

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080319\
 Data File : BF115978.D
 Acq On : 3 Aug 2019 13:43
 Operator : HP/JU
 Sample : IDOC BS-SOIL04-RC
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Manual Integrations
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mohammad
 8/8/2019 4:45:27 PM

Quant Time: Aug 05 01:59:07 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	146416	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	610600	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	342997	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	606741	20.00	ng	0.00
76) Chrysene-d12	14.03	240	421117	20.00	ng	0.00
87) Perylene-d12	15.50	264	385382	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1025720	117.28	ng	0.02
7) Phenol-d6	6.49	99	1311352	118.84	ng	0.00
23) Nitrobenzene-d5	7.42	82	876993	82.91	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	391446	117.71	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1539817	84.09	ng	0.00
79) Terphenyl-d14	12.97	244	1741845	87.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.71	88	178201	40.331	ng	98
3) Pyridine	3.46	79	455099	36.872	ng	98
4) n-Nitrosodimethylamine	3.41	42	207118	42.522	ng	98
6) Aniline	6.52	93	541242	34.249	ng	96
8) 2-Chlorophenol	6.65	128	450402	46.570	ng	98
9) Benzaldehyde	6.40	77	250330	32.878	ng	99
10) Phenol	6.50	94	578952	44.553	ng	90
11) bis(2-Chloroethyl)ether	6.59	93	435536	45.588	ng	99
12) 1,3-Dichlorobenzene	6.79	146	485653	43.450	ng	97
13) 1,4-Dichlorobenzene	6.87	146	492901	44.043	ng	100
14) 1,2-Dichlorobenzene	7.02	146	454208	44.077	ng	98
15) Benzyl Alcohol	7.00	79	388016	46.334	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	580579	44.553	ng	95
17) 2-Methylphenol	7.11	107	386240	47.164	ng	99
18) Hexachloroethane	7.36	117	183178	44.456	ng	96
19) n-Nitroso-di-n-propylamine	7.27	70	315609	46.155	ng	100
20) 3+4-Methylphenols	7.26	107	454600	46.909	ng	# 88
22) Acetophenone	7.26	105	612427	45.733	ng	97
24) Nitrobenzene	7.43	77	515296	45.115	ng	100
25) Isophorone	7.67	82	948529	46.894	ng	100
26) 2-Nitrophenol	7.75	139	257144	47.760	ng	100
27) 2,4-Dimethylphenol	7.79	122	422296	52.134	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	576947	46.020	ng	99
29) 2,4-Dichlorophenol	8.00	162	408997	47.821	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	430450	44.152	ng	98
31) Naphthalene	8.16	128	1320949	45.972	ng	100
32) Benzoic acid	7.95	122	262719	46.003	ng	99
33) 4-Chloroaniline	8.20	127	372265	28.996	ng	100
34) Hexachlorobutadiene	8.27	225	241134	42.940	ng	100
35) Caprolactam	8.59	113	128735m	46.539	ng	
36) 4-Chloro-3-methylphenol	8.70	107	437671	49.190	ng	97
37) 2-Methylnaphthalene	8.85	142	898602	47.486	ng	99
38) 1-Methylnaphthalene	8.95	142	851319	47.553	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	404852	44.151	ng	98

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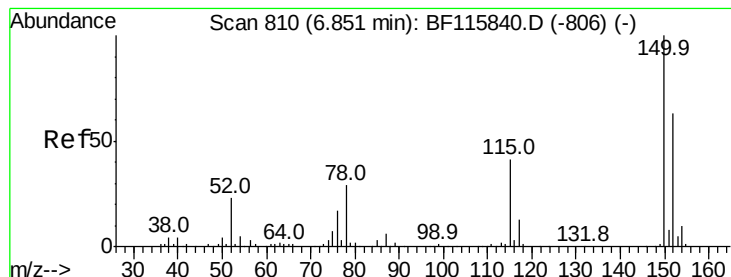
Manual Integrations
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	282619	69.494	ng	100
43) 2,4,6-Trichlorophenol	9.13	196	274406	43.476	ng	99
44) 2,4,5-Trichlorophenol	9.18	196	294318	45.111	ng	97
46) 1,1'-Biphenyl	9.32	154	1086345	44.862	ng	100
47) 2-Chloronaphthalene	9.35	162	862527	42.796	ng	99
48) 2-Nitroaniline	9.44	65	282155	42.354	ng	91
49) Acenaphthylene	9.76	152	1323425	45.009	ng	100
50) Dimethylphthalate	9.62	163	1065859	45.639	ng	99
51) 2,6-Dinitrotoluene	9.69	165	237939	46.882	ng	97
52) Acenaphthene	9.93	154	789522	43.768	ng	99
53) 3-Nitroaniline	9.85	138	191548	30.544	ng	90
54) 2,4-Dinitrophenol	9.97	184	206400	79.962	ng	98
55) Dibenzofuran	10.10	168	1168412	44.540	ng	97
56) 4-Nitrophenol	10.03	139	353832	88.077	ng	93
57) 2,4-Dinitrotoluene	10.09	165	305572	45.221	ng	90
58) Fluorene	10.45	166	903984	44.790	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	247878	45.159	ng	99
60) Diethylphthalate	10.32	149	1014815	46.542	ng	100
61) 4-Chlorophenyl-phenylether	10.43	204	464534	45.446	ng	98
62) 4-Nitroaniline	10.47	138	266993	41.197	ng	99
63) Azobenzene	10.60	77	1036399	46.212	ng	97
65) 4,6-Dinitro-2-methylphenol	10.51	198	154770	48.135	ng	97
66) n-Nitrosodiphenylamine	10.56	169	841082	46.056	ng	100
67) 4-Bromophenyl-phenylether	10.93	248	291168	44.829	ng	94
68) Hexachlorobenzene	11.00	284	325774	43.375	ng	96
69) Atrazine	11.09	200	274739	45.729	ng	99
70) Pentachlorophenol	11.20	266	317721	87.133	ng	98
71) Phenanthrene	11.41	178	1357749	43.773	ng	99
72) Anthracene	11.46	178	1417601	45.159	ng	99
73) Carbazole	11.62	167	1268024	44.524	ng	100
74) Di-n-butylphthalate	11.94	149	1554524	46.791	ng	99
75) Fluoranthene	12.60	202	1439569	44.332	ng	98
77) Benzidine	12.72	184	699965	49.199	ng	98
78) Pyrene	12.83	202	1463296	46.096	ng	100
80) Butylbenzylphthalate	13.44	149	654967	48.776	ng	98
81) Benzo(a)anthracene	14.02	228	1209278	44.927	ng	99
82) 3,3'-Dichlorobenzidine	13.97	252	340940	36.459	ng	# 99
83) Chrysene	14.06	228	1174435	44.943	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	902992	51.748	ng	99
85) Di-n-octyl phthalate	14.61	149	1451708	52.377	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	962070	43.835	ng	99
88) Benzo(b)fluoranthene	15.07	252	1120678m	50.292	ng	
89) Benzo(k)fluoranthene	15.10	252	1011621	46.610	ng	98
90) Benzo(a)pyrene	15.44	252	997910	50.097	ng	100
91) Dibenzo(a,h)anthracene	17.00	278	807917	46.856	ng	99
92) Benzo(g,h,i)perylene	17.43	276	780528	46.093	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF115978.D

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Instrument :

BNA_F

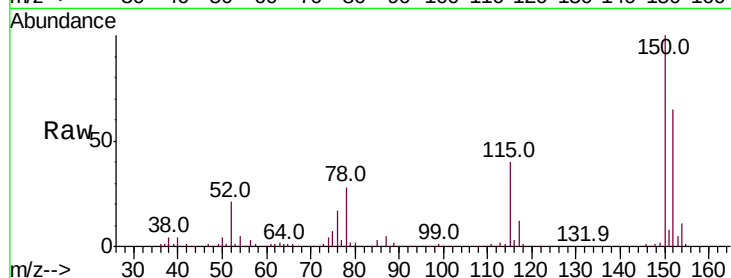
ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	127.4	191.0
115	61.6	51.8	77.8

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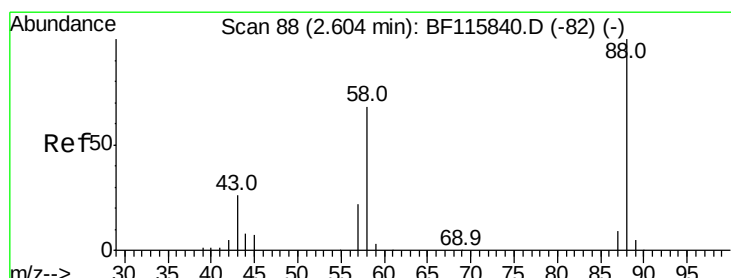
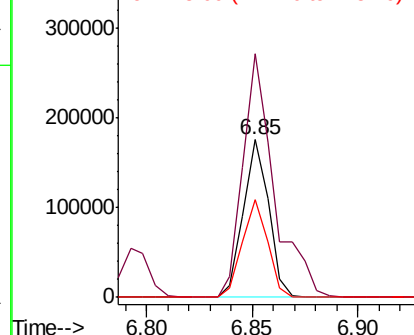
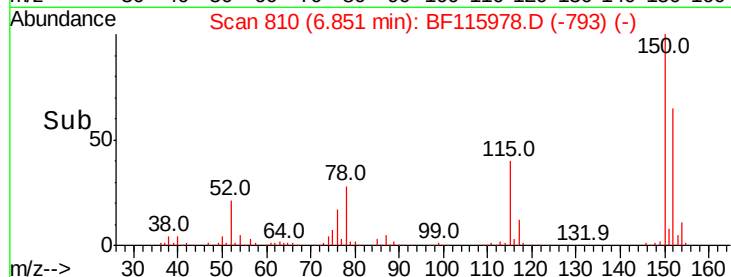


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 40.331 ng

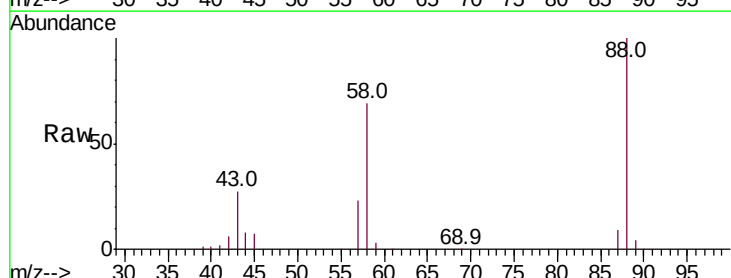
RT: 2.71 min Scan# 106

Delta R.T. 0.11 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.9	54.1	81.1
43	26.9	20.7	31.1

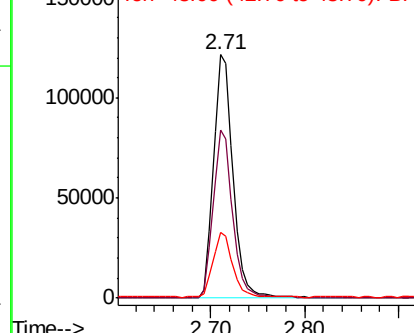
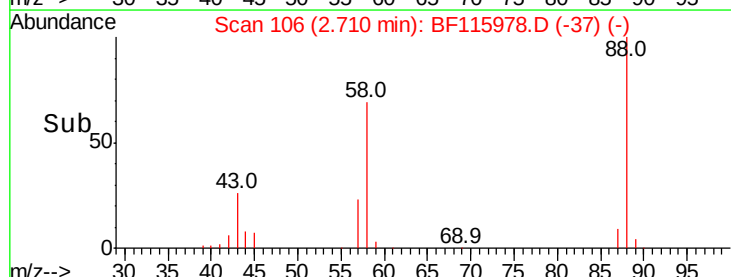


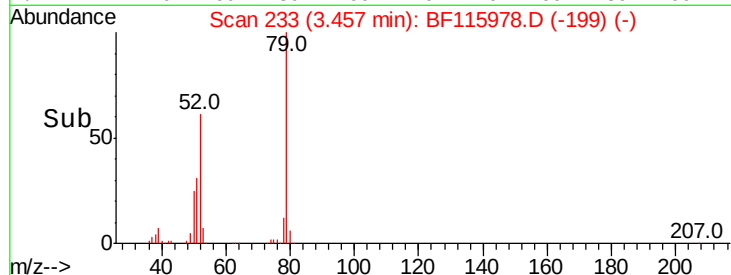
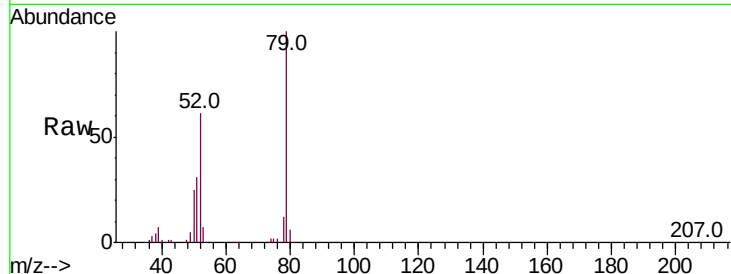
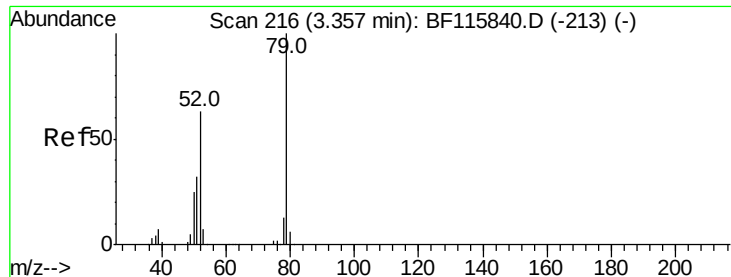
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





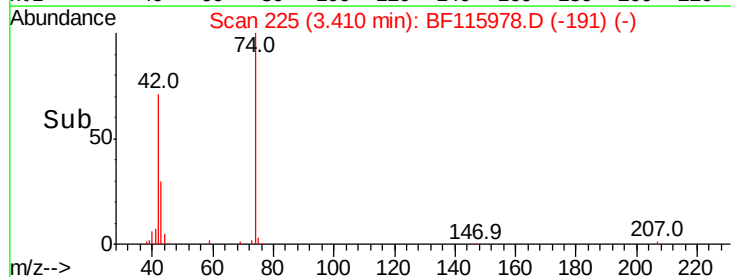
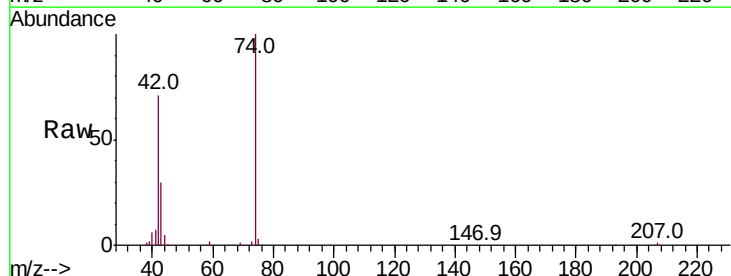
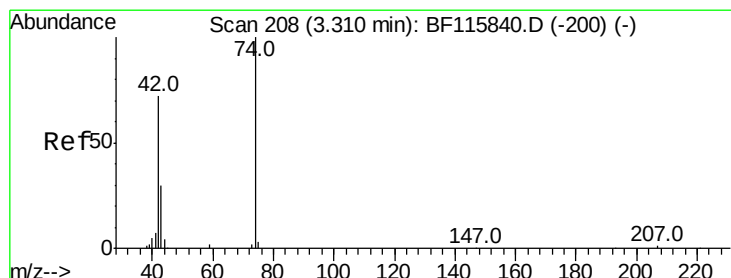
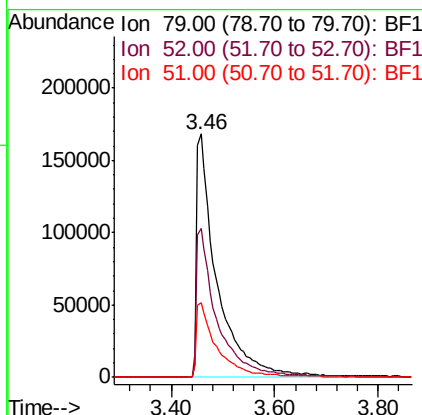
#3
 Pvridine
 Concen: 36.872 ng
 RT: 3.46 min Scan# 233
 Delta R.T. 0.10 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tot Ion: 79 Resp: 455099
 Ion Ratio Lower Upper
 79 100
 52 61.4 50.2 75.4
 51 30.6 25.8 38.6

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

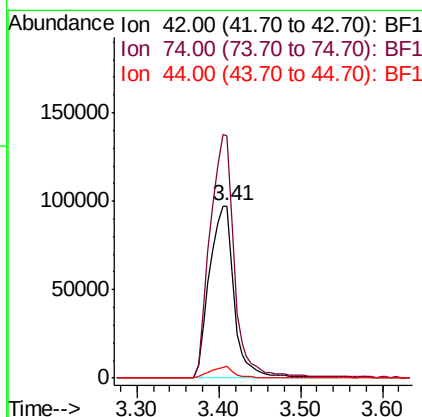
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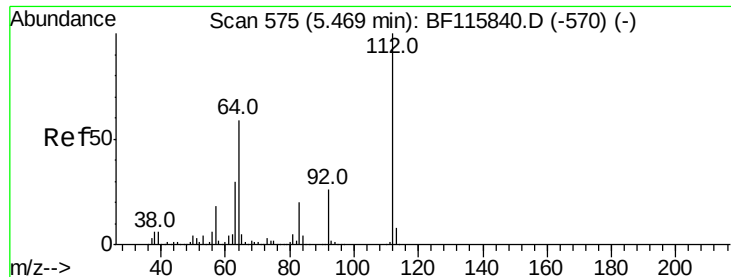
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#4
 n-Nitrosodimethylamine
 Concen: 42.522 ng
 RT: 3.41 min Scan# 225
 Delta R.T. 0.10 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion: 42 Resp: 207118
 Ion Ratio Lower Upper
 42 100
 74 140.6 111.0 166.4
 44 6.6 4.7 7.1





#5

2-Fluorophenol

Concen: 117.277 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion:112 Resp: 1025720

Ion Ratio Lower Upper

112 100

64 58.4 46.8 70.2

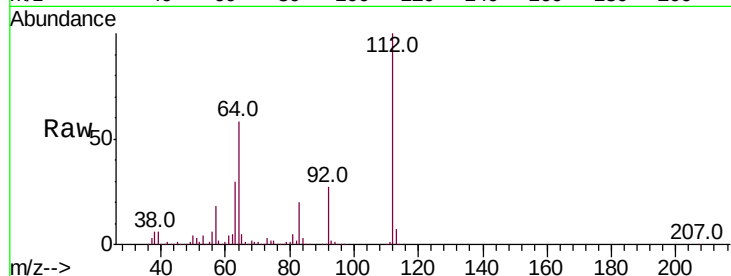
63 30.4 24.2 36.2

Manual Integrations

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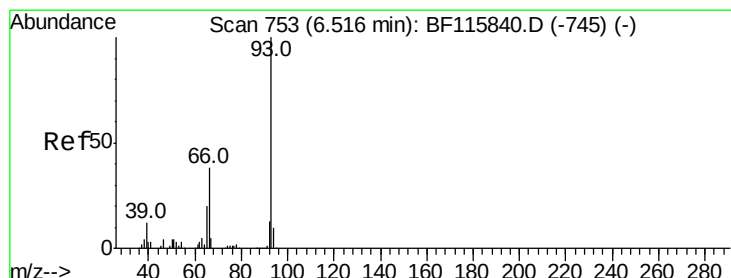
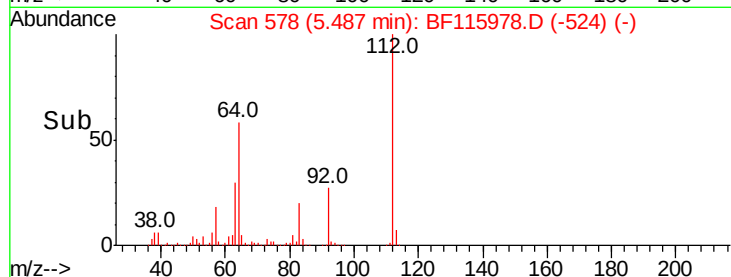
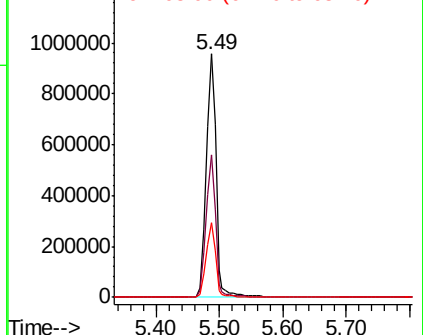
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 34.249 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

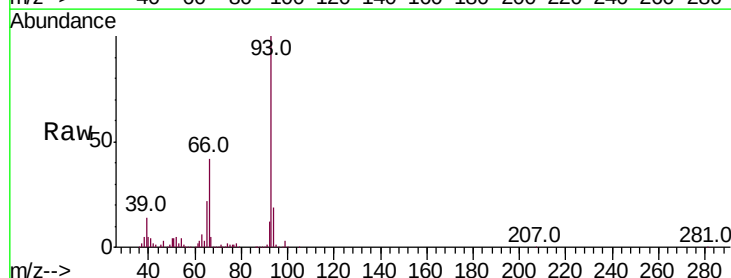
Tgt Ion: 93 Resp: 541242

Ion Ratio Lower Upper

93 100

66 41.7 31.4 47.0

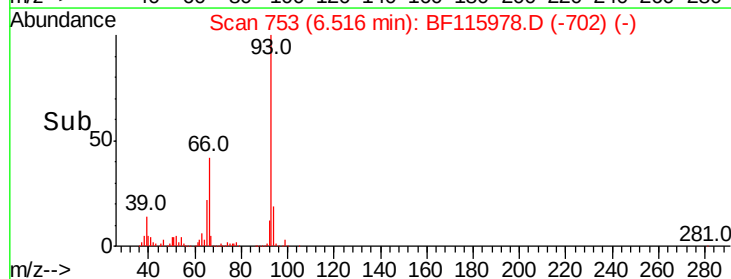
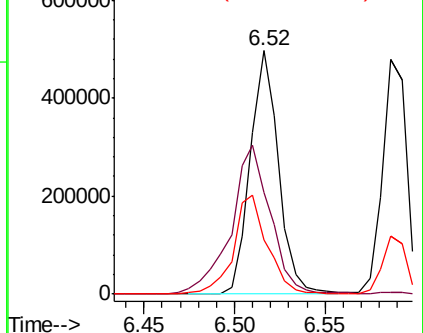
65 22.2 16.5 24.7

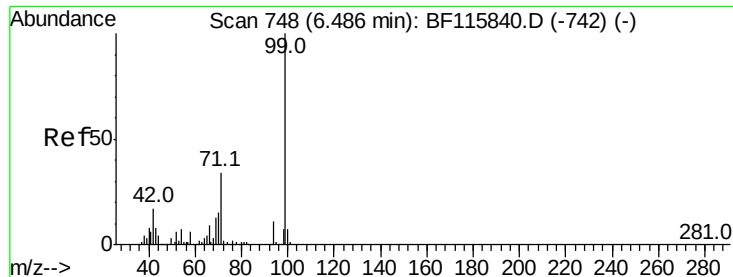


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 118.838 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion: 99 Resp: 1311352

Ion Ratio Lower Upper

99 100

42 17.4 13.8 20.6

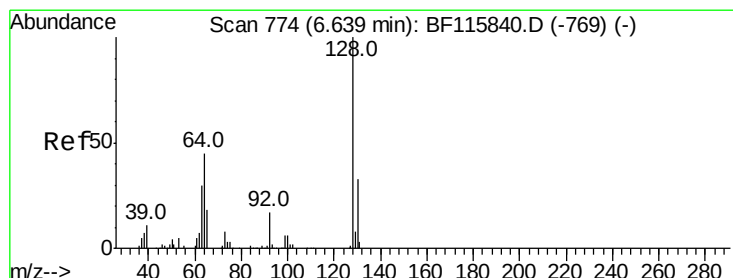
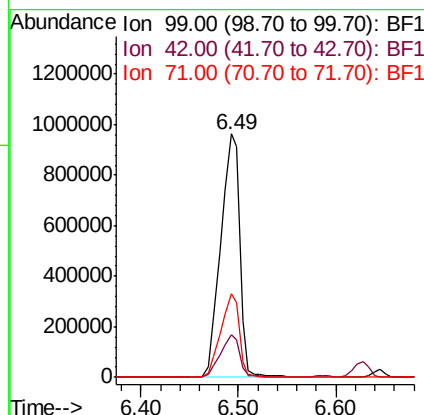
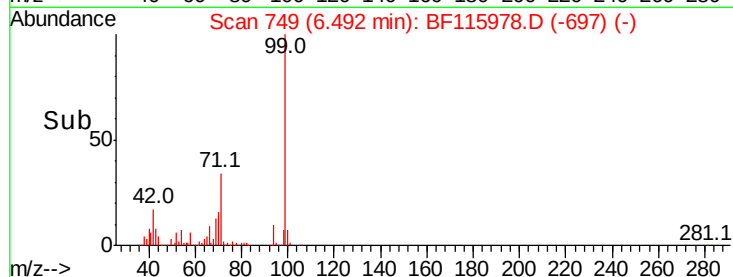
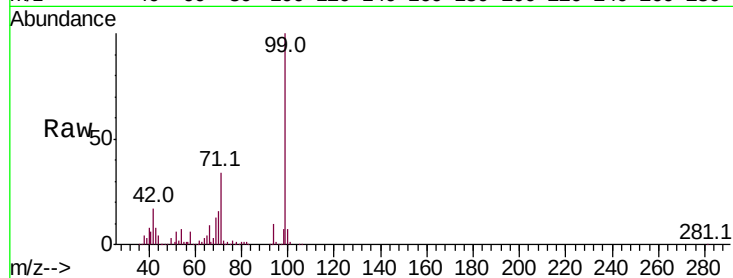
71 34.4 27.1 40.7

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#8

2-Chlorophenol

Concen: 46.570 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

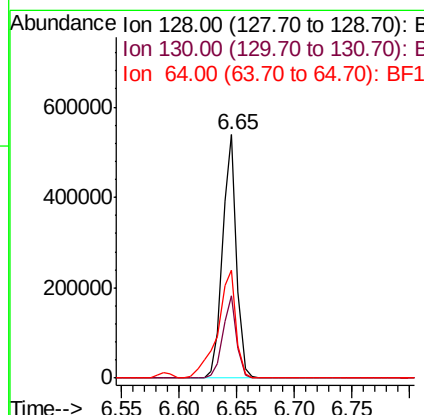
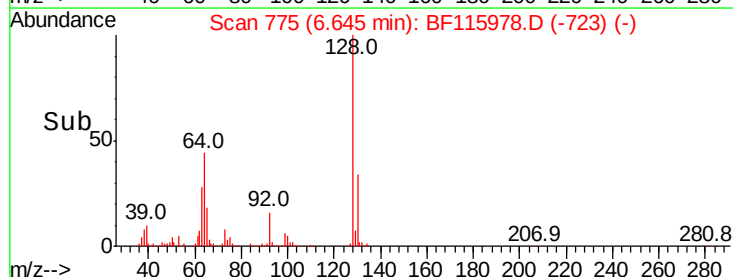
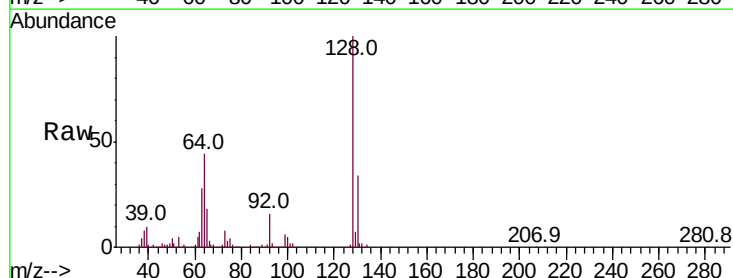
Tgt Ion: 128 Resp: 450402

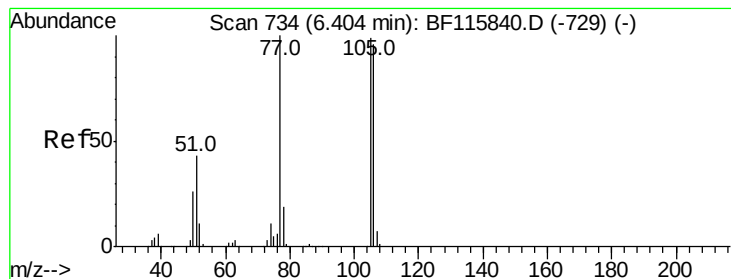
Ion Ratio Lower Upper

128 100

130 33.7 12.9 52.9

64 44.1 26.1 66.1





#9

Benzaldehyde

Concen: 32.878 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

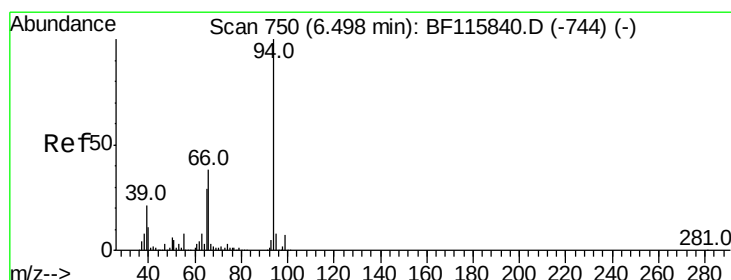
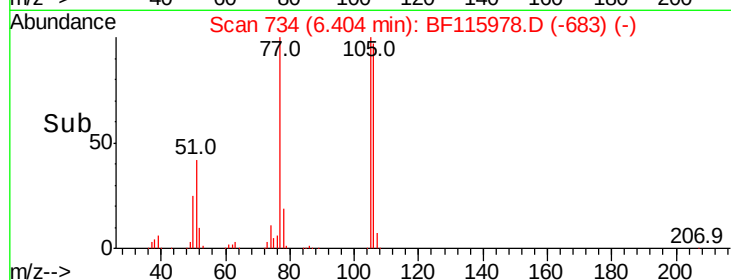
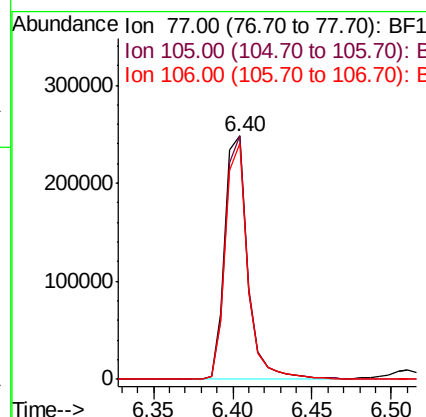
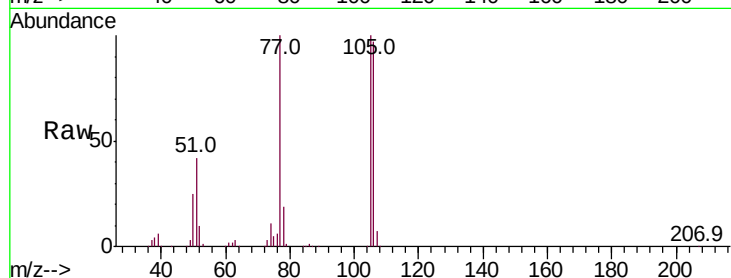
ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
77	100		
105	100.1	79.0	119.0
106	96.8	76.2	116.2

