

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080319\
 Data File : BF115975.D
 Acq On : 3 Aug 2019 12:23
 Operator : HP/JU
 Sample : IDOC BS-SOIL01-RC
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Manual Integrations
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 8/8/2019 4:45:19 PM

Quant Time: Aug 05 01:48:08 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	140201	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	571706	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	320346	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	562185	20.00	ng	0.00
76) Chrysene-d12	14.03	240	408330	20.00	ng	0.00
87) Perylene-d12	15.50	264	363215	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	977711	116.74	ng	0.02
7) Phenol-d6	6.49	99	1246470	117.97	ng	0.00
23) Nitrobenzene-d5	7.42	82	827667	83.57	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	369302	118.91	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1445058	84.49	ng	0.00
79) Terphenyl-d14	12.97	244	1651582	85.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.71	88	174479	41.239	ng	99
3) Pyridine	3.45	79	452118	38.254	ng	100
4) n-Nitrosodimethylamine	3.40	42	197108	42.261	ng	99
6) Aniline	6.52	93	515115	34.041	ng	96
8) 2-Chlorophenol	6.65	128	430835	46.522	ng	97
9) Benzaldehyde	6.40	77	235317	32.276	ng	97
10) Phenol	6.50	94	544271	43.741	ng	91
11) bis(2-Chloroethyl)ether	6.59	93	414843	45.347	ng	99
12) 1,3-Dichlorobenzene	6.79	146	460552	43.031	ng	98
13) 1,4-Dichlorobenzene	6.87	146	470373	43.893	ng	99
14) 1,2-Dichlorobenzene	7.02	146	432139	43.794	ng	98
15) Benzyl Alcohol	7.00	79	366863	45.750	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	551649	44.209	ng	96
17) 2-Methylphenol	7.11	107	358416	45.706	ng	97
18) Hexachloroethane	7.36	117	172481	43.716	ng	96
19) n-Nitroso-di-n-propylamine	7.27	70	295945	45.198	ng	99
20) 3+4-Methylphenols	7.26	107	432805	46.640	ng	90
22) Acetophenone	7.26	105	583596	46.545	ng	97
24) Nitrobenzene	7.43	77	482740	45.140	ng	99
25) Isophorone	7.67	82	877895	46.355	ng	100
26) 2-Nitrophenol	7.75	139	238226	47.257	ng	100
27) 2,4-Dimethylphenol	7.79	122	393128	51.835	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	538060	45.838	ng	100
29) 2,4-Dichlorophenol	8.00	162	378442	47.258	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	408270	44.726	ng	98
31) Naphthalene	8.16	128	1239548	46.074	ng	100
32) Benzoic acid	7.95	122	228444	42.723	ng	96
33) 4-Chloroaniline	8.20	127	351955	29.279	ng	99
34) Hexachlorobutadiene	8.27	225	225394	42.868	ng	99
35) Caprolactam	8.59	113	118149m	45.618	ng	
36) 4-Chloro-3-methylphenol	8.70	107	403118	48.389	ng	99
37) 2-Methylnaphthalene	8.85	142	841861	47.514	ng	99
38) 1-Methylnaphthalene	8.95	142	782042	46.656	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	380252	44.400	ng	99

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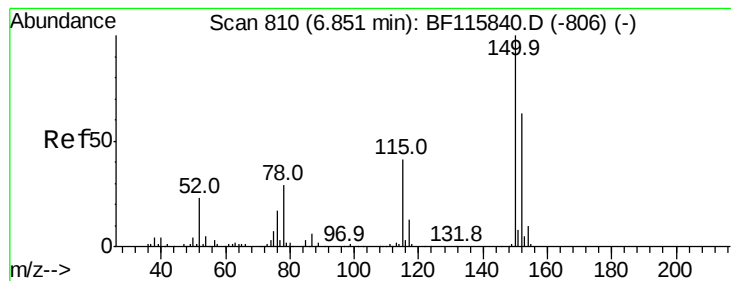
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	247553	65.544	ng	99
43) 2,4,6-Trichlorophenol	9.13	196	255574	43.356	ng	99
44) 2,4,5-Trichlorophenol	9.18	196	274197	44.998	ng	97
46) 1,1'-Biphenyl	9.32	154	1020713	45.132	ng	99
47) 2-Chloronaphthalene	9.35	162	805231	42.778	ng	99
48) 2-Nitroaniline	9.44	65	263961	42.425	ng	91
49) Acenaphthylene	9.76	152	1241607	45.212	ng	100
50) Dimethylphthalate	9.62	163	983426	45.087	ng	99
51) 2,6-Dinitrotoluene	9.68	165	218416	46.078	ng	# 86
52) Acenaphthene	9.93	154	731955	43.446	ng	99
53) 3-Nitroaniline	9.85	138	179715	30.684	ng	91
54) 2,4-Dinitrophenol	9.97	184	180896	75.518	ng	98
55) Dibenzofuran	10.10	168	1104127	45.066	ng	98
56) 4-Nitrophenol	10.03	139	326427	87.001	ng	99
57) 2,4-Dinitrotoluene	10.09	165	282779	44.807	ng	92
58) Fluorene	10.45	166	857901	45.512	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	229414	44.750	ng	98
60) Diethylphthalate	10.32	149	923853	45.366	ng	100
61) 4-Chlorophenyl-phenylether	10.43	204	429631	45.003	ng	98
62) 4-Nitroaniline	10.47	138	245522	40.563	ng	99
63) Azobenzene	10.60	77	957693	45.722	ng	97
65) 4,6-Dinitro-2-methylphenol	10.51	198	136466	45.806	ng	93
66) n-Nitrosodiphenylamine	10.56	169	771130	45.572	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	270728	44.985	ng	91
68) Hexachlorobenzene	11.00	284	298700	42.922	ng	95
69) Atrazine	11.09	200	251969	45.263	ng	99
70) Pentachlorophenol	11.20	266	290031	85.843	ng	99
71) Phenanthrene	11.41	178	1270437	44.204	ng	99
72) Anthracene	11.46	178	1315553	45.229	ng	98
73) Carbazole	11.62	167	1187049	44.984	ng	100
74) Di-n-butylphthalate	11.94	149	1439442	46.760	ng	99
75) Fluoranthene	12.60	202	1347345	44.780	ng	97
77) Benzidine	12.72	184	634181	45.971	ng	97
78) Pyrene	12.83	202	1356374	44.066	ng	99
80) Butylbenzylphthalate	13.44	149	616470	47.347	ng	98
81) Benzo(a)anthracene	14.02	228	1159488	44.427	ng	99
82) 3,3'-Dichlorobenzidine	13.97	252	335752	37.029	ng	99
83) Chrysene	14.06	228	1107003	43.689	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	849329	50.197	ng	100
85) Di-n-octyl phthalate	14.61	149	1367896	50.899	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	942546	44.290	ng	99
88) Benzo(b)fluoranthene	15.07	252	1086567	51.737	ng	97
89) Benzo(k)fluoranthene	15.10	252	959470	46.905	ng	97
90) Benzo(a)pyrene	15.44	252	959022	51.083	ng	99
91) Dibenzo(a,h)anthracene	16.99	278	789454	48.580	ng	98
92) Benzo(g,h,i)perylene	17.43	276	765461	47.962	ng	99

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



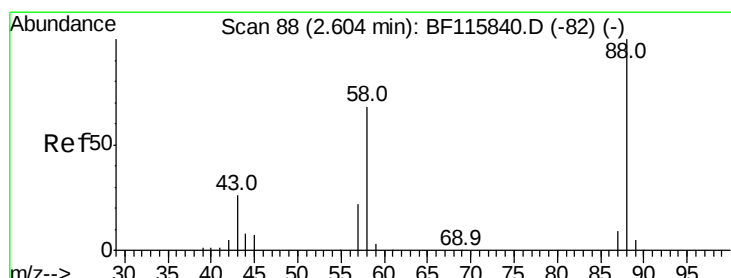
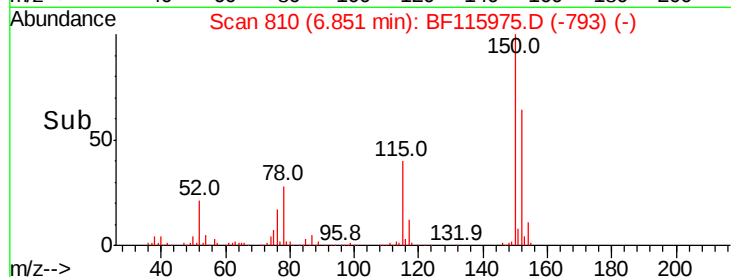
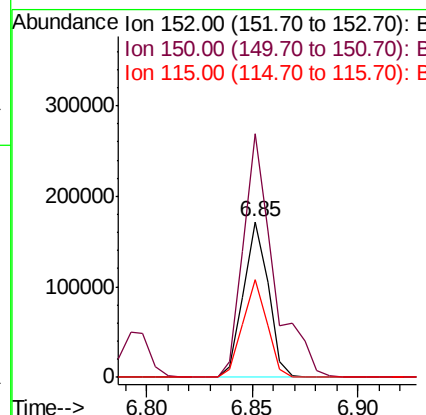
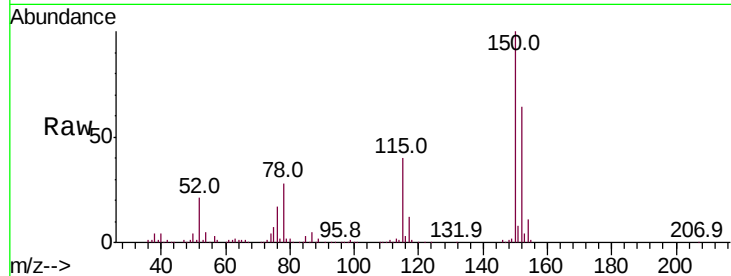
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.4	191.0
115	62.6	51.8	77.8

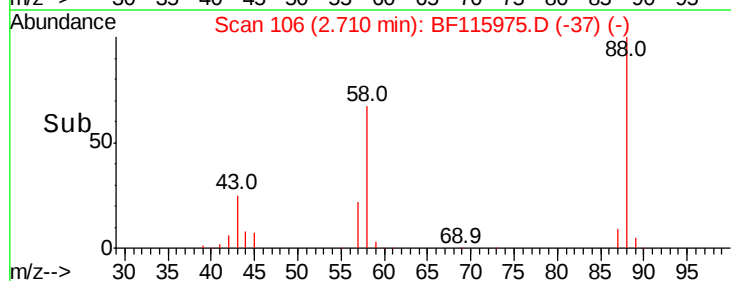
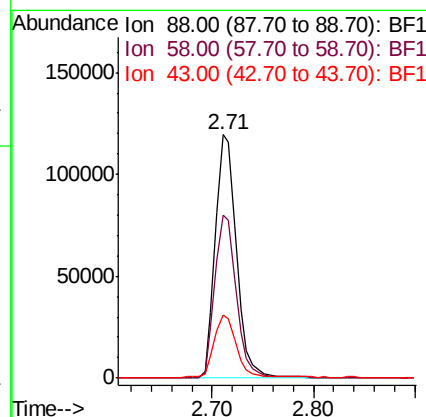
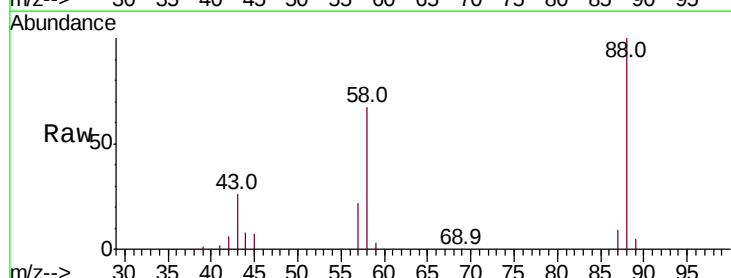
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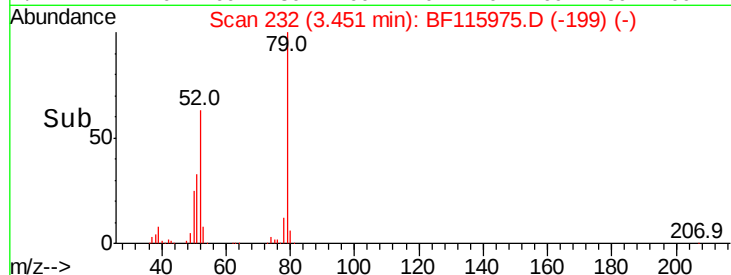
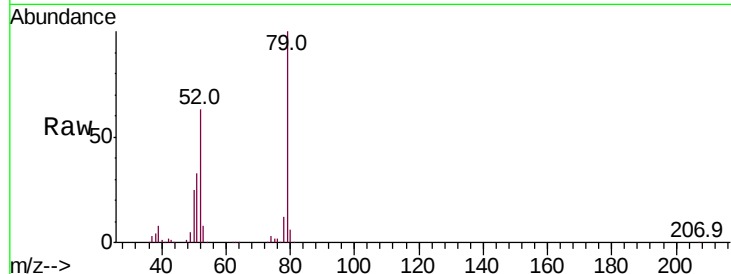
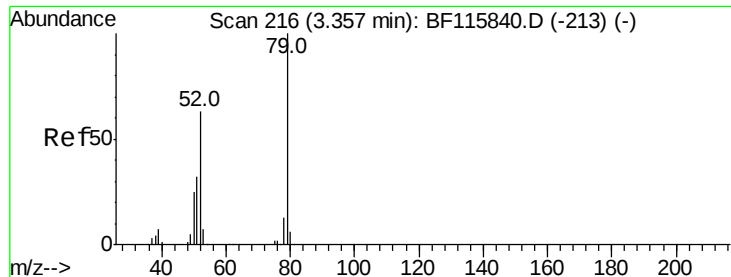
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#2
 1,4-Dioxane
 Concen: 41.239 ng
 RT: 2.71 min Scan# 106
 Delta R.T. 0.11 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.9	54.1	81.1
43	26.4	20.7	31.1





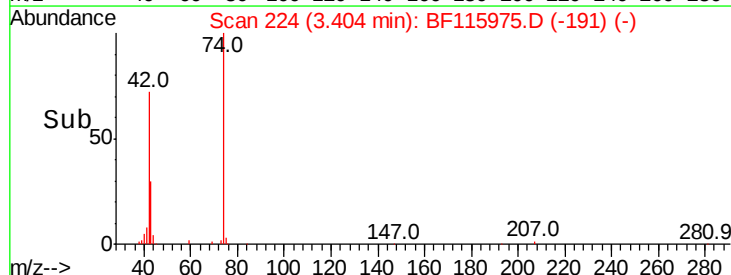
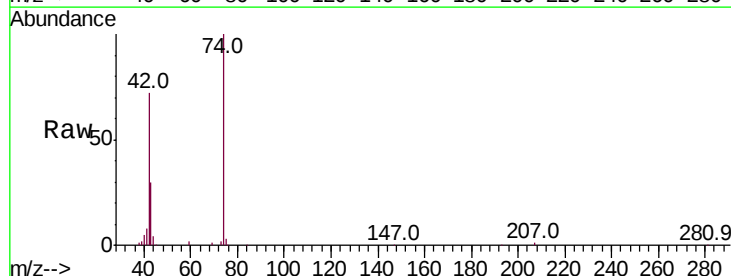
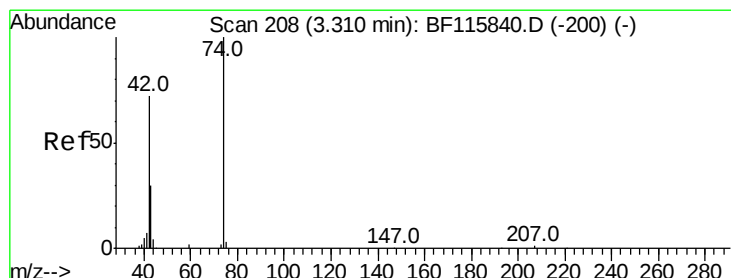
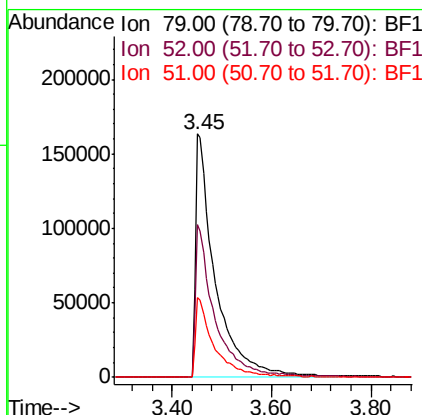
#3
Pvridine
Concen: 38.254 ng
RT: 3.45 min Scan# 232
Delta R.T. 0.09 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tot Ion	Ratio	Lower	Upper
79	100		
52	62.7	50.2	75.4
51	32.6	25.8	38.6

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

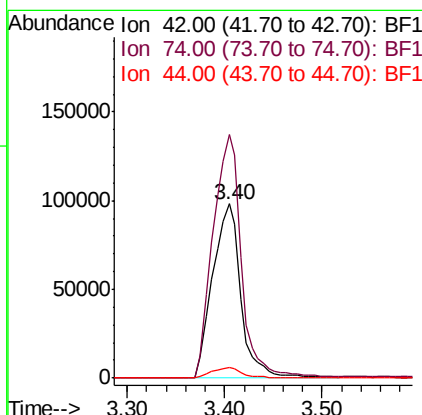
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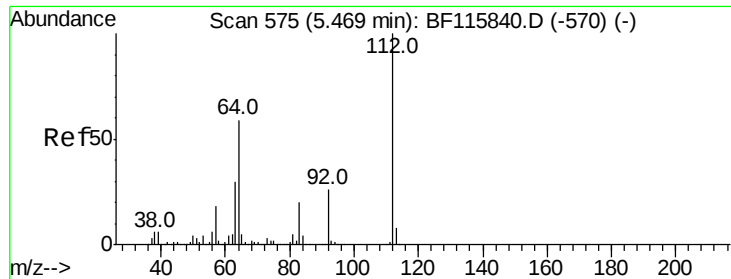
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#4
n-Nitrosodimethylamine
Concen: 42.261 ng
RT: 3.40 min Scan# 224
Delta R.T. 0.09 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
42	100		
74	139.8	111.0	166.4
44	6.0	4.7	7.1





#5

2-Fluorophenol

Concen: 116.743 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

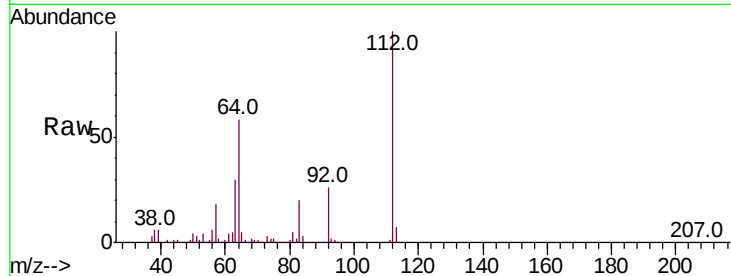
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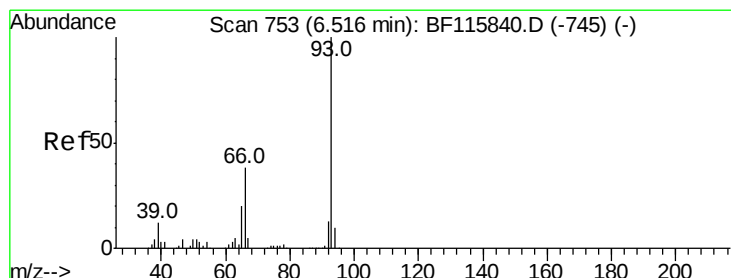
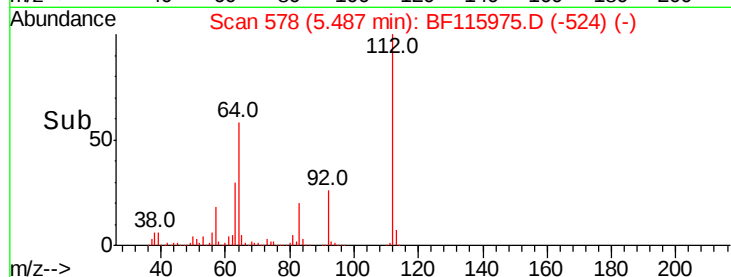
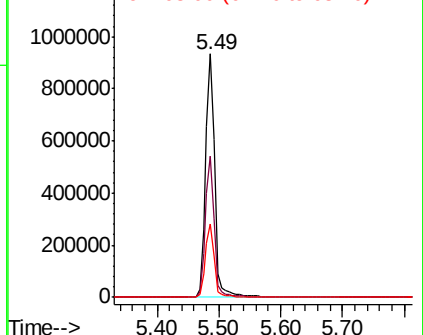
Tot Ion:	112	Resp:	977711
Ion Ratio	Lower	Upper	
112	100		
64	57.8	46.8	70.2
63	30.1	24.2	36.2

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Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 34.041 ng

RT: 6.52 min Scan# 753

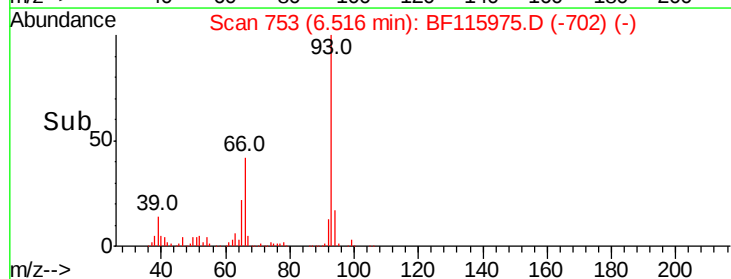
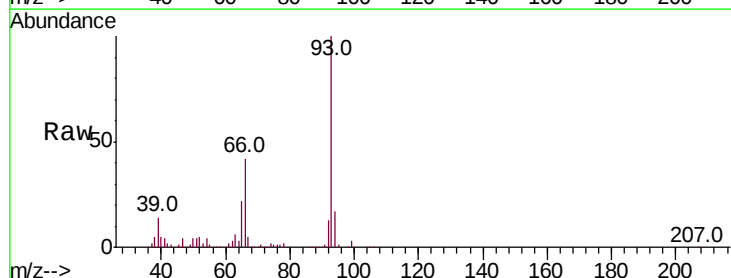
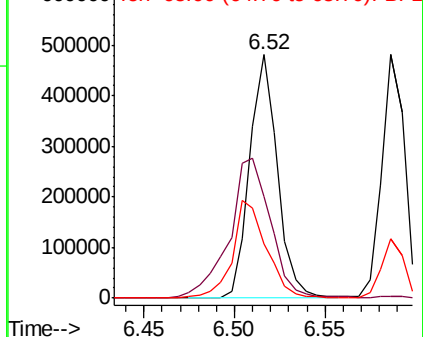
Delta R.T. 0.00 min

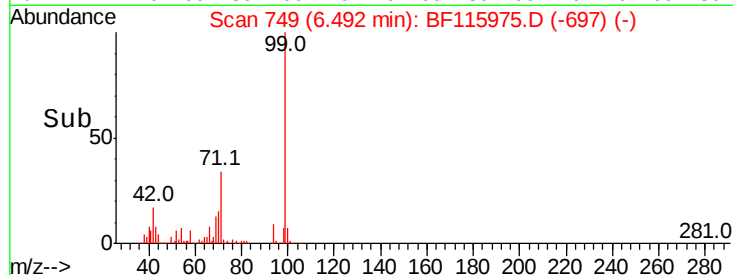
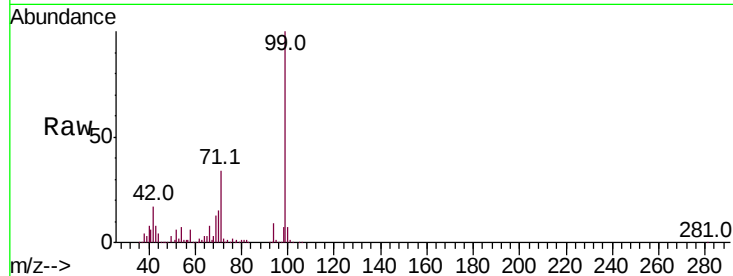
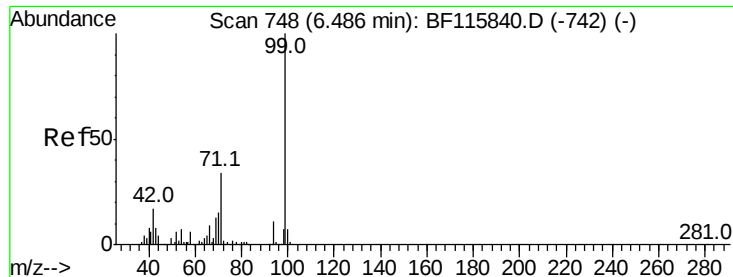
Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion:	93	Resp:	515115
Ion Ratio	Lower	Upper	
93	100		
66	41.6	31.4	47.0
65	22.3	16.5	24.7

Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 117.965 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tot Ion:	99	Resp:	1246470
Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.8	20.6
71	33.7	27.1	40.7

Instrument :

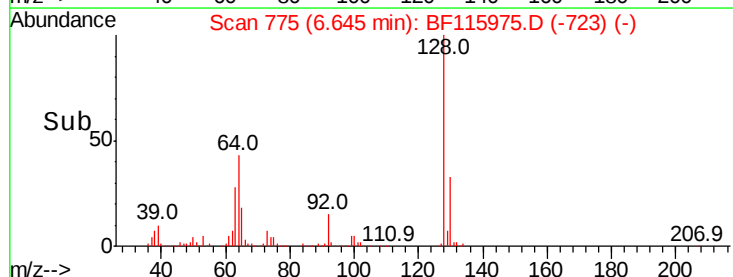
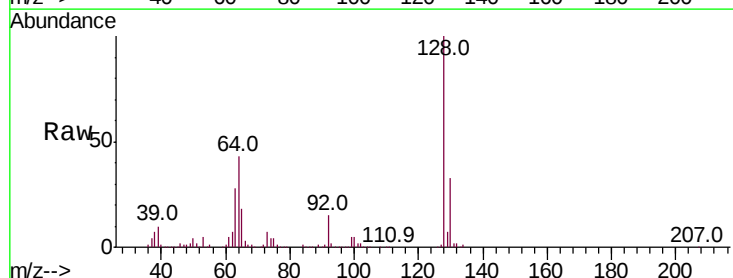
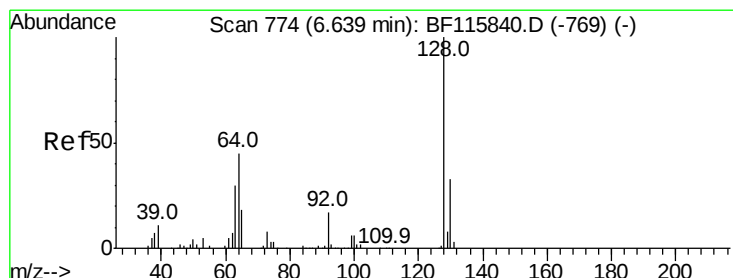
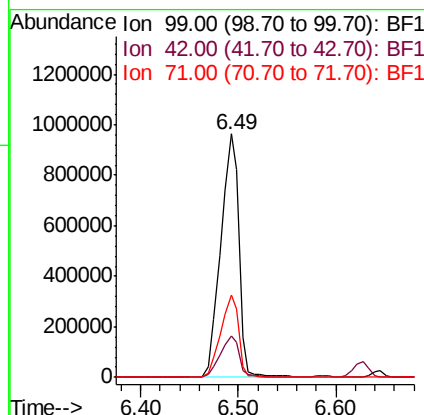
BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

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#8

2-Chlorophenol

Concen: 46.522 ng

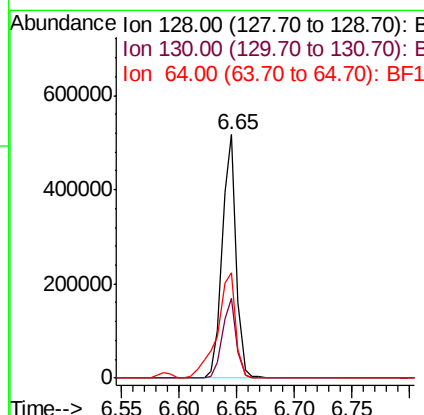
RT: 6.65 min Scan# 775

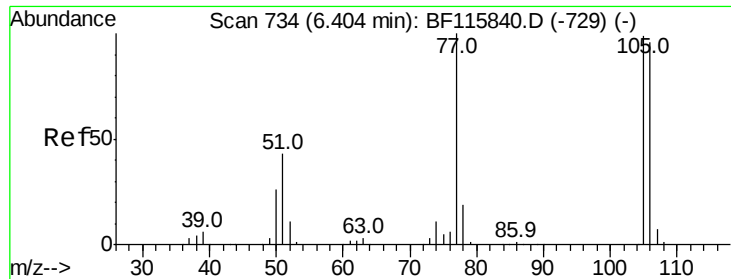
Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion:	128	Resp:	430835
Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.9	52.9
64	43.3	26.1	66.1





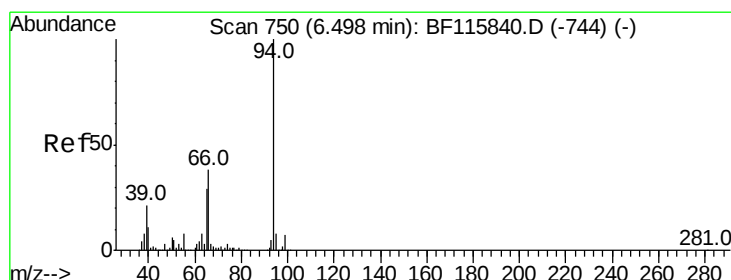
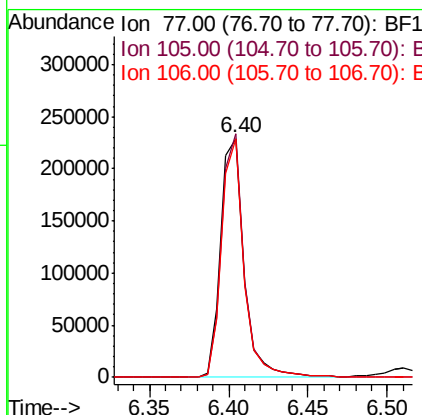
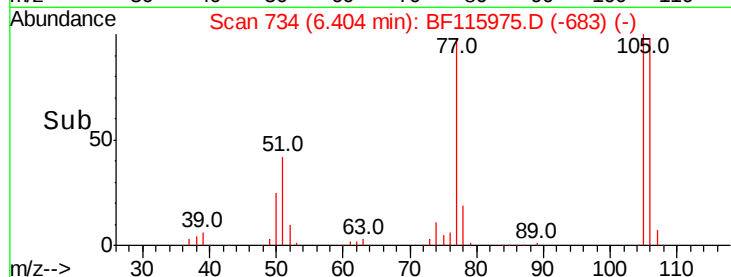
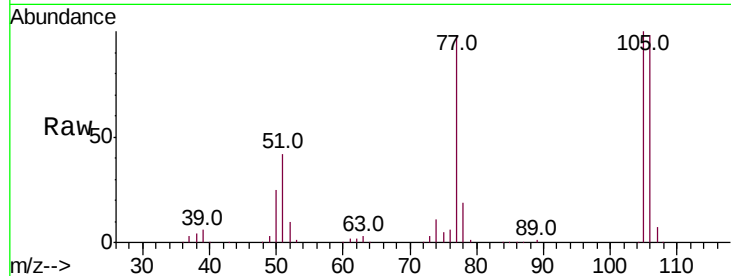
#9
Benzaldehyde
Concen: 32.276 ng
RT: 6.40 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
77	100		
105	102.0	79.0	119.0
106	99.8	76.2	116.2

