

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103809.D
 Acq On : 20 Mar 2018 18:24
 Operator : JU/SJ
 Sample : J1975-05MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMSD

Manual Integrations
 APPROVED

Sohil
 3/22/2018 12:57:38 PM

Quant Time: Mar 21 01:35:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	147305	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	598915	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	270752	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	442352	20.00	ng	0.01
75) Chrysene-d12	14.16	240	284945	20.00	ng	0.01
86) Perylene-d12	15.70	264	263509	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1088157	112.36	ng	0.02
7) Phenol-d6	6.60	99	1256607	106.05	ng	0.01
23) Nitrobenzene-d5	7.54	82	759038	88.38	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	283351	121.72	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1274415	75.08	ng	0.00
78) Terphenyl-d14	13.10	244	1038729	84.61	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	145056	30.418	ng	# 90
3) Pyridine	3.66	79	321880	24.540	ng	87
4) n-Nitrosodimethylamine	3.61	42	162462	33.592	ng	80
6) Aniline	6.64	93	343853	20.324	ng	94
8) 2-Chlorophenol	6.76	128	366328	36.108	ng	91
9) Benzaldehyde	6.52	77	123076	15.811	ng	98
10) Phenol	6.61	94	455550	36.182	ng	98
11) bis(2-Chloroethyl)ether	6.71	93	349174	33.595	ng	93
12) 1,3-Dichlorobenzene	6.92	146	380642	32.942	ng	98
13) 1,4-Dichlorobenzene	6.99	146	381529	32.859	ng	99
14) 1,2-Dichlorobenzene	7.15	146	357628	33.192	ng	99
15) Benzyl Alcohol	7.11	79	311240	33.903	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.25	45	453862	30.701	ng	93
17) 2-Methylphenol	7.22	107	305725	33.839	ng	98
18) Hexachloroethane	7.49	117	125068	30.622	ng	100
19) n-Nitroso-di-n-propylamine	7.38	70	237684	31.301	ng	93
20) 3+4-Methylphenols	7.37	107	382285	33.342	ng	98
22) Acetophenone	7.38	105	486257	31.591	ng	# 94
24) Nitrobenzene	7.56	77	366719	36.371	ng	96
25) Isophorone	7.79	82	721032	36.267	ng	100
26) 2-Nitrophenol	7.87	139	195384	50.356	ng	97
27) 2,4-Dimethylphenol	7.90	122	345560	40.572	ng	98
28) bis(2-Chloroethoxy)methane	8.00	93	443073	36.803	ng	99
29) 2,4-Dichlorophenol	8.11	162	299768	38.685	ng	97
30) 1,2,4-Trichlorobenzene	8.20	180	304847	33.919	ng	98
31) Naphthalene	8.28	128	1021706	33.771	ng	100
32) Benzoic acid	7.95	122	27282	13.508	ng	94
33) 4-Chloroaniline	8.32	127	198063	15.605	ng	96
34) Hexachlorobutadiene	8.39	225	161754	32.826	ng	98
35) Caprolactam	8.69	113	92052m	34.499	ng	
36) 4-Chloro-3-methylphenol	8.80	107	317915	37.216	ng	99
37) 2-Methylnaphthalene	8.97	142	668354	34.836	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.13	216	280871	36.362	ng	99
40) Hexachlorocyclopentadiene	9.12	237	69402	17.413	ng	98

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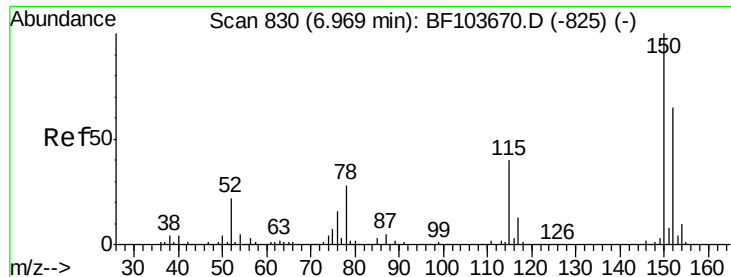
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Quant Time: Mar 21 01:35:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	198680	40.213	ng	99
43) 2,4,5-Trichlorophenol	9.29	196	214051	38.385	ng	97
45) 1,1'-Biphenyl	9.43	154	773062	34.241	ng	99
46) 2-Chloronaphthalene	9.46	162	616591	34.385	ng	98
47) 2-Nitroaniline	9.56	65	190770	41.709	ng	92
48) Acenaphthylene	9.88	152	935983	33.660	ng	100
49) Dimethylphthalate	9.73	163	833053	40.328	ng	99
50) 2,6-Dinitrotoluene	9.80	165	161466	41.037	ng	89
51) Acenaphthene	10.05	154	546382	33.092	ng	99
52) 3-Nitroaniline	9.97	138	145326	31.748	ng	93
53) 2,4-Dinitrophenol	10.07	184	18357	30.216	ng	# 23
54) Dibenzofuran	10.22	168	823700	34.931	ng	98
55) 4-Nitrophenol	10.12	139	276870	73.631	ng	93
56) 2,4-Dinitrotoluene	10.20	165	209791	42.289	ng	# 88
57) Fluorene	10.57	166	628479	34.347	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.34	232	156849	39.695	ng	94
59) Diethylphthalate	10.43	149	698235	34.056	ng	97
60) 4-Chlorophenyl-phenylether	10.56	204	298878	35.740	ng	93
61) 4-Nitroaniline	10.59	138	163158	36.382	ng	92
62) Azobenzene	10.72	77	645546	30.970	ng	94
64) 4,6-Dinitro-2-methylphenol	10.61	198	23229	22.281	ng	86
65) n-Nitrosodiphenylamine	10.67	169	576657	38.299	ng	100
66) 4-Bromophenyl-phenylether	11.05	248	178303	39.258	ng	95
67) Hexachlorobenzene	11.12	284	187931	36.254	ng	94
68) Atrazine	11.20	200	180630	38.781	ng	99
69) Pentachlorophenol	11.31	266	155537	52.190	ng	97
70) Phenanthrene	11.53	178	840796	34.747	ng	99
71) Anthracene	11.59	178	865351	35.210	ng	99
72) Carbazole	11.74	167	804011	33.658	ng	100
73) Di-n-butylphthalate	12.06	149	1042180	36.361	ng	99
74) Fluoranthene	12.73	202	794181	31.858	ng	100
76) Benzidine	12.84	184	339155	27.907	ng	98
77) Pyrene	12.96	202	768062	36.703	ng	99
79) Butylbenzylphthalate	13.56	149	379991	40.985	ng	99
80) Benzo(a)anthracene	14.15	228	609502	33.792	ng	99
81) 3,3'-Dichlorobenzidine	14.11	252	221348	36.688	ng	98
82) Chrysene	14.19	228	575170	33.452	ng	99
83) Bis(2-ethylhexyl)phthalate	14.12	149	525664	39.688	ng	100
84) Di-n-octyl phthalate	14.75	149	814546	42.272	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.29	276	508636	33.875	ng	97
87) Benzo(b)fluoranthene	15.24	252	580269	34.855	ng	97
88) Benzo(k)fluoranthene	15.28	252	512620	32.033	ng	99
89) Benzo(a)pyrene	15.64	252	522028	34.572	ng	98
90) Dibenzo(a,h)anthracene	17.30	278	437723	33.478	ng	97
91) Benzo(g,h,i)perylene	17.77	276	393451	30.932	ng	97

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



#1

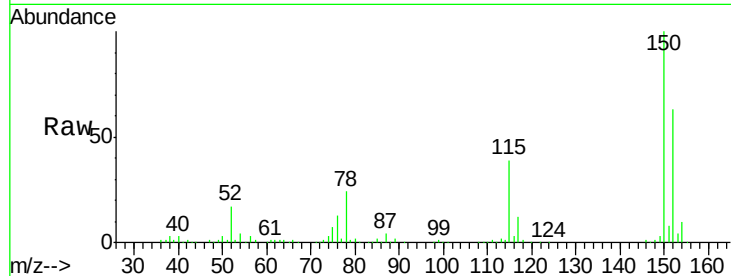
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

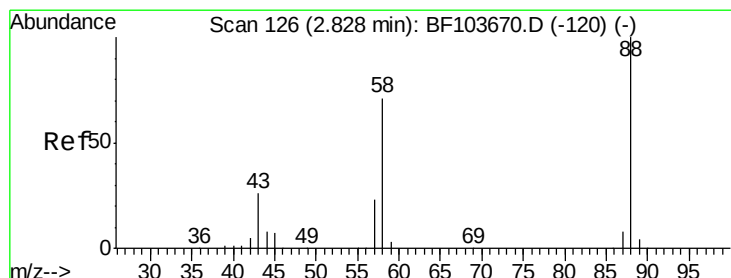
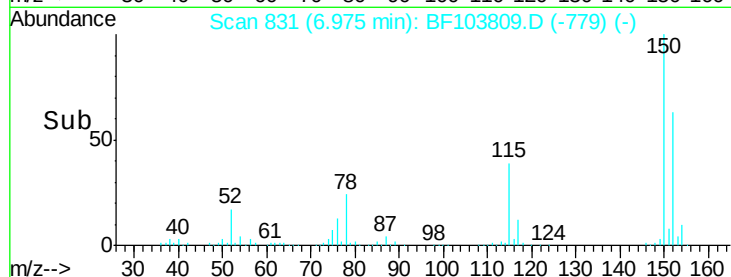
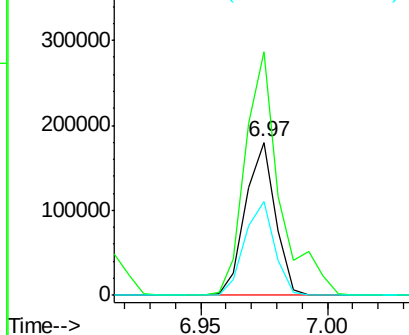
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	61.7	50.1	75.1

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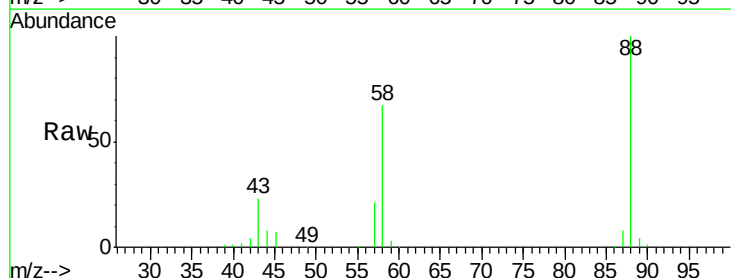
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



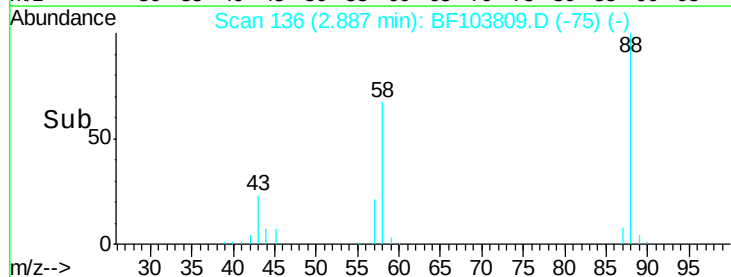
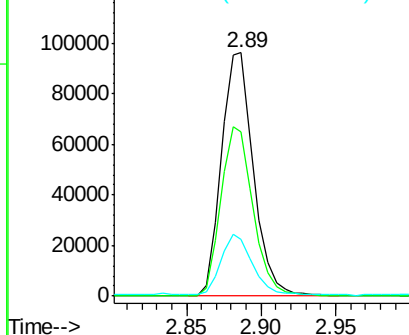
#2

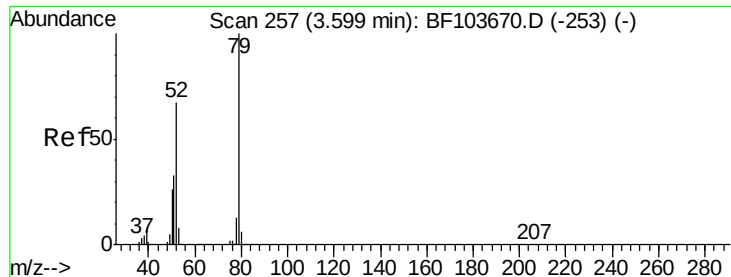
1,4-Dioxane
Concen: 30.418 ng
RT: 2.89 min Scan# 136
Delta R.T. 0.06 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.7	62.6	93.8
43	24.6	24.6	37.0



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: 24.540 ng

RT: 3.66 min Scan# 267

Delta R.T. 0.06 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

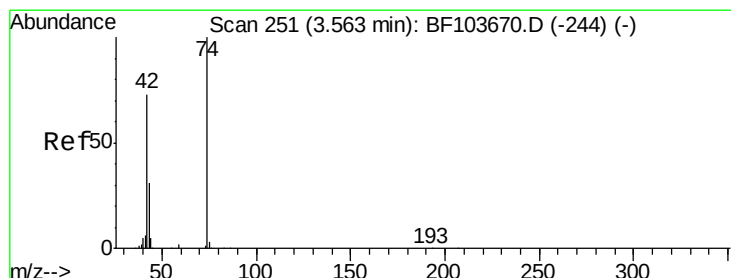
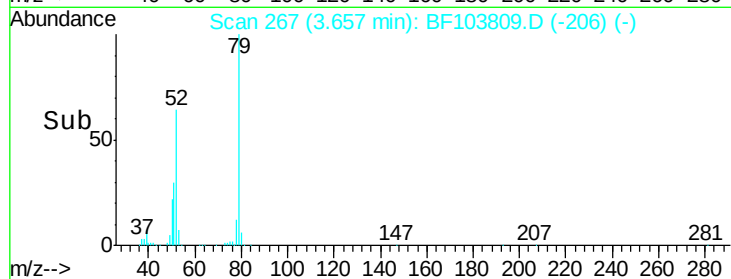
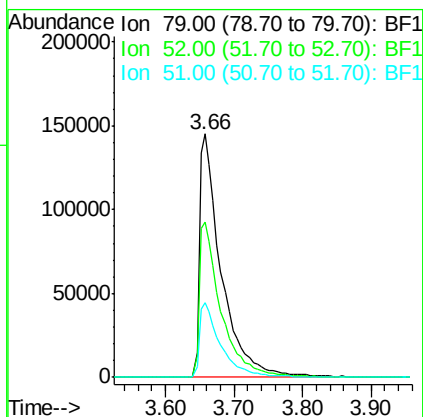
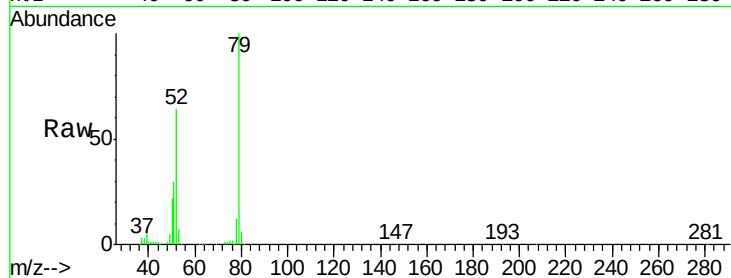
ClientSampleId :

