

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080319\
 Data File : BF115976.D
 Acq On : 3 Aug 2019 12:50
 Operator : HP/JU
 Sample : IDOC BS-SOIL02-RC
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Manual Integrations
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 8/8/2019 4:45:22 PM

Quant Time: Aug 05 01:48:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	142549	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	584003	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	319274	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	572679	20.00	ng	0.00
76) Chrysene-d12	14.03	240	410705	20.00	ng	0.00
87) Perylene-d12	15.50	264	365595	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	988008	116.03	ng	0.02
7) Phenol-d6	6.49	99	1256782	116.98	ng	0.00
23) Nitrobenzene-d5	7.42	82	838476	82.88	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	373247	120.58	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1467361	86.09	ng	0.00
79) Terphenyl-d14	12.97	244	1654867	84.90	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.71	88	177663	41.300	ng	99
3) Pyridine	3.45	79	459567	38.244	ng	97
4) n-Nitrosodimethylamine	3.40	42	202074	42.612	ng	100
6) Aniline	6.52	93	521006	33.863	ng	96
8) 2-Chlorophenol	6.65	128	432060	45.885	ng	98
9) Benzaldehyde	6.40	77	236985	31.970	ng	98
10) Phenol	6.50	94	550903	43.545	ng	90
11) bis(2-Chloroethyl)ether	6.59	93	416250	44.751	ng	100
12) 1,3-Dichlorobenzene	6.79	146	464542	42.689	ng	96
13) 1,4-Dichlorobenzene	6.87	146	479618	44.018	ng	99
14) 1,2-Dichlorobenzene	7.02	146	437227	43.580	ng	98
15) Benzyl Alcohol	7.00	79	372306	45.664	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	554620	43.715	ng	96
17) 2-Methylphenol	7.11	107	367457	46.088	ng	99
18) Hexachloroethane	7.36	117	174042	43.385	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	299711	45.019	ng	99
20) 3+4-Methylphenols	7.26	107	434189	46.019	ng	# 88
22) Acetophenone	7.26	105	586370	45.782	ng	97
24) Nitrobenzene	7.43	77	492032	45.040	ng	99
25) Isophorone	7.67	82	887293	45.865	ng	100
26) 2-Nitrophenol	7.75	139	242071	47.008	ng	99
27) 2,4-Dimethylphenol	7.79	122	397431	51.299	ng	100
28) bis(2-Chloroethoxy)methane	7.88	93	541434	45.154	ng	99
29) 2,4-Dichlorophenol	8.00	162	382434	46.751	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	412399	44.227	ng	99
31) Naphthalene	8.16	128	1261206	45.892	ng	100
32) Benzoic acid	7.95	122	242563	44.408	ng	98
33) 4-Chloroaniline	8.20	127	340726	27.748	ng	99
34) Hexachlorobutadiene	8.27	225	230057	42.833	ng	99
35) Caprolactam	8.59	113	119455m	45.151	ng	
36) 4-Chloro-3-methylphenol	8.70	107	408973	48.058	ng	97
37) 2-Methylnaphthalene	8.85	142	850388	46.985	ng	100
38) 1-Methylnaphthalene	8.95	142	792071	46.259	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	388331	45.496	ng	99

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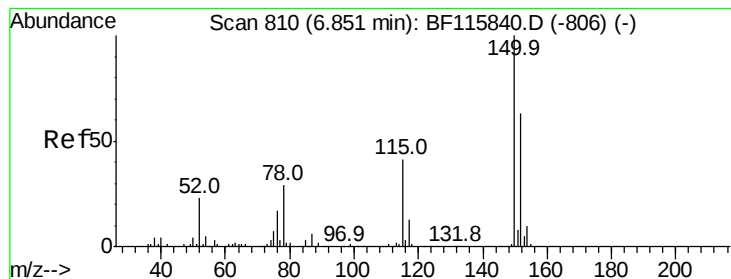
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	250818	66.533	nq	100
43) 2,4,6-Trichlorophenol	9.13	196	258660	44.027	nq	99
44) 2,4,5-Trichlorophenol	9.18	196	273406	45.019	nq	97
46) 1,1'-Biphenyl	9.32	154	1017212	45.128	nq	99
47) 2-Chloronaphthalene	9.35	162	814652	43.424	nq	99
48) 2-Nitroaniline	9.44	65	264066	42.584	nq	93
49) Acenaphthylene	9.76	152	1245572	45.509	nq	100
50) Dimethylphthalate	9.62	163	985423	45.330	nq	99
51) 2,6-Dinitrotoluene	9.68	165	218244	46.196	nq #	85
52) Acenaphthene	9.93	154	739756	44.057	nq	100
53) 3-Nitroaniline	9.85	138	176611	30.255	nq	90
54) 2,4-Dinitrophenol	9.97	184	188885	78.745	nq	97
55) Dibenzofuran	10.10	168	1100442	45.066	nq	97
56) 4-Nitrophenol	10.03	139	329012	87.984	nq	97
57) 2,4-Dinitrotoluene	10.09	165	287054	45.637	nq	94
58) Fluorene	10.45	166	856236	45.576	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	229961	45.008	nq	99
60) Diethylphthalate	10.32	149	929918	45.818	nq	99
61) 4-Chlorophenyl-phenylether	10.43	204	432657	45.473	nq	99
62) 4-Nitroaniline	10.47	138	247343	41.001	nq	98
63) Azobenzene	10.60	77	958776	45.928	nq	97
65) 4,6-Dinitro-2-methylphenol	10.51	198	140778	46.388	nq	94
66) n-Nitrosodiphenylamine	10.56	169	781559	45.342	nq	99
67) 4-Bromophenyl-phenylether	10.93	248	270444	44.114	nq	93
68) Hexachlorobenzene	11.00	284	301795	42.572	nq	95
69) Atrazine	11.09	200	252806	44.581	nq	99
70) Pentachlorophenol	11.20	266	302386	87.860	nq	98
71) Phenanthrene	11.41	178	1271400	43.427	nq	99
72) Anthracene	11.46	178	1334901	45.054	nq	99
73) Carbazole	11.62	167	1209141	44.981	nq	99
74) Di-n-butylphthalate	11.94	149	1447148	46.149	nq	100
75) Fluoranthene	12.60	202	1354686	44.199	nq	98
77) Benzidine	12.72	184	638703	46.032	nq	98
78) Pyrene	12.83	202	1383452	44.686	nq	100
80) Butylbenzylphthalate	13.44	149	628458	47.988	nq	99
81) Benzo(a)anthracene	14.02	228	1168919	44.529	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	340855	37.374	nq	99
83) Chrysene	14.06	228	1130543	44.360	nq	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	868878	51.056	nq	100
85) Di-n-octyl phthalate	14.61	149	1405528	51.997	nq	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	967246	45.188	nq	99
88) Benzo(b)fluoranthene	15.07	252	1109904	52.505	nq	98
89) Benzo(k)fluoranthene	15.10	252	957061	46.482	nq	99
90) Benzo(a)pyrene	15.44	252	956238	50.603	nq	99
91) Dibenzo(a,h)anthracene	17.00	278	811702	49.624	nq	100
92) Benzo(g,h,i)perylene	17.43	276	791405	49.265	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

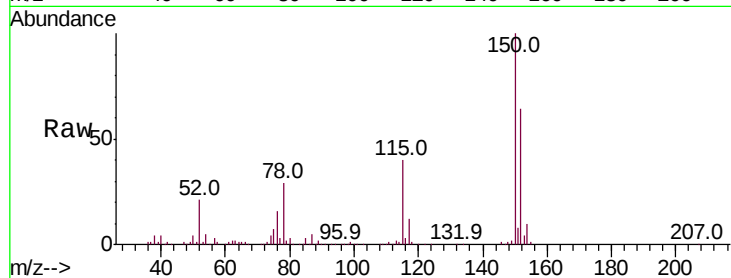
ClientSampleId :

IDOC BS-SOIL02-RC

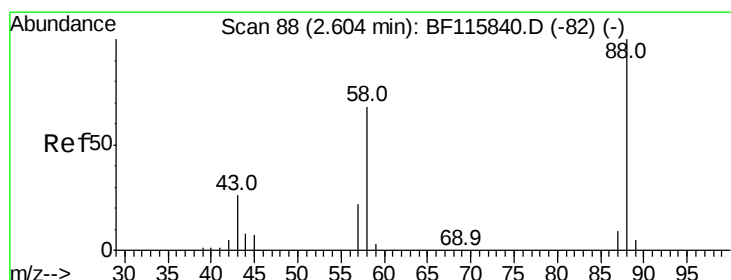
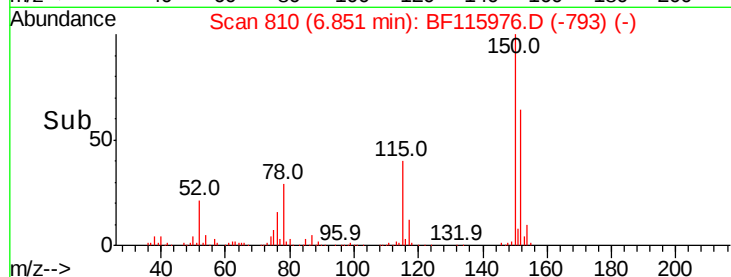
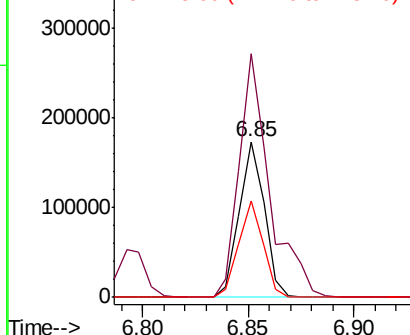
Tot Ion:	152	Resp:	142549
Ion Ratio	Lower	Upper	
152	100		
150	156.3	127.4	191.0
115	61.8	51.8	77.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 41.300 ng

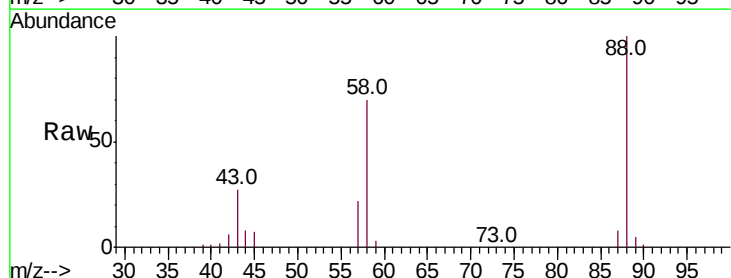
RT: 2.71 min Scan# 106

Delta R.T. 0.11 min

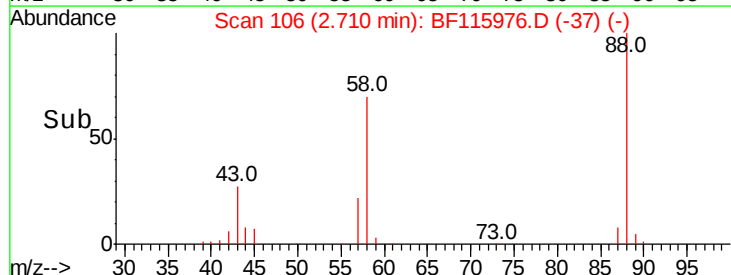
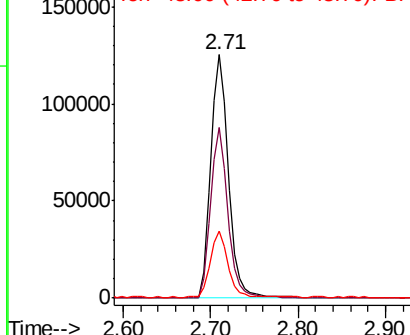
Lab File: BF115976.D

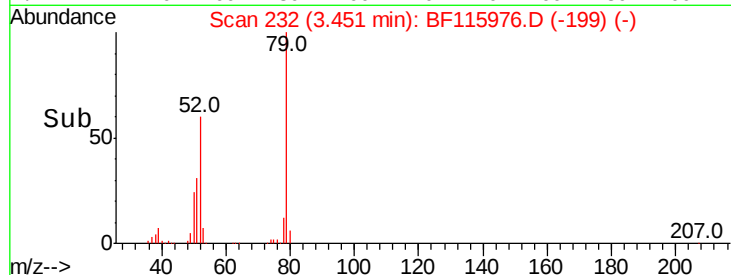
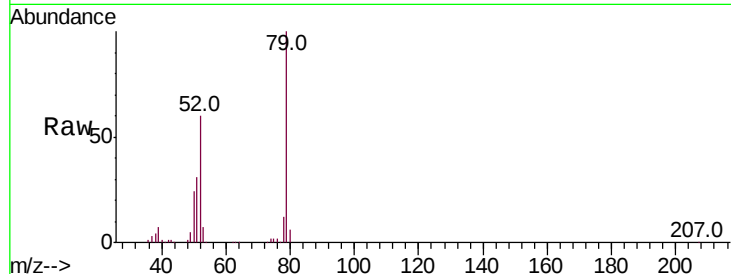
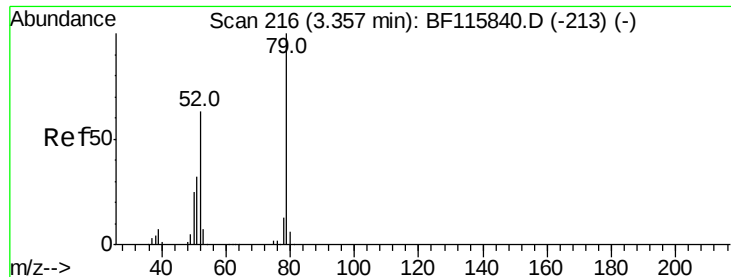
Acq: 3 Aug 2019 12:50

Tgt Ion:	88	Resp:	177663
Ion Ratio	Lower	Upper	
88	100		
58	68.5	54.1	81.1
43	26.6	20.7	31.1



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 38.244 ng

RT: 3.45 min Scan# 232

Delta R.T. 0.09 min

Lab File: BF115976.D

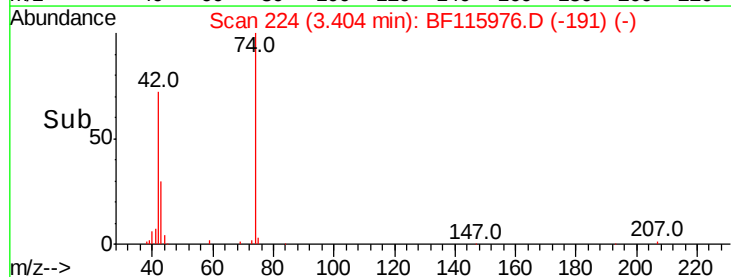
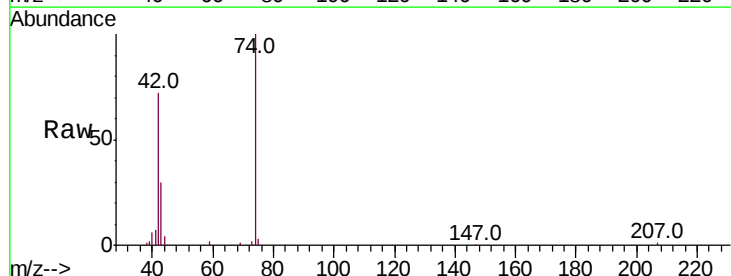
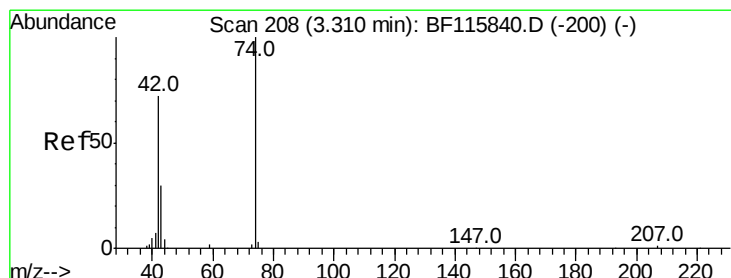
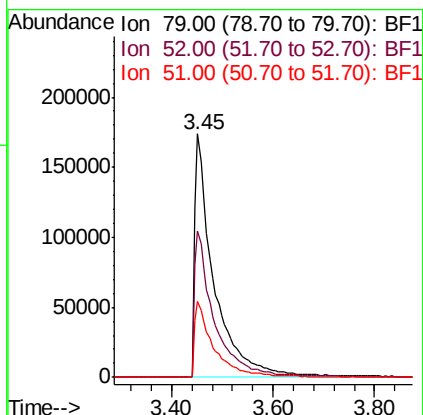
Acq: 3 Aug 2019 12:50

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
52	60.1		50.2	75.4
51	30.9		25.8	38.6

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

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#4

n-Nitrosodimethylamine

Concen: 42.612 ng

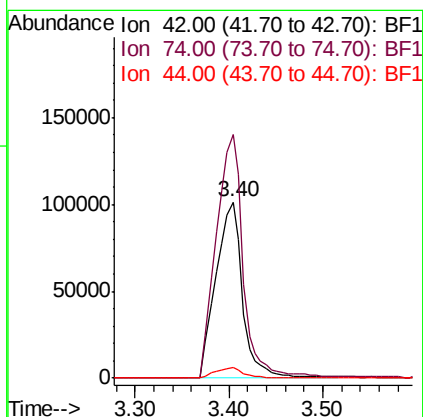
RT: 3.40 min Scan# 224

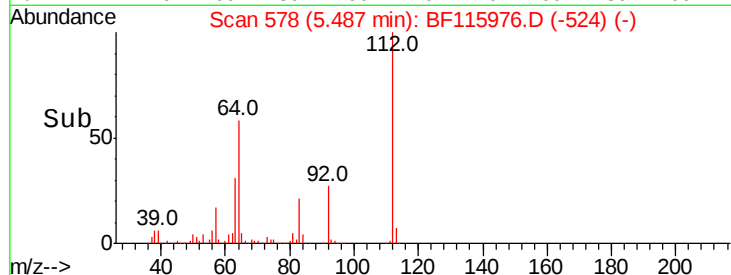
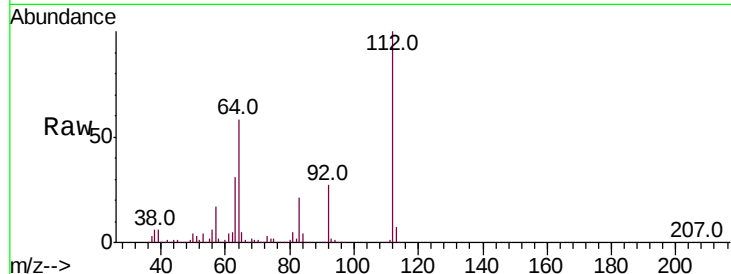
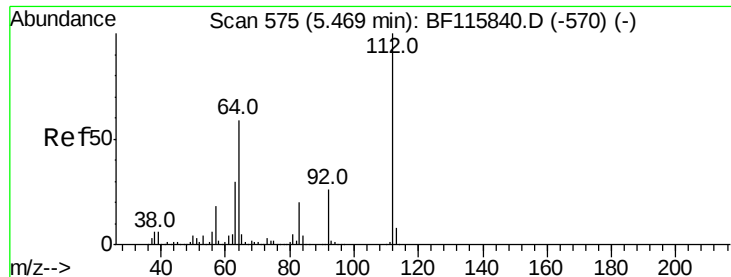
Delta R.T. 0.09 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
74	138.5		111.0	166.4
44	6.1		4.7	7.1





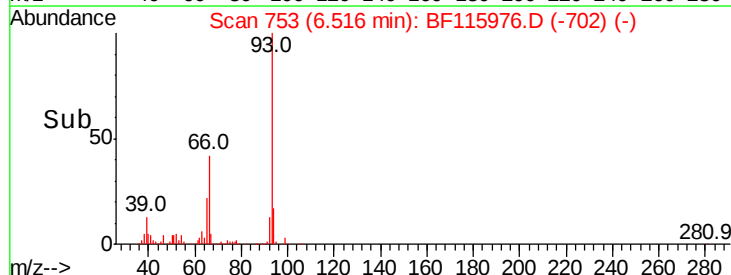
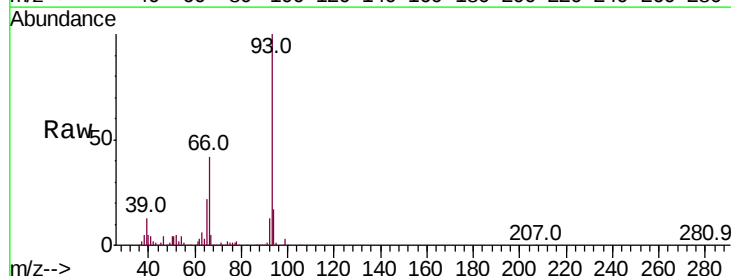
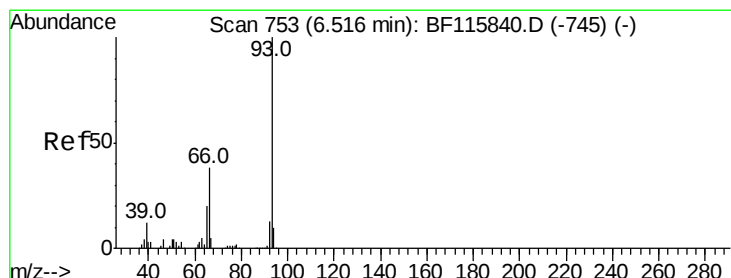
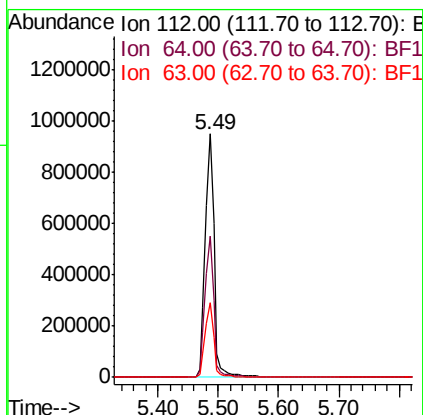
#5
2-Fluorophenol
Concen: 116.029 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.02 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	57.8	46.8	70.2
63	30.6	24.2	36.2

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

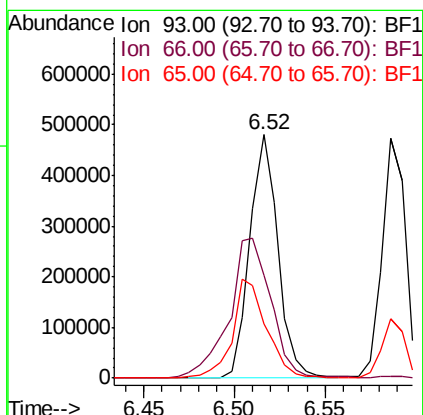
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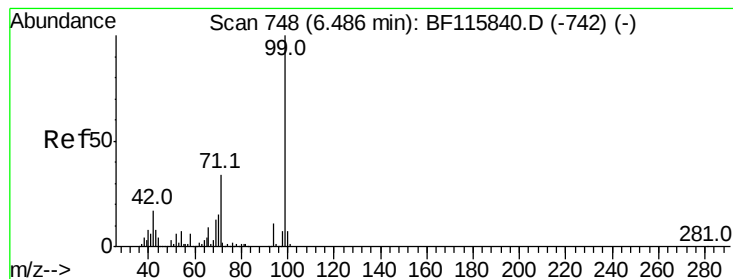
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#6
Aniline
Concen: 33.863 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	42.1	31.4	47.0
65	22.2	16.5	24.7





#7

Phenol-d6

Concen: 116.982 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion: 99 Resp: 1256782

Ion Ratio Lower Upper

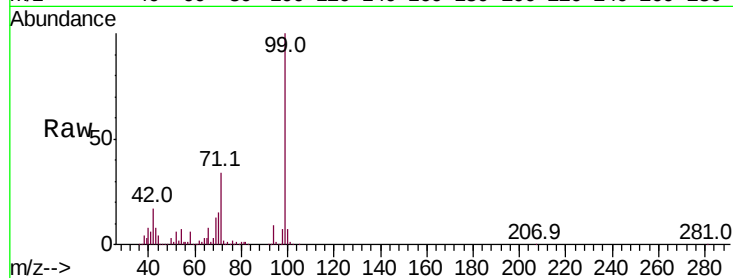
99 100

42 17.5 13.8 20.6

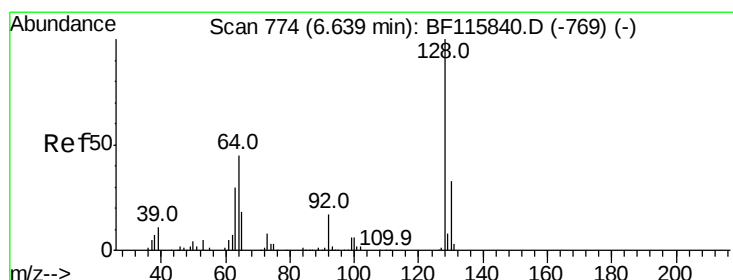
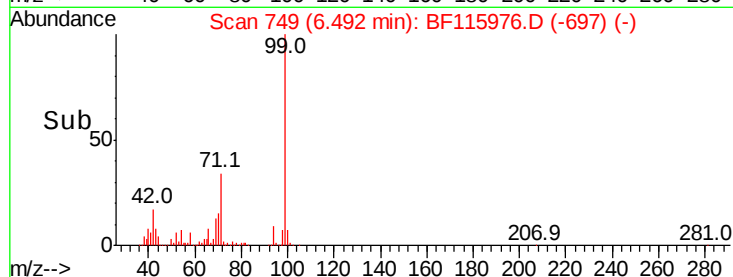
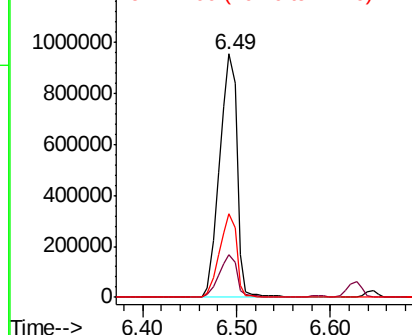
71 34.1 27.1 40.7

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.885 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

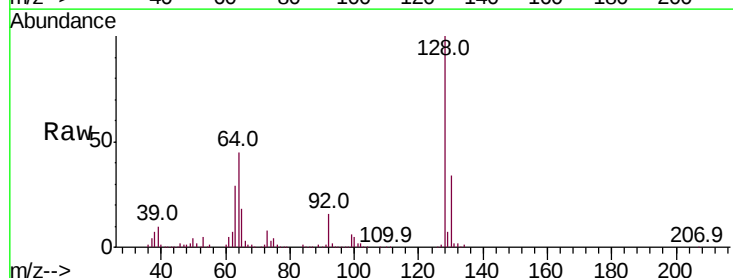
Tgt Ion: 128 Resp: 432060

Ion Ratio Lower Upper

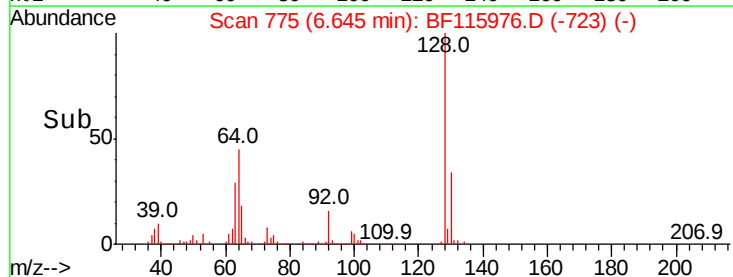
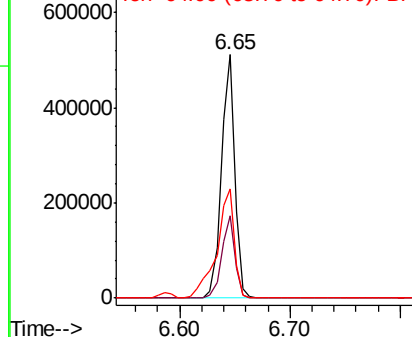
128 100

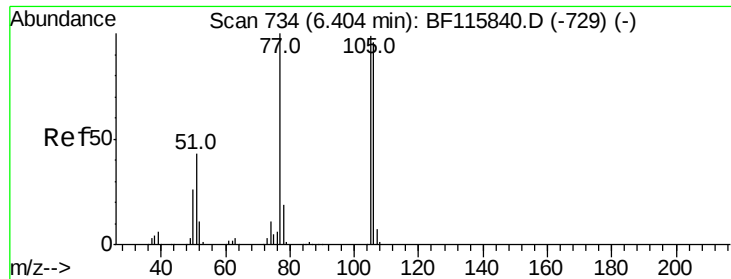
130 33.6 12.9 52.9

64 44.9 26.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 31.970 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

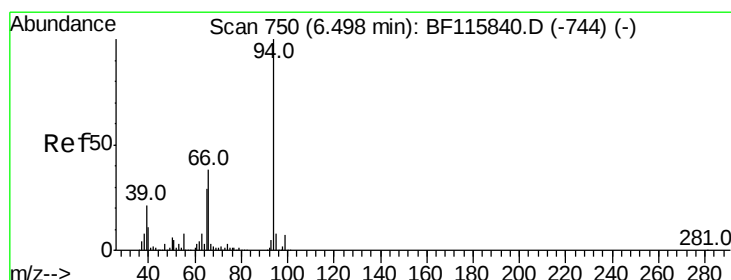
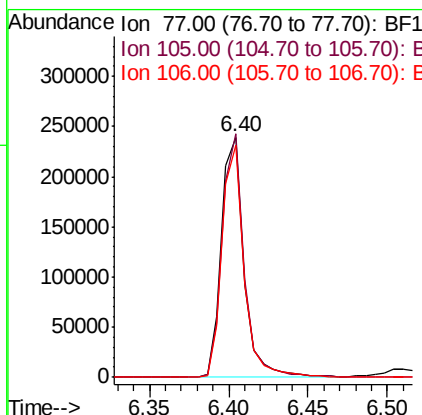
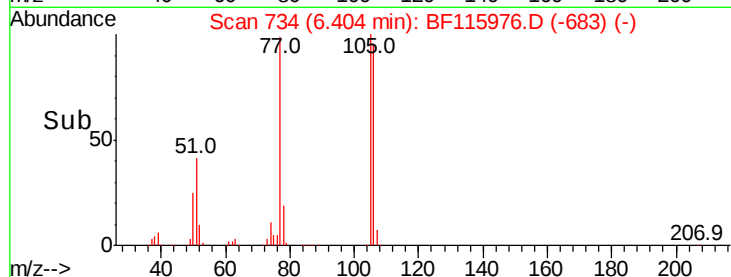
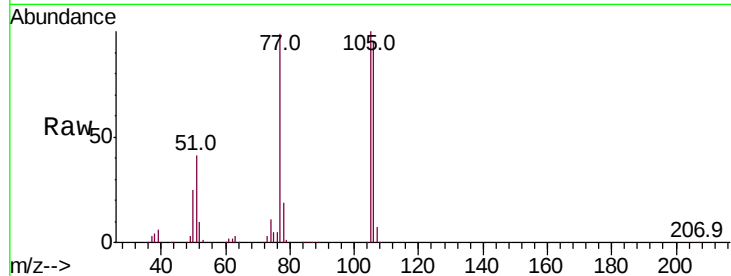
ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
77	100		
105	101.5	79.0	119.0
106	96.9	76.2	116.2