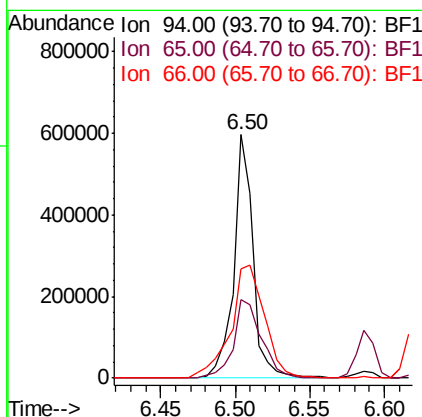
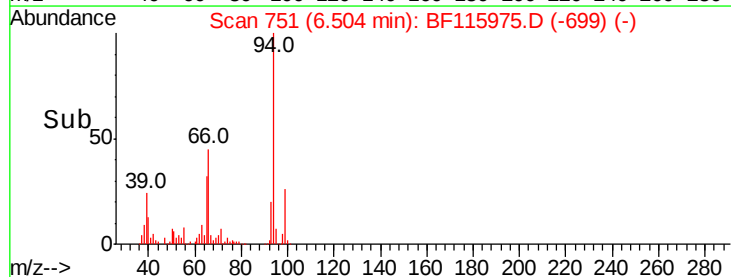
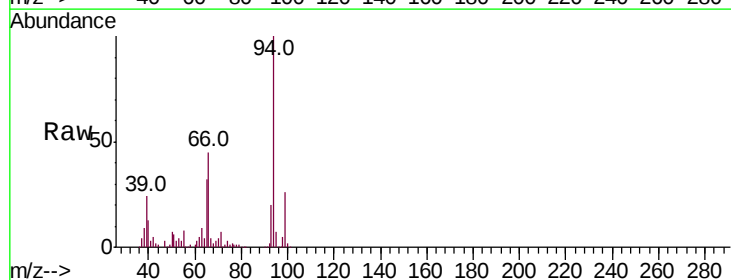
Manual Integrations
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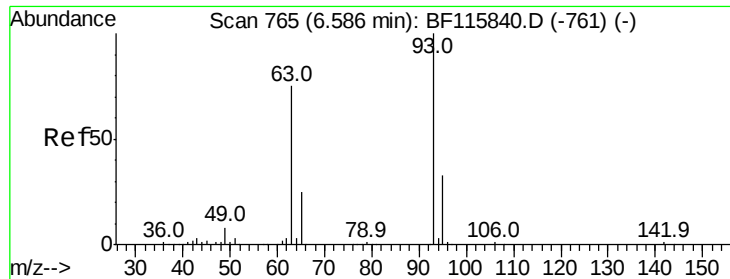
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#10
Phenol
Concen: 43.741 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.4	8.9	48.9
66	44.8	18.0	58.0





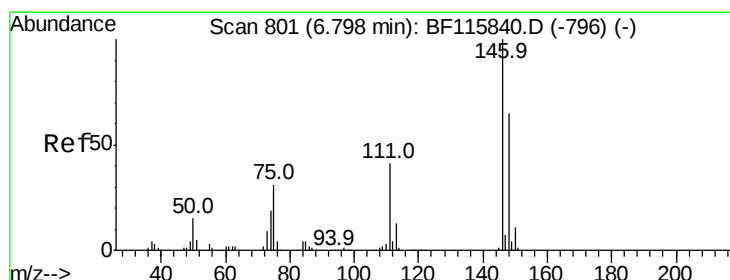
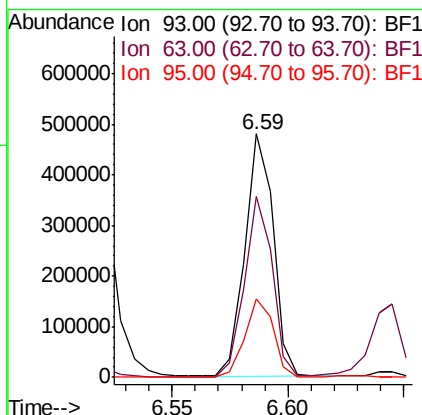
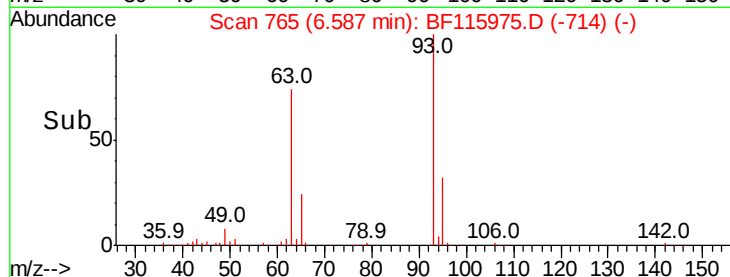
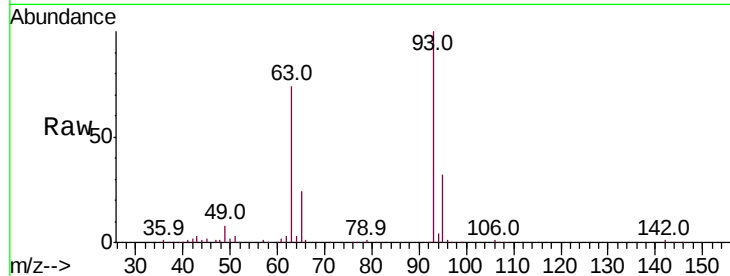
#11
 bis(2-Chloroethyl)ether
 Concen: 45.347 ng
 RT: 6.59 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tot Ion:	93	Resp:	414843
Ion Ratio	Lower	Upper	
93	100		
63	74.1	54.9	94.9
95	32.0	13.3	53.3

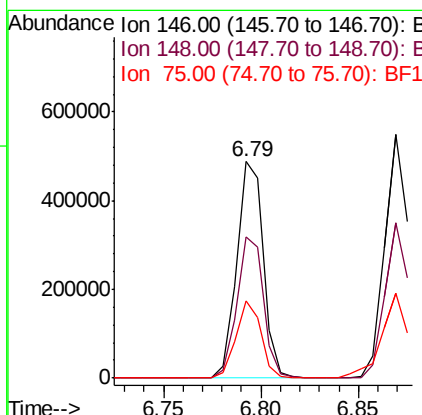
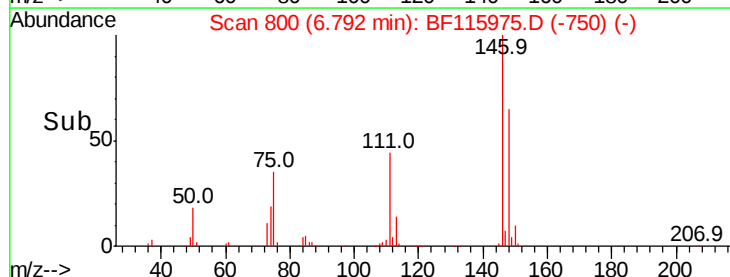
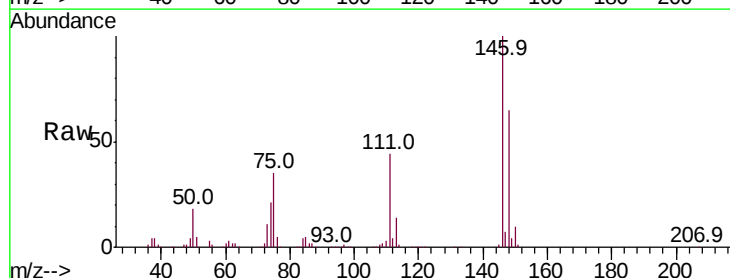
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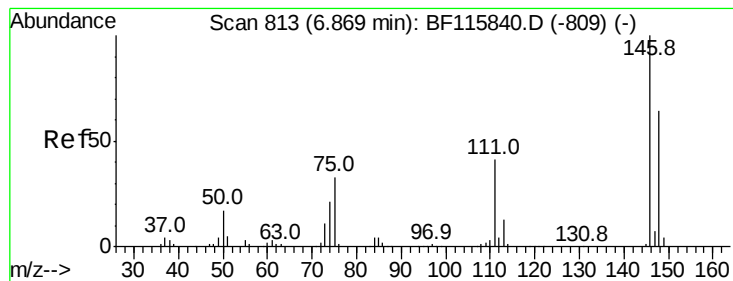
mohammad
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#12
 1,3-Dichlorobenzene
 Concen: 43.031 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion:	146	Resp:	460552
Ion Ratio	Lower	Upper	
146	100		
148	65.2	52.1	78.1
75	35.4	25.0	37.6





#13

1,4-Dichlorobenzene

Concen: 43.893 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

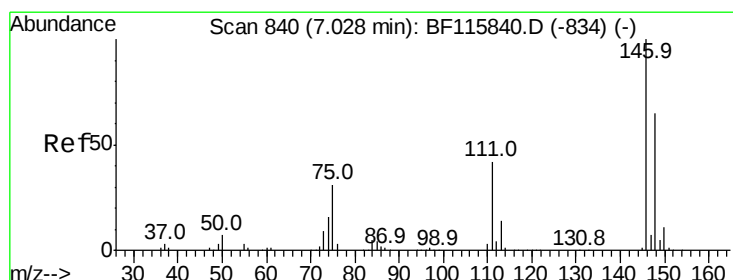
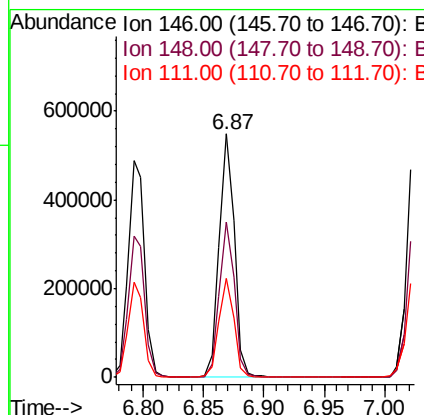
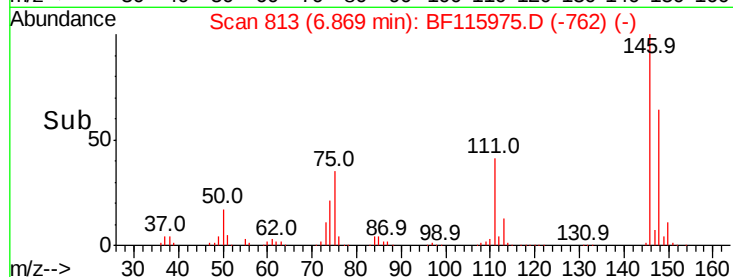
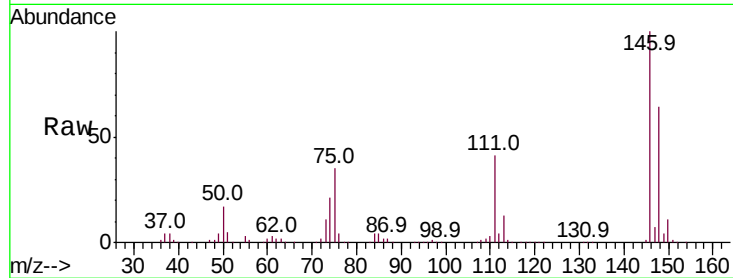
ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion:	146	Resp:	470373
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.2	76.8
111	40.9	33.2	49.8

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#14

1,2-Dichlorobenzene

Concen: 43.794 ng

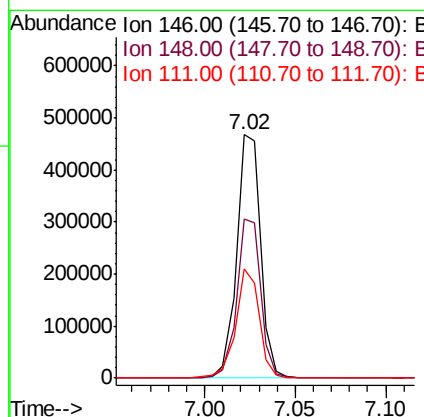
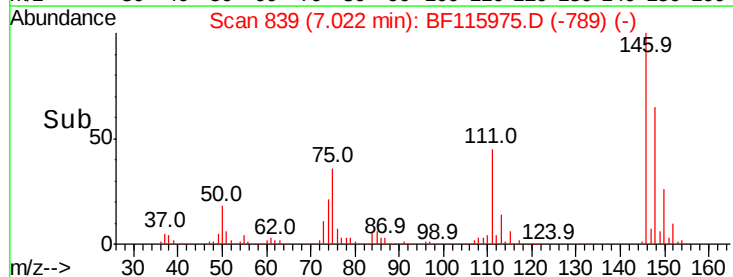
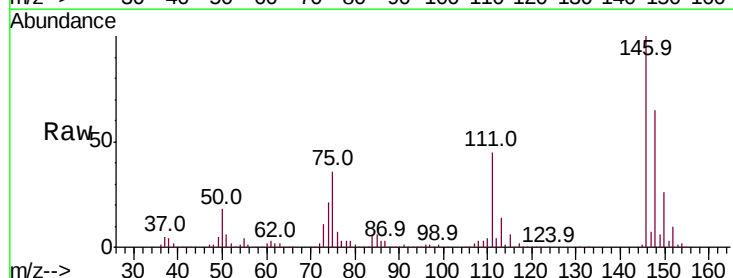
RT: 7.02 min Scan# 839

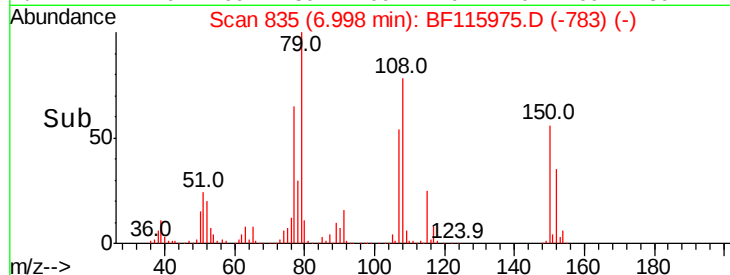
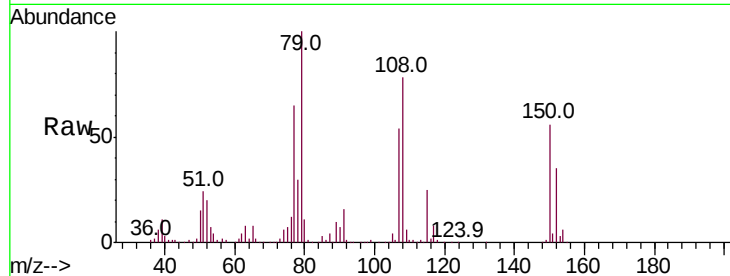
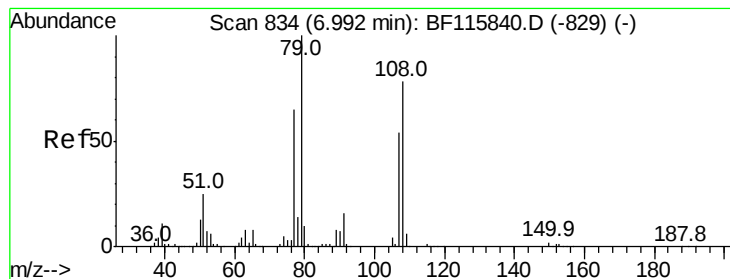
Delta R.T. -0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion:	146	Resp:	432139
Ion Ratio	Lower	Upper	
146	100		
148	65.3	51.6	77.4
111	45.0	33.6	50.4





#15

Benzyl Alcohol

Concen: 45.750 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tot Ion:	79	Resp:	366863
Ion Ratio	Lower	Upper	
79	100		
108	77.9	62.8	94.2
77	64.7	52.0	78.0

Instrument :

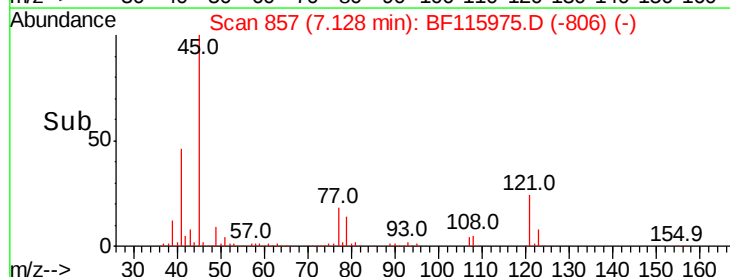
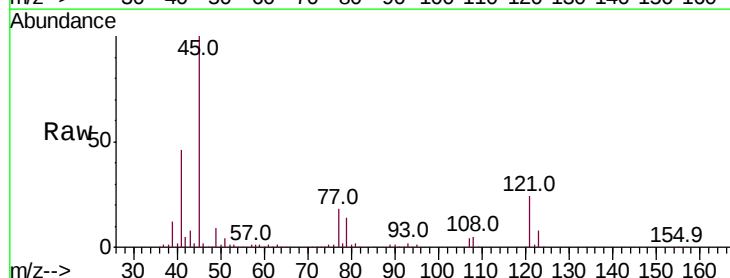
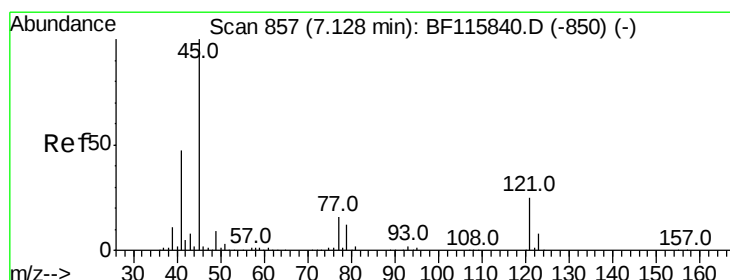
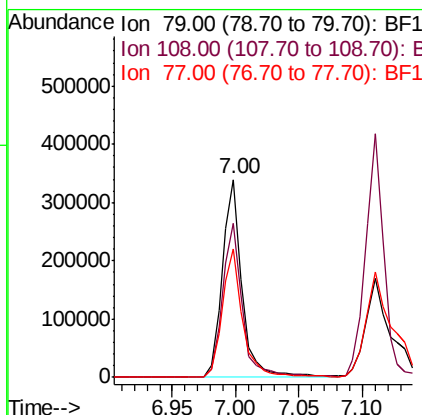
BNA_F

ClientSampled :

IDOC BS-SOIL01-RC

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.209 ng

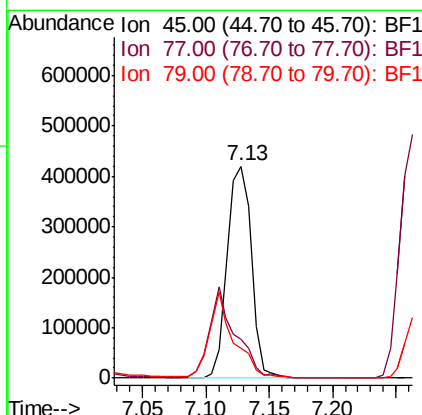
RT: 7.13 min Scan# 857

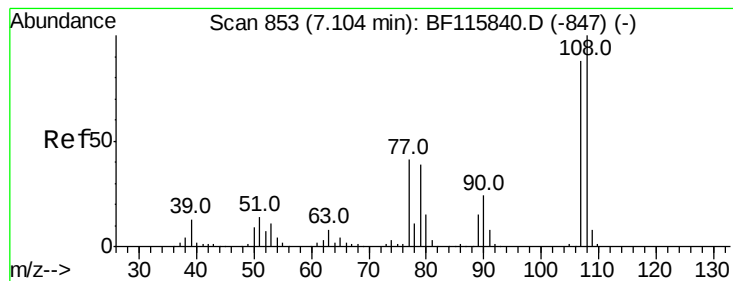
Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion:	45	Resp:	551649
Ion Ratio	Lower	Upper	
45	100		
77	18.1	0.0	36.3
79	14.2	0.0	32.5





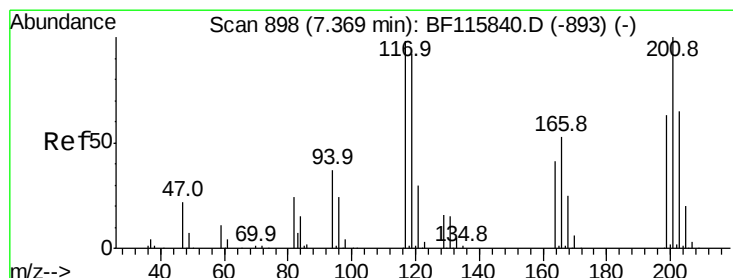
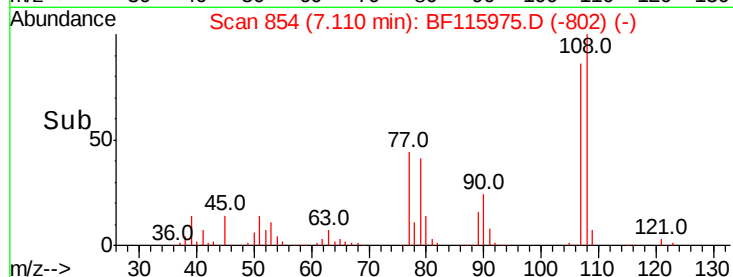
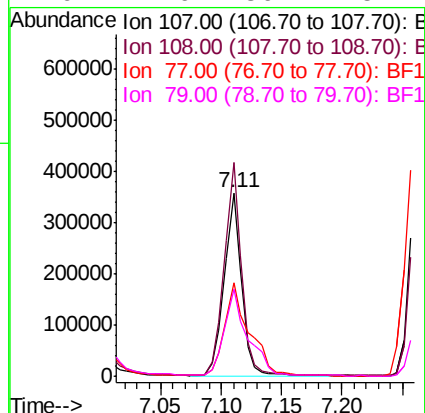
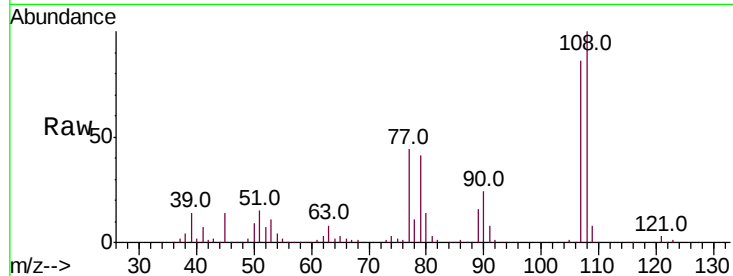
#17
2-Methylphenol
Concen: 45.706 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	107	Resp	358416
Ion Ratio	Lower	Upper	
107	100		
108	116.6	91.4	137.0
77	50.7	37.6	56.4
79	47.6	36.2	54.4

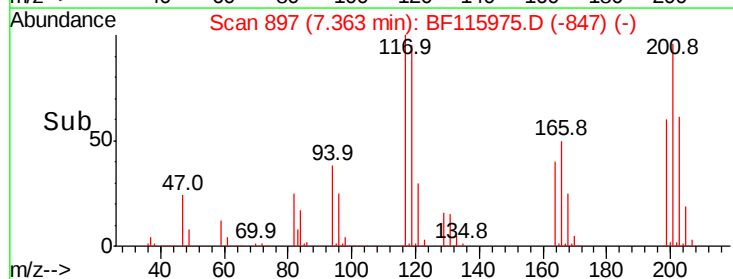
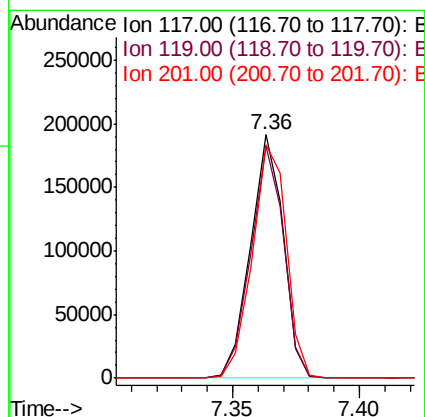
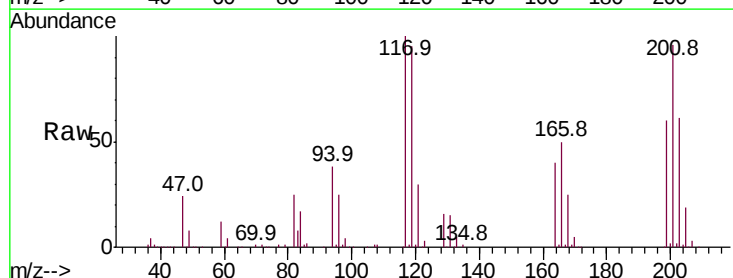
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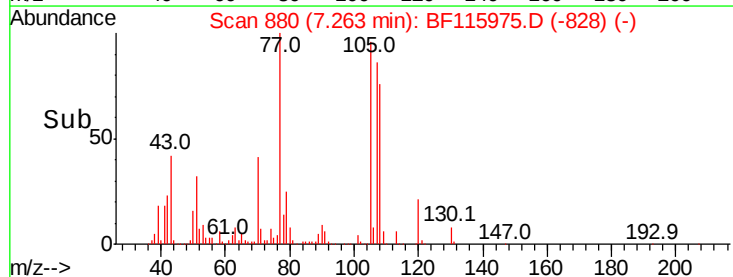
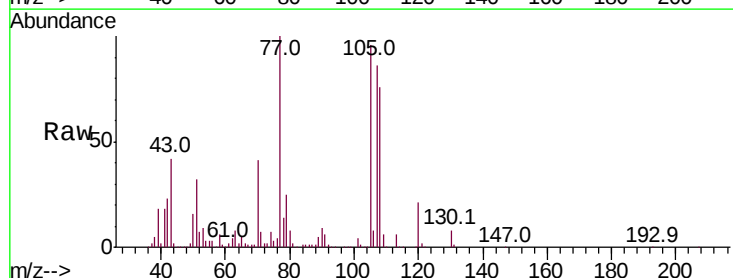
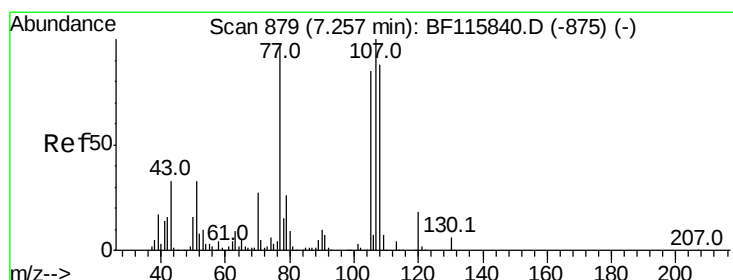
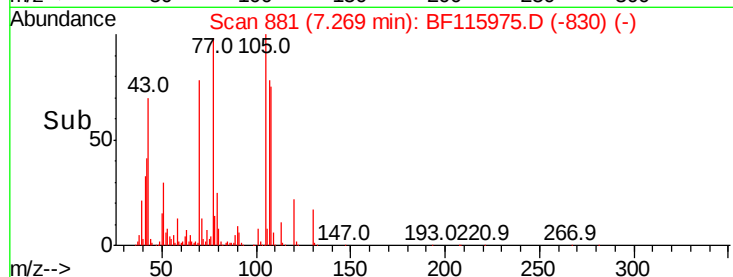
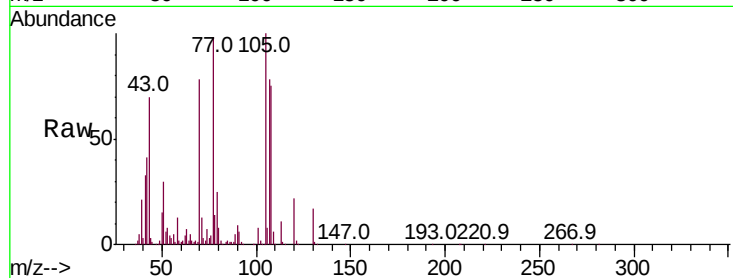
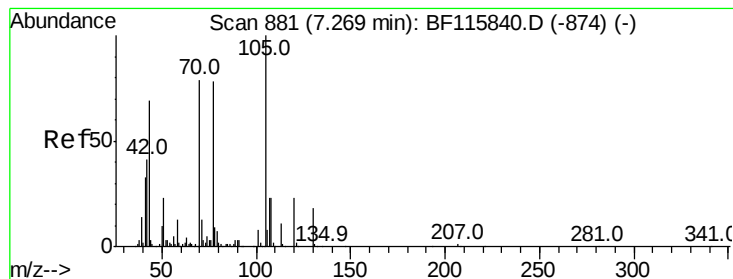
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#18
Hexachloroethane
Concen: 43.716 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	117	Resp	172481
Ion Ratio	Lower	Upper	
117	100		
119	95.1	75.8	113.6
201	95.6	82.0	123.0





#19

n-Nitroso-di-n-propylamine

Concen: 45.198 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion: 70 Resp: 295945

Ion Ratio Lower Upper

70 100

42 52.6 41.8 62.8

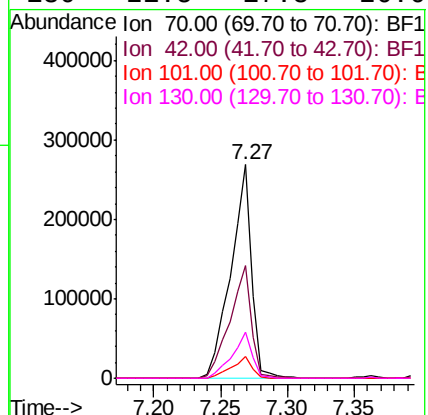
101 10.0 7.7 11.5

130 21.5 17.8 26.6

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#20

3+4-Methylphenols

Concen: 46.640 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion:107 Resp: 432805

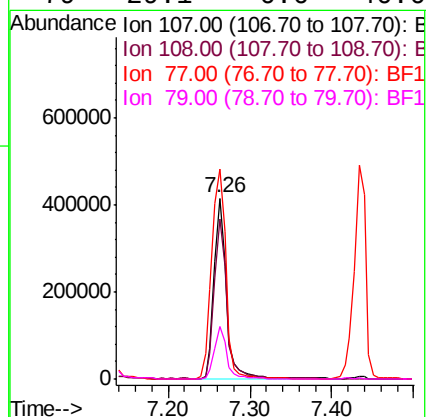
Ion Ratio Lower Upper

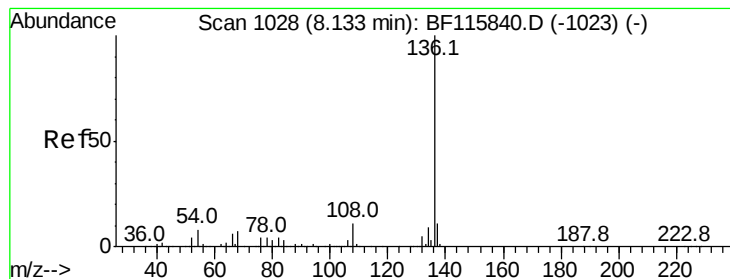
107 100

108 88.6 67.9 107.9

77 116.0 77.3 117.3

79 29.1 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: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