FS-SOILMSD

Tot Ion:	79	Resp:	321880
Ion Ratio	Lower	Upper	
79	100		
52	63.6	59.8	89.6
51	30.4	29.8	44.8

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#4

n-Nitrosodimethylamine

Concen: 33.592 ng

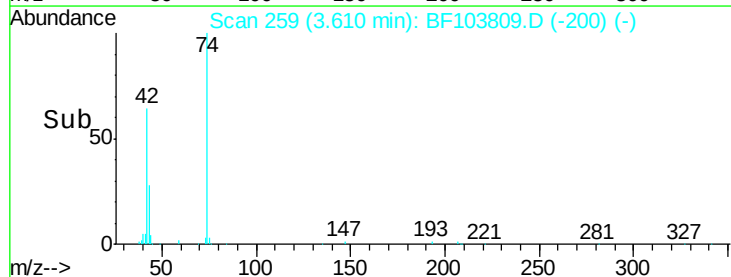
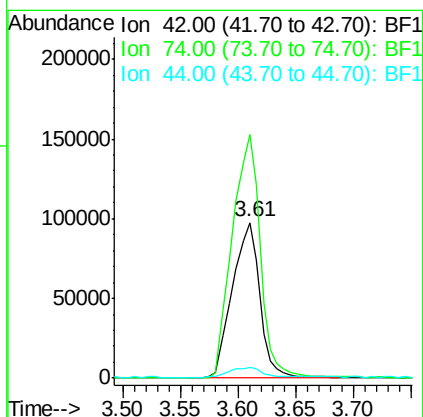
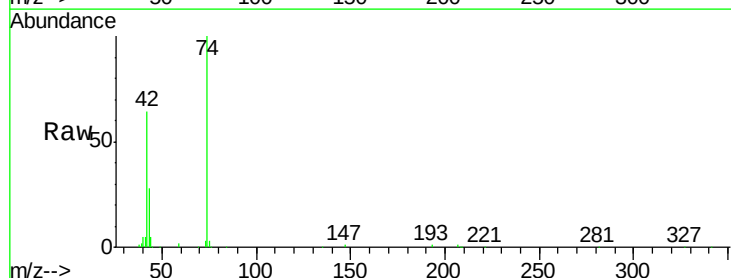
RT: 3.61 min Scan# 259

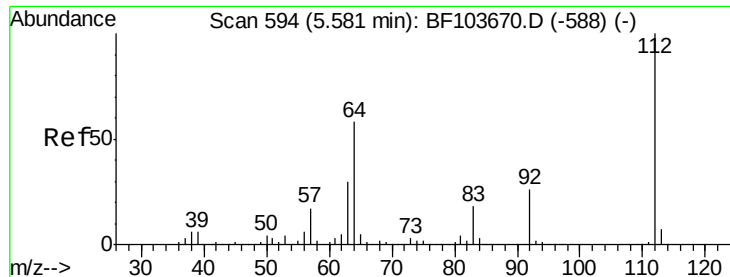
Delta R.T. 0.05 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	42	Resp:	162462
Ion Ratio	Lower	Upper	
42	100		
74	156.2	104.9	157.3
44	7.2	6.9	10.3





#5

2-Fluorophenol

Concen: 112.357 ng

RT: 5.60 min Scan# 598

Delta R.T. 0.02 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

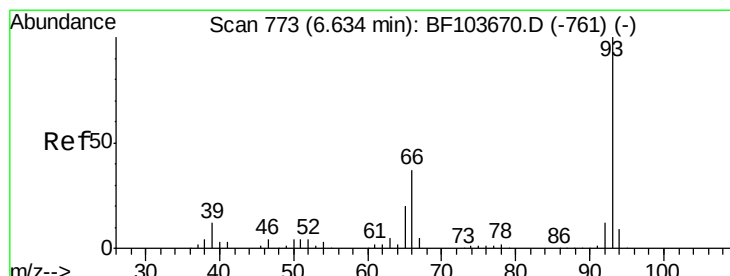
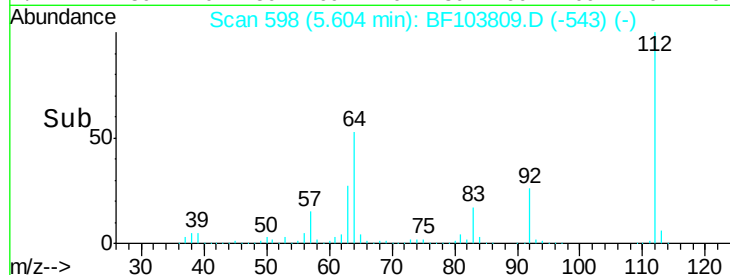
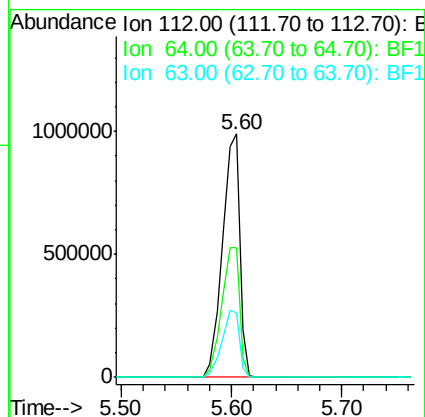
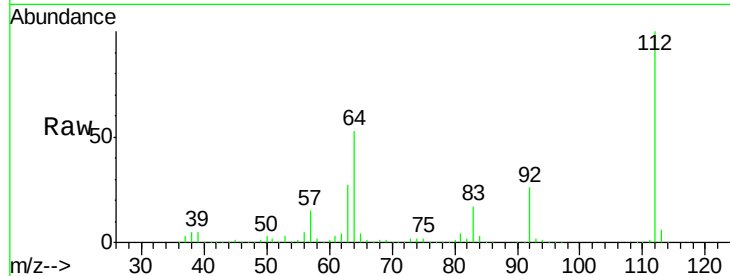
ClientSampleId :

FS-SOILMSD

Tot Ion:	112	Resp:	1088157
Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	26.6	23.7	35.5

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#6

Aniline

Concen: 20.324 ng

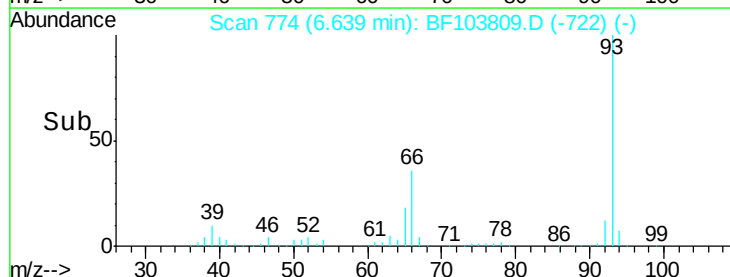
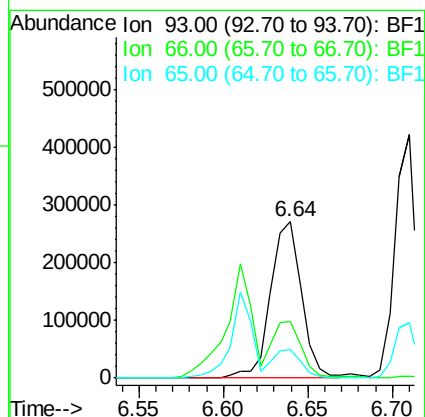
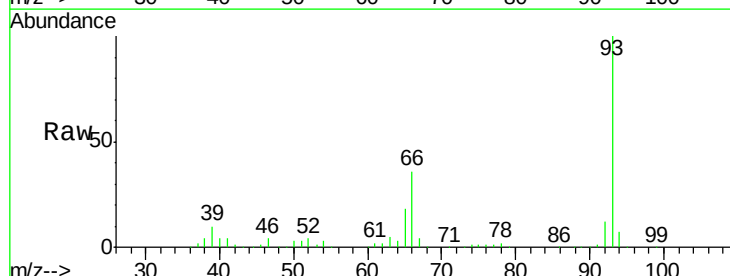
RT: 6.64 min Scan# 774

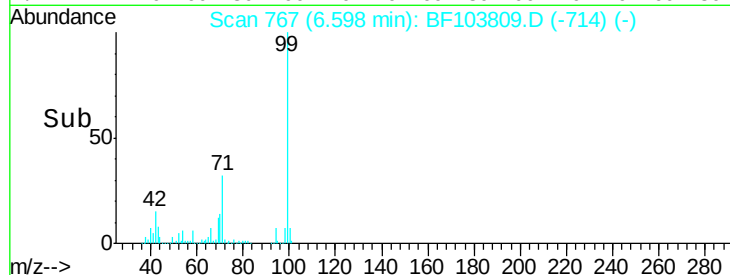
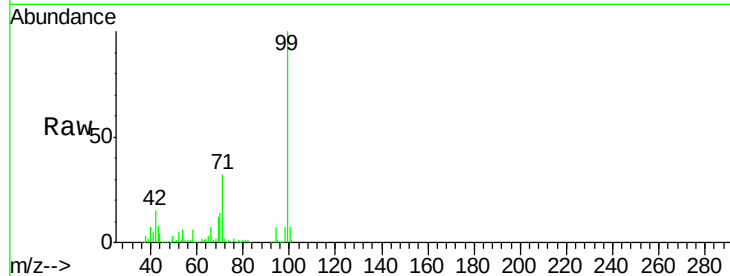
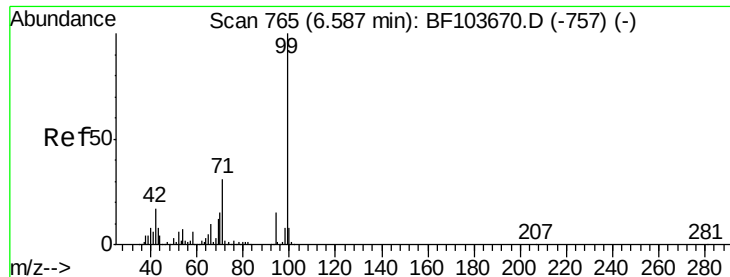
Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	93	Resp:	343853
Ion	Ratio	Lower	Upper
93	100		
66	36.2	32.2	48.2
65	18.4	16.4	24.6





#7

Phenol-d6

Concen: 106.055 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tot Ion:	99	Resp:	1256607
Ion	Ratio	Lower	Upper
99	100		
42	15.1	14.5	21.7
71	32.0	25.4	38.0

Instrument :

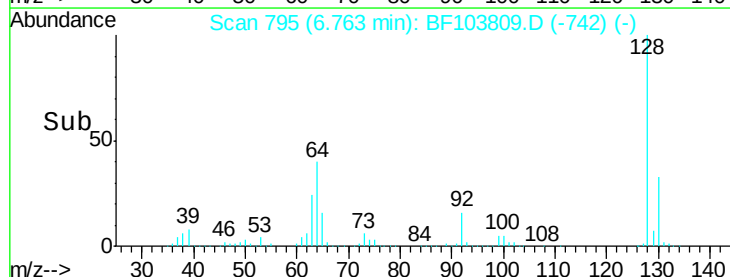
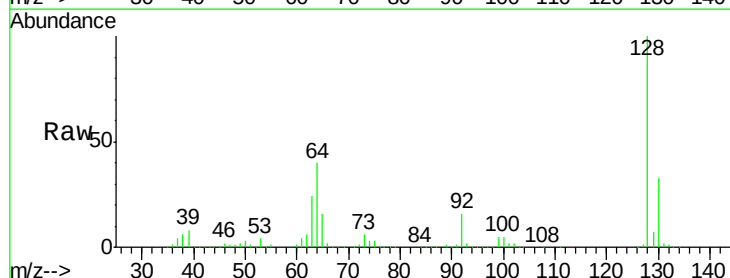
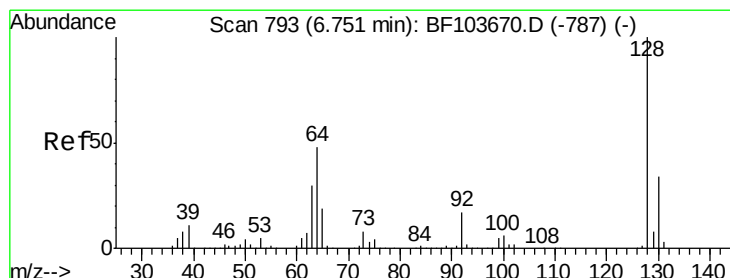
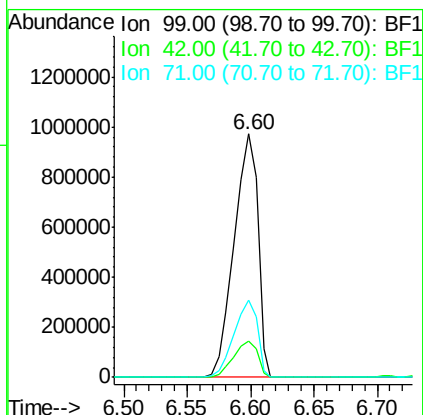
BNA_F

ClientSampleId :

FS-SOILMSD

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#8

2-Chlorophenol

Concen: 36.108 ng

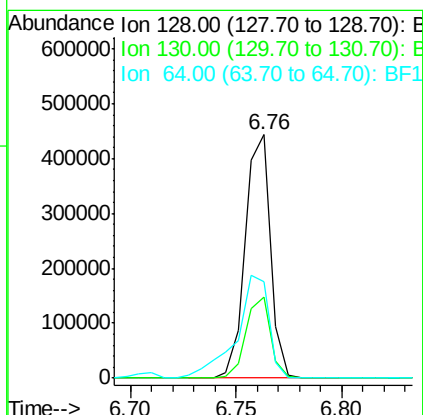
RT: 6.76 min Scan# 795

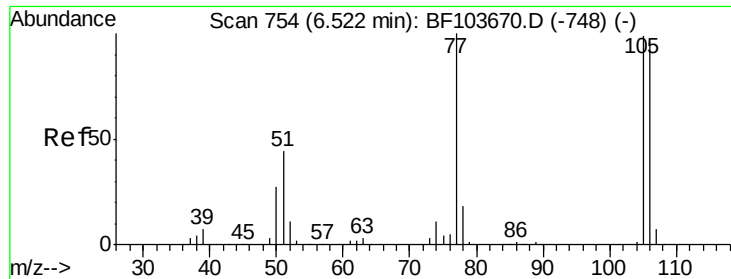
Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	128	Resp:	366328
Ion	Ratio	Lower	Upper
128	100		
130	33.2	13.0	53.0
64	39.6	29.4	69.4