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#10

Phenol

Concen: 43.545 ng

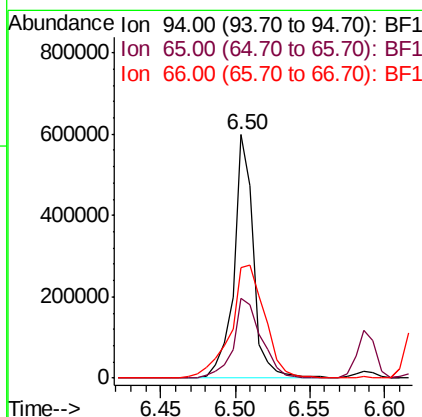
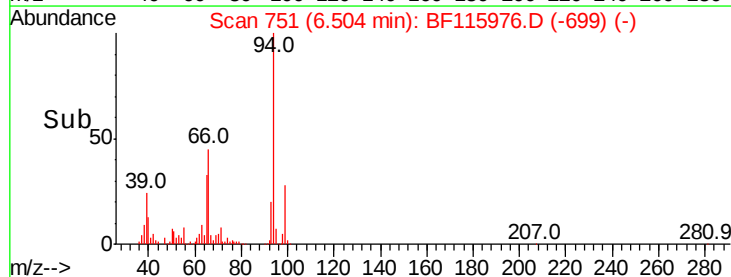
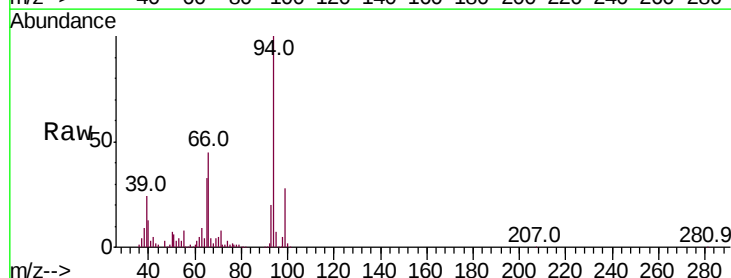
RT: 6.50 min Scan# 751

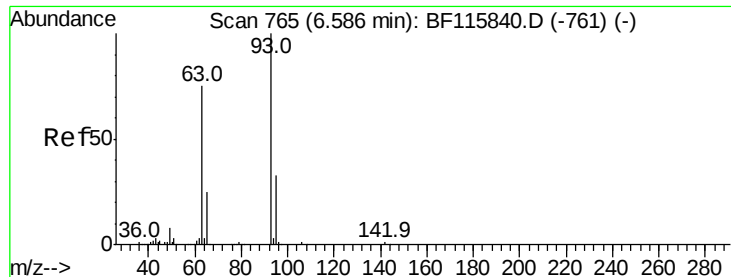
Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.5	8.9	48.9
66	45.2	18.0	58.0





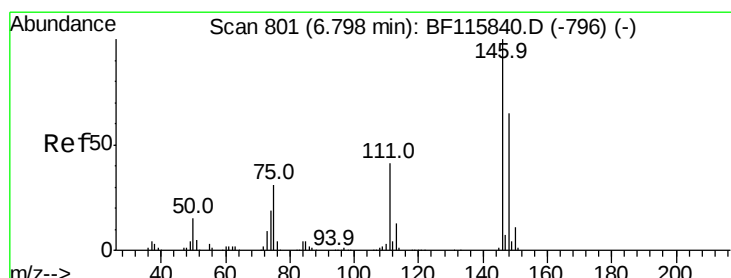
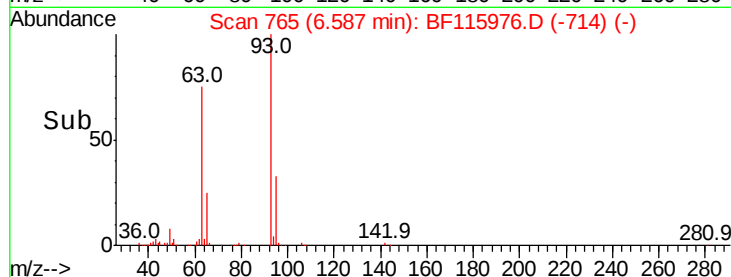
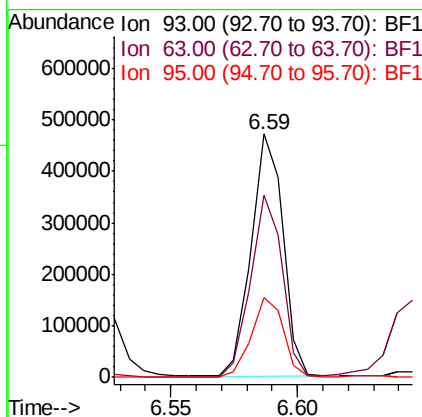
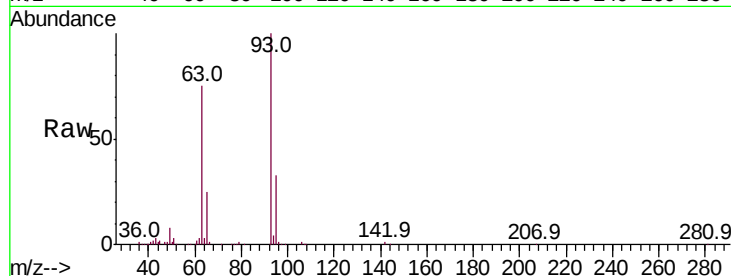
#11
bis(2-Chloroethyl)ether
Concen: 44.751 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.8	54.9	94.9
95	32.9	13.3	53.3

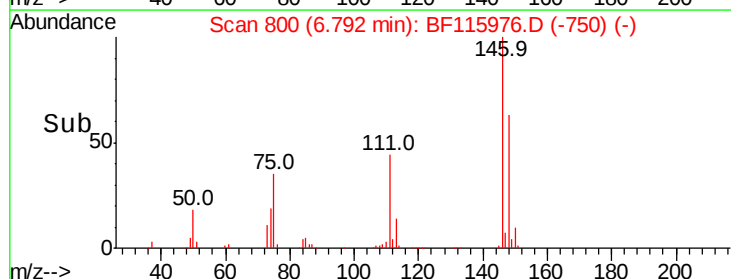
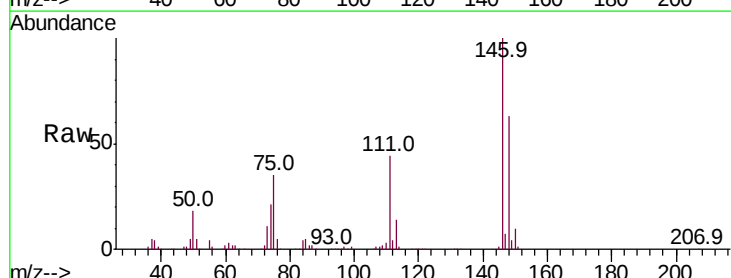
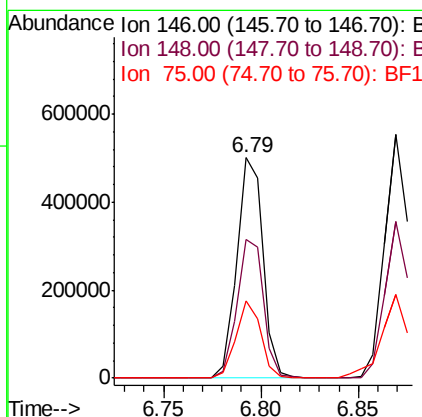
Manual Integrations
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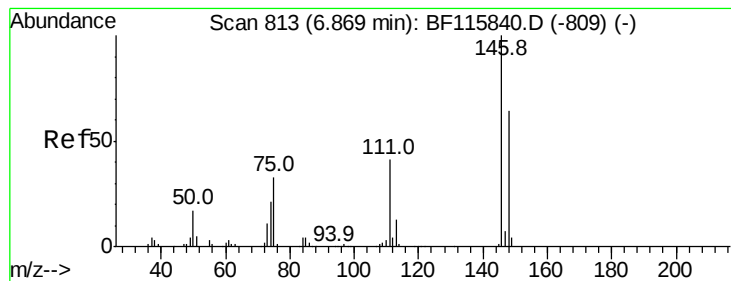
mohammad
8/8/2019 4:45:22 PM



#12
1,3-Dichlorobenzene
Concen: 42.689 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	52.1	78.1
75	35.1	25.0	37.6





#13

1,4-Dichlorobenzene

Concen: 44.018 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

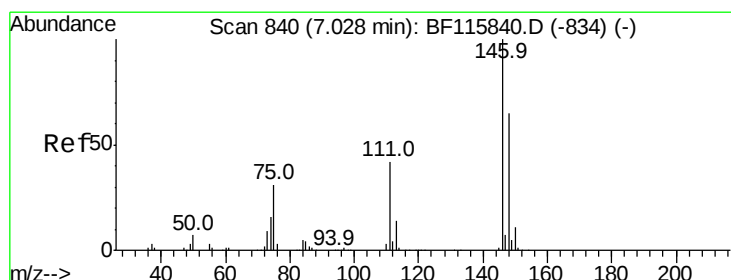
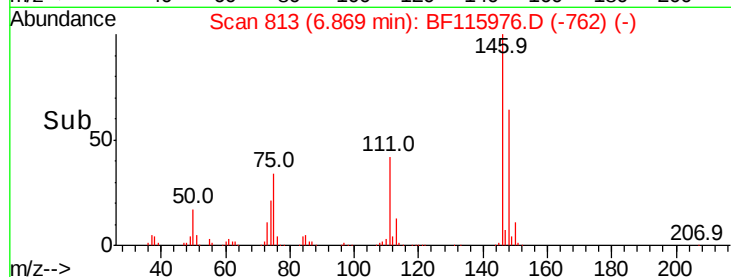
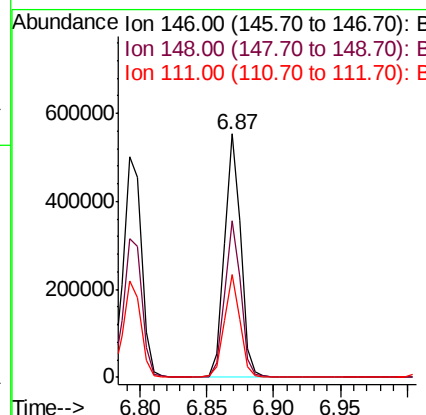
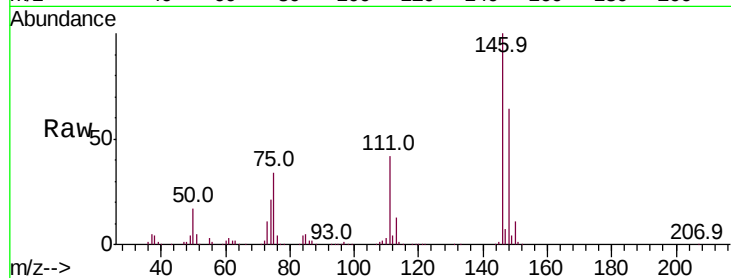
ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion:	146	Resp:	479618
Ion Ratio	Lower	Upper	
146	100		
148	64.2	51.2	76.8
111	42.1	33.2	49.8

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 43.580 ng

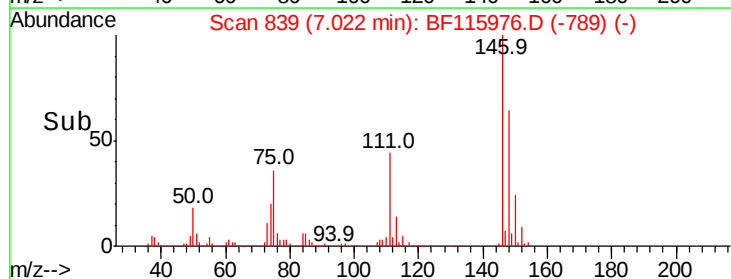
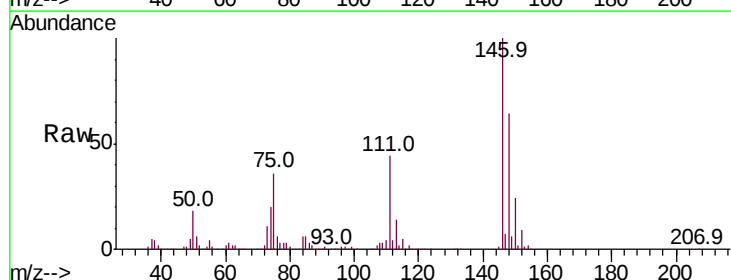
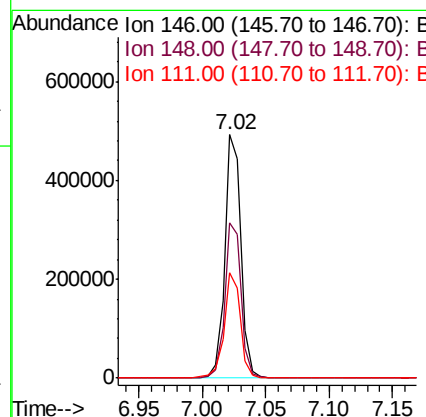
RT: 7.02 min Scan# 839

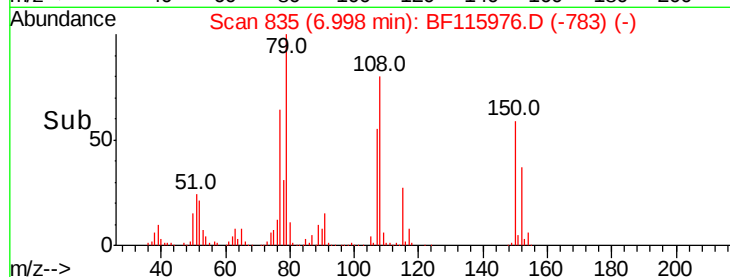
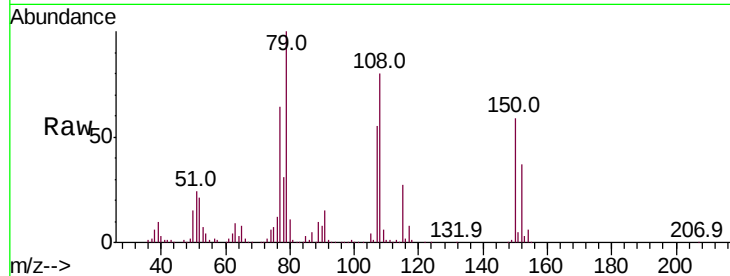
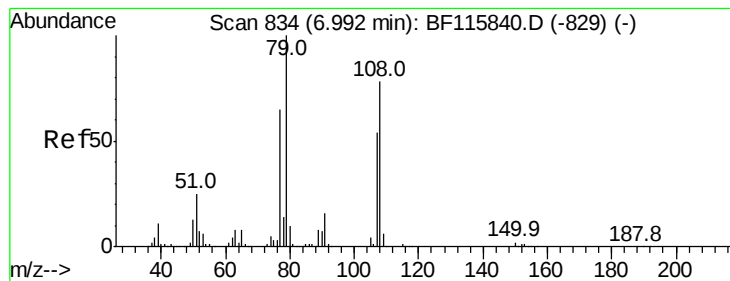
Delta R.T. -0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Tgt Ion:	146	Resp:	437227
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.6	77.4
111	43.5	33.6	50.4





#15

Benzyl Alcohol

Concen: 45.664 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Tot Ion:	79	Resp:	372306
Ion Ratio	Lower	Upper	
79	100		
108	80.3	62.8	94.2
77	64.4	52.0	78.0

Instrument :

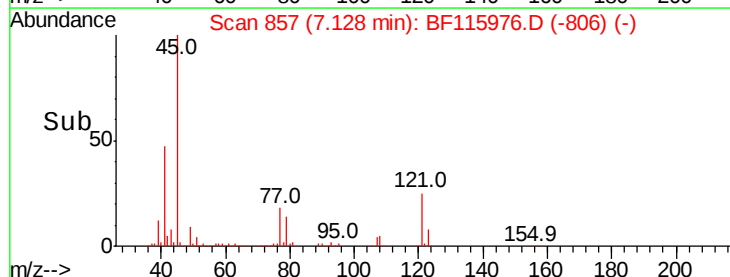
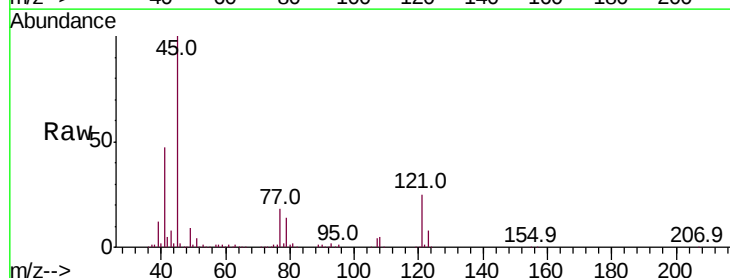
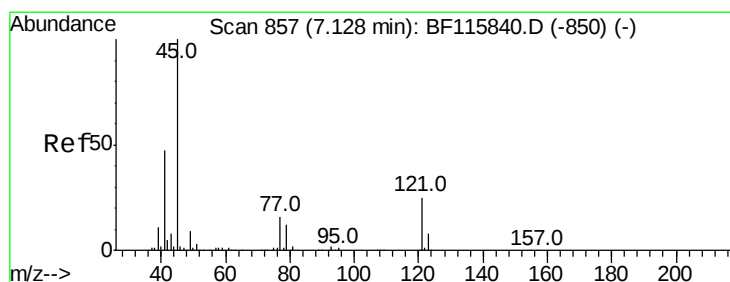
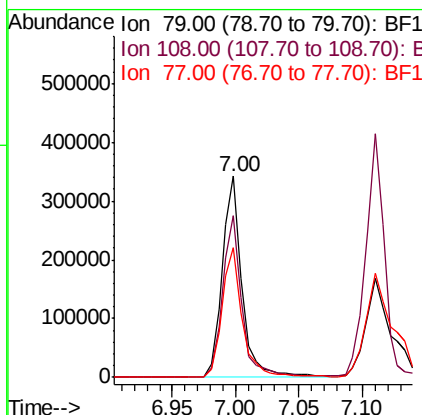
BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.715 ng

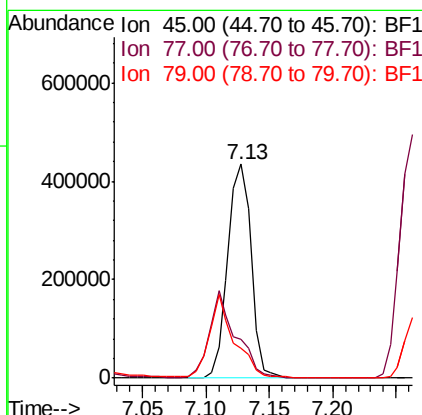
RT: 7.13 min Scan# 857

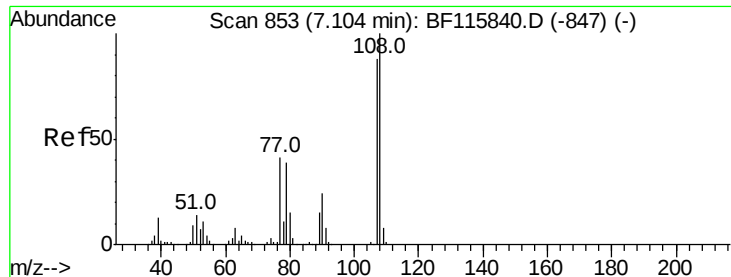
Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Tgt Ion:	45	Resp:	554620
Ion Ratio	Lower	Upper	
45	100		
77	17.9	0.0	36.3
79	14.1	0.0	32.5





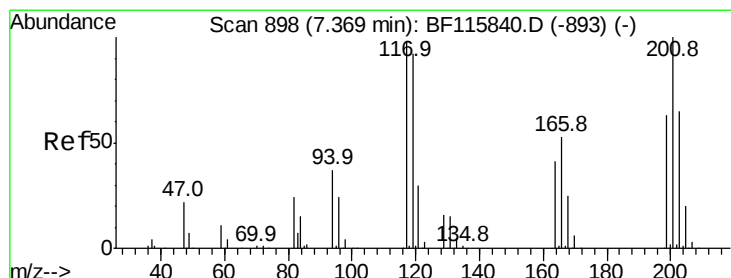
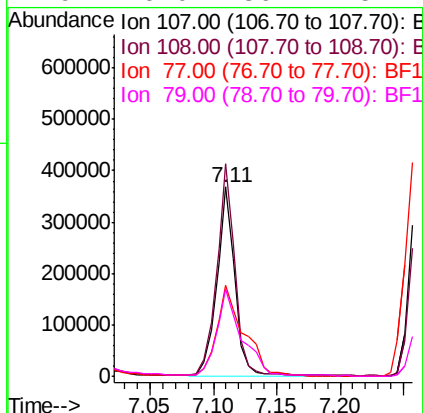
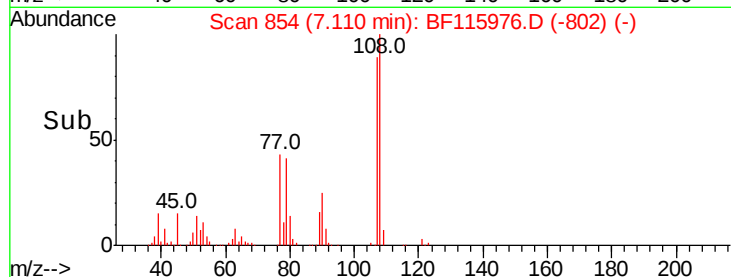
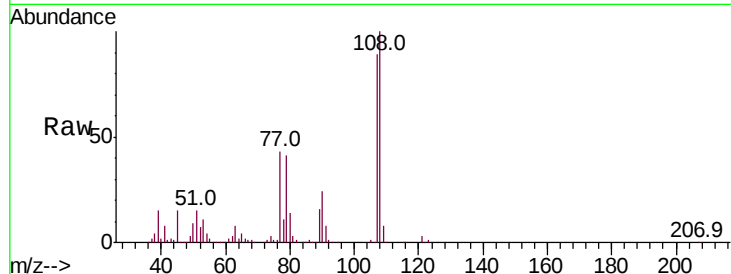
#17
2-Methylphenol
Concen: 46.088 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.7	91.4	137.0	
77	48.2	37.6	56.4	
79	46.0	36.2	54.4	

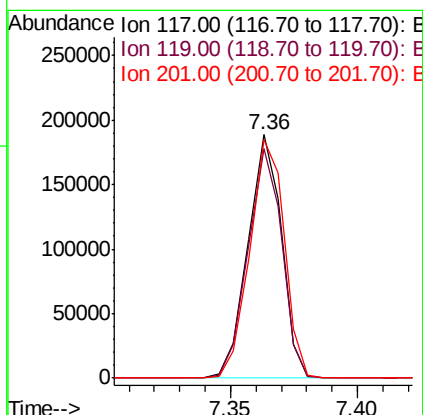
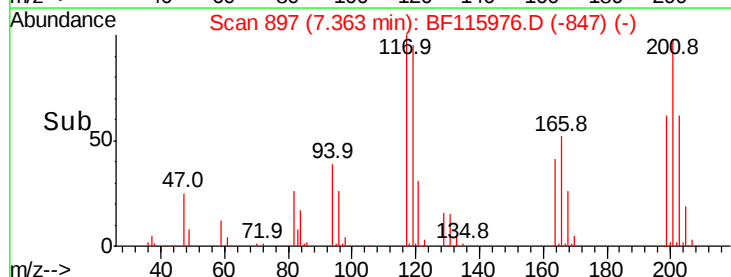
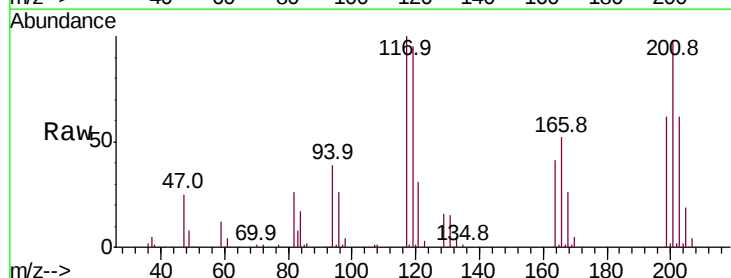
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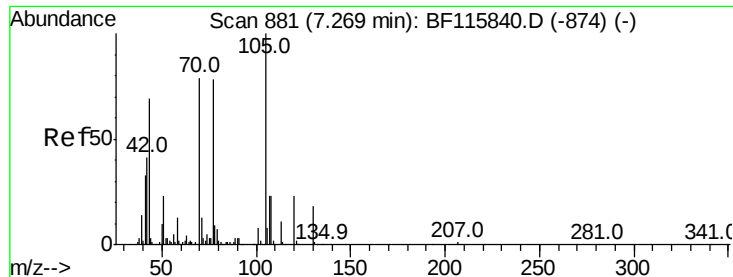
mohammad
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#18
Hexachloroethane
Concen: 43.385 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.5	75.8	113.6	
201	98.0	82.0	123.0	





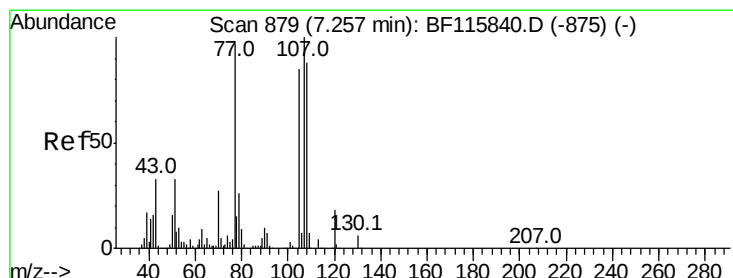
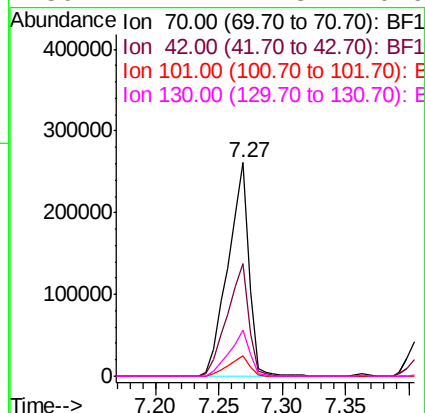
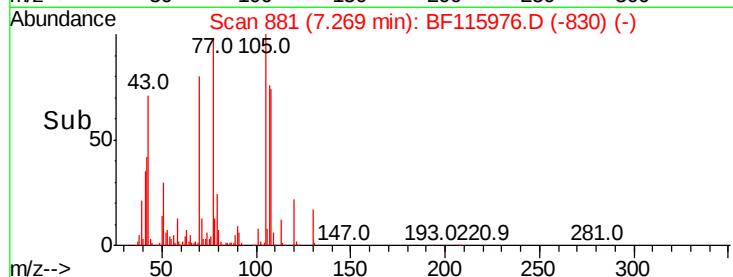
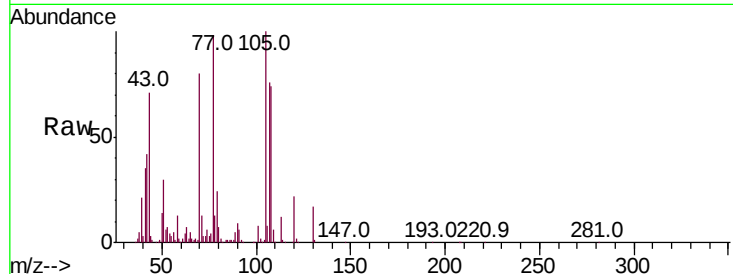
#19
n-Nitroso-di-n-propylamine
Concen: 45.019 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		299711		
42	53.0	41.8	62.8		
101	9.8	7.7	11.5		
130	21.7	17.8	26.6		

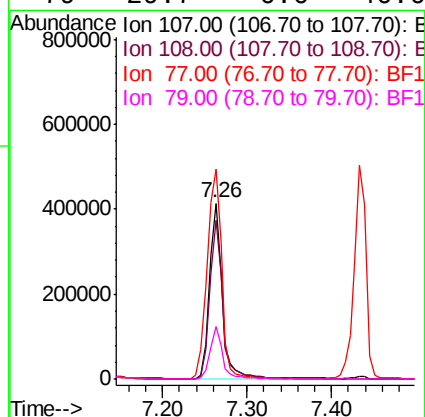
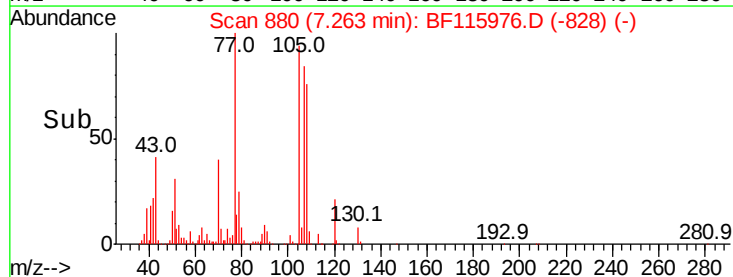
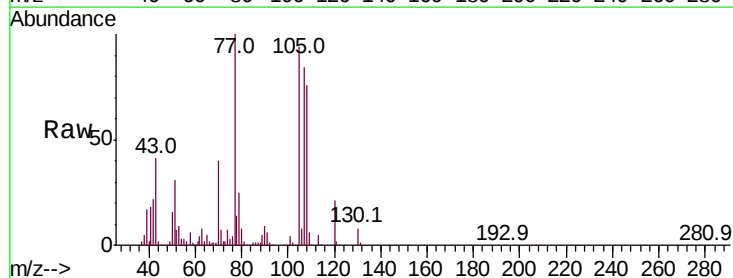
Manual Integrations
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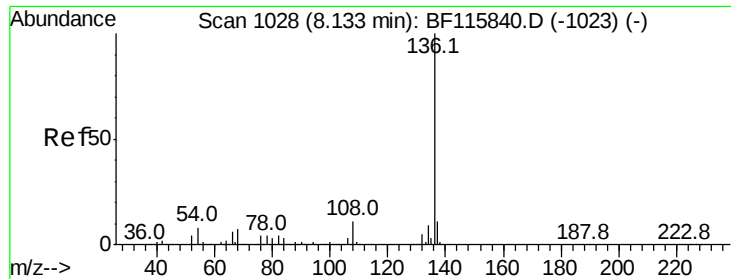
mohammad
8/8/2019 4:45:22 PM



#20
3+4-Methylphenols
Concen: 46.019 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		434189		
108	90.4	67.9	107.9		
77	119.4	77.3	117.3#		
79	29.7	6.6	46.6		