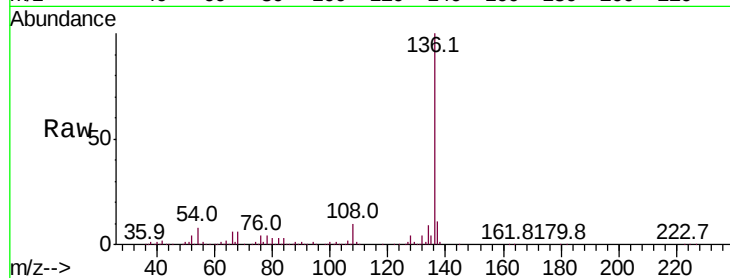
ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion	Ratio	Resp	Lower	Upper
136	100	571706		
137	11.2		9.1	13.7
54	7.5		6.1	9.1
68	6.4		5.4	8.2

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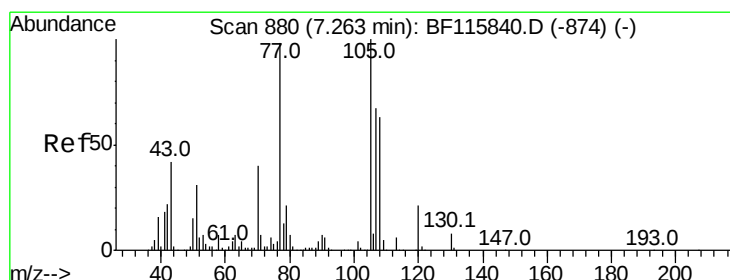
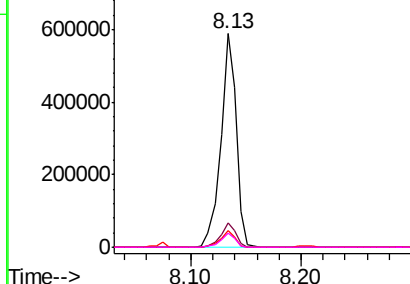
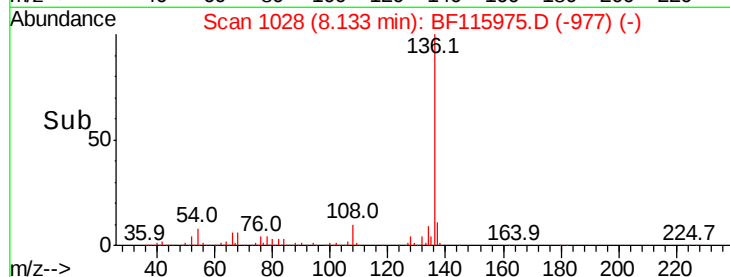
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 46.545 ng

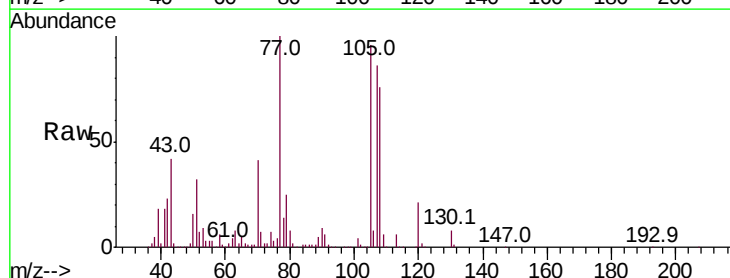
RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	583596		
71	7.2		5.4	8.0
51	33.6		24.6	36.8
120	21.5		17.0	25.6



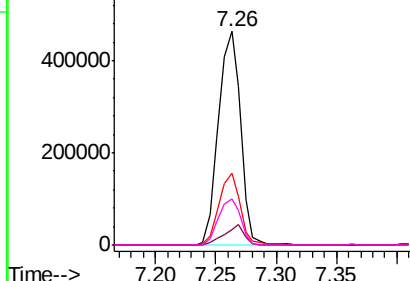
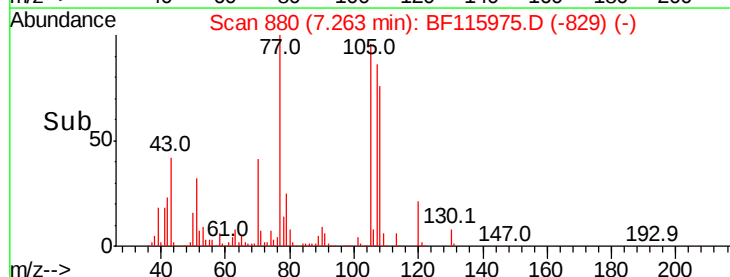
Abundance

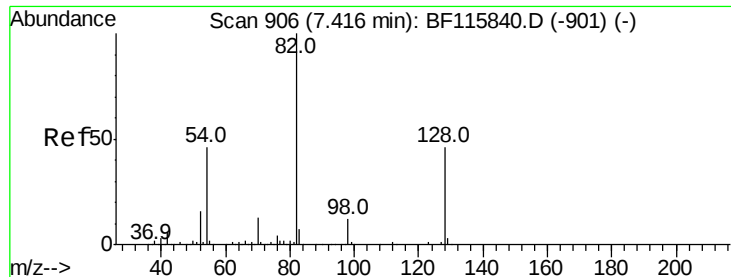
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





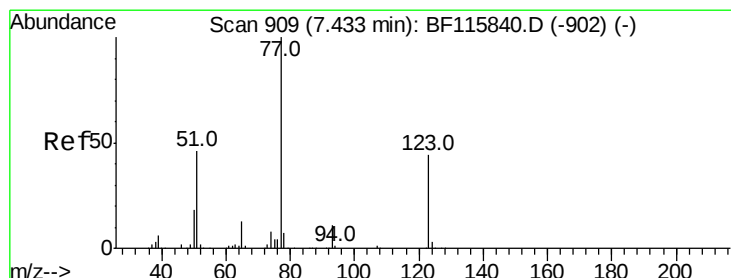
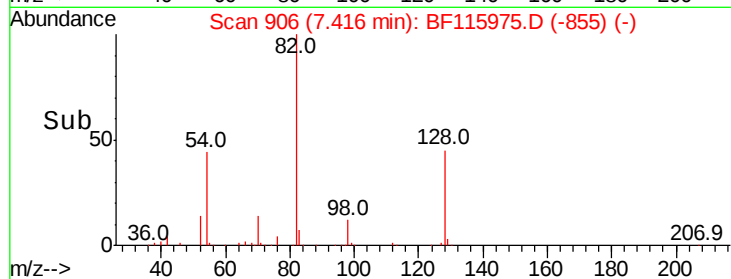
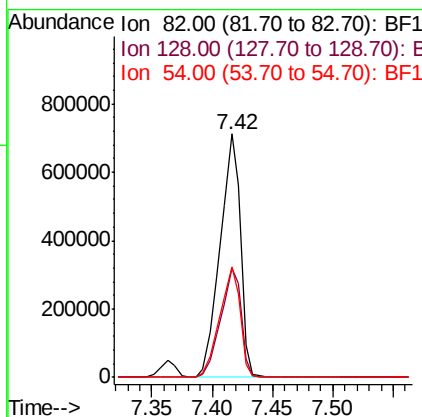
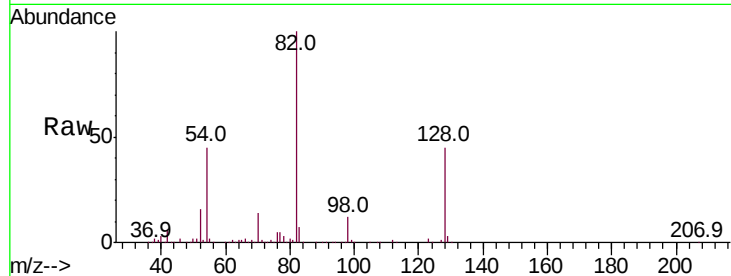
#23
Nitrobenzene-d5
Concen: 83.567 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.6	55.0
54	45.2	36.6	55.0

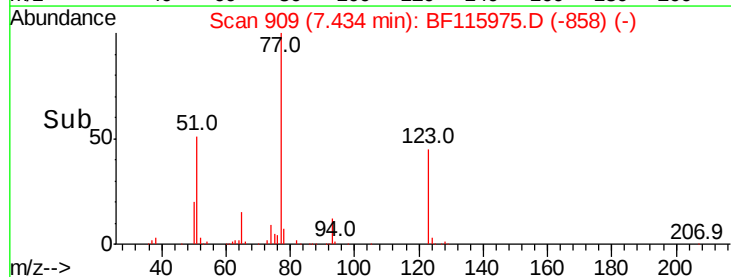
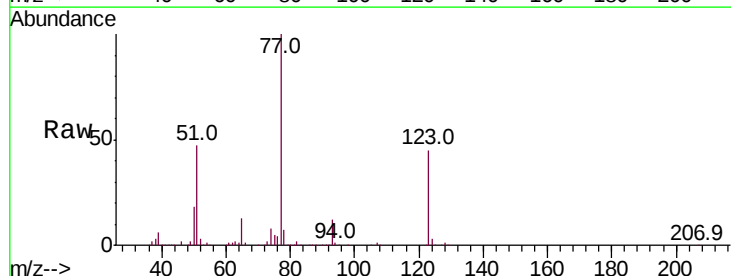
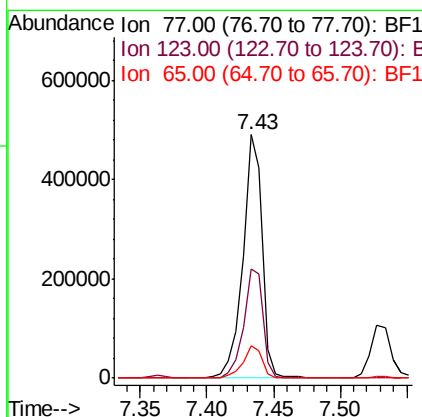
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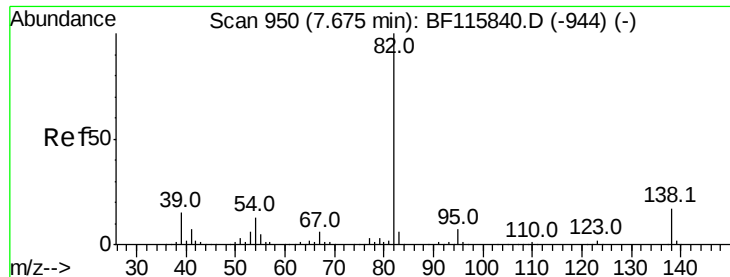
mohammad
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#24
Nitrobenzene
Concen: 45.140 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.0	35.5	53.3
65	13.4	10.6	15.8





#25

Isophorone

Concen: 46.355 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

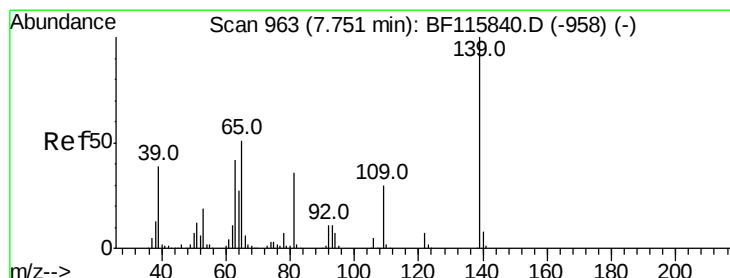
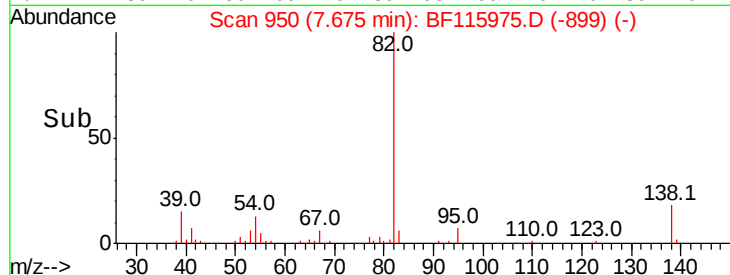
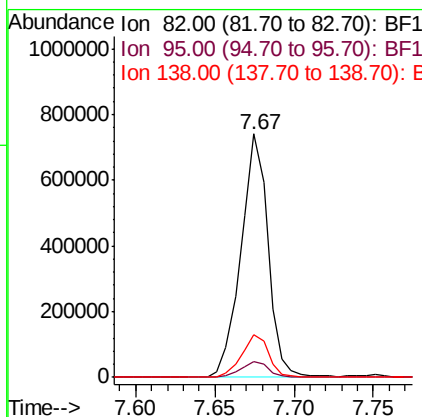
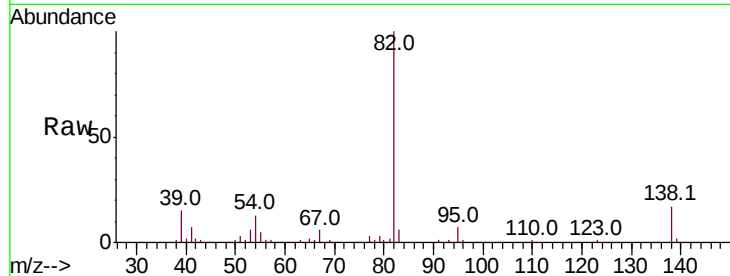
ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion:	82	Resp:	877895
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.5	8.3
138	17.5	13.9	20.9

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#26

2-Nitrophenol

Concen: 47.257 ng

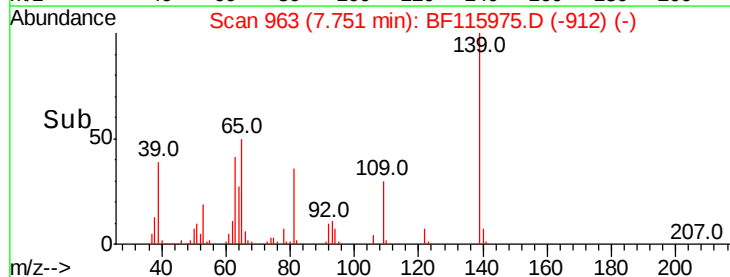
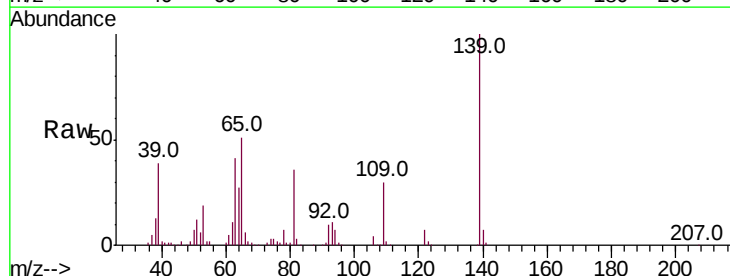
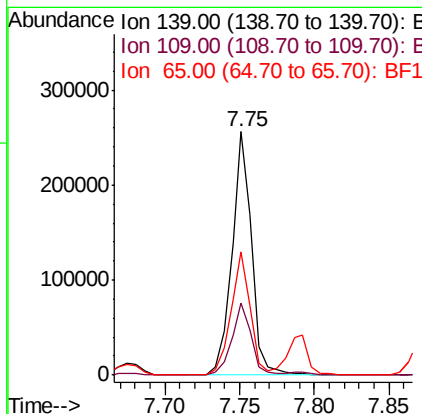
RT: 7.75 min Scan# 963

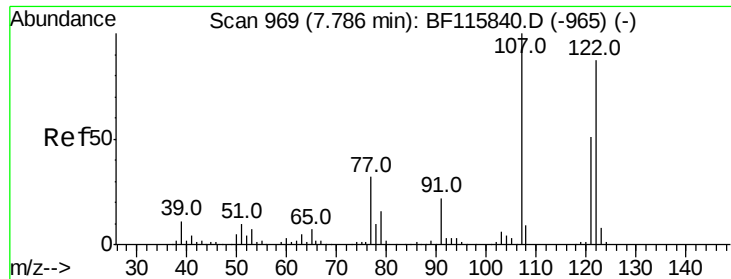
Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion:	139	Resp:	238226
Ion Ratio	Lower	Upper	
139	100		
109	29.8	23.6	35.4
65	50.5	40.6	60.8





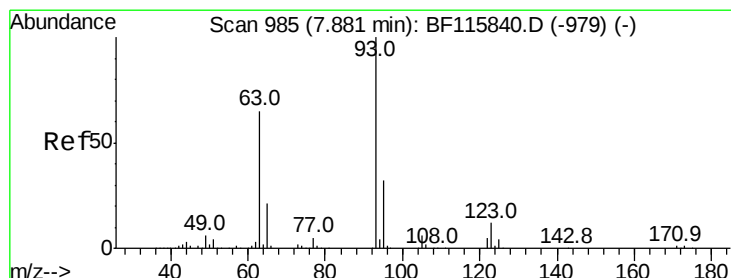
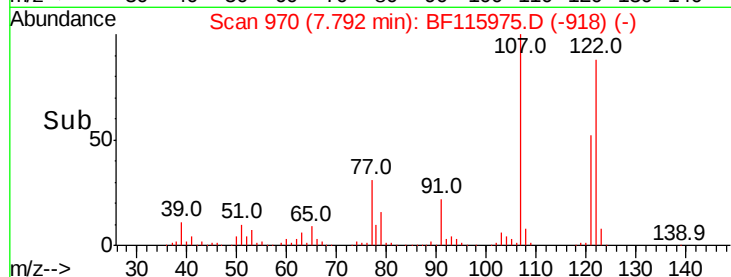
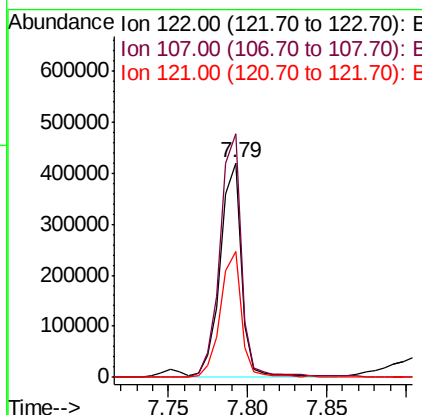
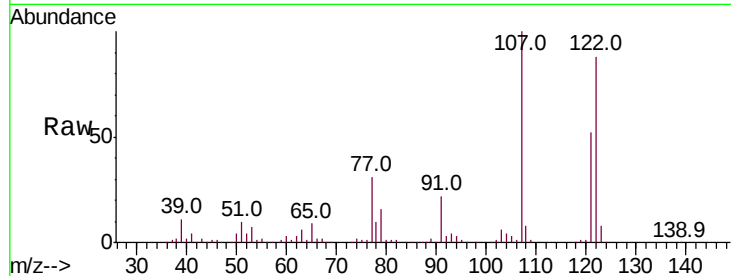
#27
2,4-Dimethylphenol
Concen: 51.835 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Resp	Lower	Upper
122	100	393128		
107	113.4	91.7	137.5	
121	58.5	46.6	70.0	

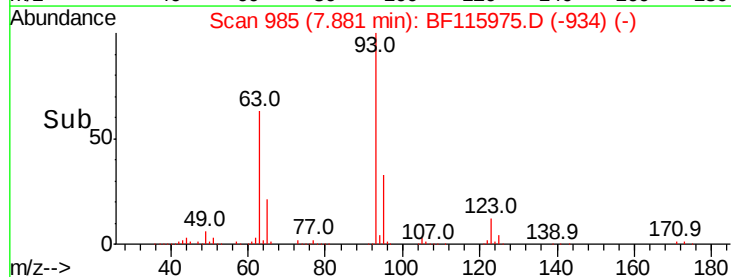
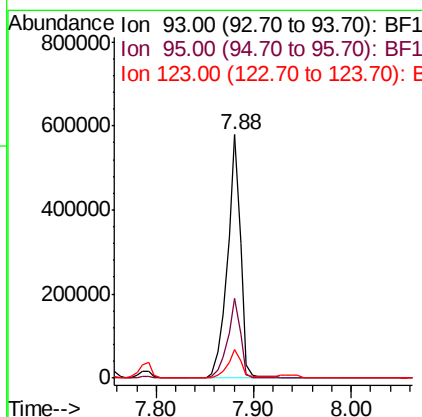
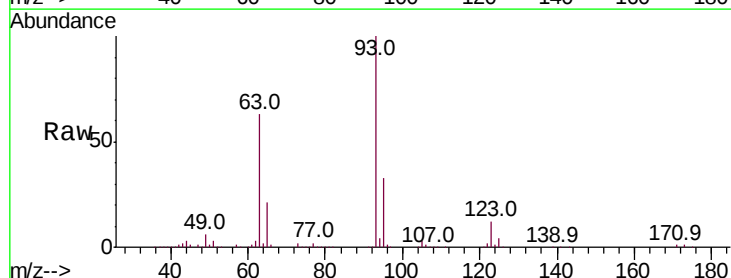
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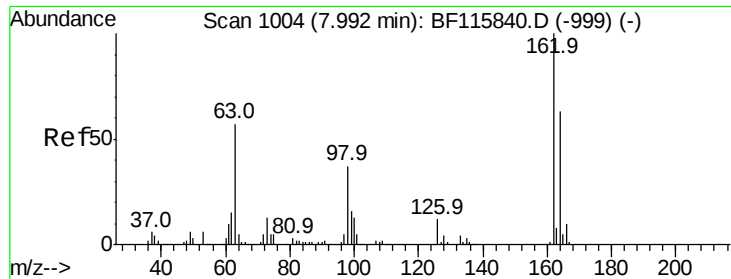
mohammad
8/8/2019 4:45:19 PM



#28
bis(2-Chloroethoxy)methane
Concen: 45.838 ng
RT: 7.88 min Scan# 985
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	538060		
95	32.6	26.0	39.0	
123	11.5	9.5	14.3	





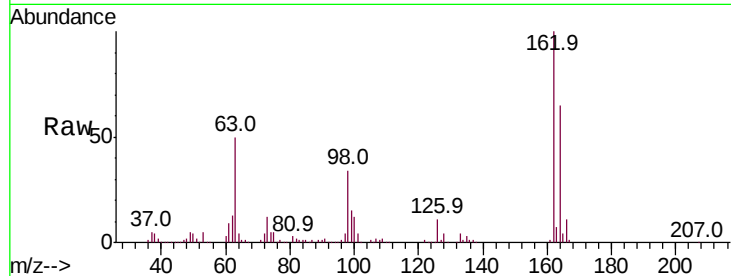
#29
2,4-Dichlorophenol
Concen: 47.258 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Resp	Lower	Upper
162	100	378442		
164	64.7	43.2	83.2	
98	34.1	17.3	57.3	

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Abundance

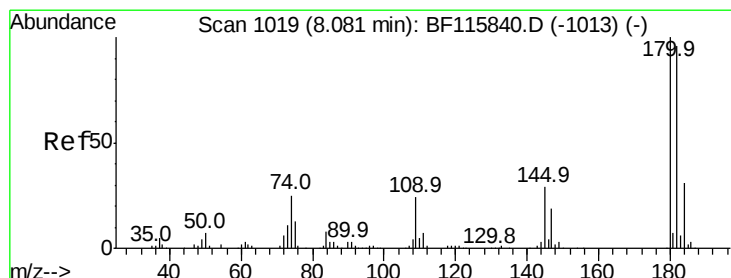
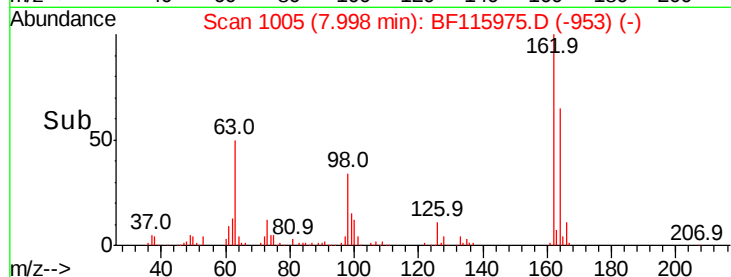
Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1

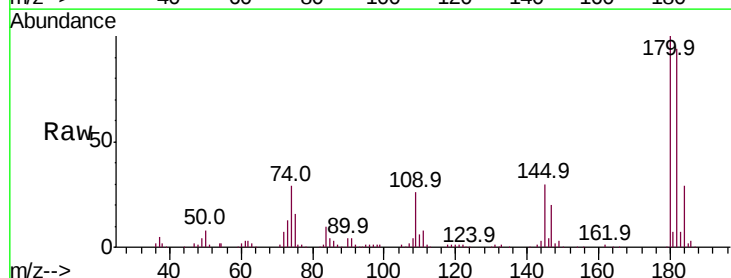
8.00

Time-->



#30
1,2,4-Trichlorobenzene
Concen: 44.726 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	408270		
182	93.6	76.6	114.8	
145	30.1	23.2	34.8	



Abundance

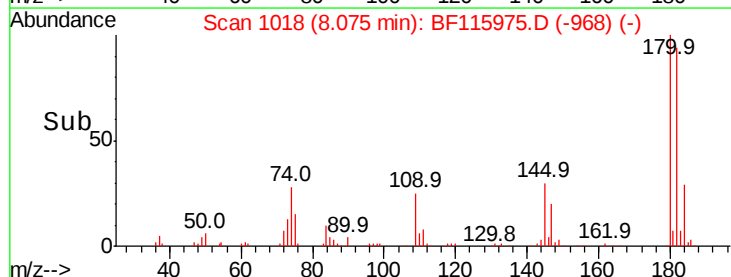
Ion 180.00 (179.70 to 180.70): E

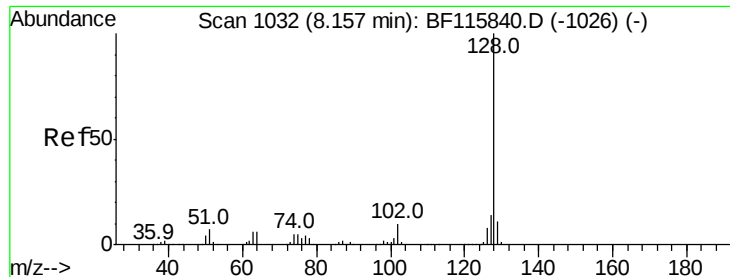
Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

8.07

Time-->





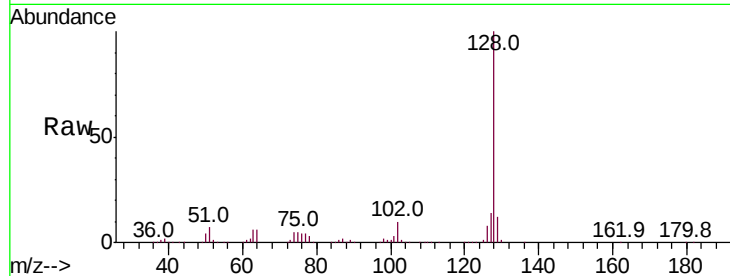
#31
Naphthalene
Concen: 46.074 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

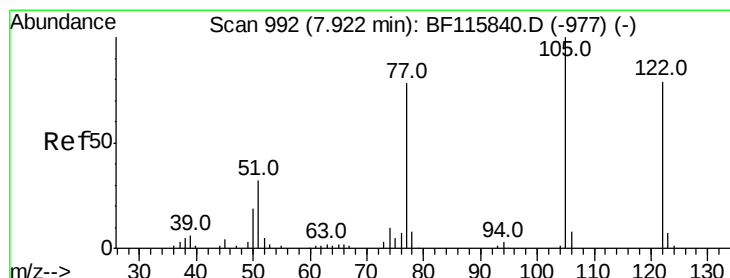
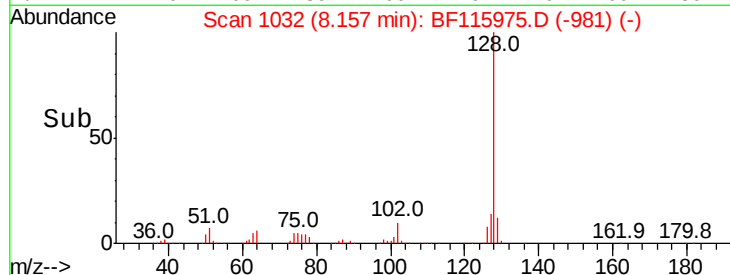
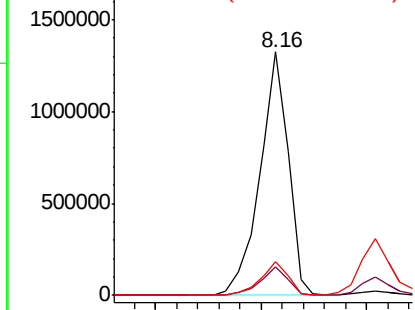
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.9	11.0	16.4

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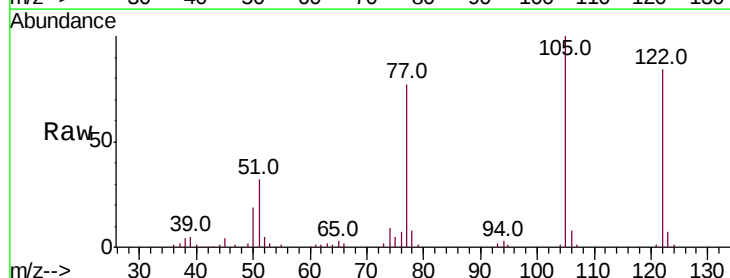


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

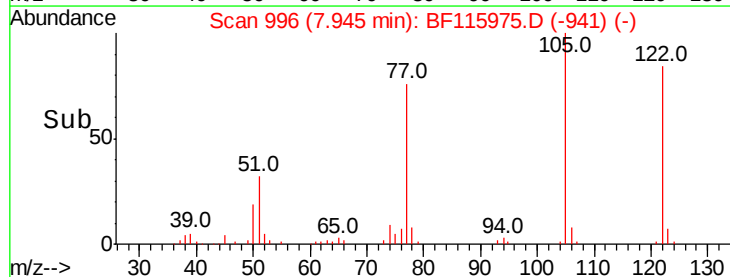
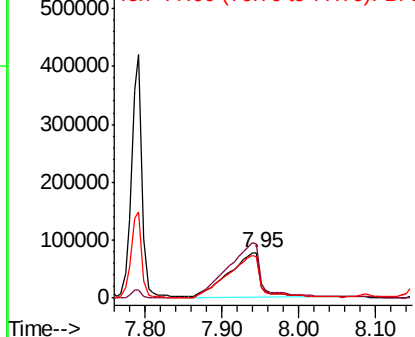


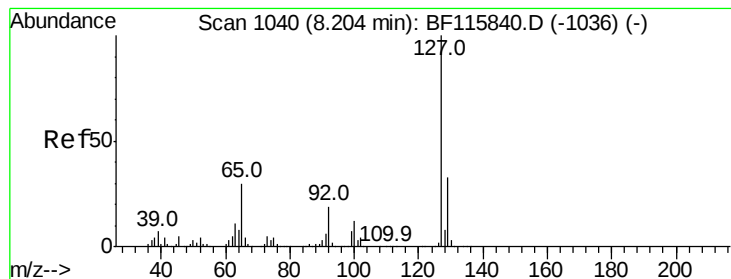
#32
Benzoic acid
Concen: 42.723 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.02 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.5	103.1	143.1
77	92.2	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: 29.279 ng