Manual Integrations
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#10

Phenol

Concen: 44.553 ng

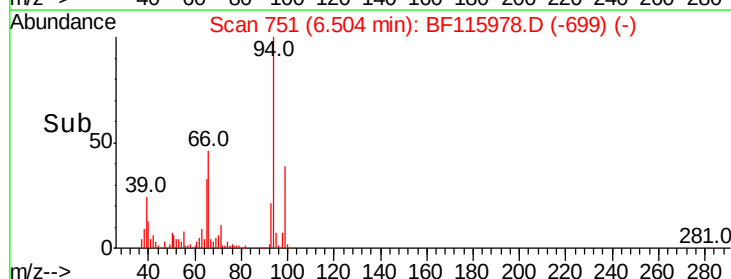
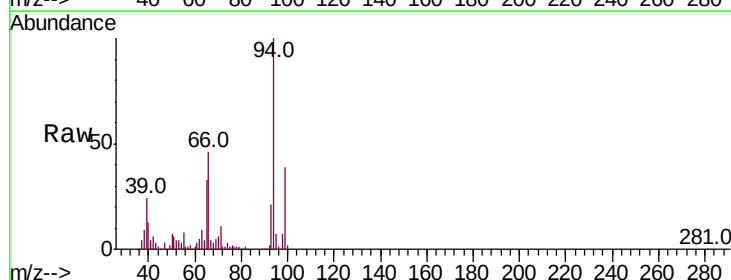
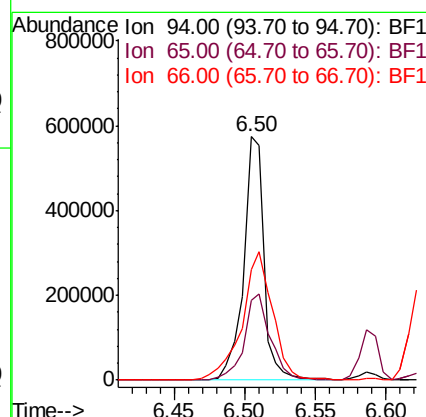
RT: 6.50 min Scan# 751

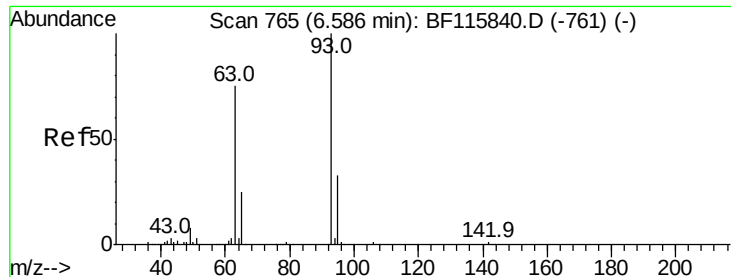
Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.7	8.9	48.9
66	45.6	18.0	58.0





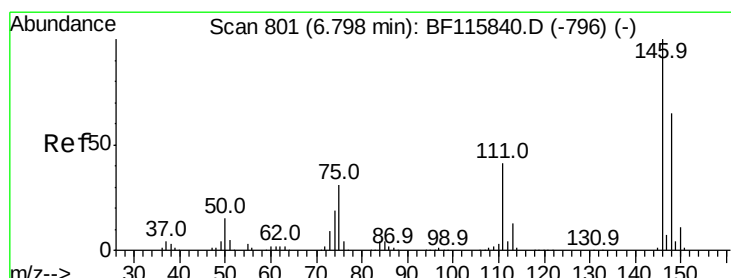
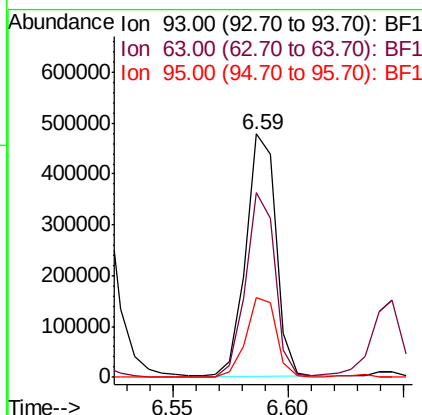
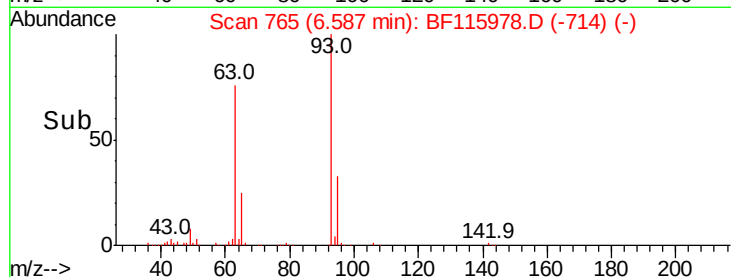
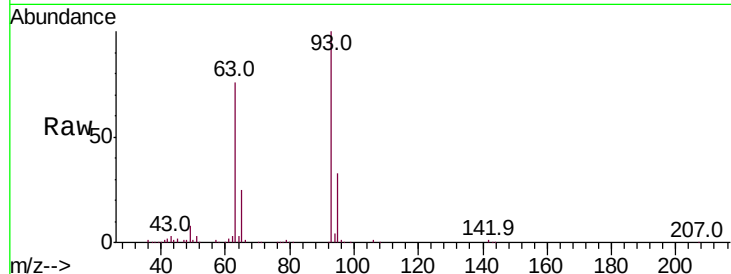
#11
bis(2-Chloroethyl)ether
Concen: 45.588 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.9	54.9	94.9
95	32.8	13.3	53.3

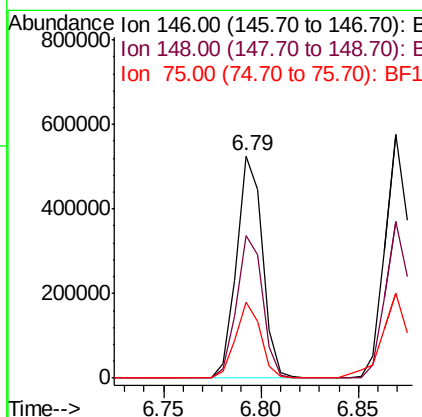
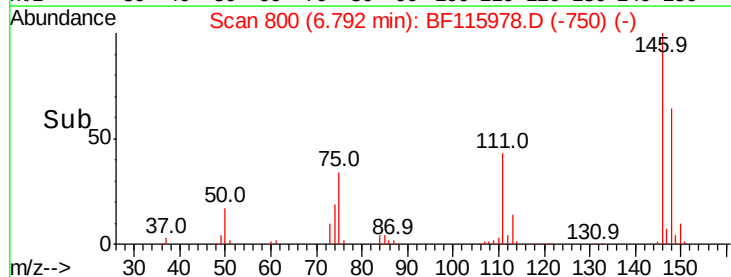
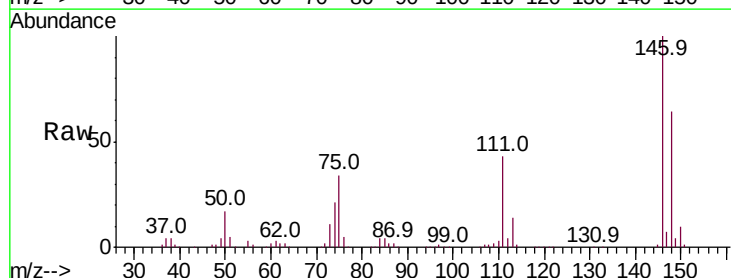
Manual Integrations
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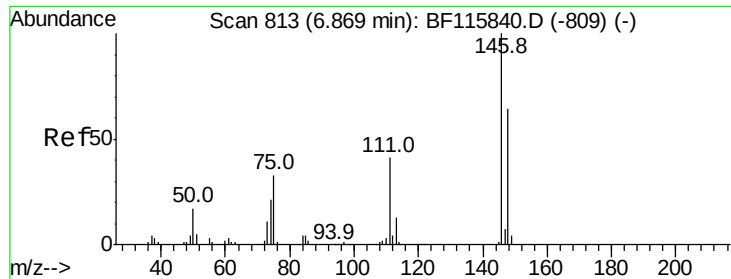
mohammad
8/8/2019 4:45:27 PM



#12
1,3-Dichlorobenzene
Concen: 43.450 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.1	78.1
75	34.1	25.0	37.6





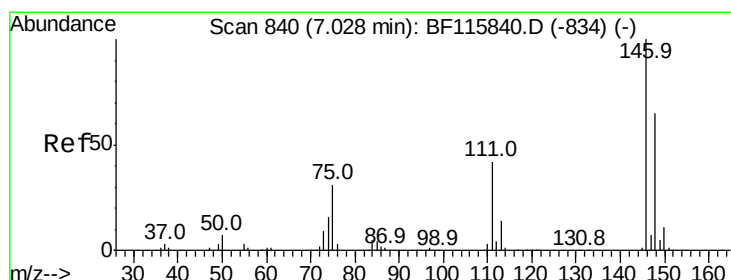
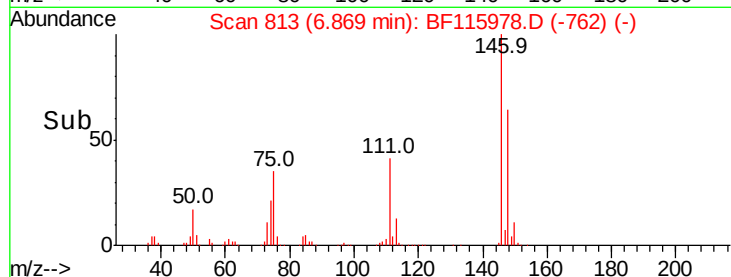
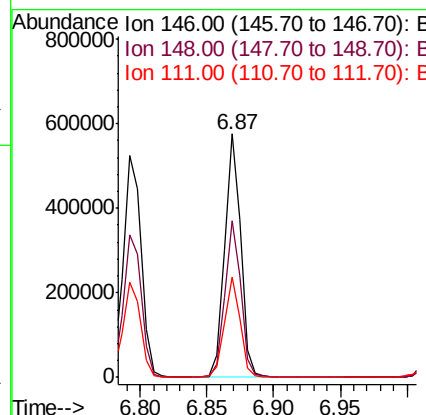
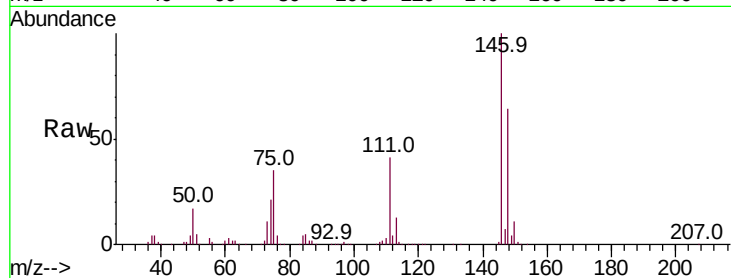
#13
1,4-Dichlorobenzene
Concen: 44.043 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	492901		
148	64.5	51.2	76.8	
111	41.4	33.2	49.8	

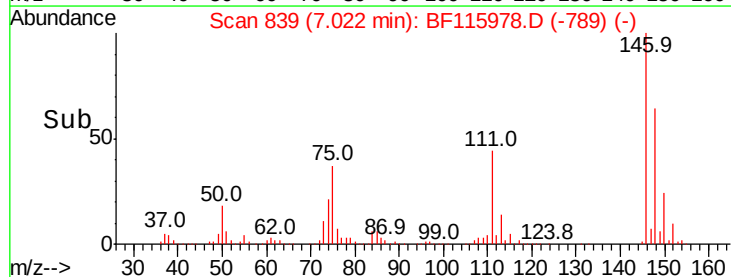
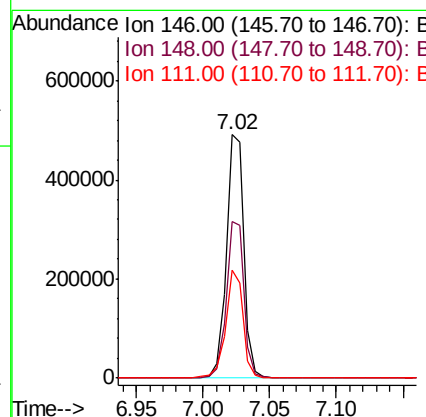
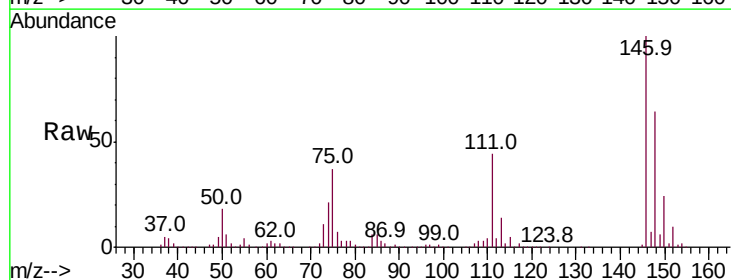
Manual Integrations
APPROVED

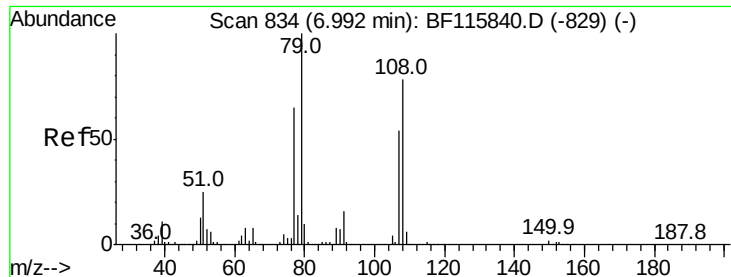
mohammad
8/8/2019 4:45:27 PM



#14
1,2-Dichlorobenzene
Concen: 44.077 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	454208		
148	64.3	51.6	77.4	
111	44.4	33.6	50.4	





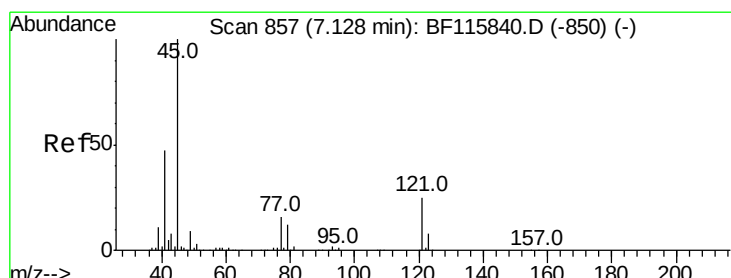
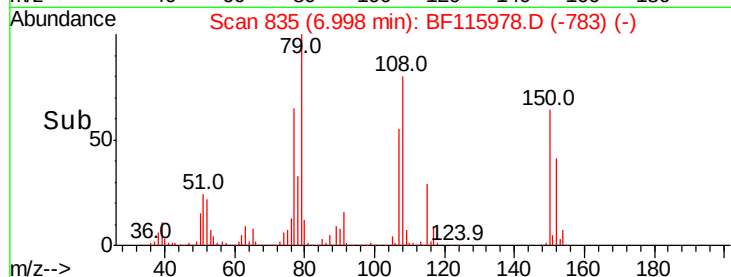
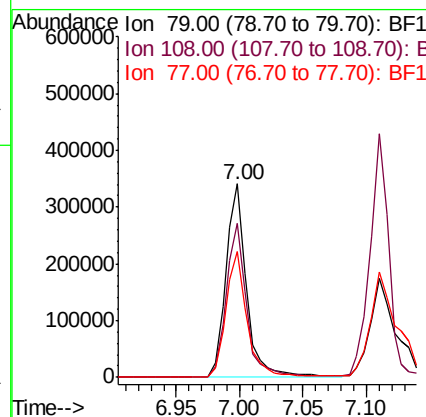
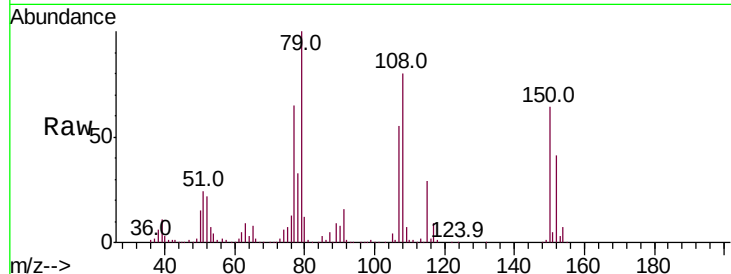
#15
Benzyl Alcohol
Concen: 46.334 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	79.6	62.8	94.2	
77	64.8	52.0	78.0	

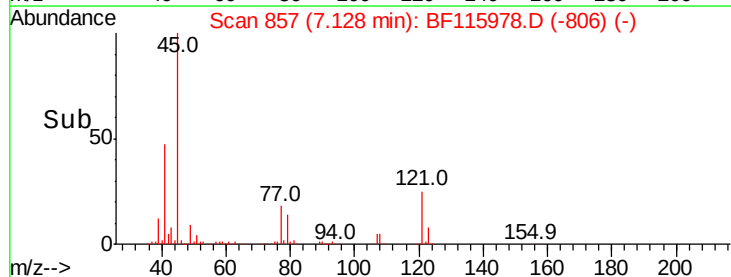
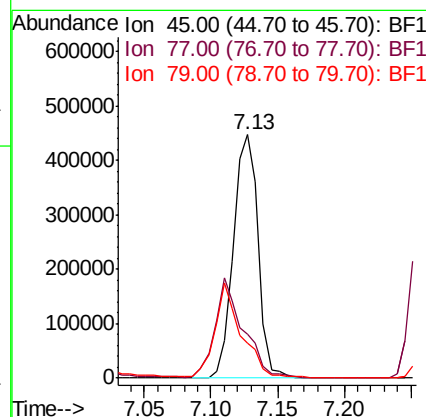
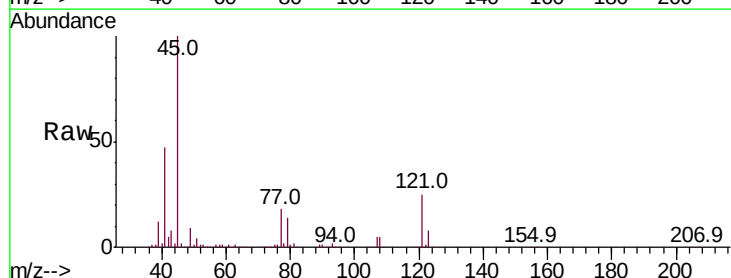
Manual Integrations
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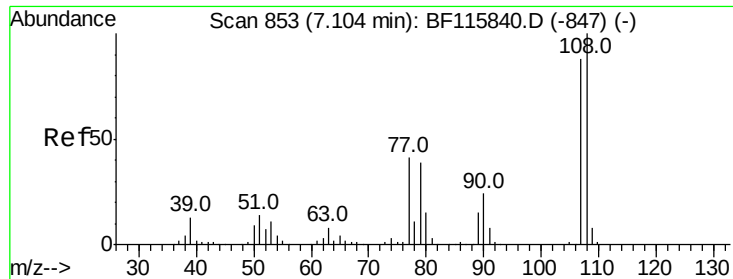
mohammad
8/8/2019 4:45:27 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 44.553 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	18.2	0.0	36.3	
79	14.5	0.0	32.5	





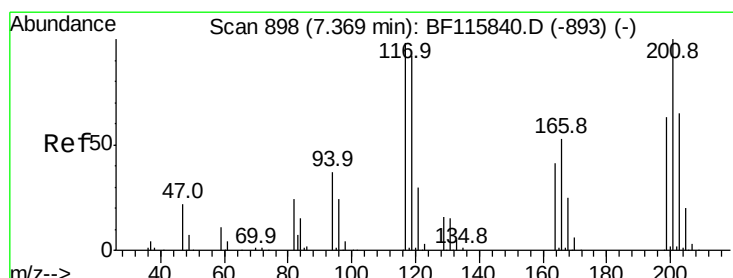
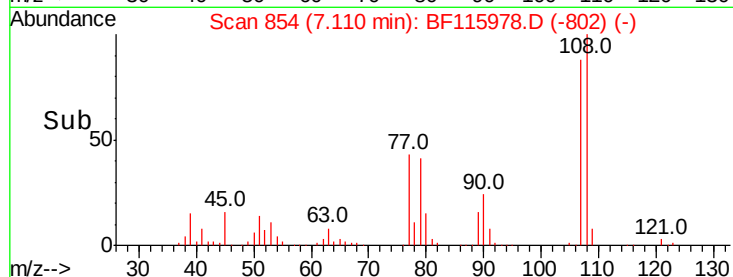
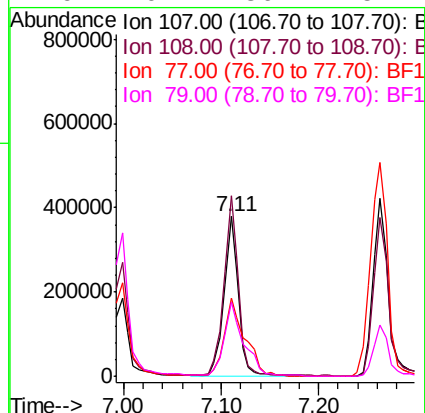
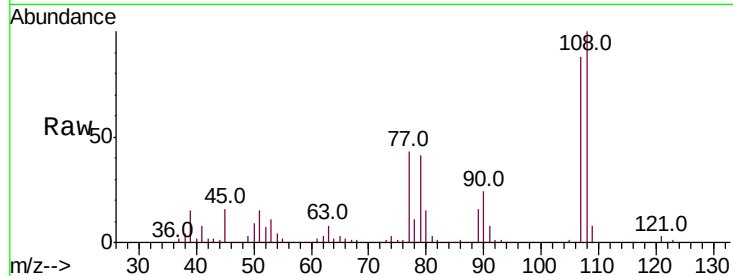
#17
2-Methylphenol
Concen: 47.164 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion:	107	Resp:	386240
Ion Ratio	Lower	Upper	
107	100		
108	113.3	91.4	137.0
77	48.8	37.6	56.4
79	46.2	36.2	54.4

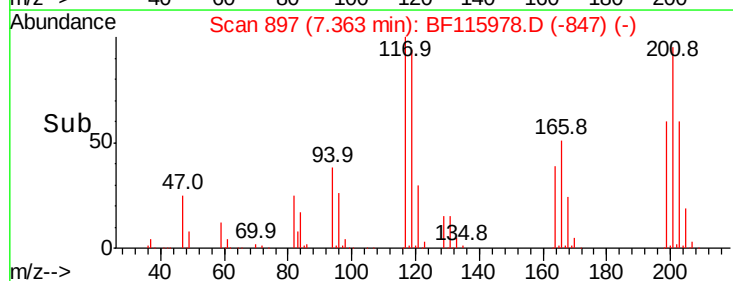
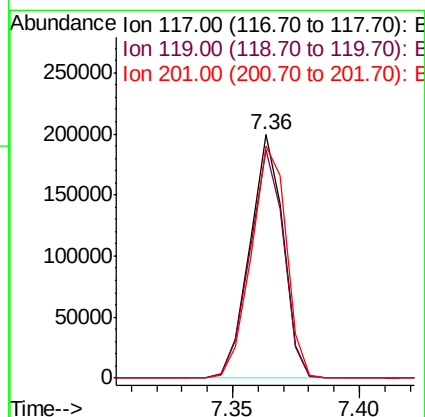
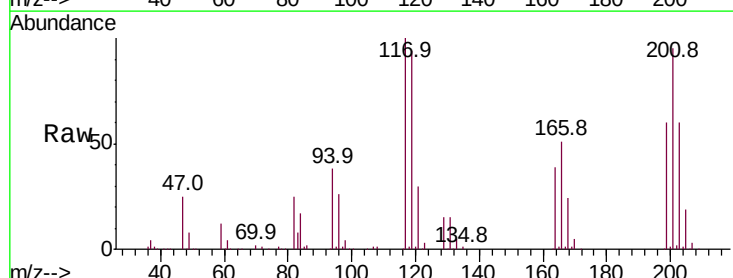
Manual Integrations
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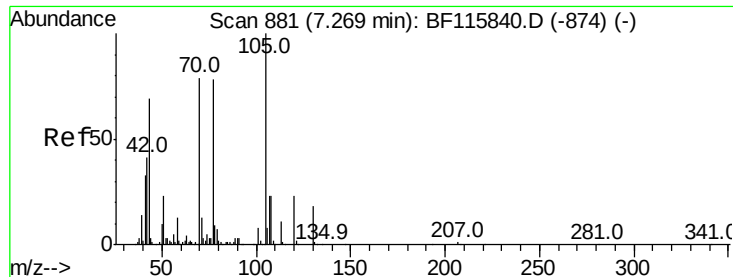
mohammad
8/8/2019 4:45:27 PM



#18
Hexachloroethane
Concen: 44.456 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion:	117	Resp:	183178
Ion Ratio	Lower	Upper	
117	100		
119	93.9	75.8	113.6
201	95.1	82.0	123.0





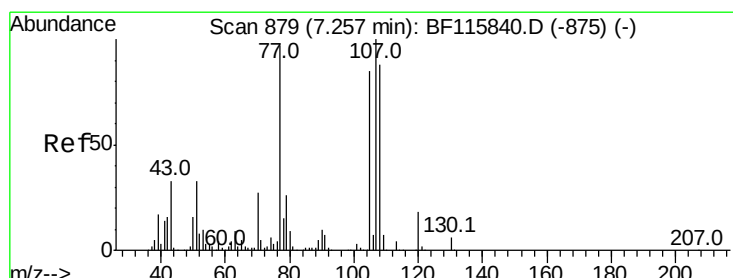
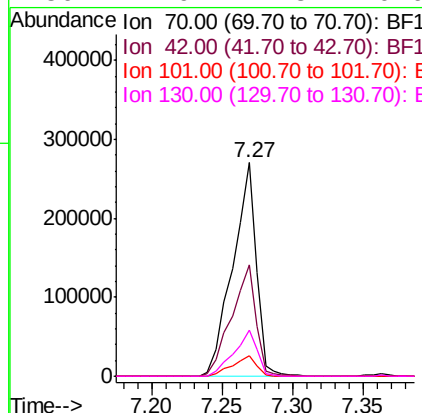
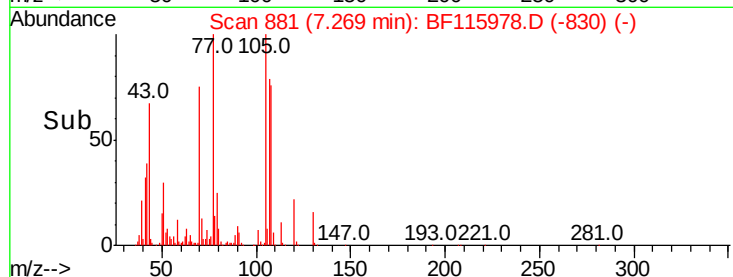
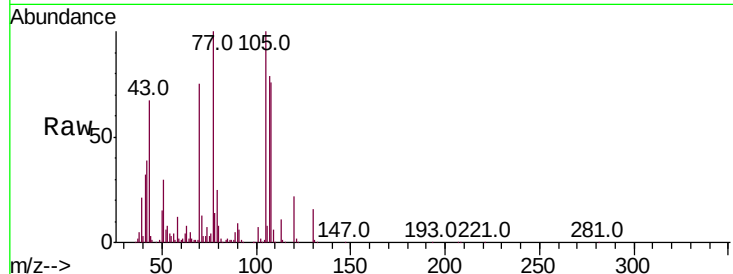
#19
n-Nitroso-di-n-propylamine
Concen: 46.155 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	52.2	41.8	62.8		
101	9.6	7.7	11.5		
130	21.9	17.8	26.6		

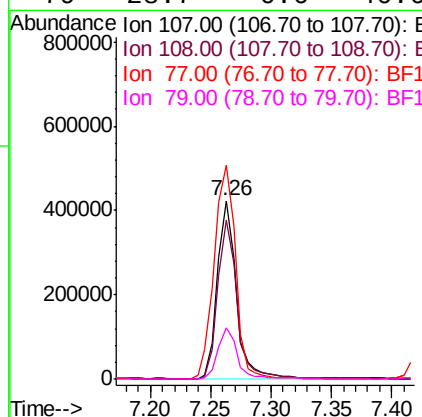
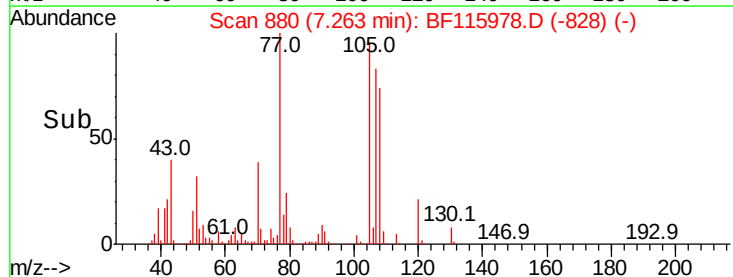
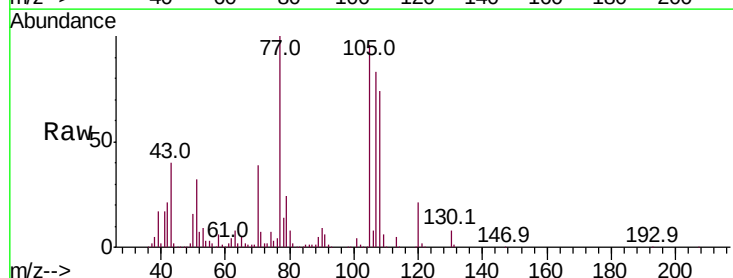
Manual Integrations
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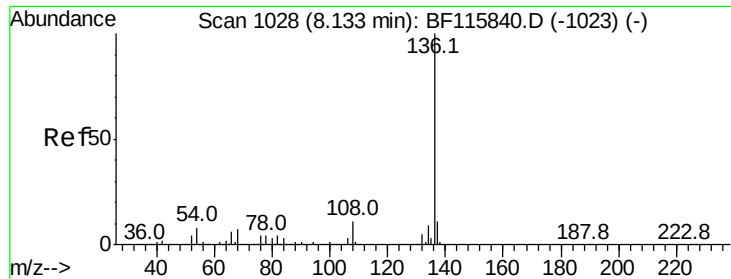
mohammad
8/8/2019 4:45:27 PM



#20
3+4-Methylphenols
Concen: 46.909 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	88.9	67.9	107.9		
77	120.0	77.3	117.3#		
79	28.7	6.6	46.6		





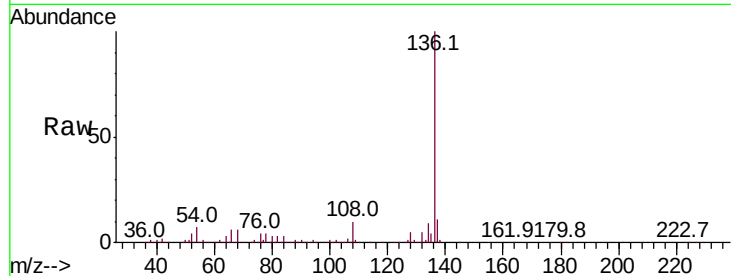
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Resp	Lower	Upper
136	100	610600		
137	11.1	9.1	13.7	
54	7.4	6.1	9.1	
68	6.3	5.4	8.2	