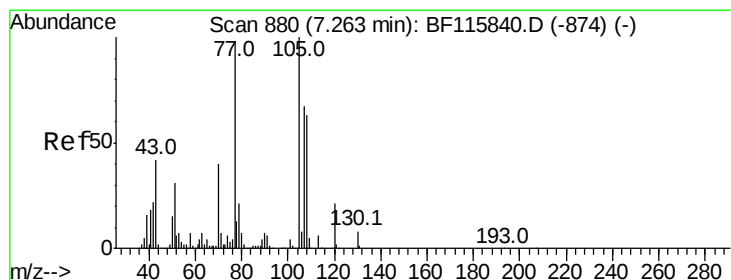
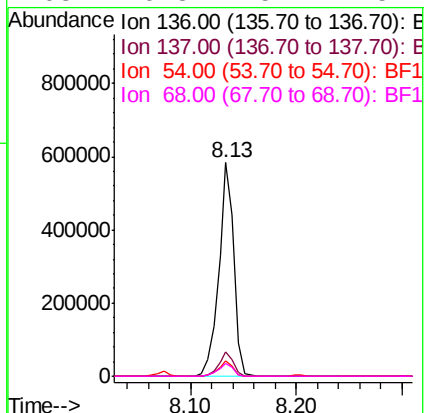
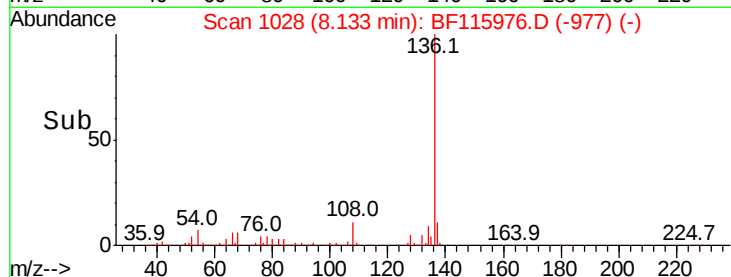
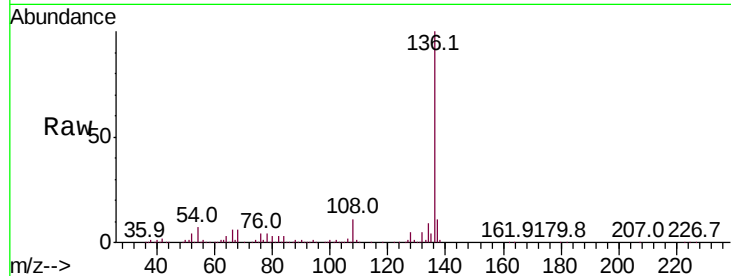
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Resp	Lower	Upper
136	100	584003		
137	11.1		9.1	13.7
54	7.2		6.1	9.1
68	6.3		5.4	8.2

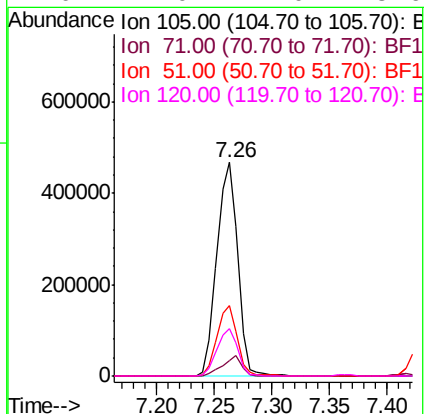
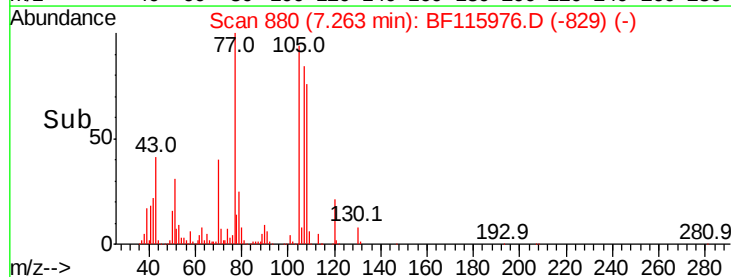
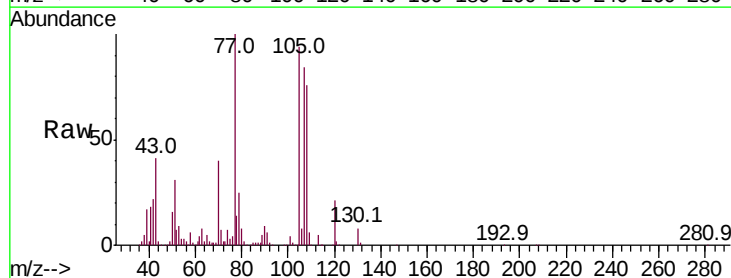
Manual Integrations
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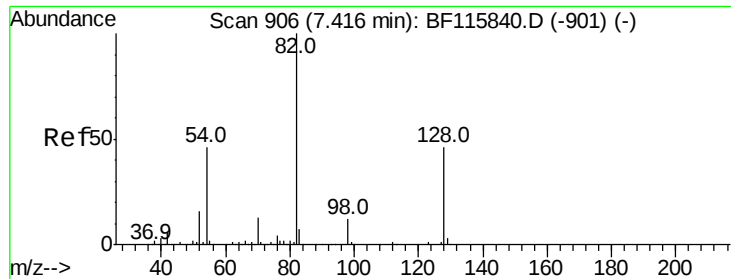
mohammad
8/8/2019 4:45:22 PM



#22
Acetophenone
Concen: 45.782 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	586370		
71	7.2		5.4	8.0
51	33.2		24.6	36.8
120	22.0		17.0	25.6





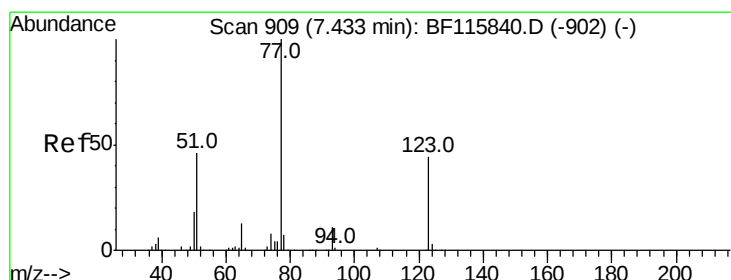
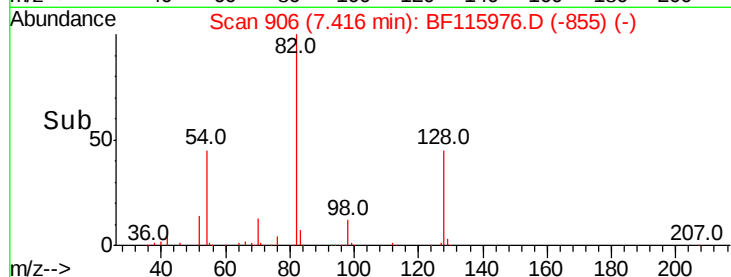
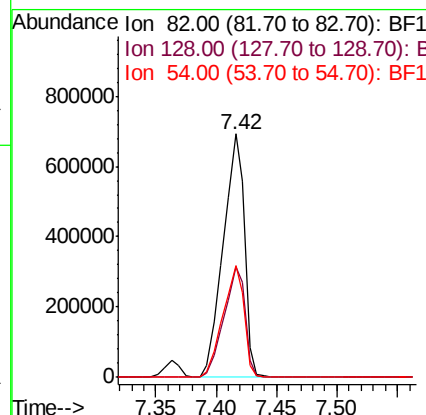
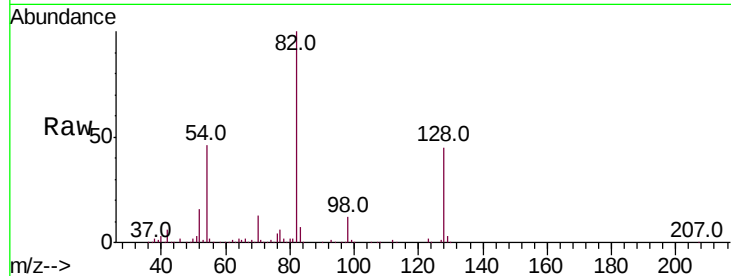
#23
Nitrobenzene-d5
Concen: 82.875 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.6	55.0
54	45.7	36.6	55.0

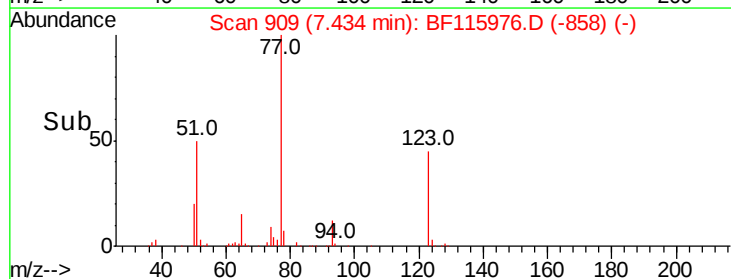
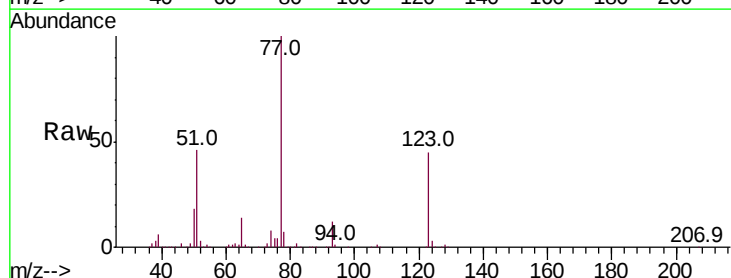
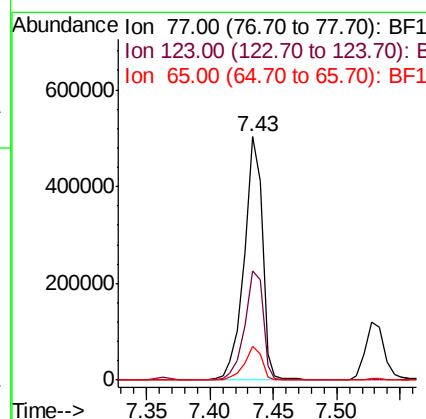
Manual Integrations
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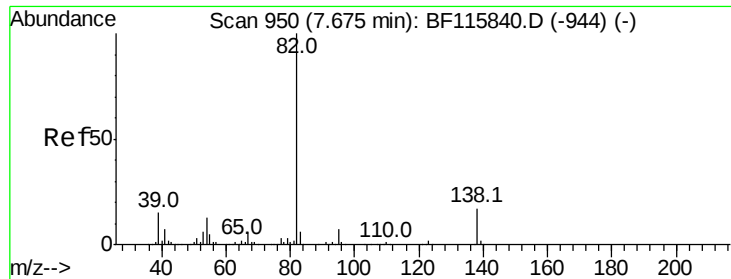
mohammad
8/8/2019 4:45:22 PM



#24
Nitrobenzene
Concen: 45.040 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.5	53.3
65	13.7	10.6	15.8





#25

Isophorone

Concen: 45.865 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

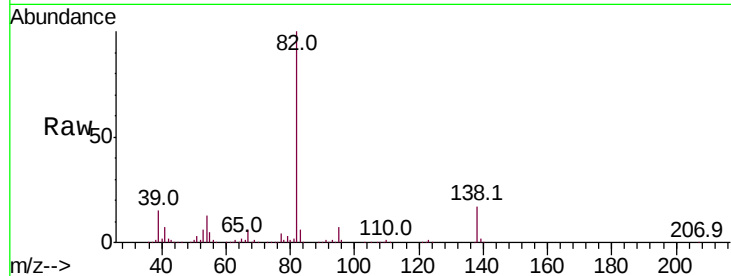
ClientSampleId :

IDOC BS-SOIL02-RC

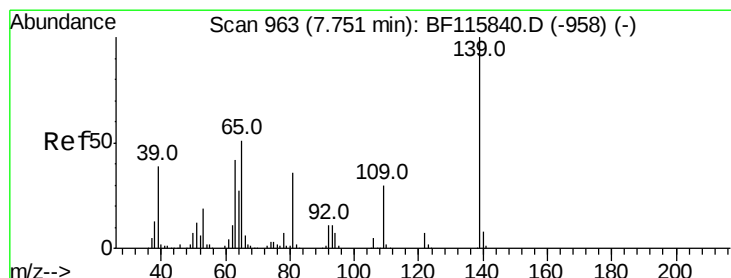
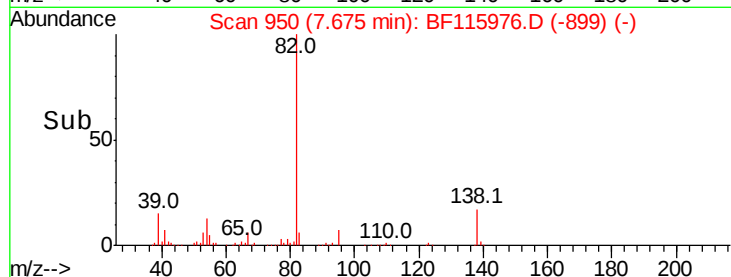
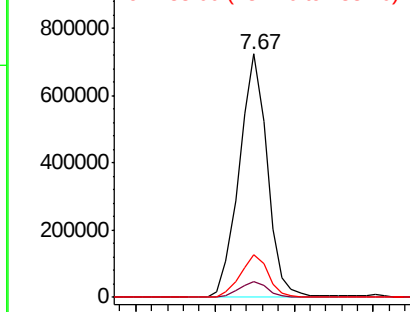
Tot Ion:	82	Resp:	887293
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.5	8.3
138	17.3	13.9	20.9

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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 47.008 ng

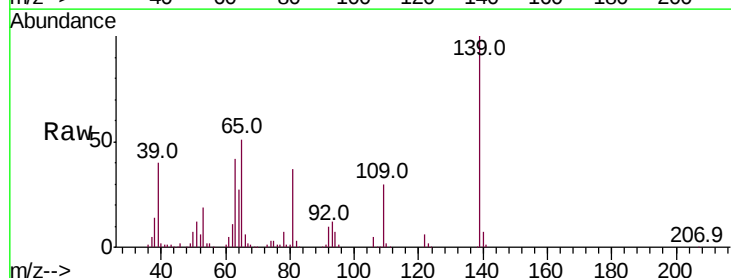
RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

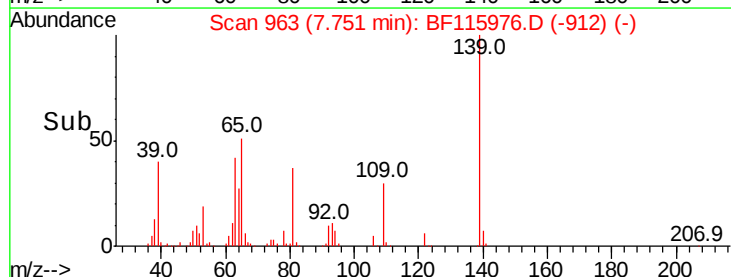
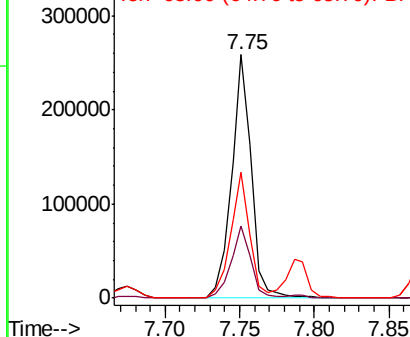
Lab File: BF115976.D

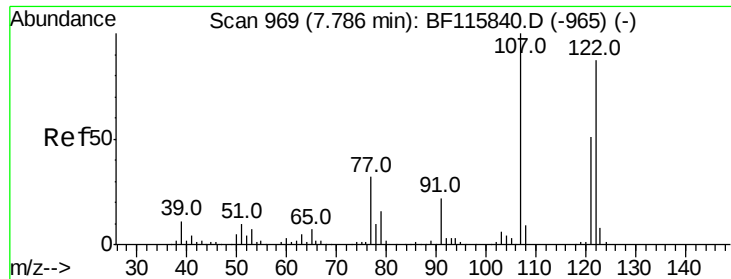
Acq: 3 Aug 2019 12:50

Tgt Ion:	139	Resp:	242071
Ion Ratio	Lower	Upper	
139	100		
109	29.5	23.6	35.4
65	51.5	40.6	60.8



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





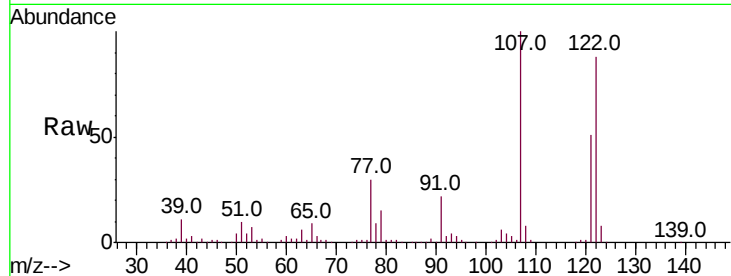
#27
2,4-Dimethylphenol
Concen: 51.299 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.9	91.7	137.5
121	58.3	46.6	70.0

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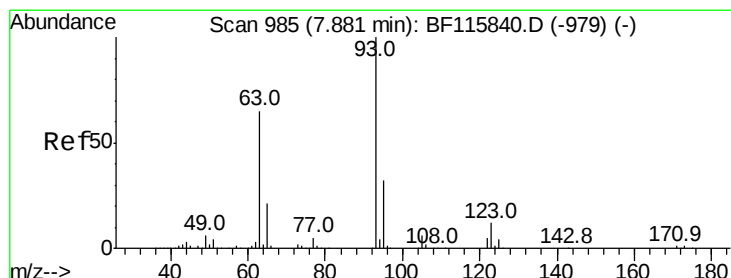
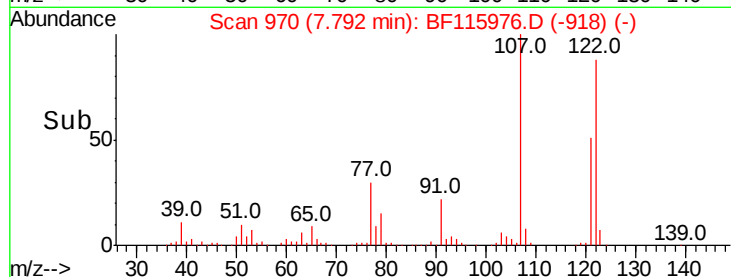
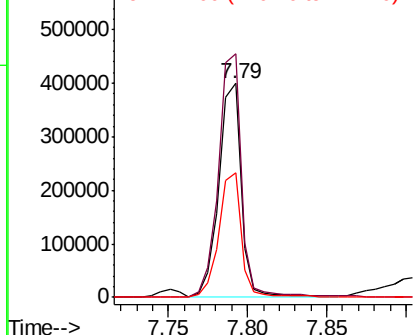


Abundance

Ion 122.00 (121.70 to 122.70): E

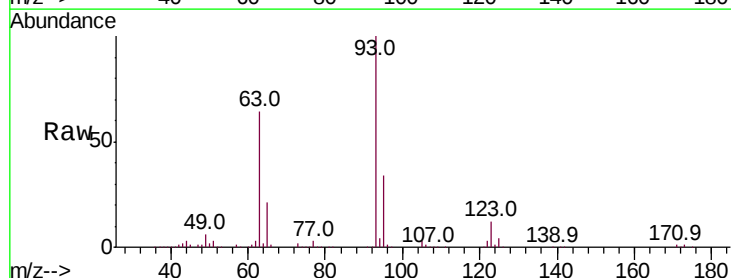
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 45.154 ng
RT: 7.88 min Scan# 985
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.0	39.0
123	11.7	9.5	14.3

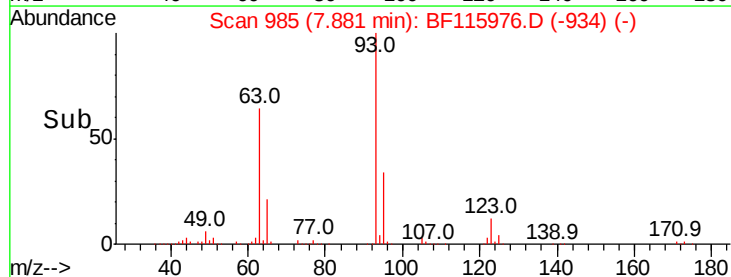
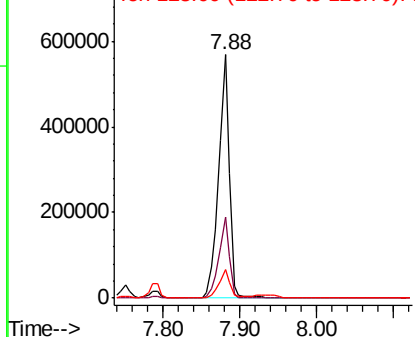


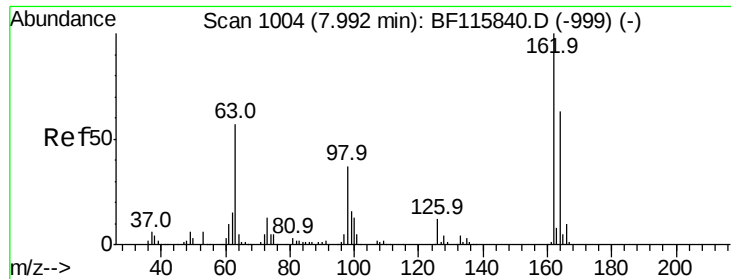
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 46.751 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

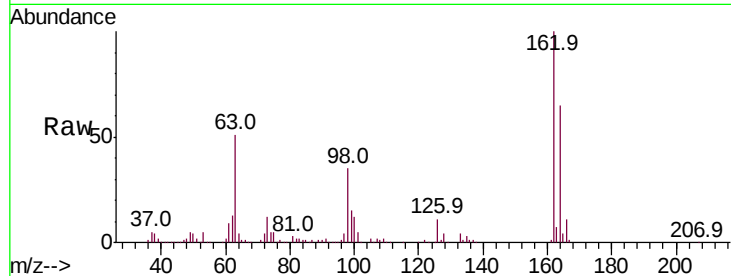
ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion:	162	Resp:	382434
Ion Ratio	Lower	Upper	
162	100		
164	65.3	43.2	83.2
98	35.3	17.3	57.3

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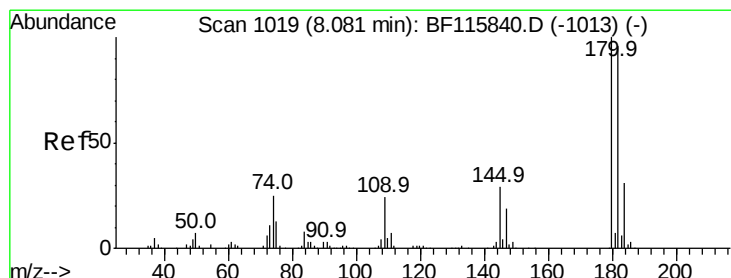
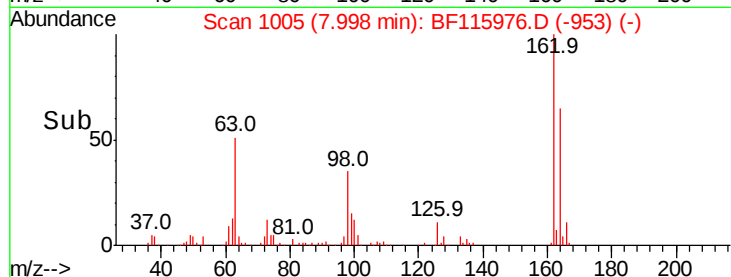
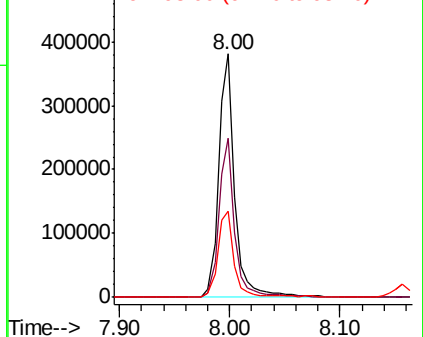


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 44.227 ng

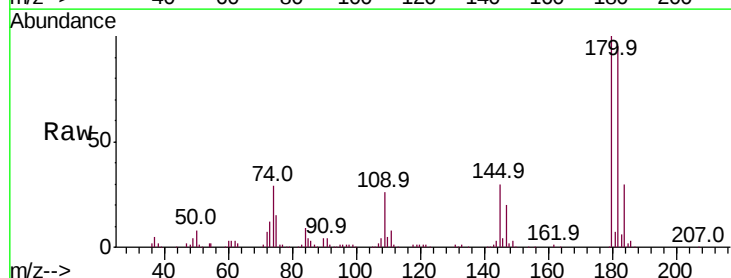
RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Tgt Ion:	180	Resp:	412399
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.6	114.8
145	30.1	23.2	34.8

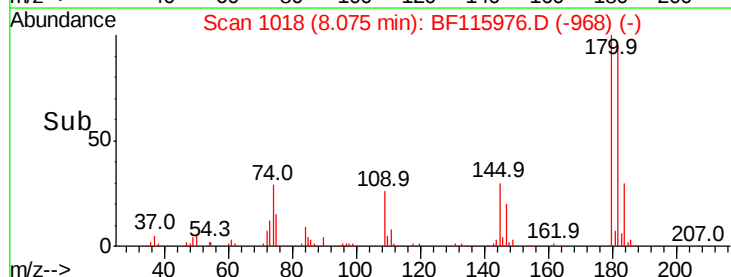
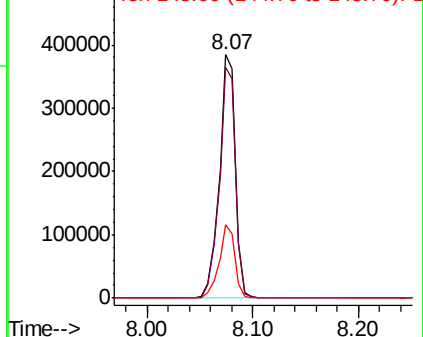


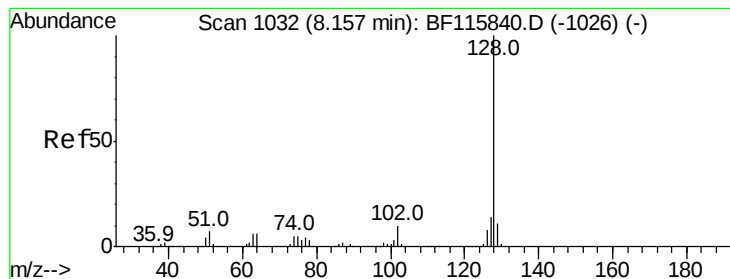
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.892 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion:128 Resp: 1261206

Ion Ratio Lower Upper

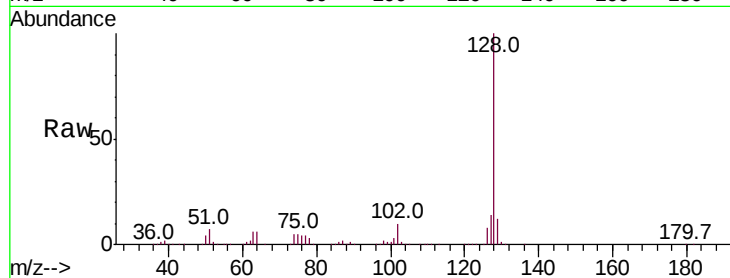
128 100

129 11.5 9.2 13.8

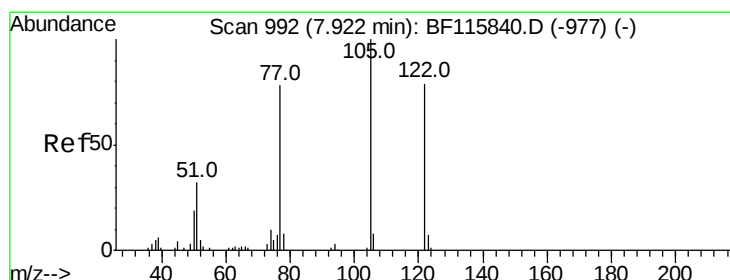
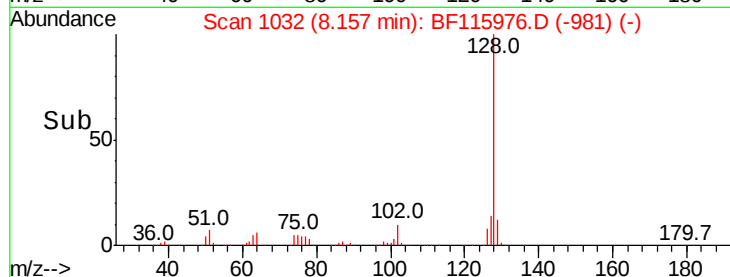
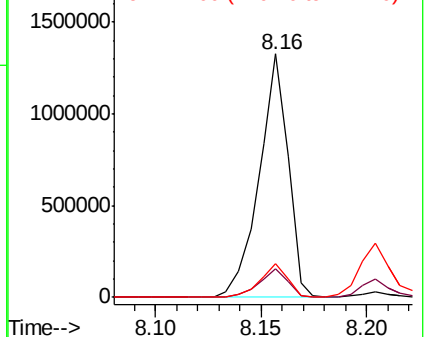
127 13.7 11.0 16.4

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 44.408 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.02 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

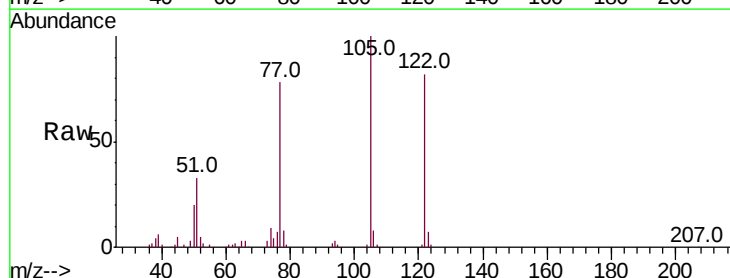
Tgt Ion:122 Resp: 242563

Ion Ratio Lower Upper

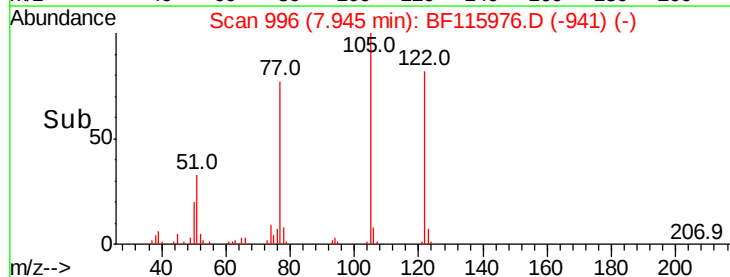
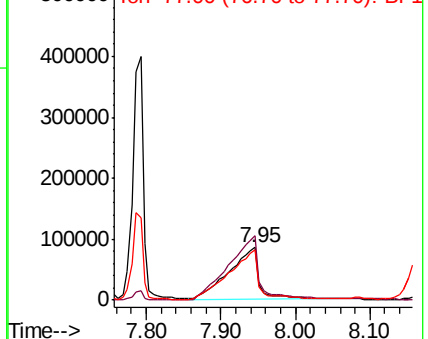
122 100

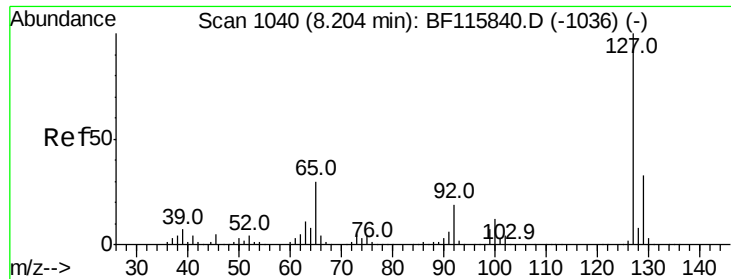
105 121.3 103.1 143.1

77 94.4 76.8 116.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





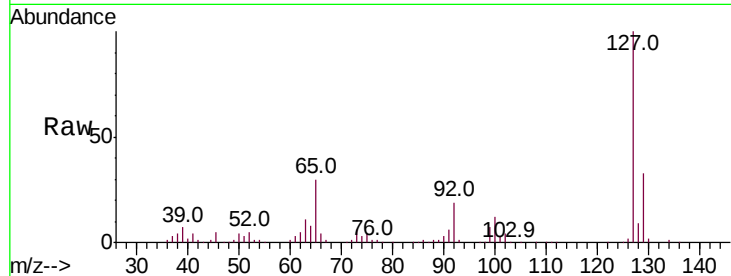
#33
4-Chloroaniline
Concen: 27.748 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	30.4	23.9	35.9
92	18.5	14.9	22.3