RT: 8.20 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

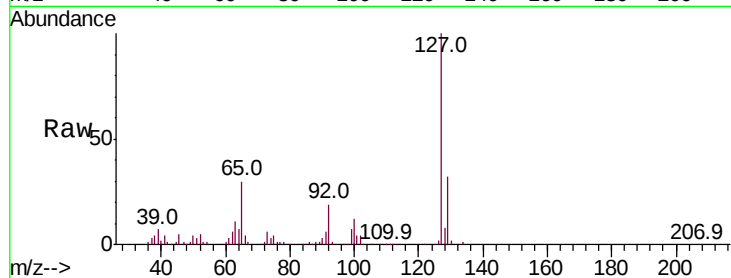
ClientSampleId :

IDOC BS-SOIL01-RC

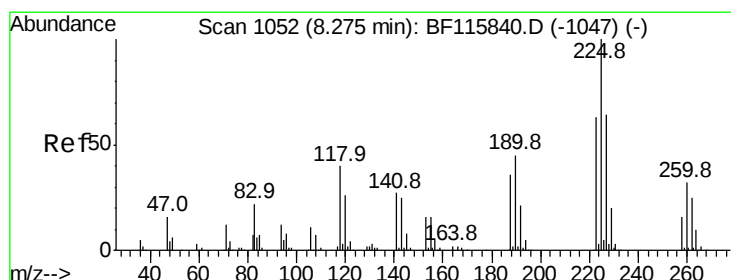
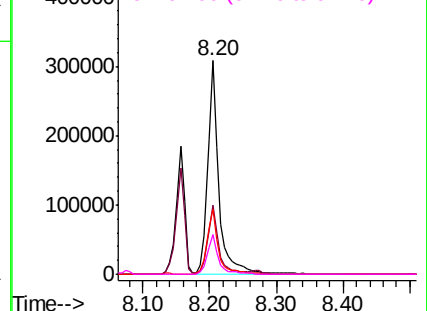
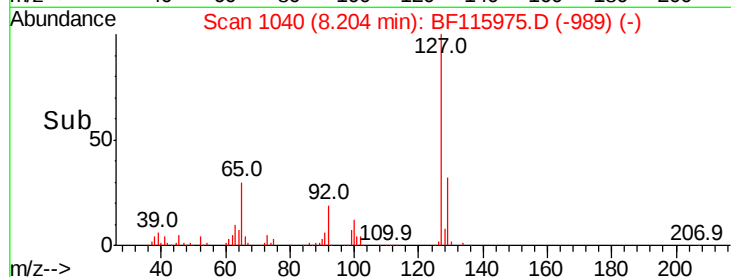
Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.2	26.0	39.0	
65	30.4	23.9	35.9	
92	18.8	14.9	22.3	

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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: 42.868 ng

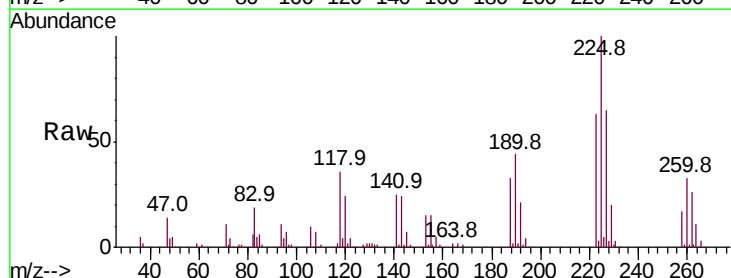
RT: 8.27 min Scan# 1052

Delta R.T. 0.00 min

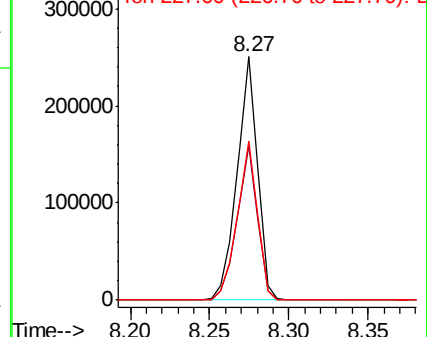
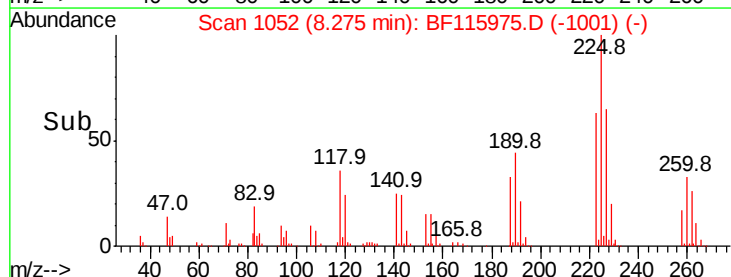
Lab File: BF115975.D

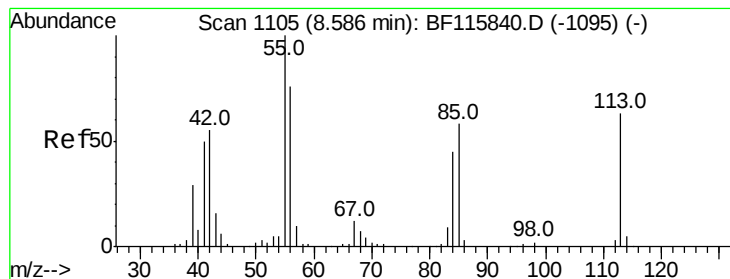
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	50.4	75.6	
227	65.5	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: 45.618 ng/mL

RT: 8.59 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion:113 Resp: 118149

Ion Ratio Lower Upper

113 100

55 152.3 138.1 178.1

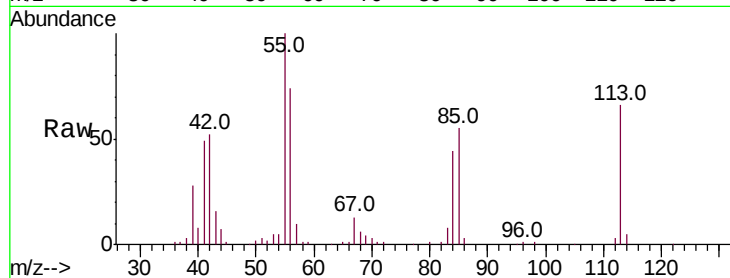
56 113.4 100.6 140.6

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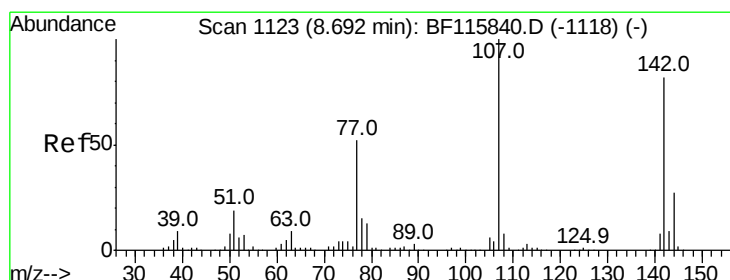
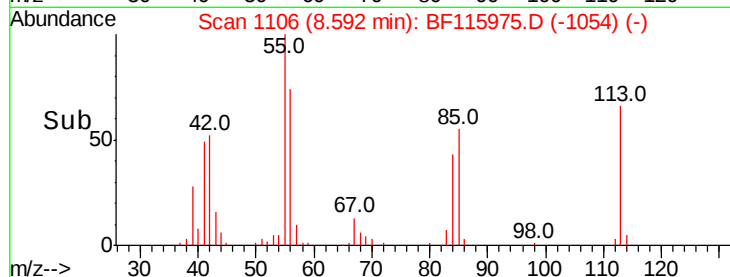
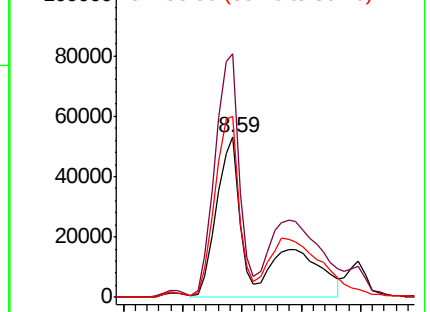
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 48.389 ng/mL

RT: 8.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

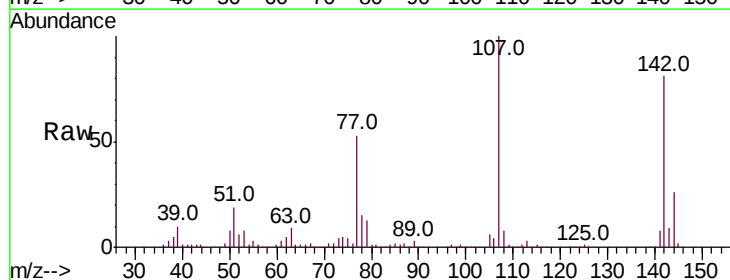
Tgt Ion:107 Resp: 403118

Ion Ratio Lower Upper

107 100

144 26.2 21.4 32.0

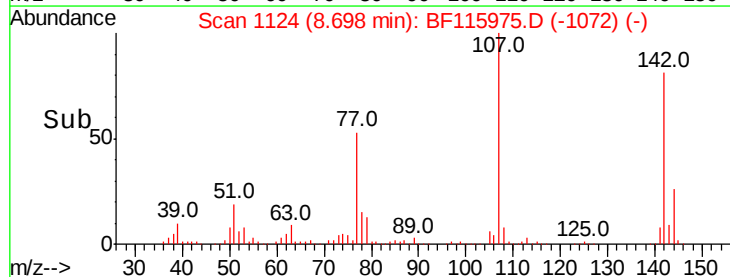
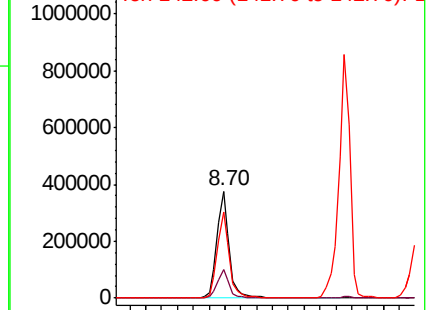
142 80.6 65.5 98.3

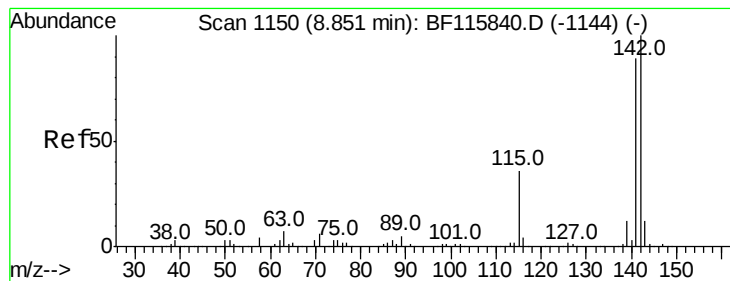


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





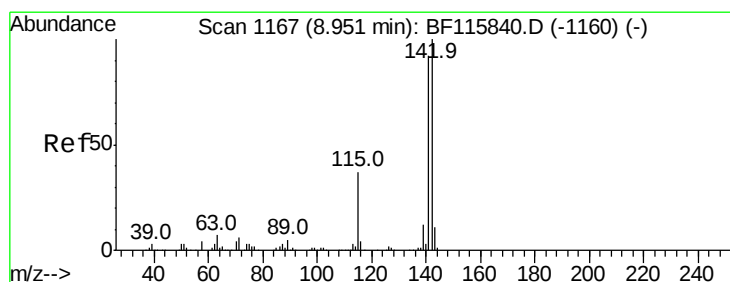
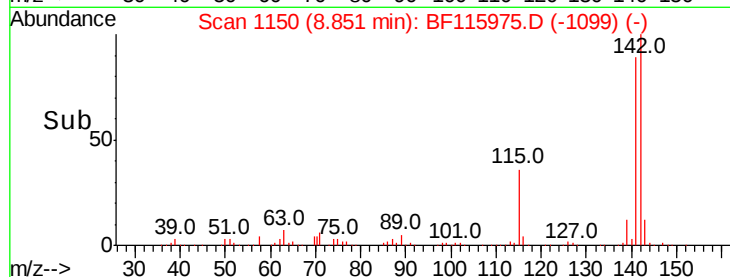
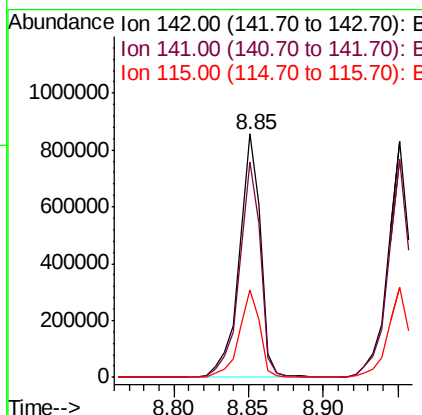
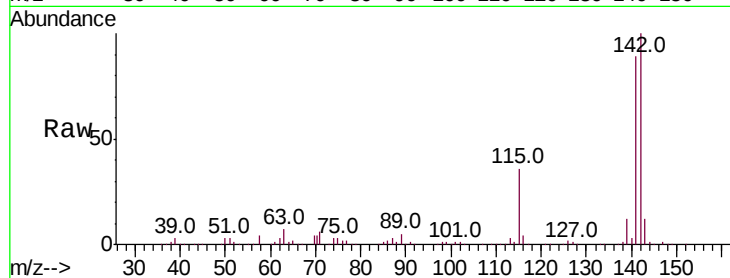
#37
2-Methylnaphthalene
Concen: 47.514 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.4	107.2
115	36.0	28.9	43.3

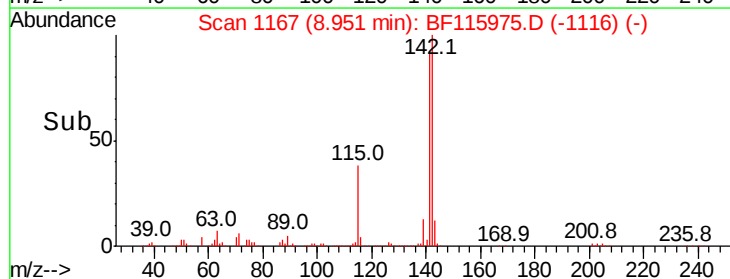
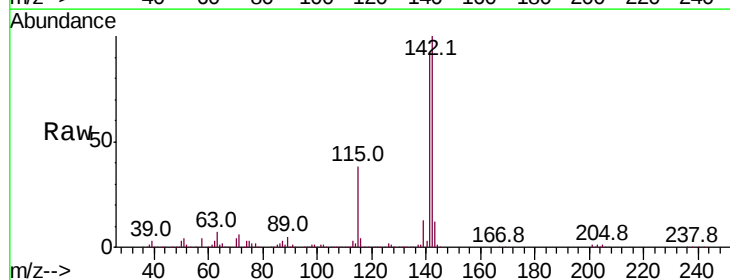
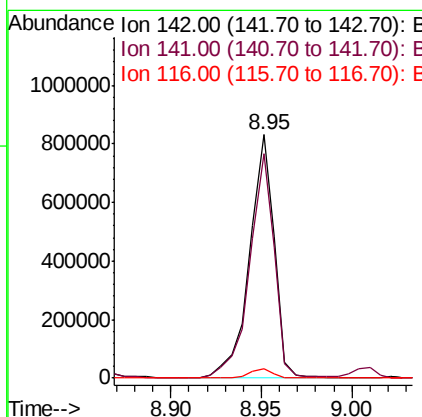
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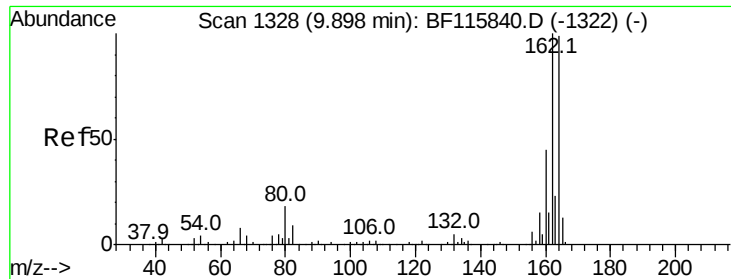
mohammad
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#38
1-Methylnaphthalene
Concen: 46.656 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.8	110.6
116	4.0	3.1	4.7





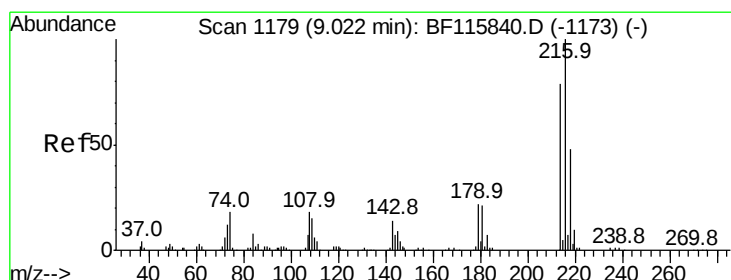
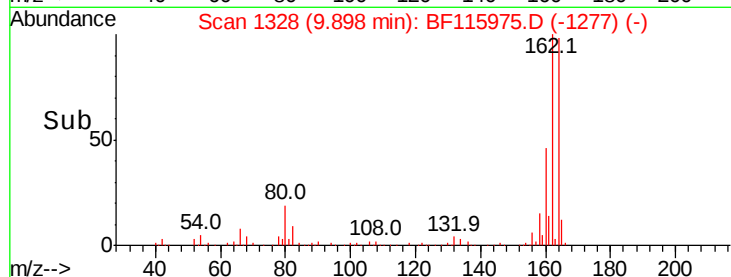
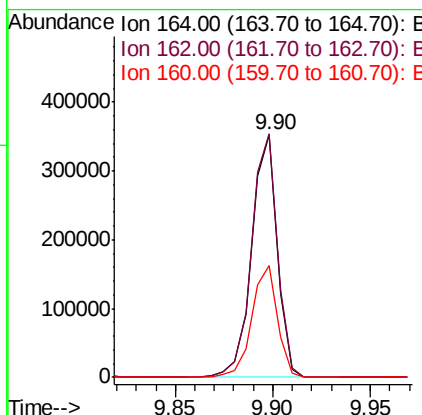
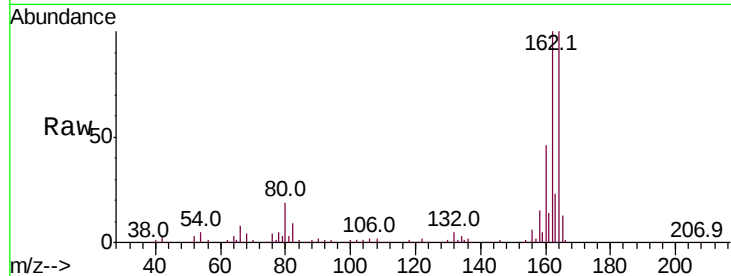
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.8	121.2
160	45.9	36.2	54.4

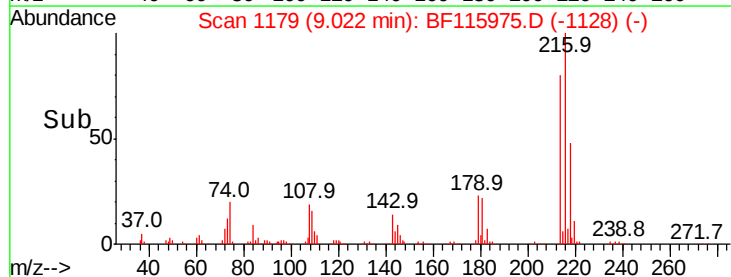
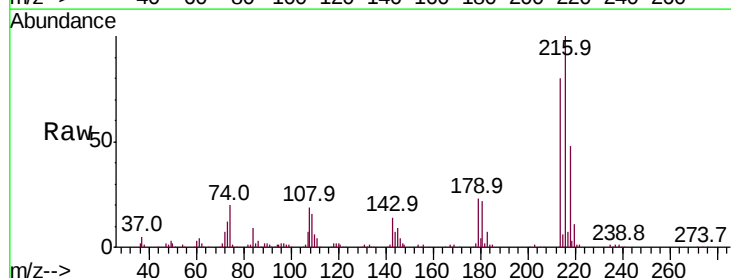
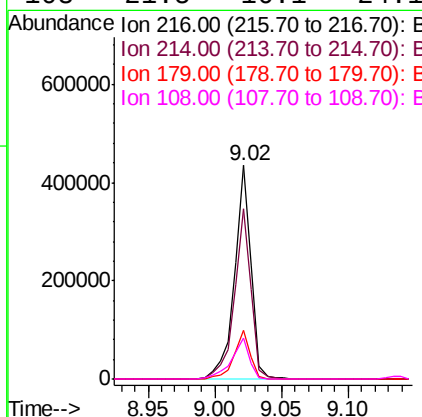
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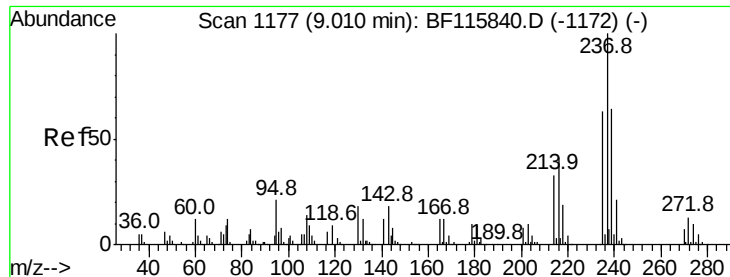
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.400 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.6	62.8	94.2
179	22.1	17.6	26.4
108	21.5	16.1	24.1





#41

Hexachlorocyclopentadiene

Concen: 65.544 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

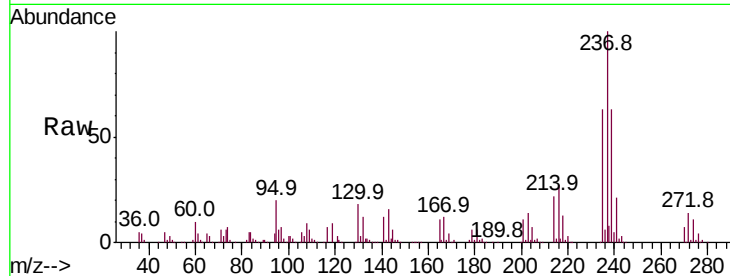
ClientSampleId :

IDOC BS-SOIL01-RC

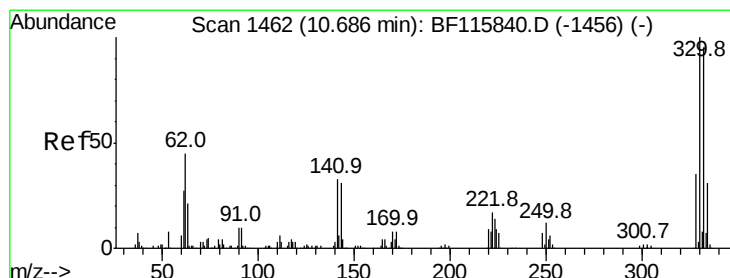
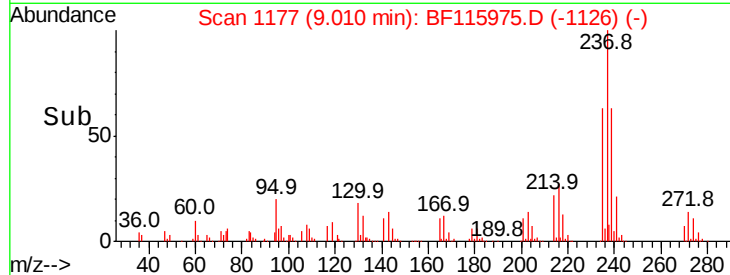
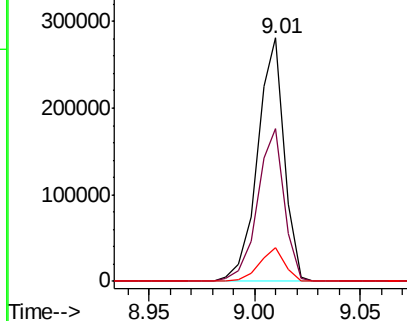
Tot Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	62.9	42.5	82.5
272	13.8	0.0	33.3

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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: 118.906 ng

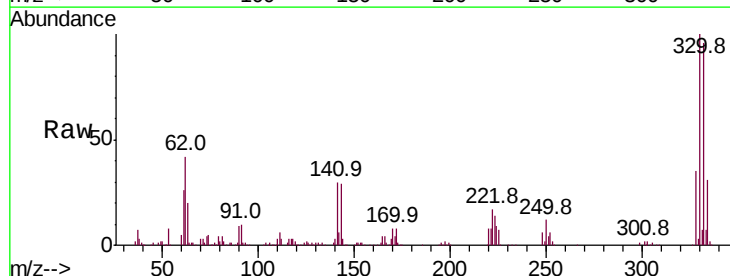
RT: 10.69 min Scan# 1463

Delta R.T. 0.01 min

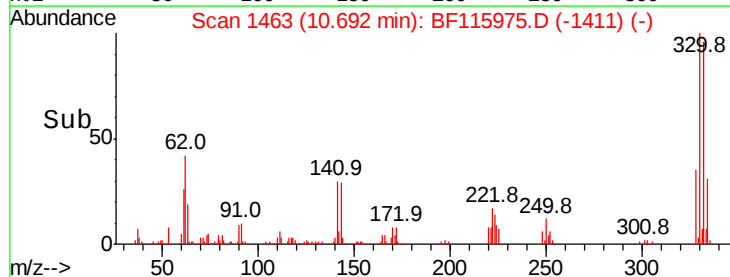
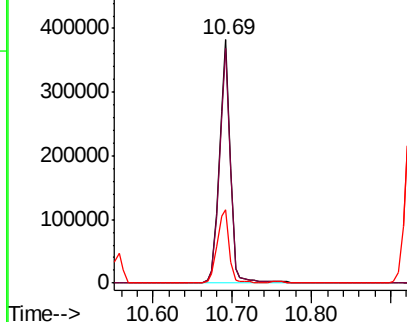
Lab File: BF115975.D

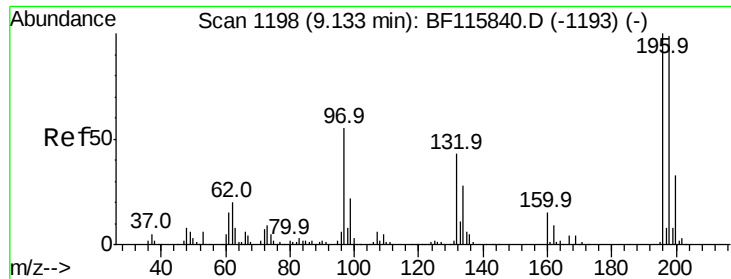
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.8	77.7	116.5
141	32.8	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





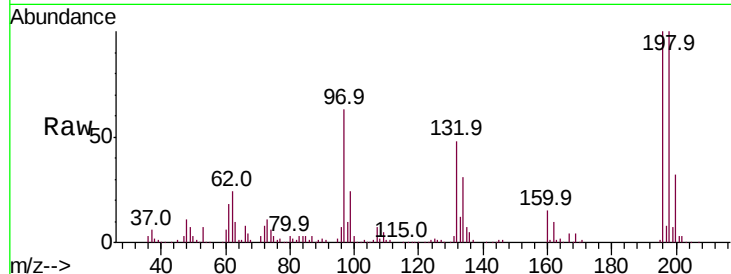
#43
 2,4,6-Trichlorophenol
 Concen: 43.356 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tot Ion	Ratio	Resp	Lower	Upper
196	100	255574		
198	100.1	79.1	118.7	
200	31.8	26.0	39.0	

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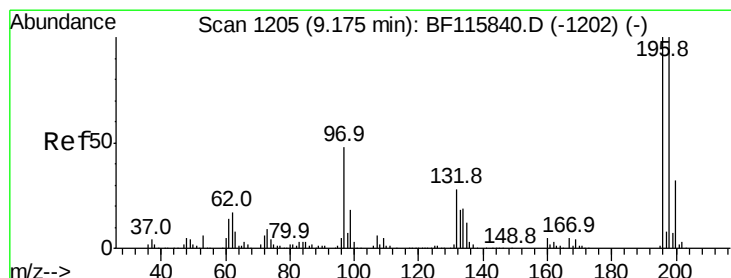
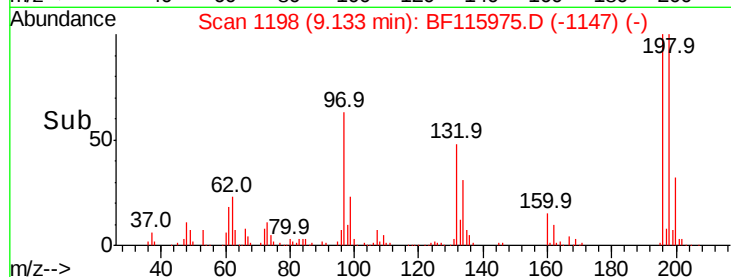
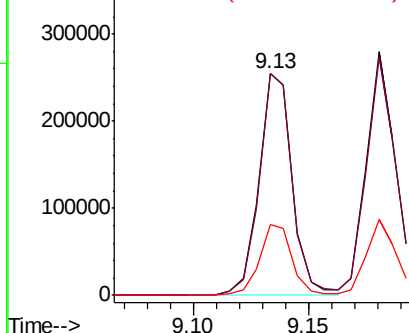


Abundance

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: 44.998 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	274197		
198	98.0	80.1	120.1	
97	51.8	38.9	58.3	
132	29.4	22.6	33.8	

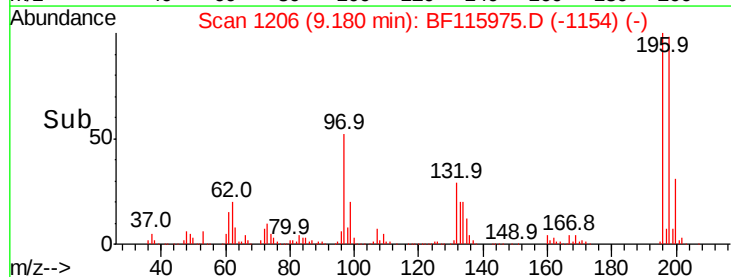
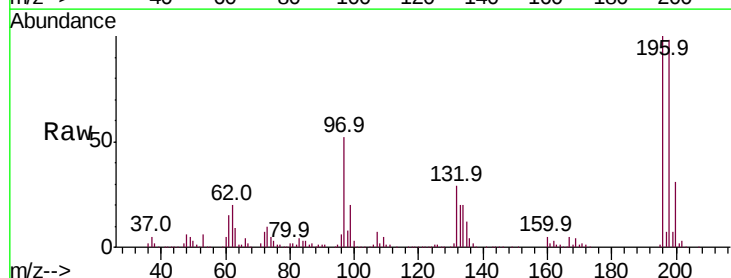
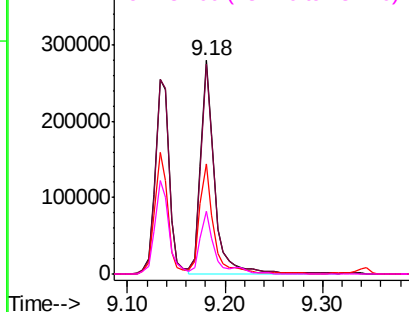
Abundance