Manual Integrations
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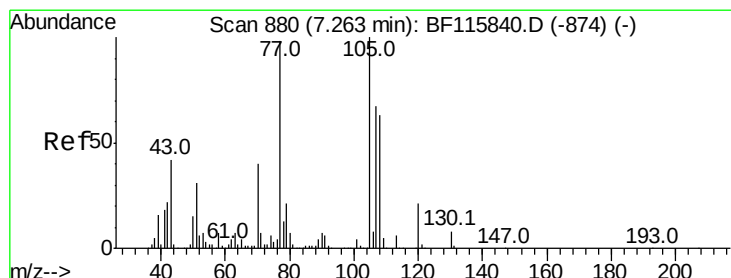
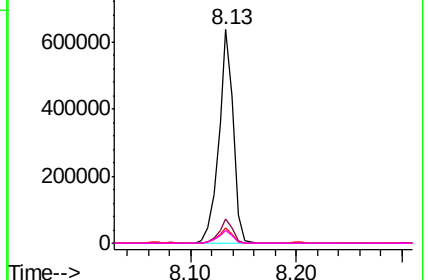
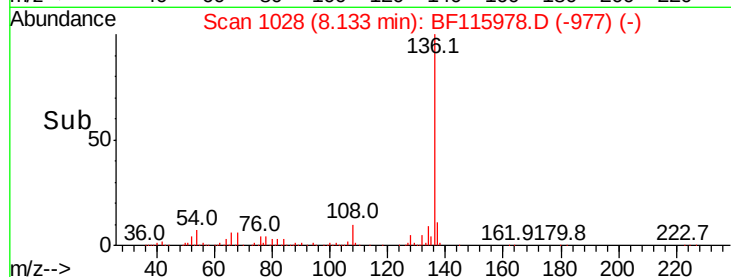
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

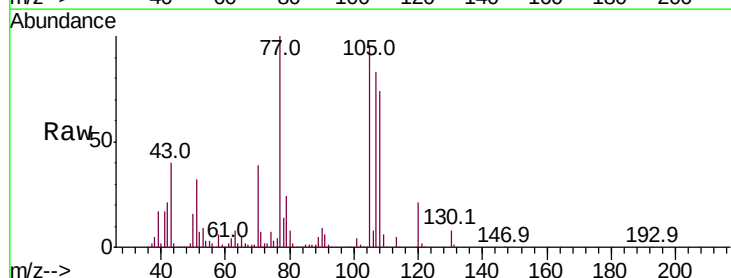
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 45.733 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	612427		
71	6.9	5.4	8.0	
51	33.0	24.6	36.8	
120	21.7	17.0	25.6	



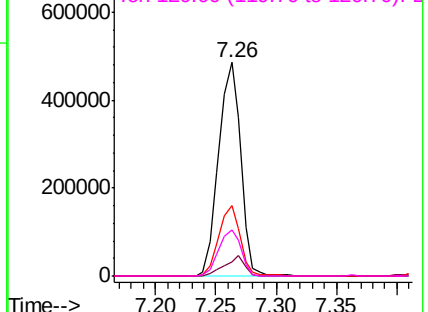
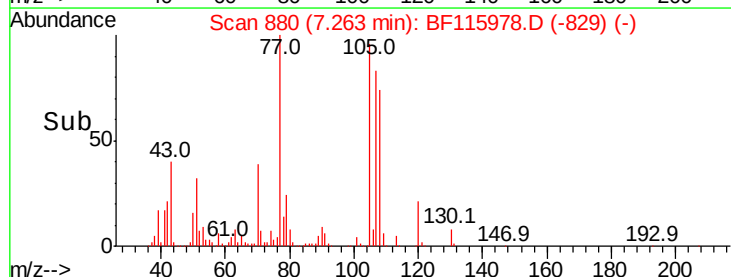
Abundance

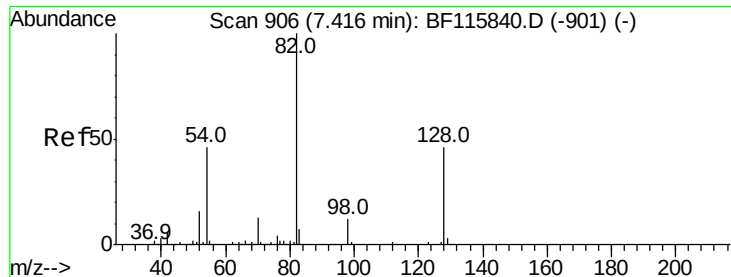
Ion 105.00 (104.70 to 105.70): E

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





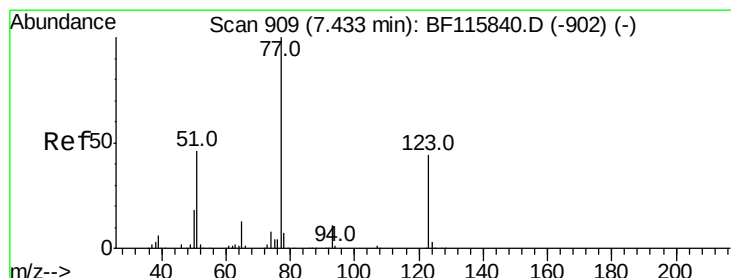
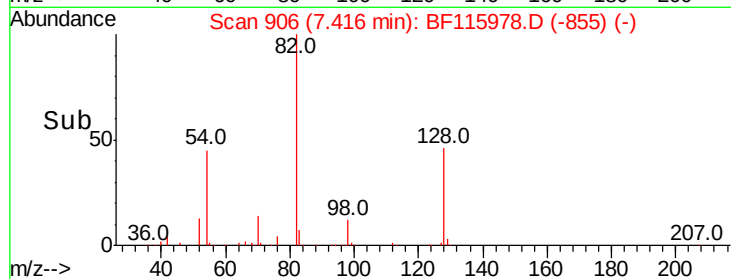
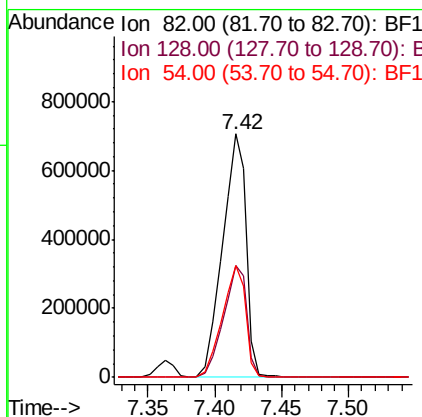
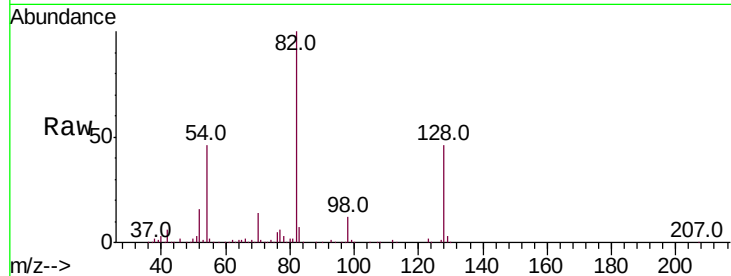
#23
 Nitrobenzene-d5
 Concen: 82.907 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.6	55.0
54	45.9	36.6	55.0

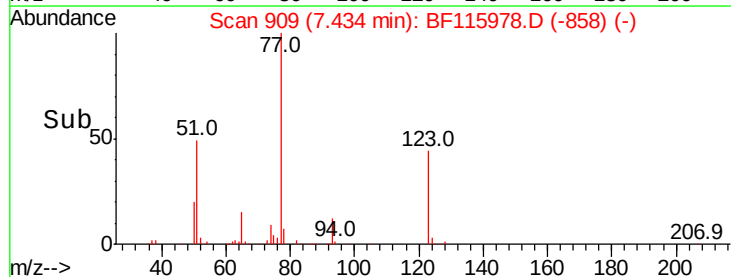
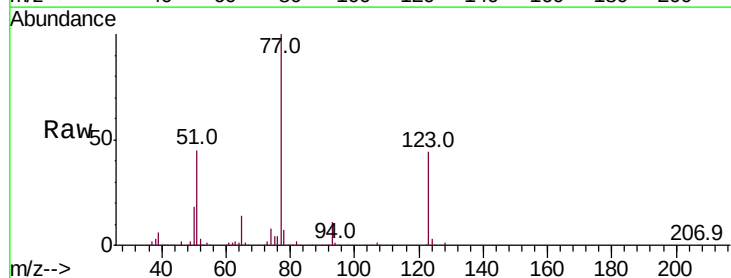
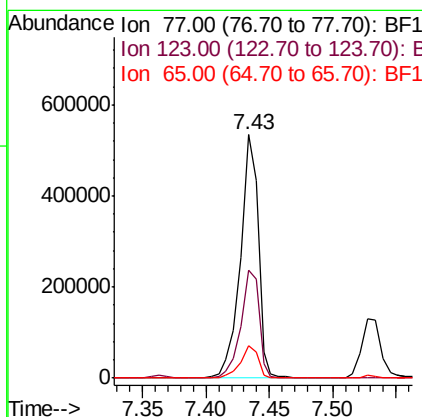
Manual Integrations
 APPROVED

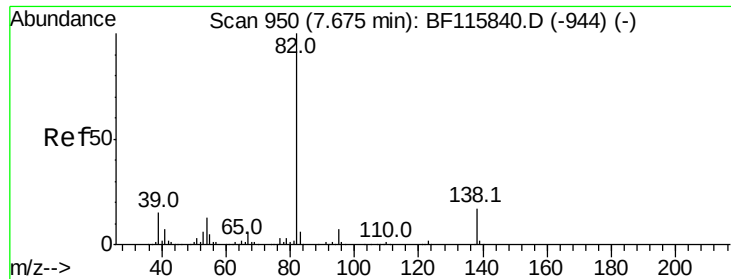
mohammad
 8/8/2019 4:45:27 PM



#24
 Nitrobenzene
 Concen: 45.115 ng
 RT: 7.43 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.1	35.5	53.3
65	13.5	10.6	15.8





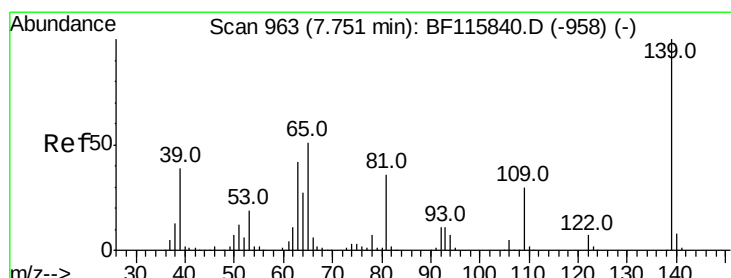
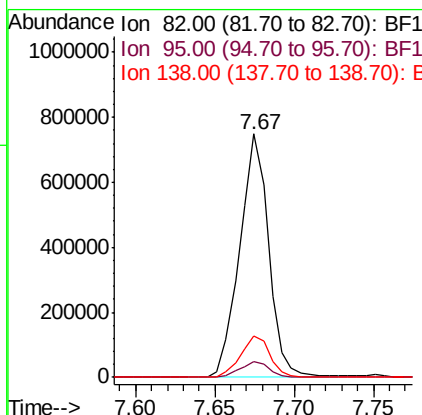
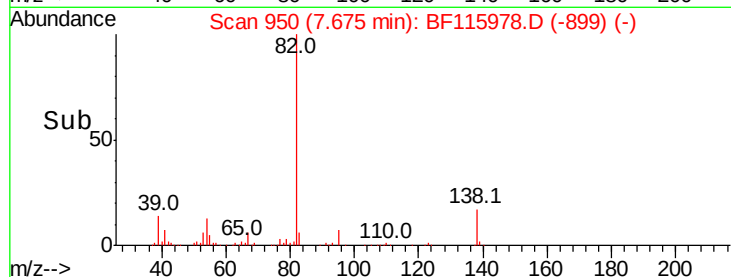
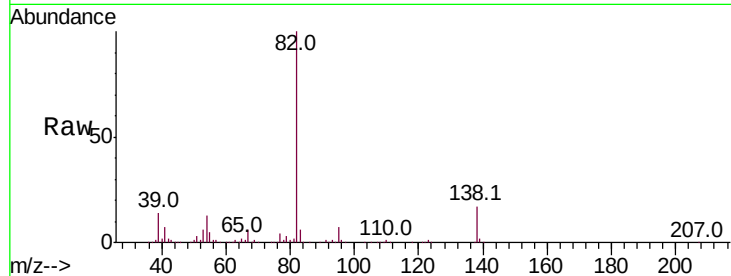
#25
Isophorone
Concen: 46.894 ng
RT: 7.67 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.6	5.5	8.3	
138	17.3	13.9	20.9	

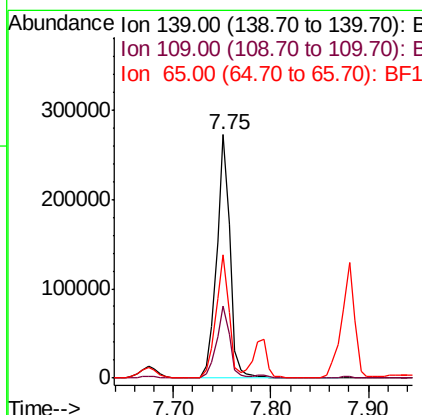
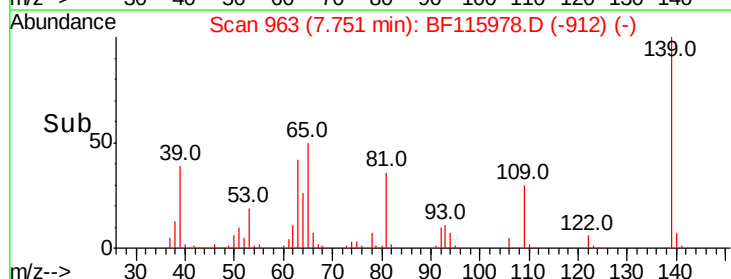
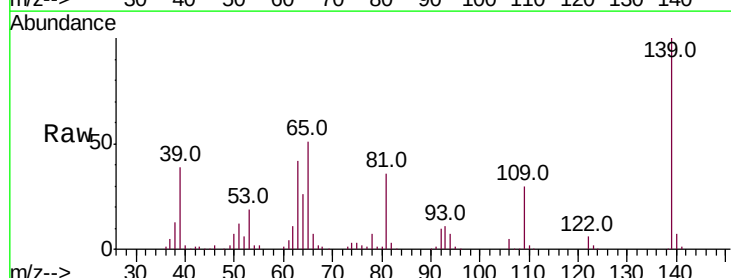
Manual Integrations
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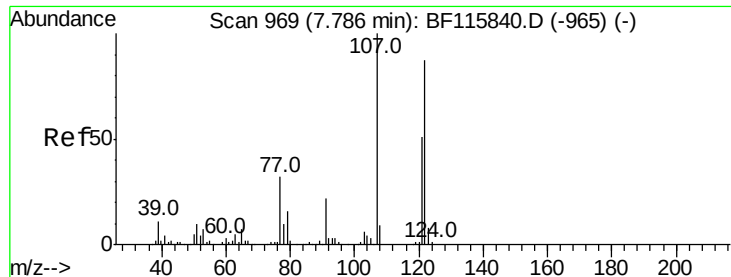
mohammad
8/8/2019 4:45:27 PM



#26
2-Nitrophenol
Concen: 47.760 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	29.6	23.6	35.4	
65	50.6	40.6	60.8	





#27

2,4-Dimethylphenol

Concen: 52.134 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

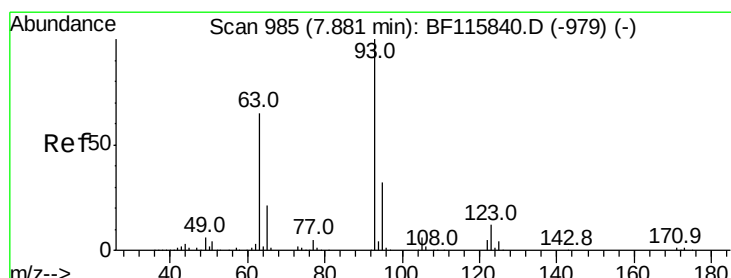
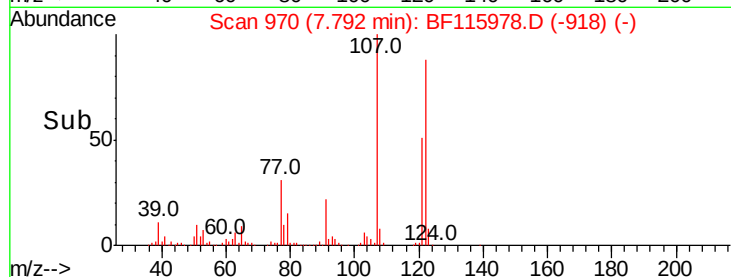
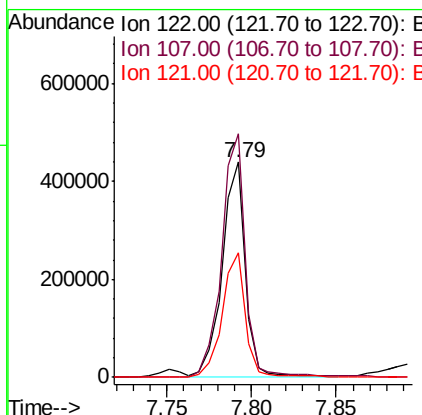
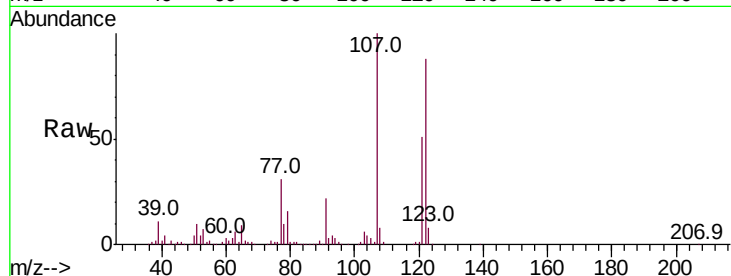
ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion:	122	Resp:	422296
Ion	Ratio	Lower	Upper
122	100		
107	113.2	91.7	137.5
121	57.7	46.6	70.0

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#28

bis(2-Chloroethoxy)methane

Concen: 46.020 ng

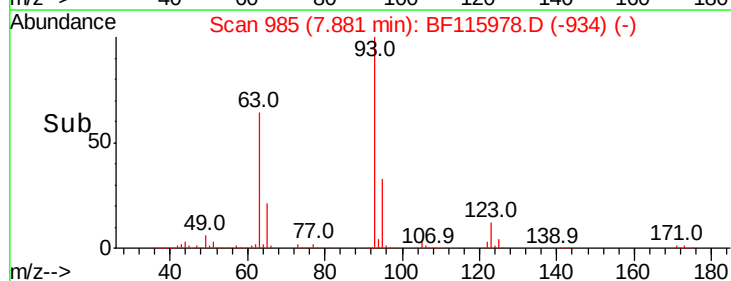
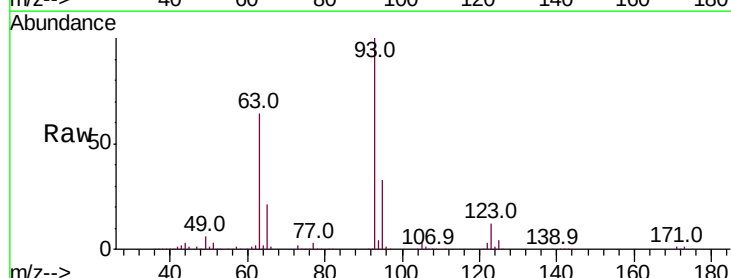
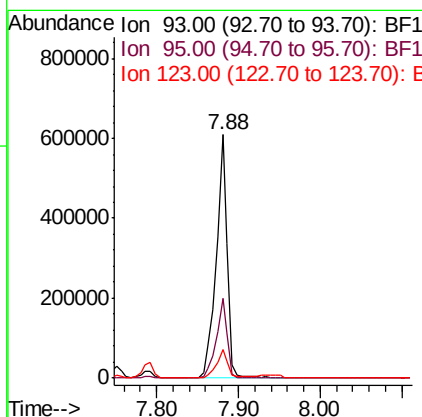
RT: 7.88 min Scan# 985

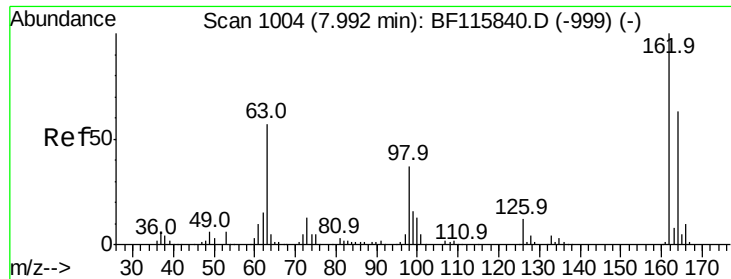
Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Tgt Ion:	93	Resp:	576947
Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	11.7	9.5	14.3





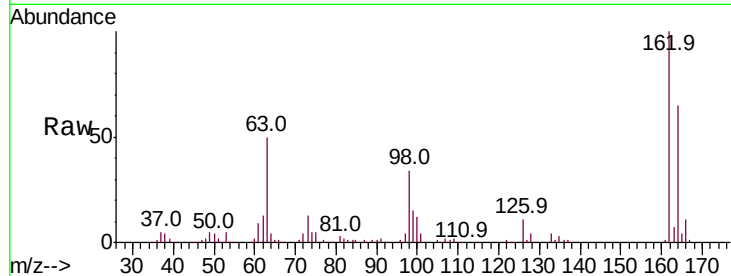
#29
2,4-Dichlorophenol
Concen: 47.821 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Resp	Lower	Upper
162	100	408997		
164	64.7	43.2	83.2	
98	34.5	17.3	57.3	

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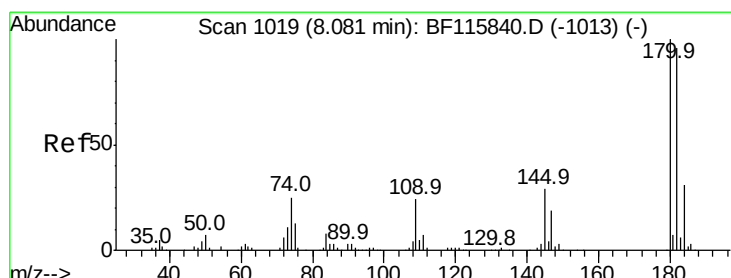
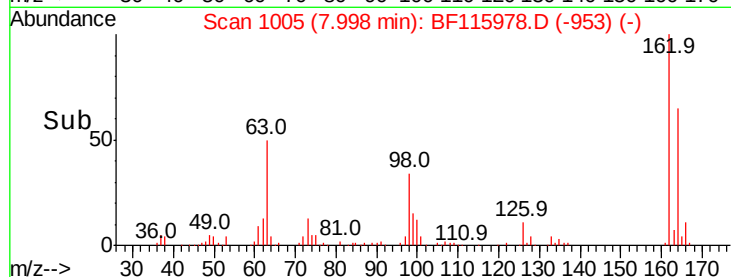
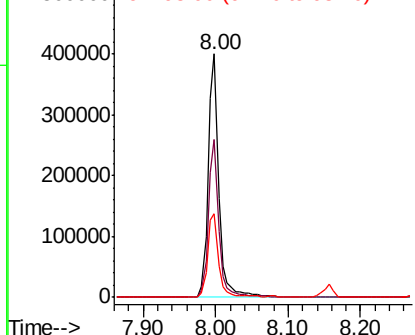


Abundance

Ion 162.00 (161.70 to 162.70): E

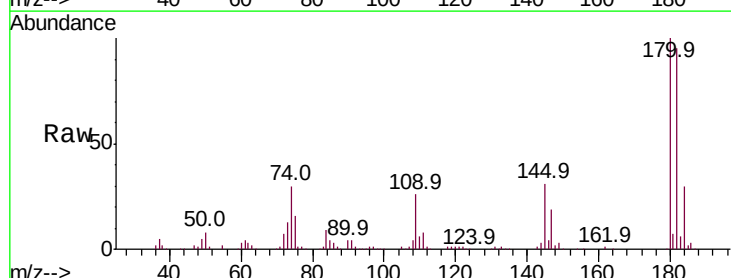
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 44.152 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	430450		
182	94.8	76.6	114.8	
145	31.1	23.2	34.8	

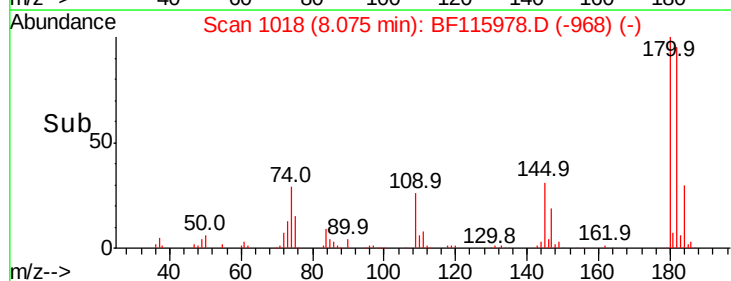
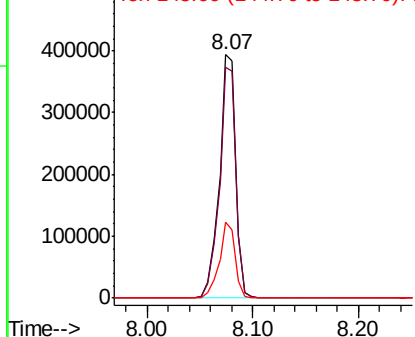


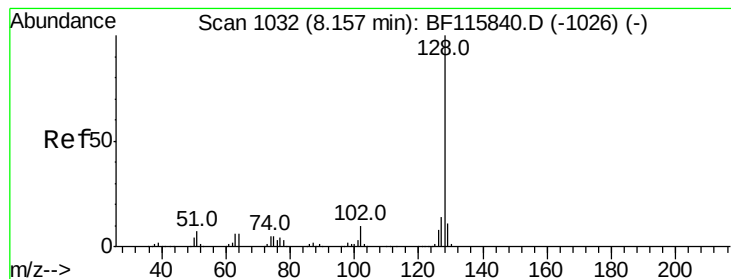
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.972 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion:128 Resp: 1320949

Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

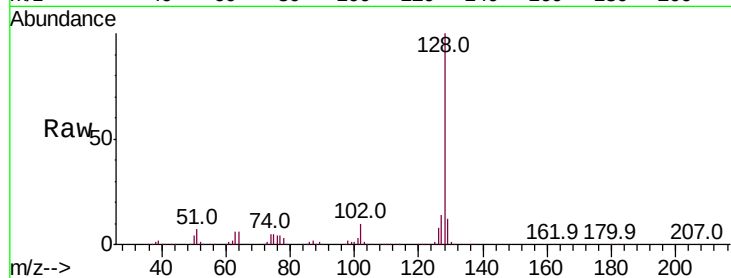
127 13.8 11.0 16.4

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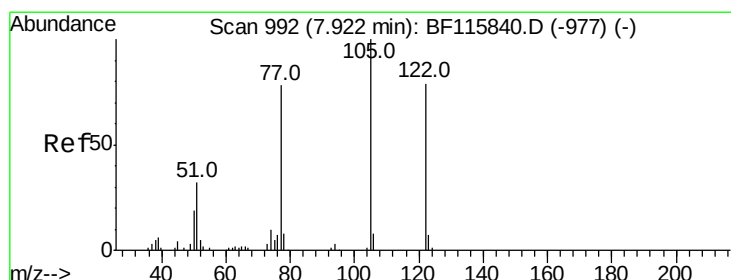
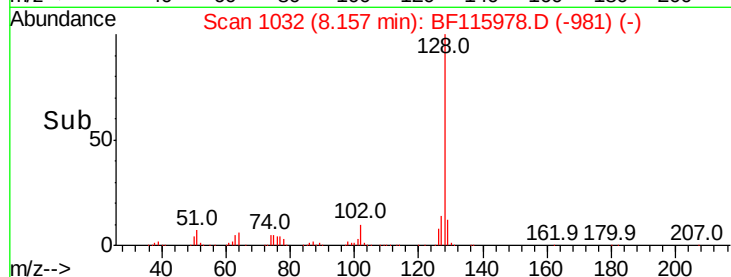
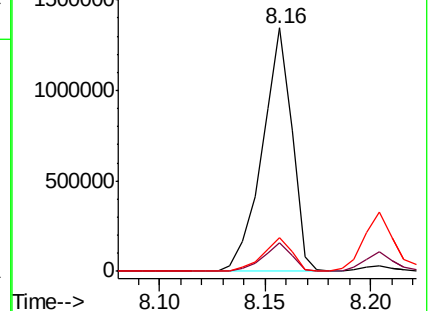
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.003 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.02 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

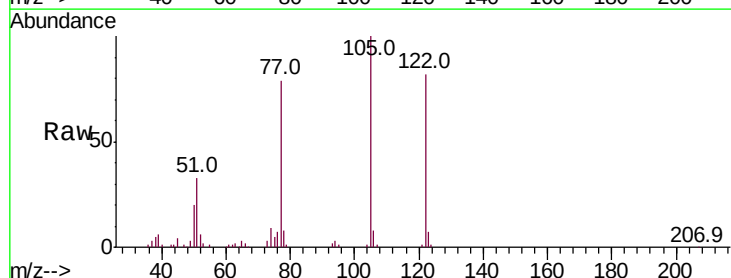
Tgt Ion:122 Resp: 262719

Ion Ratio Lower Upper

122 100

105 122.1 103.1 143.1

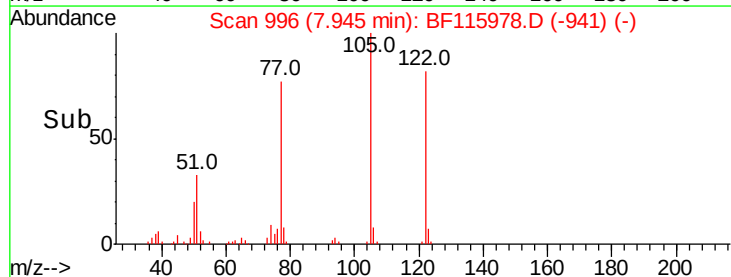
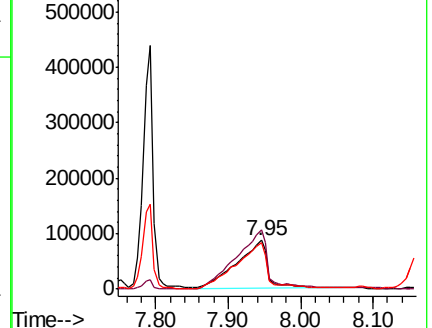
77 95.8 76.8 116.8