#9

Benzaldehyde

Concen: 15.811 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

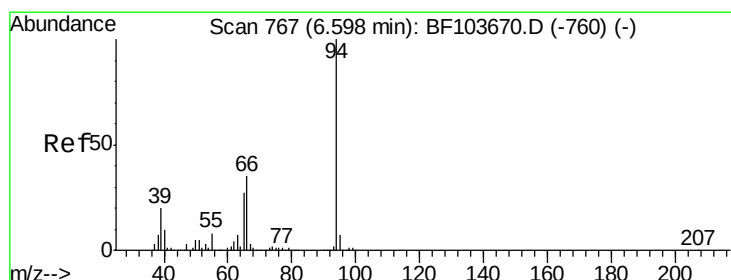
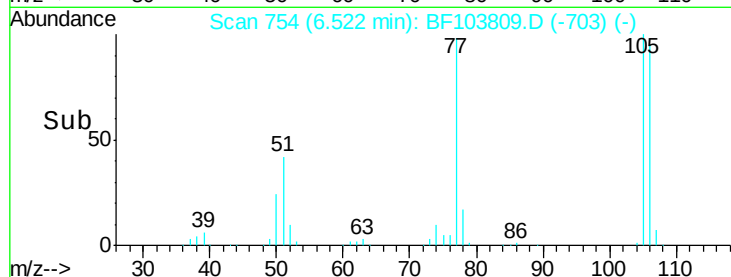
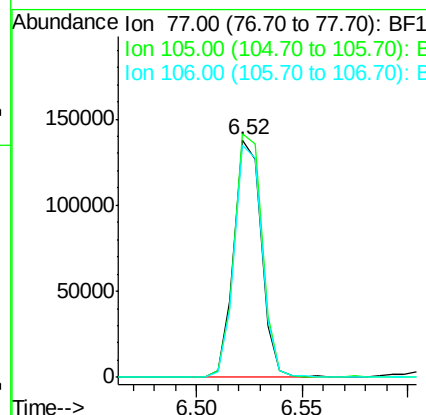
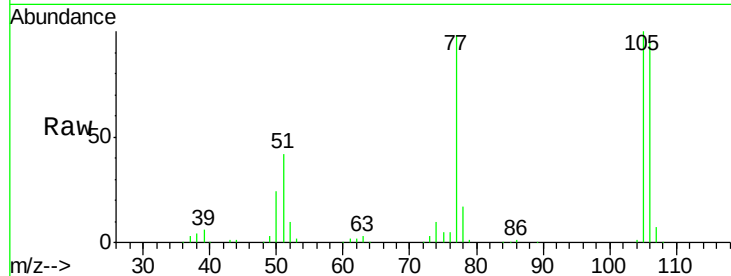
ClientSampled :

FS-SOILMSD

Tot Ion:	77	Resp:	123076
Ion	Ratio	Lower	Upper
77	100		
105	102.5	81.1	121.1
106	97.7	74.5	114.5

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#10

Phenol

Concen: 36.182 ng

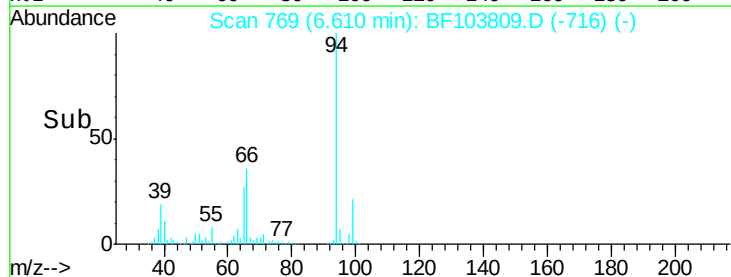
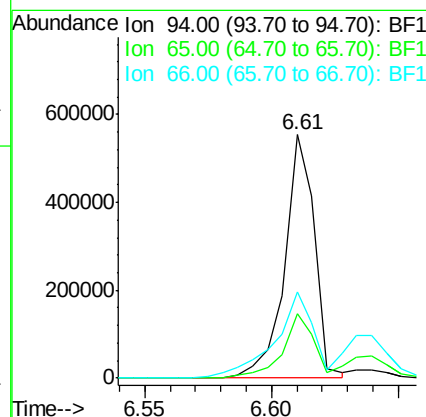
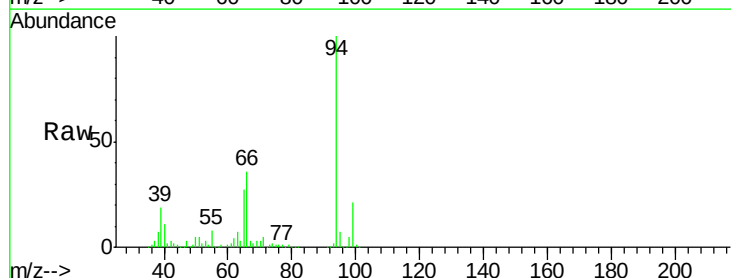
RT: 6.61 min Scan# 769

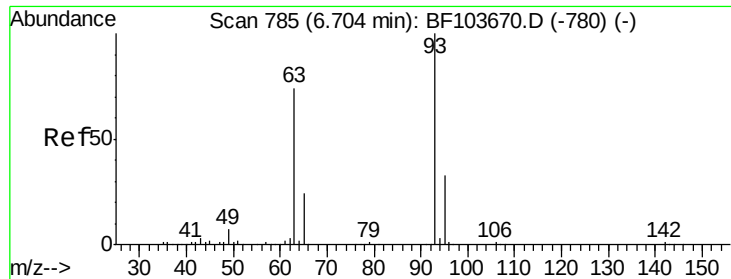
Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	94	Resp:	455550
Ion	Ratio	Lower	Upper
94	100		
65	26.7	7.9	47.9
66	35.6	16.2	56.2





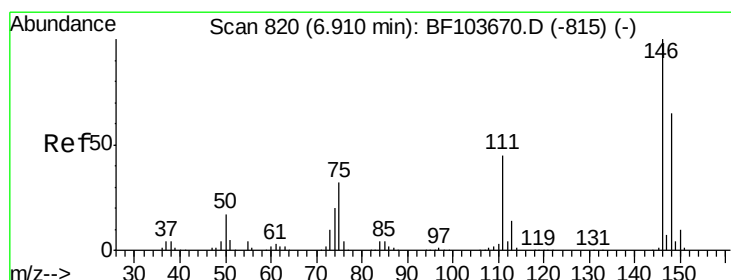
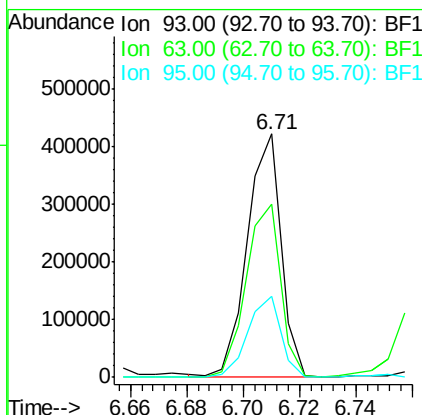
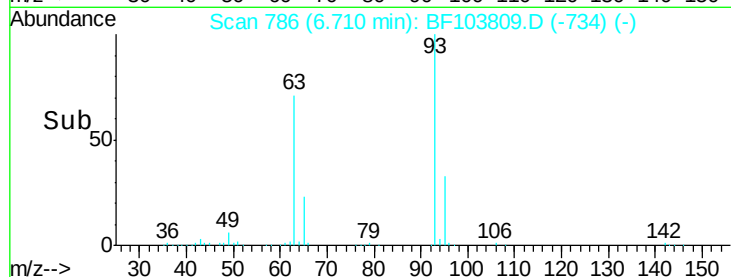
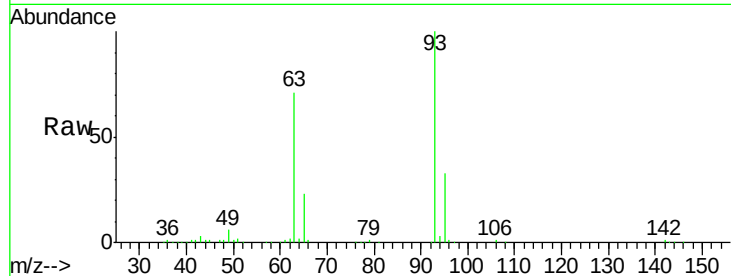
#11
bis(2-Chloroethyl)ether
Concen: 33.595 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	71.3	58.6	98.6
95	33.1	11.8	51.8

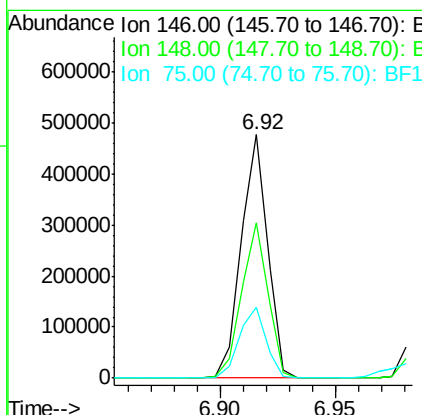
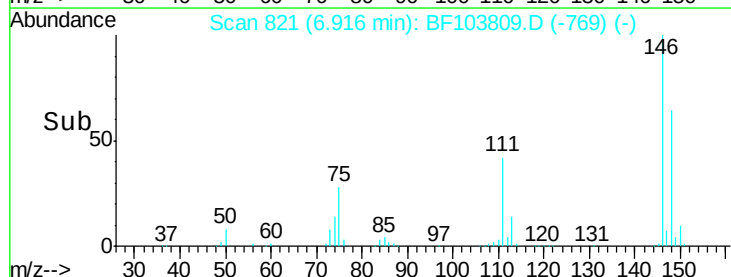
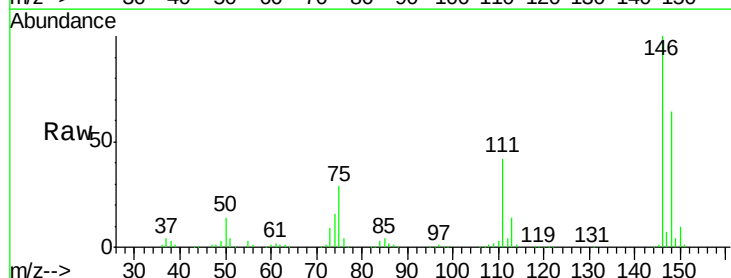
Manual Integrations
APPROVED

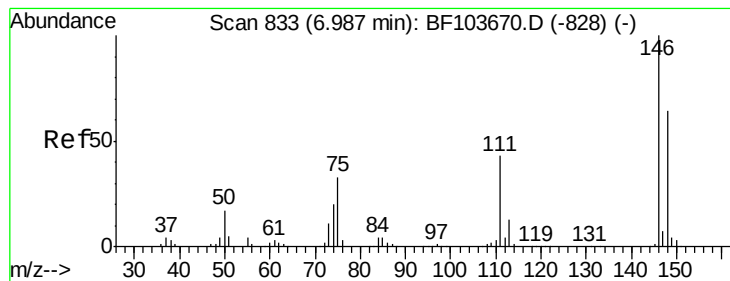
Sohil
3/22/2018 12:57:38 PM



#12
1,3-Dichlorobenzene
Concen: 32.942 ng
RT: 6.92 min Scan# 821
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.8
75	28.8	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 32.859 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

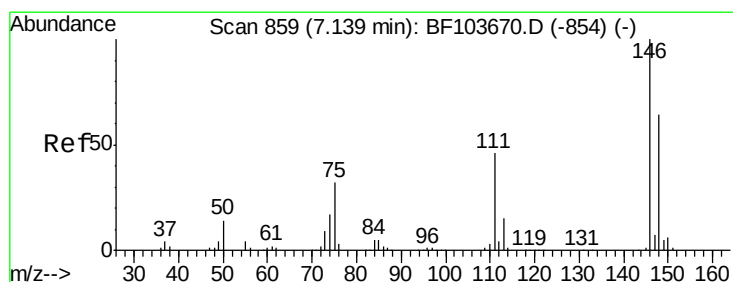
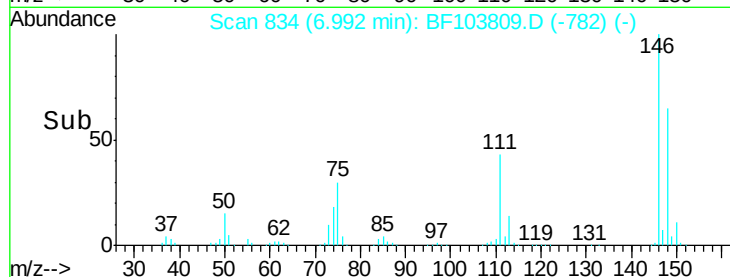
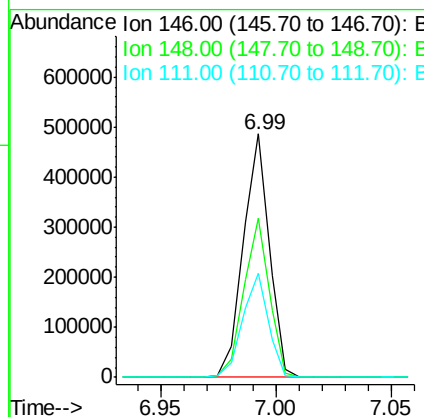
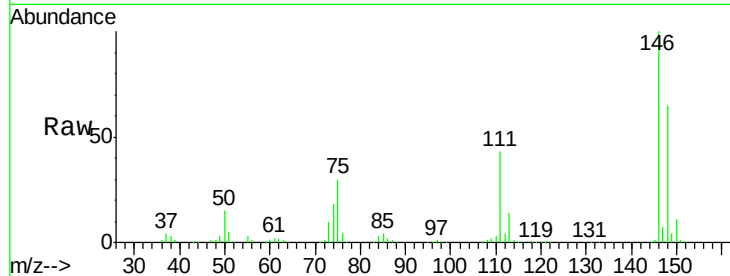
ClientSampleId :