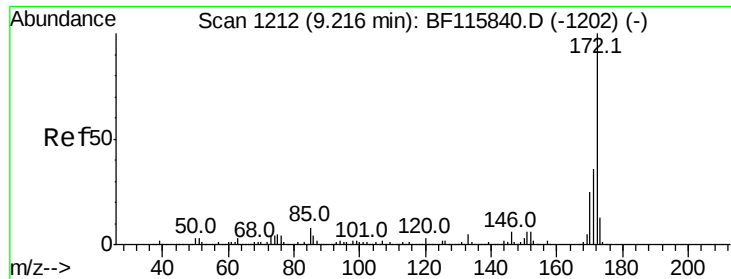
Ion 196.00 (195.70 to 196.70): E

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





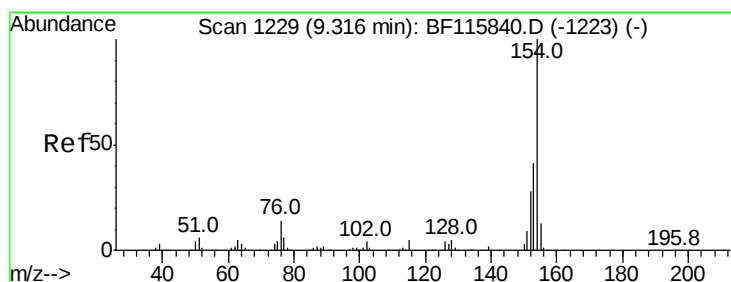
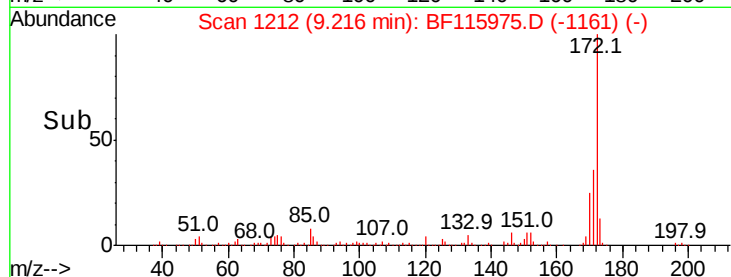
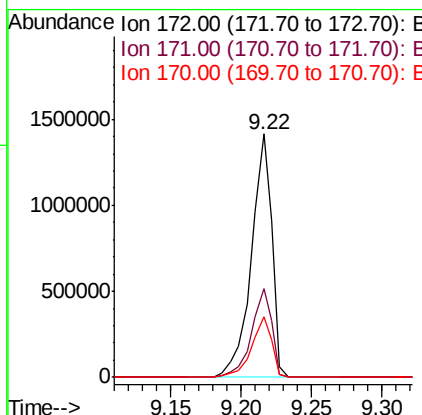
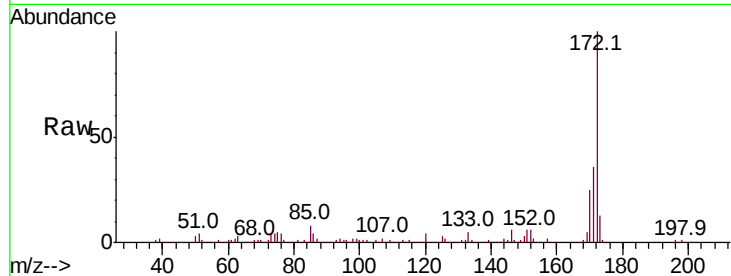
#45
2-Fluorobiphenyl
Concen: 84.493 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.1	43.7
170	24.9	20.1	30.1

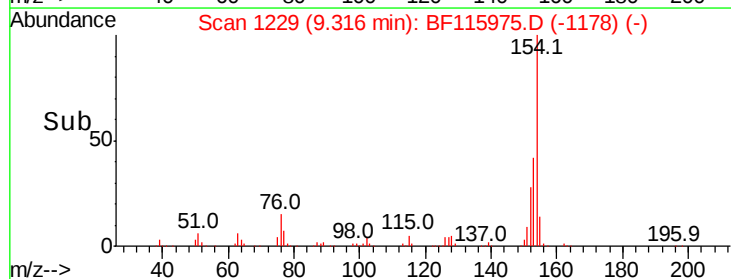
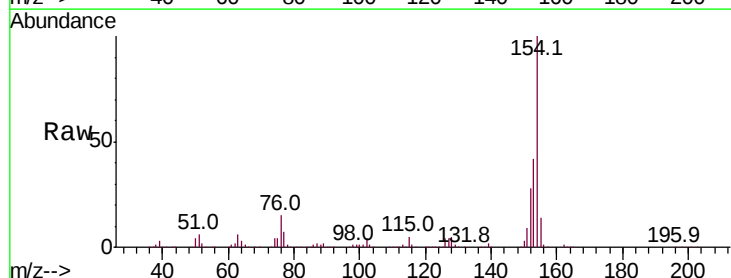
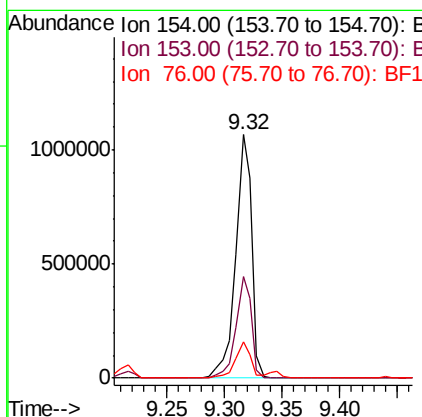
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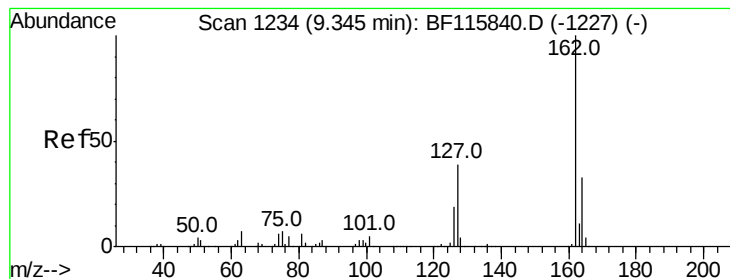
mohammad
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#46
1,1'-Biphenyl
Concen: 45.132 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.7	20.9	60.9
76	14.8	0.0	34.3





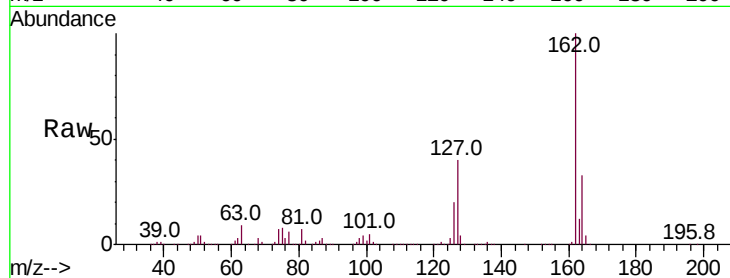
#47
 2-Chloronaphthalene
 Concen: 42.778 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

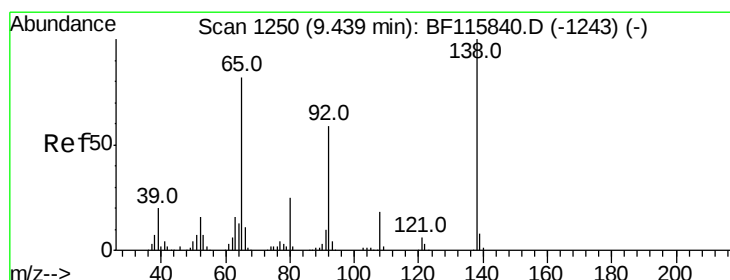
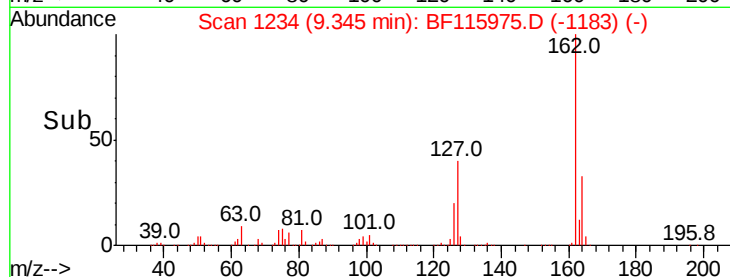
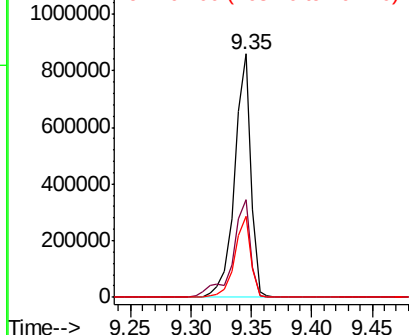
Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	40.1	31.3	46.9	
164	33.4	26.6	40.0	

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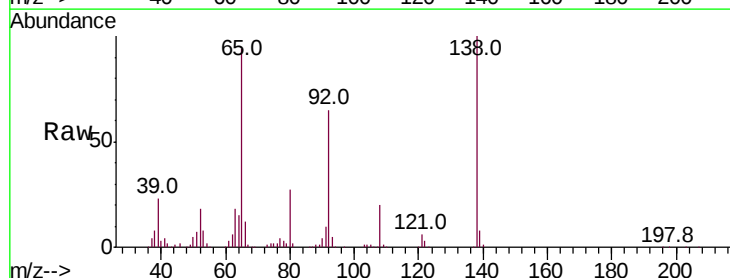


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

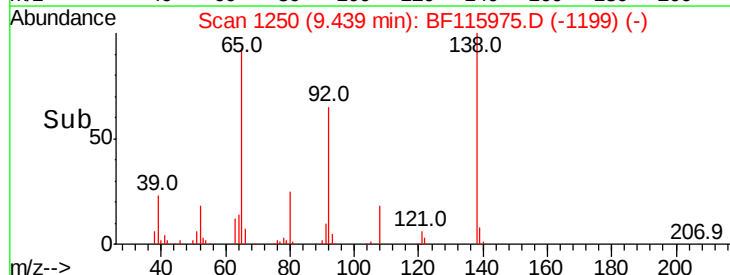
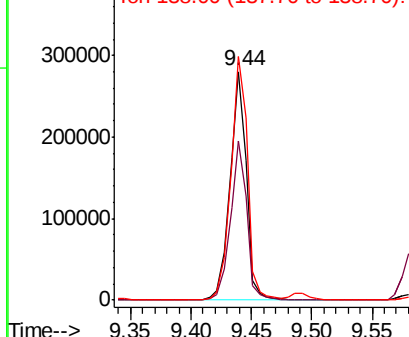


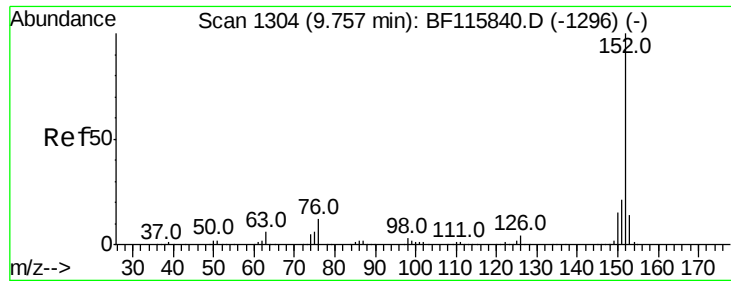
#48
 2-Nitroaniline
 Concen: 42.425 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	69.4	57.1	85.7	
138	106.5	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





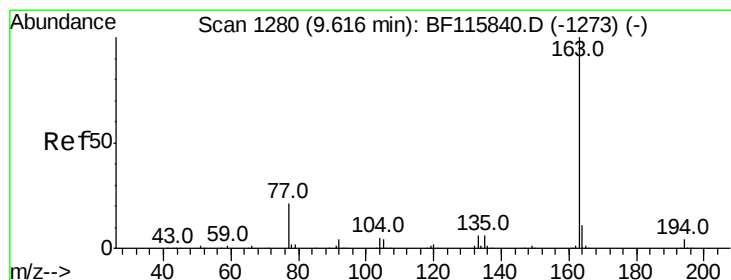
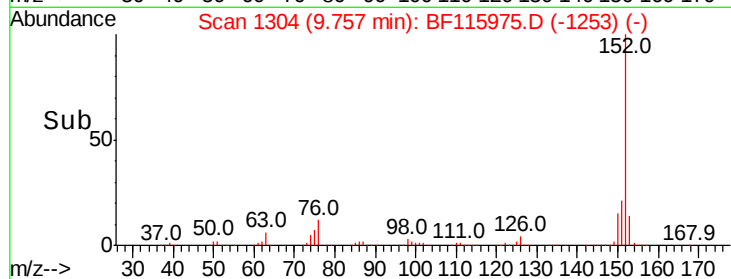
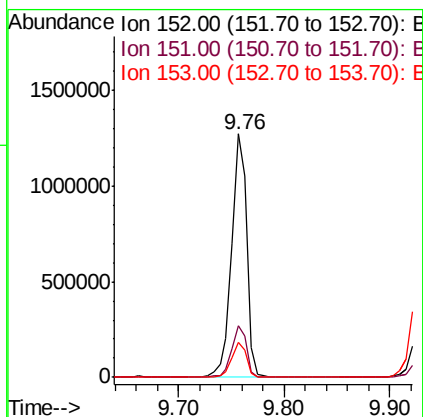
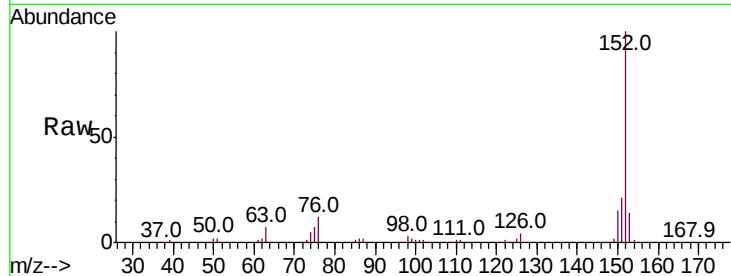
#49
Acenaphthylene
Concen: 45.212 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.8	25.2
153	14.4	11.6	17.4

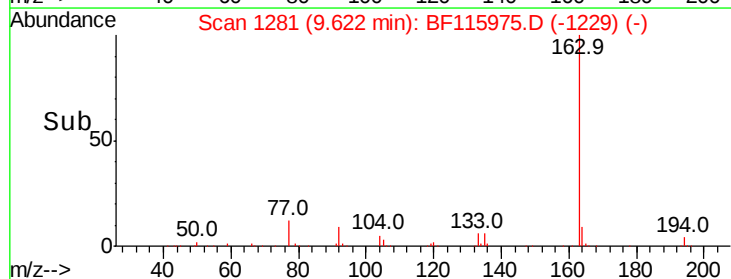
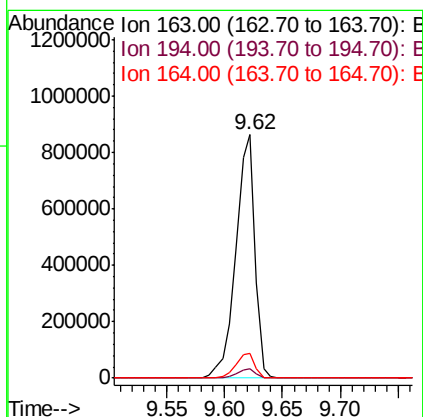
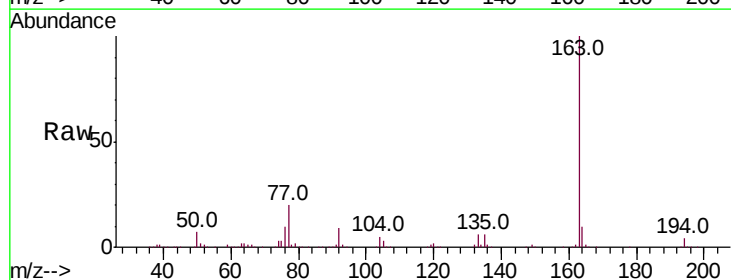
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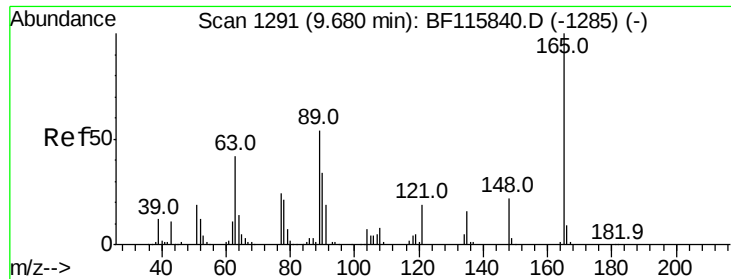
mohammad
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#50
Dimethylphthalate
Concen: 45.087 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.1	8.4	12.6





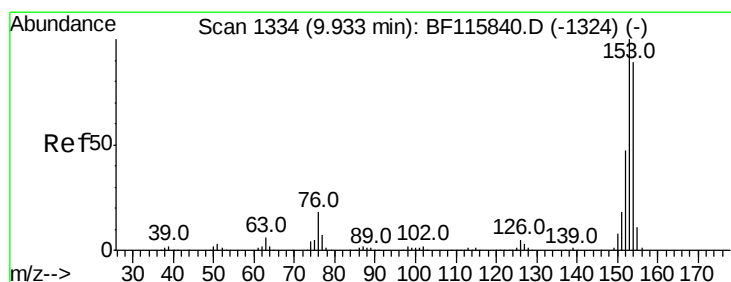
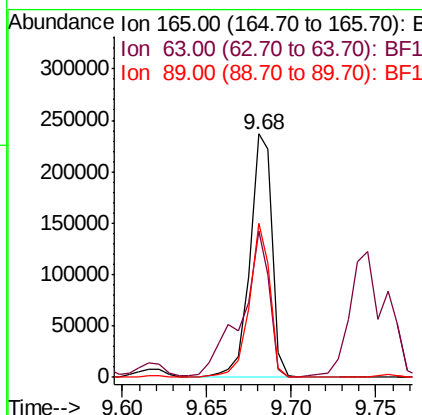
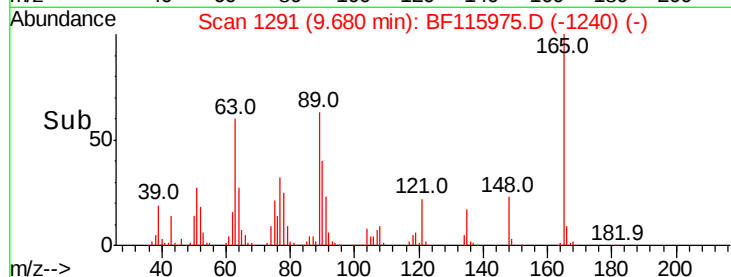
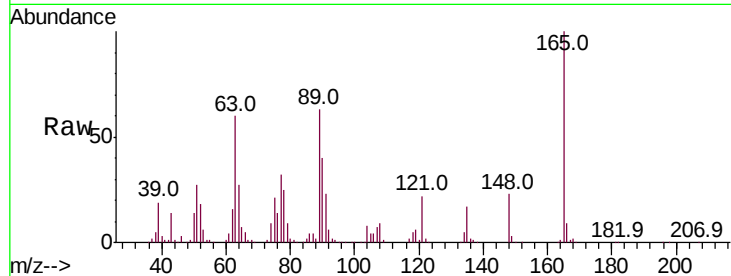
#51
 2,6-Dinitrotoluene
 Concen: 46.078 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	60.1	39.4	59.2#	
89	63.2	43.0	64.6	

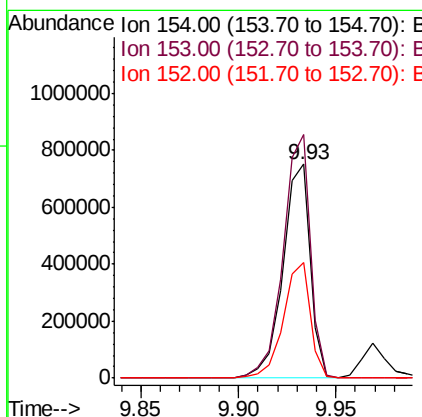
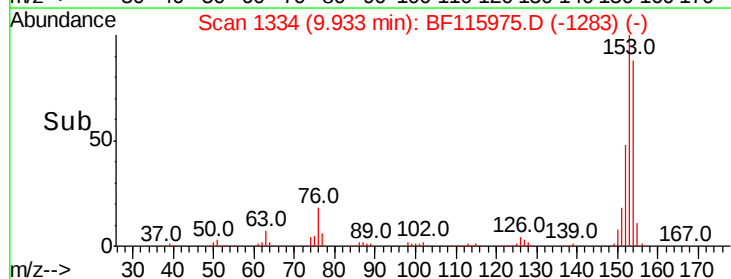
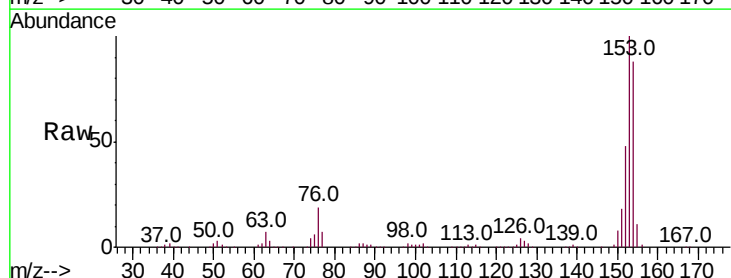
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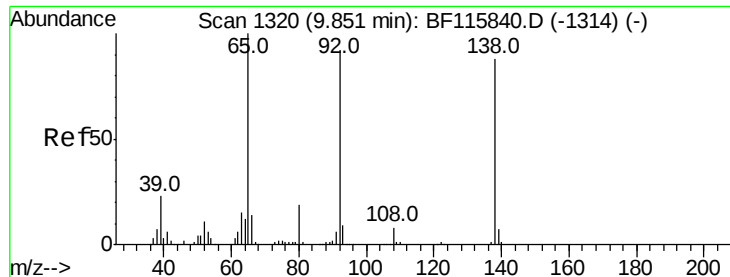
mohammad
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#52
 Acenaphthene
 Concen: 43.446 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.8	90.1	135.1	
152	54.1	42.6	63.8	





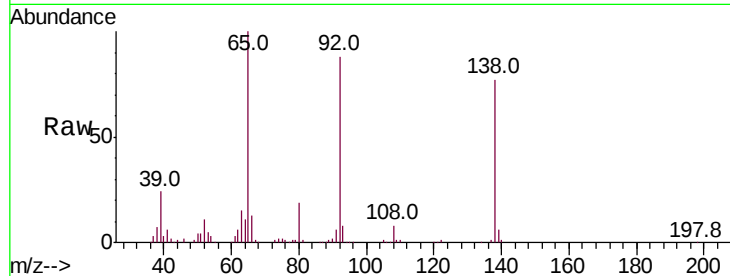
#53
3-Nitroaniline
Concen: 30.684 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.4	11.2
92	114.6	83.9	125.9

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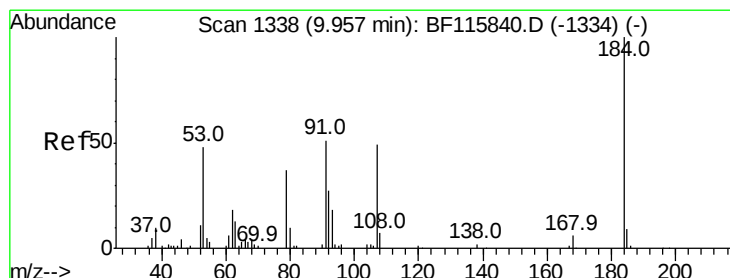
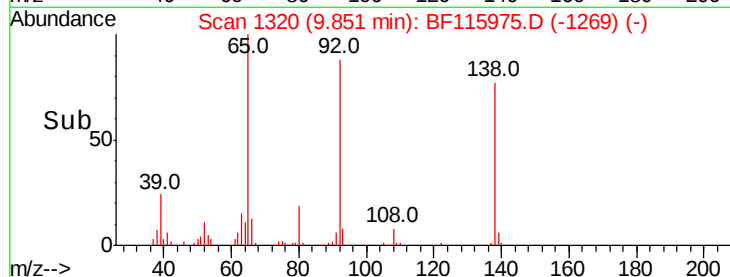
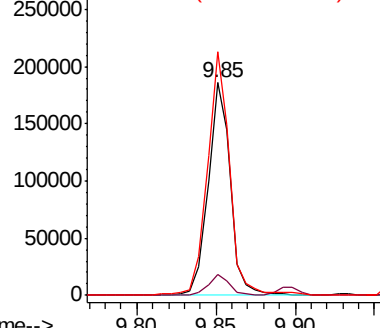


Abundance

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: 75.518 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

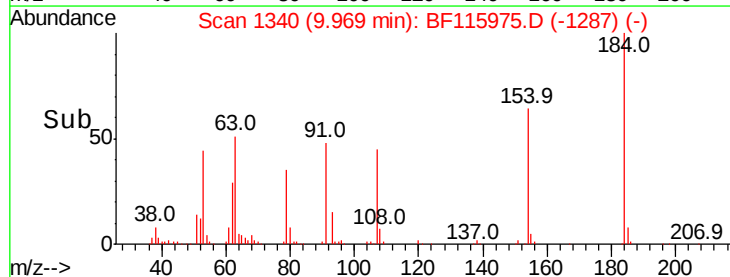
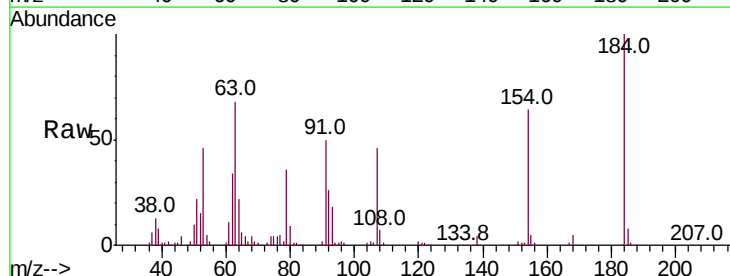
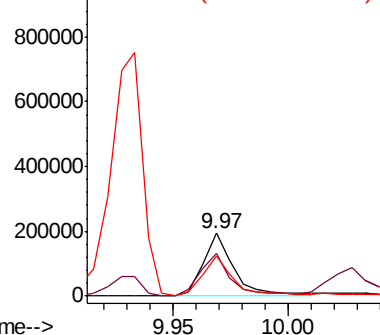
Tgt Ion	Ratio	Lower	Upper
184	100		
63	68.0	56.7	85.1
154	64.1	51.9	77.9

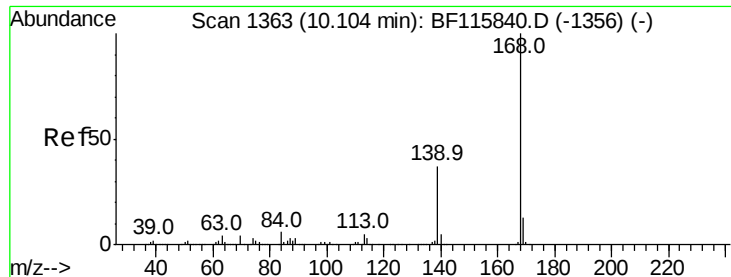
Abundance

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





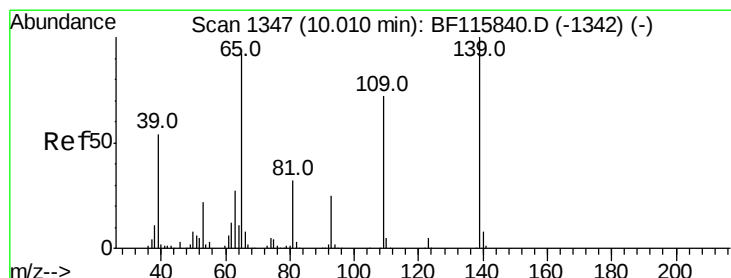
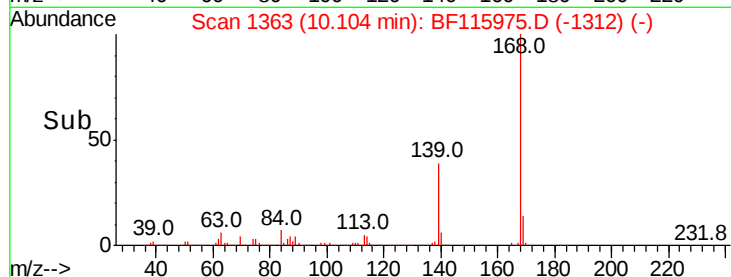
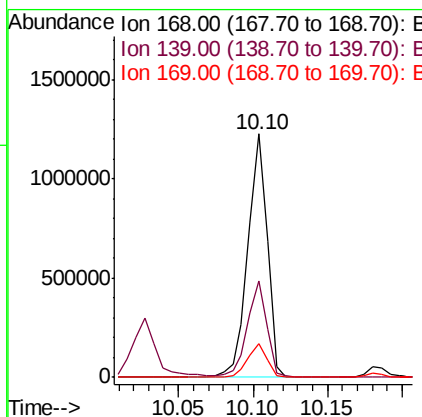
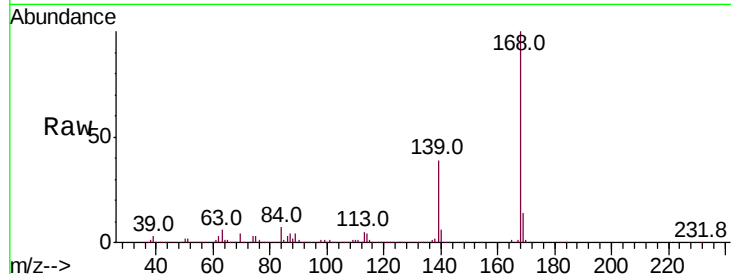
#55
Dibenzofuran
Concen: 45.066 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.5	30.2	45.2
169	13.7	10.8	16.2

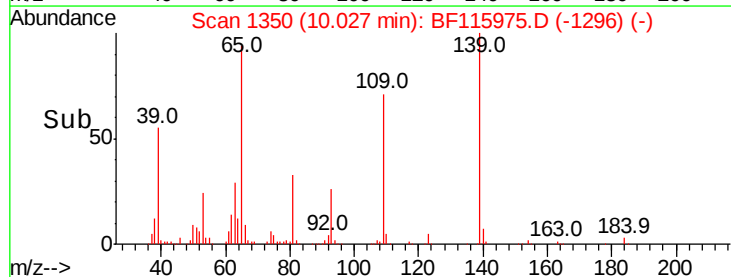
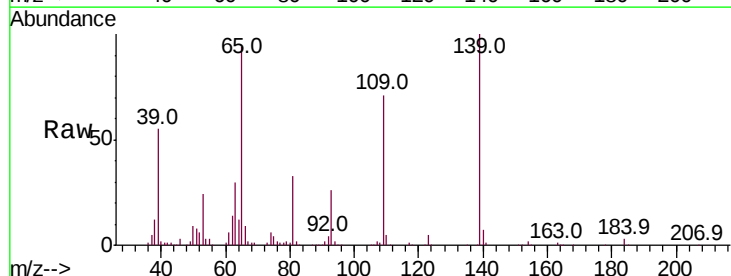
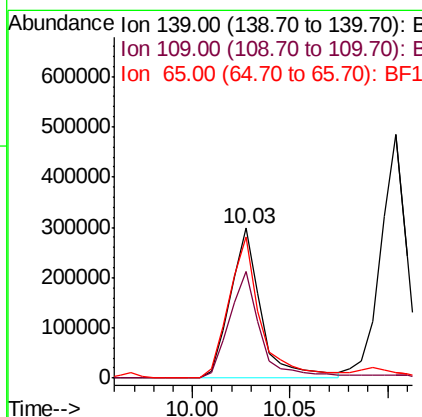
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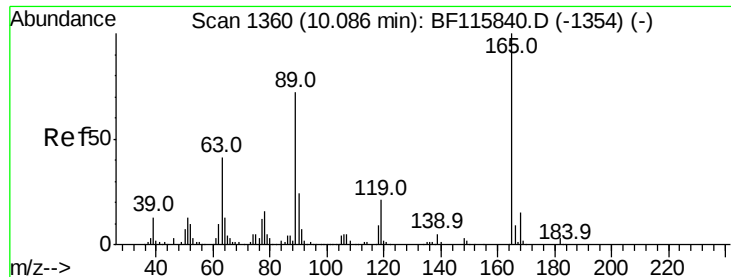
mohammad
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#56
4-Nitrophenol
Concen: 87.001 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.5	52.0	92.0
65	94.4	72.6	112.6