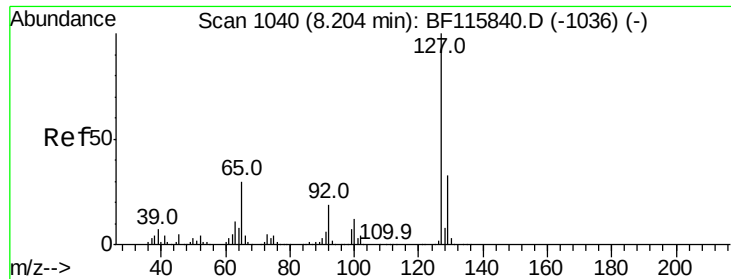


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





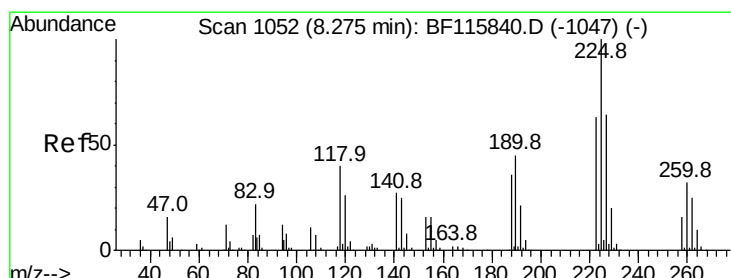
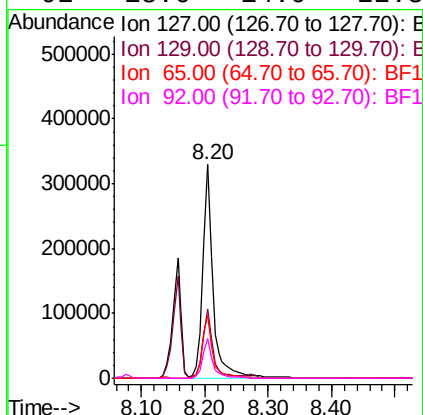
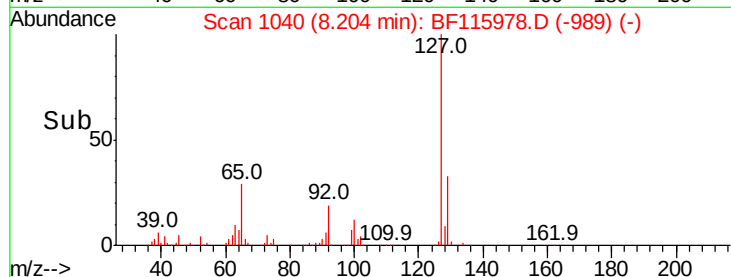
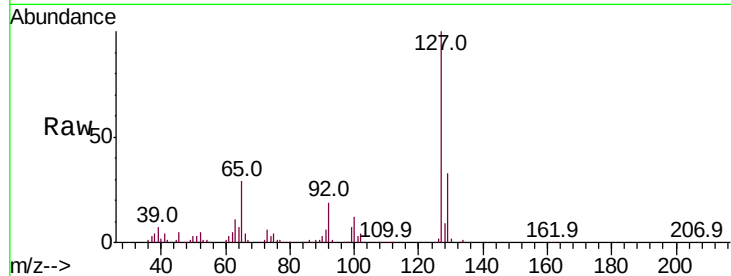
#33
4-Chloroaniline
Concen: 28.996 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.6	26.0	39.0	
65	29.4	23.9	35.9	
92	18.6	14.9	22.3	

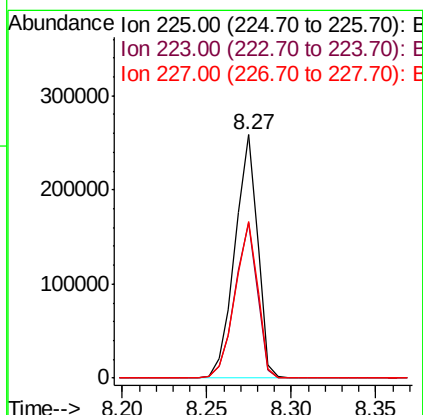
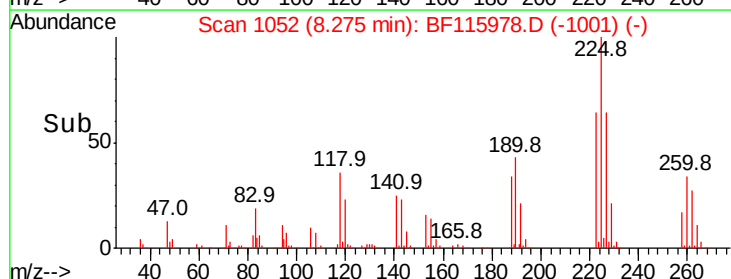
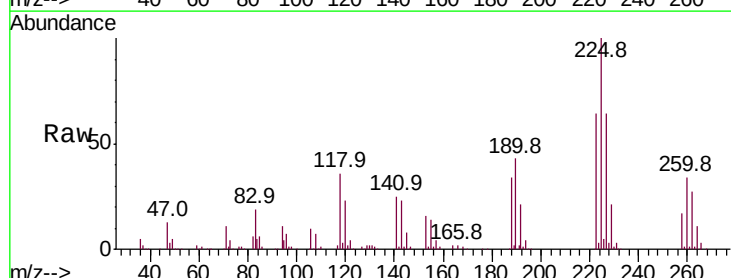
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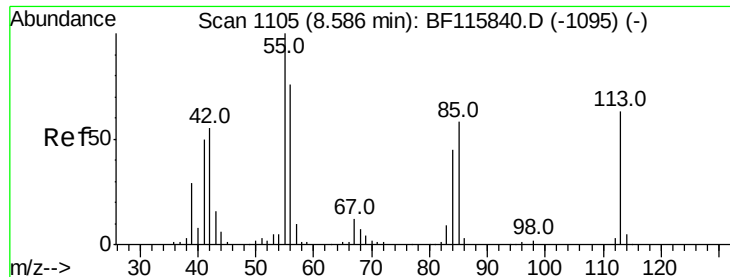
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#34
Hexachlorobutadiene
Concen: 42.940 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	50.4	75.6	
227	64.5	51.6	77.4	





#35

Caprolactam

Concen: 46.539 ng/mL

RT: 8.59 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleID :

IDOC BS-SOIL04-RC

Tot Ion:113 Resp: 128735

Ion Ratio Lower Upper

113 100

55 159.3 138.1 178.1

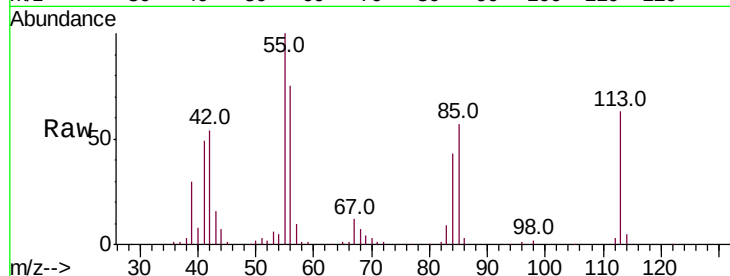
56 119.7 100.6 140.6

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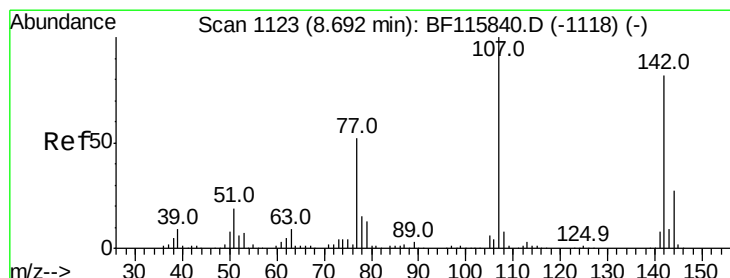
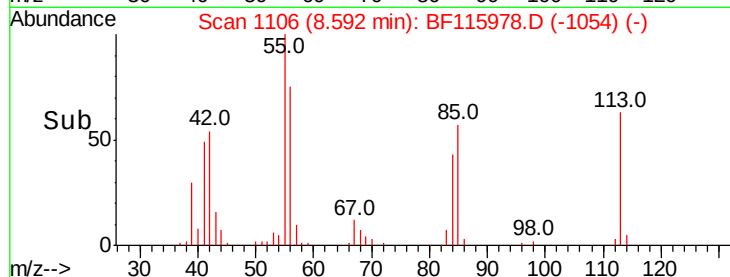
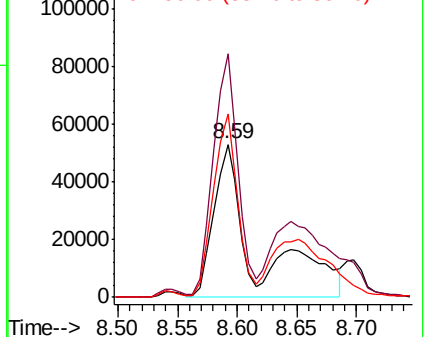
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 49.190 ng/mL

RT: 8.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

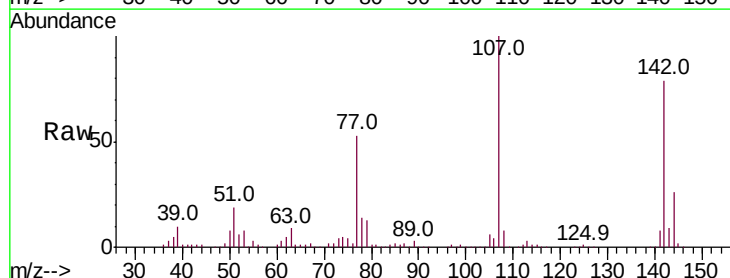
Tgt Ion:107 Resp: 437671

Ion Ratio Lower Upper

107 100

144 25.8 21.4 32.0

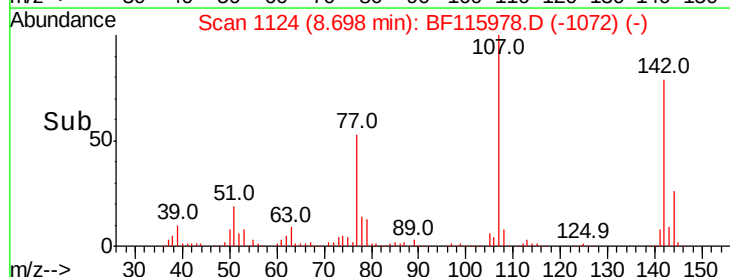
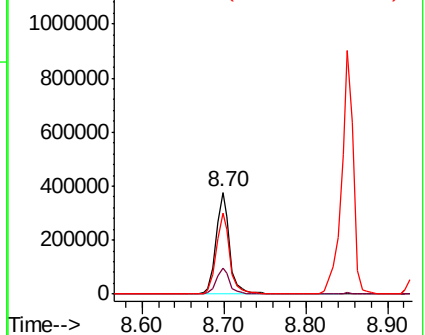
142 79.4 65.5 98.3

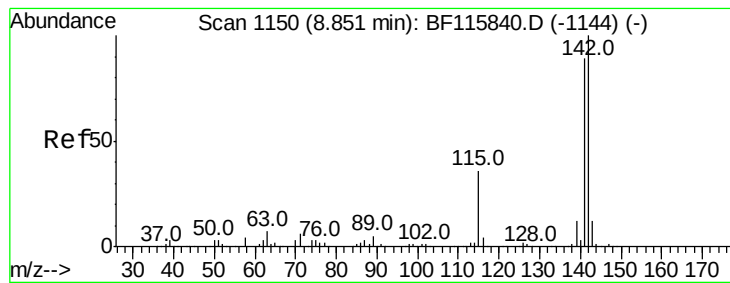


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





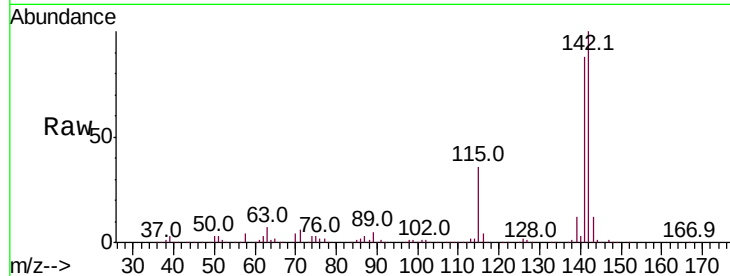
#37
 2-Methylnaphthalene
 Concen: 47.486 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tot Ion	Ratio	Resp	Lower	Upper
142	100	898602		
141	87.7		71.4	107.2
115	36.2		28.9	43.3

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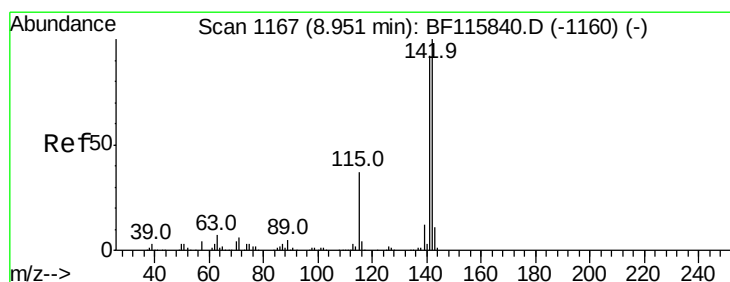
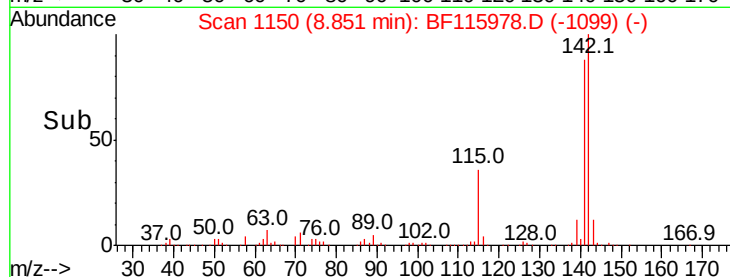
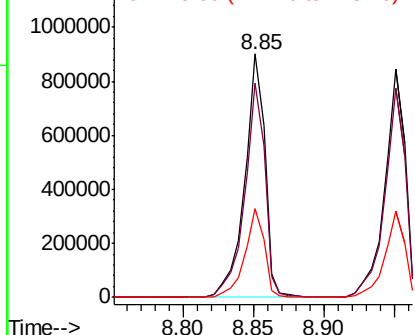


Abundance

Ion 142.00 (141.70 to 142.70): E

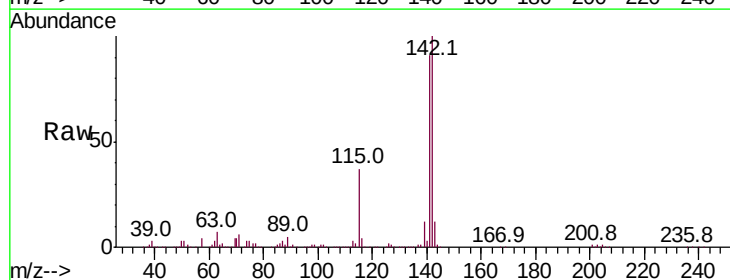
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 1-Methylnaphthalene
 Concen: 47.553 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	851319		
141	91.4		73.8	110.6
116	3.9		3.1	4.7

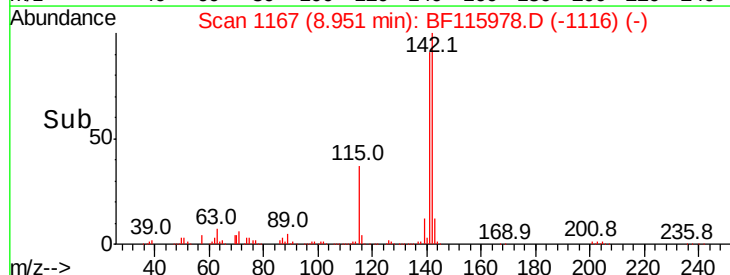
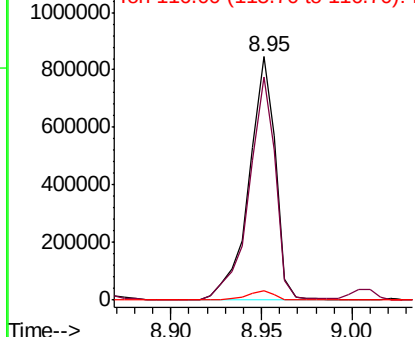


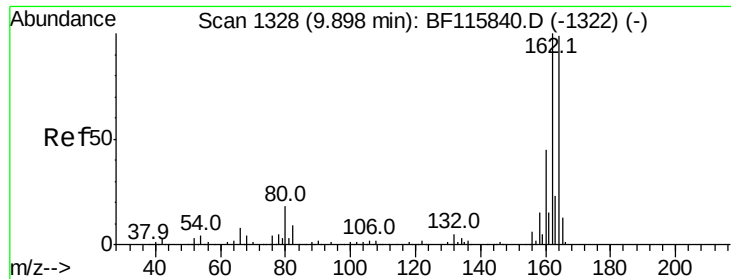
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





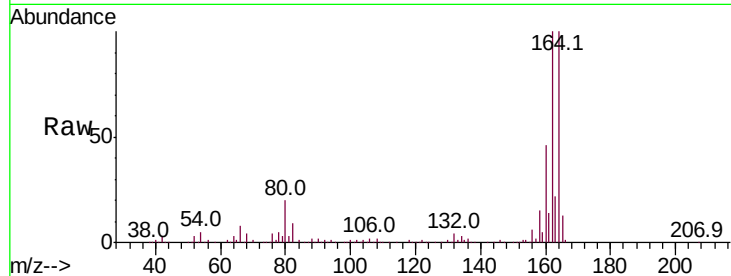
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.8	121.2
160	45.9	36.2	54.4

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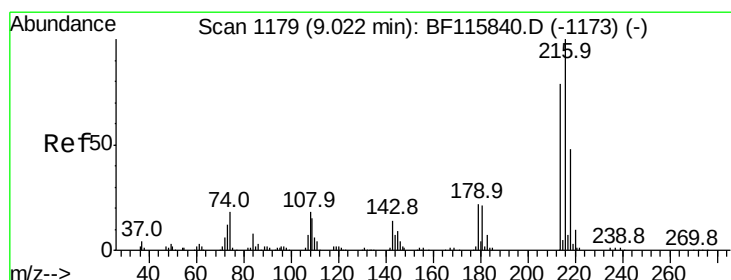
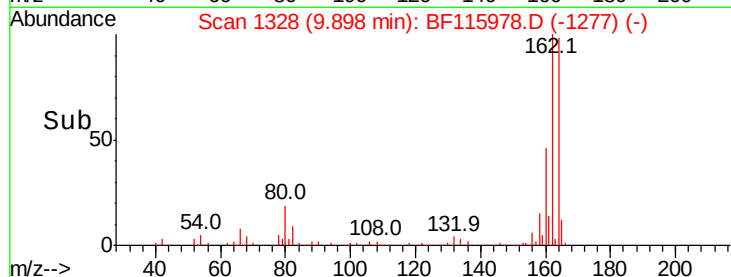
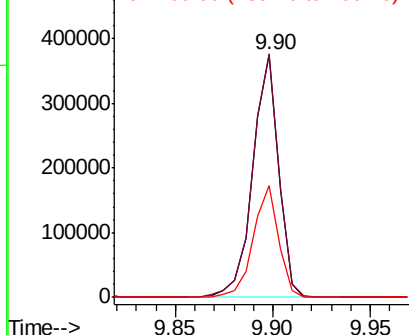


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.151 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.8	94.2
179	22.4	17.6	26.4
108	21.9	16.1	24.1

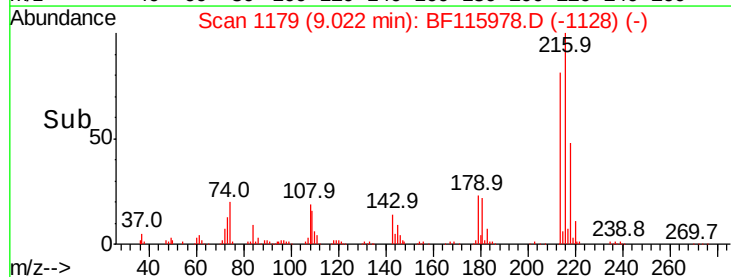
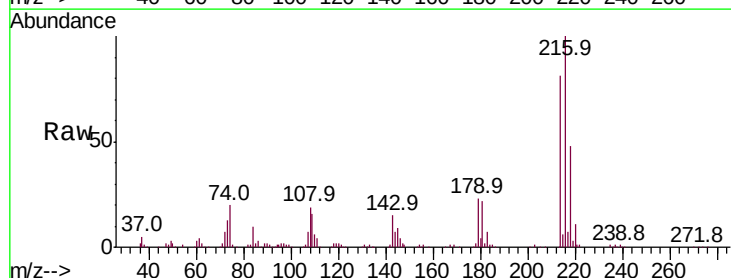
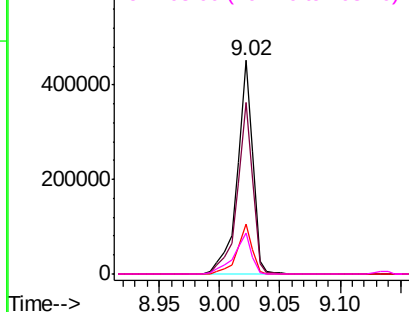
Abundance

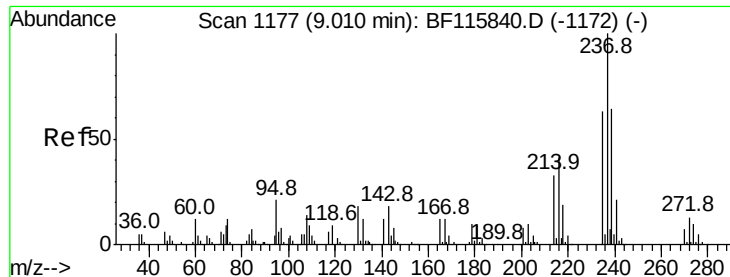
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 69.494 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

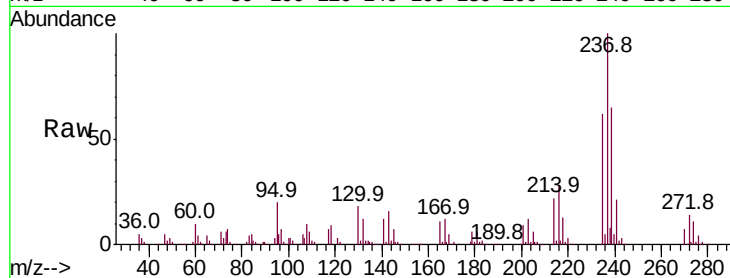
ClientSampleId :

IDOC BS-SOIL04-RC

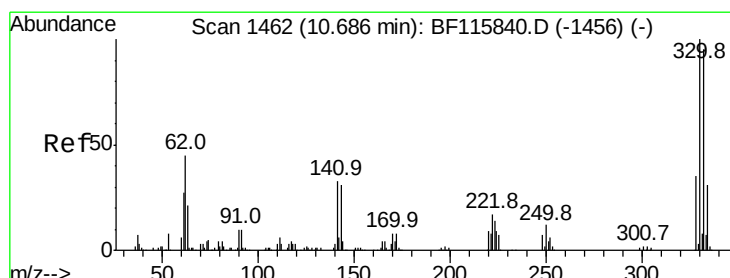
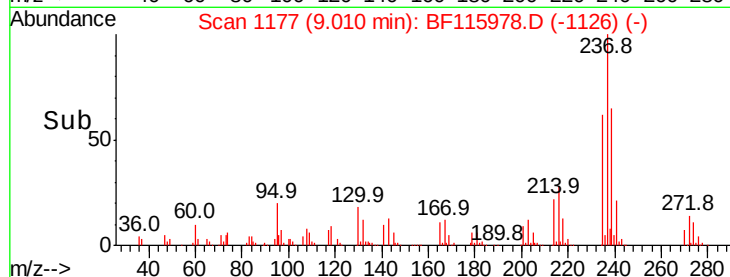
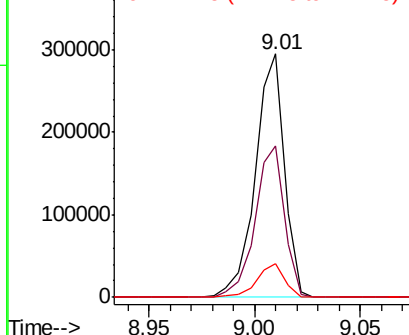
Tot Ion:	237	Resp:	282619
Ion Ratio	Lower	Upper	
237	100		
235	62.4	42.5	82.5
272	13.7	0.0	33.3

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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: 117.712 ng

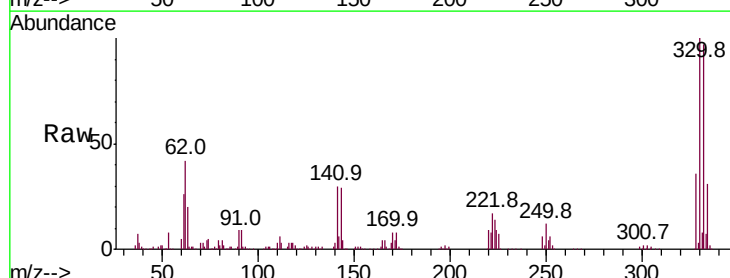
RT: 10.69 min Scan# 1463

Delta R.T. 0.01 min

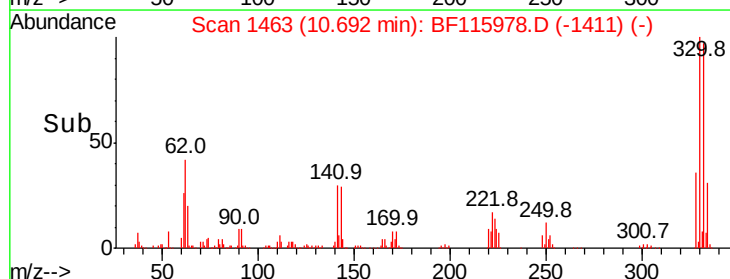
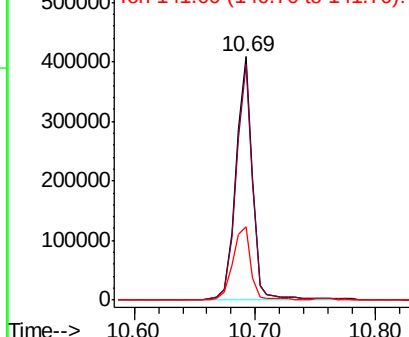
Lab File: BF115978.D

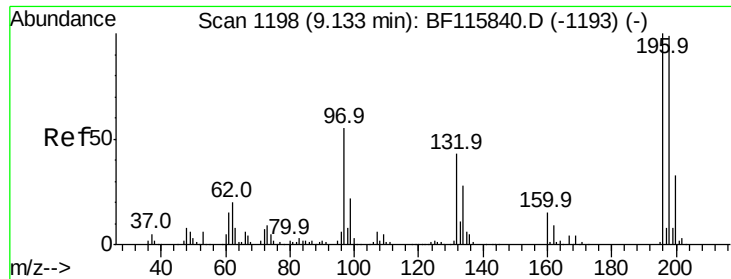
Acq: 3 Aug 2019 13:43

Tgt Ion:	330	Resp:	391446
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.7	116.5
141	33.2	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





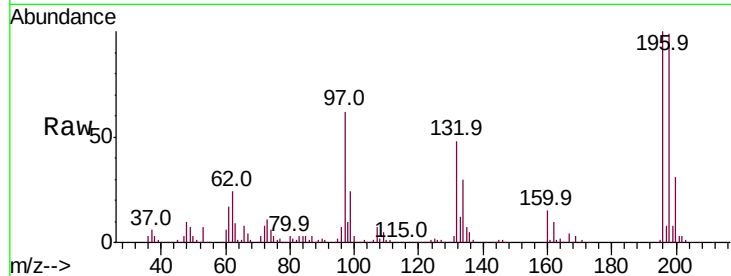
#43
 2,4,6-Trichlorophenol
 Concen: 43.476 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tot Ion	Ratio	Resp	Lower	Upper
196	100	274406		
198	99.2	79.1	118.7	
200	31.1	26.0	39.0	

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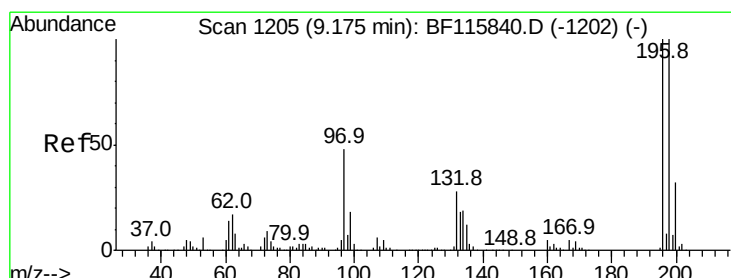
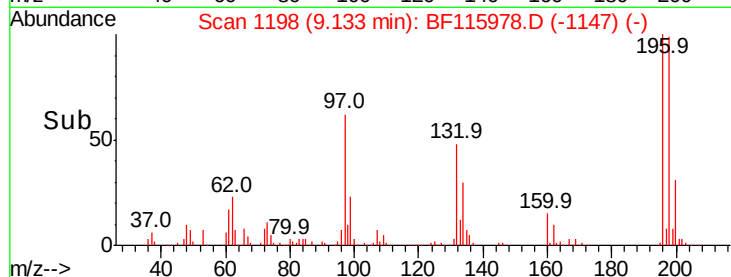
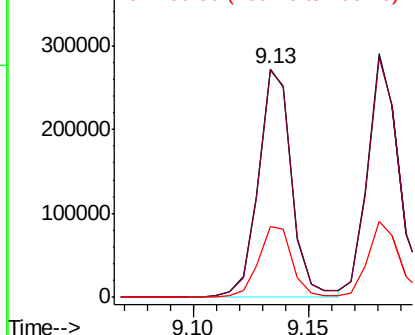


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 45.111 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	294318		
198	98.5	80.1	120.1	
97	53.0	38.9	58.3	
132	29.4	22.6	33.8	

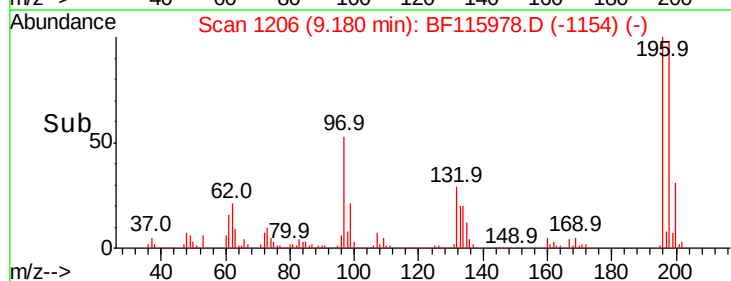
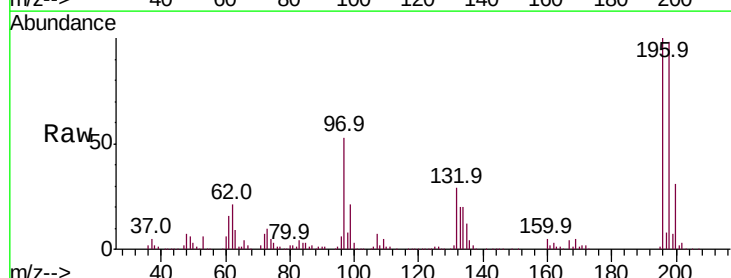
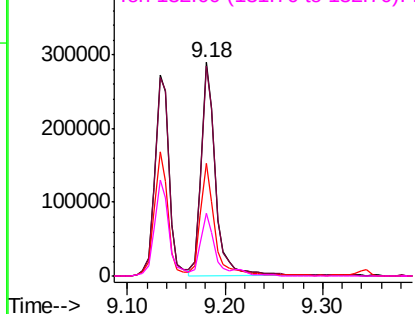
Abundance