FS-SOILMSD

Tot Ion:	146	Resp:	381529
Ion Ratio	Lower	Upper	
146	100		
148	65.2	50.8	76.2
111	42.8	34.2	51.2

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#14

1,2-Dichlorobenzene

Concen: 33.192 ng

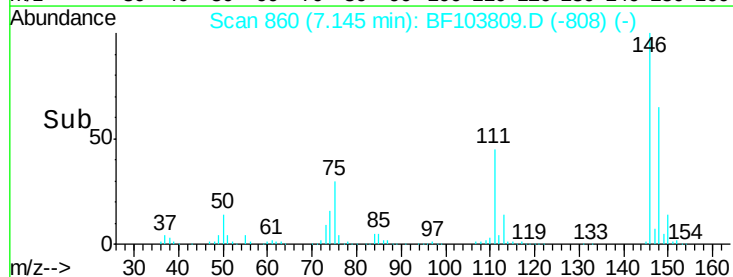
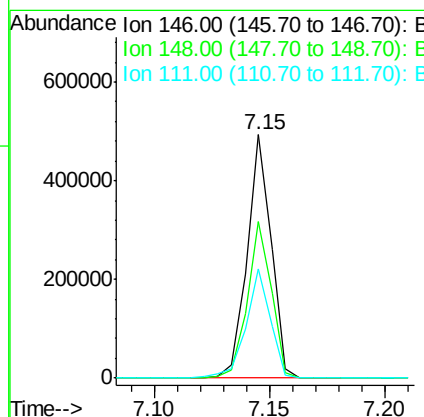
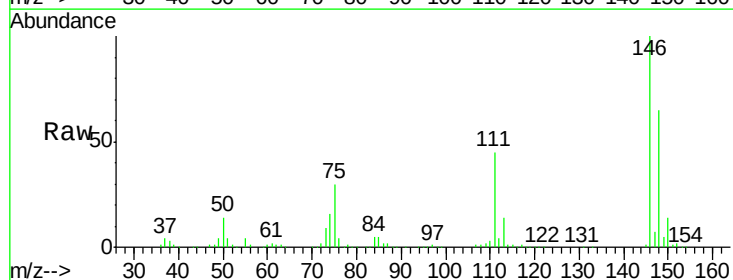
RT: 7.15 min Scan# 860

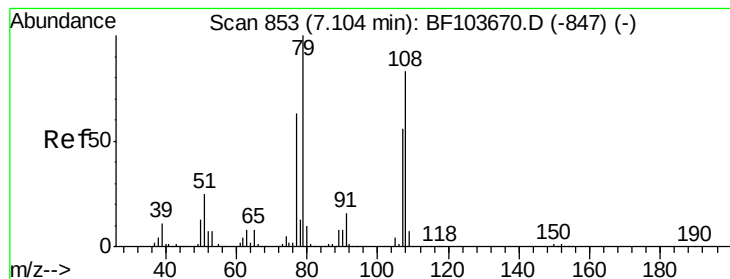
Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	146	Resp:	357628
Ion Ratio	Lower	Upper	
146	100		
148	64.5	50.6	75.8
111	44.6	36.0	54.0





#15

Benzyl Alcohol

Concen: 33.903 ng

RT: 7.11 min Scan# 854

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

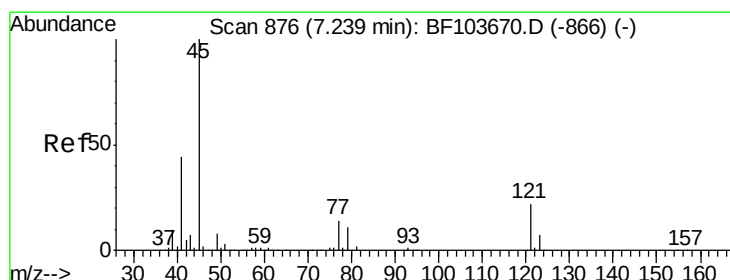
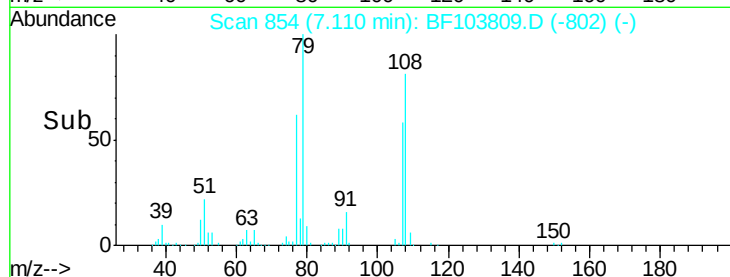
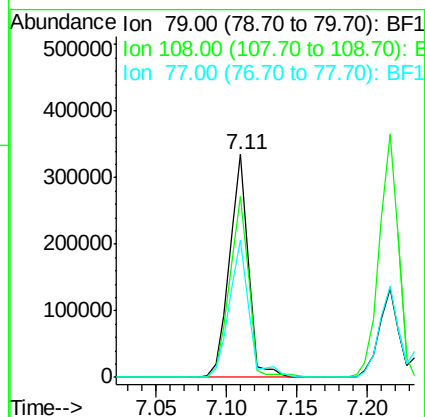
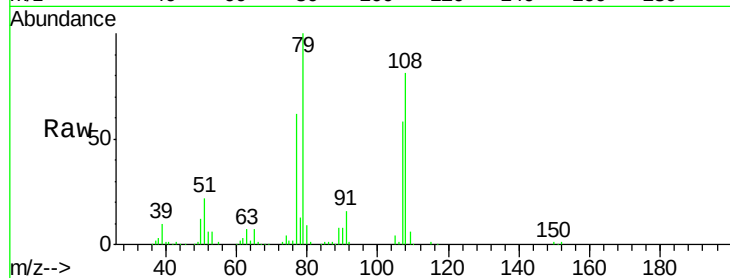
ClientSampled :

FS-SOILMSD

Tot Ion:	79	Resp:	311240
Ion	Ratio	Lower	Upper
79	100		
108	81.3	65.1	97.7
77	61.7	50.6	75.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 30.701 ng

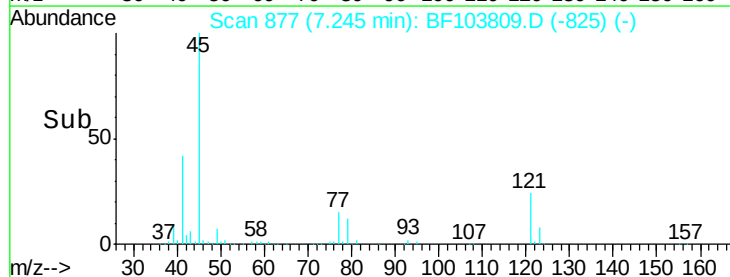
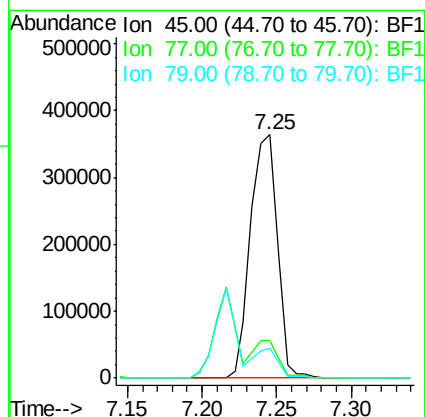
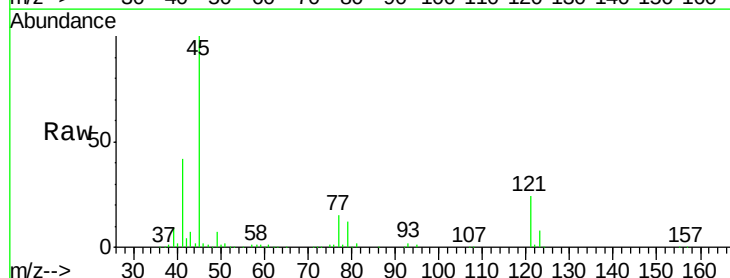
RT: 7.25 min Scan# 877

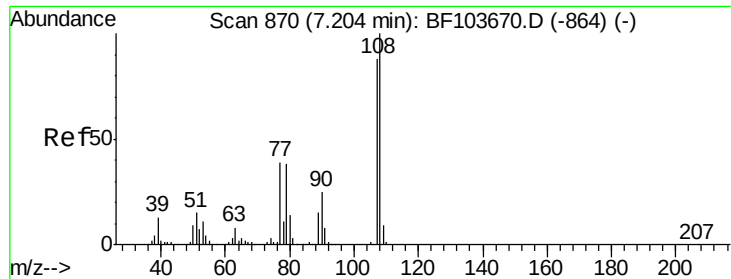
Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	45	Resp:	453862
Ion	Ratio	Lower	Upper
45	100		
77	15.5	0.0	32.9
79	12.2	0.0	29.6





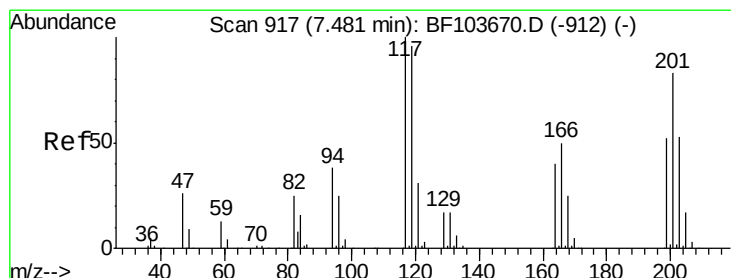
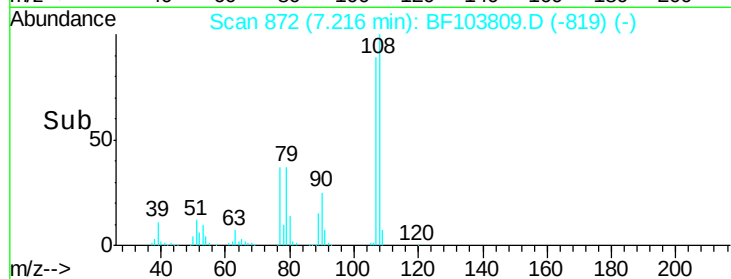
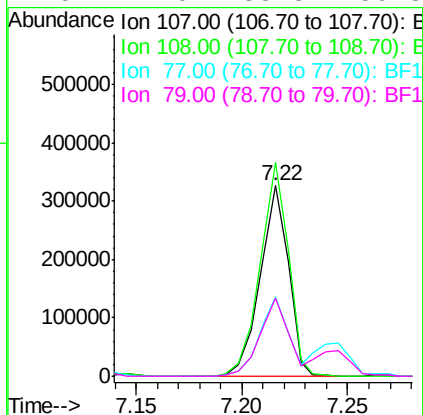
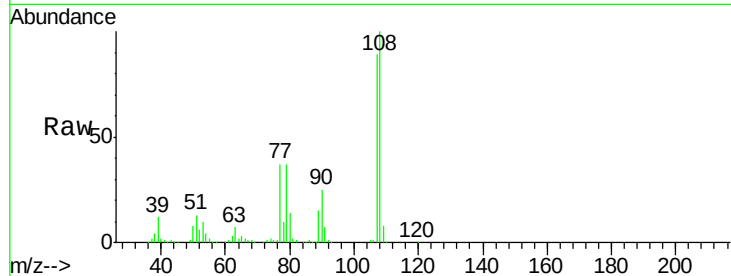
#17
2-Methylphenol
Concen: 33.839 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.1	91.7	137.5	
77	41.8	33.8	50.8	
79	41.0	33.8	50.8	

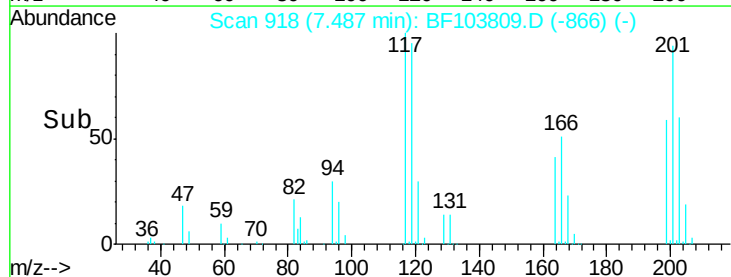
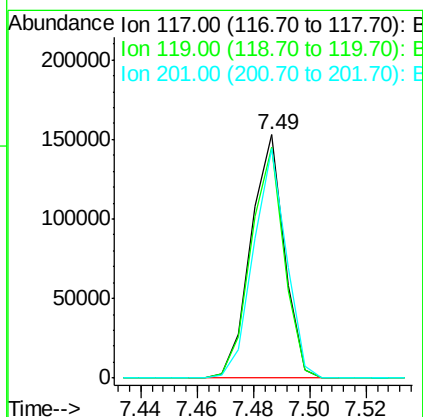
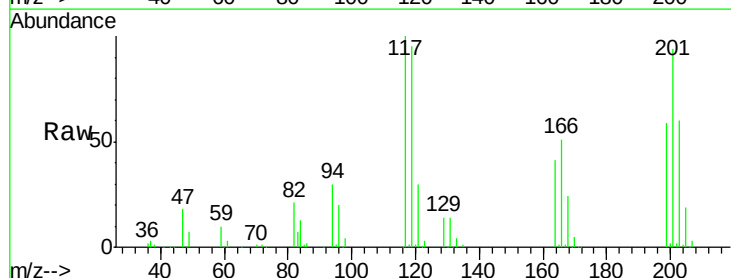
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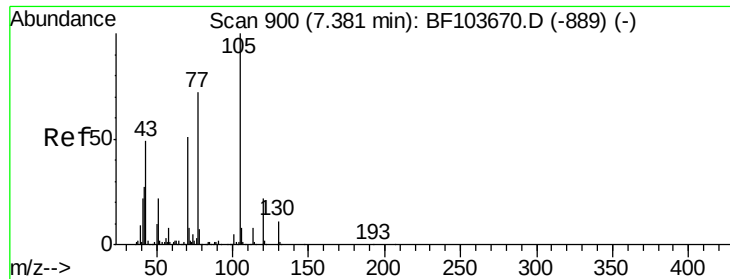
Sohil
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#18
Hexachloroethane
Concen: 30.622 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.8	75.8	113.8	
201	94.4	75.7	113.5	