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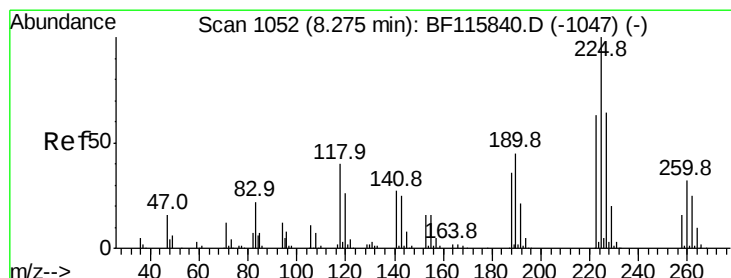
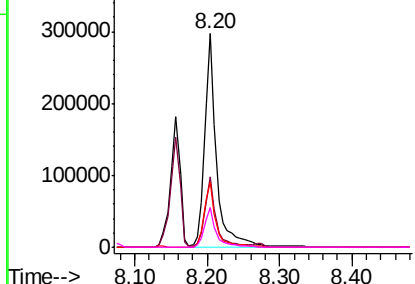
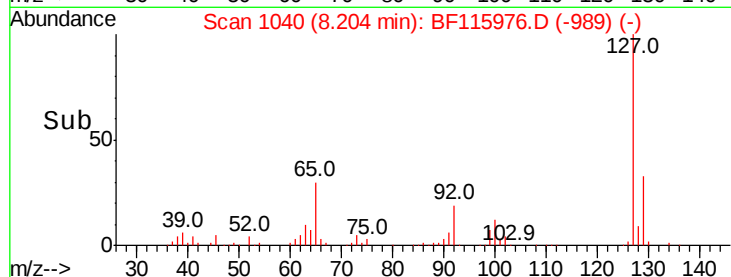
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

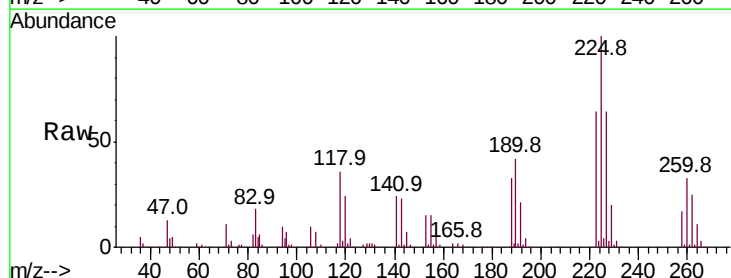
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 42.833 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.4	75.6
227	63.7	51.6	77.4

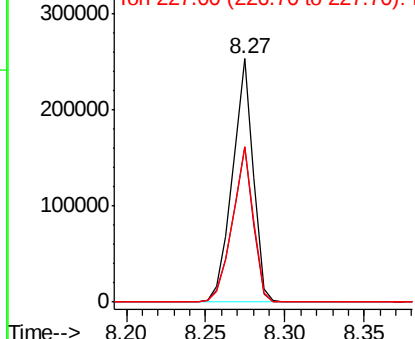
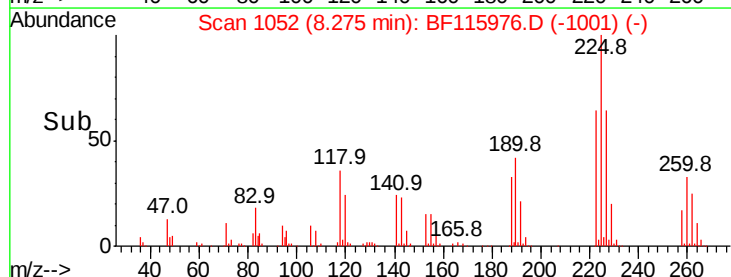


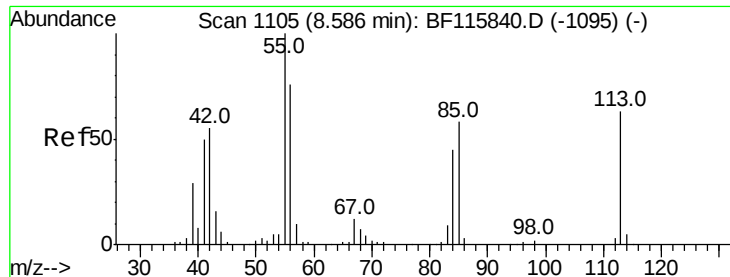
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





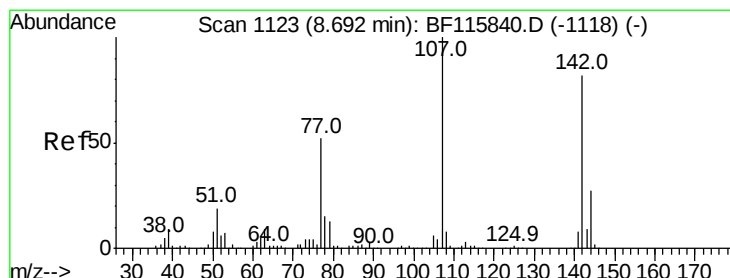
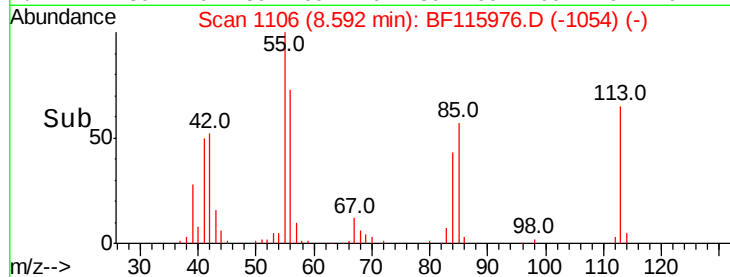
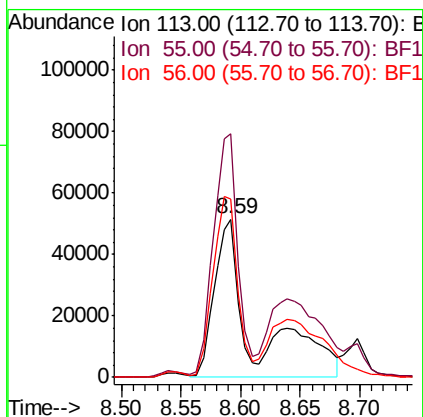
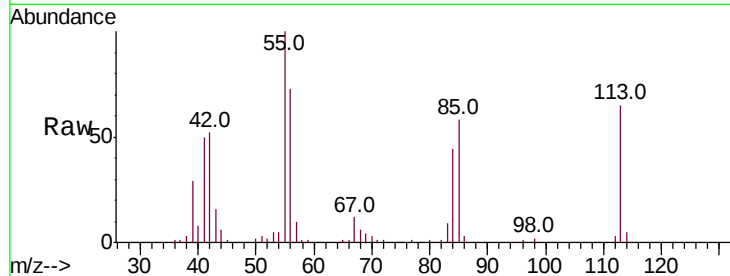
#35
Caprolactam
Concen: 45.151 ng/ml
RT: 8.59 min Scan# 1106
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
113	100		
55	153.8	138.1	178.1
56	112.9	100.6	140.6

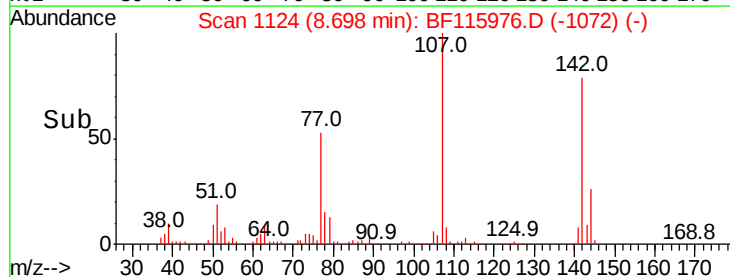
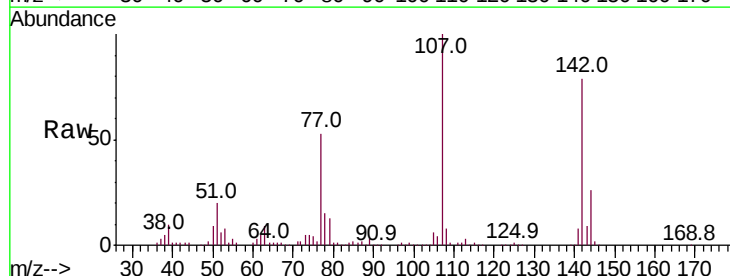
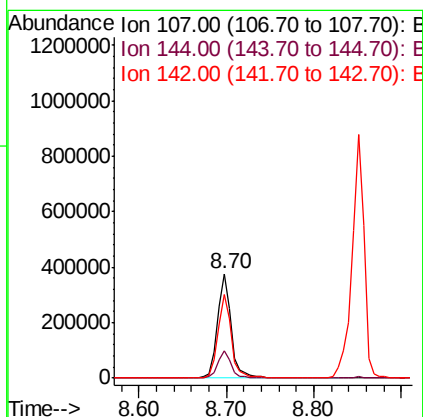
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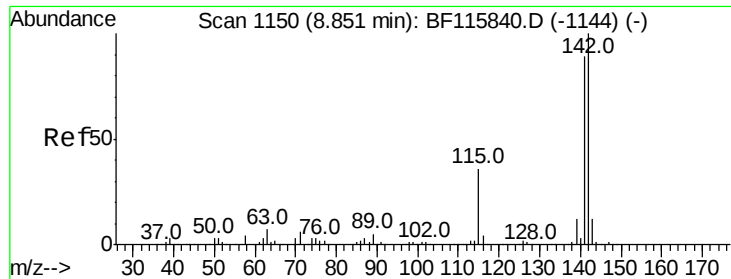
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#36
4-Chloro-3-methylphenol
Concen: 48.058 ng/ml
RT: 8.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.8	21.4	32.0
142	79.4	65.5	98.3





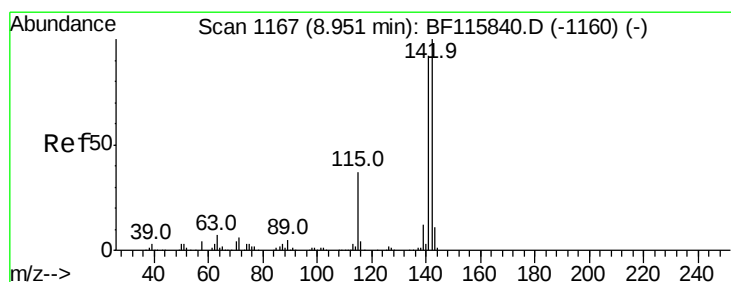
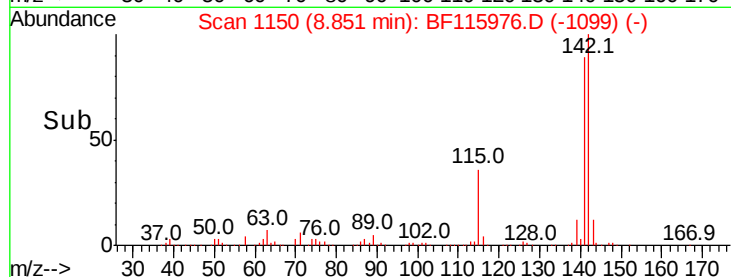
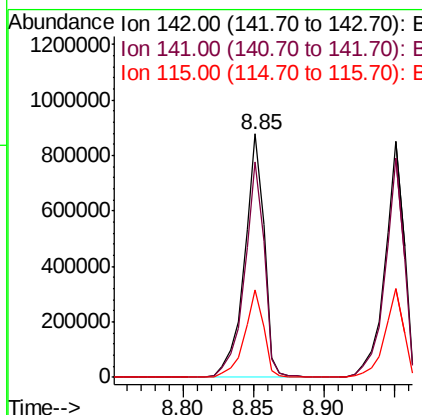
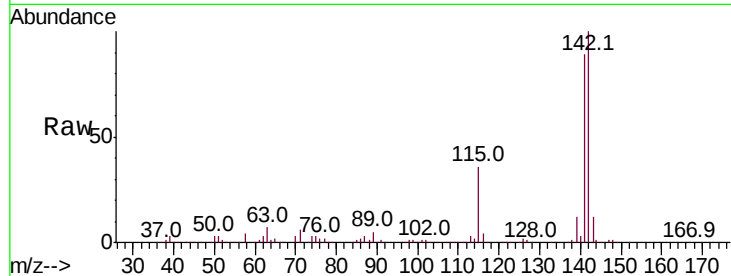
#37
2-Methylnaphthalene
Concen: 46.985 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Resp	Lower	Upper
142	100	850388		
141	88.8	71.4	107.2	
115	36.0	28.9	43.3	

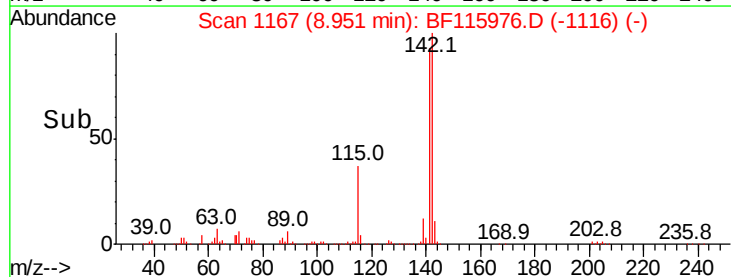
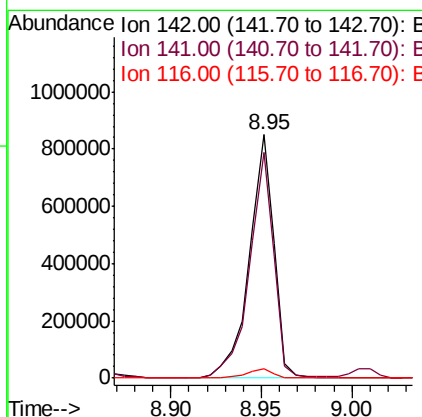
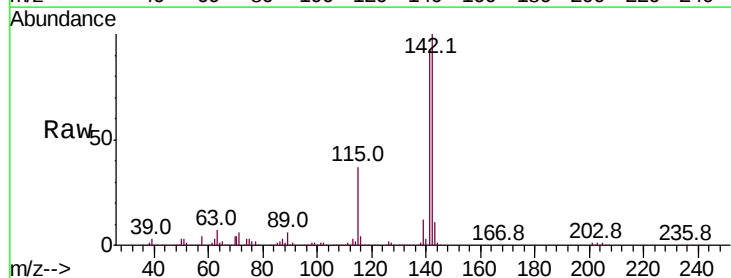
Manual Integrations
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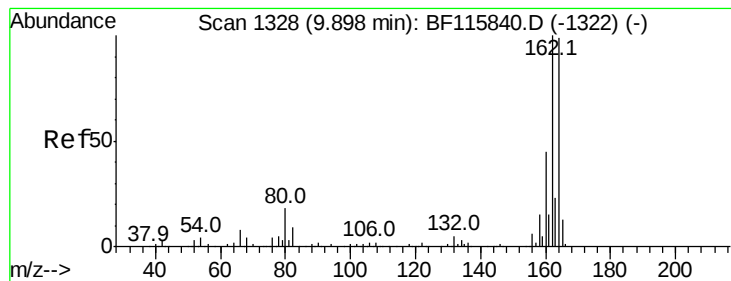
mohammad
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#38
1-Methylnaphthalene
Concen: 46.259 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	792071		
141	92.8	73.8	110.6	
116	4.0	3.1	4.7	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

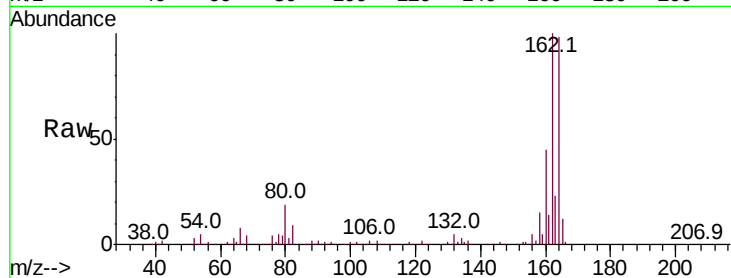
ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion:	164	Resp:	319274
Ion Ratio	Lower	Upper	
164	100		
162	102.4	80.8	121.2
160	46.3	36.2	54.4

Manual Integrations
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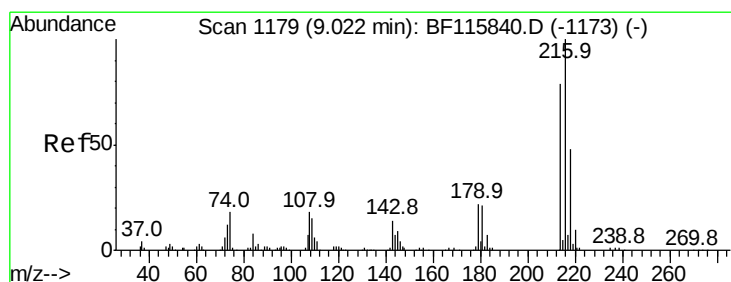
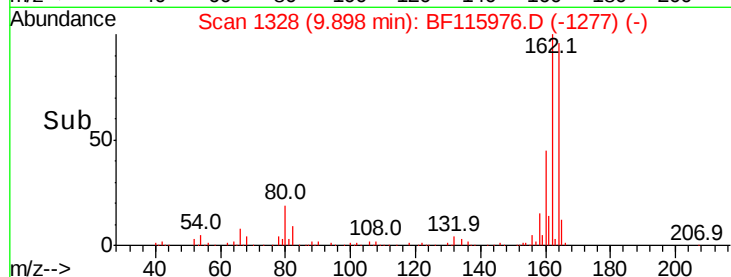
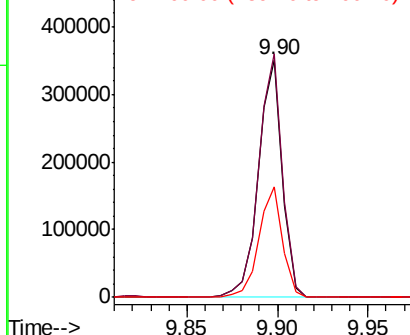


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.496 ng

RT: 9.02 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Tgt Ion:	216	Resp:	388331
Ion Ratio	Lower	Upper	
216	100		
214	79.5	62.8	94.2
179	22.2	17.6	26.4
108	21.5	16.1	24.1

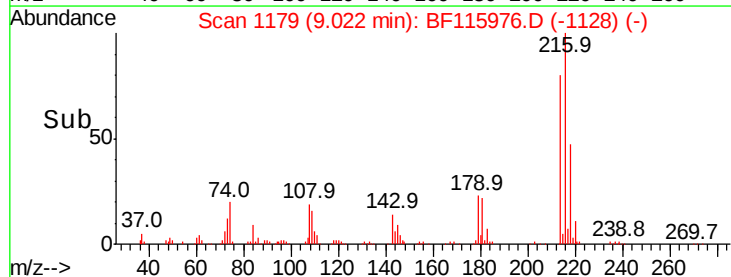
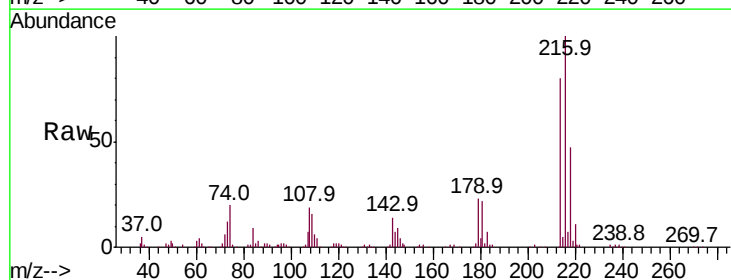
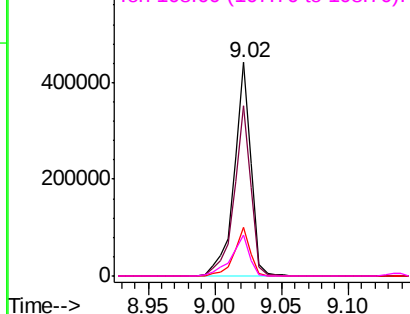
Abundance

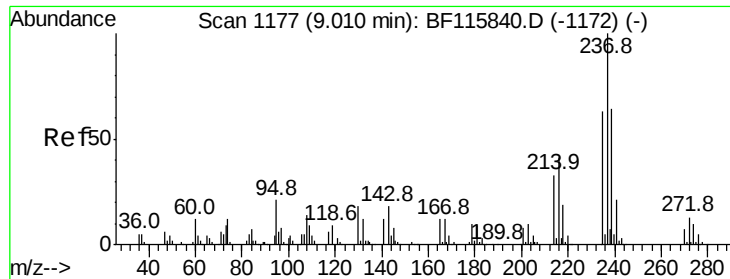
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





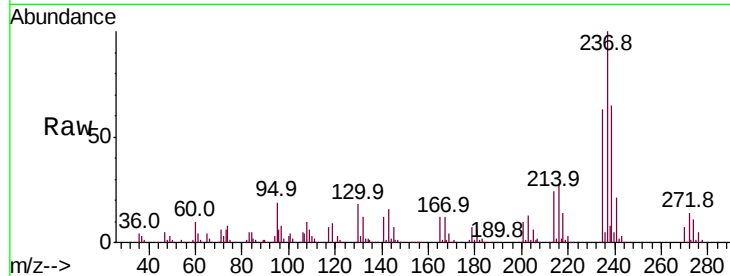
#41
Hexachlorocyclopentadiene
Concen: 66.533 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

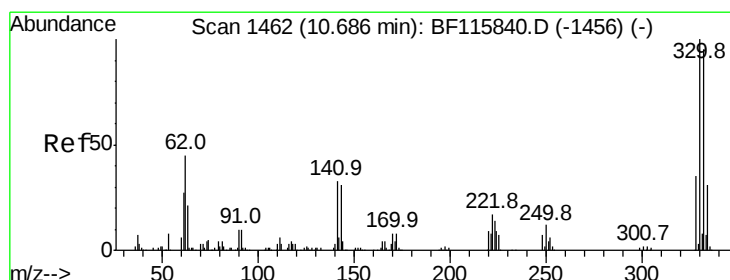
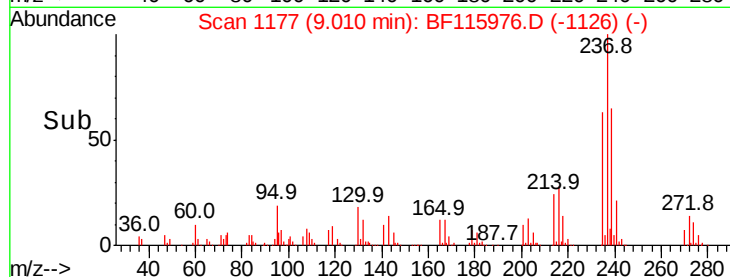
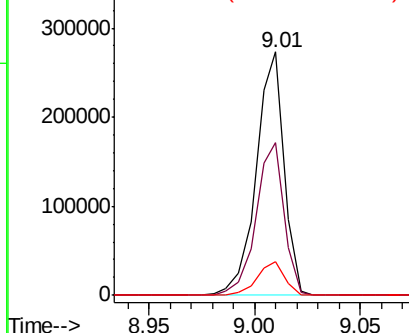
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	62.7	42.5	82.5
272	13.6	0.0	33.3

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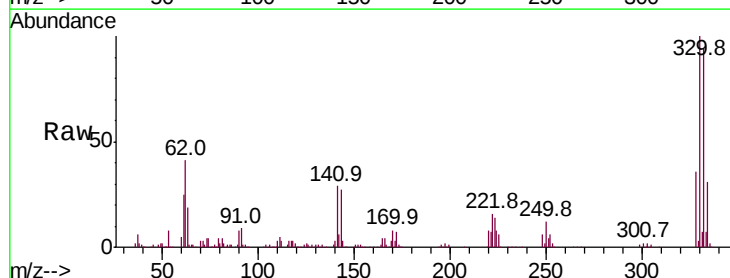


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

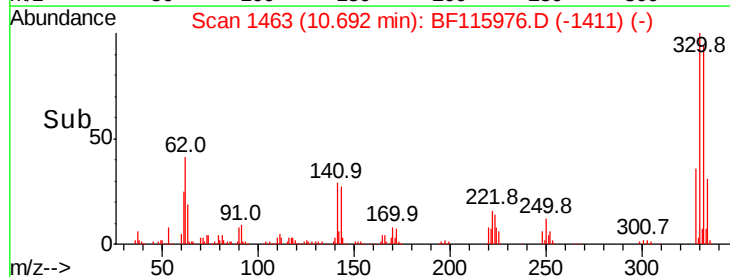
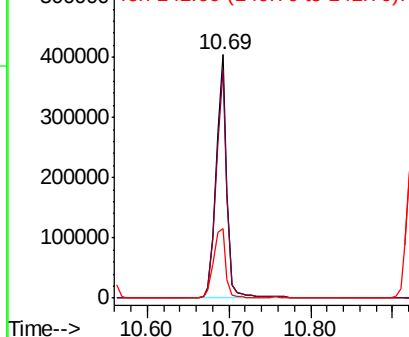


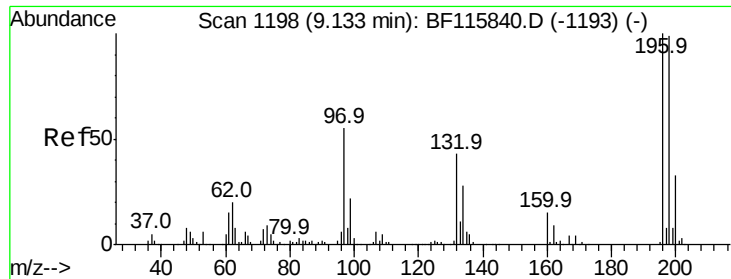
#42
2,4,6-Tribromophenol
Concen: 120.579 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.7	77.7	116.5
141	32.4	28.1	42.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





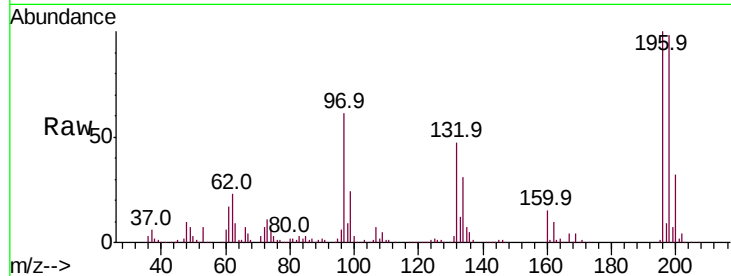
#43
 2,4,6-Trichlorophenol
 Concen: 44.027 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Tot Ion	Ratio	Resp	Lower	Upper
196	100	258660		
198	98.2	79.1	118.7	
200	31.5	26.0	39.0	

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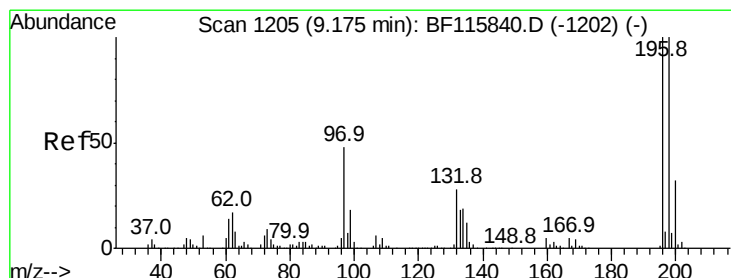
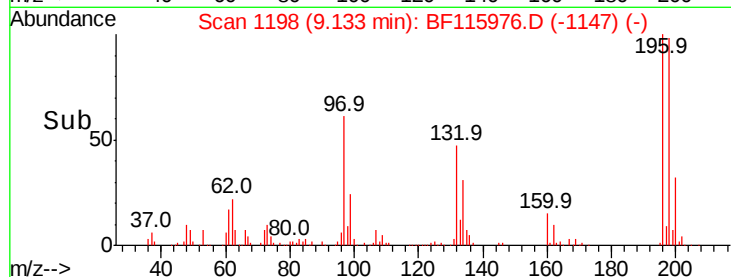
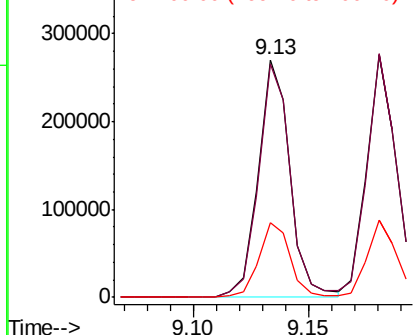


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 45.019 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	273406		
198	100.6	80.1	120.1	
97	53.2	38.9	58.3	
132	29.9	22.6	33.8	

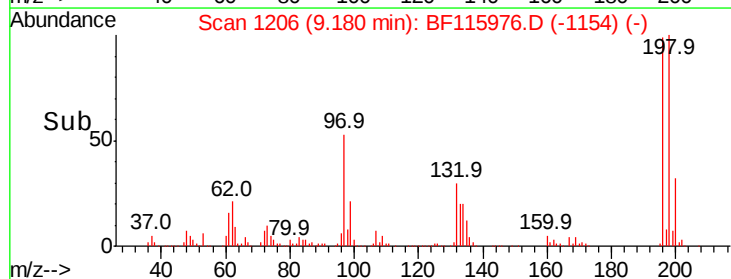
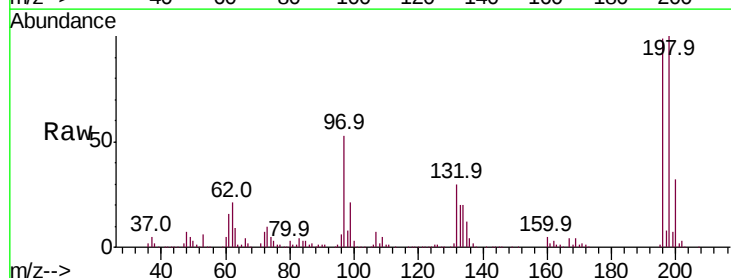
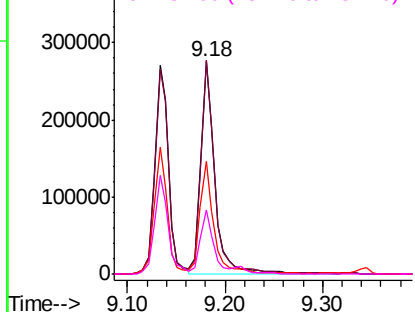
Abundance