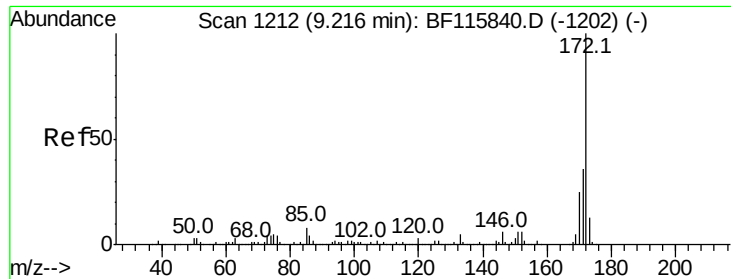
Ion 196.00 (195.70 to 196.70): E

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





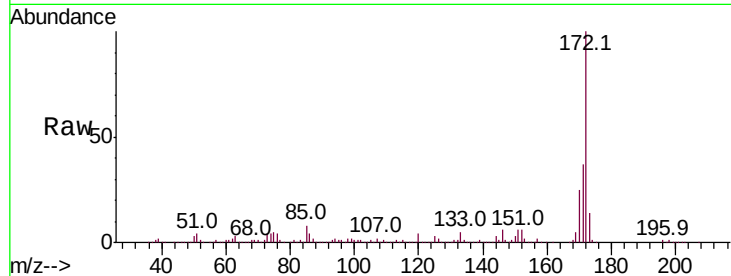
#45
2-Fluorobiphenyl
Concen: 84.088 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.1	43.7
170	25.3	20.1	30.1

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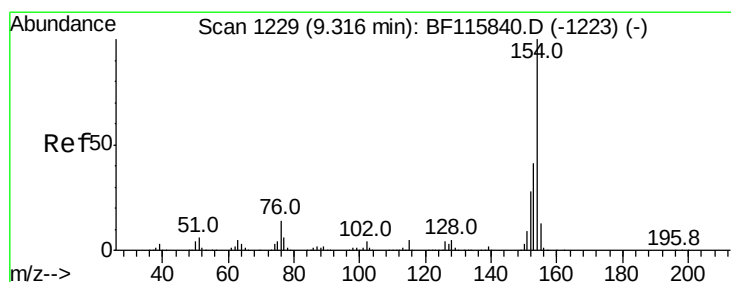
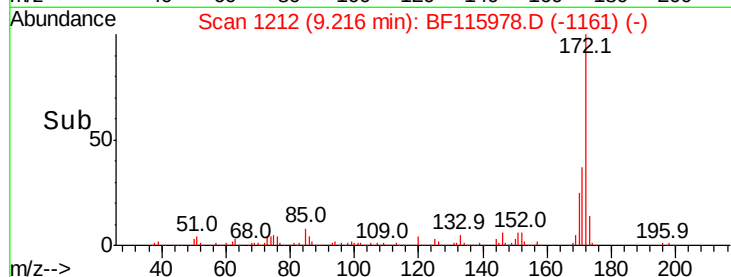
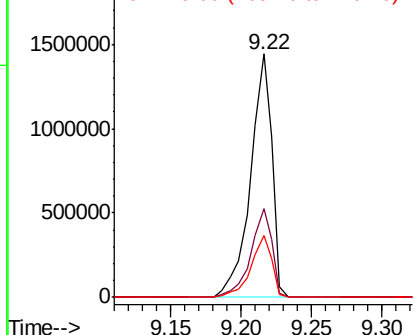


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 44.862 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

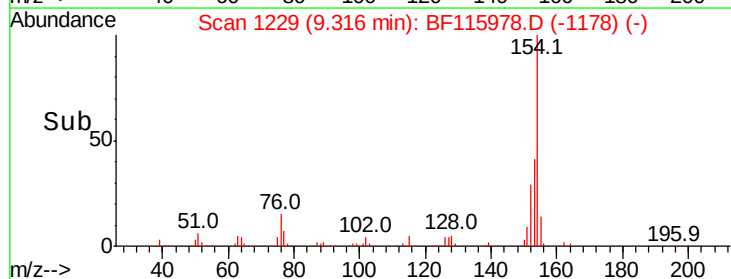
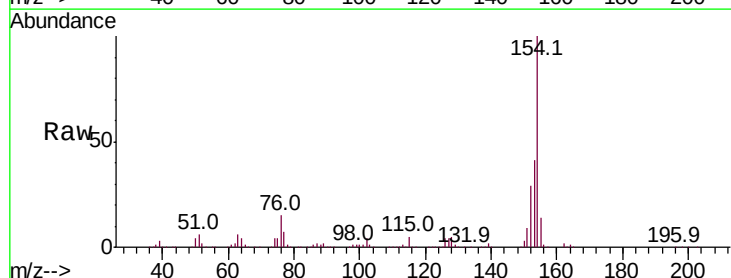
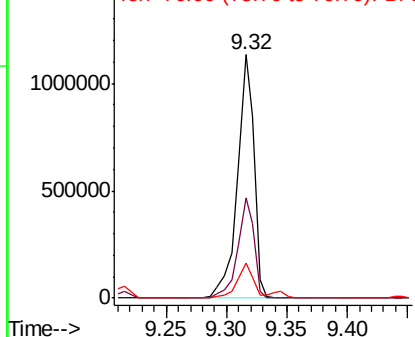
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.9	60.9
76	14.6	0.0	34.3

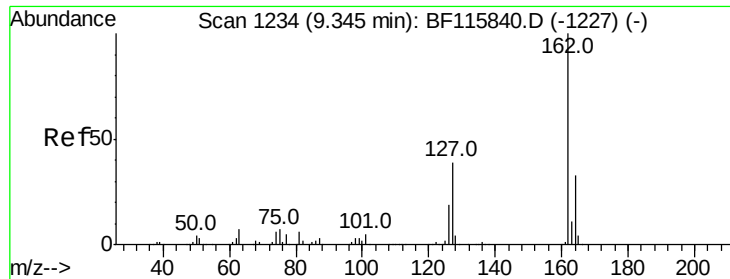
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





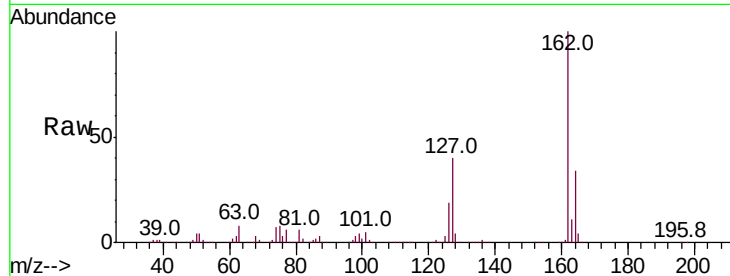
#47
 2-Chloronaphthalene
 Concen: 42.796 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

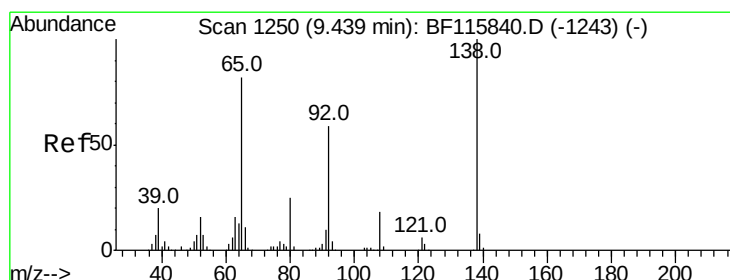
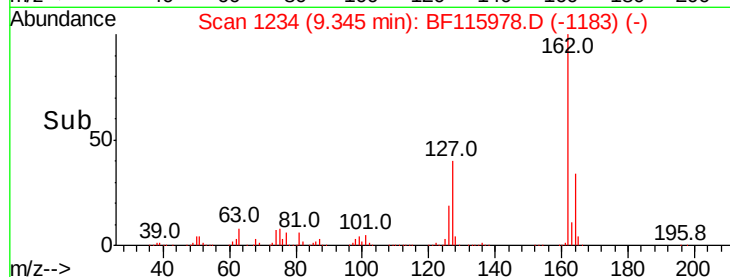
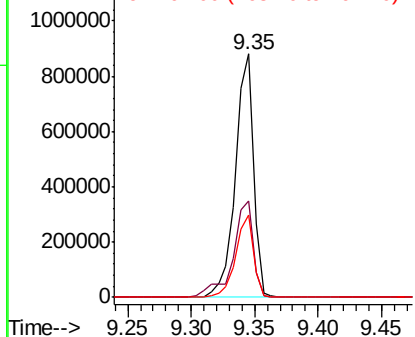
Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	39.8	31.3	46.9	
164	33.9	26.6	40.0	

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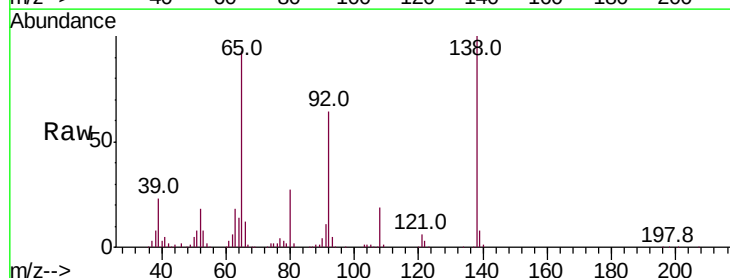


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

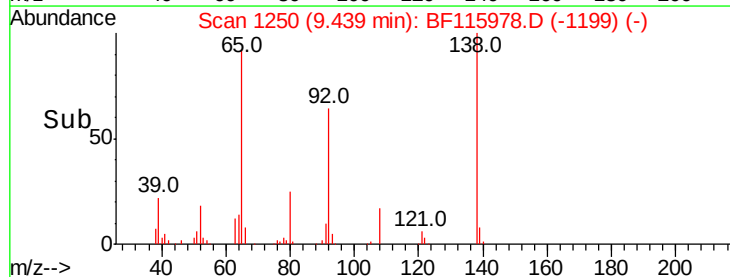
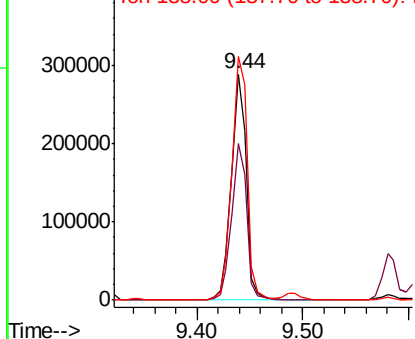


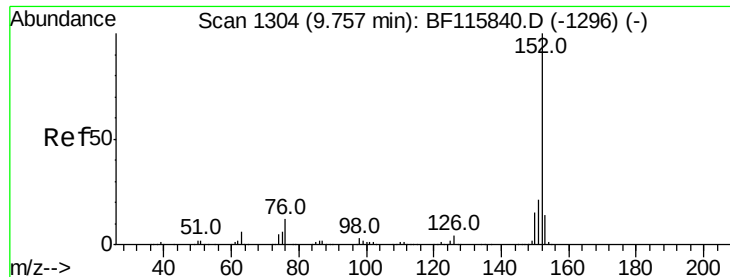
#48
 2-Nitroaniline
 Concen: 42.354 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	69.2	57.1	85.7	
138	107.7	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: 45.009 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion:152 Resp: 1323425

Ion Ratio Lower Upper

152 100

151 21.1 16.8 25.2

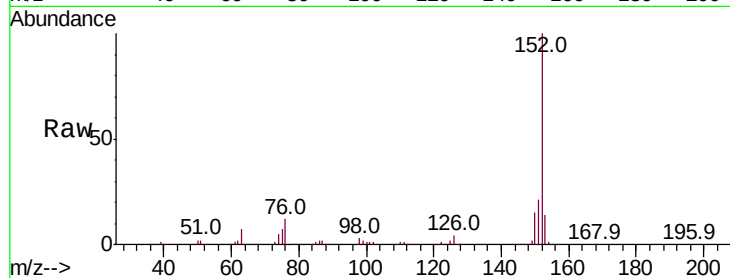
153 14.5 11.6 17.4

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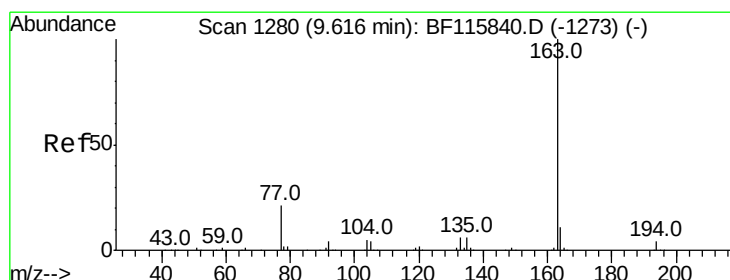
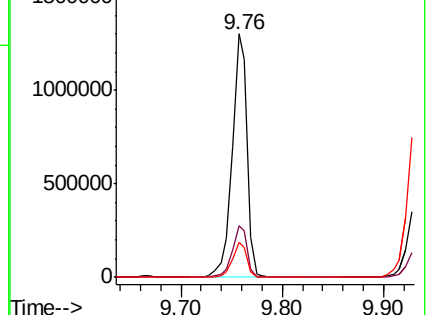
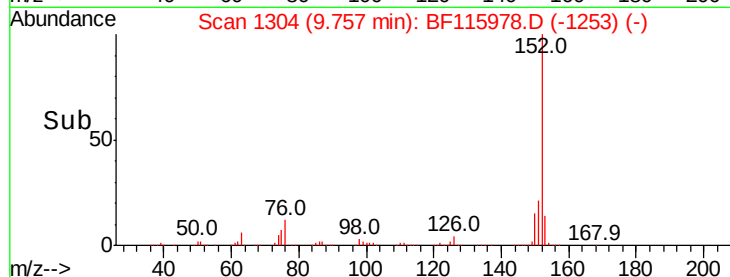
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 45.639 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

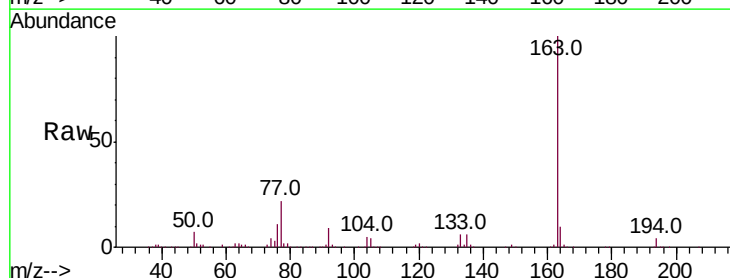
Tgt Ion:163 Resp: 1065859

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

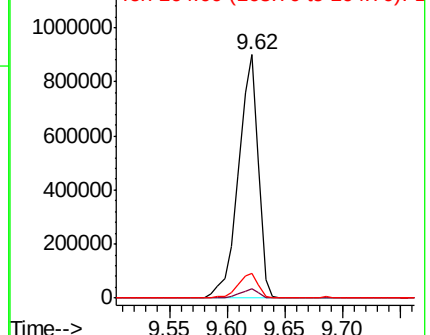
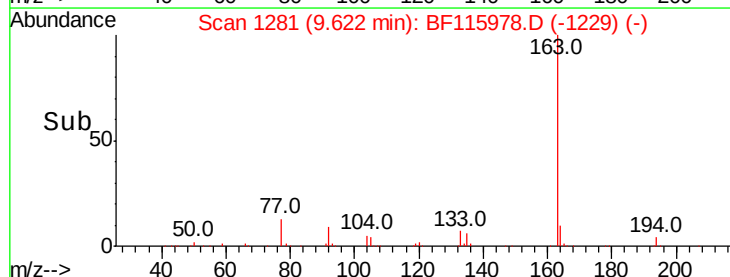
164 10.2 8.4 12.6

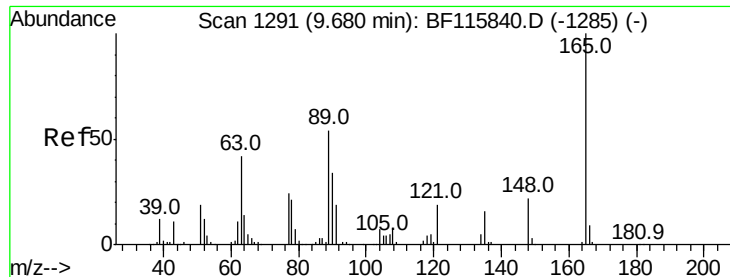


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 46.882 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

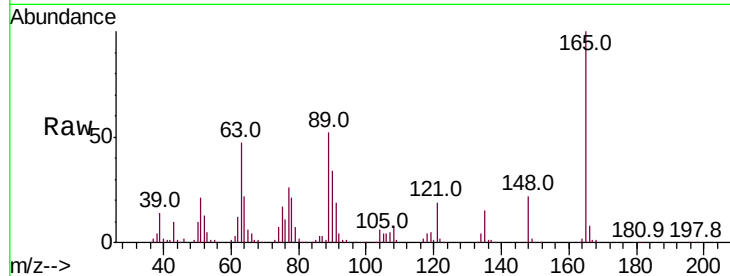
ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion:	165	Resp:	237939
Ion Ratio	Lower	Upper	
165	100		
63	47.0	39.4	59.2
89	52.1	43.0	64.6

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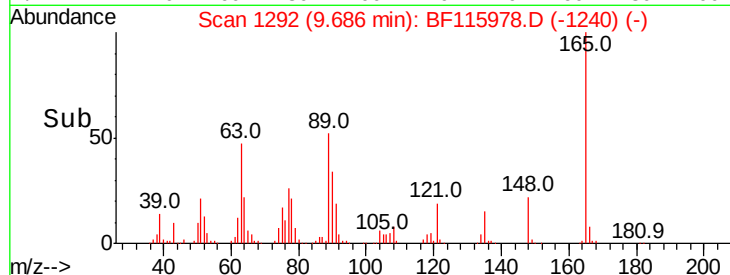


Abundance Ion 165.00 (164.70 to 165.70): E

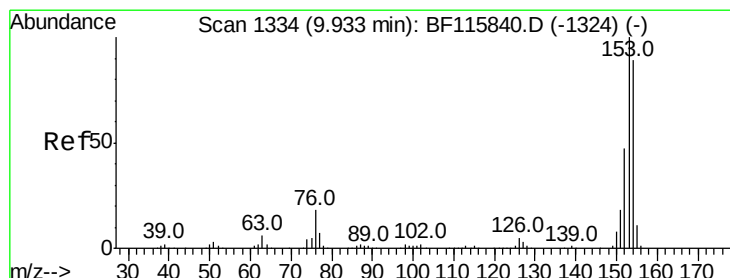
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Time-->



Time-->



#52

Acenaphthene

Concen: 43.768 ng

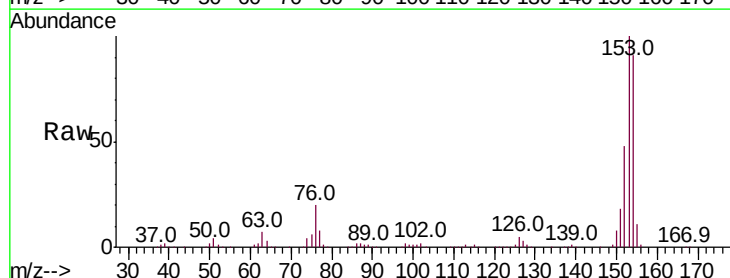
RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Tgt Ion:	154	Resp:	789522
Ion Ratio	Lower	Upper	
154	100		
153	110.4	90.1	135.1
152	53.0	42.6	63.8

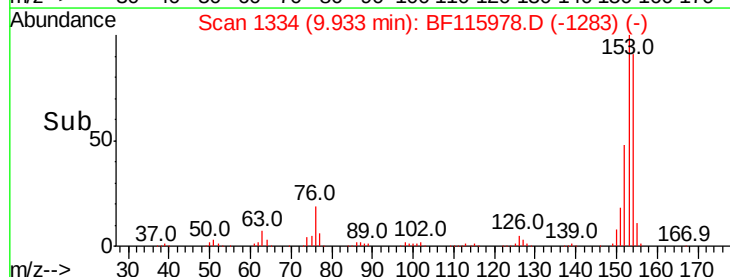


Abundance Ion 154.00 (153.70 to 154.70): E

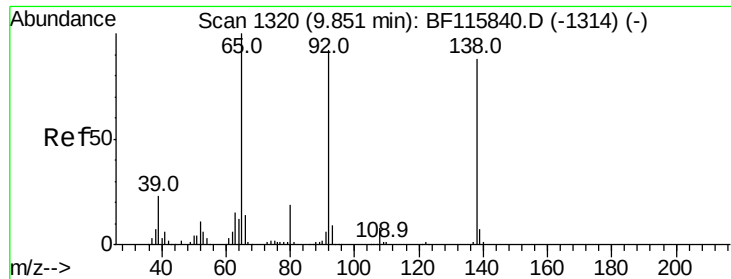
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



Time-->



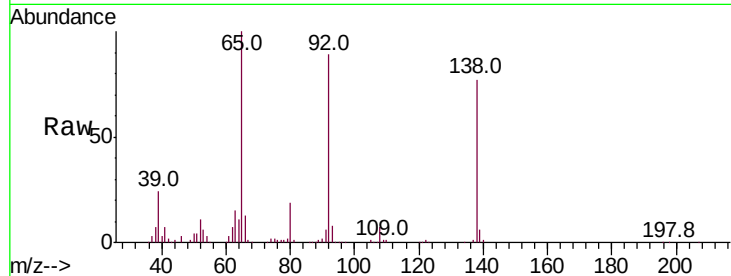
#53
3-Nitroaniline
Concen: 30.544 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.7	7.4	11.2
92	115.4	83.9	125.9

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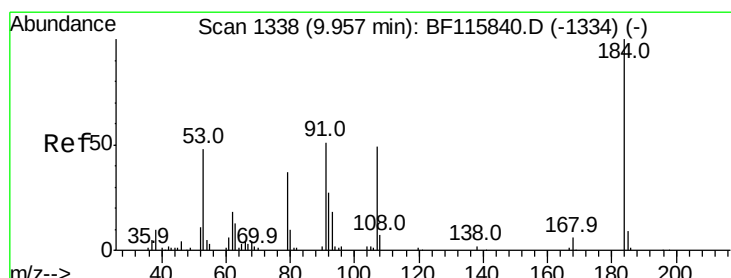
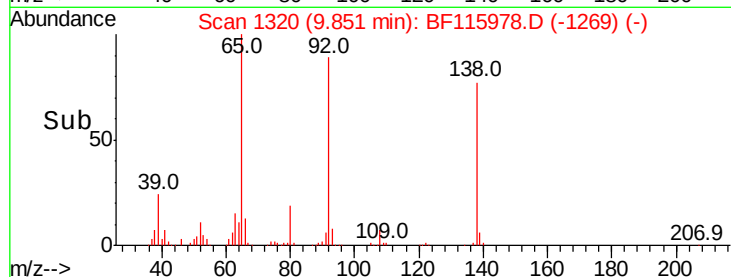
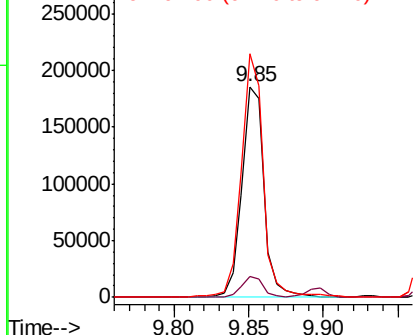


Abundance

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: 79.962 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

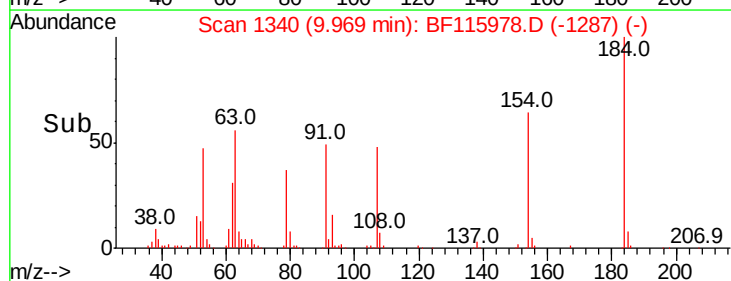
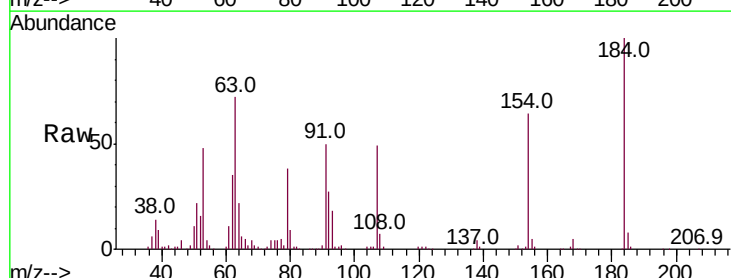
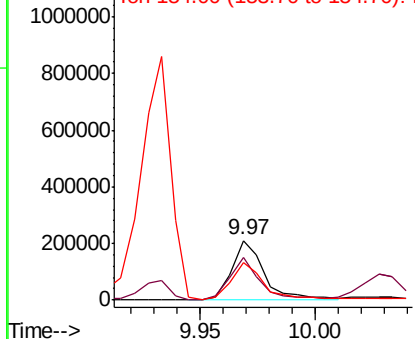
Tgt Ion	Ratio	Lower	Upper
184	100		
63	72.0	56.7	85.1
154	63.5	51.9	77.9

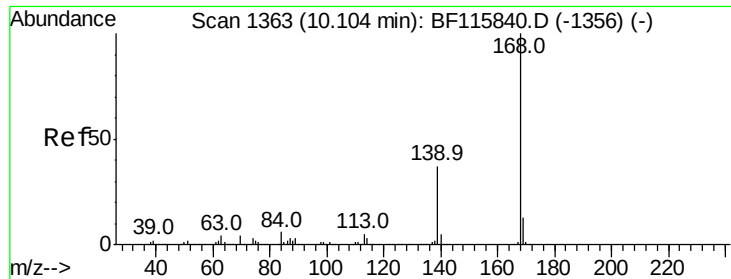
Abundance

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





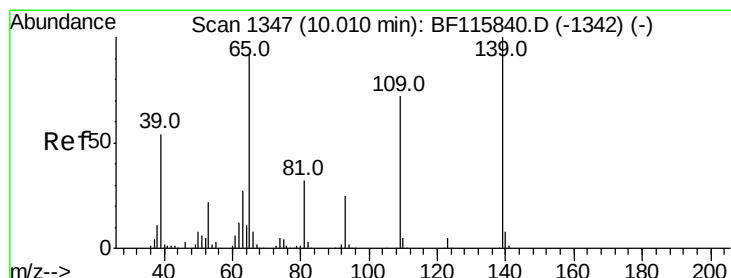
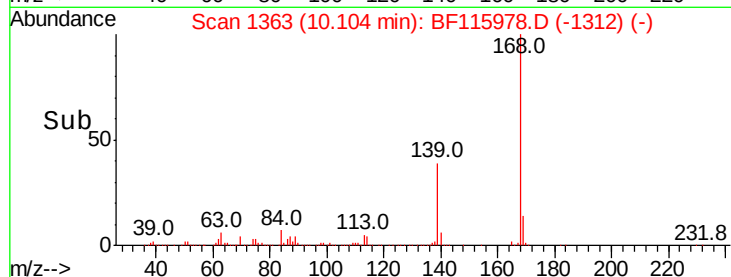
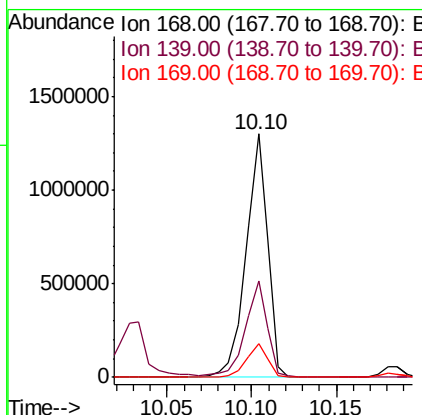
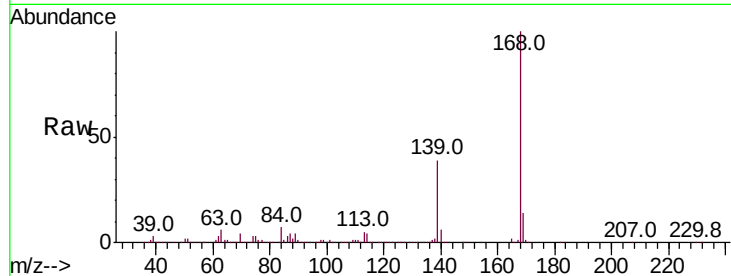
#55
Dibenzofuran
Concen: 44.540 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.5	30.2	45.2
169	14.0	10.8	16.2

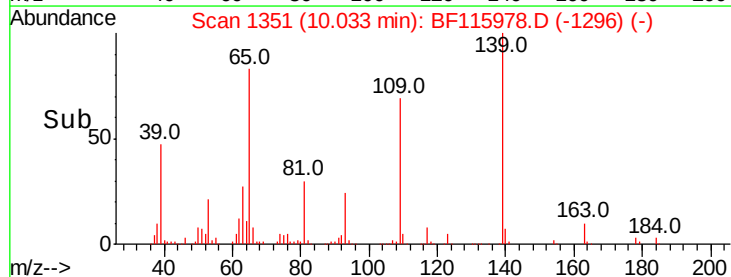
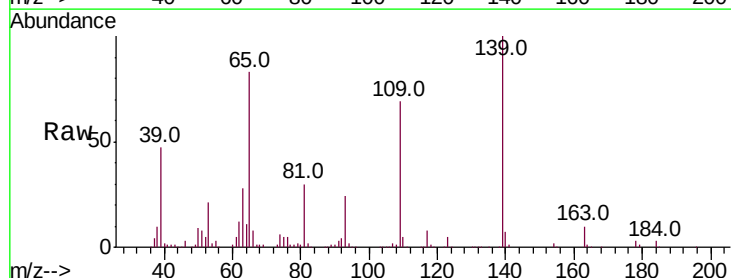
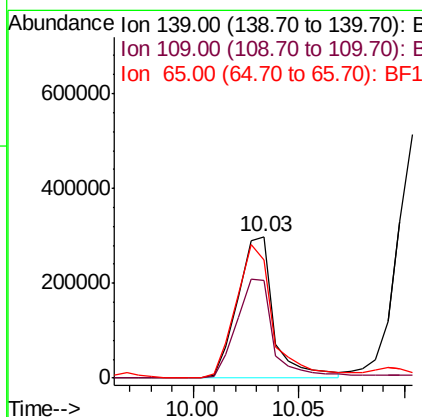
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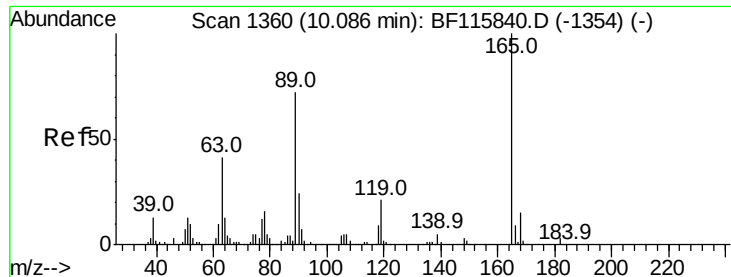
mohammad
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#56
4-Nitrophenol
Concen: 88.077 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.02 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
139	100		
109	69.1	52.0	92.0
65	83.1	72.6	112.6