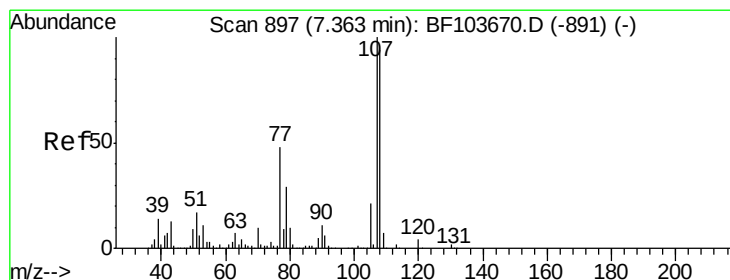
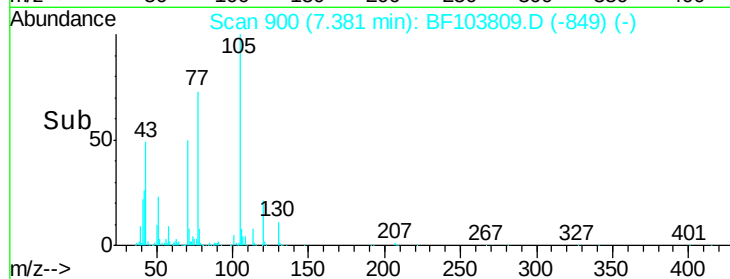
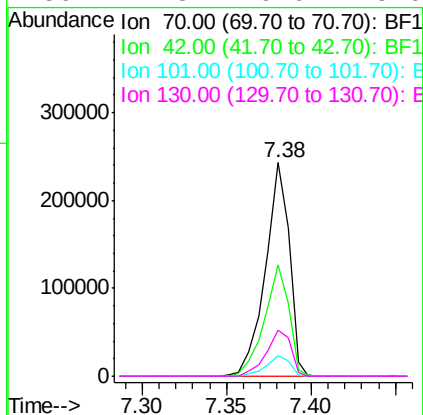
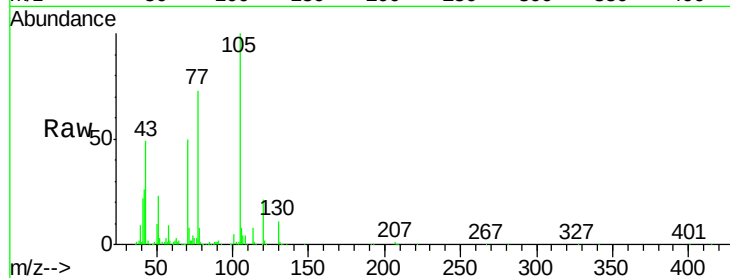
#19
n-Nitroso-di-n-propylamine
Concen: 31.301 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	52.0	47.5	71.3
101	9.6	7.4	11.2
130	21.3	16.6	25.0

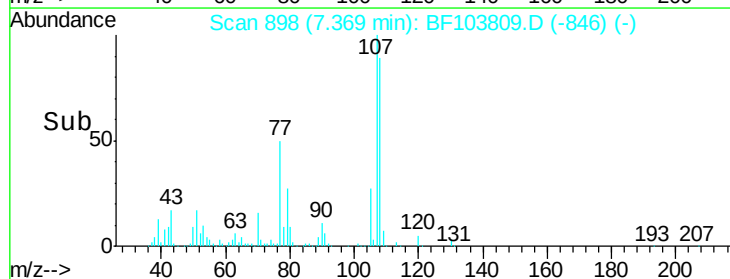
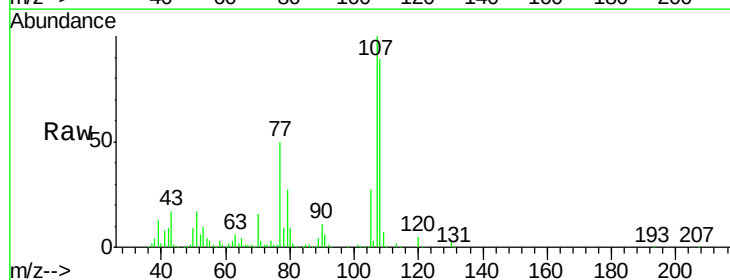
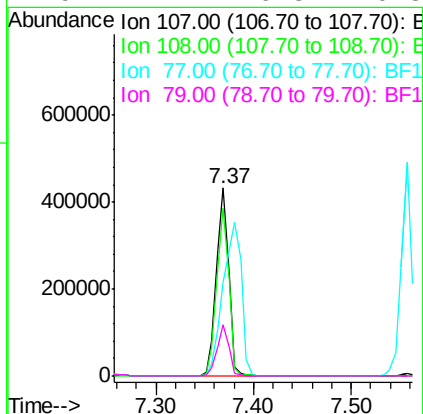
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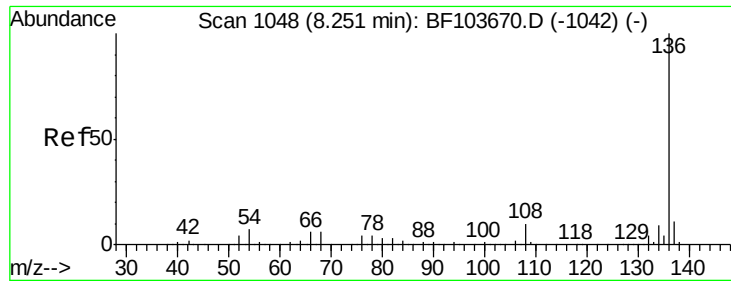
Sohil
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#20
3+4-Methylphenols
Concen: 33.342 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.3	68.2	108.2
77	49.9	26.7	66.7
79	27.2	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

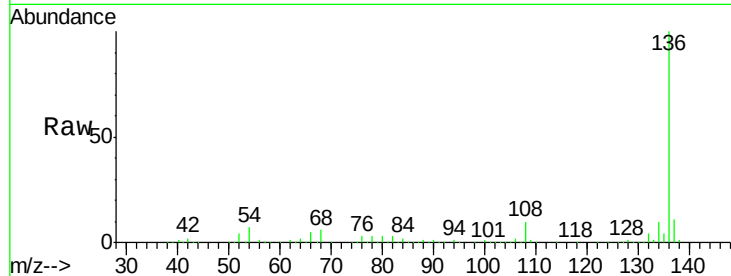
ClientSampled :

FS-SOILMSD

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.1	6.6	9.8
68	6.0	5.0	7.4

Manual Integrations
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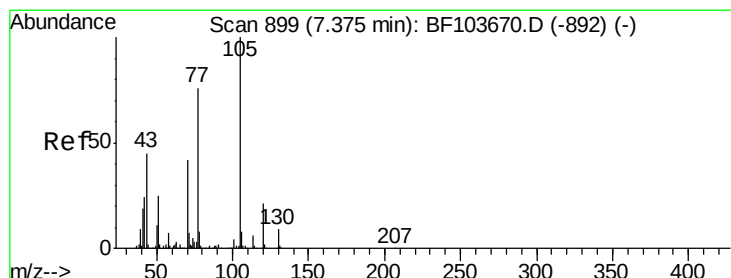
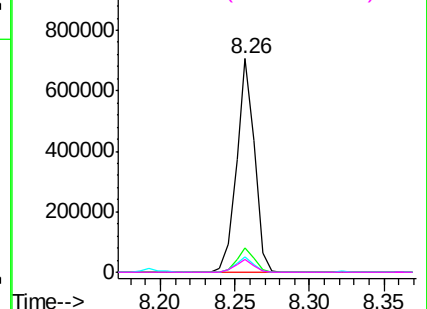
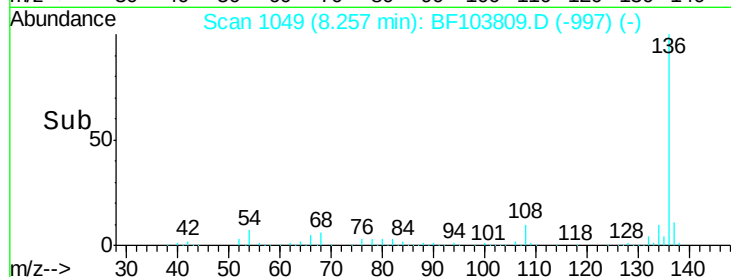


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.591 ng

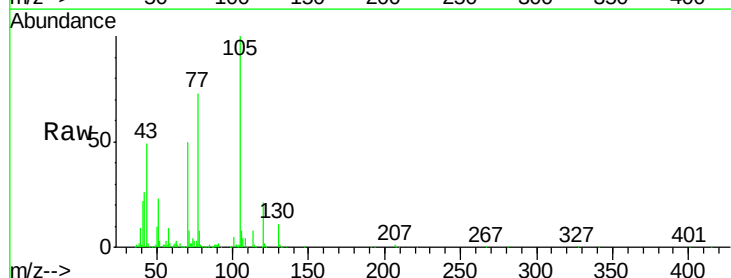
RT: 7.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	8.4	4.4	6.6#
51	22.5	22.3	33.5
120	21.3	16.9	25.3

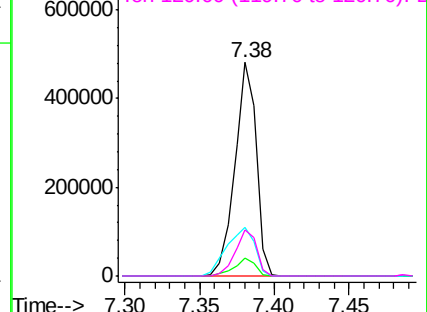
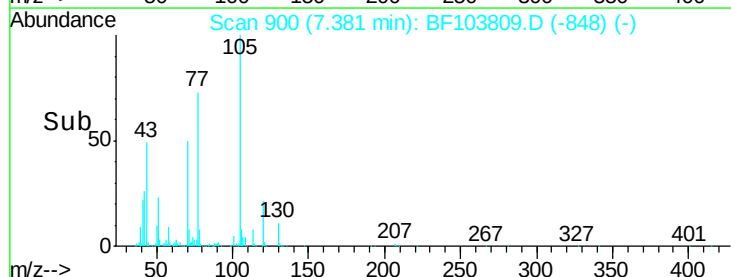


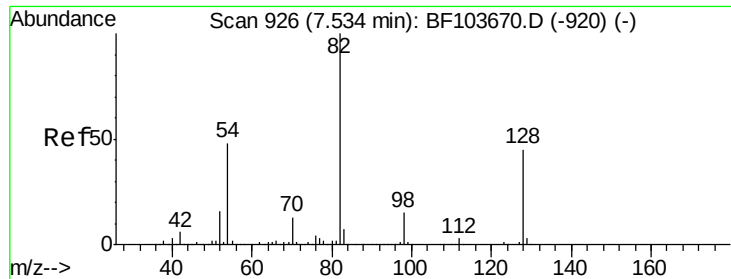
Abundance Ion 105.00 (104.70 to 105.70): E

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





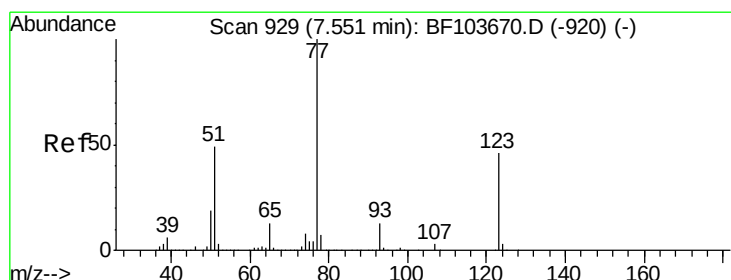
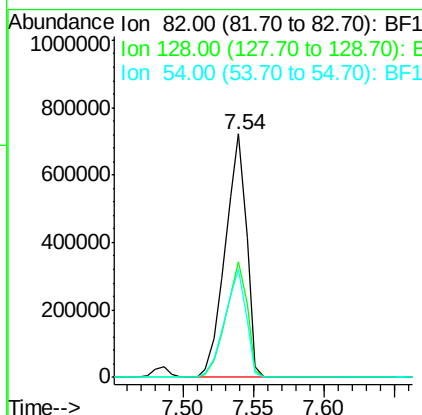
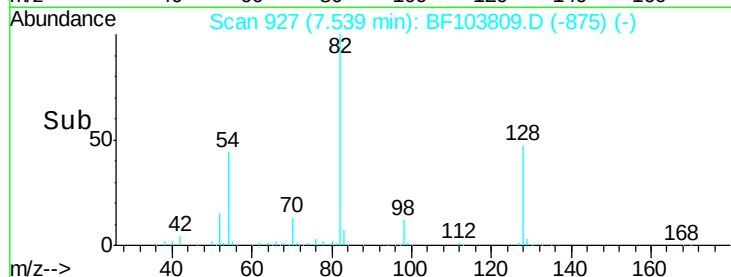
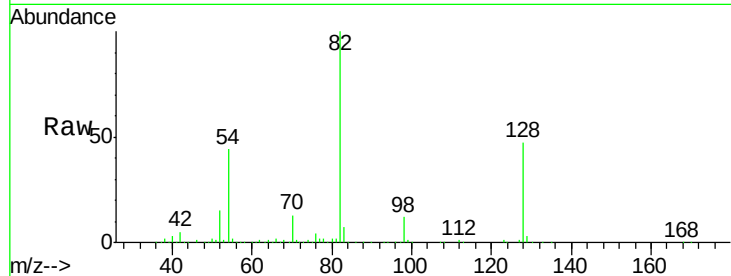
#23
 Nitrobenzene-d5
 Concen: 88.380 ng
 RT: 7.54 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	44.4	41.4	62.2