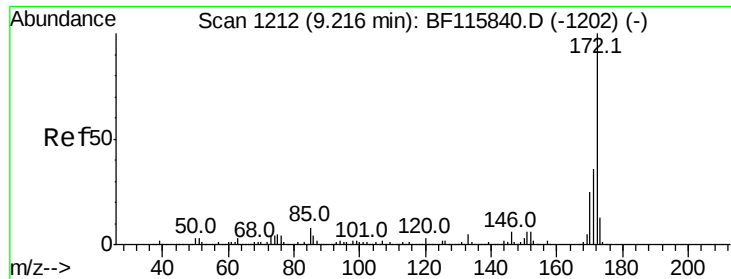
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





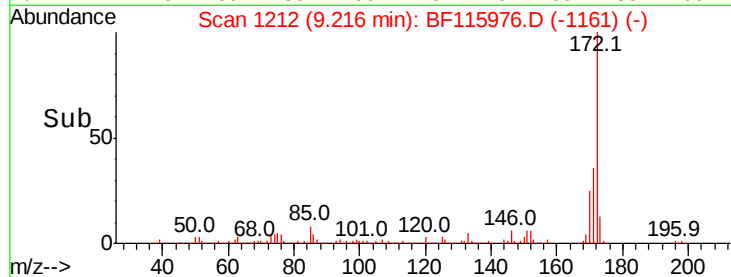
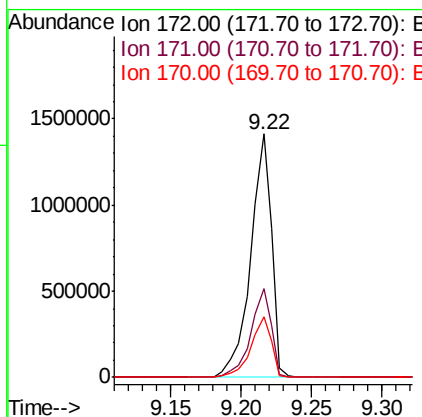
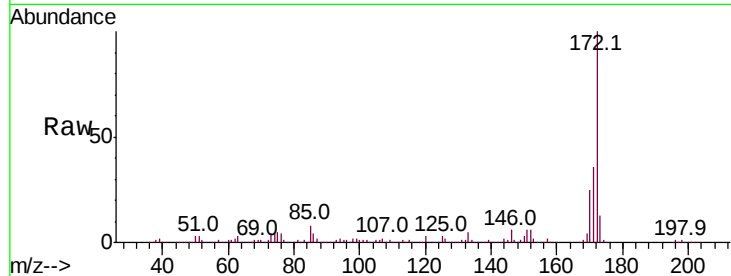
#45
2-Fluorobiphenyl
Concen: 86.085 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.1	43.7
170	24.8	20.1	30.1

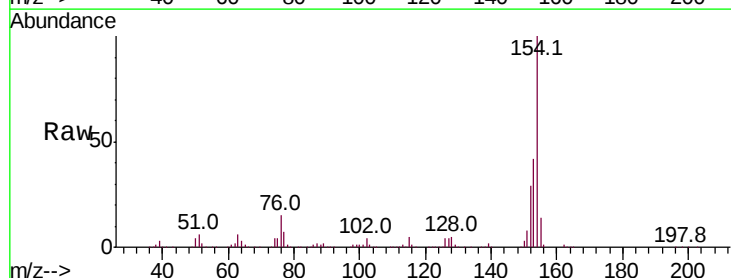
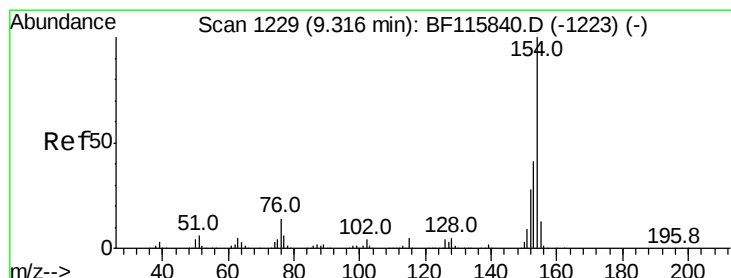
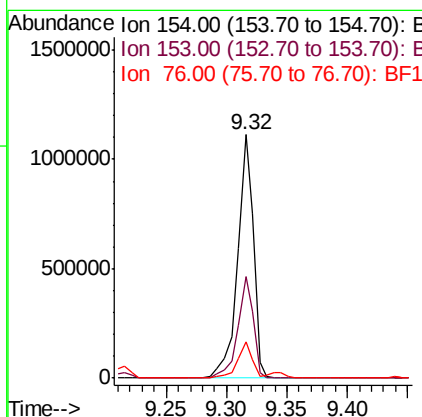
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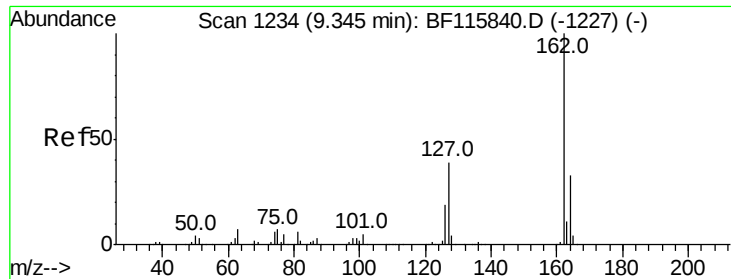
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#46
1,1'-Biphenyl
Concen: 45.128 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.9	60.9
76	14.9	0.0	34.3





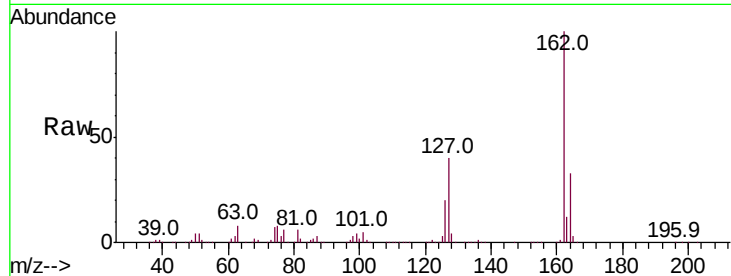
#47
2-Chloronaphthalene
Concen: 43.424 ng
RT: 9.35 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	39.6	31.3	46.9	
164	33.4	26.6	40.0	

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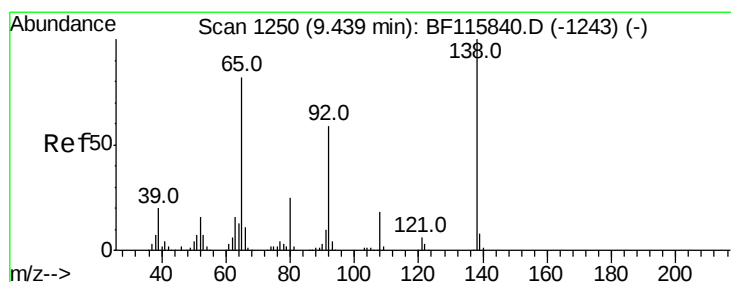
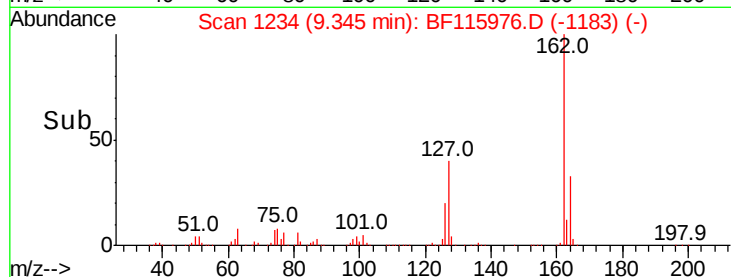
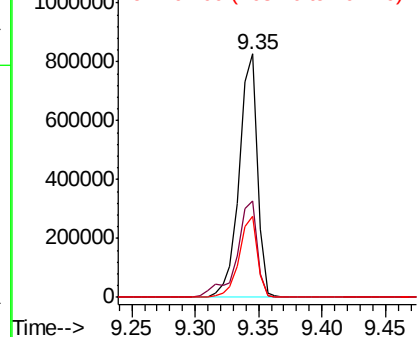


Abundance

Ion 162.00 (161.70 to 162.70): E

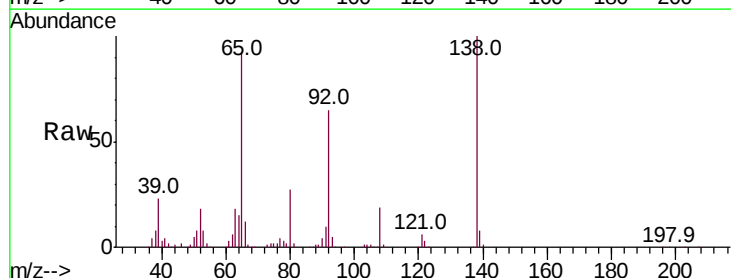
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 42.584 ng
RT: 9.44 min Scan# 1250
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	70.6	57.1	85.7	
138	109.2	97.1	145.7	

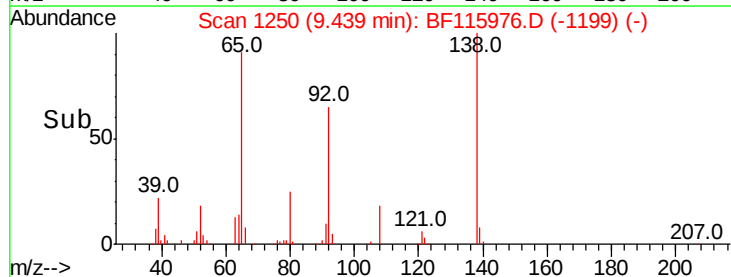
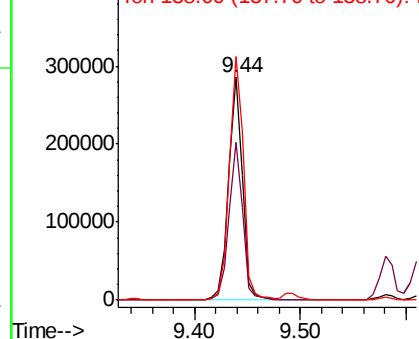


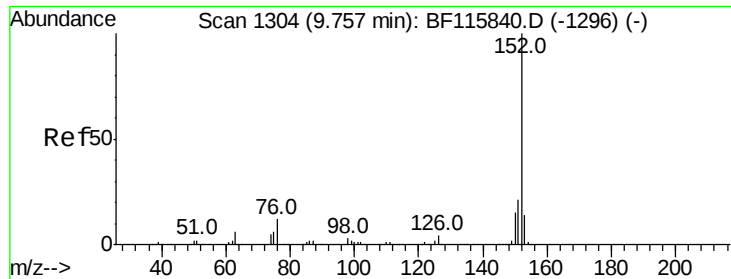
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.509 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion:152 Resp: 1245572

Ion Ratio Lower Upper

152 100

151 21.0 16.8 25.2

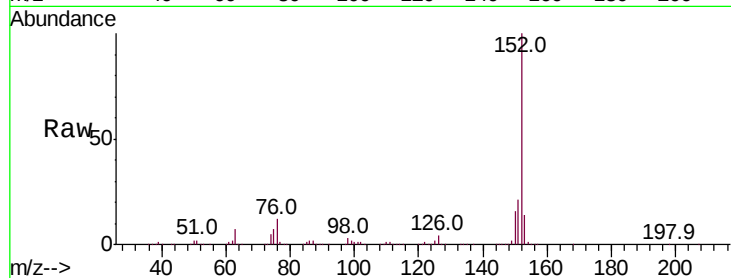
153 14.4 11.6 17.4

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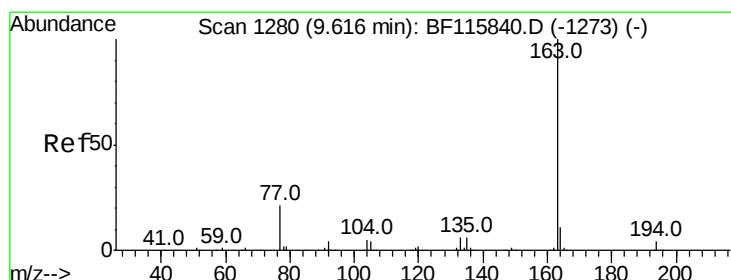
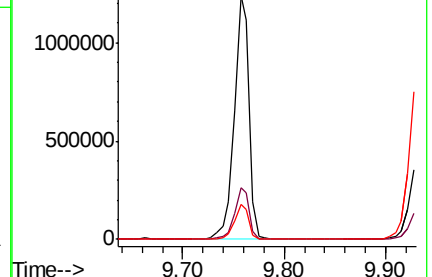
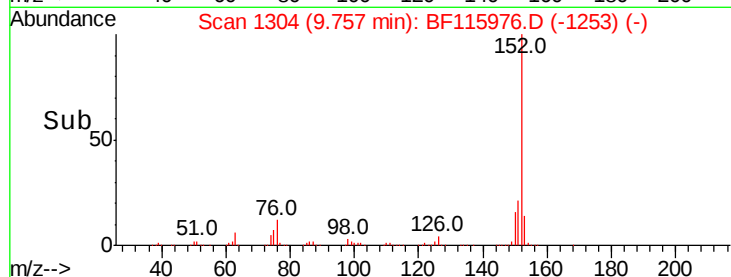
8/8/2019 4:45:22 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 45.330 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

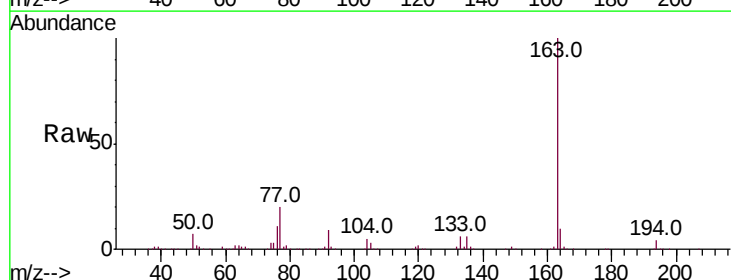
Tgt Ion:163 Resp: 985423

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

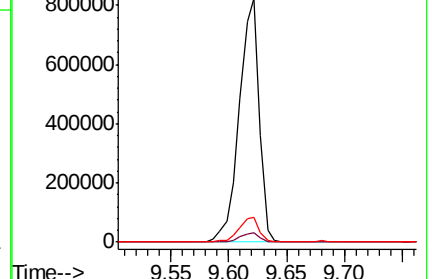
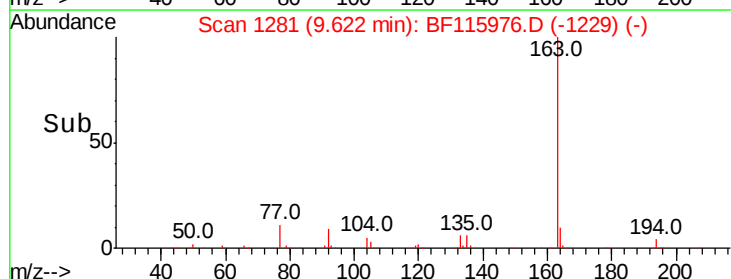
164 10.2 8.4 12.6

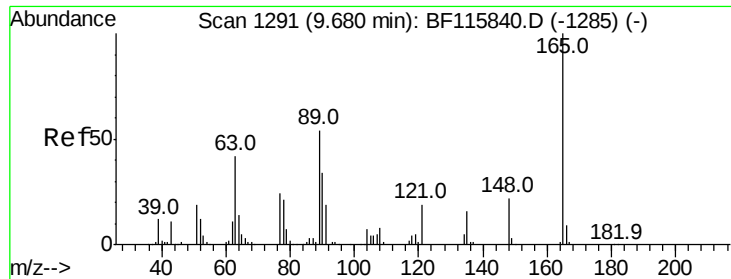


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 46.196 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

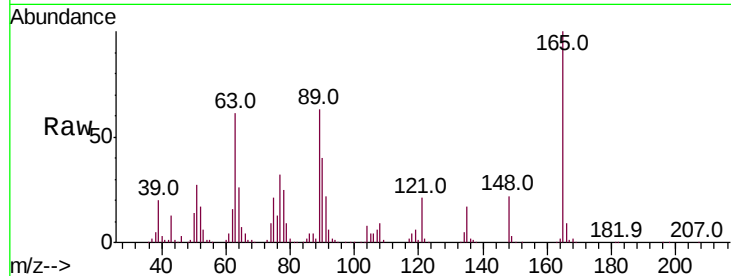
IDOC BS-SOIL02-RC

Tot Ion:165 Resp: 218244
Ion Ratio Lower Upper

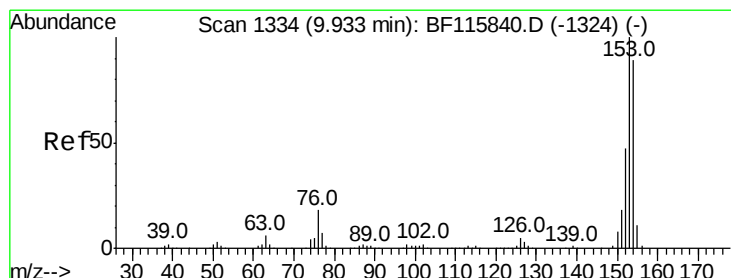
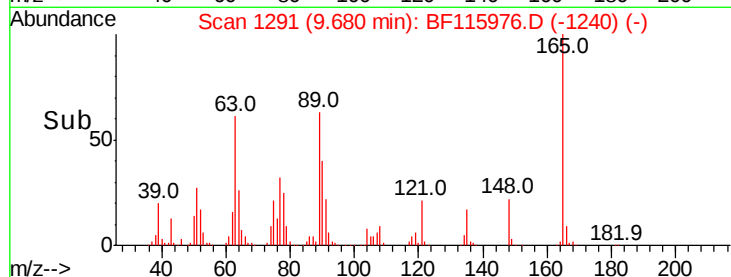
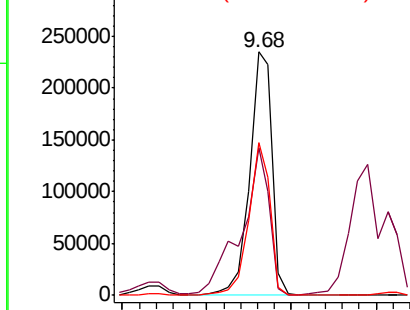
165	100		
63	60.8	39.4	59.2#
89	62.9	43.0	64.6

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 44.057 ng

RT: 9.93 min Scan# 1334

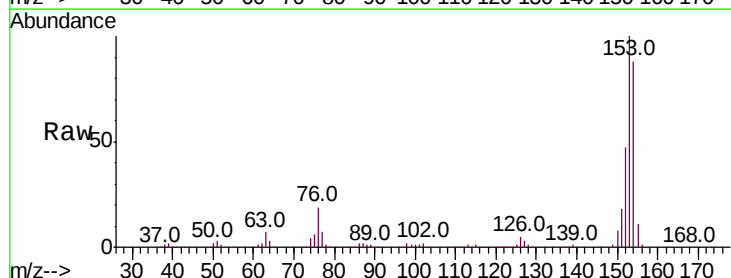
Delta R.T. 0.00 min

Lab File: BF115976.D

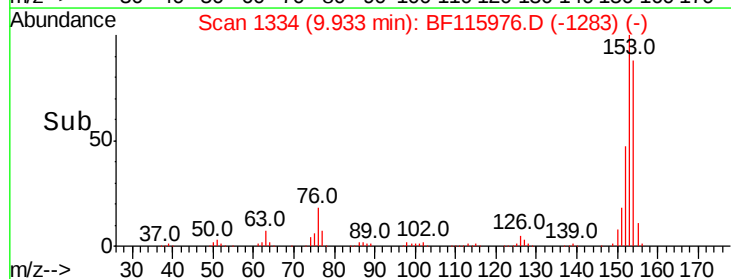
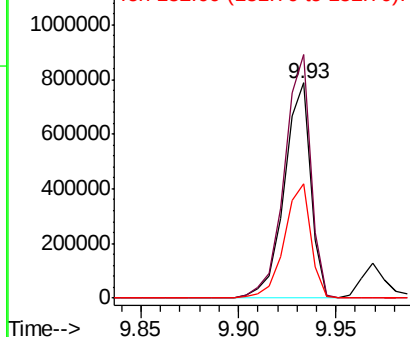
Acq: 3 Aug 2019 12:50

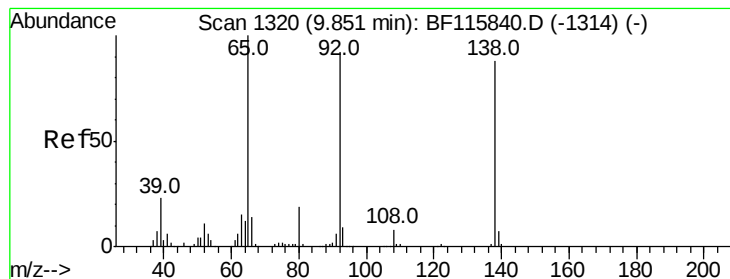
Tgt Ion:154 Resp: 739756
Ion Ratio Lower Upper

154	100		
153	113.3	90.1	135.1
152	53.2	42.6	63.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 30.255 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

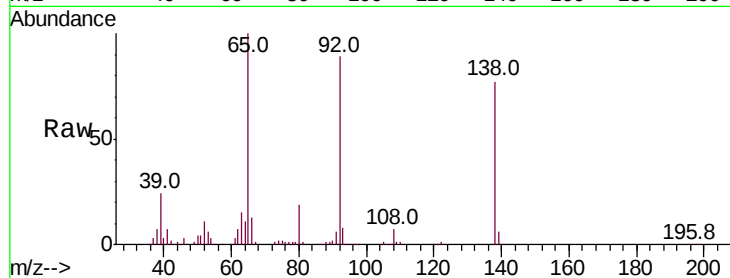
ClientSampleId :

IDOC BS-SOIL02-RC

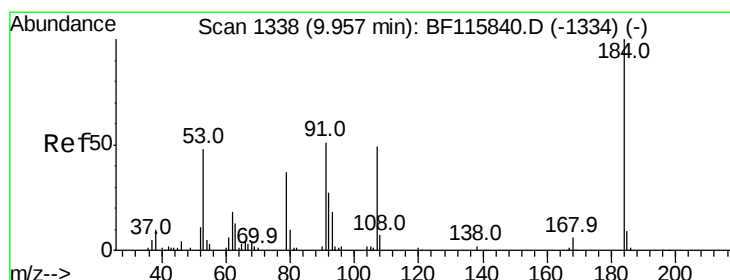
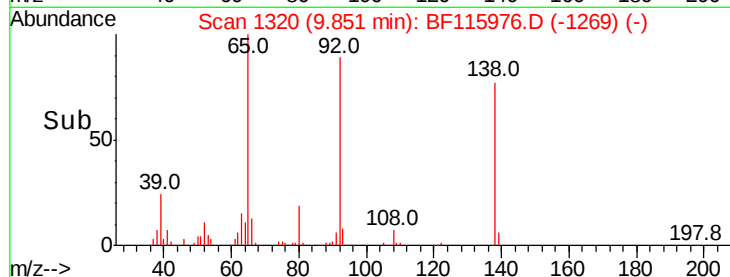
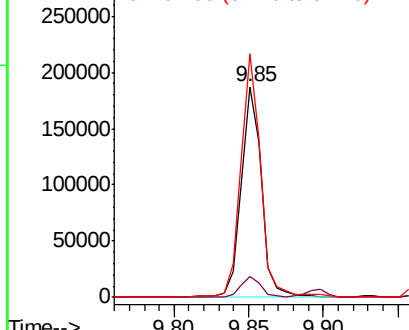
Tot Ion:138	Resp:	176611
Ion Ratio	Lower	Upper
138 100		
108 9.7	7.4	11.2
92 115.6	83.9	125.9

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Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 78.745 ng

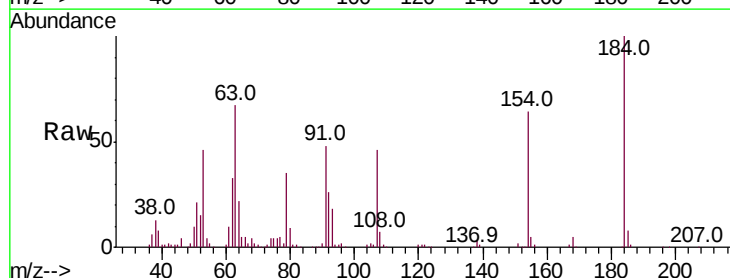
RT: 9.97 min Scan# 1340

Delta R.T. 0.01 min

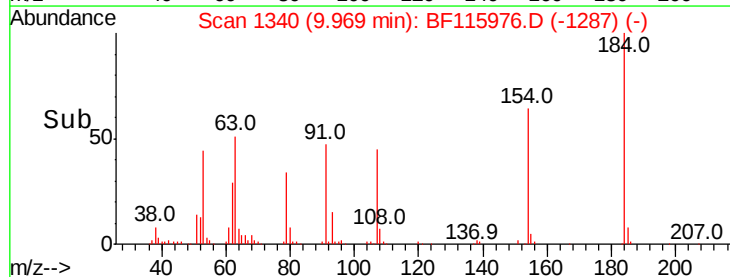
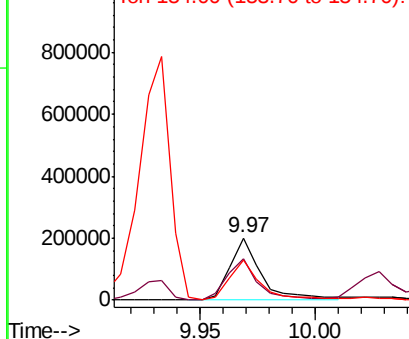
Lab File: BF115976.D

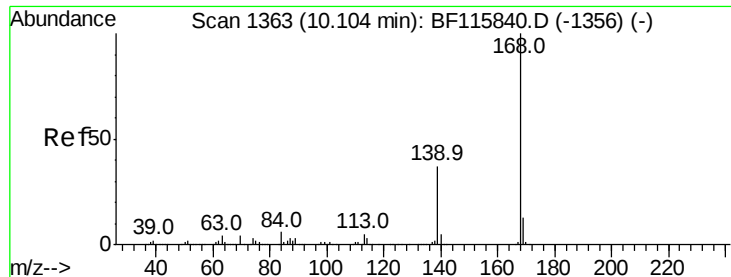
Acq: 3 Aug 2019 12:50

Tgt Ion:184	Resp:	188885
Ion Ratio	Lower	Upper
184 100		
63 66.9	56.7	85.1
154 63.7	51.9	77.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





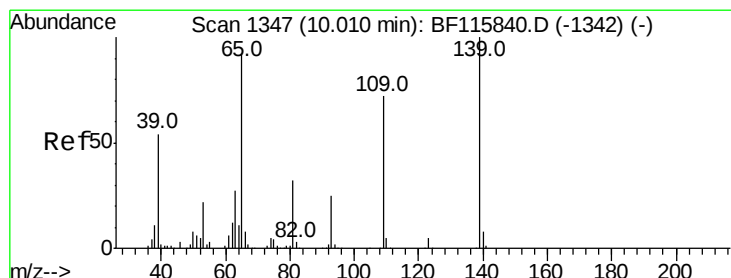
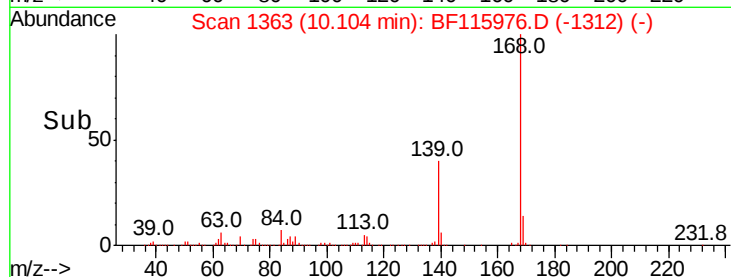
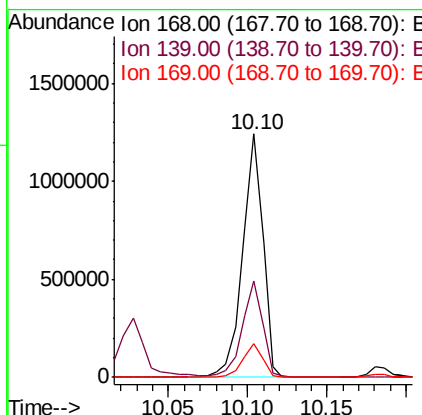
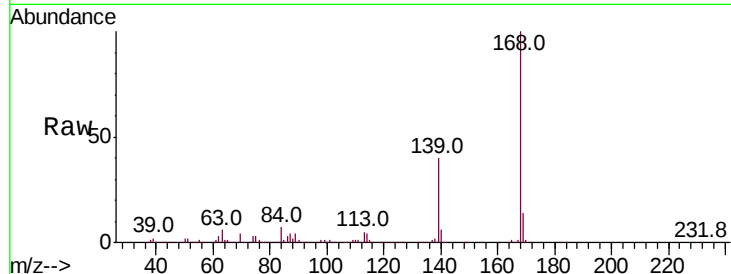
#55
Dibenzofuran
Concen: 45.066 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.8	30.2	45.2
169	13.8	10.8	16.2

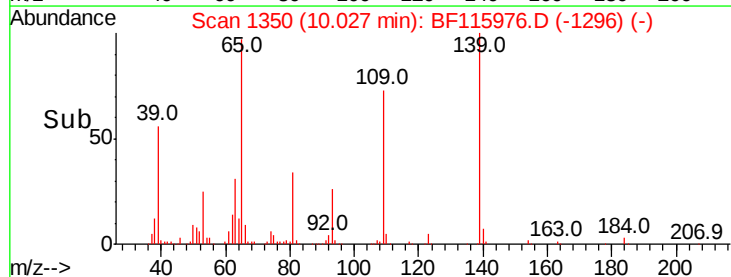
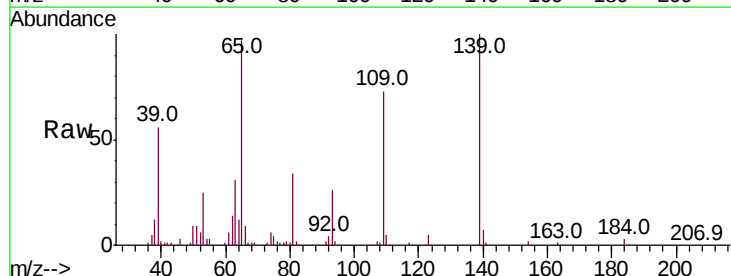
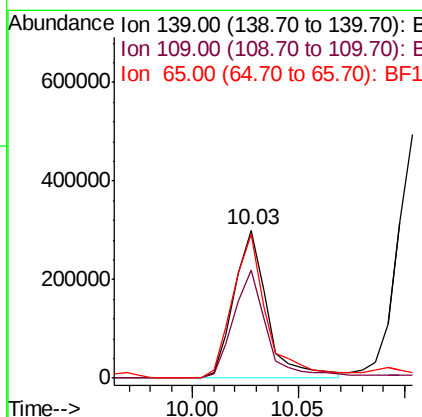
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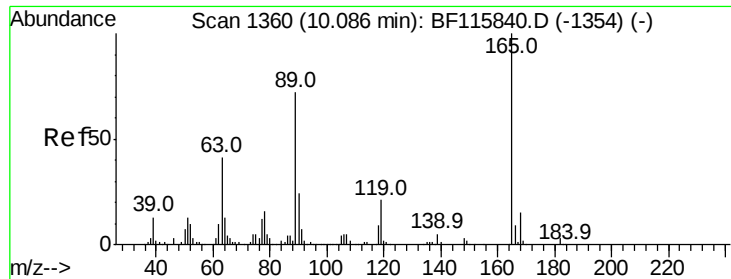
mohammad
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#56
4-Nitrophenol
Concen: 87.984 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
139	100		
109	73.0	52.0	92.0
65	97.1	72.6	112.6