#57

2,4-Dinitrotoluene

Concen: 45.221 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion:165 Resp: 305572

Ion Ratio Lower Upper

165 100

63 49.2 33.2 49.8

89 78.7 57.3 85.9

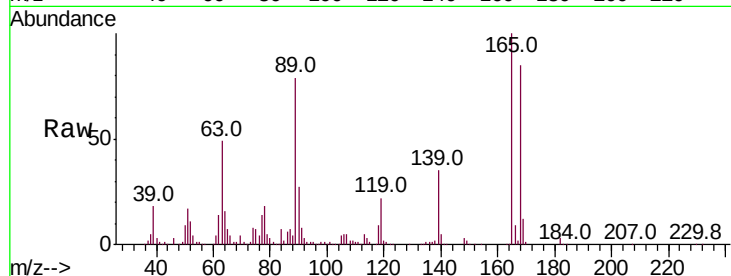
182 2.7 2.1 3.1

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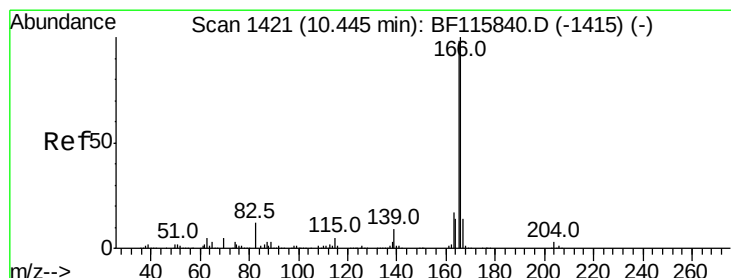
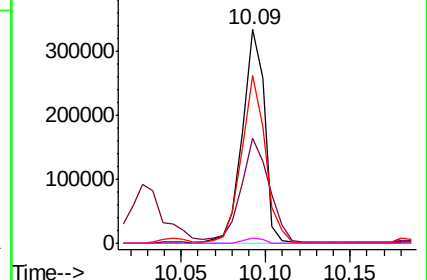
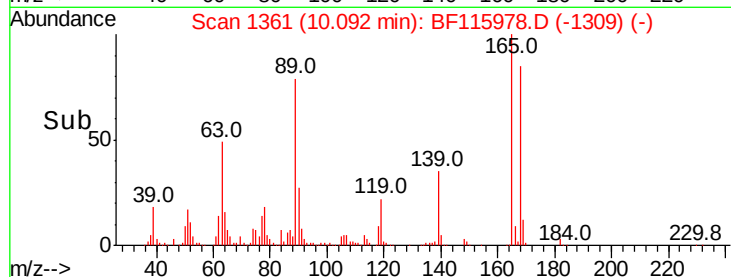


Abundance Ion 165.00 (164.70 to 165.70): E

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: 44.790 ng

RT: 10.45 min Scan# 1422

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

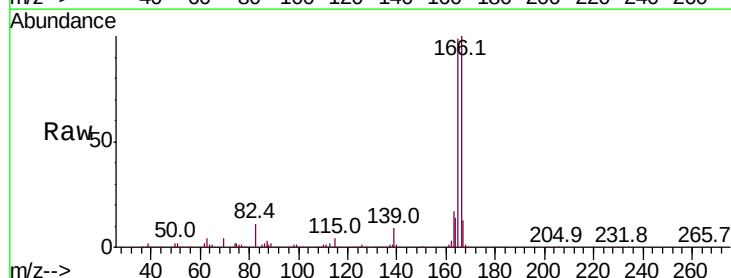
Tgt Ion:166 Resp: 903984

Ion Ratio Lower Upper

166 100

165 98.8 78.6 118.0

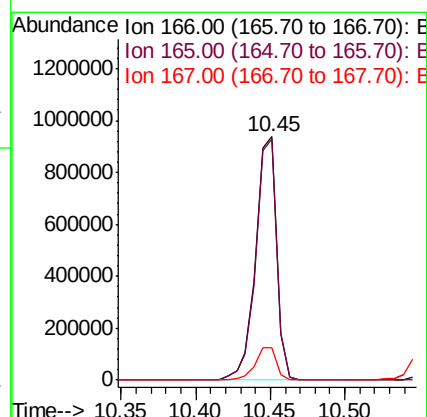
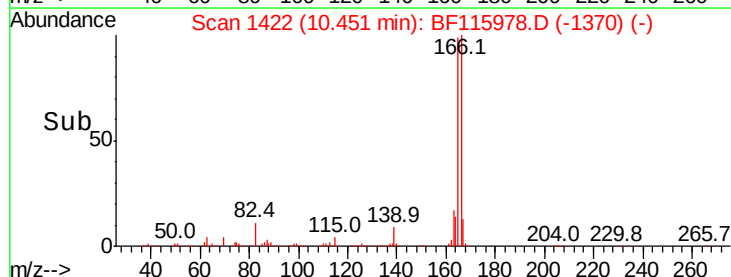
167 13.3 10.9 16.3

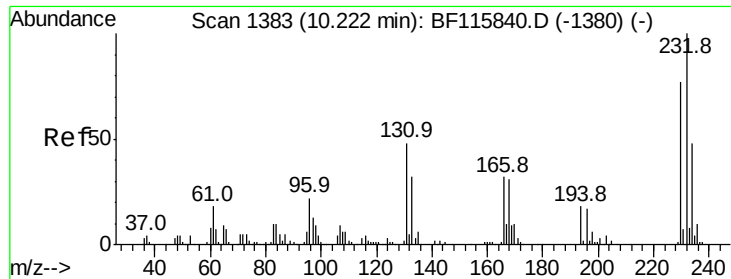


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





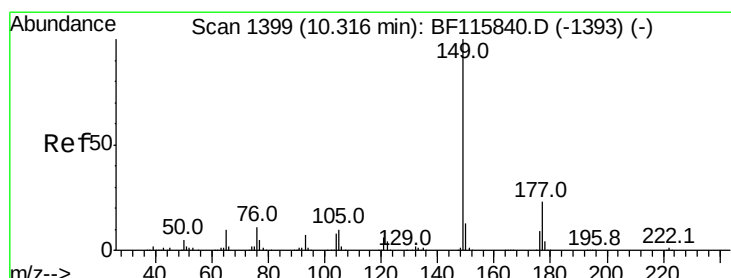
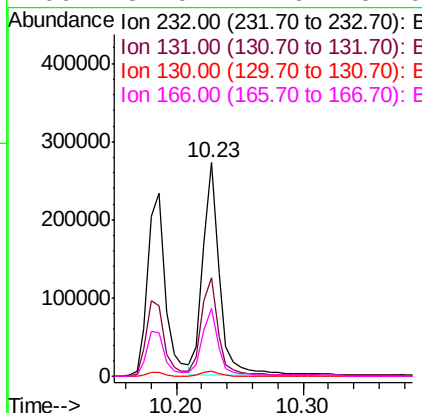
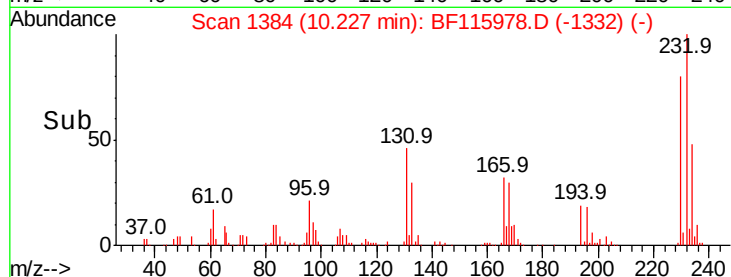
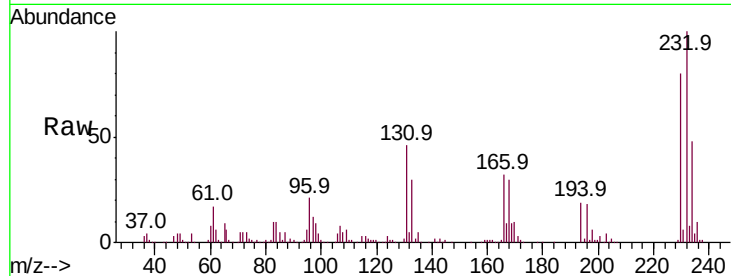
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.159 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
232	100		
131	48.2	37.6	56.4
130	2.6	1.8	2.8
166	31.0	24.6	37.0

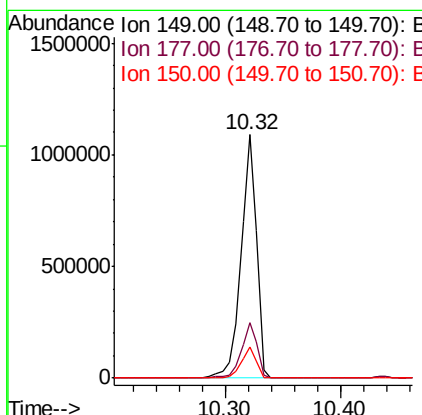
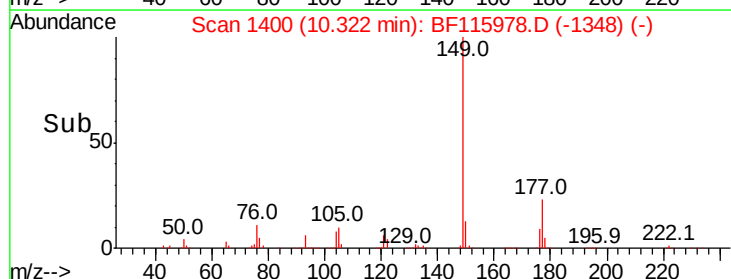
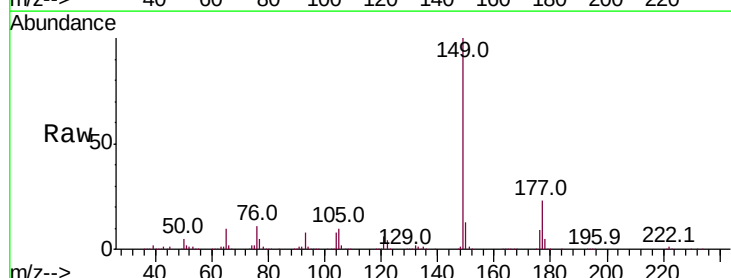
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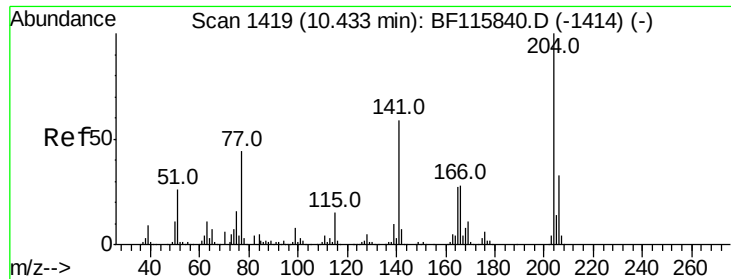
mohammad
 8/8/2019 4:45:27 PM



#60
 Diethylphthalate
 Concen: 46.542 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.4	27.6
150	12.9	10.1	15.1





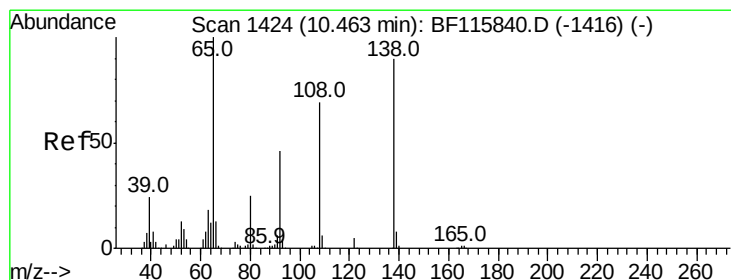
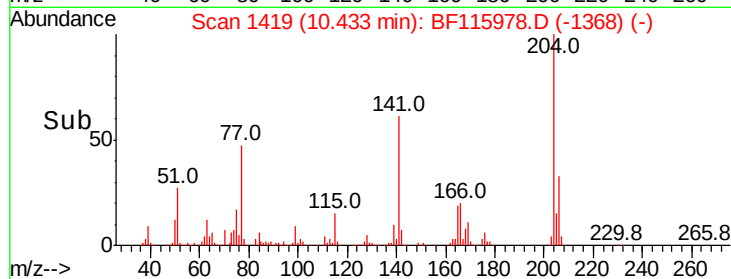
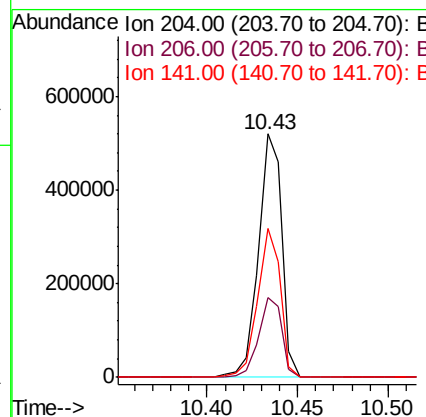
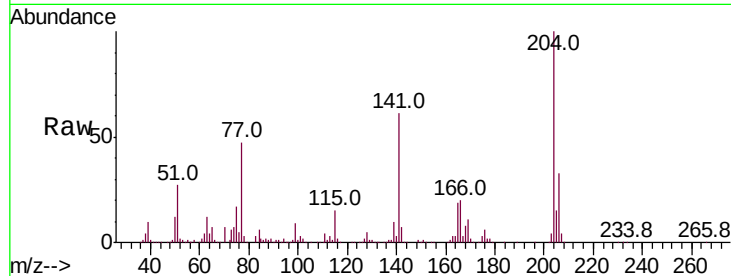
#61
4-Chlorophenyl-phenylether
Concen: 45.446 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	61.2	47.0	70.4

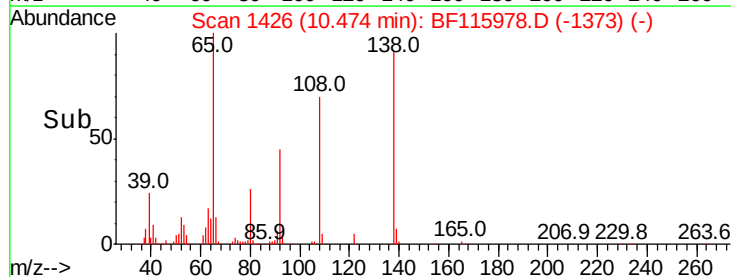
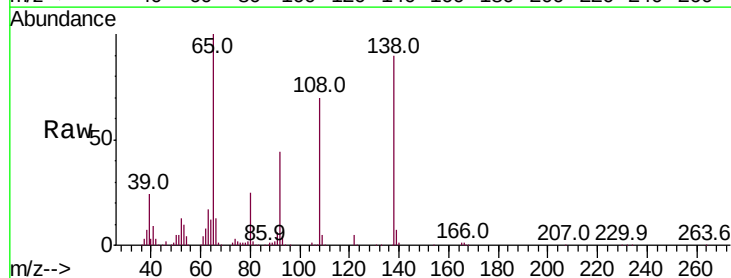
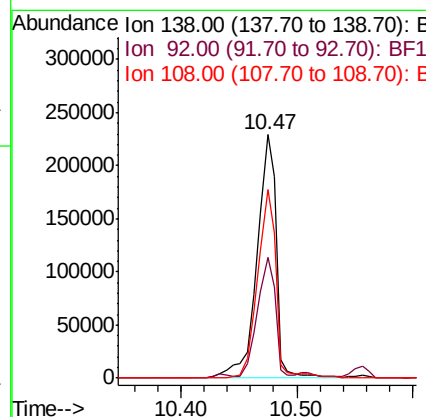
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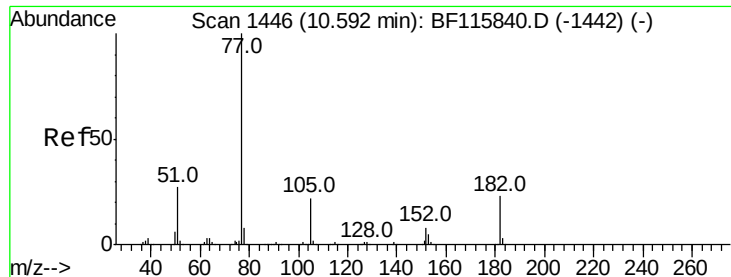
mohammad
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#62
4-Nitroaniline
Concen: 41.197 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.4	31.0	71.0
108	77.3	56.7	96.7





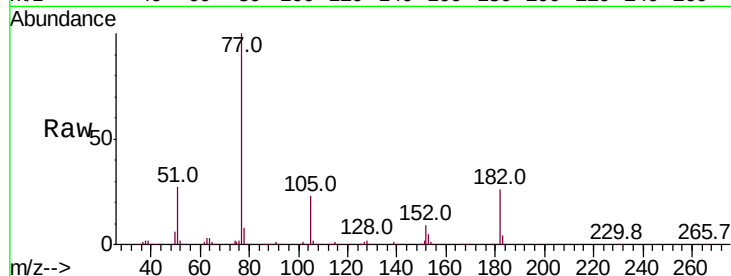
#63
Azobenzene
Concen: 46.212 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
77	100		
182	25.5	2.6	42.6
105	22.6	1.6	41.6
51	27.1	7.4	47.4

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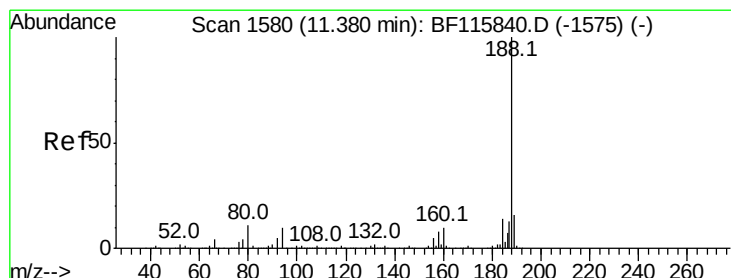
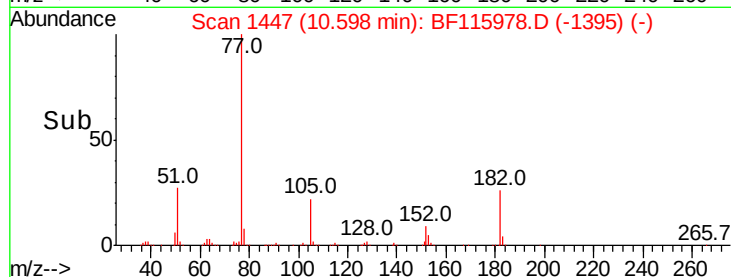
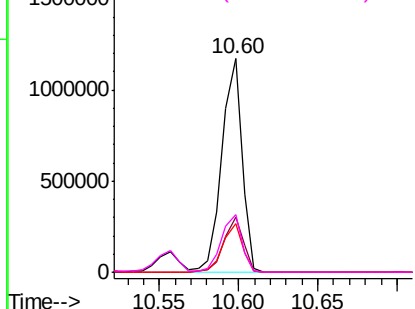
Abundance

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: BF115978.D
Acq: 3 Aug 2019 13:43

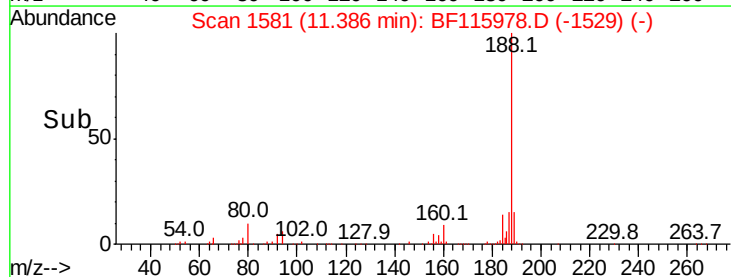
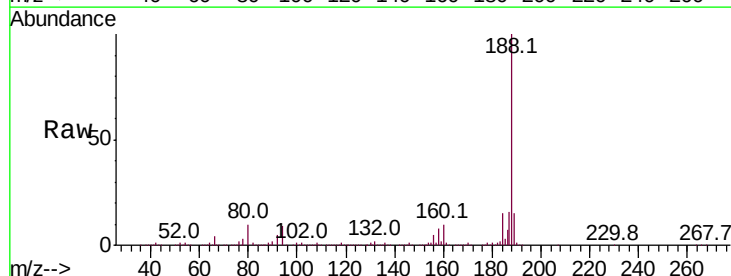
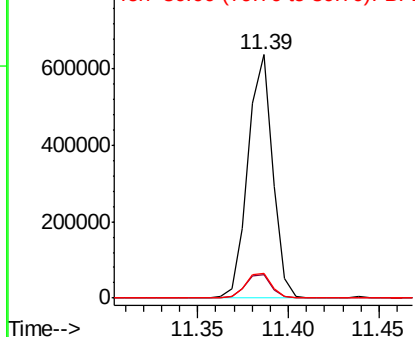
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	10.1	8.6	12.8

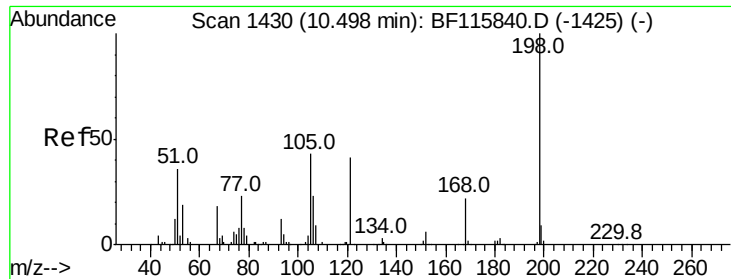
Abundance

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: 48.135 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

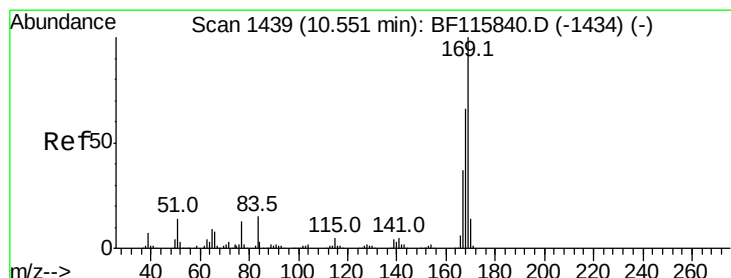
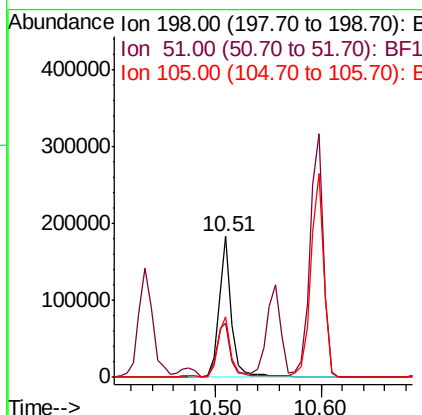
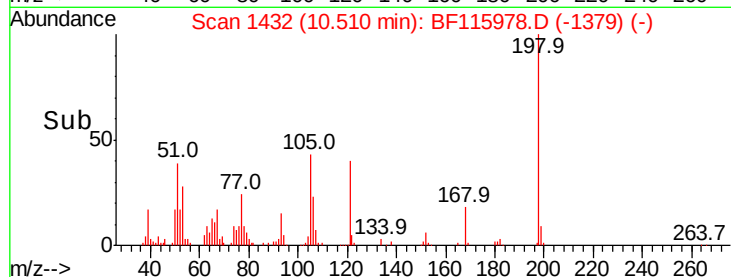
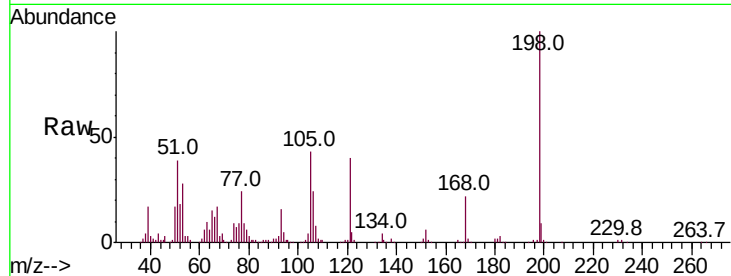
ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion:	198	Resp:	154770
Ion Ratio	Lower	Upper	
198	100		
51	38.7	21.1	61.1
105	42.9	24.5	64.5

Manual Integrations
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#66

n-Nitrosodiphenylamine

Concen: 46.056 ng

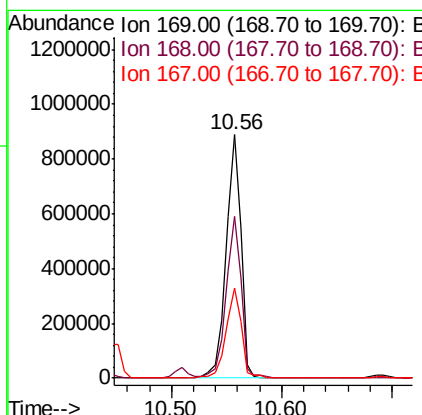
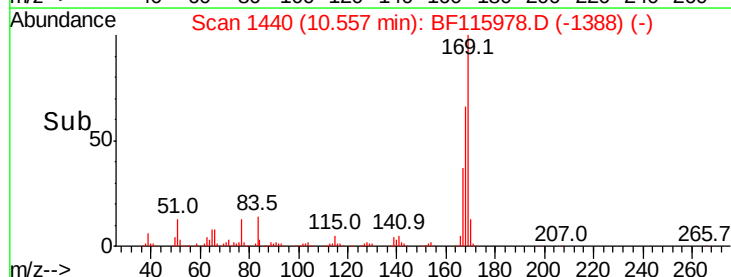
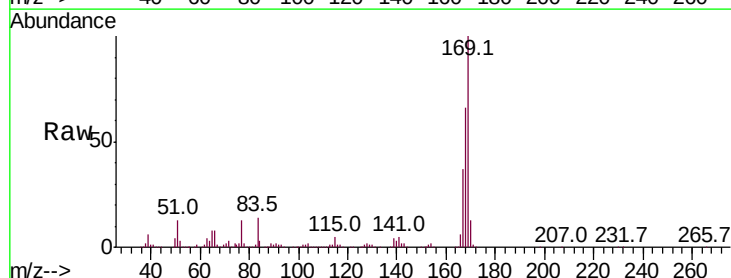
RT: 10.56 min Scan# 1440

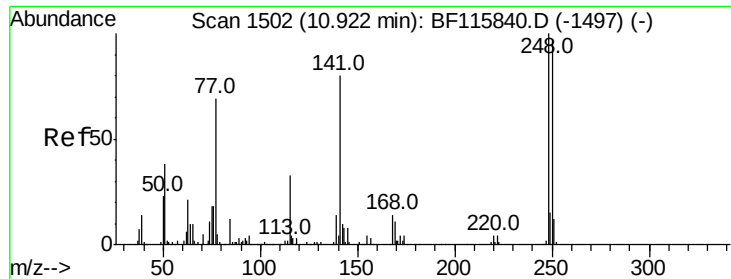
Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Tgt Ion:	169	Resp:	841082
Ion Ratio	Lower	Upper	
169	100		
168	66.2	53.0	79.6
167	37.1	29.9	44.9





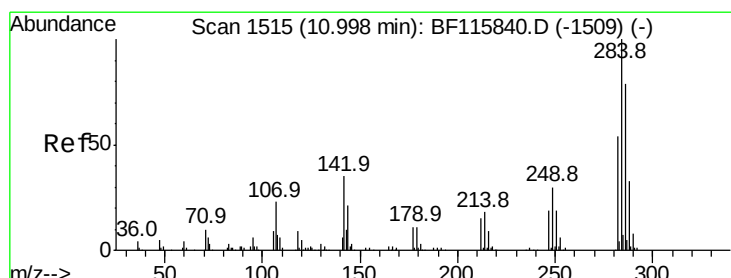
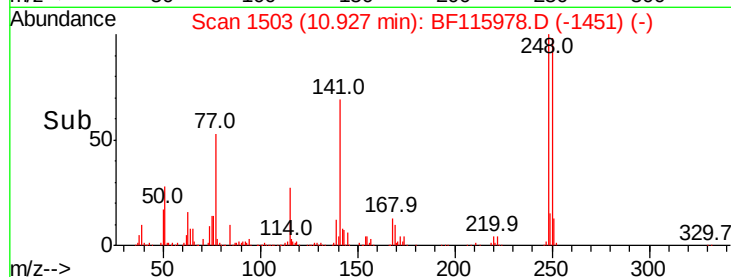
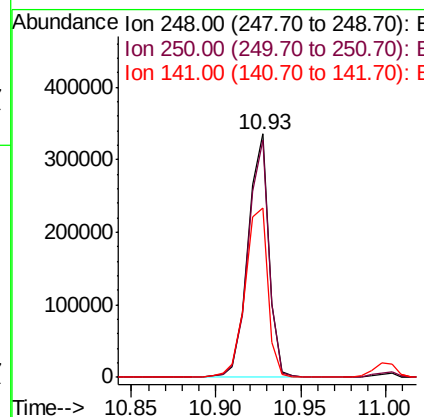
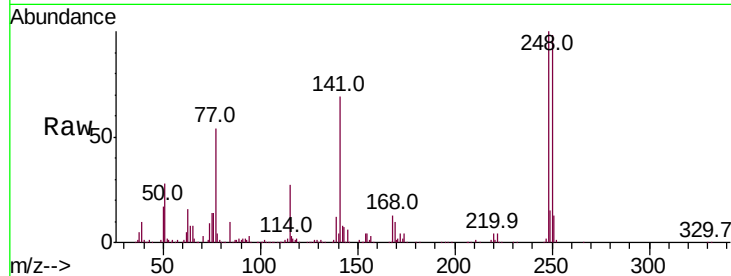
#67
4-Bromophenyl-phenylether
Concen: 44.829 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.8	116.6
141	69.4	64.3	96.5

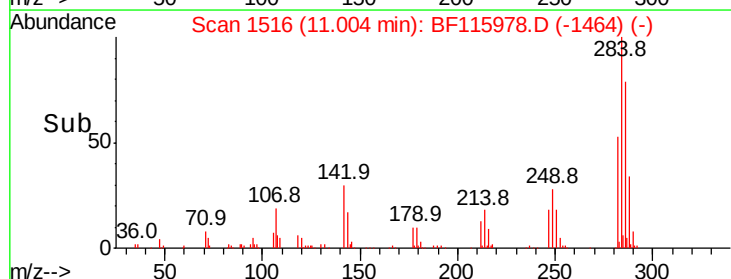
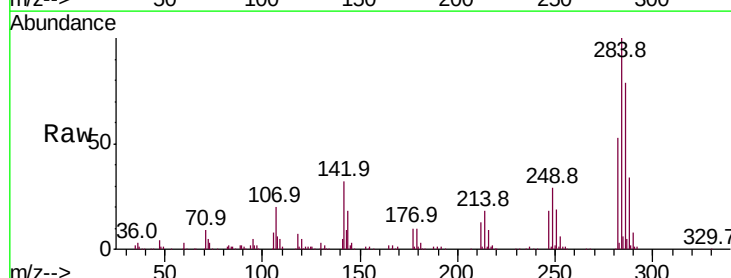
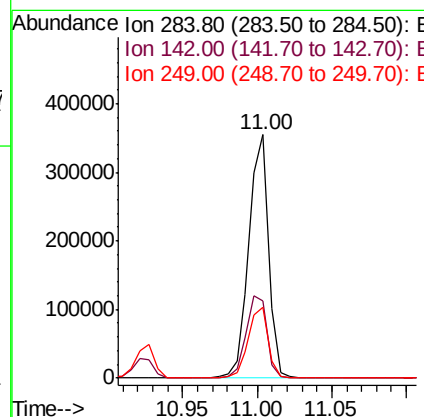
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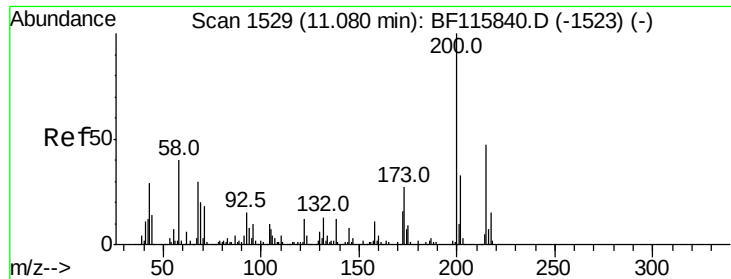
mohammad
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#68
Hexachlorobenzene
Concen: 43.375 ng
RT: 11.00 min Scan# 1516
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.8	28.2	42.2
249	29.3	24.0	36.0