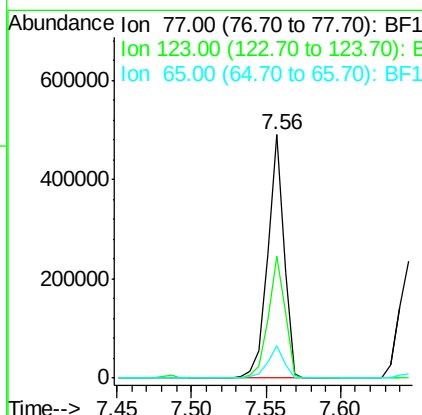
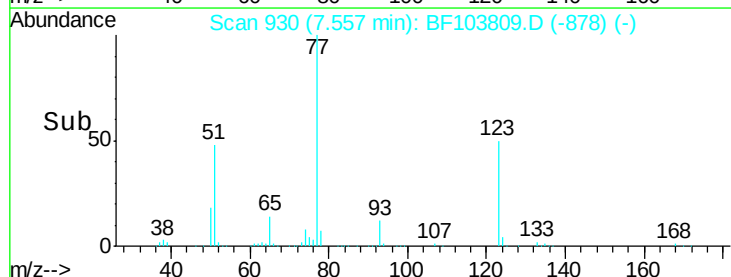
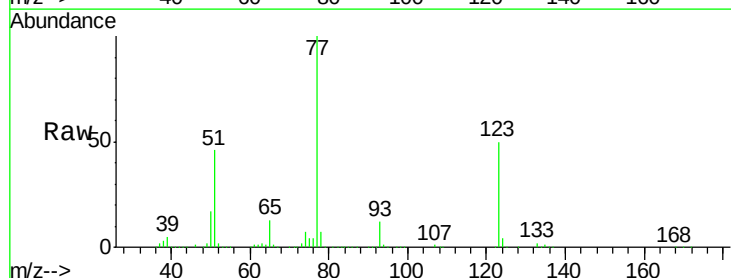
Manual Integrations
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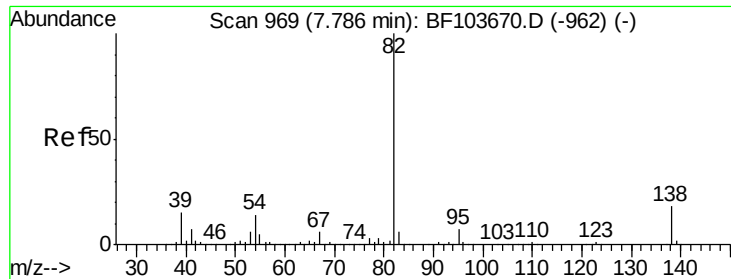
Sohil
 3/22/2018 12:57:38 PM



#24
 Nitrobenzene
 Concen: 36.371 ng
 RT: 7.56 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.2	37.9	56.9
65	13.2	11.0	16.4





#25

Isophorone

Concen: 36.267 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

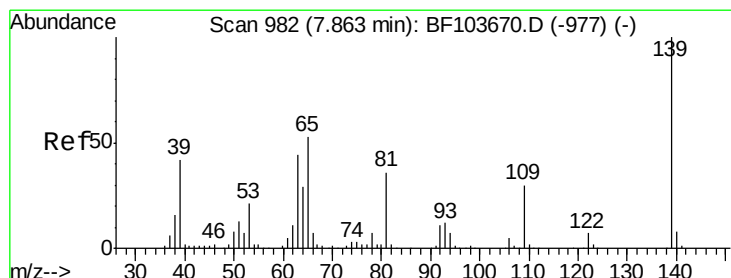
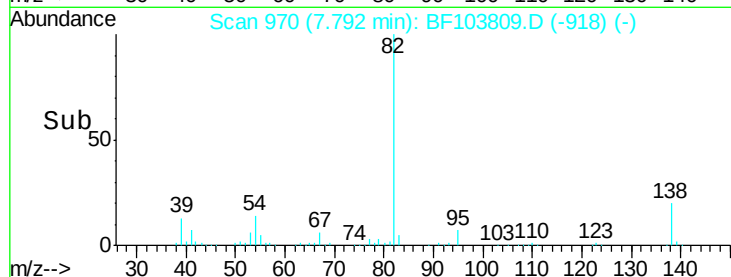
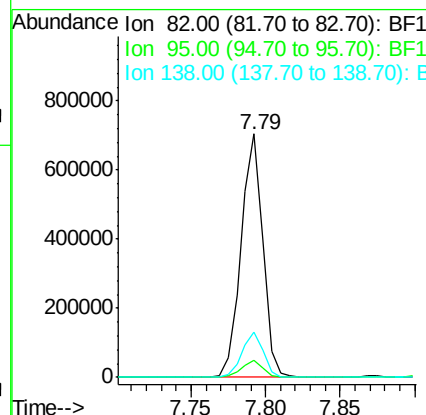
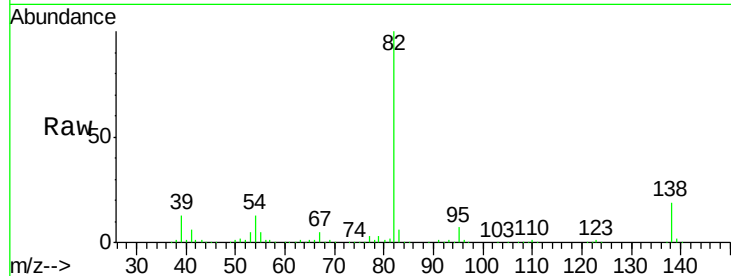
ClientSampleId :

FS-SOILMSD

Tot Ion:	82	Resp:	721032
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.2	7.8
138	18.8	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 50.356 ng

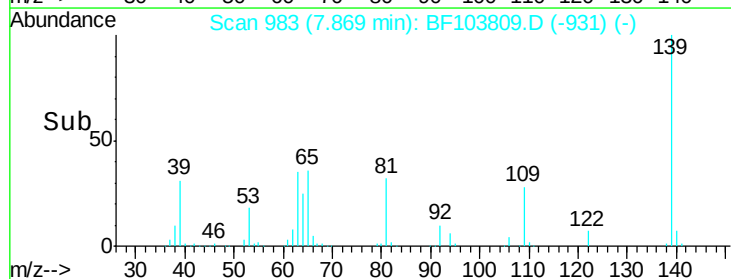
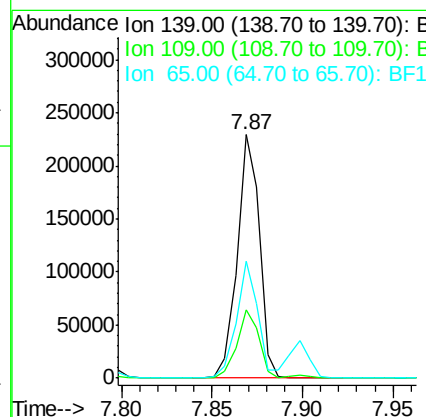
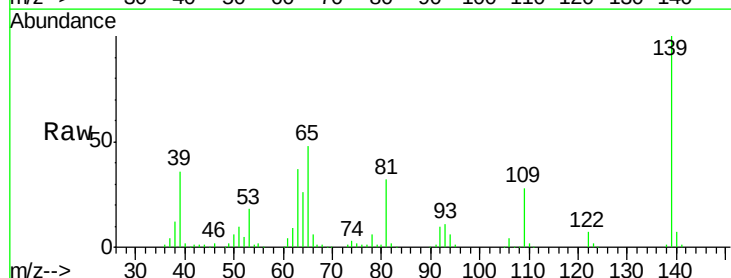
RT: 7.87 min Scan# 983

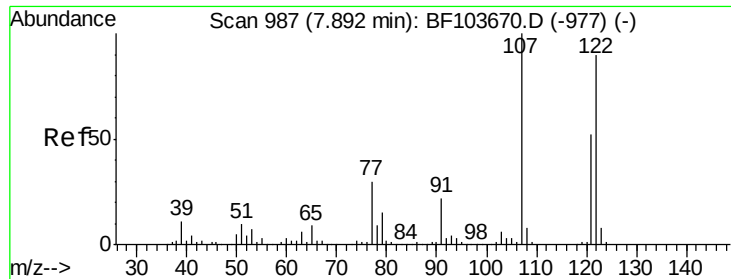
Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	139	Resp:	195384
Ion Ratio	Lower	Upper	
139	100		
109	28.3	22.7	34.1
65	47.9	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 40.572 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

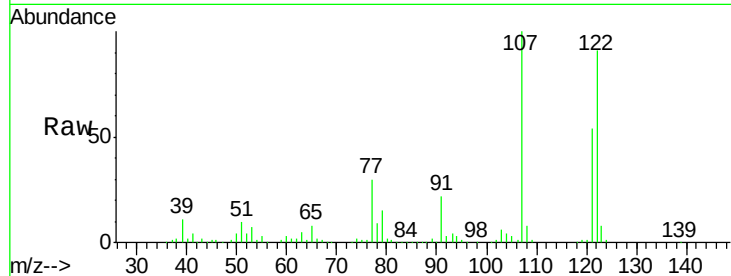
ClientSampleId :

FS-SOILMSD

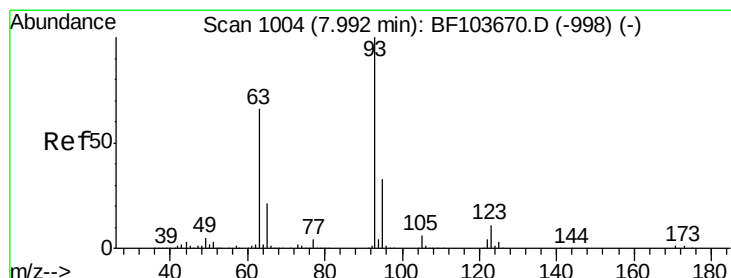
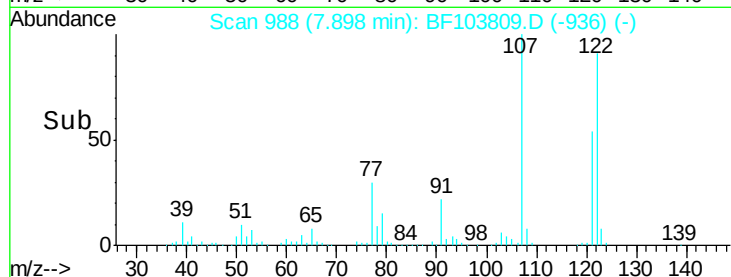
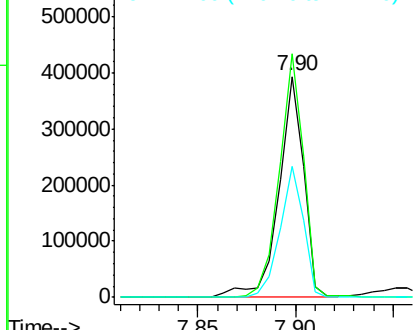
Tot Ion:	122	Resp:	345560
Ion Ratio	Lower	Upper	
122	100		
107	110.3	91.2	136.8
121	59.3	47.2	70.8

Manual Integrations
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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 36.803 ng

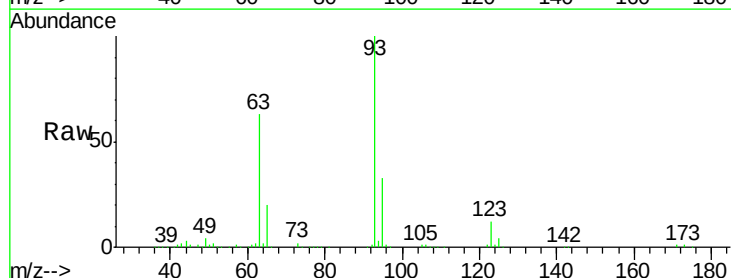
RT: 8.00 min Scan# 1005

Delta R.T. 0.01 min

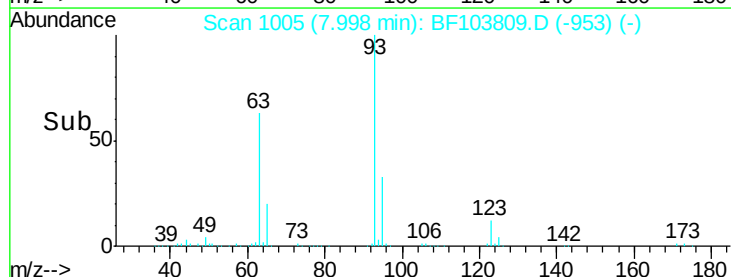
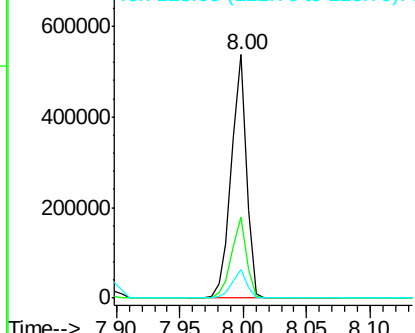
Lab File: BF103809.D

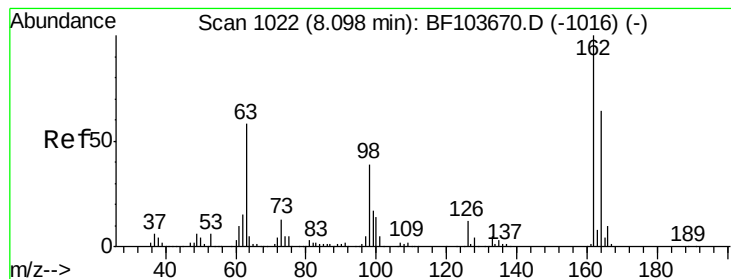
Acq: 20 Mar 2018 18:24

Tgt Ion:	93	Resp:	443073
Ion Ratio	Lower	Upper	
93	100		
95	33.2	26.3	39.5
123	11.5	9.8	14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 38.685 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

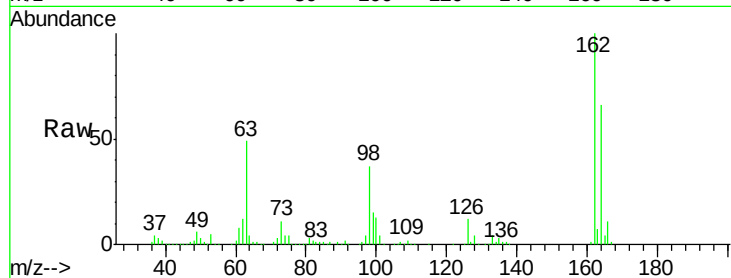
ClientSampleID :

FS-SOILMSD

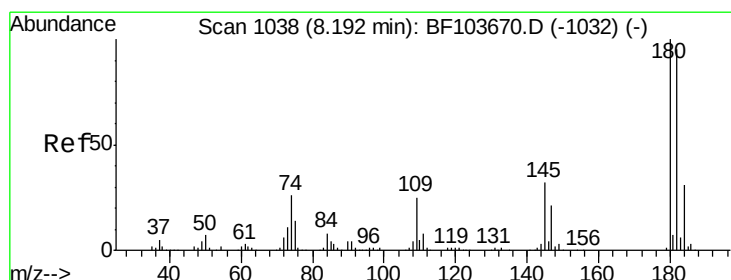
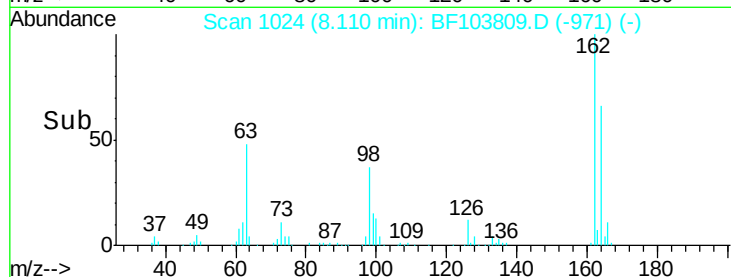
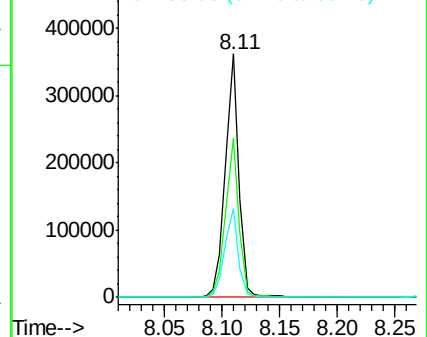
Tot Ion:	162	Resp:	299768
Ion Ratio	Lower	Upper	
162	100		
164	65.6	42.7	82.7
98	36.6	18.1	58.1