#57

2,4-Dinitrotoluene

Concen: 44.807 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion:165 Resp: 282779

Ion Ratio Lower Upper

165 100

63 48.2 33.2 49.8

89 77.2 57.3 85.9

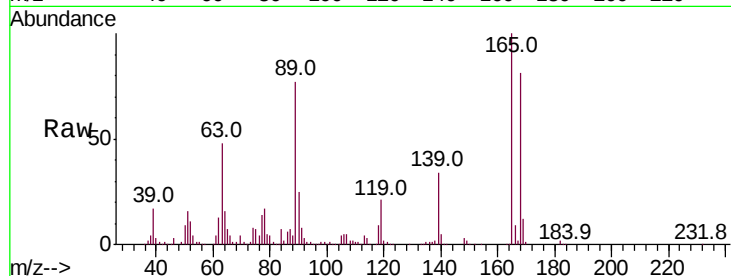
182 2.5 2.1 3.1

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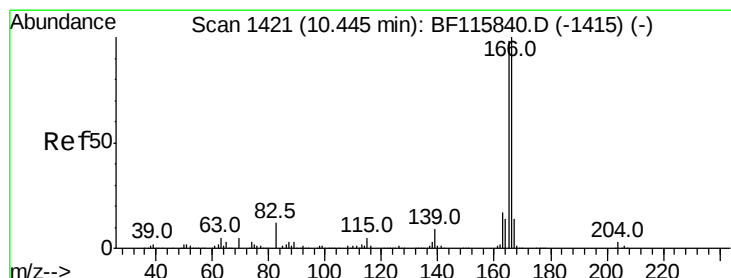
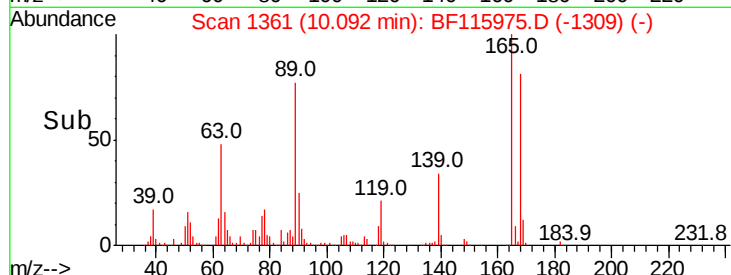
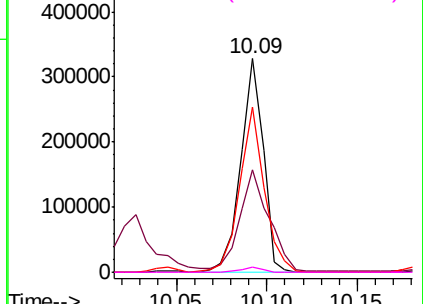


Abundance Ion 165.00 (164.70 to 165.70): E

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: 45.512 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

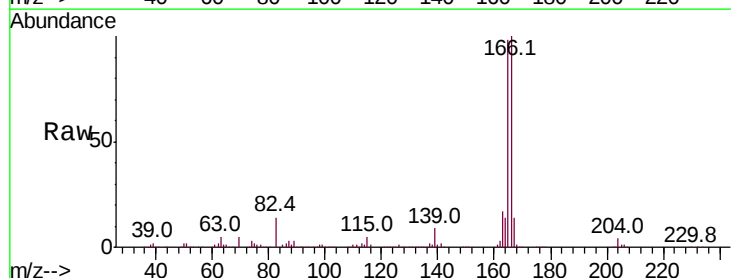
Tgt Ion:166 Resp: 857901

Ion Ratio Lower Upper

166 100

165 97.6 78.6 118.0

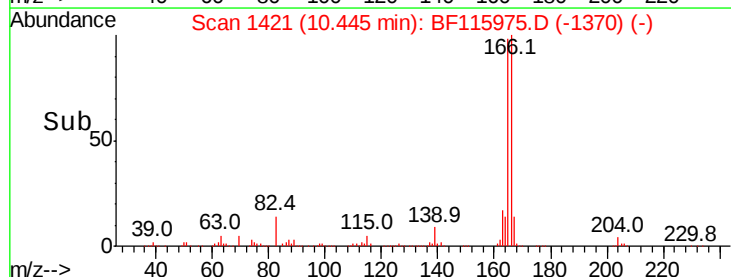
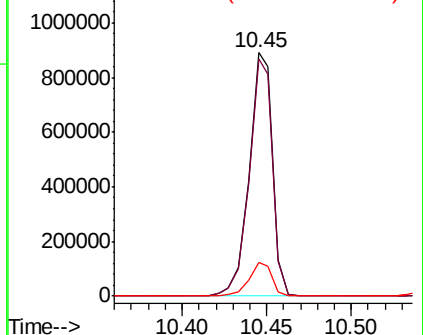
167 13.7 10.9 16.3

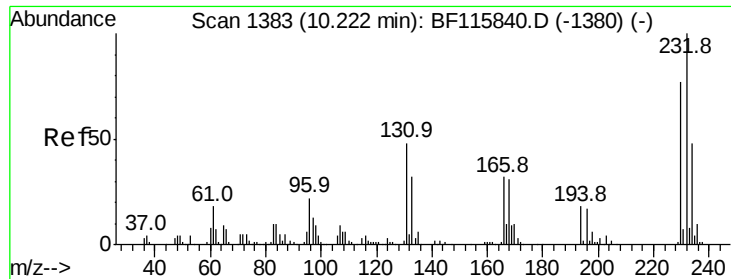


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





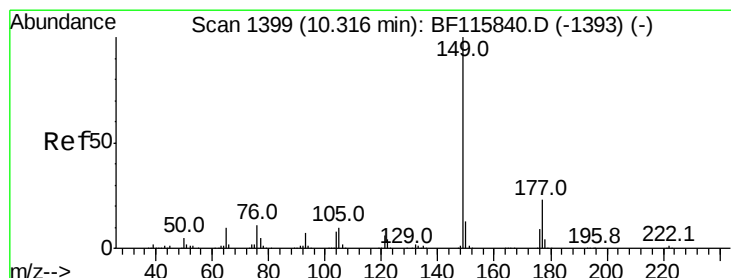
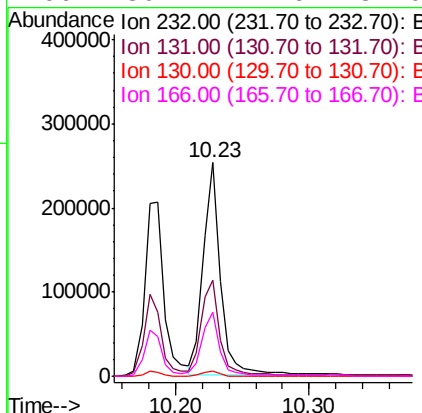
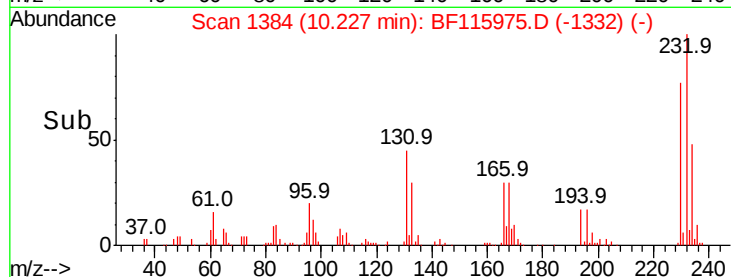
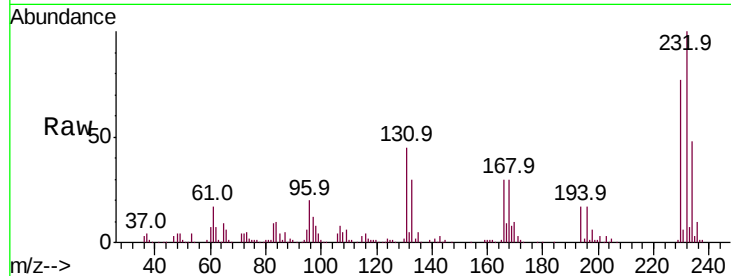
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.750 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tot Ion	Ratio	Resp	Lower	Upper
232	100	229414		
131	49.6		37.6	56.4
130	2.4		1.8	2.8
166	30.7		24.6	37.0

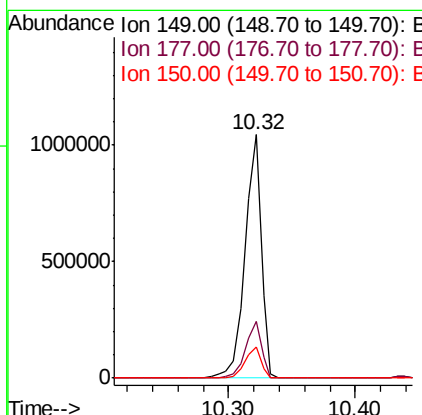
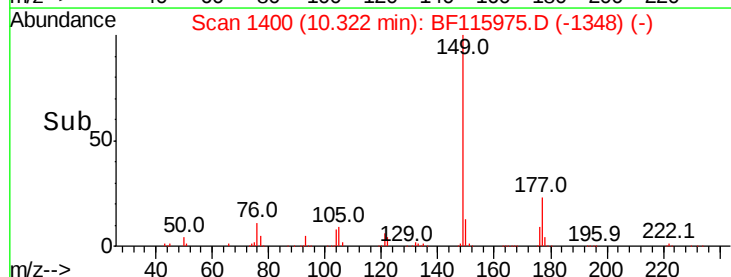
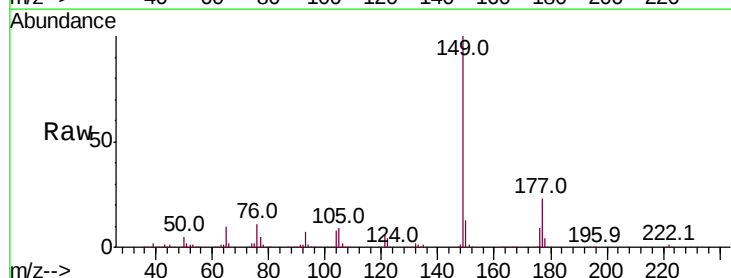
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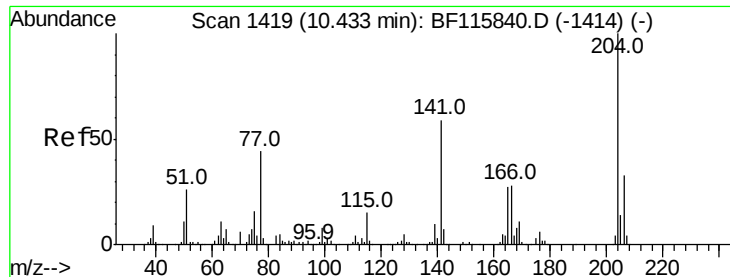
mohammad
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#60
 Diethylphthalate
 Concen: 45.366 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	923853		
177	23.2		18.4	27.6
150	12.6		10.1	15.1





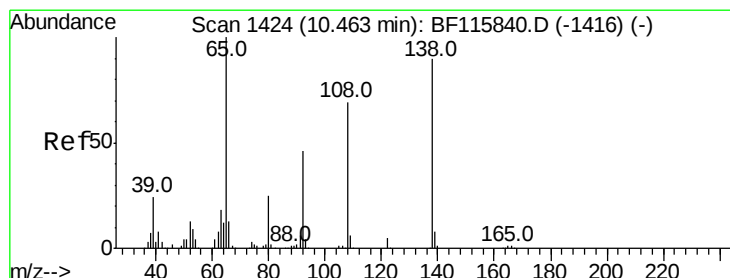
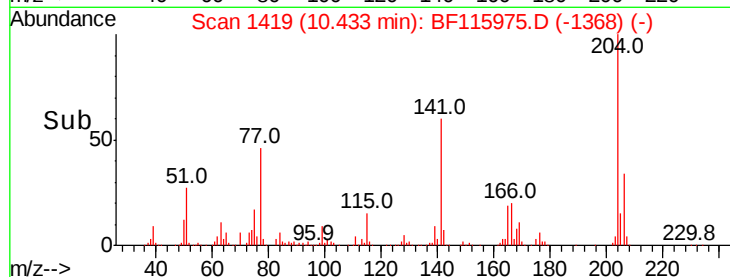
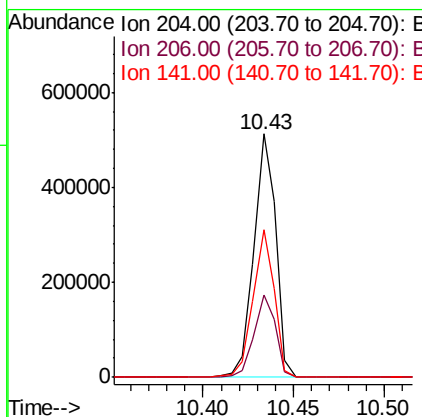
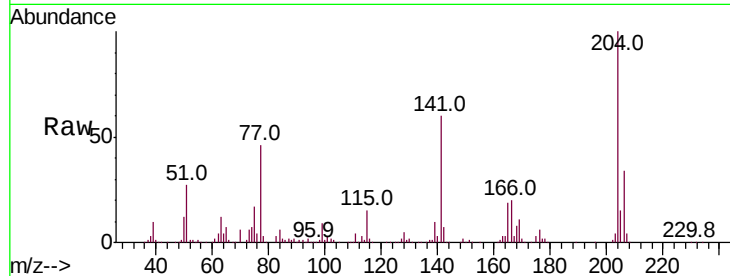
#61
4-Chlorophenyl-phenylether
Concen: 45.003 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.4	39.6
141	60.4	47.0	70.4

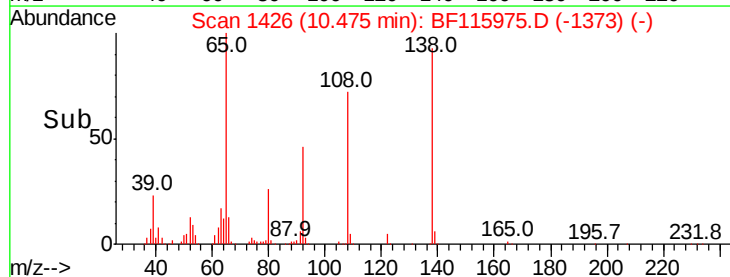
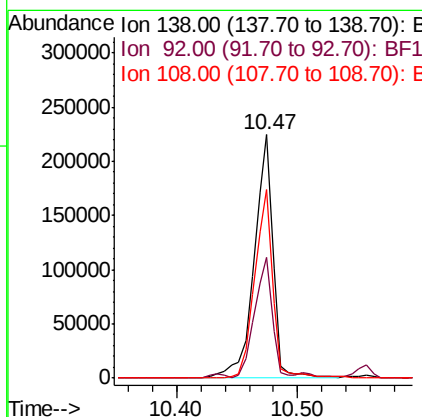
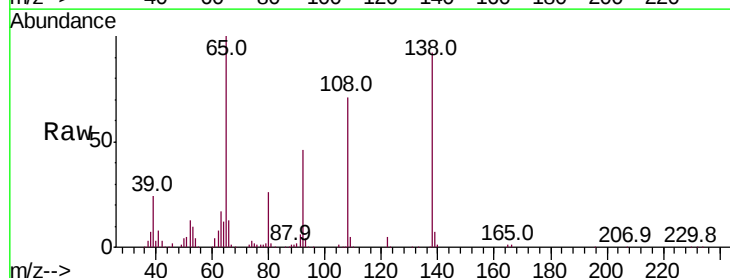
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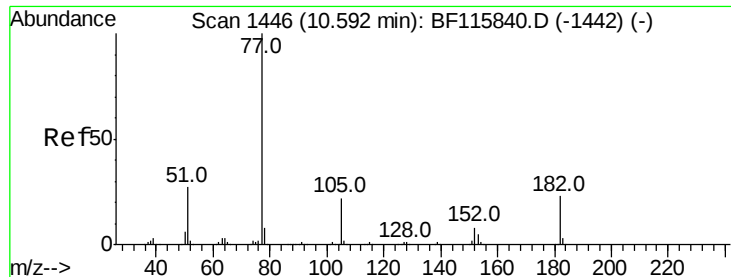
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#62
4-Nitroaniline
Concen: 40.563 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.6	31.0	71.0
108	77.5	56.7	96.7





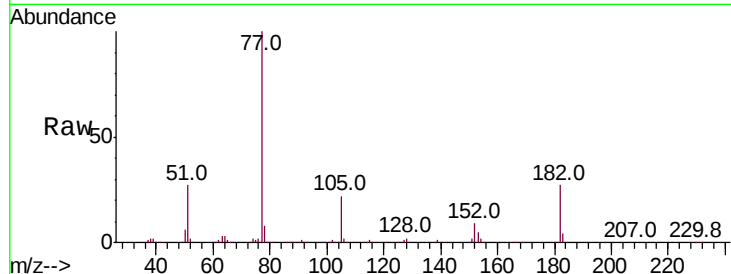
#63
Azobenzene
Concen: 45.722 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

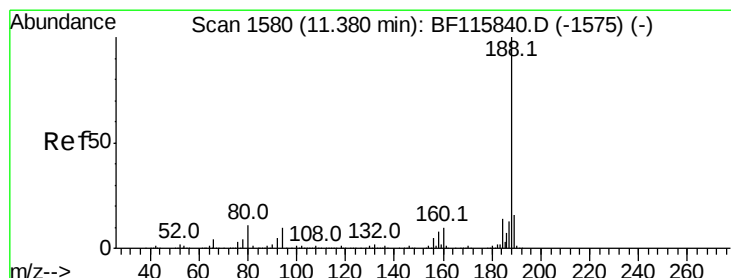
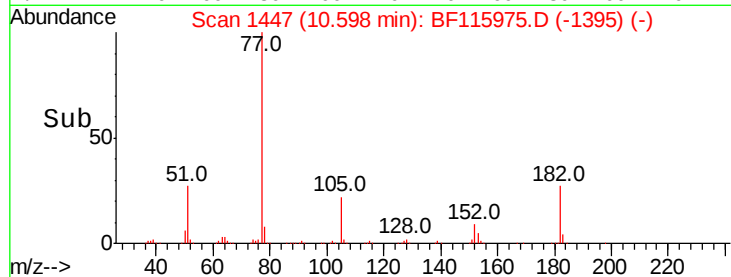
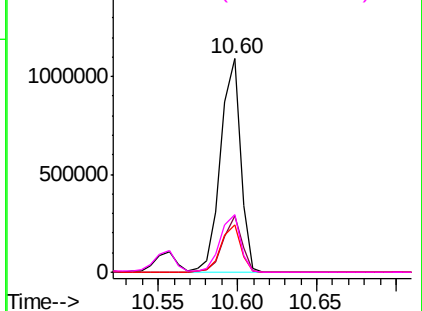
Tot Ion	Ratio	Resp	Lower	Upper
77	100			
182	26.5	2.6	42.6	
105	22.4	1.6	41.6	
51	26.9	7.4	47.4	

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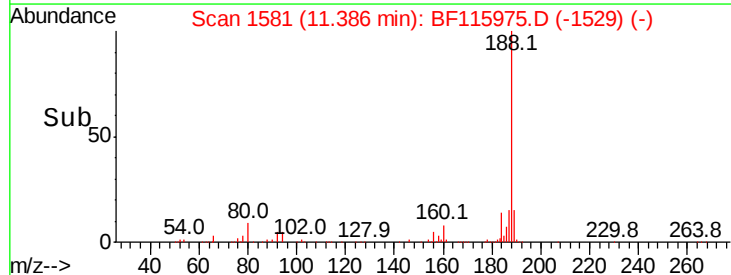
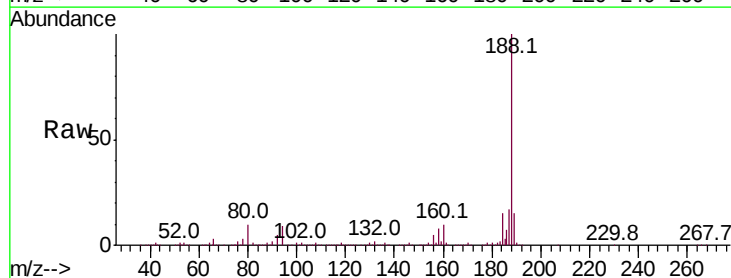
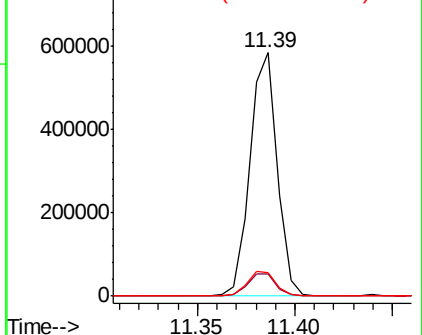
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

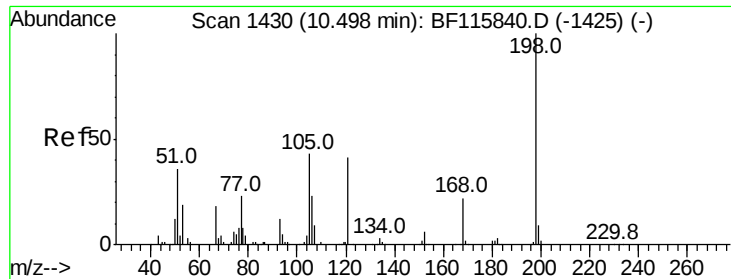


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.0	8.0	12.0	
80	9.8	8.6	12.8	

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 45.806 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

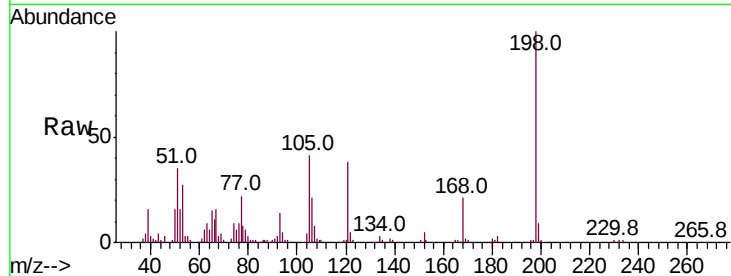
ClientSampleId :

IDOC BS-SOIL01-RC

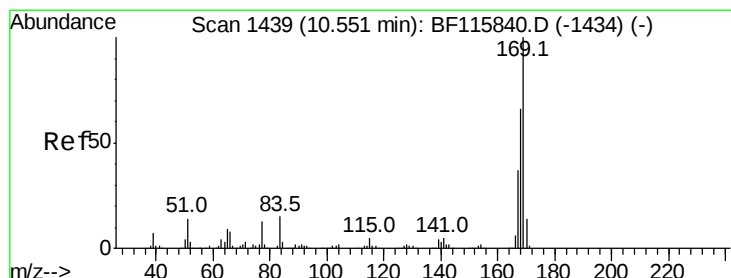
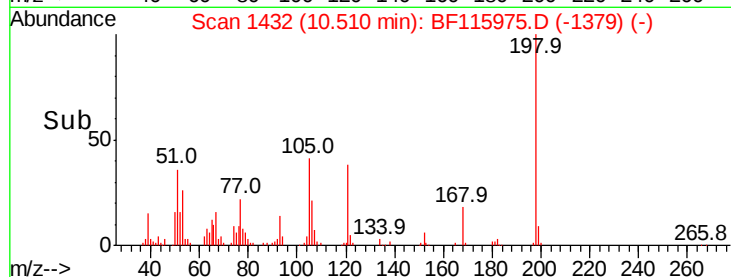
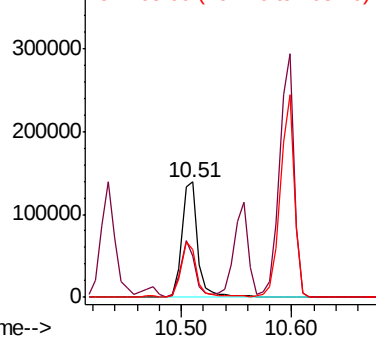
Tot Ion:	198	Resp:	136466
Ion Ratio	Lower	Upper	
198	100		
51	35.5	21.1	61.1
105	40.9	24.5	64.5

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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: 45.572 ng

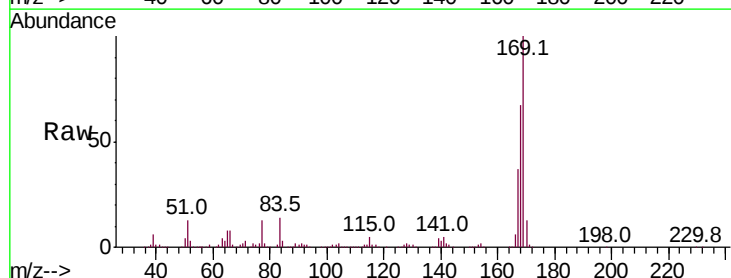
RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

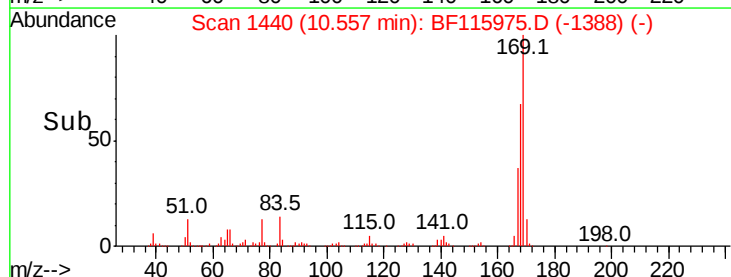
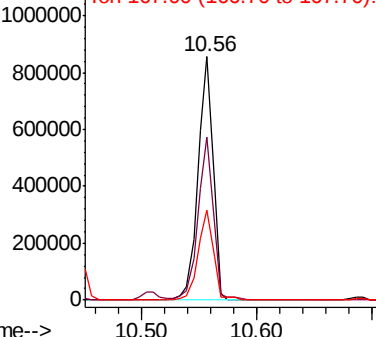
Lab File: BF115975.D

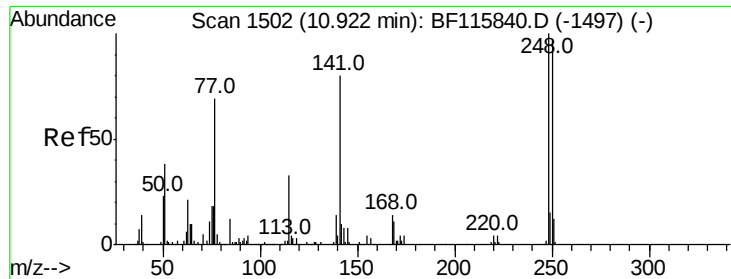
Acq: 3 Aug 2019 12:23

Tgt Ion:	169	Resp:	771130
Ion Ratio	Lower	Upper	
169	100		
168	66.9	53.0	79.6
167	37.1	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





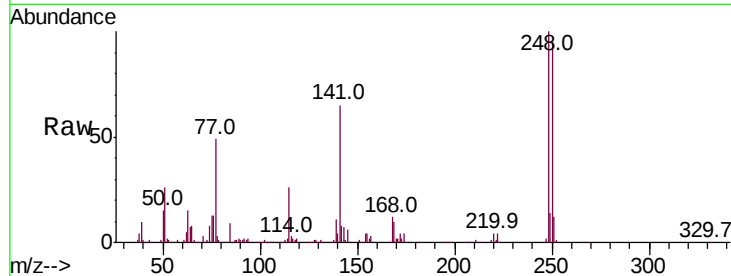
#67
4-Bromophenyl-phenylether
Concen: 44.985 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.1	77.8	116.6
141	65.3	64.3	96.5

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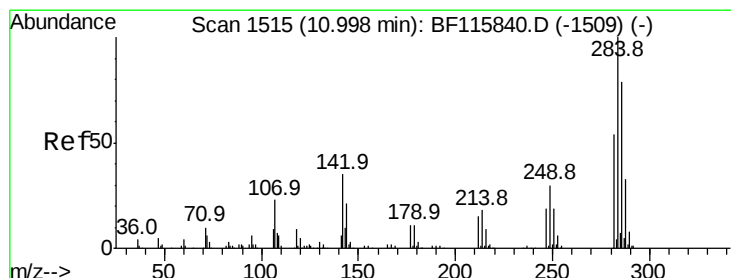
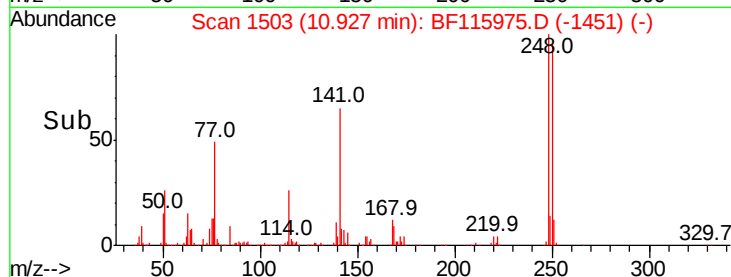
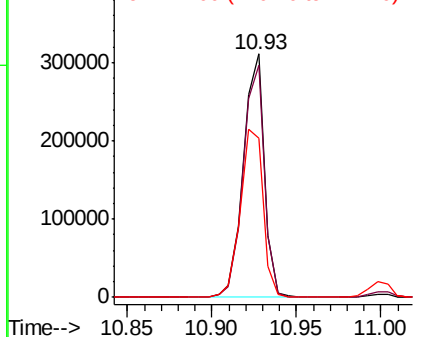


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 42.922 ng
RT: 11.00 min Scan# 1516
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

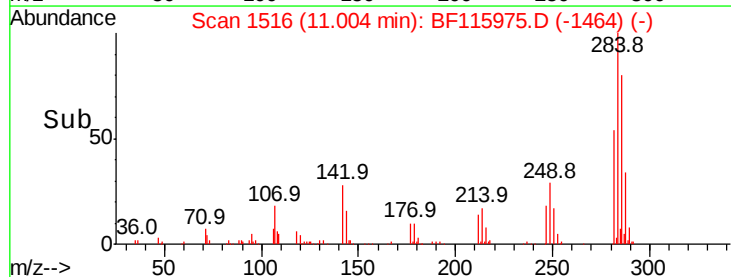
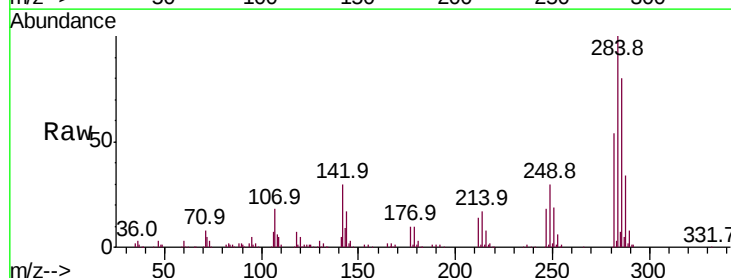
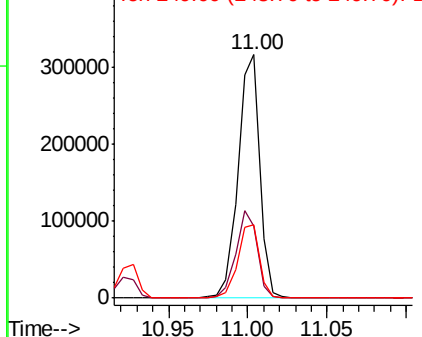
Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.6	28.2	42.2
249	30.0	24.0	36.0