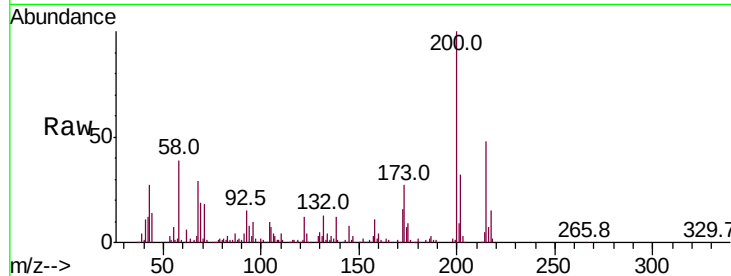
#69
Atrazine
Concen: 45.729 ng
RT: 11.09 min Scan# 1530
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Resp	Lower	Upper
200	100	274739		
173	27.1	7.3	47.3	
215	47.6	26.9	66.9	

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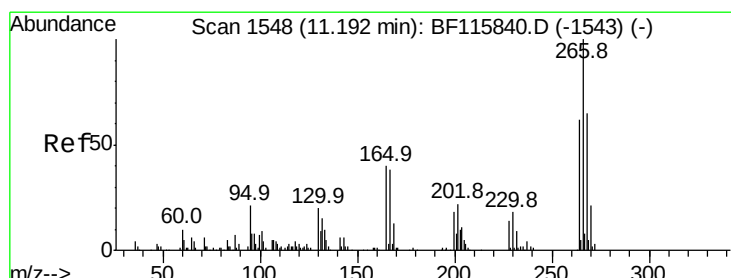
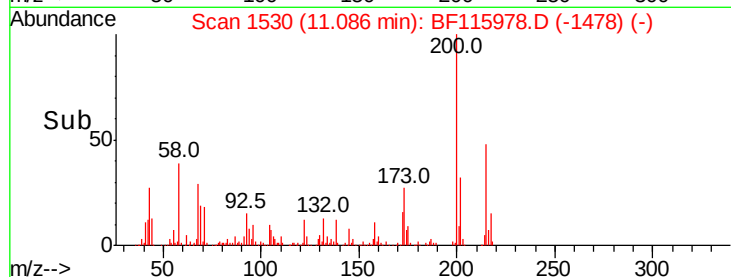
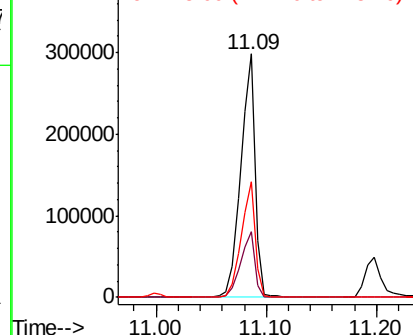


Abundance

Ion 200.00 (199.70 to 200.70): E

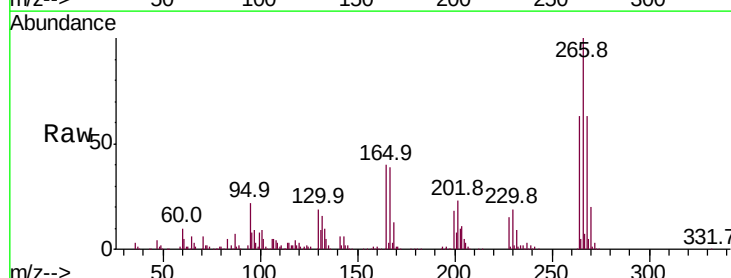
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 87.133 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	317721		
268	62.7	51.6	77.4	
264	63.0	49.4	74.0	

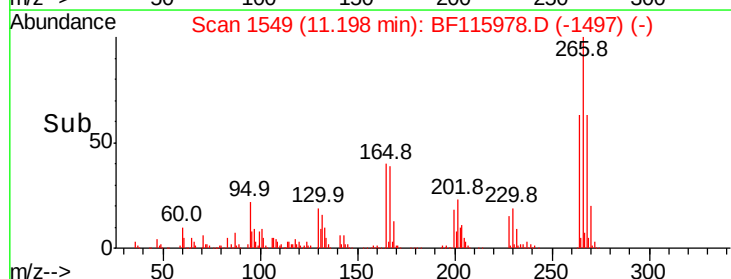
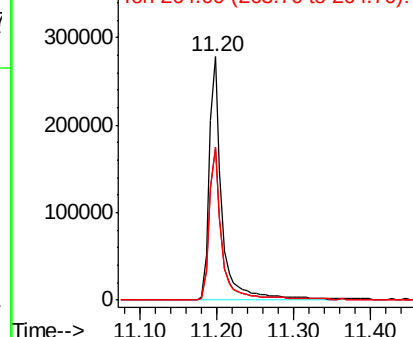


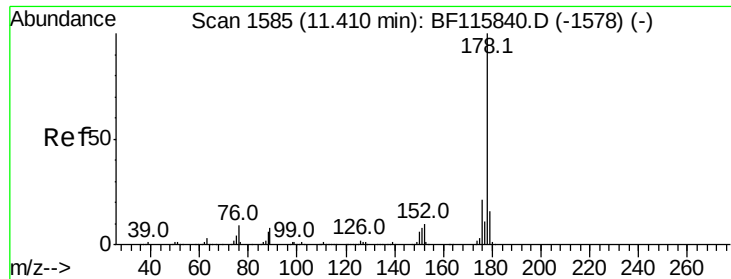
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 43.773 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion:178 Resp: 1357749

Ion Ratio Lower Upper

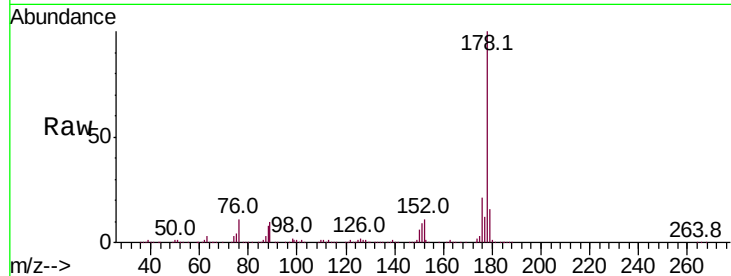
178 100

176 20.8 16.5 24.7

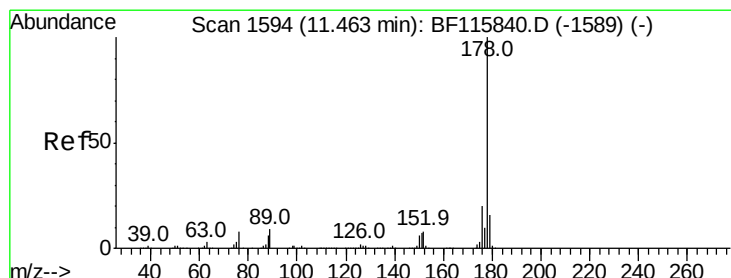
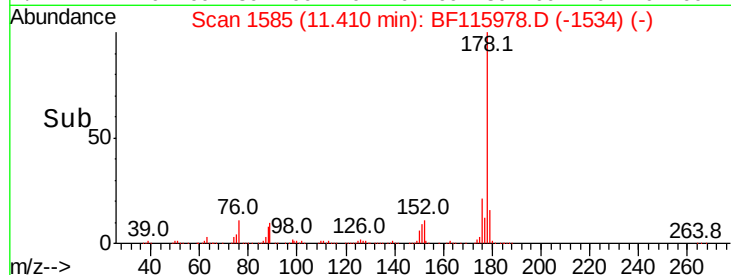
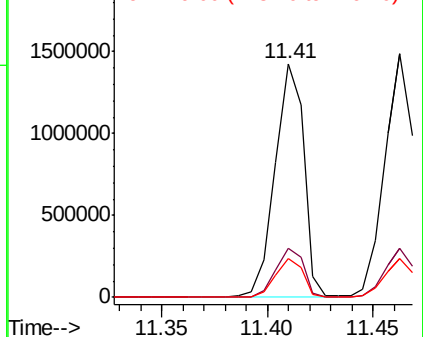
179 16.3 12.6 18.8

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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: 45.159 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Tgt Ion:178 Resp: 1417601

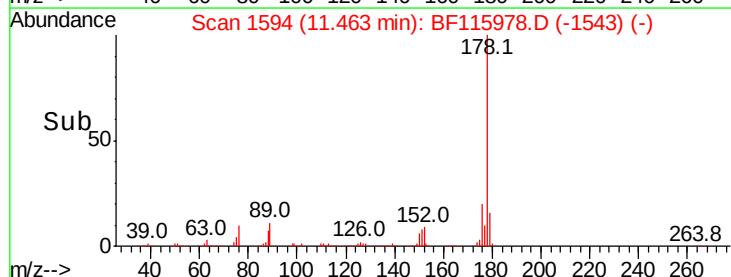
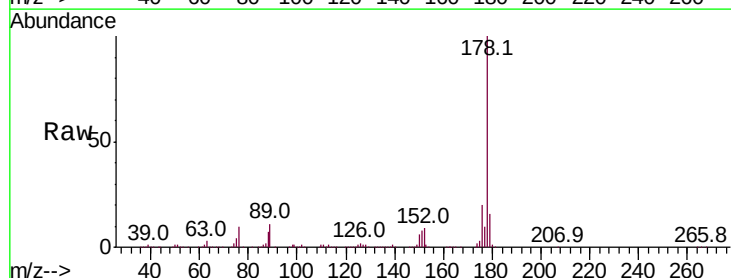
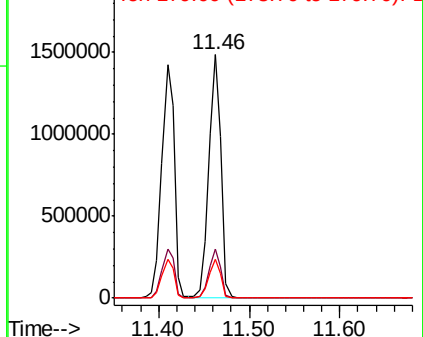
Ion Ratio Lower Upper

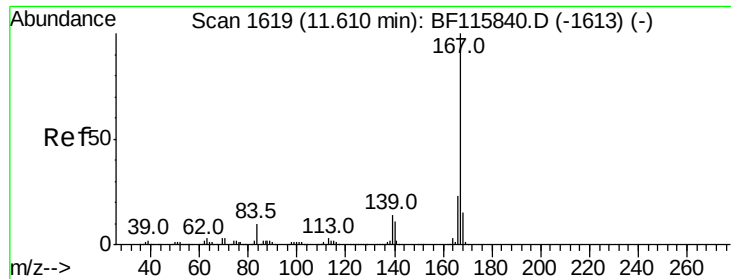
178 100

176 20.2 15.7 23.5

179 15.9 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





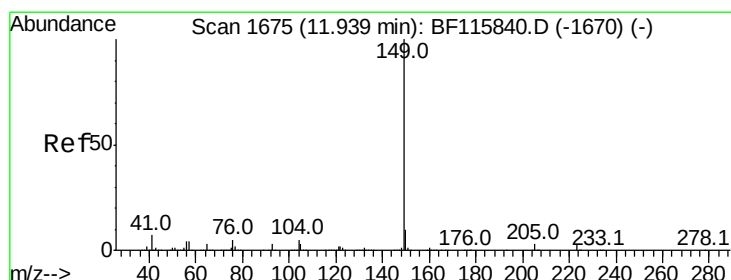
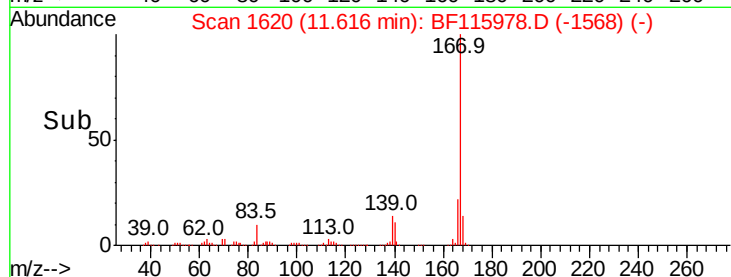
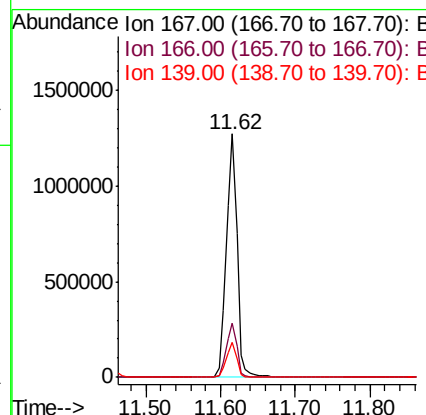
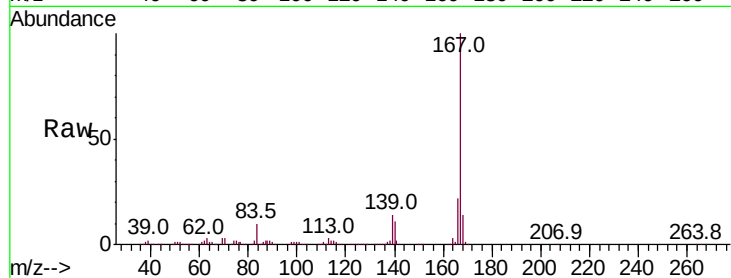
#73
 Carbazole
 Concen: 44.524 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.0	27.0
139	14.2	11.4	17.2

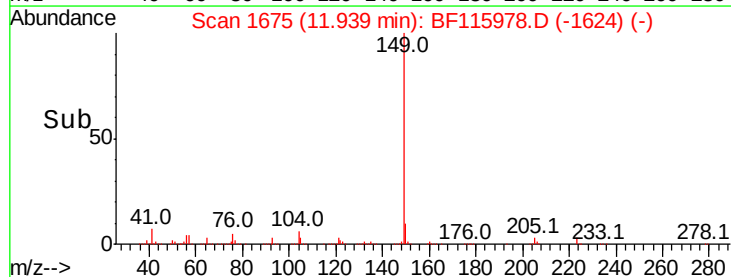
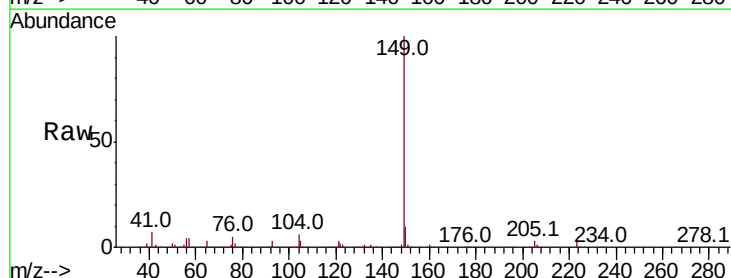
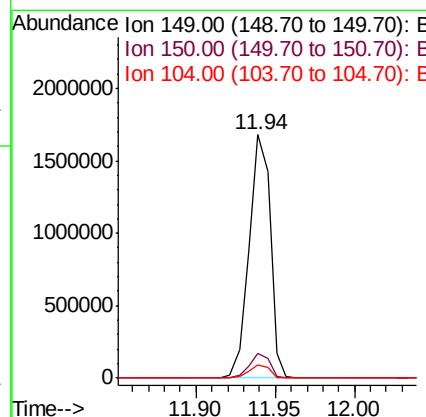
Manual Integrations
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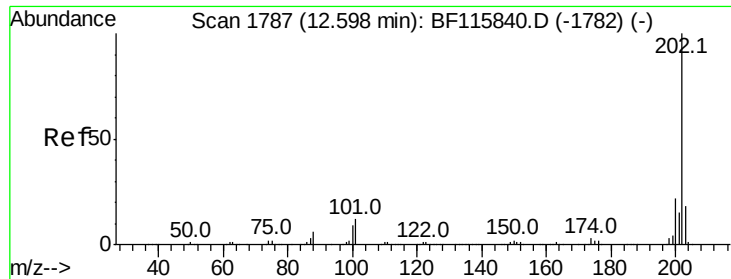
mohammad
 8/8/2019 4:45:27 PM



#74
 Di-n-butylphthalate
 Concen: 46.791 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.7	11.5
104	5.5	4.3	6.5





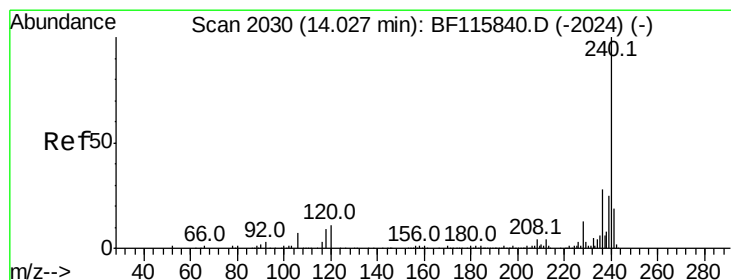
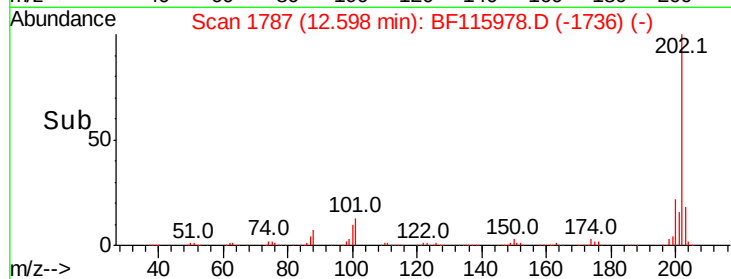
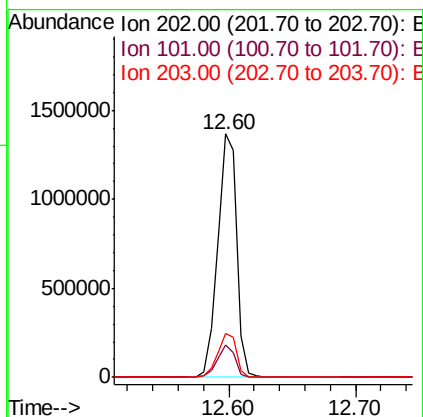
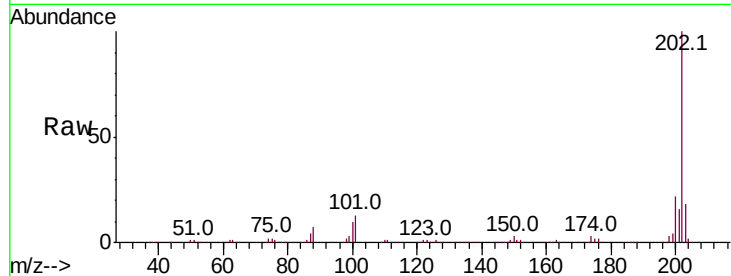
#75
Fluoranthene
 Concen: 44.332 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.5
203	18.2	0.0	37.9

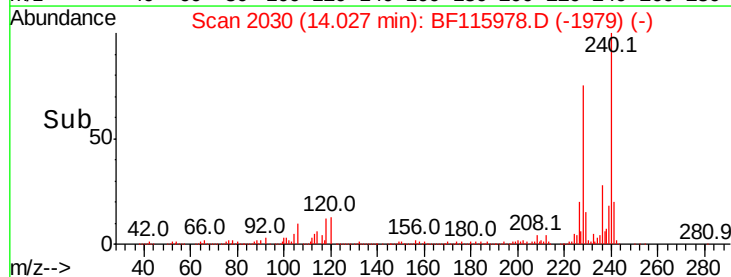
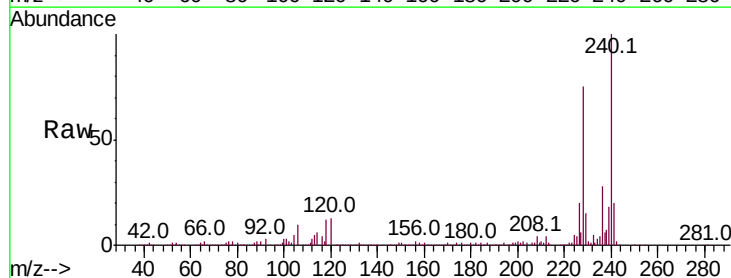
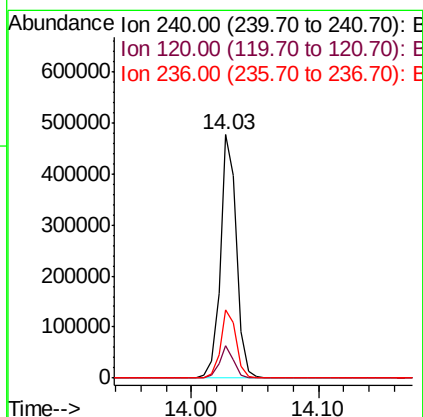
Manual Integrations
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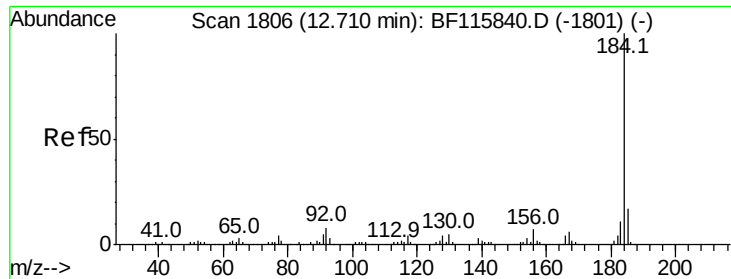
mohammad
 8/8/2019 4:45:27 PM



#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.5	12.7#
236	27.8	22.2	33.2





#77

Benzidine

Concen: 49.199 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion:184 Resp: 699965

Ion Ratio Lower Upper

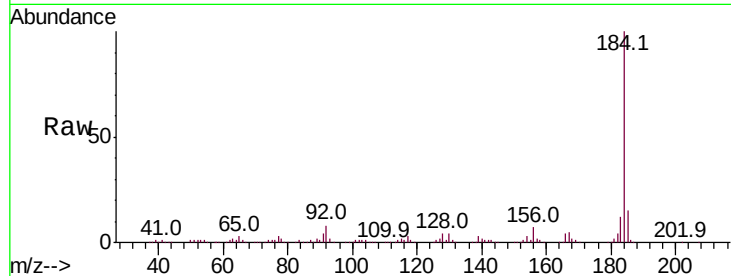
184 100

185 15.4 13.4 20.2

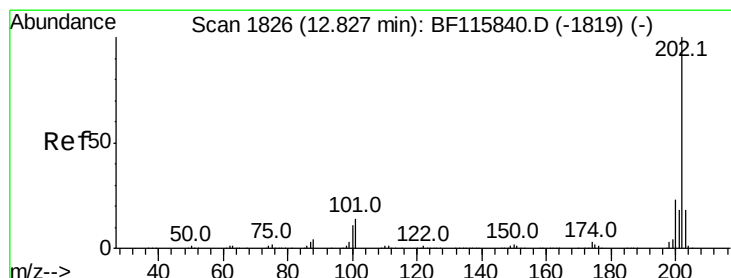
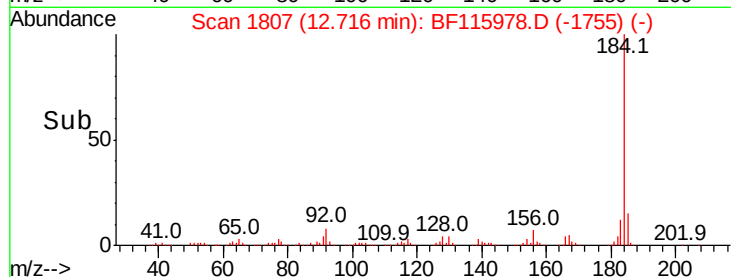
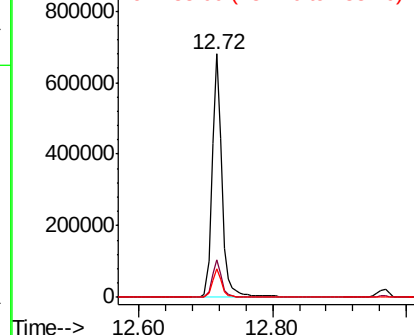
183 11.5 9.1 13.7

Manual Integrations
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8/8/2019 4:45:27 PM



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



#78

Pyrene

Concen: 46.096 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

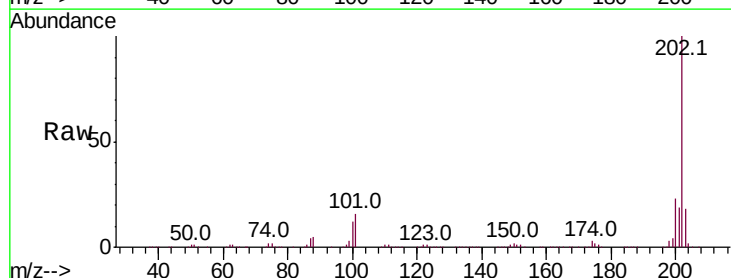
Tgt Ion:202 Resp: 1463296

Ion Ratio Lower Upper

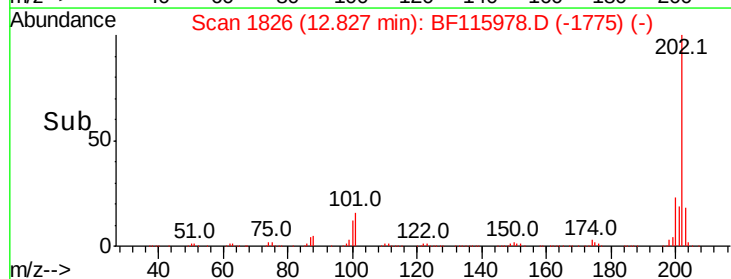
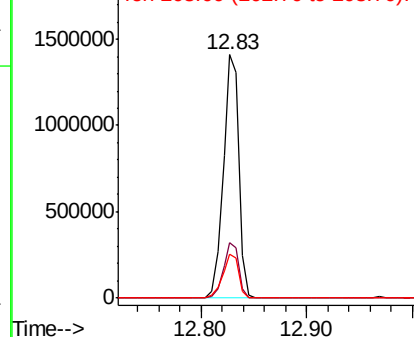
202 100

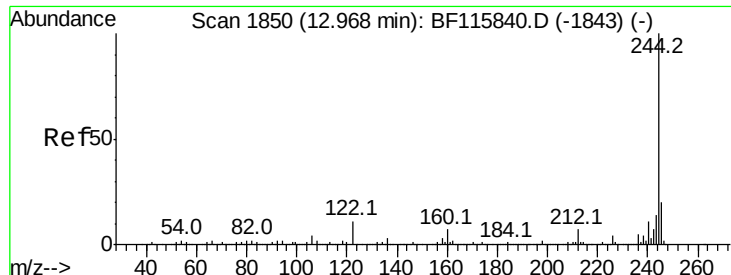
200 22.8 18.2 27.2

203 18.3 14.3 21.5



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





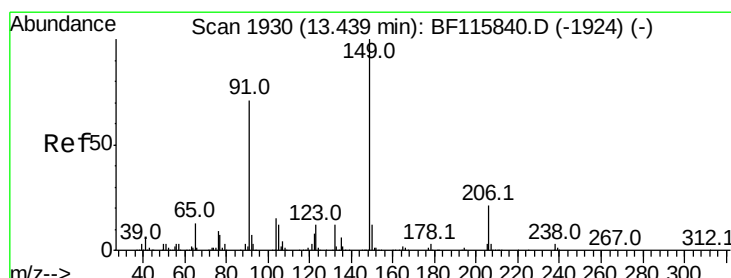
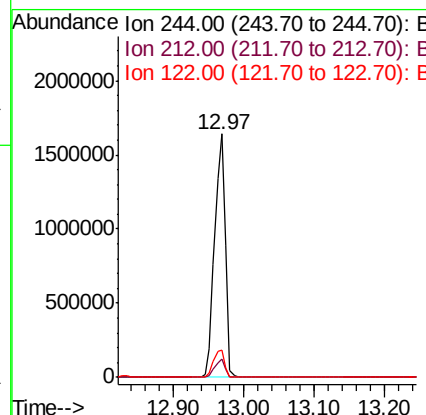
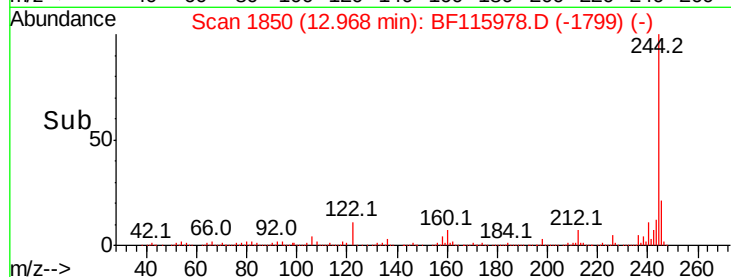
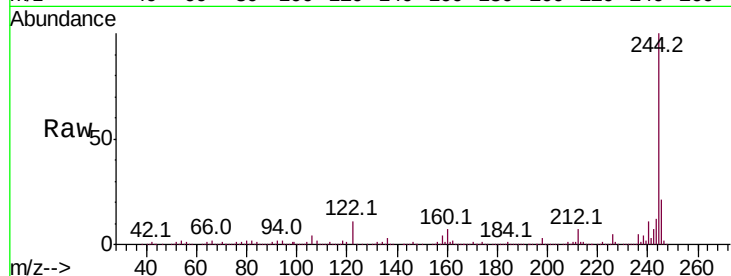
#79
 Terphenyl-d14
 Concen: 87.158 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	11.4	8.6	13.0