#57

2,4-Dinitrotoluene

Concen: 45.637 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleID :

IDOC BS-SOIL02-RC

Tot Ion:165 Resp: 287054
Ion Ratio Lower Upper

165 100

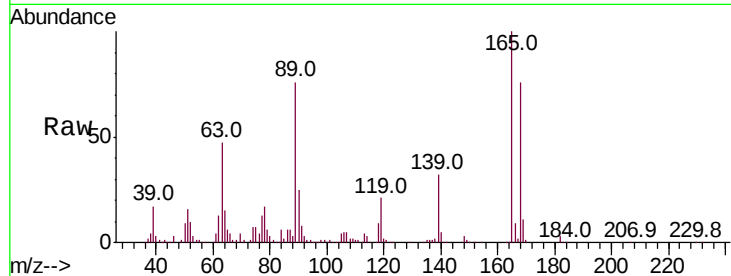
63 46.8 33.2 49.8

89 75.5 57.3 85.9

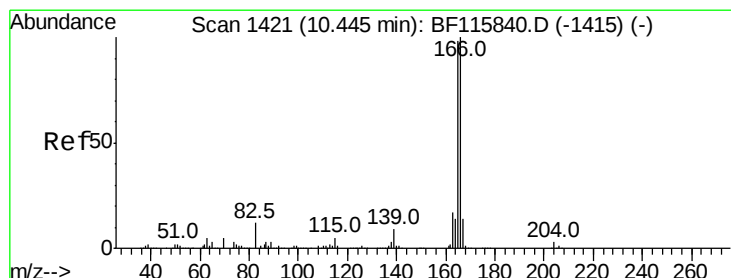
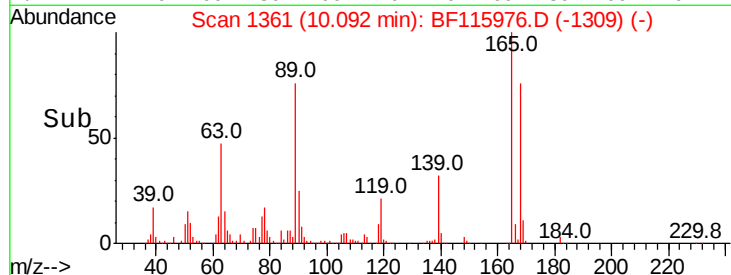
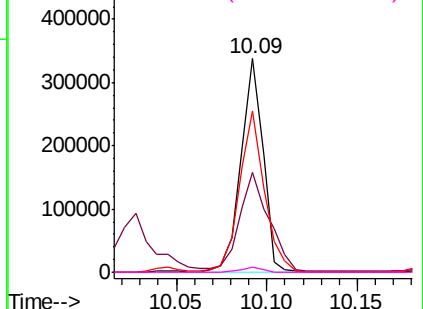
182 2.5 2.1 3.1

Manual Integrations
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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 45.576 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BF115976.D

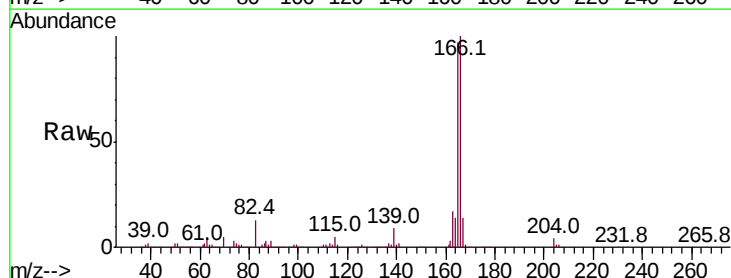
Acq: 3 Aug 2019 12:50

Tgt Ion:166 Resp: 856236
Ion Ratio Lower Upper

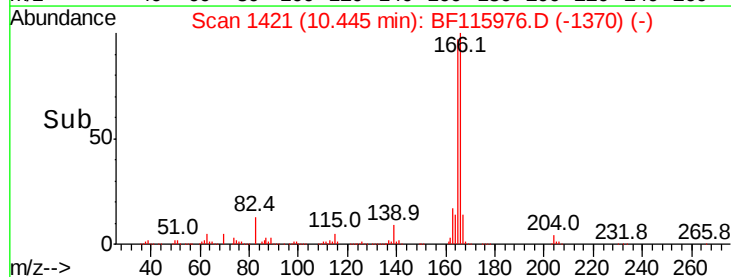
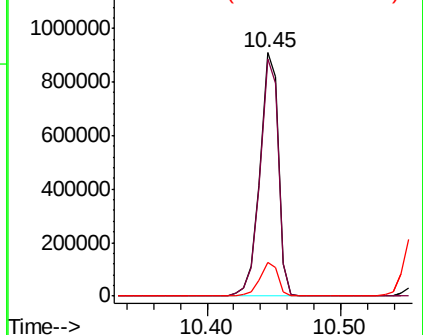
166 100

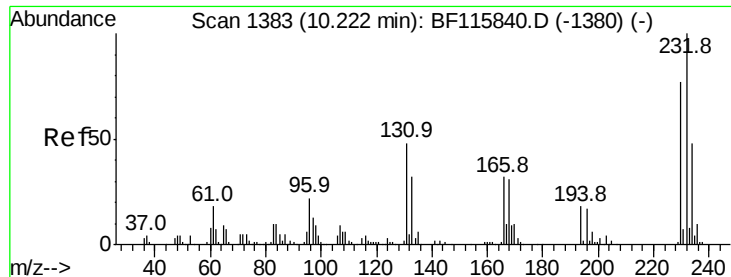
165 97.3 78.6 118.0

167 13.8 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





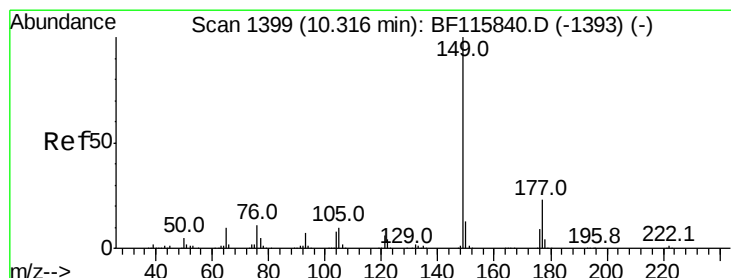
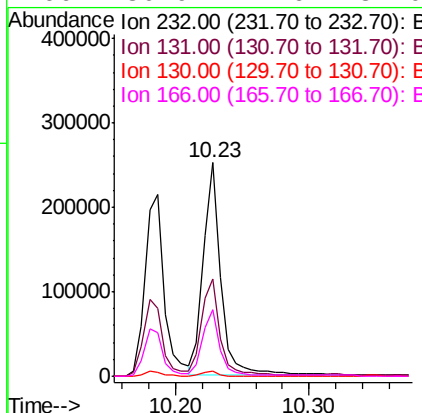
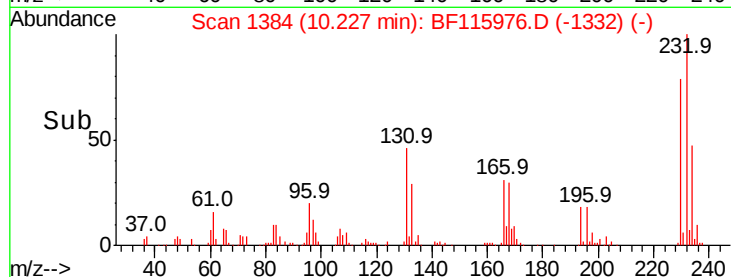
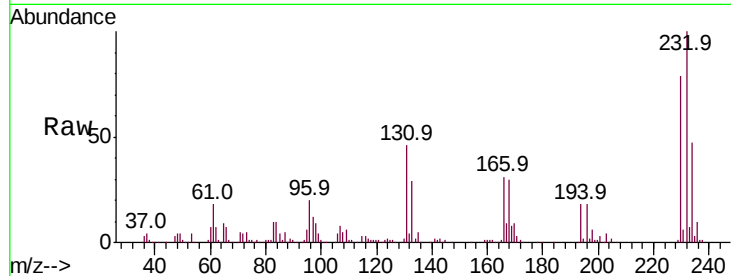
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.008 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Tot Ion	Ratio	Resp	Lower	Upper
232	100	229961		
131	48.0		37.6	56.4
130	2.5		1.8	2.8
166	30.9		24.6	37.0

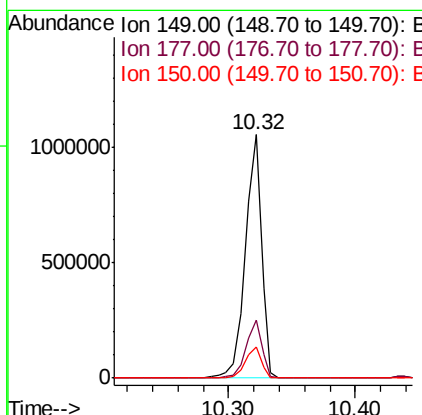
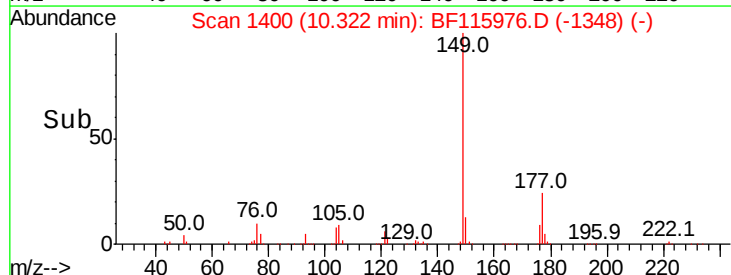
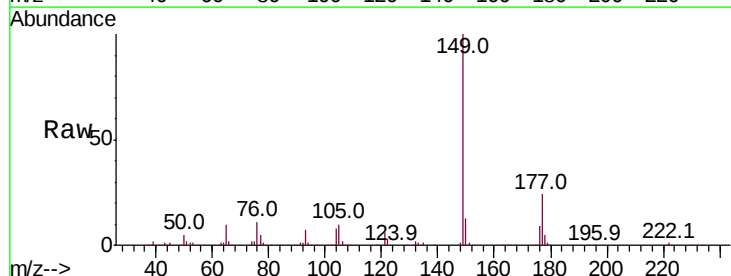
Manual Integrations
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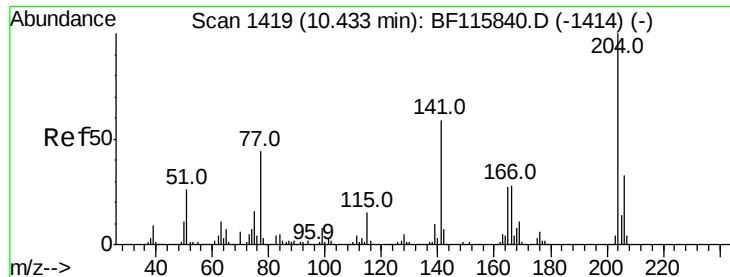
mohammad
 8/8/2019 4:45:22 PM



#60
 Diethylphthalate
 Concen: 45.818 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	929918		
177	24.0		18.4	27.6
150	12.8		10.1	15.1





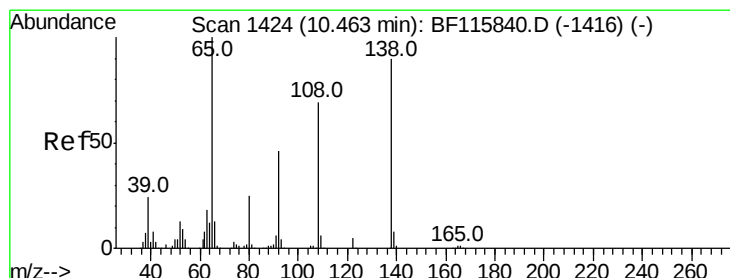
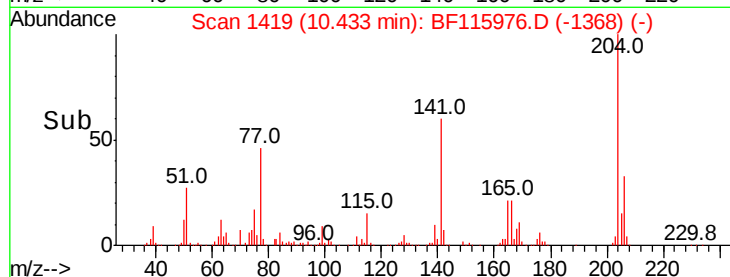
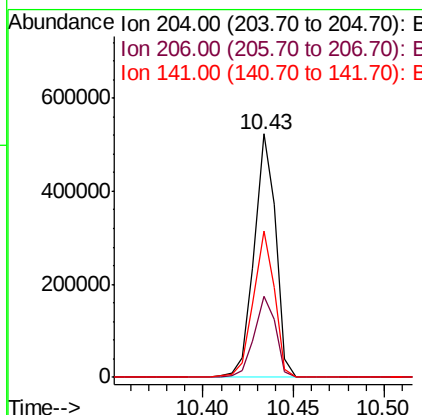
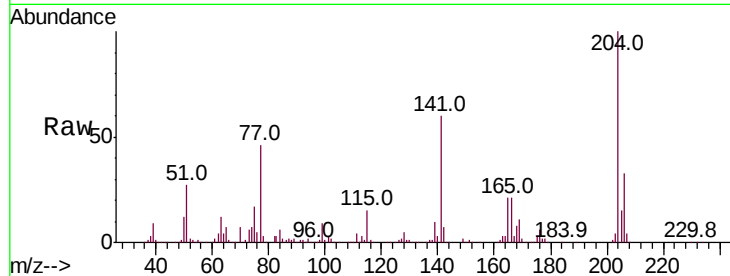
#61
4-Chlorophenyl-phenylether
Concen: 45.473 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	60.0	47.0	70.4

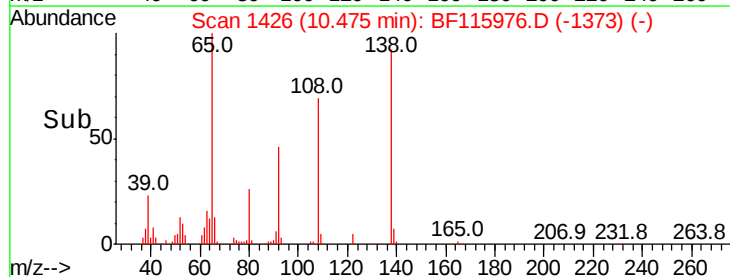
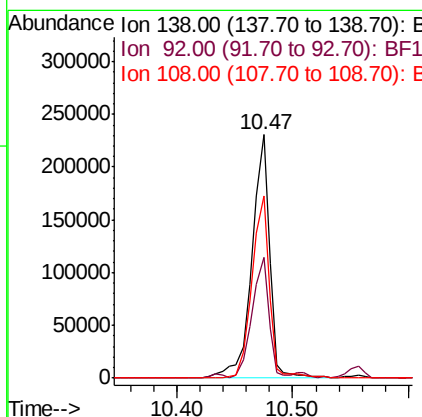
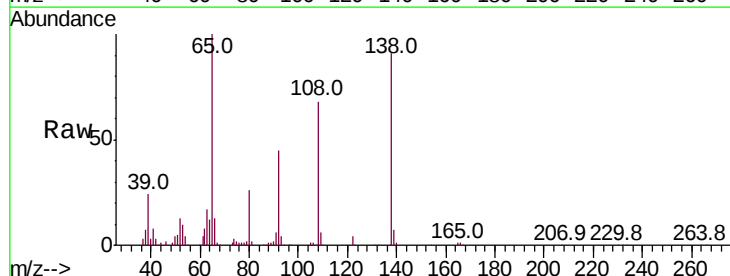
Manual Integrations
APPROVED

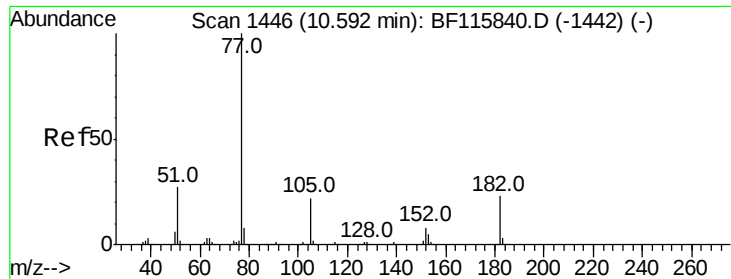
mohammad
8/8/2019 4:45:22 PM



#62
4-Nitroaniline
Concen: 41.001 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.5	31.0	71.0
108	74.8	56.7	96.7





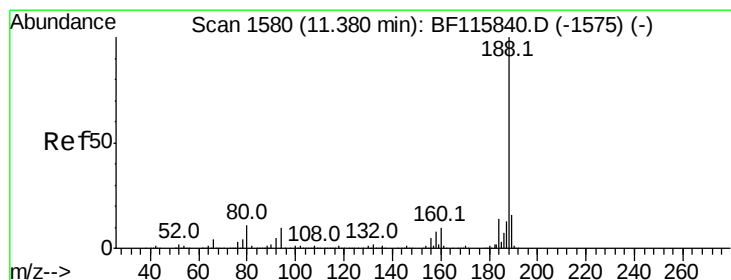
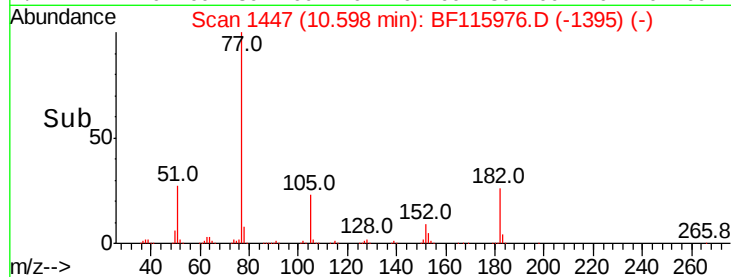
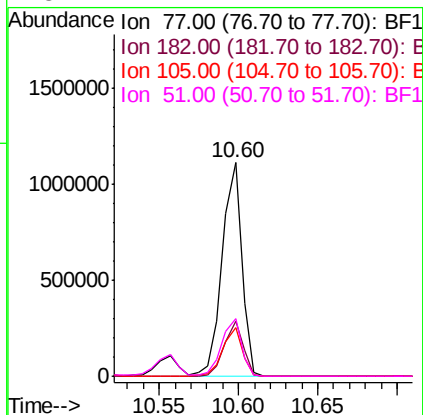
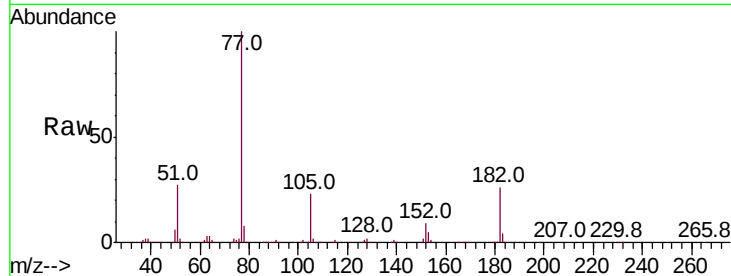
#63
Azobenzene
Concen: 45.928 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		958776		
182	25.8	2.6	42.6		
105	22.8	1.6	41.6		
51	27.1	7.4	47.4		

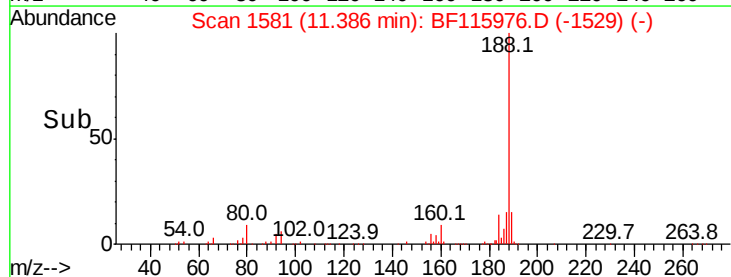
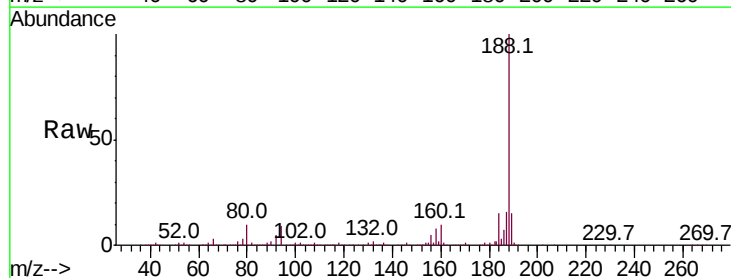
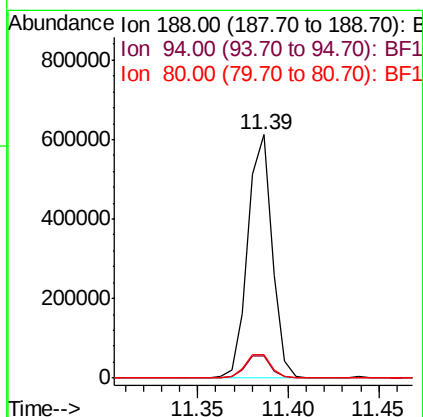
Manual Integrations
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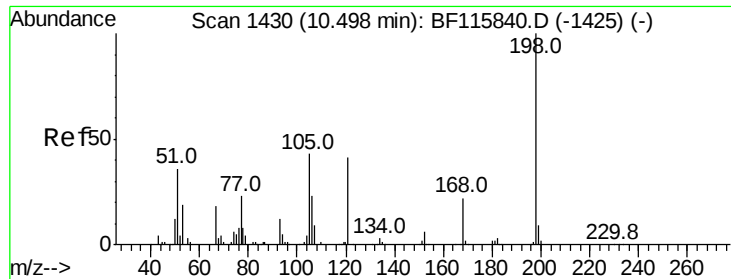
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		572679		
94	9.3	8.0	12.0		
80	9.7	8.6	12.8		





#65

4,6-Dinitro-2-methylphenol

Concen: 46.388 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion:198 Resp: 140778

Ion Ratio Lower Upper

198 100

51 36.1 21.1 61.1

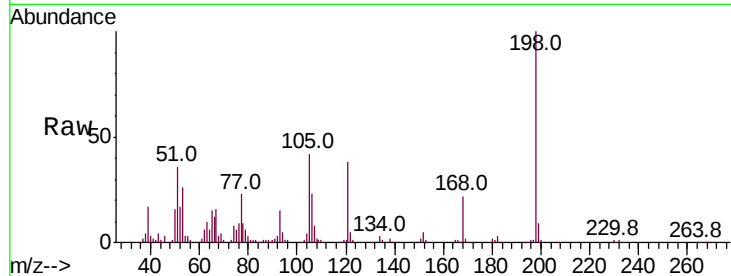
105 41.7 24.5 64.5

Manual Integrations

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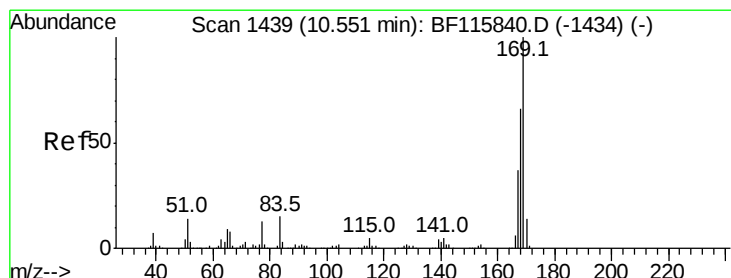
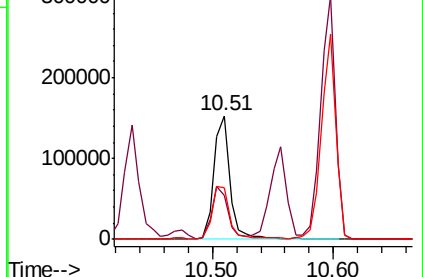
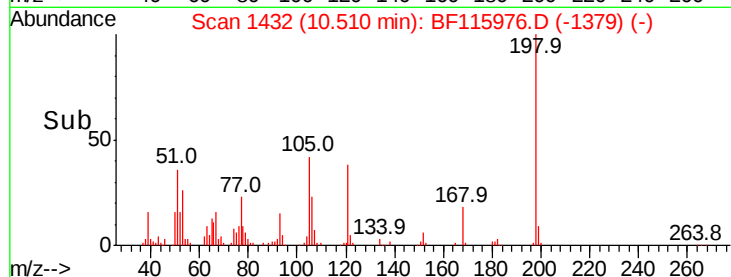
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.342 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

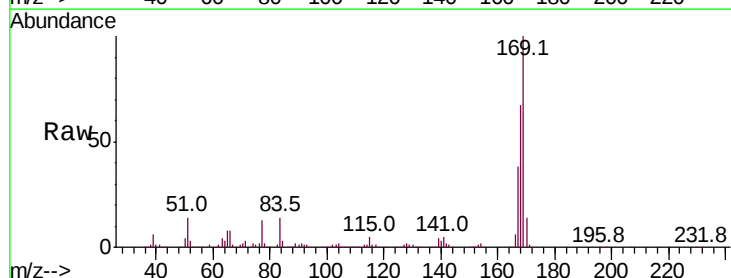
Tgt Ion:169 Resp: 781559

Ion Ratio Lower Upper

169 100

168 67.2 53.0 79.6

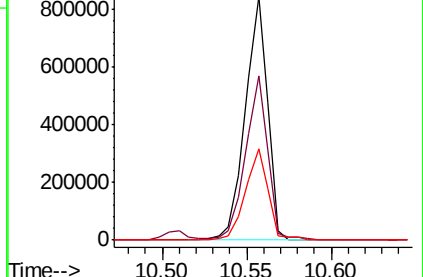
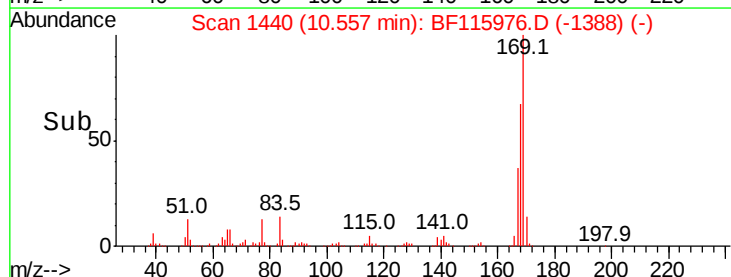
167 37.5 29.9 44.9

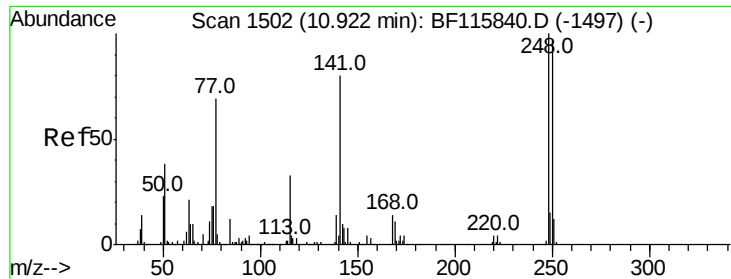


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





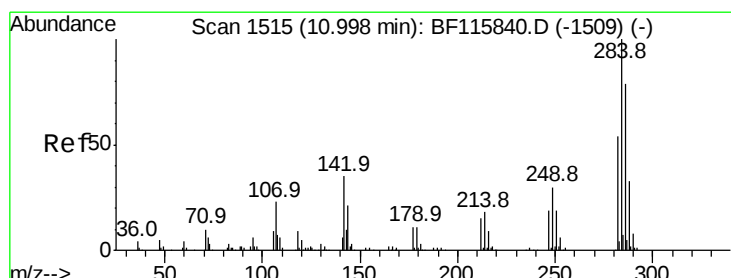
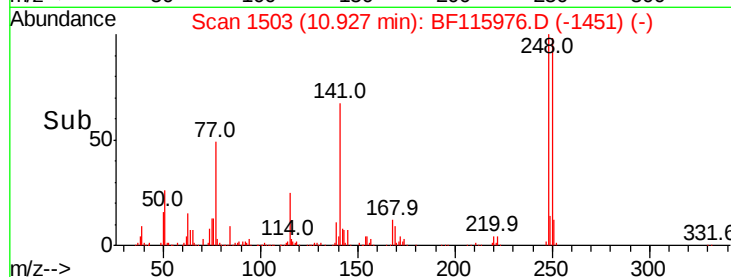
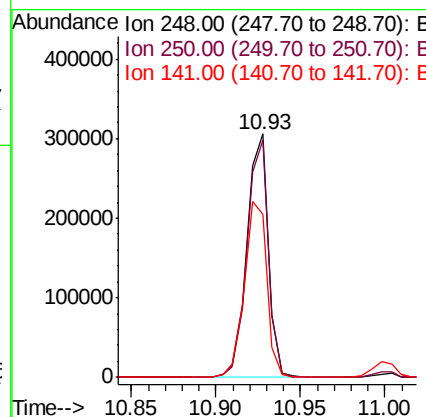
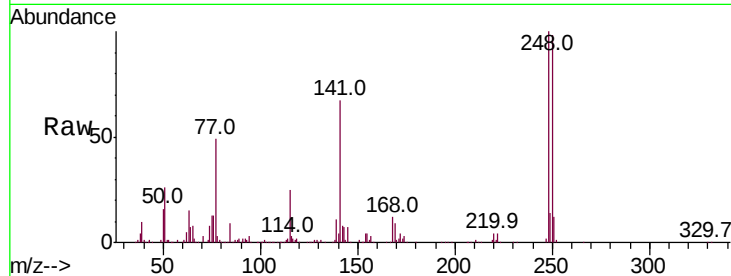
#67
4-Bromophenyl-phenylether
Concen: 44.114 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.8	116.6
141	66.9	64.3	96.5