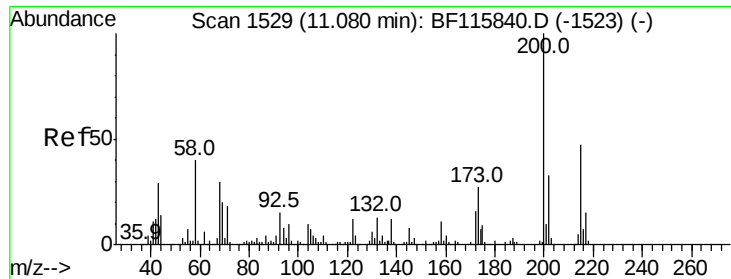
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





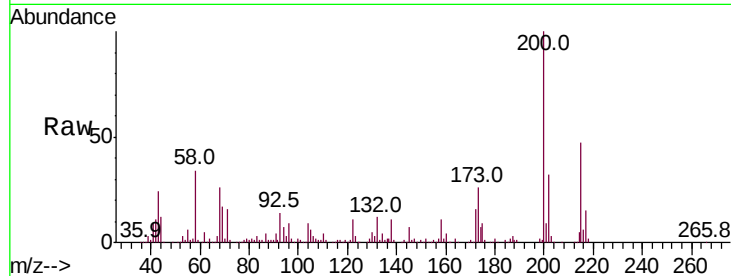
#69
Atrazine
Concen: 45.263 ng
RT: 11.09 min Scan# 1530
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Resp	Lower	Upper
200	100	251969		
173	26.1	7.3	47.3	
215	46.7	26.9	66.9	

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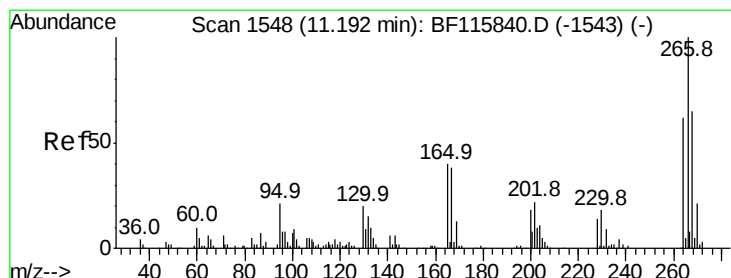
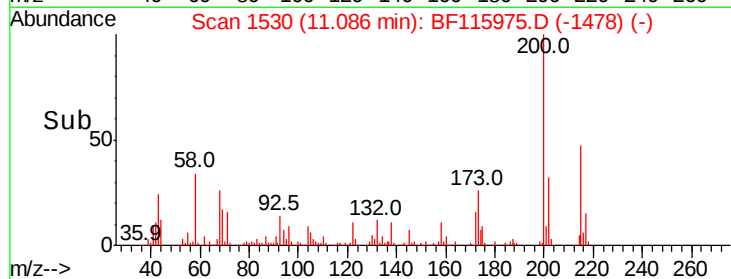
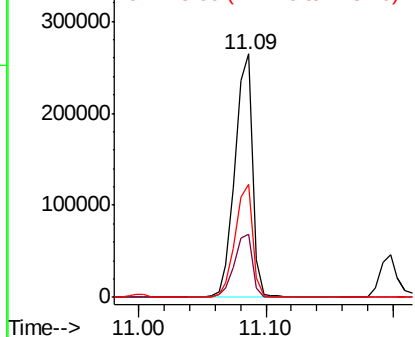


Abundance

Ion 200.00 (199.70 to 200.70): E

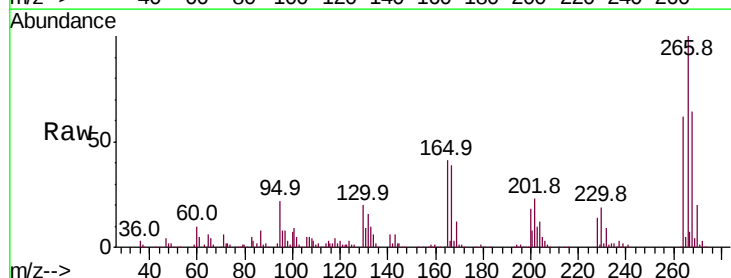
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 85.843 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	290031		
268	63.7	51.6	77.4	
264	61.8	49.4	74.0	

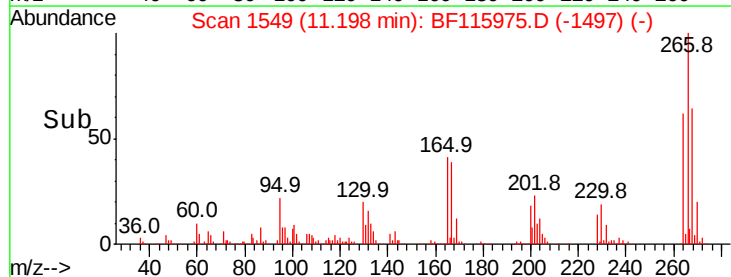
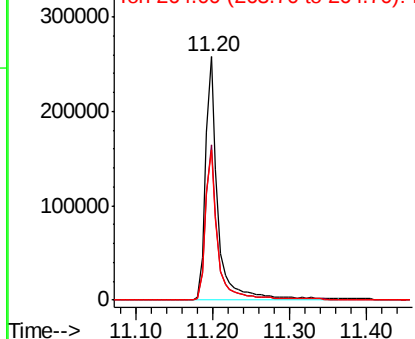


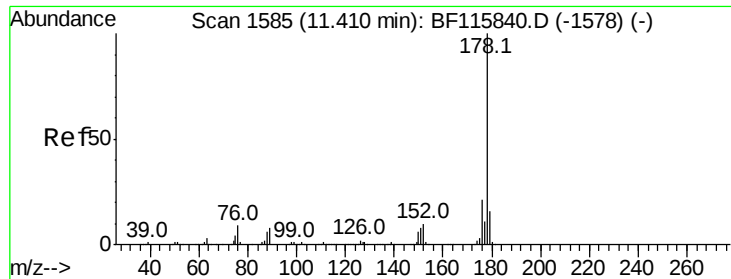
Abundance

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: 44.204 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion:178 Resp: 1270437

Ion Ratio Lower Upper

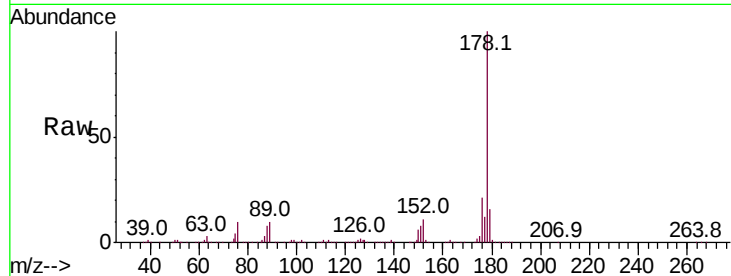
178 100

176 20.8 16.5 24.7

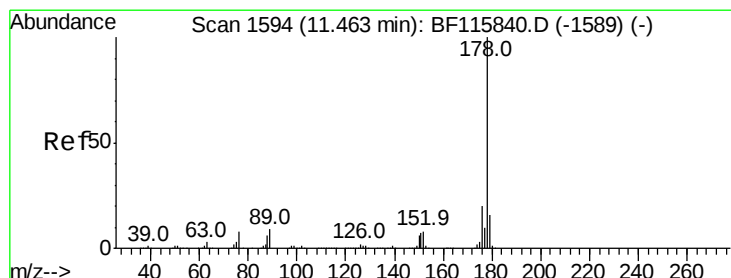
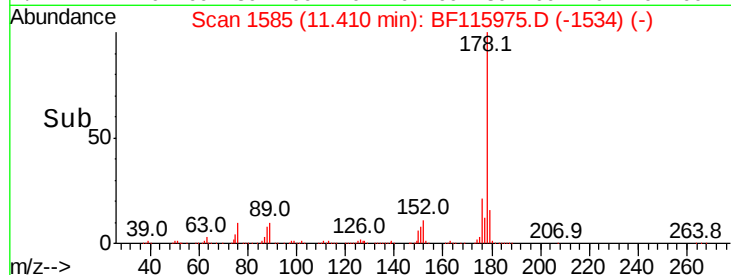
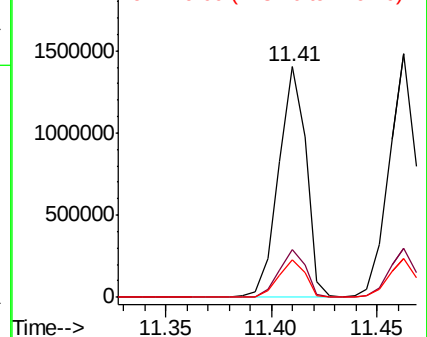
179 16.2 12.6 18.8

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Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 45.229 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion:178 Resp: 1315553

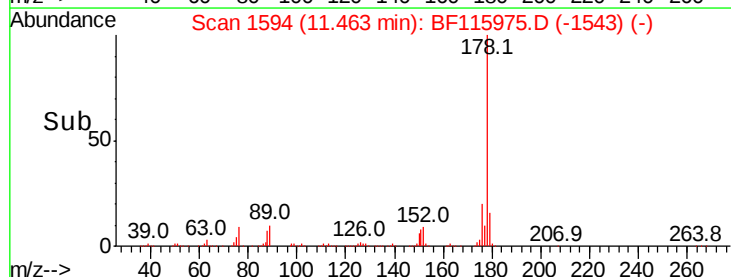
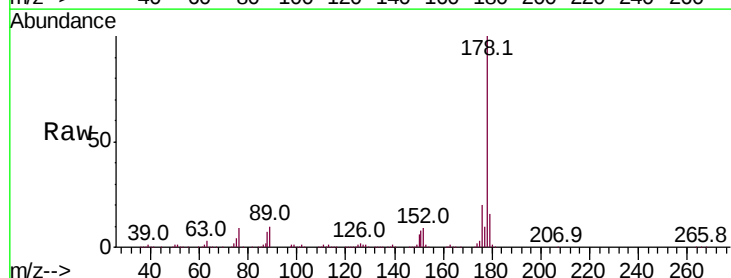
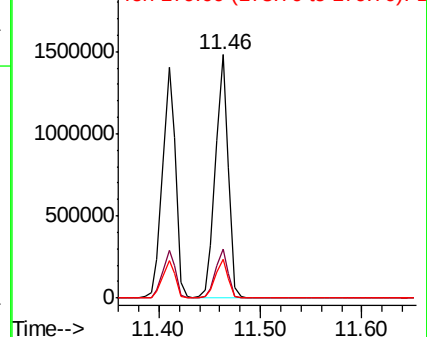
Ion Ratio Lower Upper

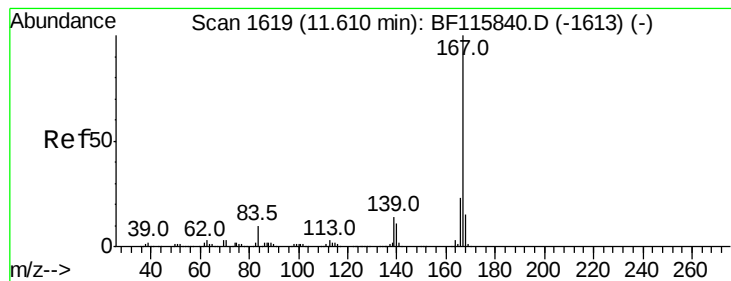
178 100

176 20.3 15.7 23.5

179 16.2 12.4 18.6

Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 44.984 ng

RT: 11.62 min Scan# 1620

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion:167 Resp: 1187049

Ion Ratio Lower Upper

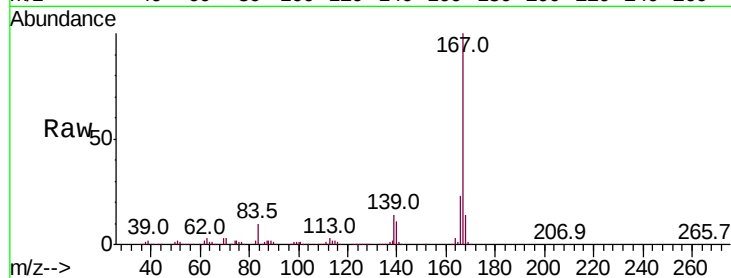
167 100

166 22.6 18.0 27.0

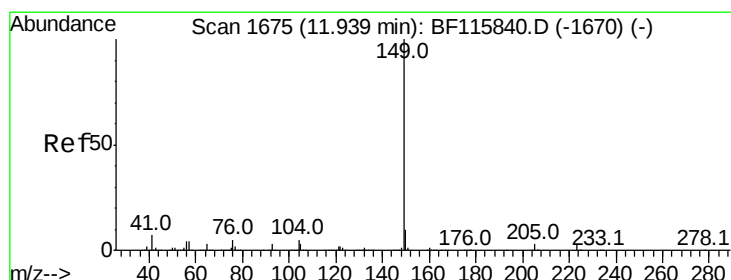
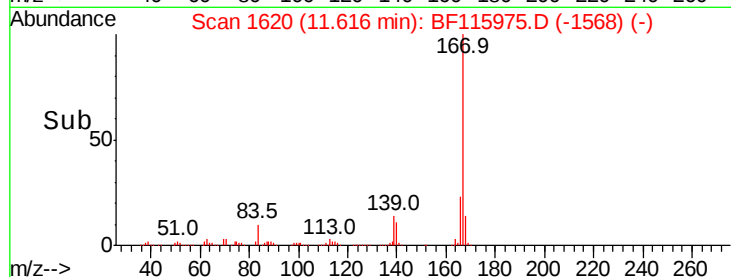
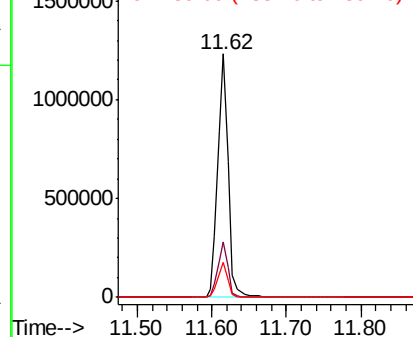
139 14.1 11.4 17.2

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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: 46.760 ng

RT: 11.94 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

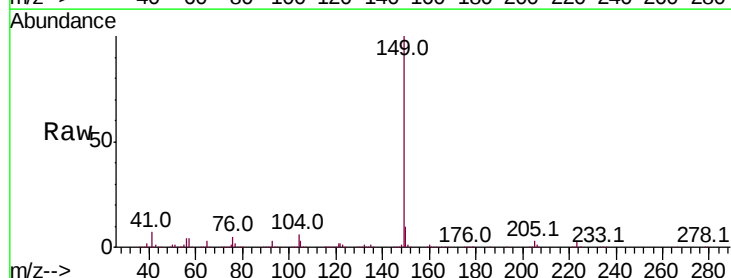
Tgt Ion:149 Resp: 1439442

Ion Ratio Lower Upper

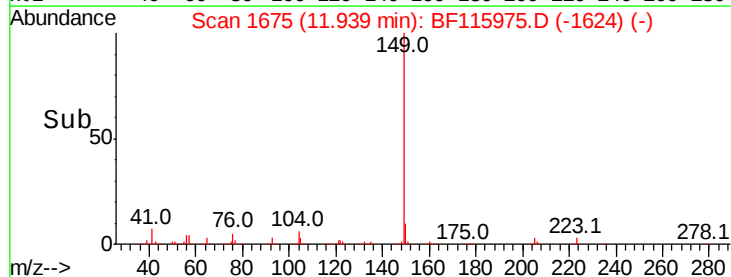
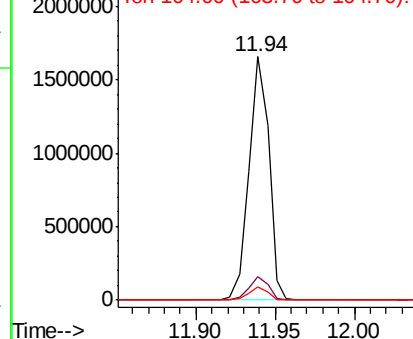
149 100

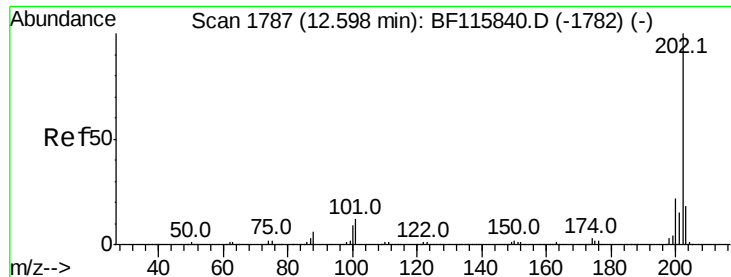
150 9.8 7.7 11.5

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: 44.780 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion:202 Resp: 1347345

Ion Ratio Lower Upper

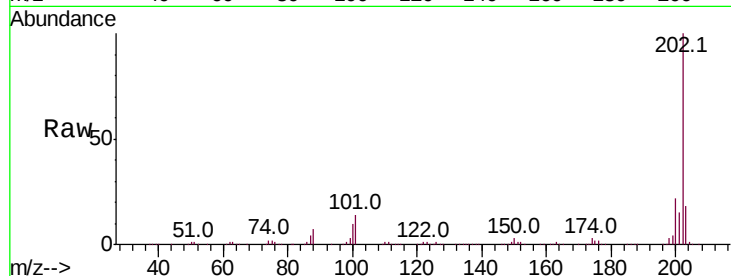
202 100

101 13.6 0.0 31.5

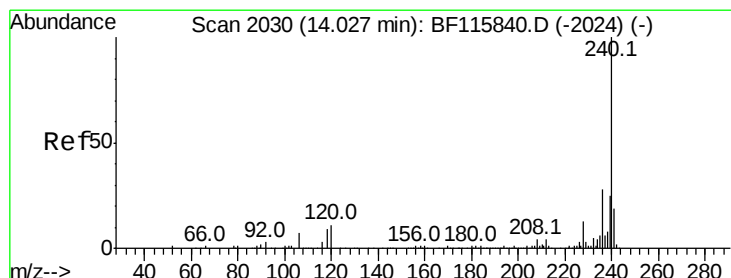
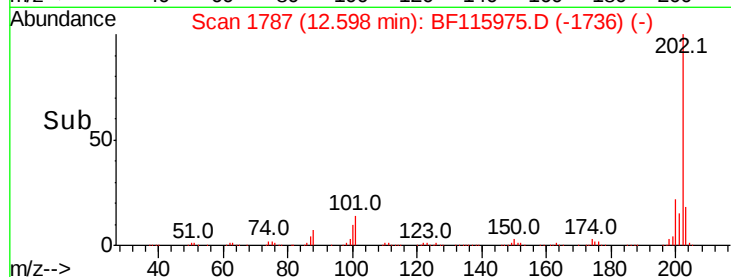
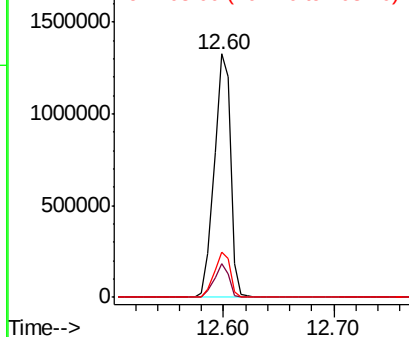
203 18.4 0.0 37.9

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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: BF115975.D

Acq: 3 Aug 2019 12:23

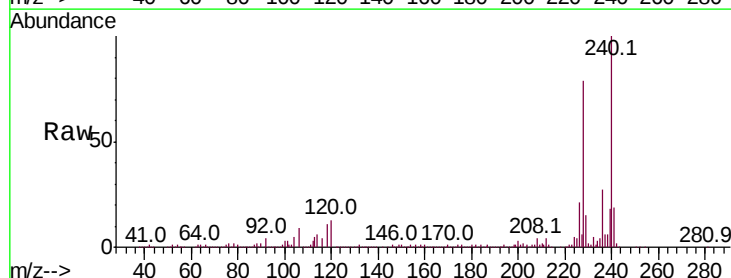
Tgt Ion:240 Resp: 408330

Ion Ratio Lower Upper

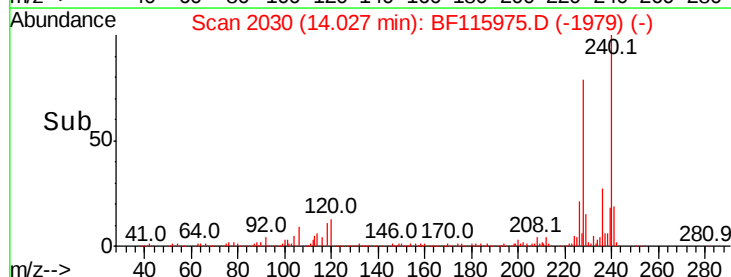
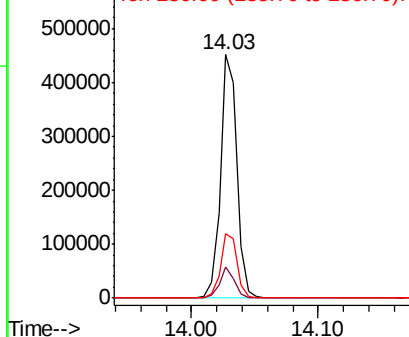
240 100

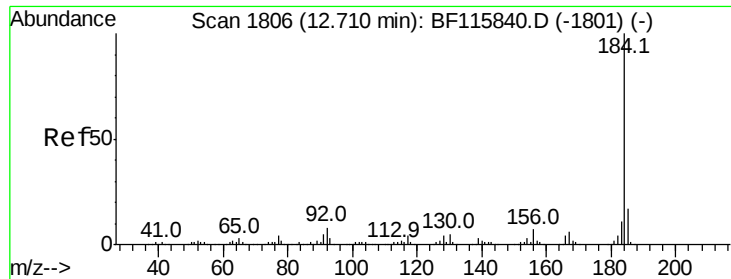
120 13.0 8.5 12.7#

236 26.6 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: 45.971 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

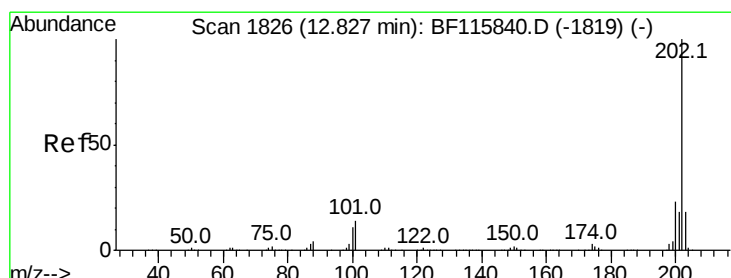
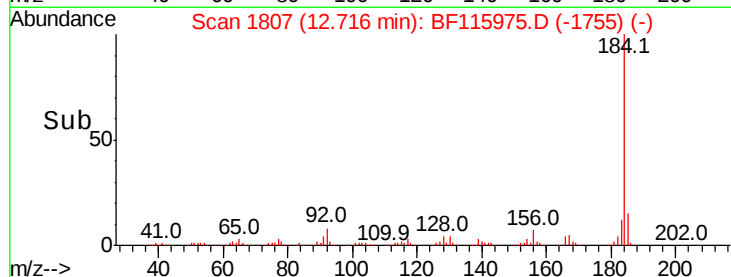
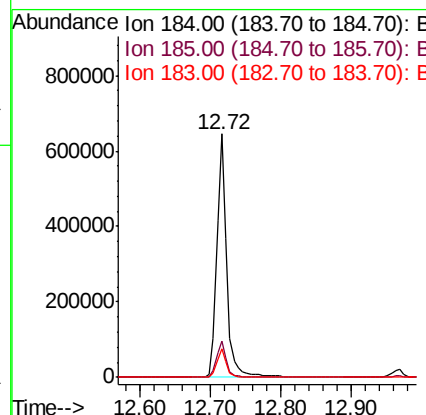
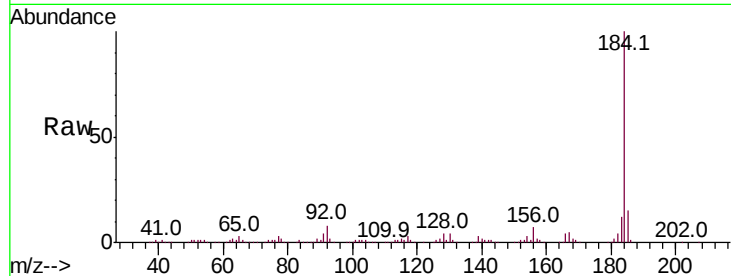
ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.8	13.4	20.2
183	11.7	9.1	13.7

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#78

Pyrene

Concen: 44.066 ng

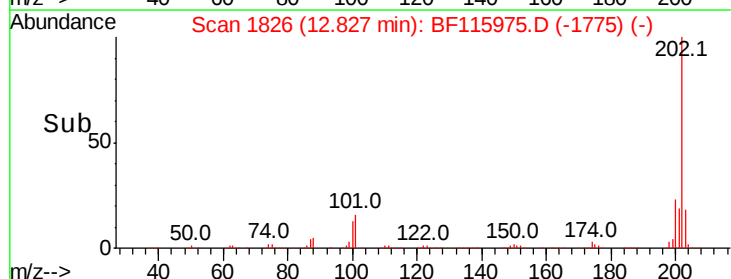
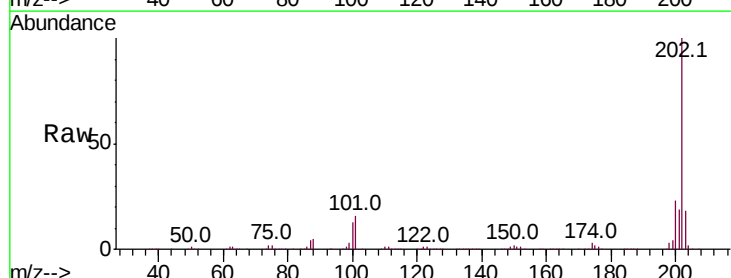
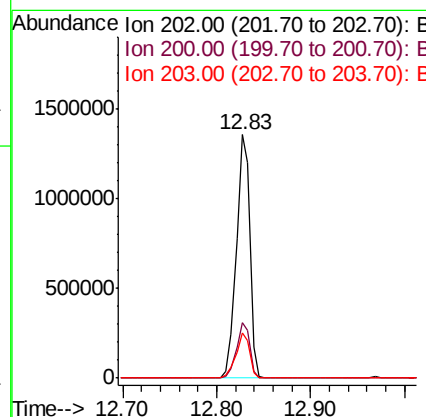
RT: 12.83 min Scan# 1826

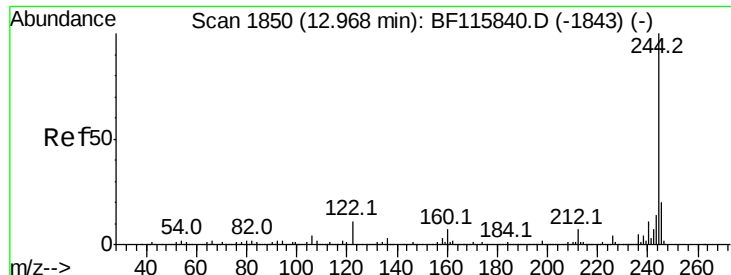
Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	18.2	27.2
203	18.4	14.3	21.5





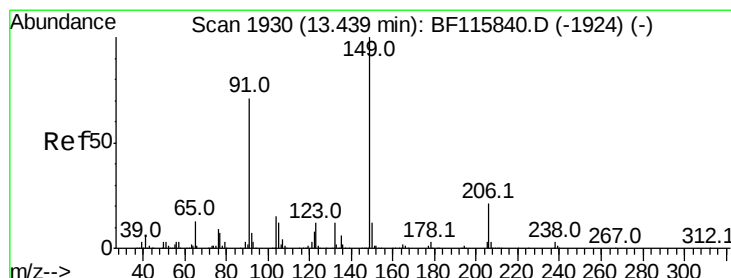
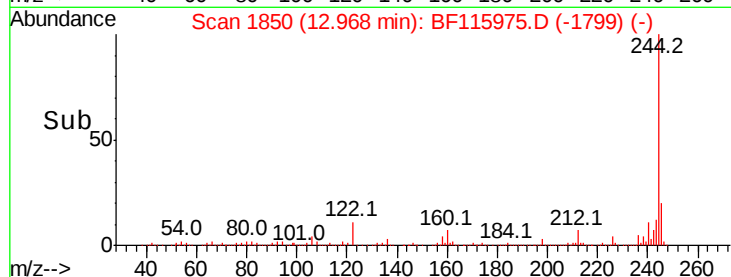
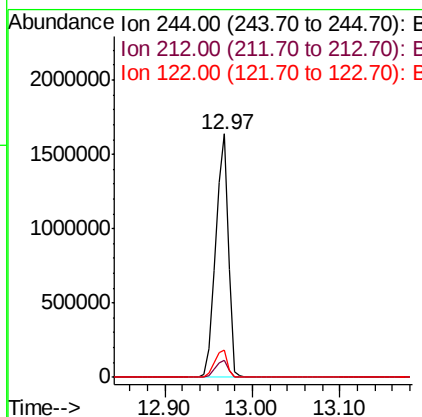
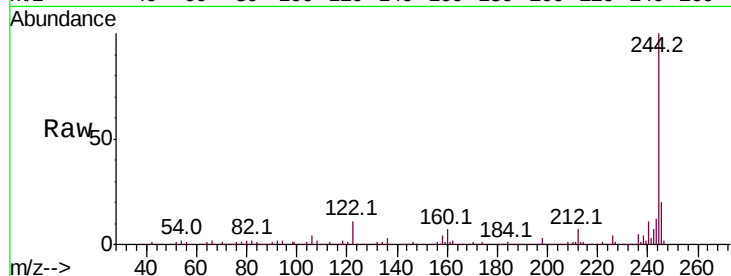
#79
 Terphenyl-d14
 Concen: 85.229 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.2	8.6	13.0