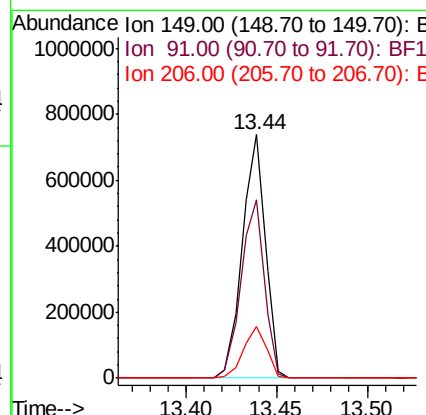
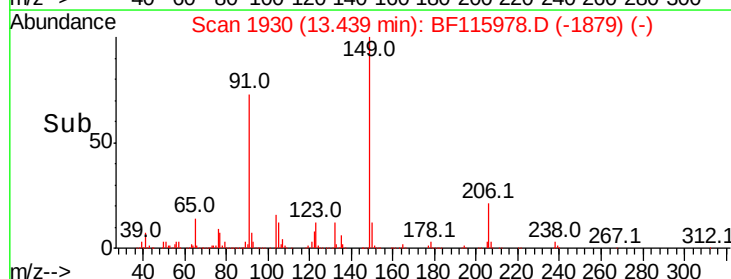
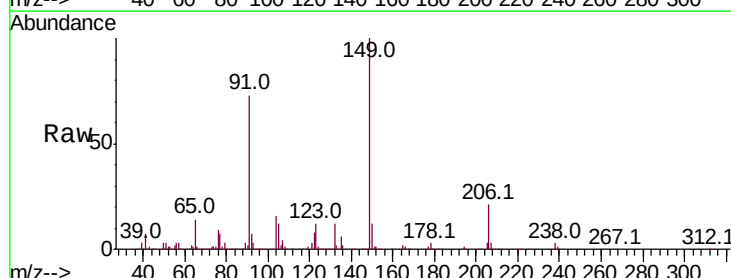
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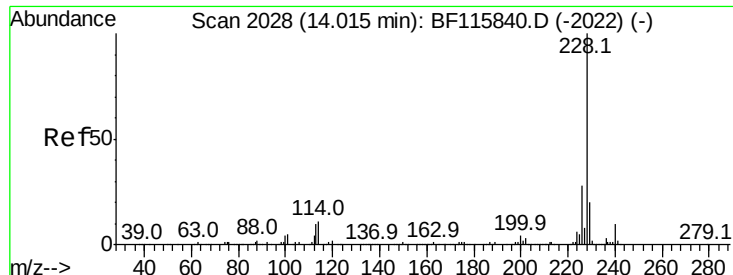
mohammad
 8/8/2019 4:45:27 PM



#80
 Butylbenzylphthalate
 Concen: 48.776 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.1	57.0	85.6
206	21.1	16.9	25.3





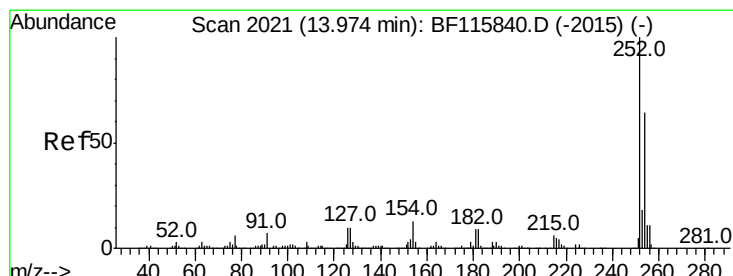
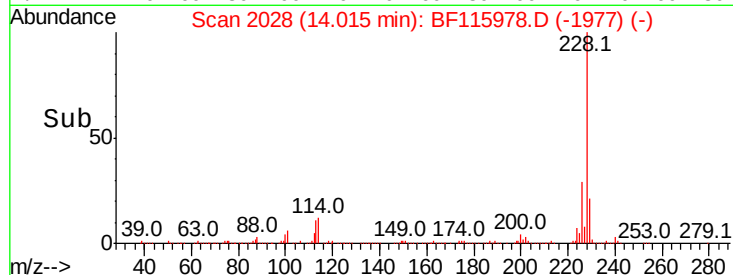
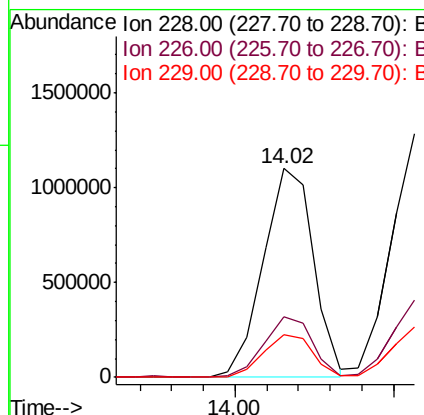
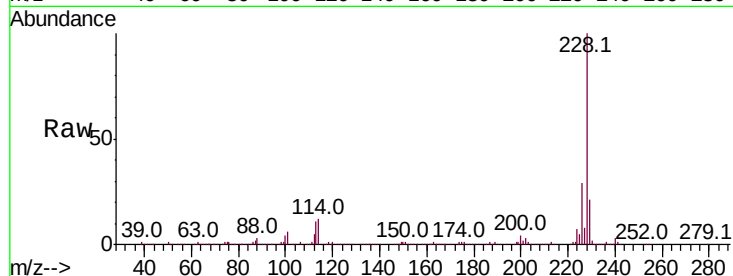
#81
Benzo(a)anthracene
Concen: 44.927 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.5	33.7
229	20.6	16.1	24.1

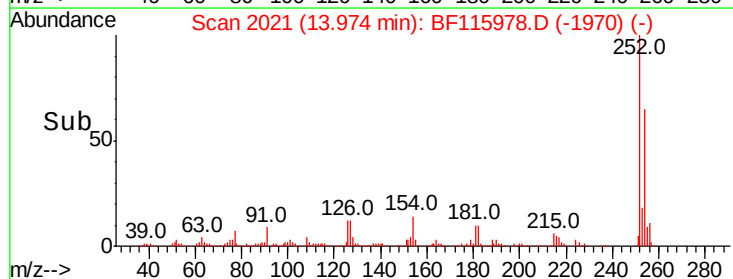
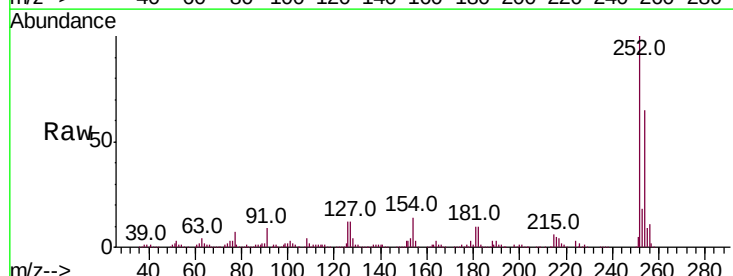
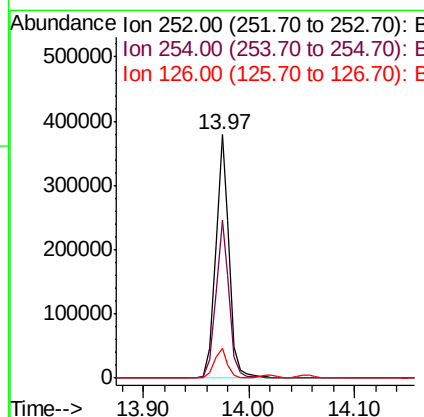
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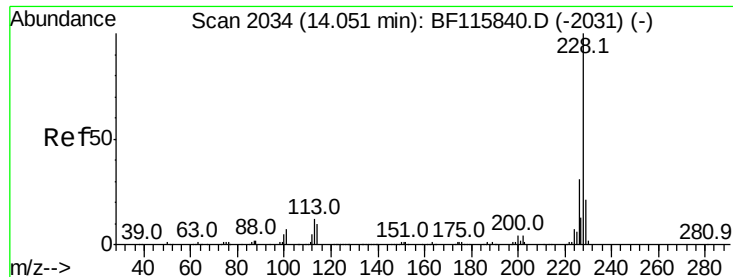
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 36.459 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.2	76.8
126	12.2	8.1	12.1





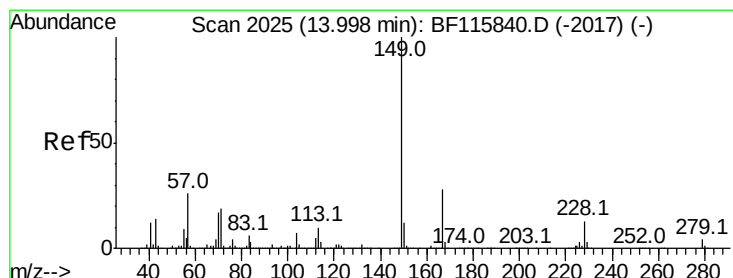
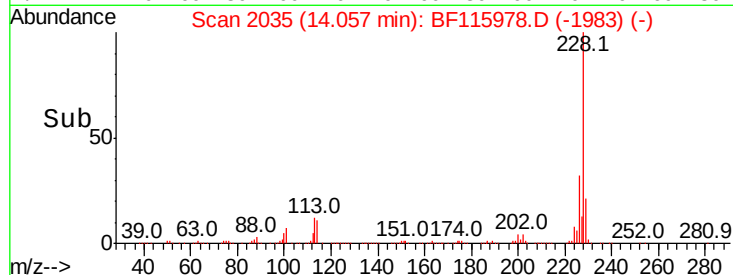
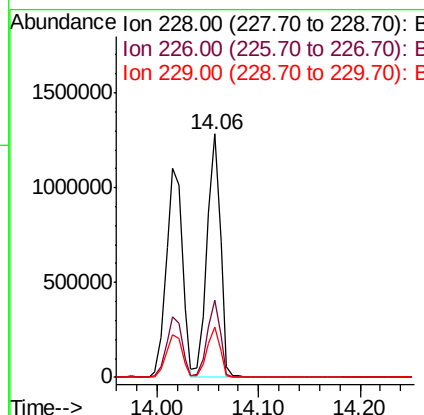
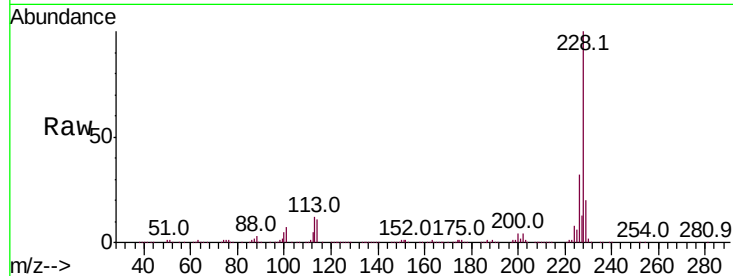
#83
 Chrysene
 Concen: 44.943 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.8	37.2
229	20.5	16.4	24.6

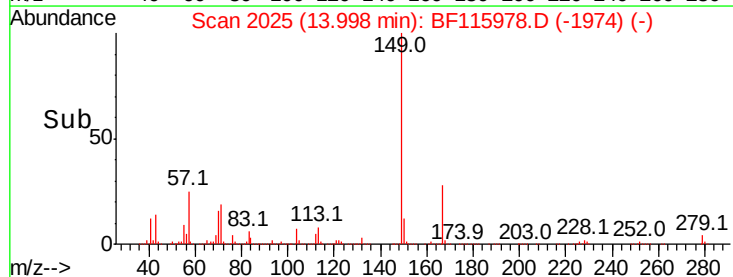
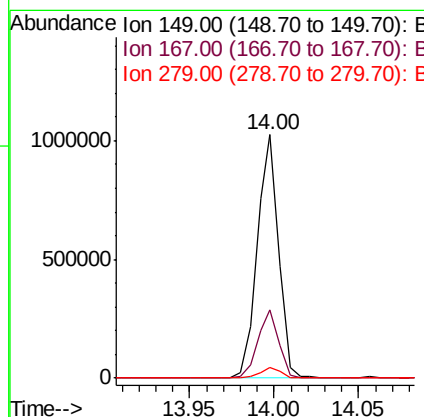
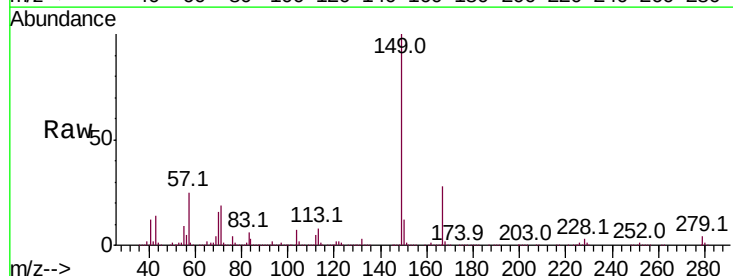
Manual Integrations
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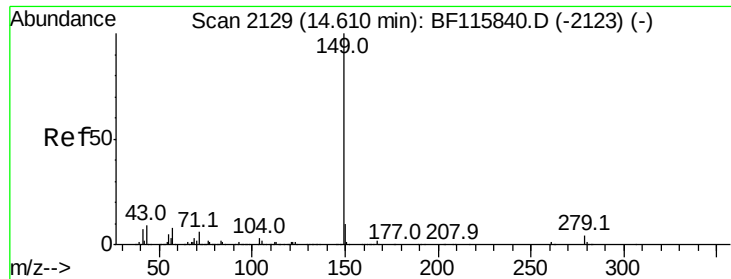
mohammad
 8/8/2019 4:45:27 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 51.748 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.4	33.6
279	4.4	3.3	4.9





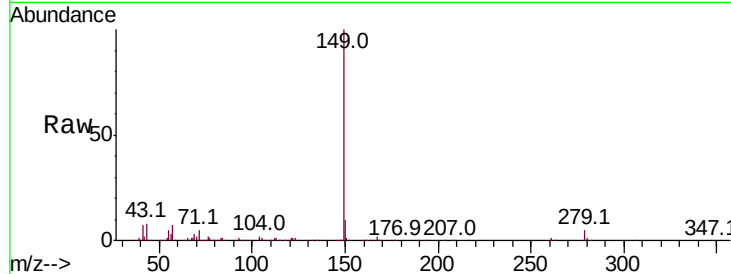
#85
Di-n-octyl phthalate
Concen: 52.377 ng
RT: 14.61 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.0	7.4	11.0

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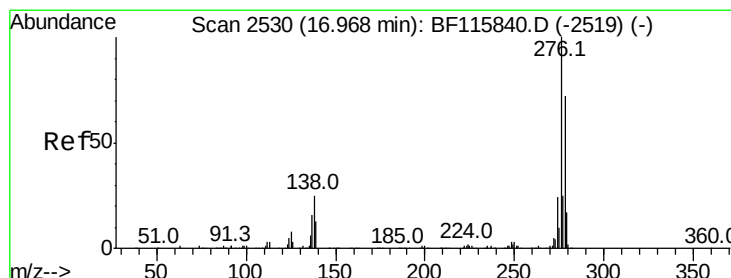
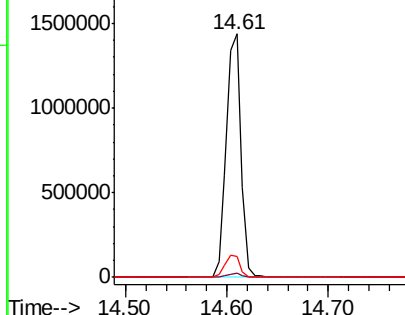
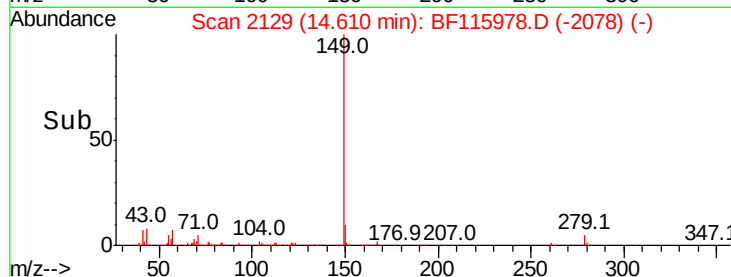


Abundance

Ion 149.00 (148.70 to 149.70): E

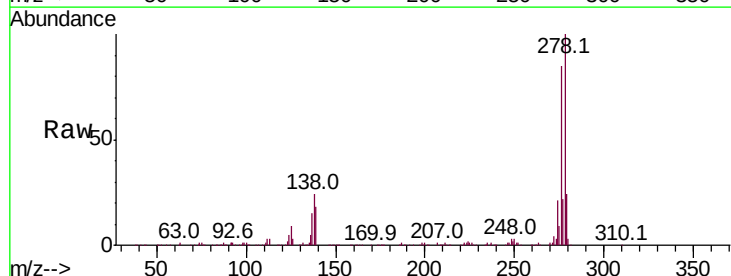
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86
Indeno(1,2,3-cd)pyrene
Concen: 43.835 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.2	19.6	29.4
277	25.3	20.1	30.1

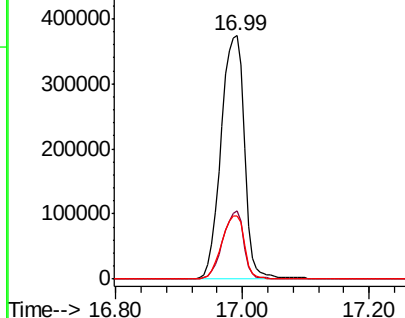
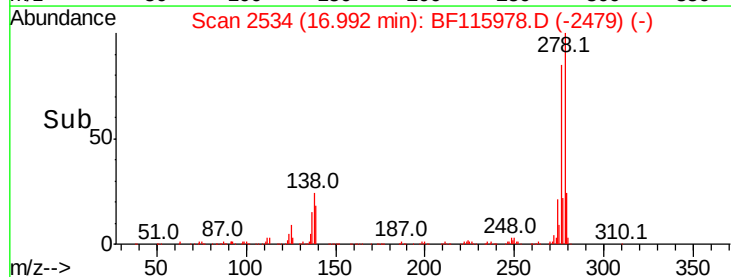


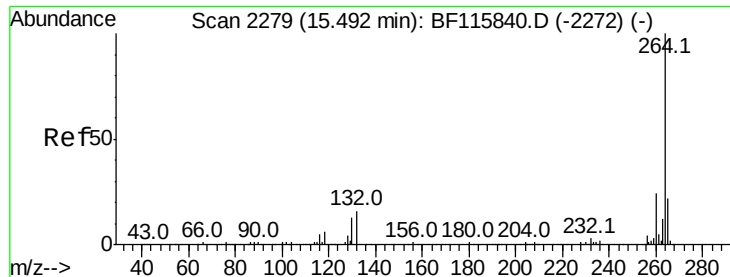
Abundance

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: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

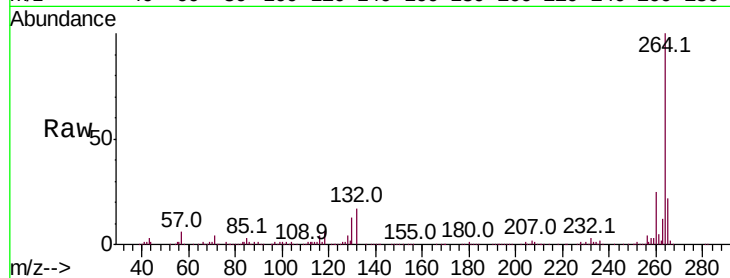
ClientSampleId :

IDOC BS-SOIL04-RC

Tot Ion:	264	Resp:	385382
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.4	29.2
265	22.0	17.5	26.3

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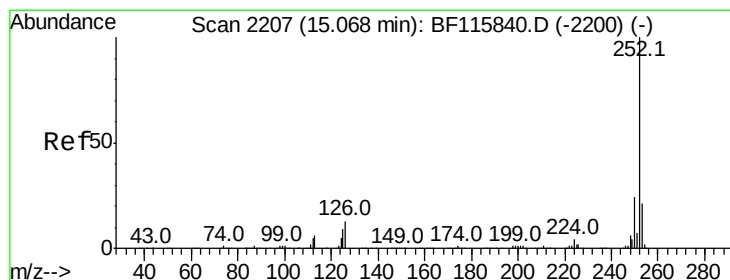
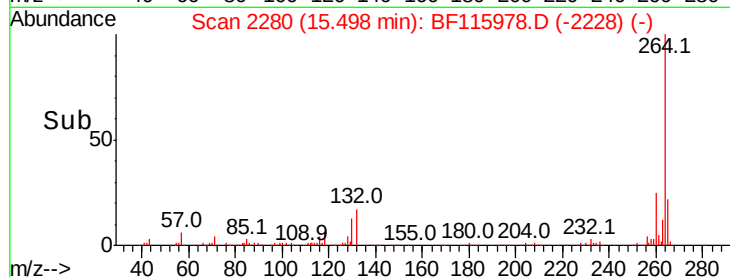
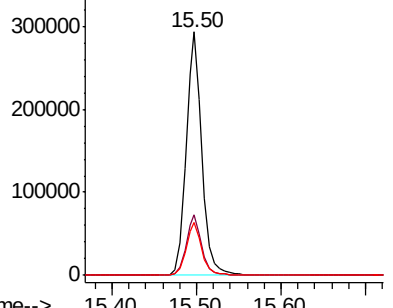
mohammad
8/8/2019 4:45:27 PM



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: 50.292 ng m

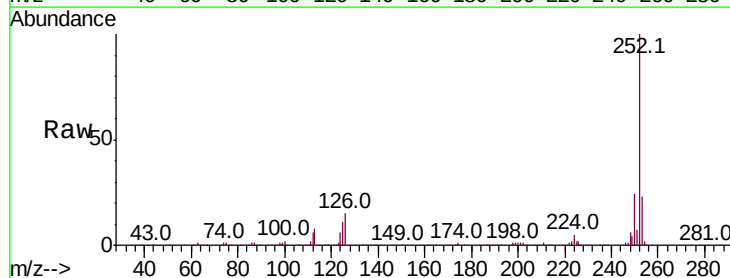
RT: 15.07 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

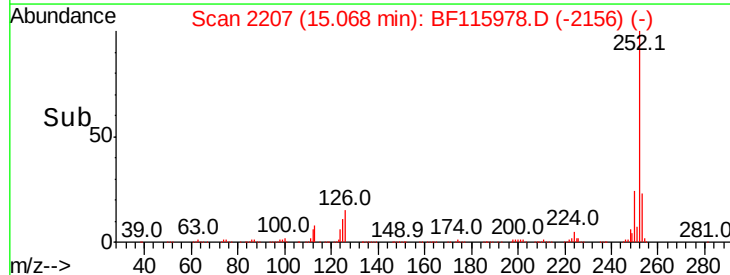
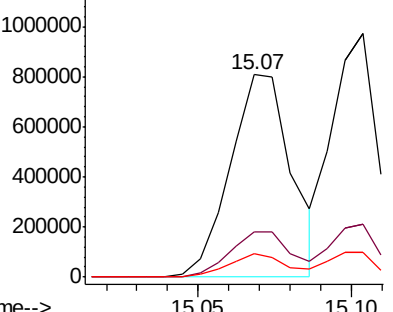
Tgt Ion:	252	Resp:	1120678
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	11.4	7.4	11.0#

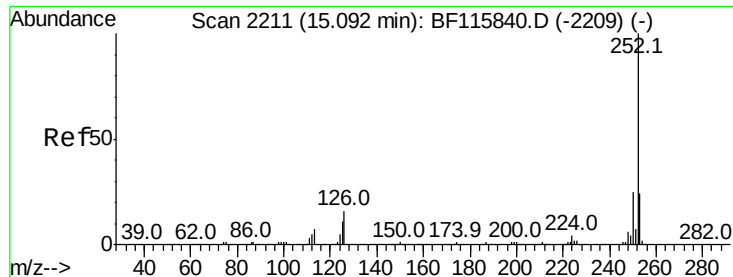


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





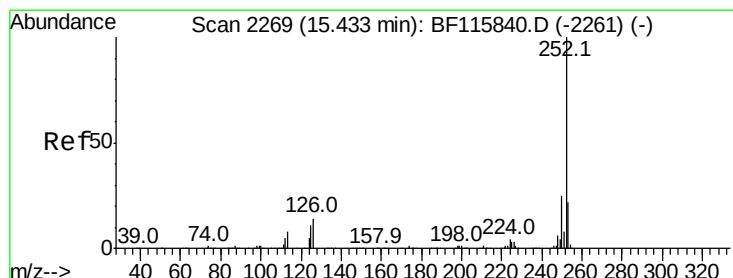
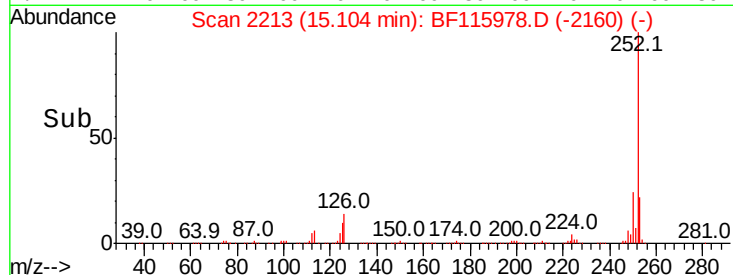
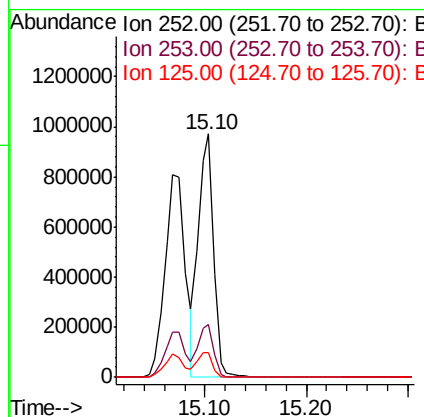
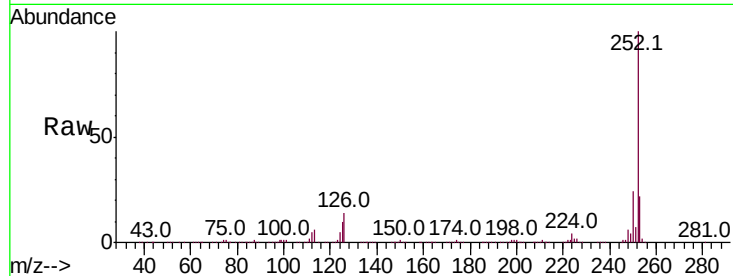
#89
Benzo(k)fluoranthene
Concen: 46.610 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	10.2	8.9	13.3

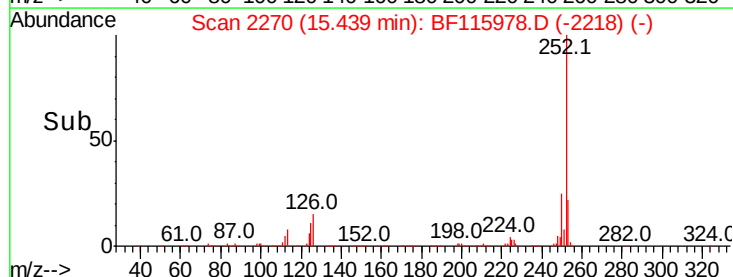
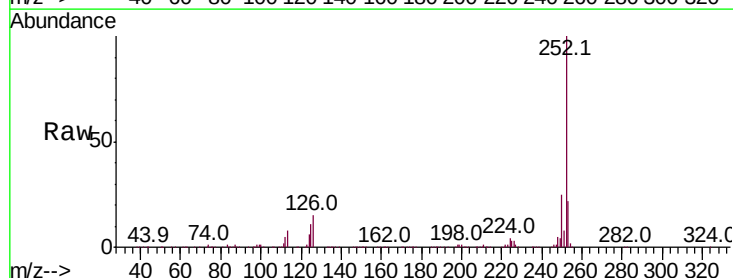
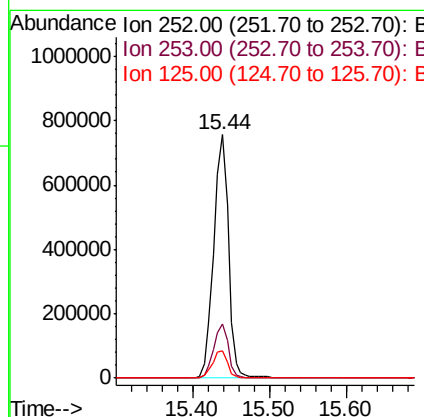
Manual Integrations
APPROVED

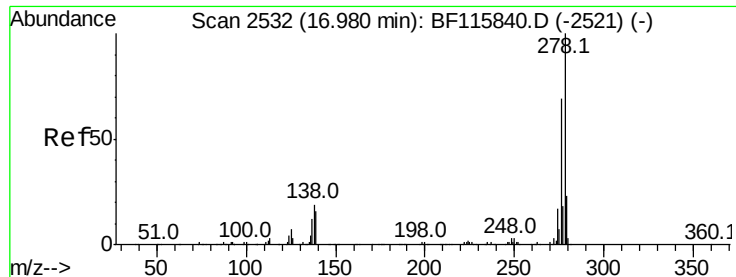
mohammad
8/8/2019 4:45:27 PM



#90
Benzo(a)pyrene
Concen: 50.097 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.2	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 46.856 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.02 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

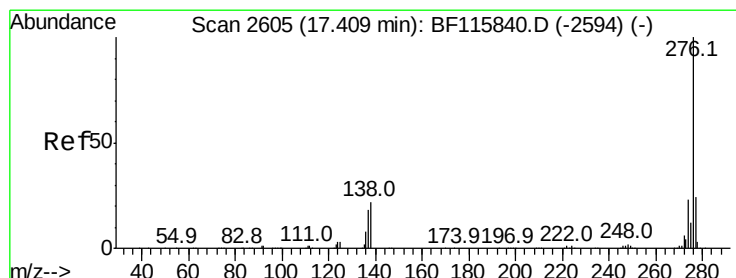
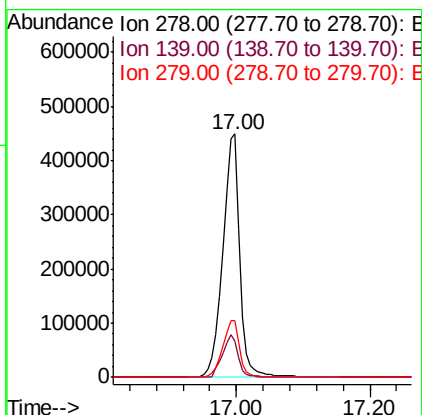
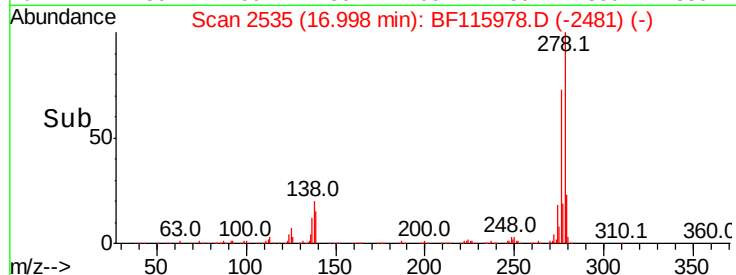
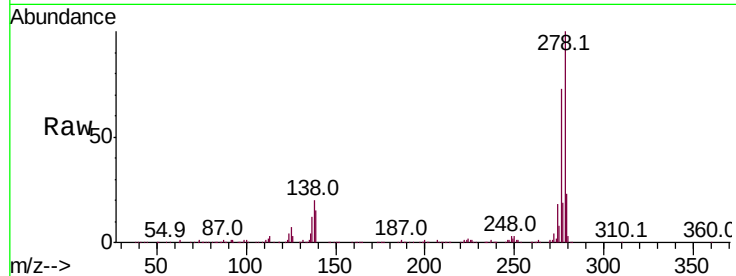
Instrument :
BNA_F

ClientSampleId :
IDOC BS-SOIL04-RC

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.6	19.0
279	23.4	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/8/2019 4:45:27 PM



#92

Benzo(g,h,i)perylene

Concen: 46.093 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.02 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.5	29.3
138	21.8	17.8	26.8