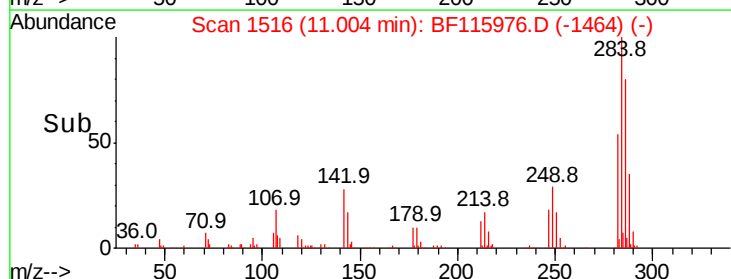
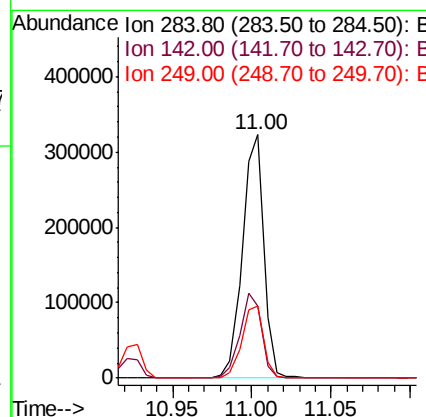
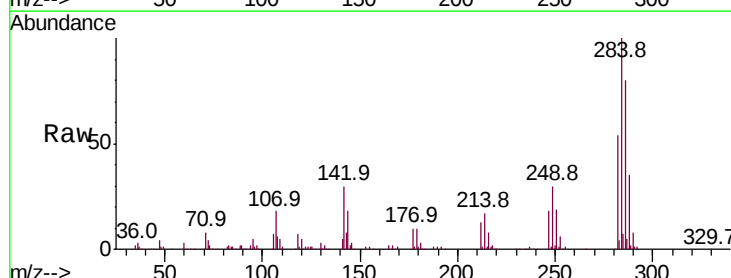
Manual Integrations
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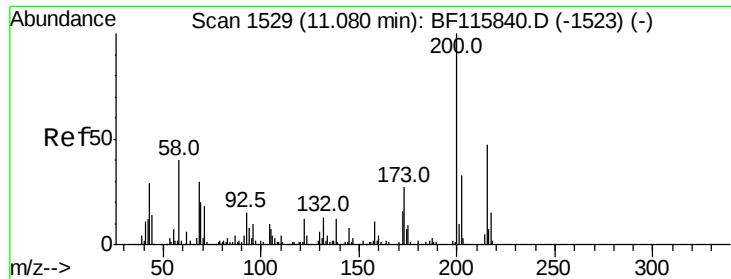
mohammad
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#68
Hexachlorobenzene
Concen: 42.572 ng
RT: 11.00 min Scan# 1516
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.7	28.2	42.2
249	29.6	24.0	36.0





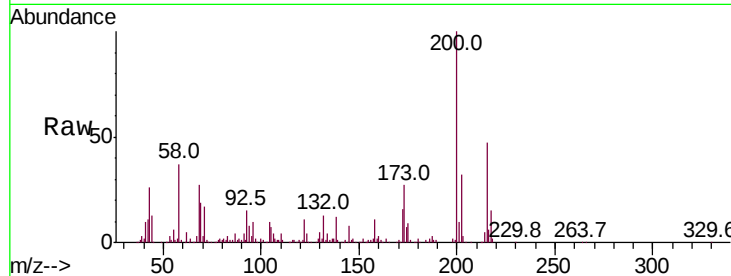
#69
Atrazine
Concen: 44.581 ng
RT: 11.09 min Scan# 1530
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

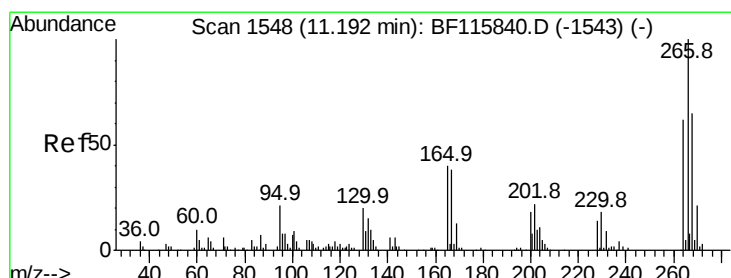
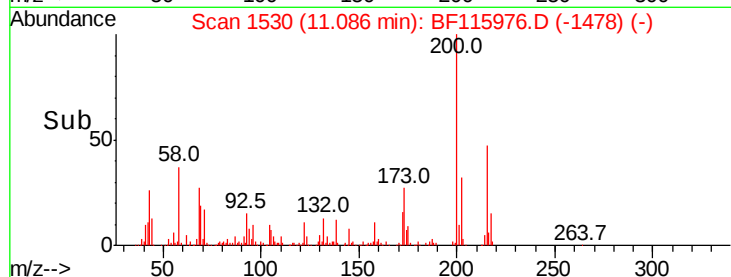
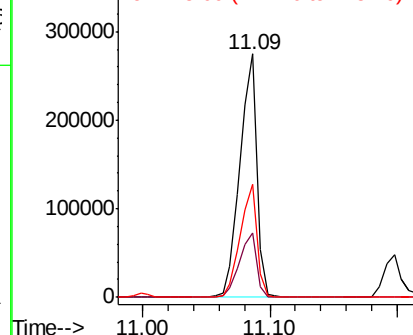
Tot Ion	Ratio	Resp	Lower	Upper
200	100			
173	26.6	7.3	47.3	
215	46.5	26.9	66.9	

Manual Integrations
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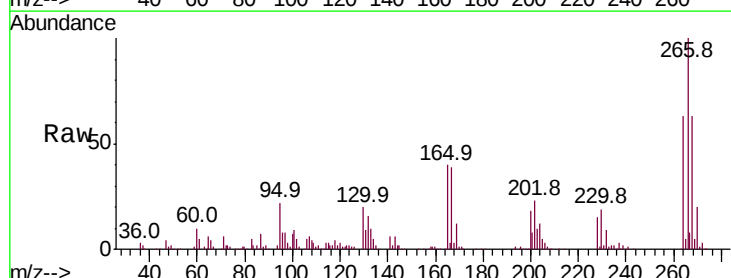


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

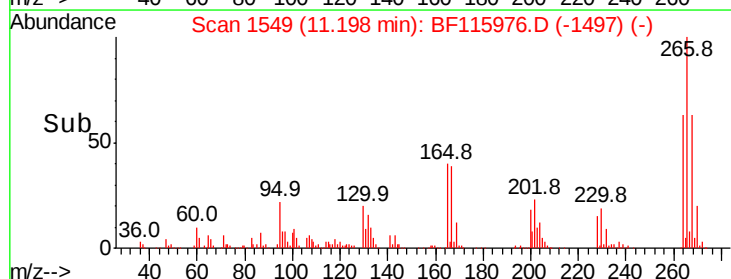
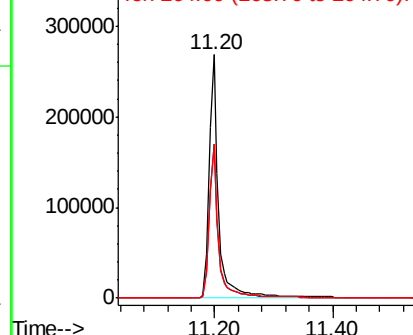


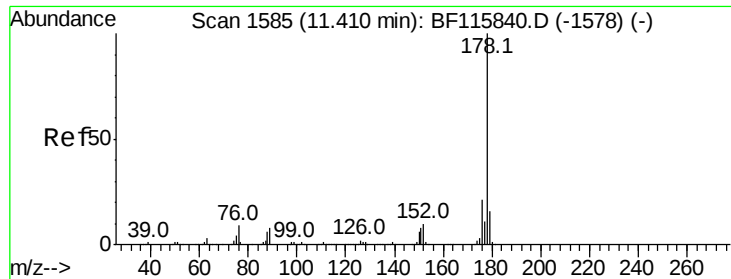
#70
Pentachlorophenol
Concen: 87.860 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	63.3	51.6	77.4	
264	63.3	49.4	74.0	



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





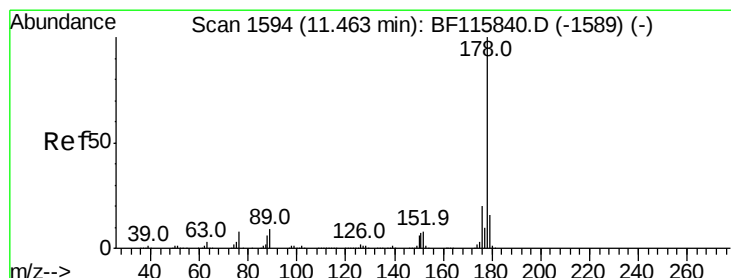
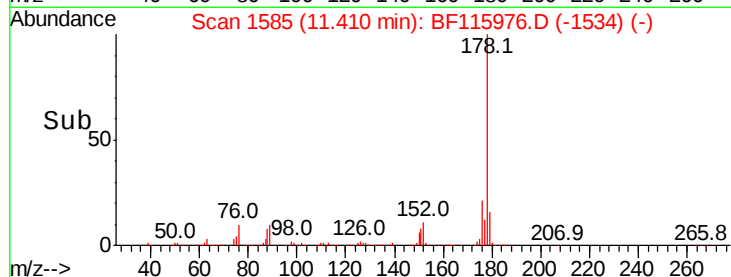
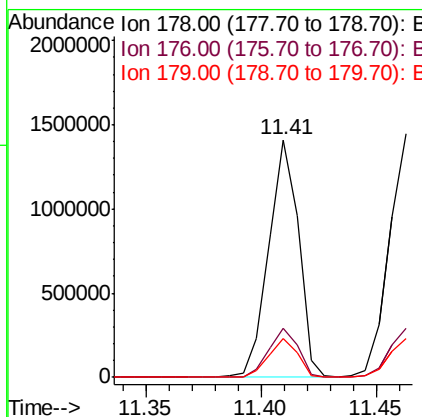
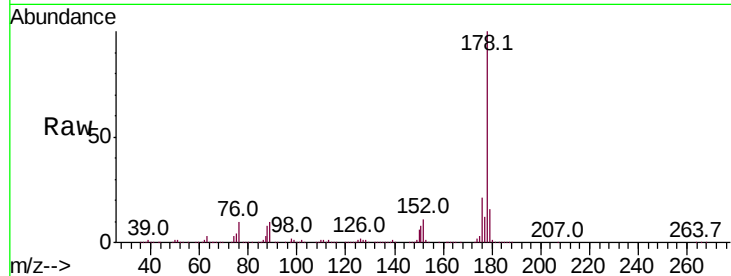
#71
Phenanthrene
Concen: 43.427 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.5	24.7
179	16.3	12.6	18.8

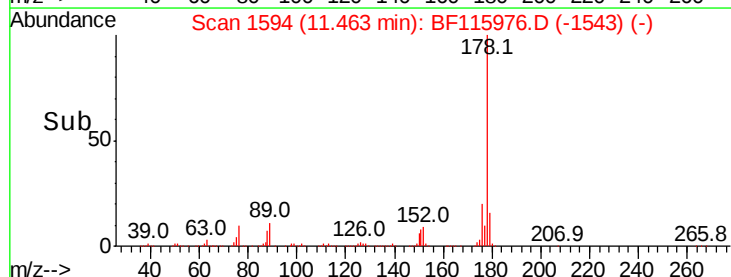
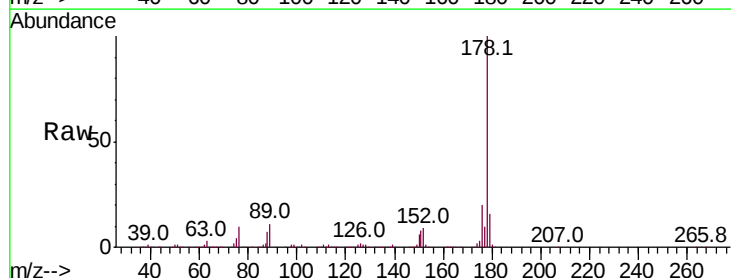
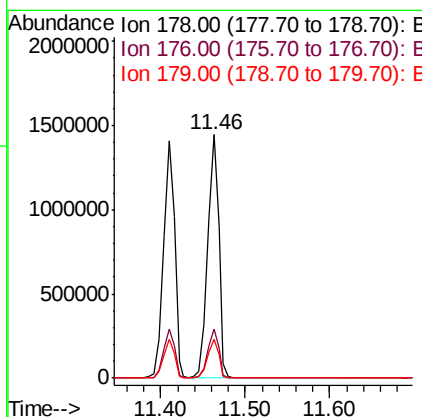
Manual Integrations
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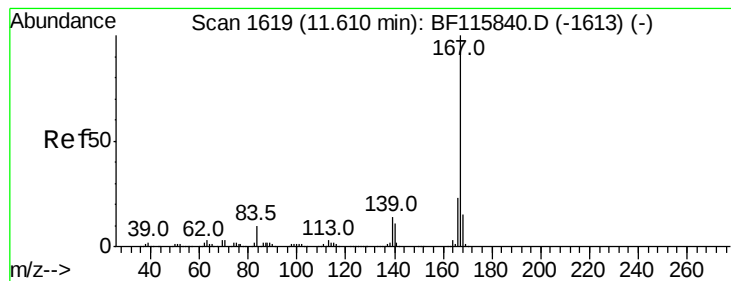
mohammad
8/8/2019 4:45:22 PM



#72
Anthracene
Concen: 45.054 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.7	23.5
179	16.2	12.4	18.6





#73

Carbazole

Concen: 44.981 ng

RT: 11.62 min Scan# 1620

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion:167 Resp: 1209141

Ion Ratio Lower Upper

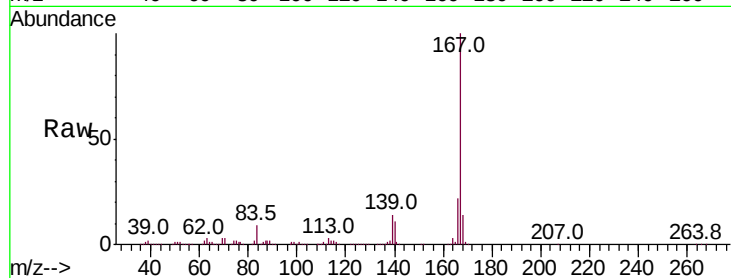
167 100

166 22.3 18.0 27.0

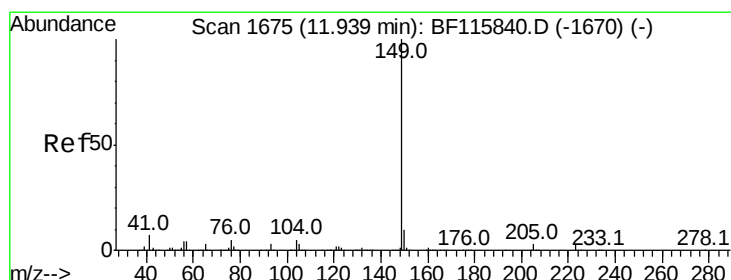
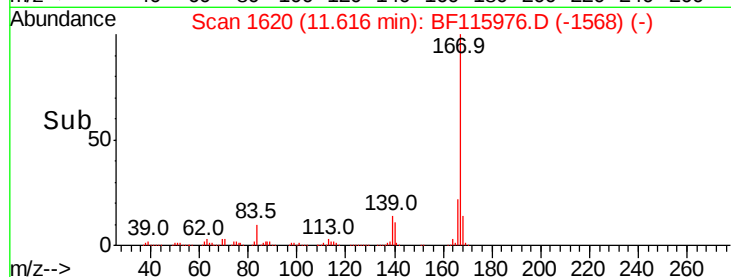
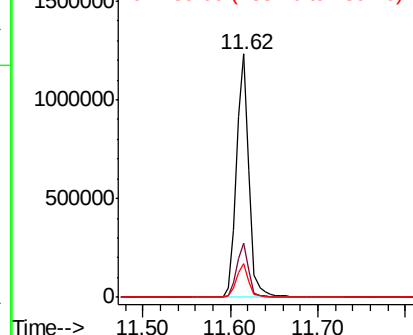
139 13.6 11.4 17.2

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 46.149 ng

RT: 11.94 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

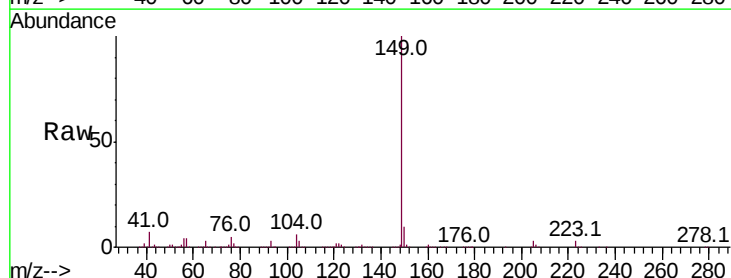
Tgt Ion:149 Resp: 1447148

Ion Ratio Lower Upper

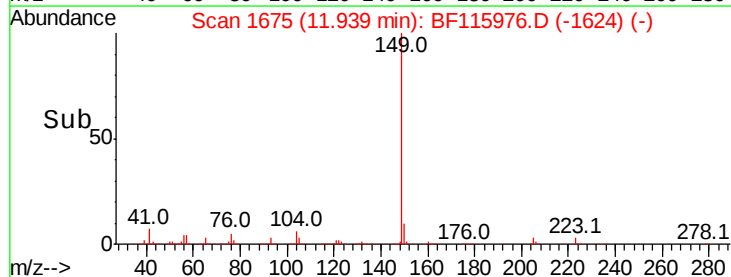
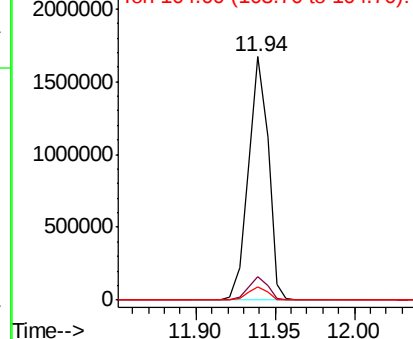
149 100

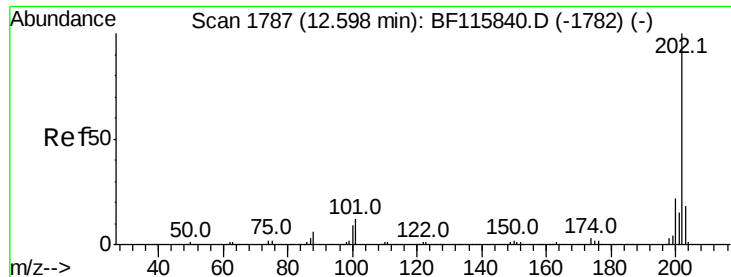
150 9.7 7.7 11.5

104 5.6 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





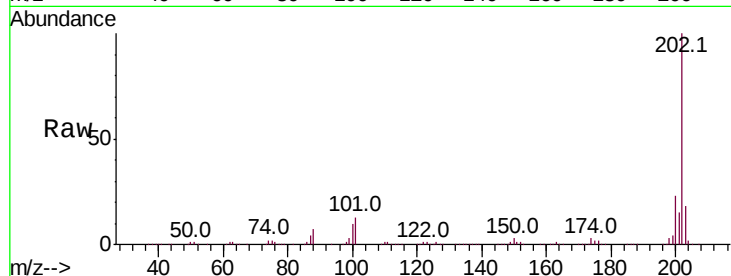
#75
Fluoranthene
 Concen: 44.199 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

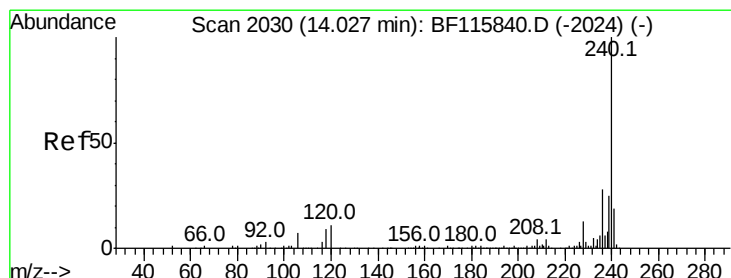
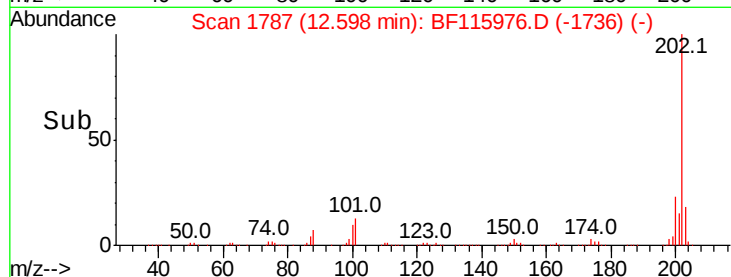
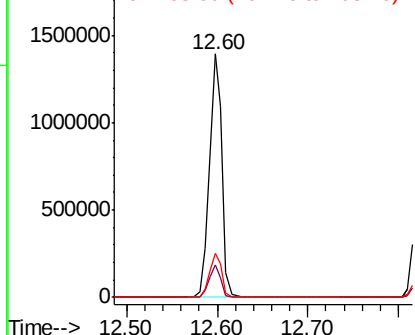
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.5
203	18.2	0.0	37.9

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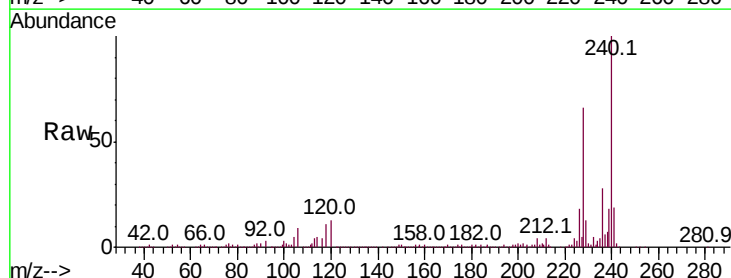


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

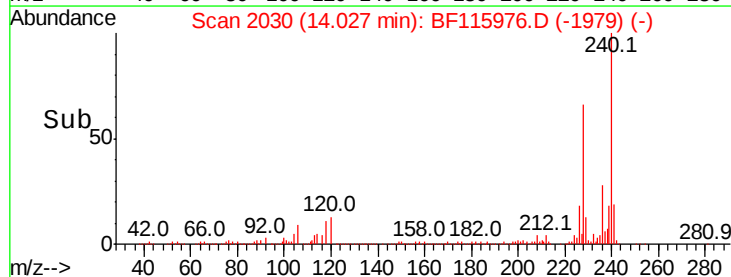
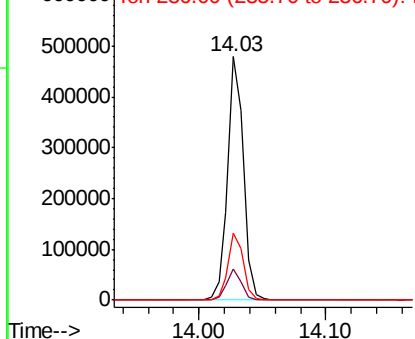


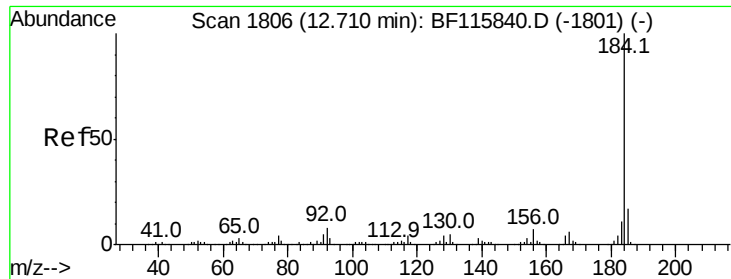
#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.5	12.7#
236	27.7	22.2	33.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 46.032 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion:184 Resp: 638703

Ion Ratio Lower Upper

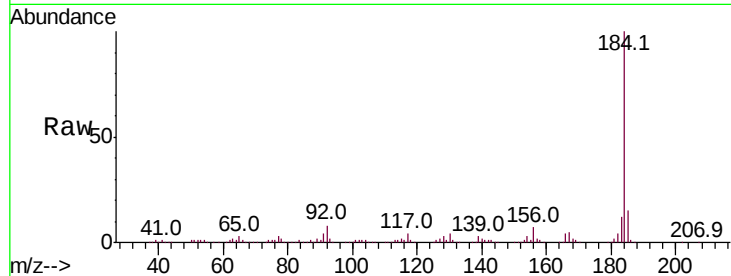
184 100

185 15.1 13.4 20.2

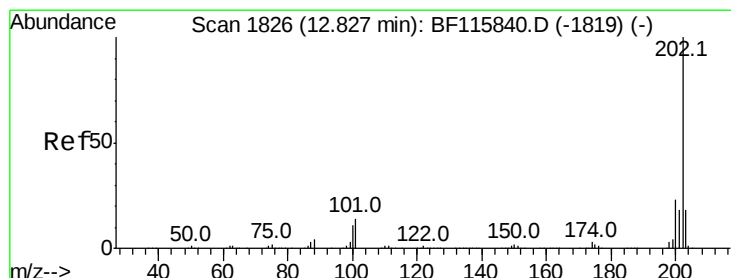
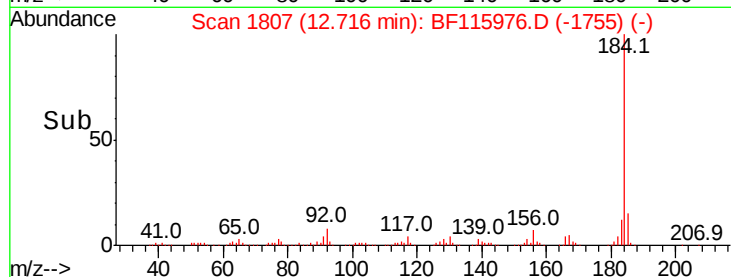
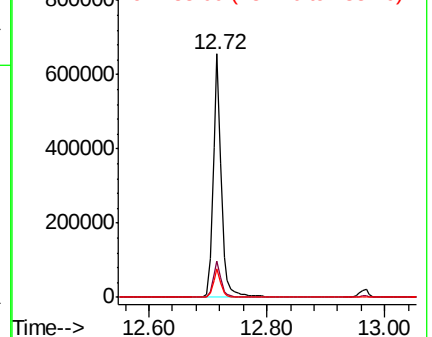
183 11.5 9.1 13.7

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.686 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

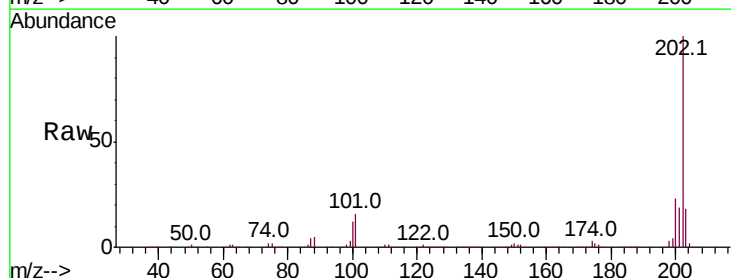
Tgt Ion:202 Resp: 1383452

Ion Ratio Lower Upper

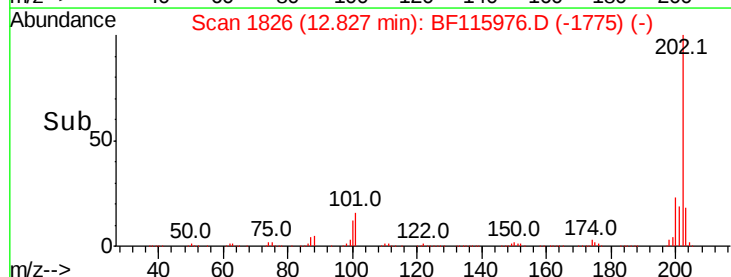
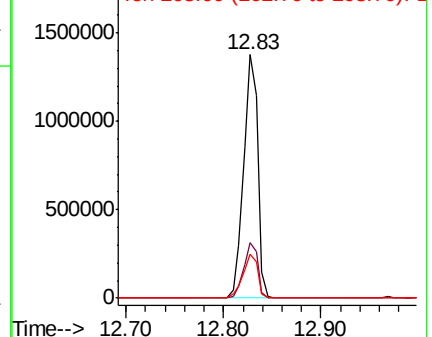
202 100

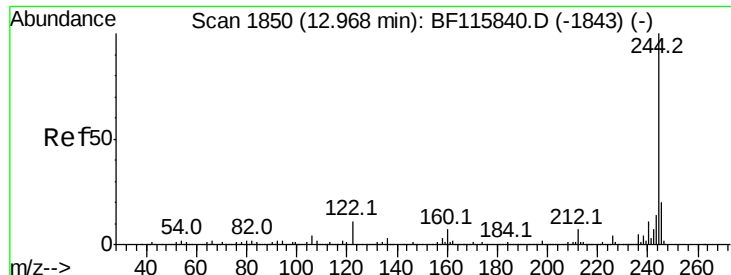
200 22.8 18.2 27.2

203 18.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





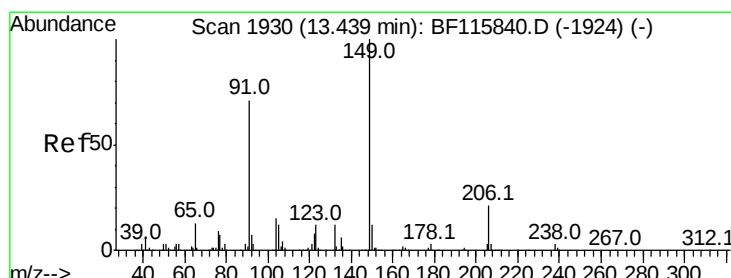
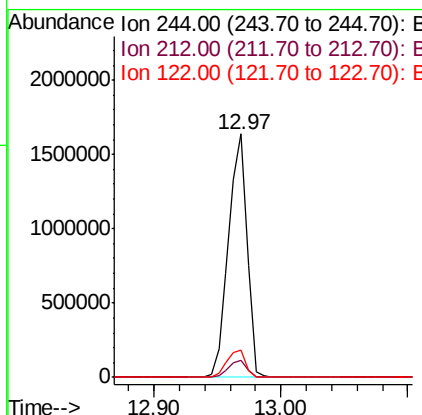
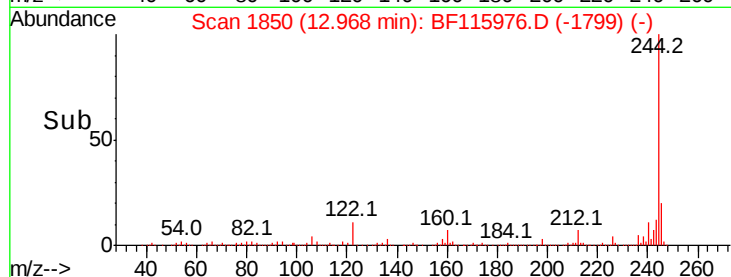
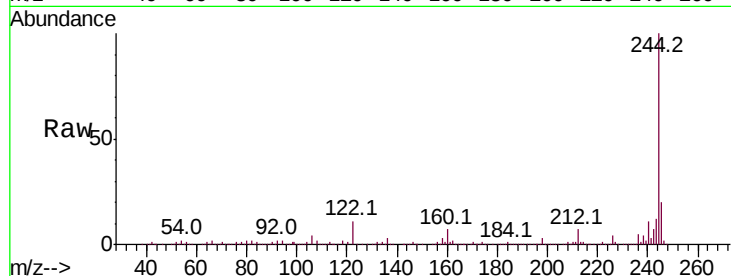
#79
 Terphenyl-d14
 Concen: 84.905 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	11.3	8.6	13.0