Manual Integrations
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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: 33.919 ng

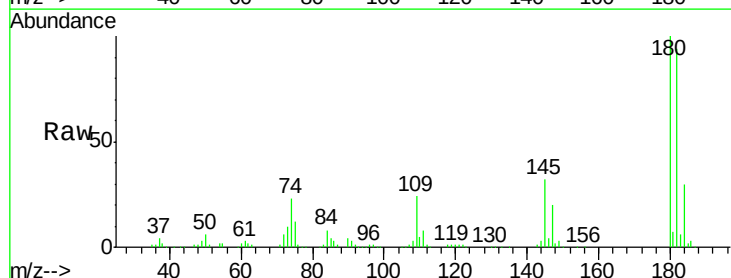
RT: 8.20 min Scan# 1039

Delta R.T. 0.01 min

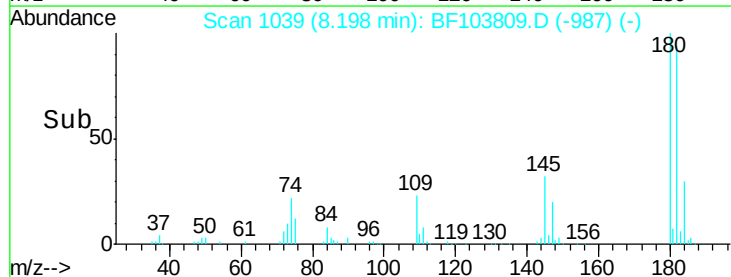
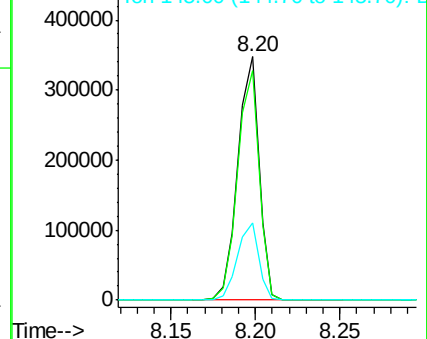
Lab File: BF103809.D

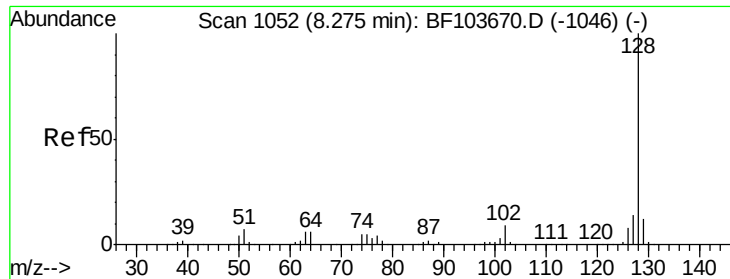
Acq: 20 Mar 2018 18:24

Tgt Ion:	180	Resp:	304847
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.8	115.2
145	31.7	26.5	39.7



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: 33.771 ng

RT: 8.28 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

ClientSampleId :

FS-SOILMSD

Tot Ion:128 Resp: 1021706

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

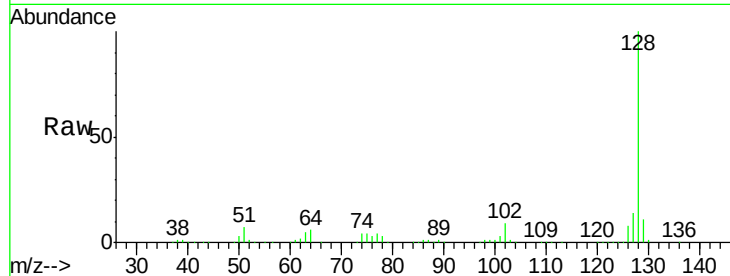
127 13.7 10.9 16.3

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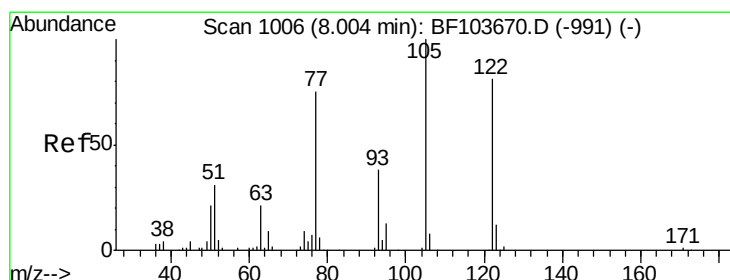
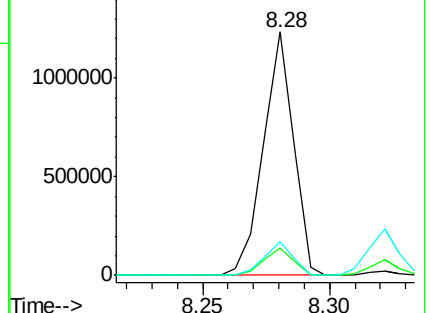
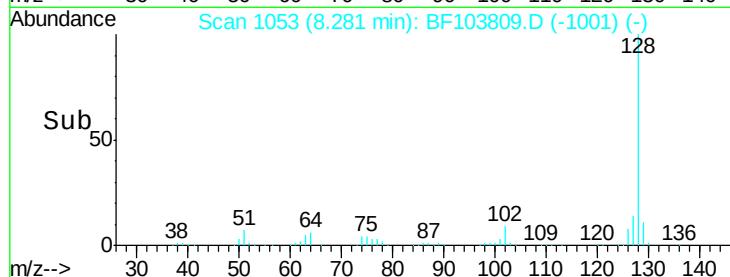
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 13.508 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.05 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

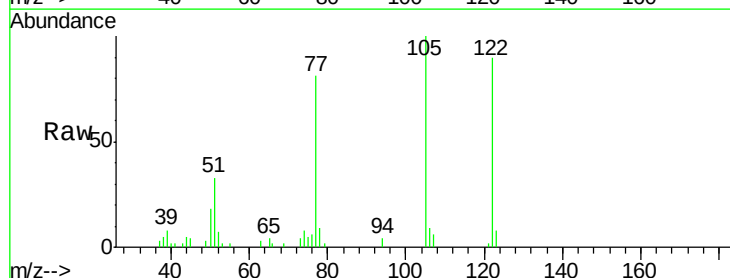
Tgt Ion:122 Resp: 27282

Ion Ratio Lower Upper

122 100

105 110.9 101.1 141.1

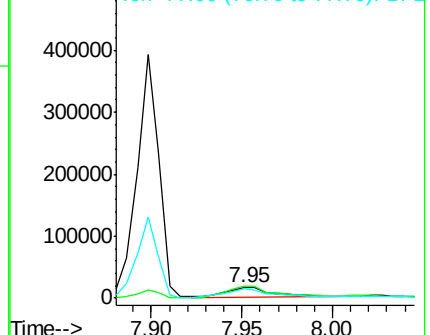
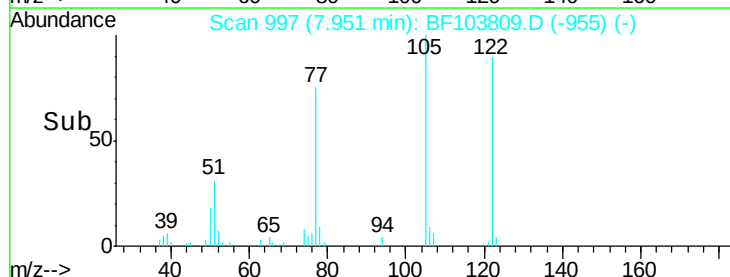
77 89.7 70.7 110.7

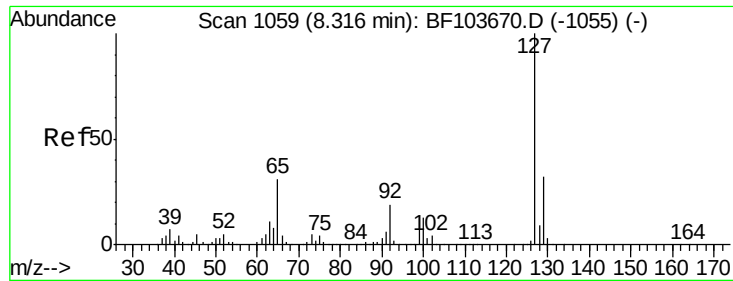


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





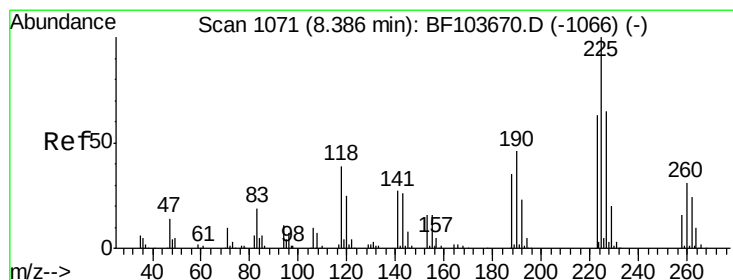
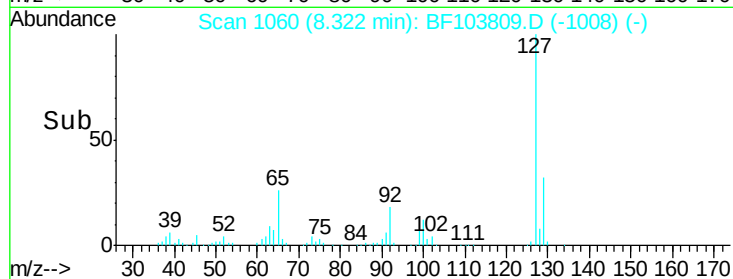
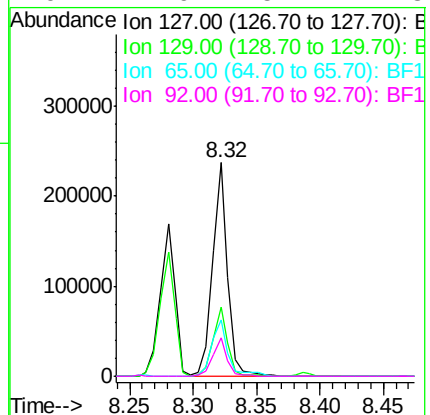
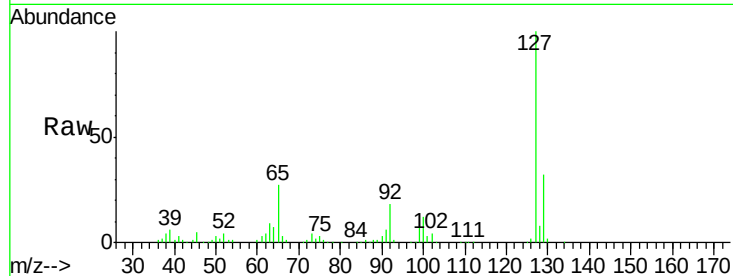
#33
4-Chloroaniline
Concen: 15.605 ng
RT: 8.32 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampled :
FS-SOILMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4		25.9	38.9	
65	26.5		25.0	37.4	
92	17.9		15.2	22.8	

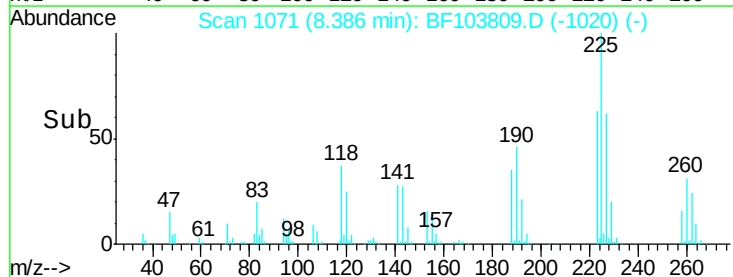
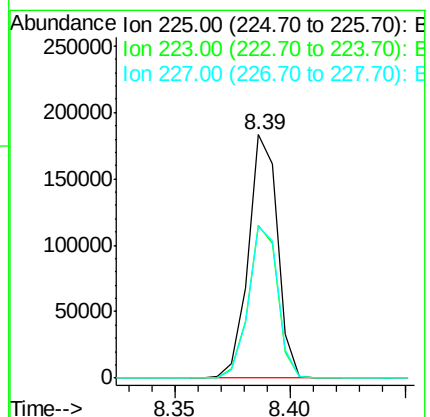
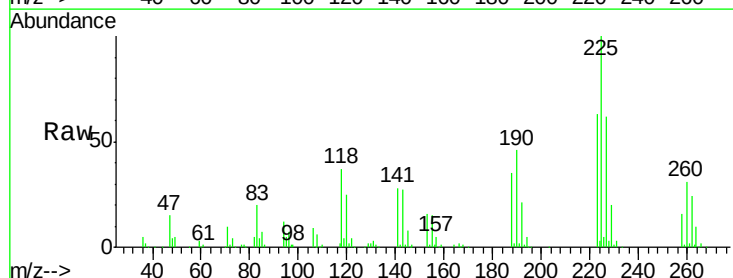
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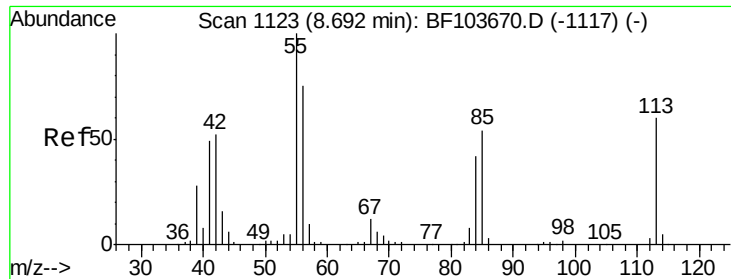
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#34
Hexachlorobutadiene
Concen: 32.826 ng
RT: 8.39 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.9		50.6	76.0	
227	62.1		51.9	77.9	