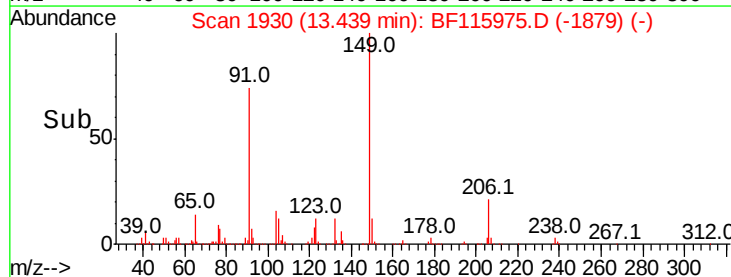
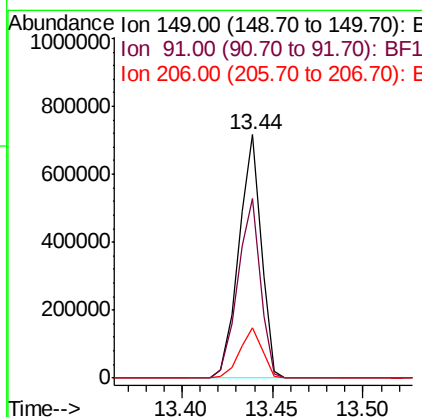
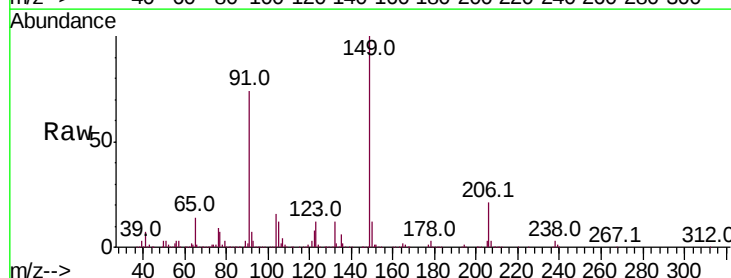
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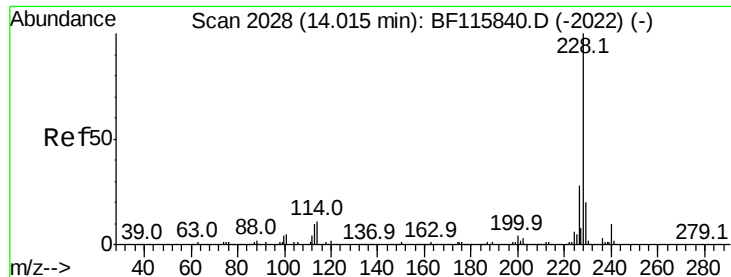
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#80
 Butylbenzylphthalate
 Concen: 47.347 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.7	57.0	85.6
206	20.8	16.9	25.3





#81

Benzo(a)anthracene

Concen: 44.427 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion:228 Resp: 1159488

Ion Ratio Lower Upper

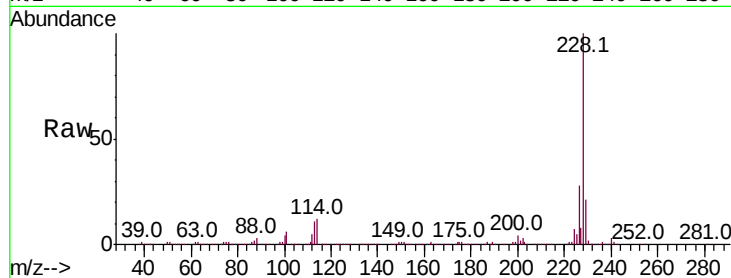
228 100

226 28.4 22.5 33.7

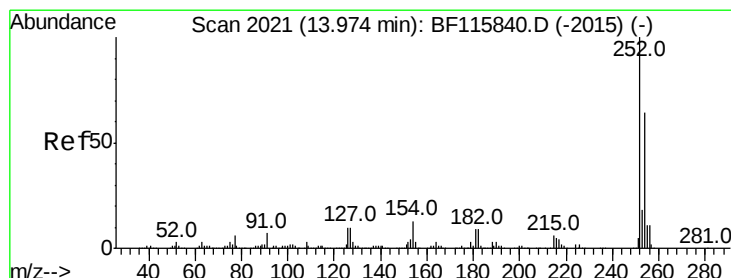
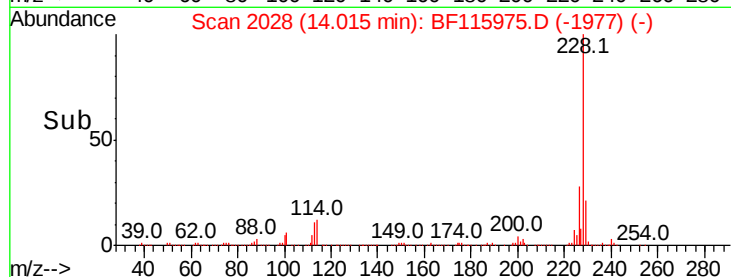
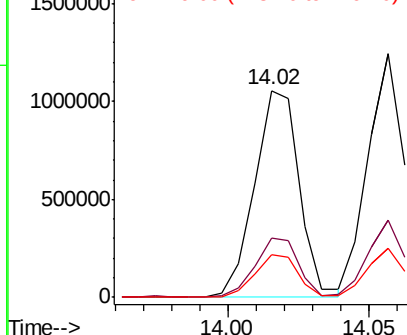
229 20.8 16.1 24.1

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 37.029 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

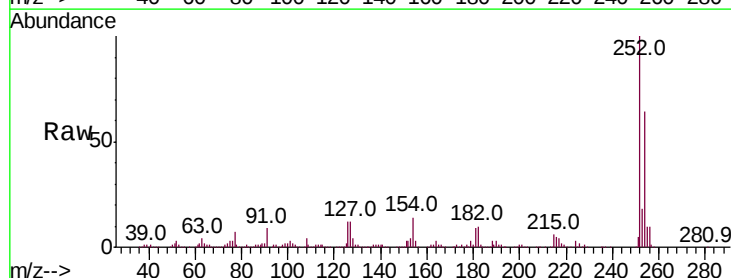
Tgt Ion:252 Resp: 335752

Ion Ratio Lower Upper

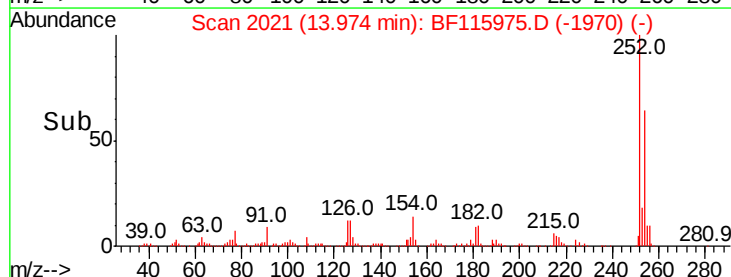
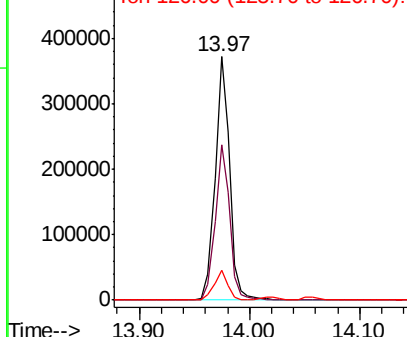
252 100

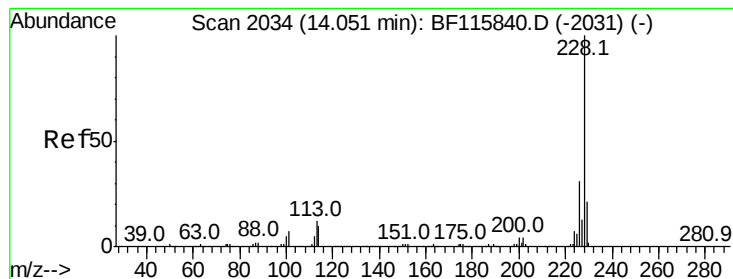
254 63.9 51.2 76.8

126 12.1 8.1 12.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 43.689 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tot Ion:228 Resp: 1107003

Ion Ratio Lower Upper

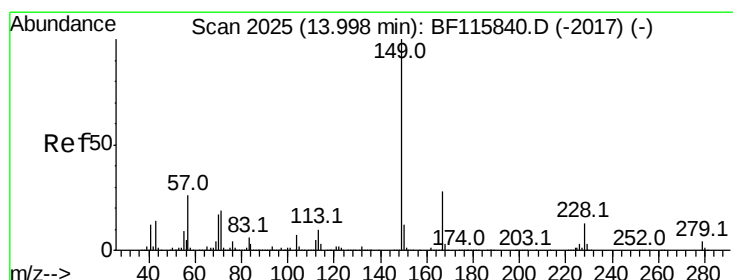
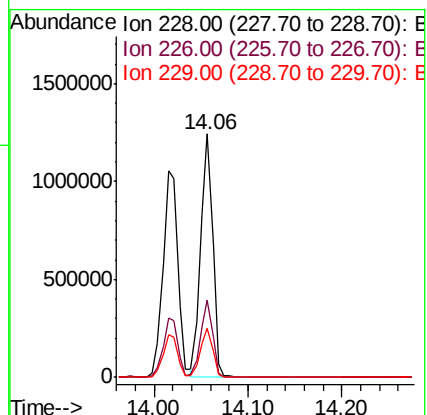
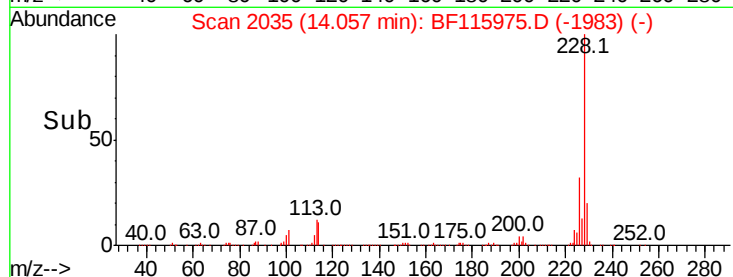
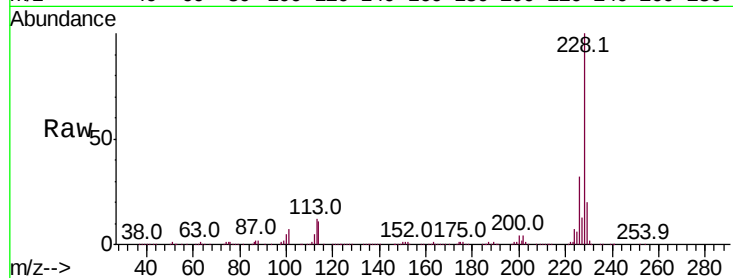
228 100

226 31.8 24.8 37.2

229 20.4 16.4 24.6

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#84

Bis(2-ethylhexyl)phthalate

Concen: 50.197 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

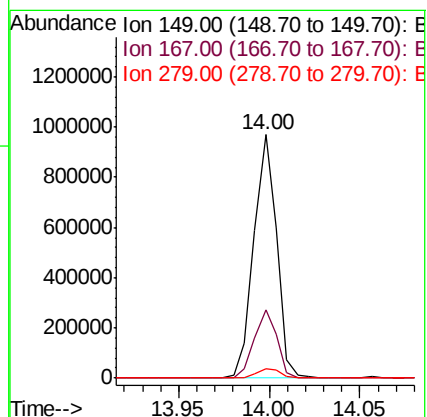
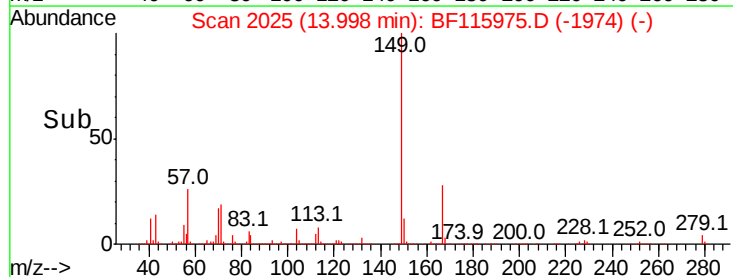
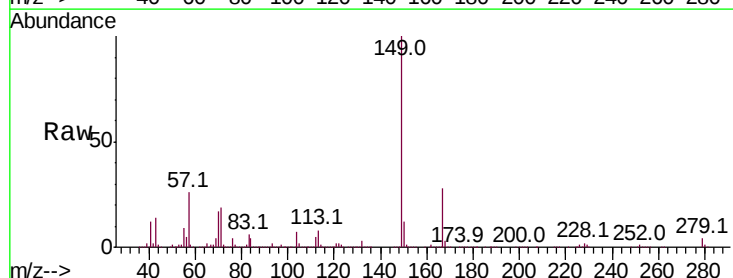
Tgt Ion:149 Resp: 849329

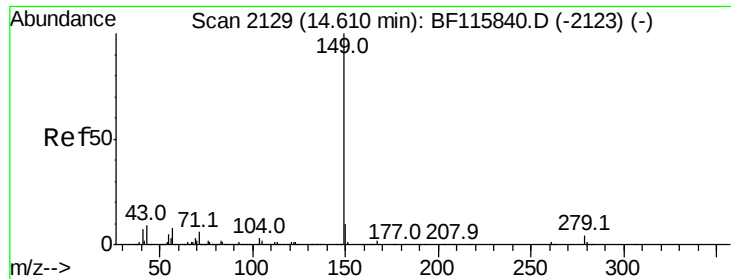
Ion Ratio Lower Upper

149 100

167 27.9 22.4 33.6

279 4.1 3.3 4.9





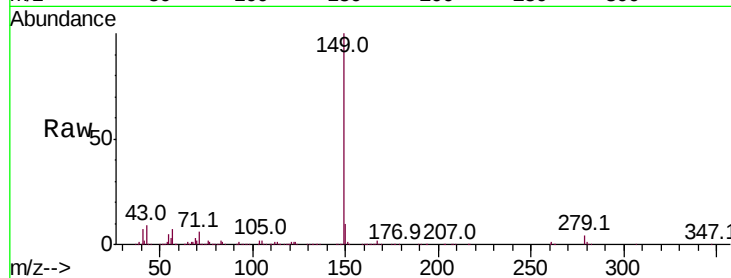
#85
Di-n-octyl phthalate
Concen: 50.899 ng
RT: 14.61 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

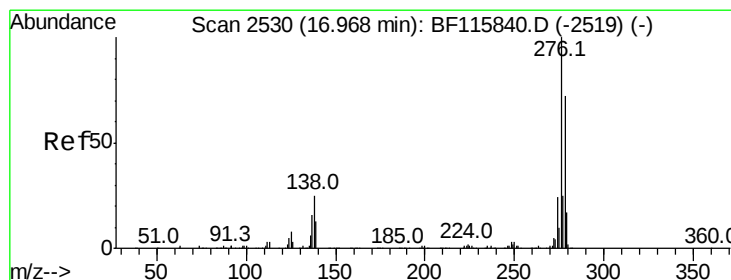
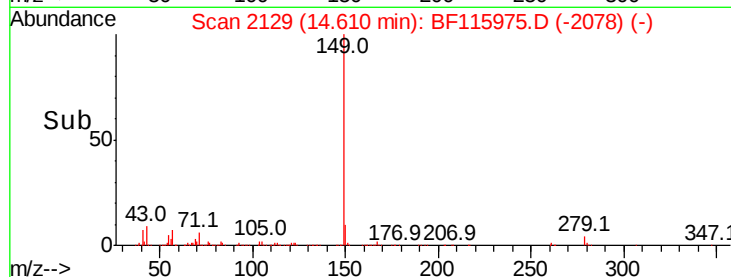
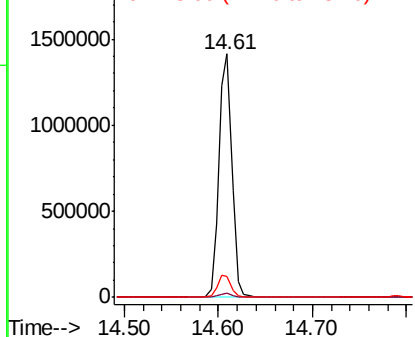
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.2	7.4	11.0

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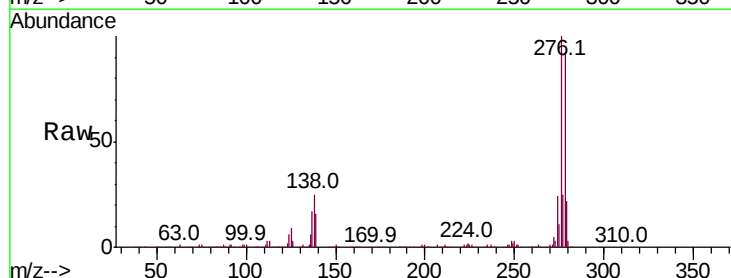


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

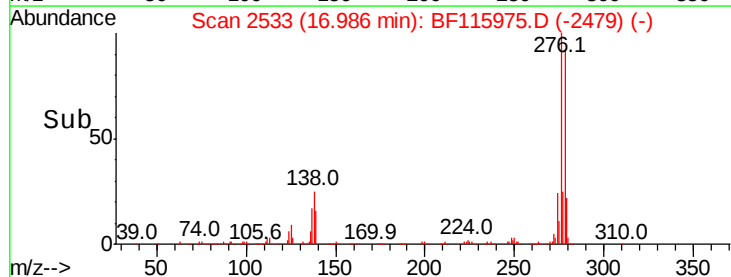
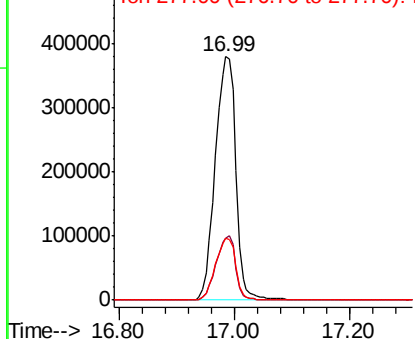


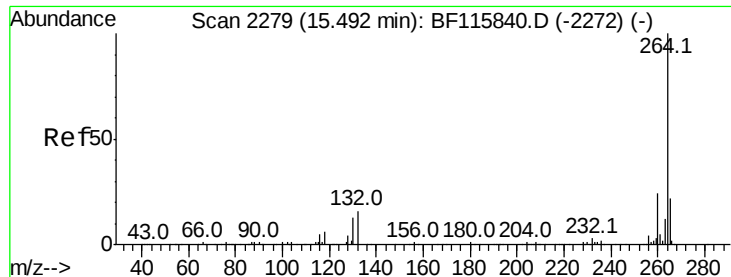
#86
Indeno(1,2,3-cd)pyrene
Concen: 44.290 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.02 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.6	29.4
277	25.0	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





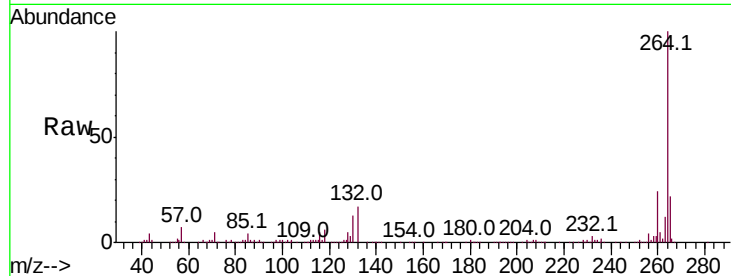
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.0	17.5	26.3

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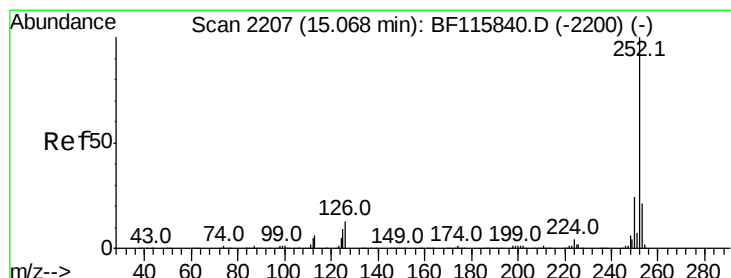
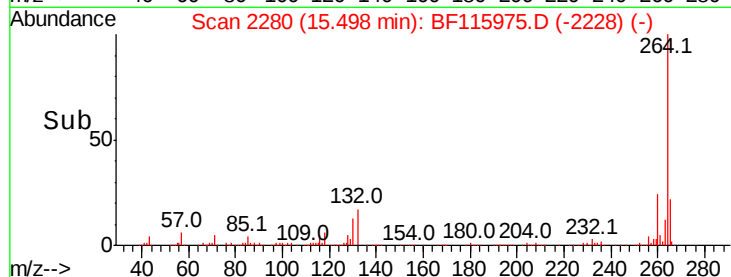
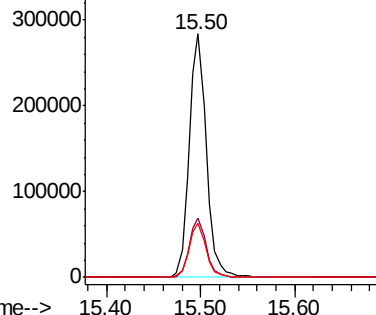


Abundance

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: 51.737 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

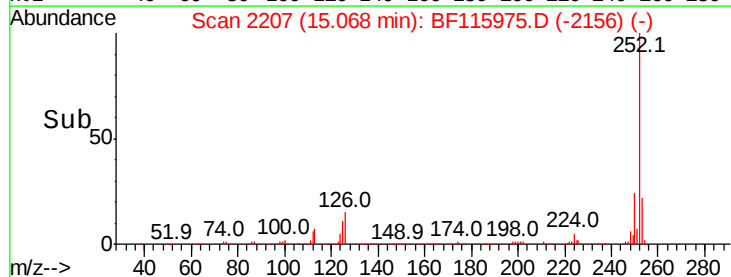
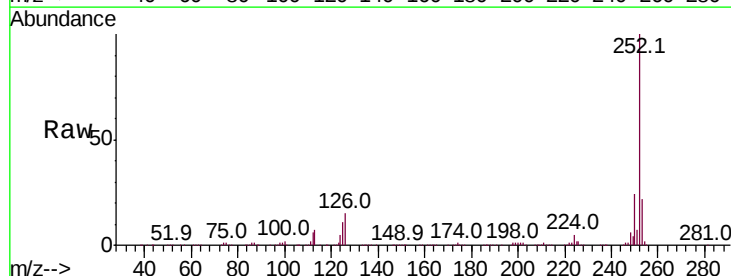
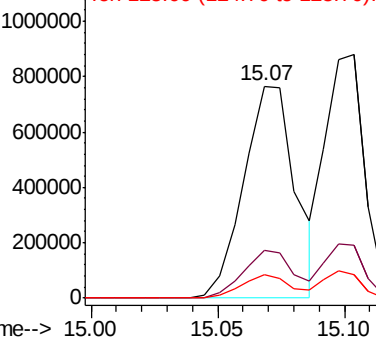
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.9	7.4	11.0

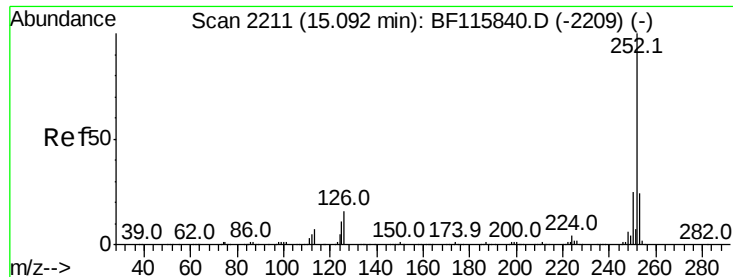
Abundance

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





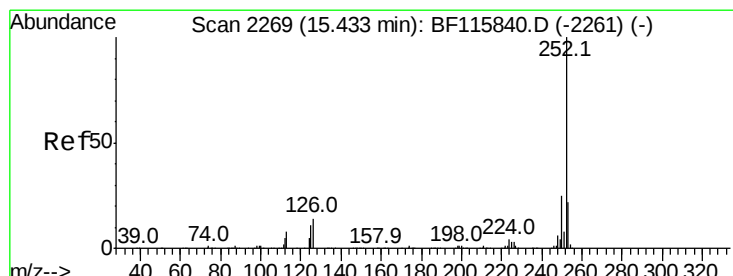
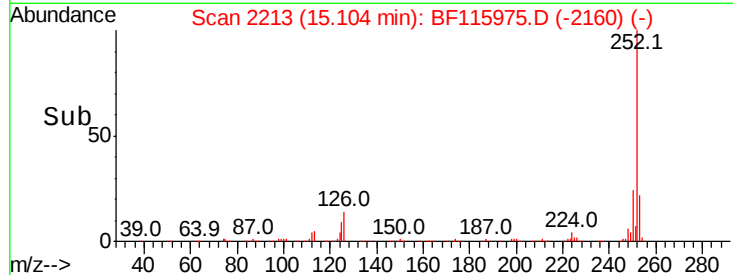
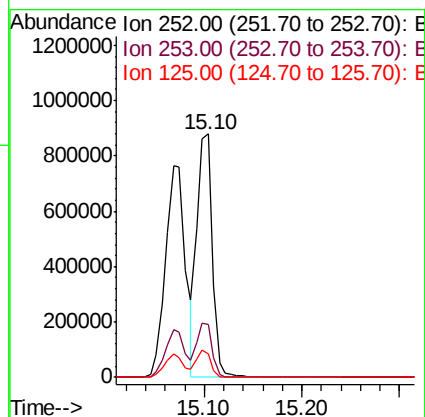
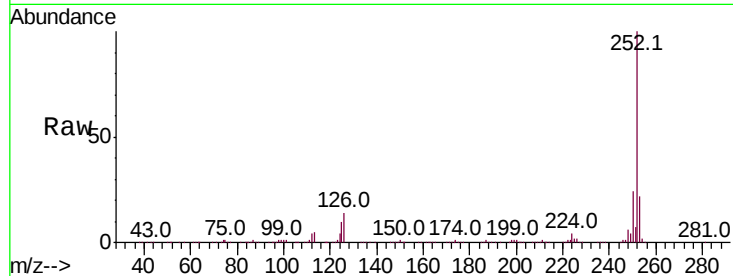
#89
Benzo(k)fluoranthene
Concen: 46.905 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	9.5	8.9	13.3

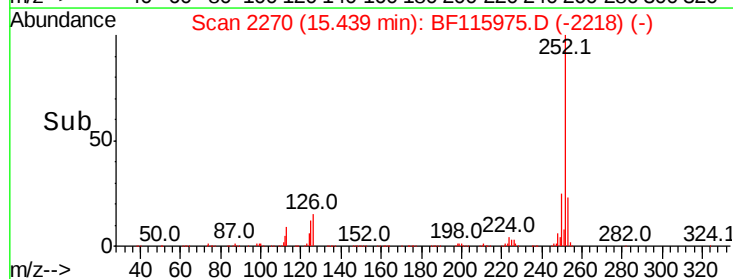
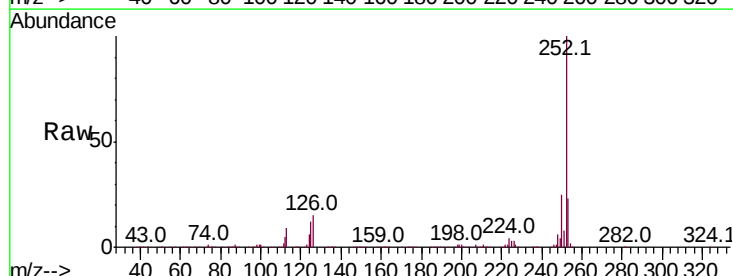
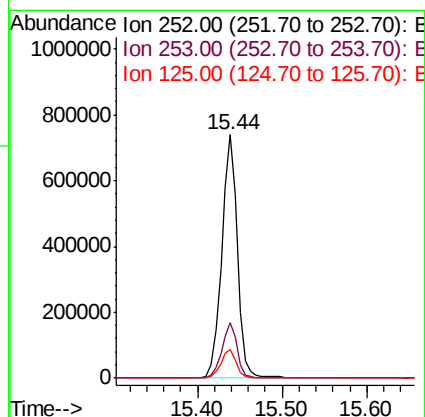
Manual Integrations
APPROVED

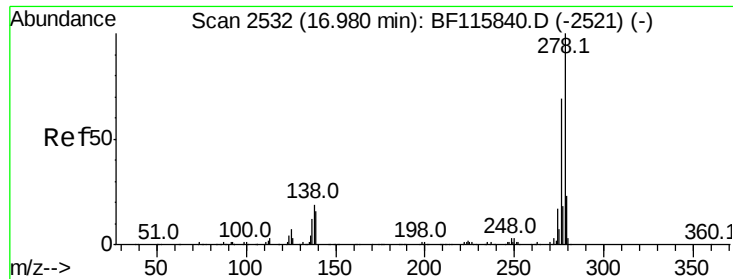
mohammad
8/8/2019 4:45:19 PM



#90
Benzo(a)pyrene
Concen: 51.083 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

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





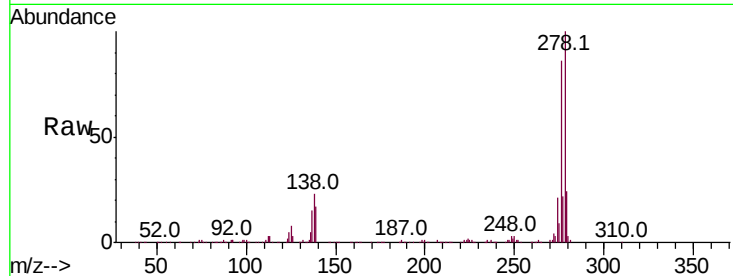
#91
Dibenzo(a,h)anthracene
Concen: 48.580 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

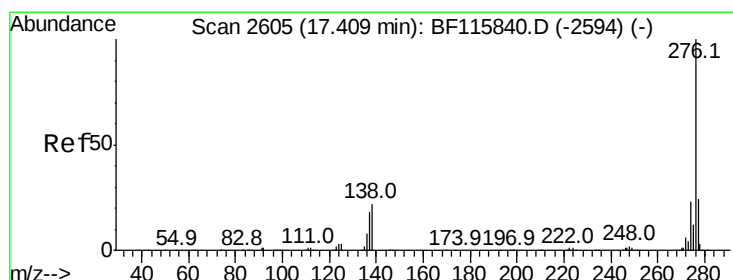
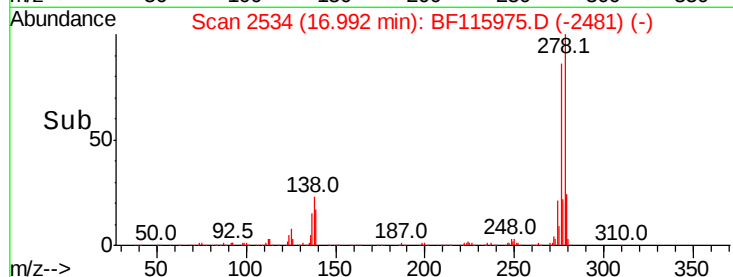
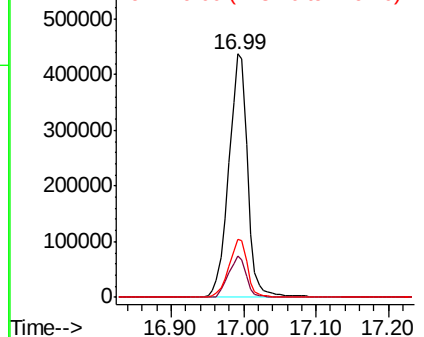
Tot Ion	Ratio	Lower	Upper
278	100		
139	16.9	12.6	19.0
279	24.1	18.8	28.2

Manual Integrations
APPROVED

mohammad
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 47.962 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.5	29.3
138	22.0	17.8	26.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