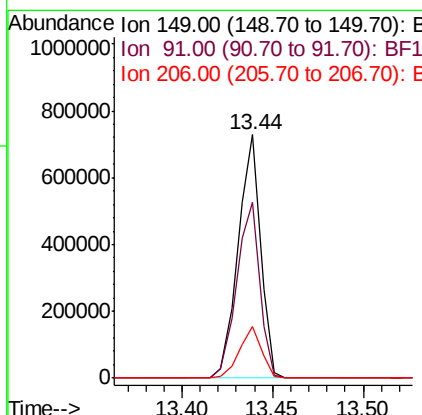
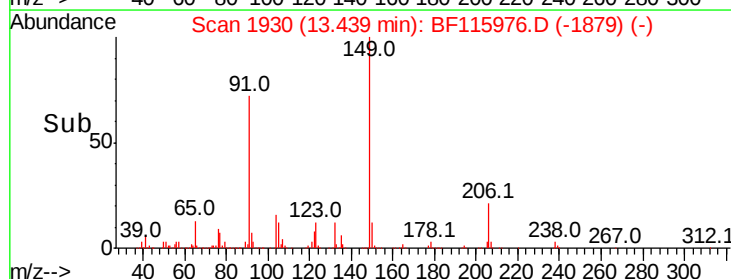
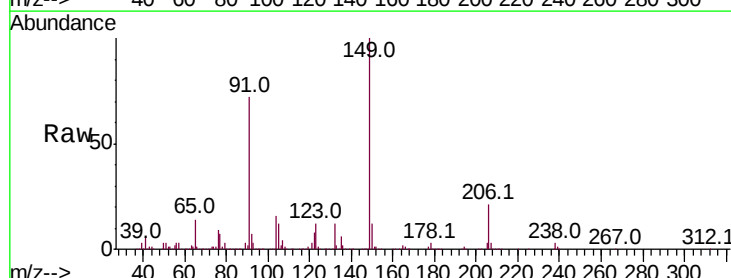
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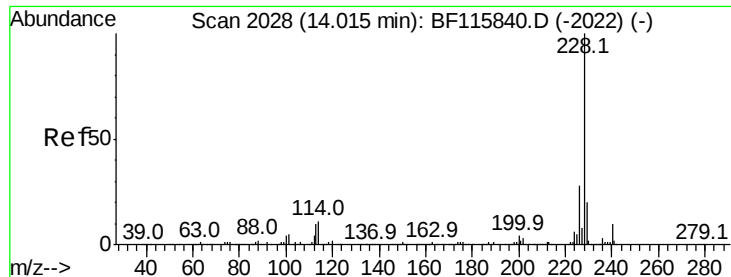
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#80
 Butylbenzylphthalate
 Concen: 47.988 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.4	57.0	85.6
206	21.0	16.9	25.3





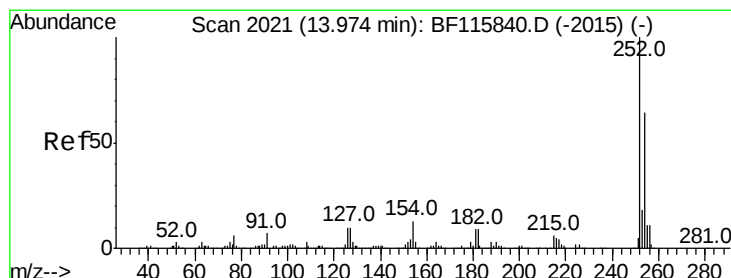
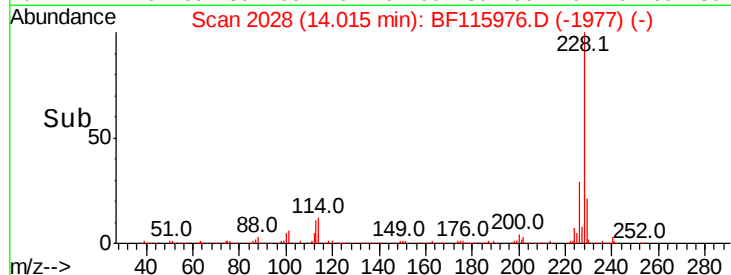
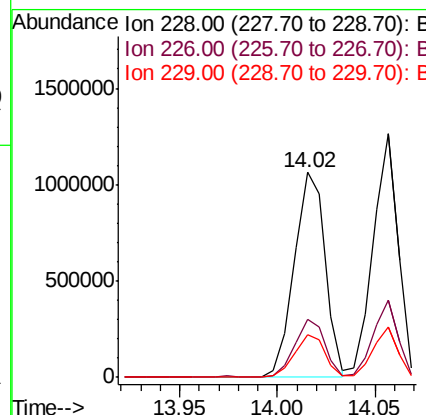
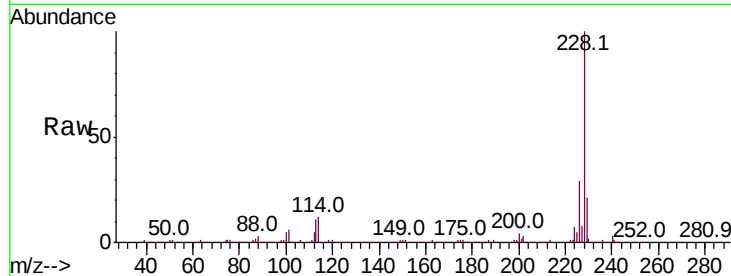
#81
Benzo(a)anthracene
Concen: 44.529 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.5	33.7
229	20.8	16.1	24.1

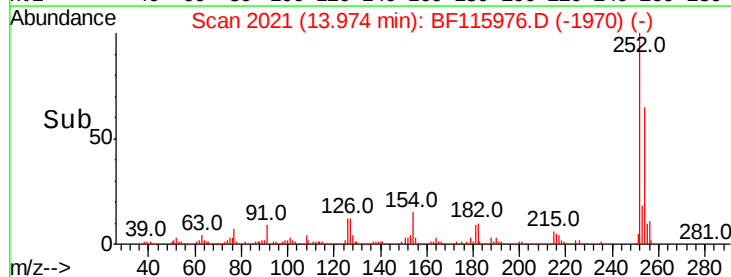
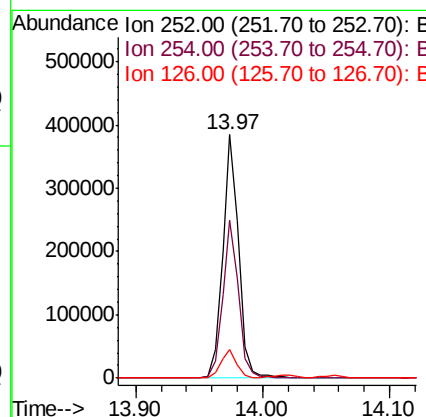
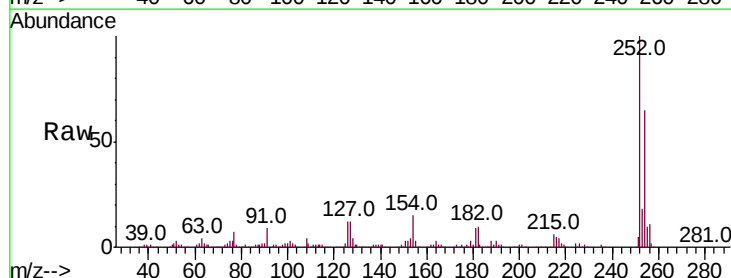
Manual Integrations
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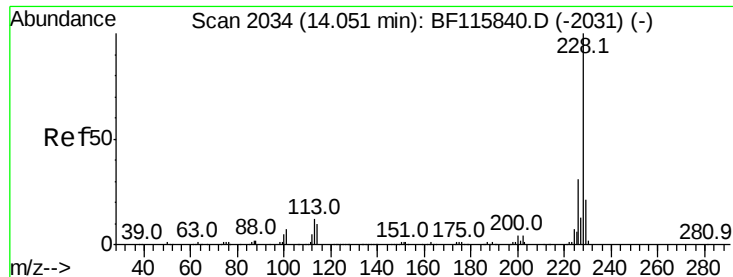
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 37.374 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.2	76.8
126	11.7	8.1	12.1





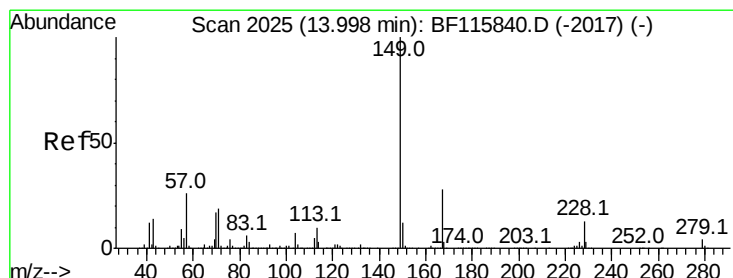
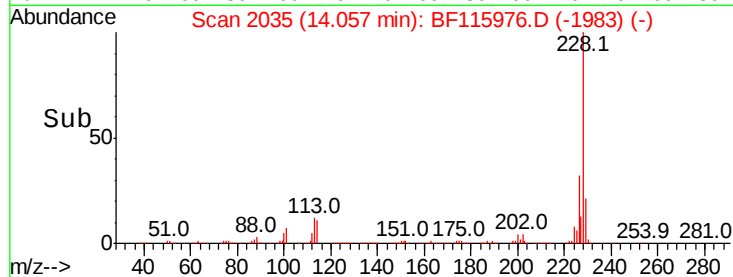
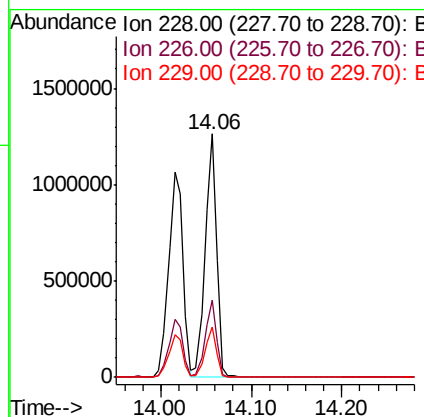
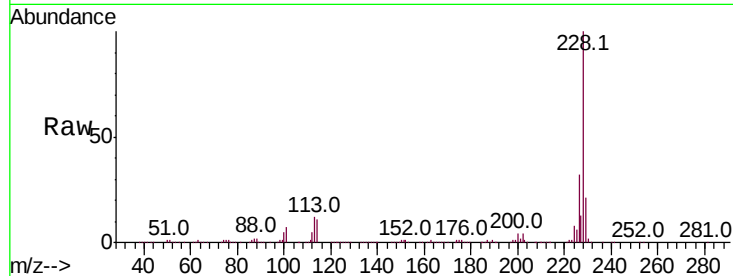
#83
 Chrysene
 Concen: 44.360 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.8	37.2
229	20.5	16.4	24.6

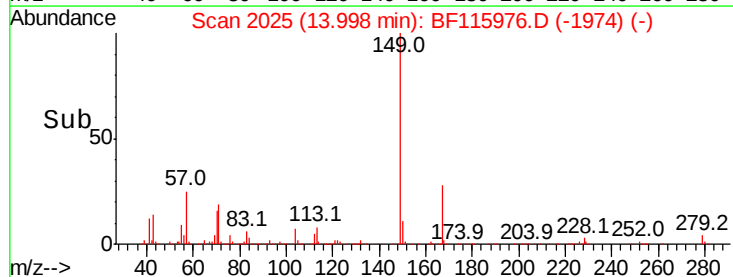
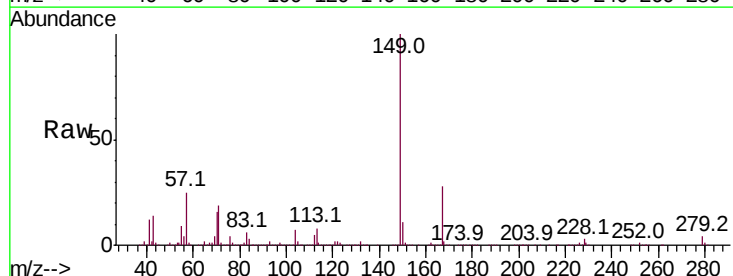
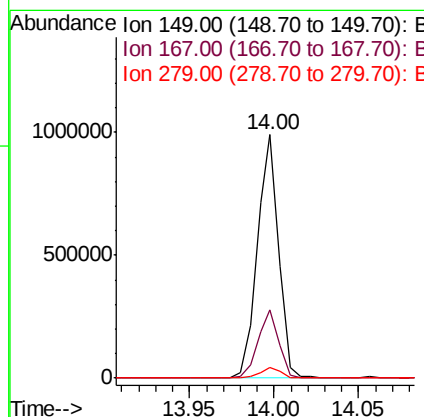
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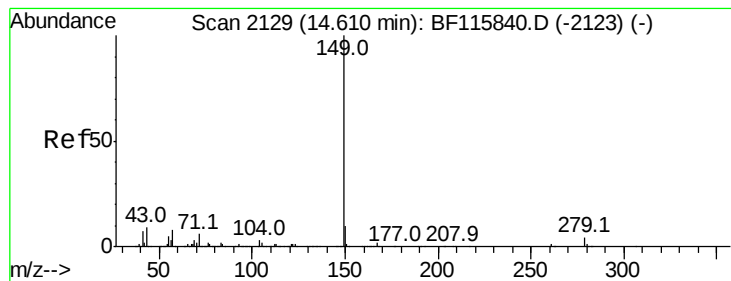
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 51.056 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	4.3	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 51.997 ng

RT: 14.61 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion:149 Resp: 1405528

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

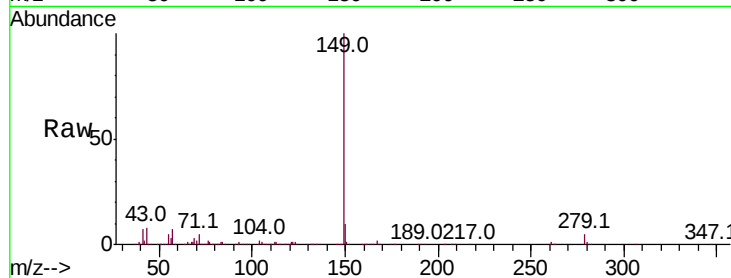
43 9.1 7.4 11.0

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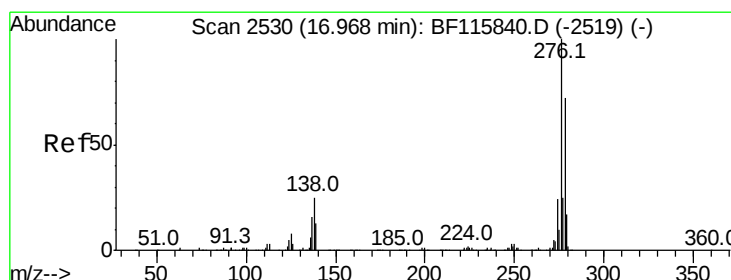
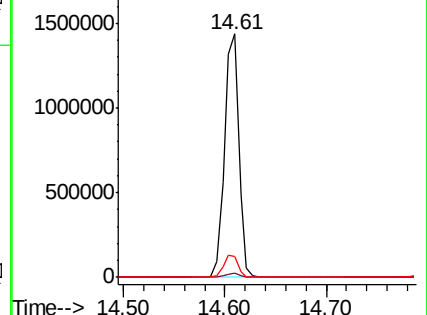
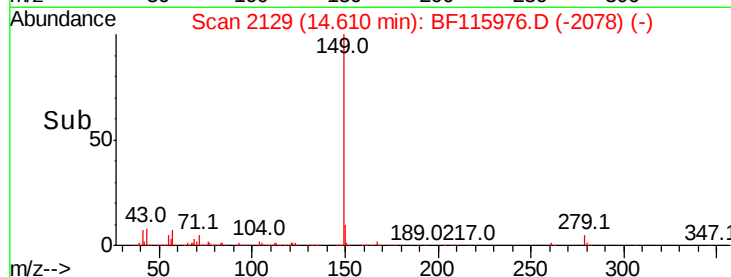
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 45.188 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.02 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

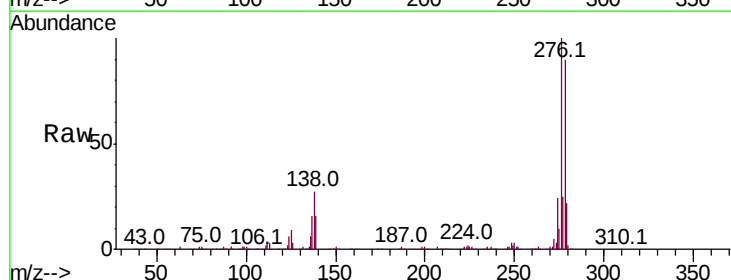
Tgt Ion:276 Resp: 967246

Ion Ratio Lower Upper

276 100

138 25.2 19.6 29.4

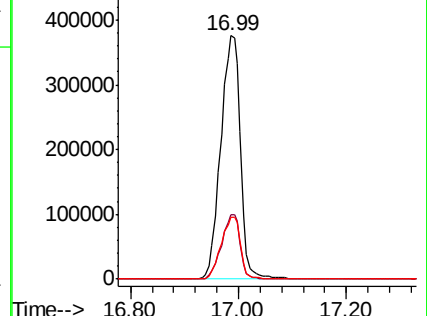
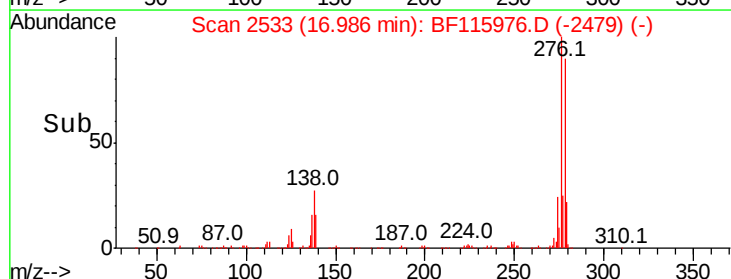
277 25.1 20.1 30.1

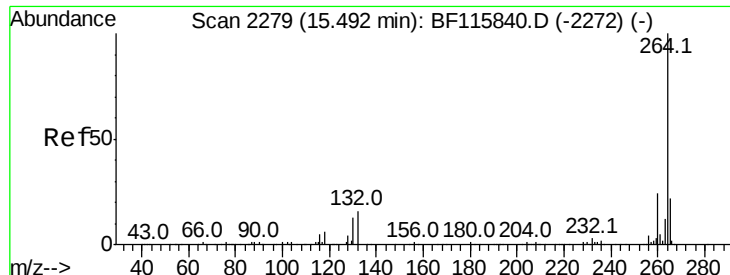


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

Tot Ion:264 Resp: 365595

Ion Ratio Lower Upper

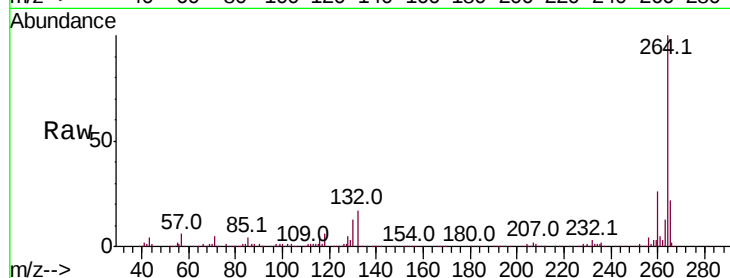
264 100

260 25.5 19.4 29.2

265 21.7 17.5 26.3

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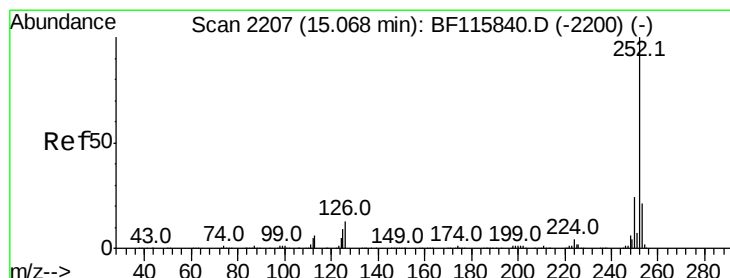
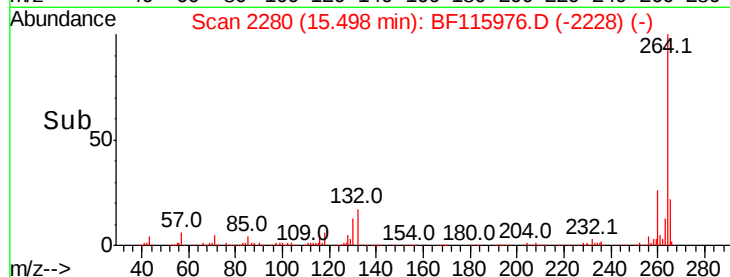
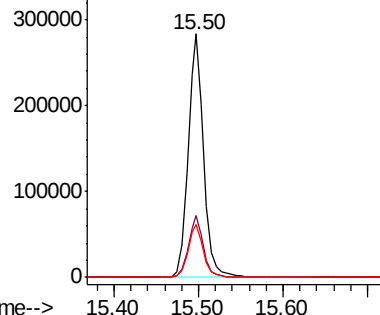
mohammad
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 52.505 ng

RT: 15.07 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

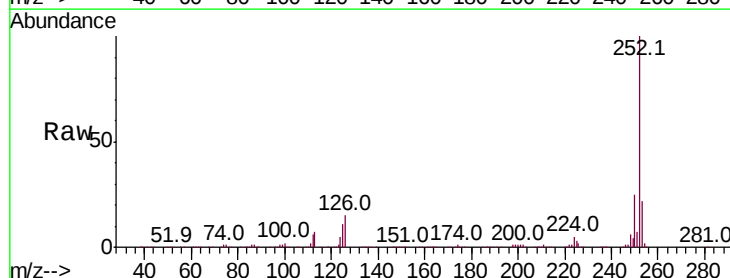
Tgt Ion:252 Resp: 1109904

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

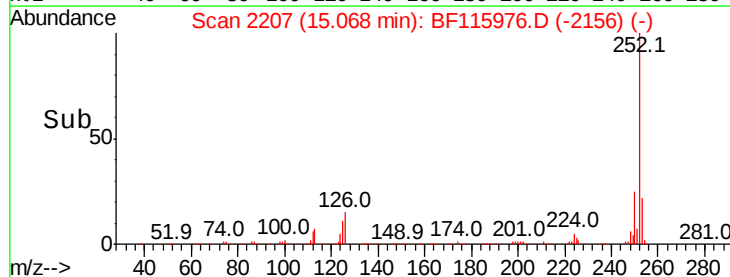
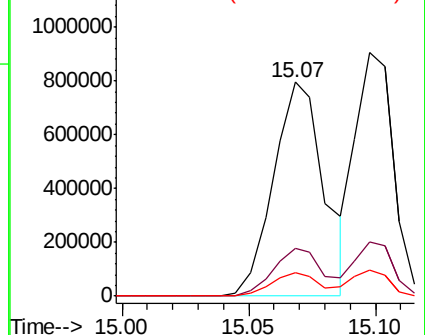
125 10.8 7.4 11.0

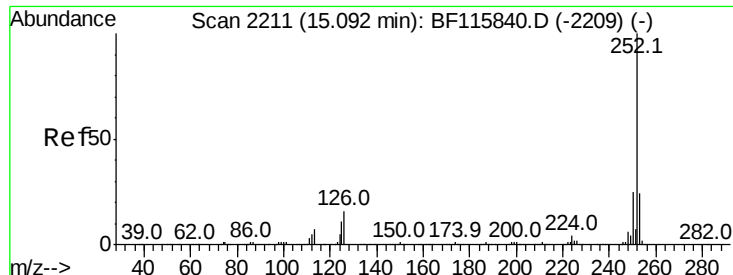


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





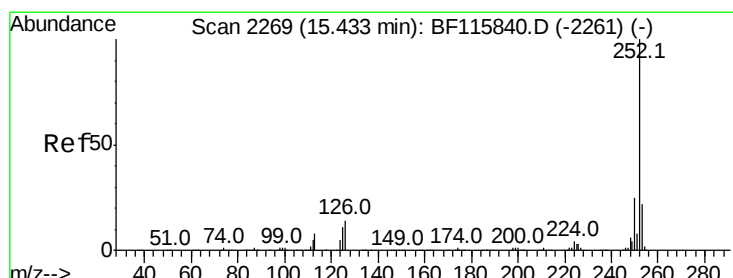
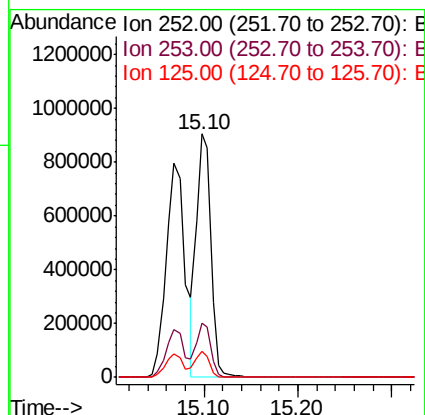
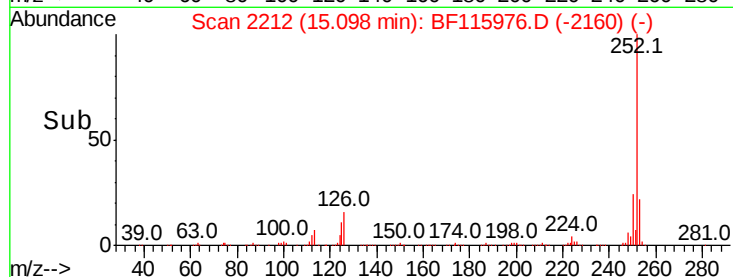
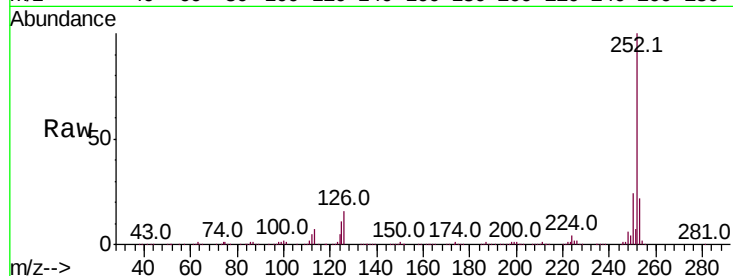
#89
Benzo(k)fluoranthene
Concen: 46.482 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	10.8	8.9	13.3

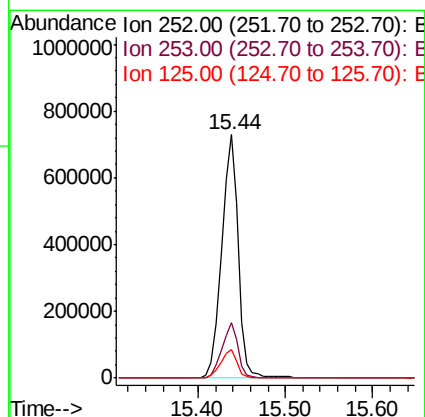
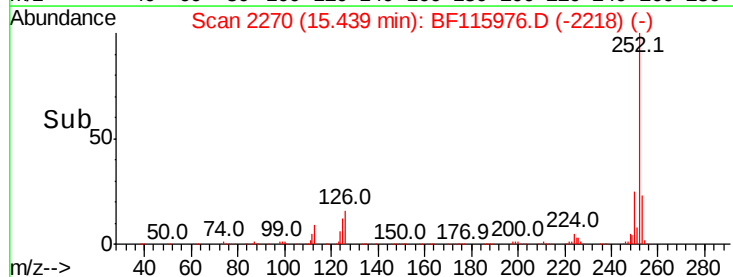
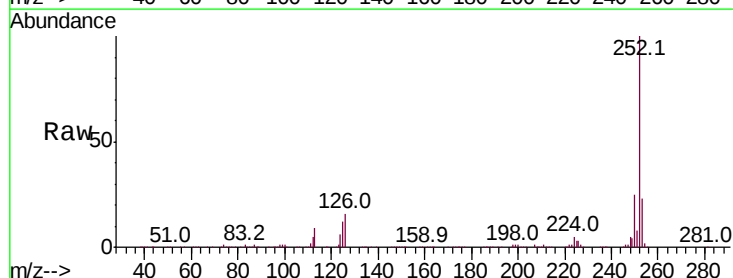
Manual Integrations
APPROVED

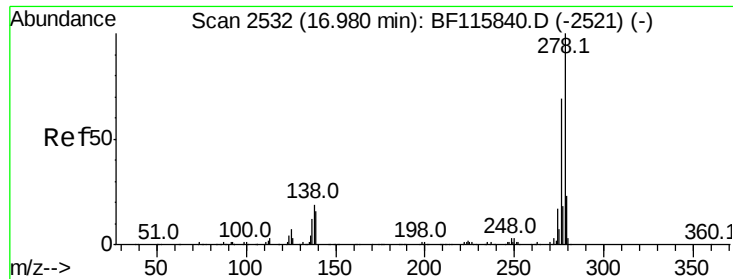
mohammad
8/8/2019 4:45:22 PM



#90
Benzo(a)pyrene
Concen: 50.603 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	11.7	8.8	13.2





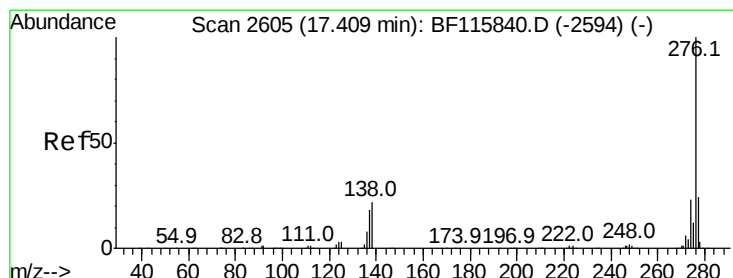
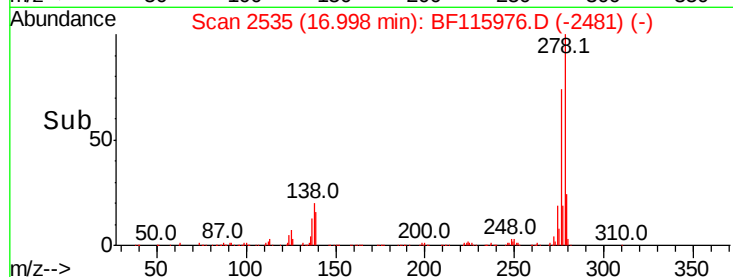
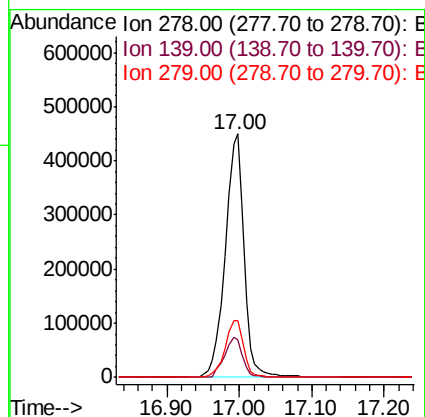
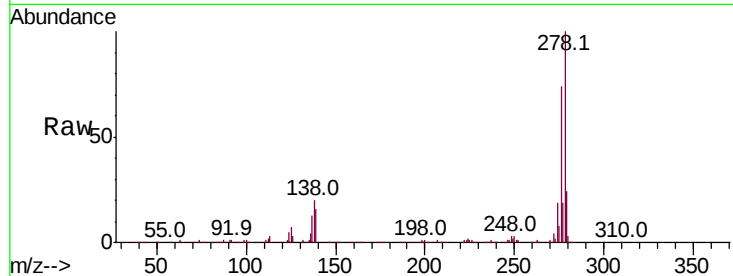
#91
Dibenzo(a,h)anthracene
Concen: 49.624 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.02 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.6	19.0
279	23.6	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/8/2019 4:45:22 PM



#92
Benzo(g,h,i)perylene
Concen: 49.265 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.5	29.3
138	22.6	17.8	26.8