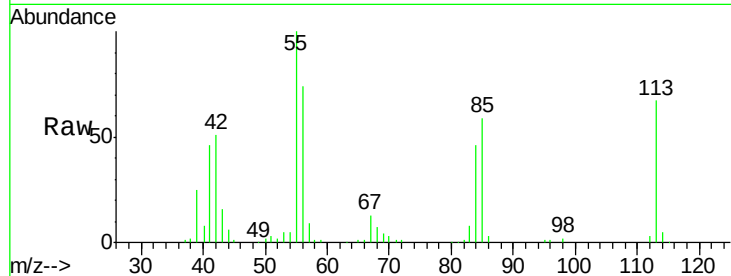
#35
Caprolactam
Concen: 34.499 ng/ml
RT: 8.69 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	149.9	163.3	203.3	#
56	110.9	115.7	155.7	#

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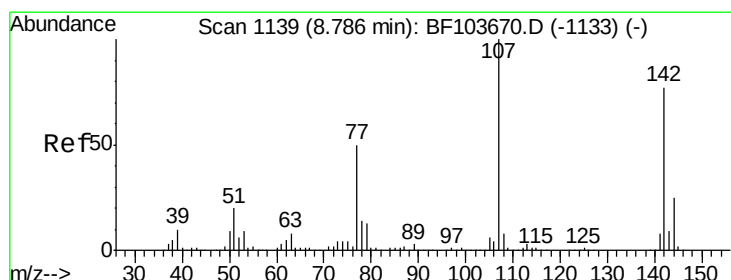
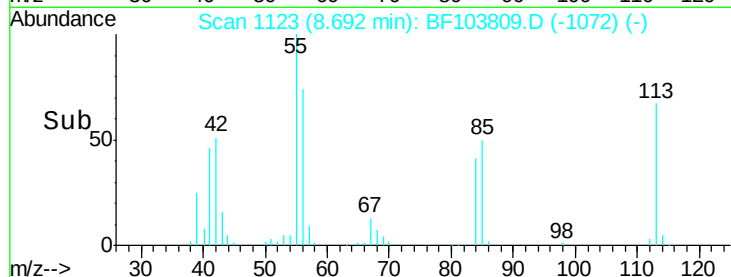
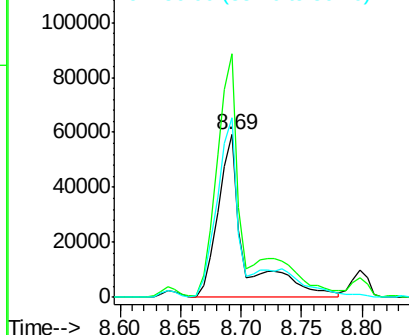


Abundance

Ion 113.00 (112.70 to 113.70): E

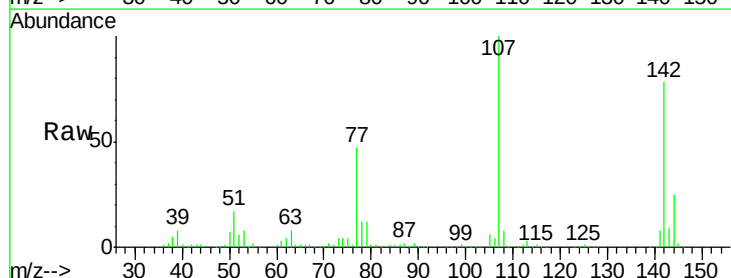
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
4-Chloro-3-methylphenol
Concen: 37.216 ng/ml
RT: 8.80 min Scan# 1141
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	24.9	20.5	30.7	
142	78.1	62.0	93.0	

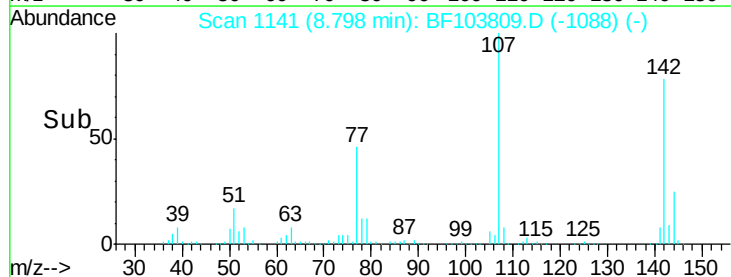
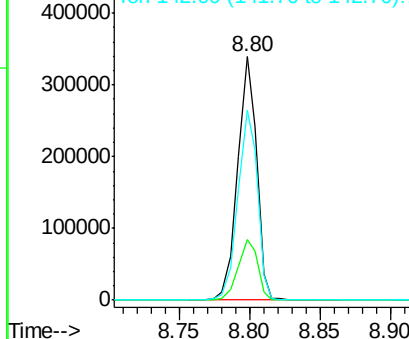


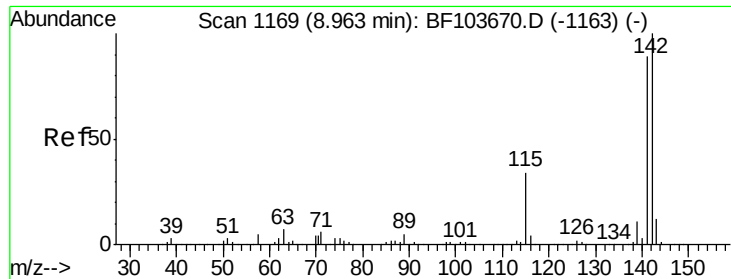
Abundance

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





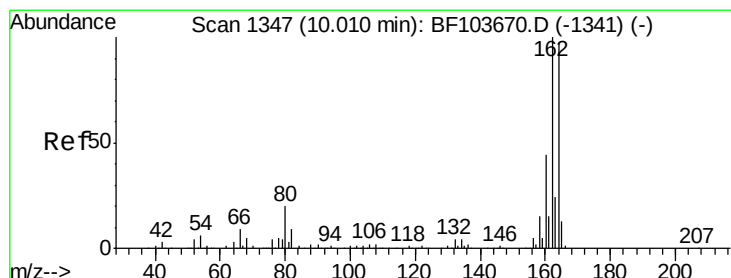
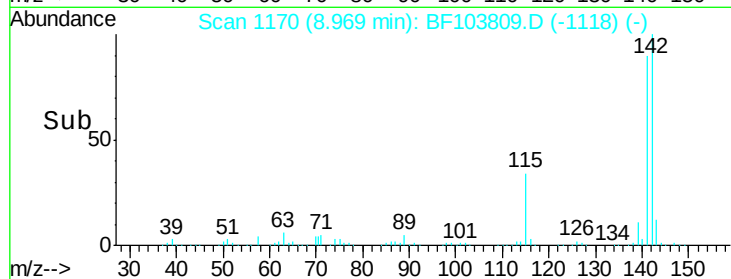
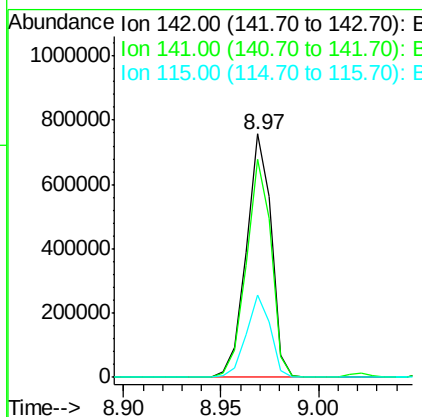
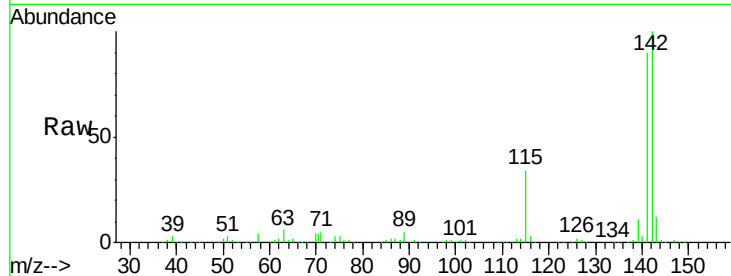
#37
2-Methylnaphthalene
Concen: 34.836 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.8	106.2
115	33.6	26.1	39.1

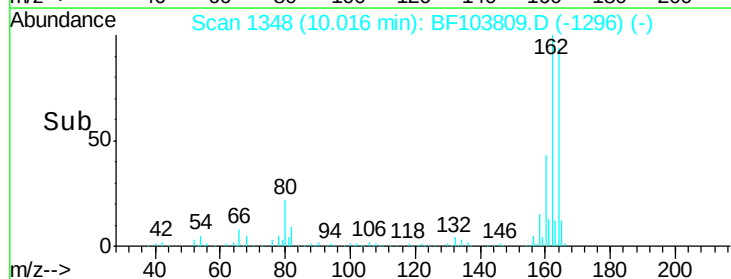
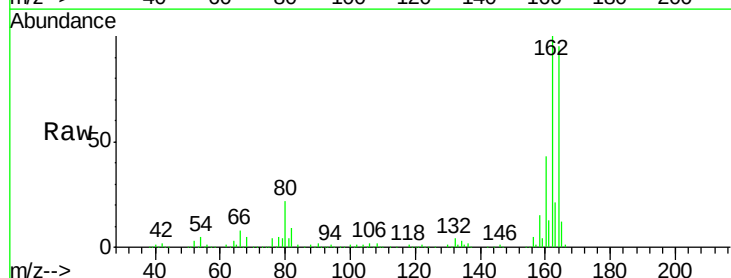
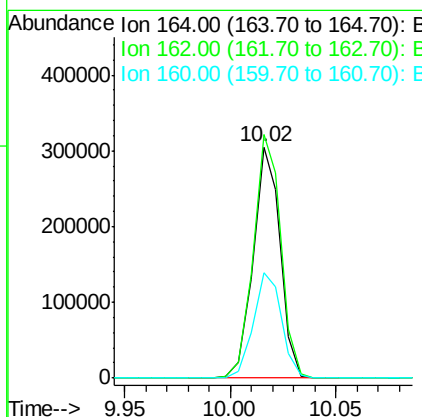
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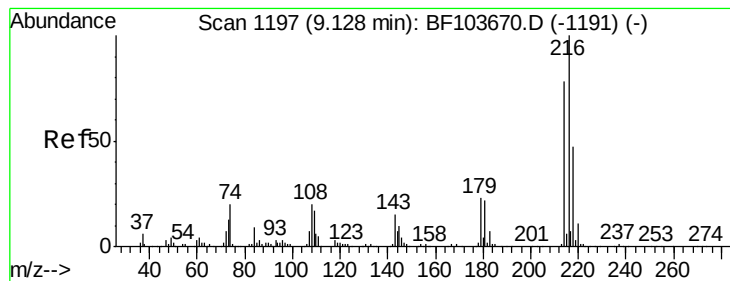
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	45.3	38.3	57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 36.362 ng

RT: 9.13 min Scan# 1198

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

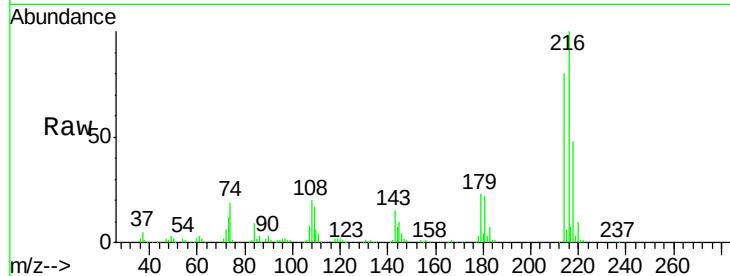
ClientSampleId :

FS-SOILMSD

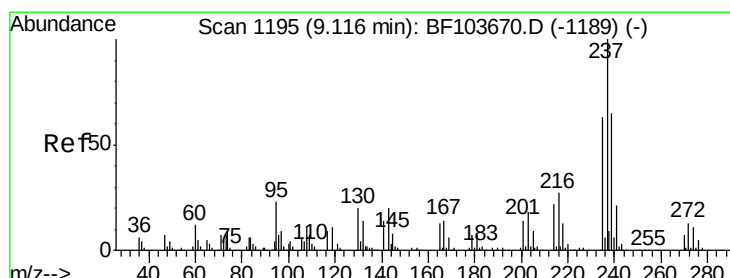
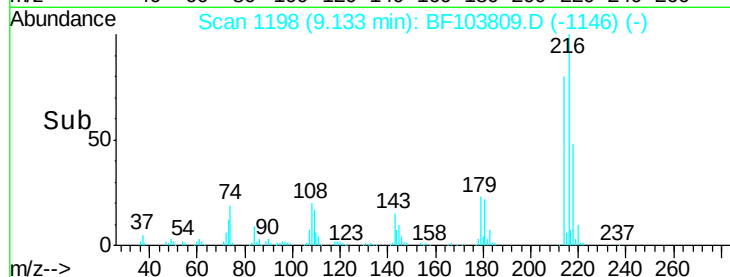
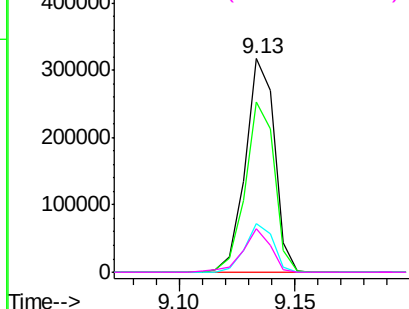
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		280871		
214	79.1		63.0	94.4	
179	22.3		18.1	27.1	
108	19.4		17.2	25.8	

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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



#40

Hexachlorocyclopentadiene

Concen: 17.413 ng

RT: 9.12 min Scan# 1195

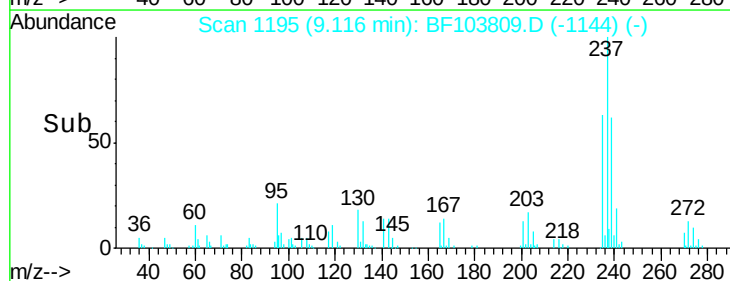
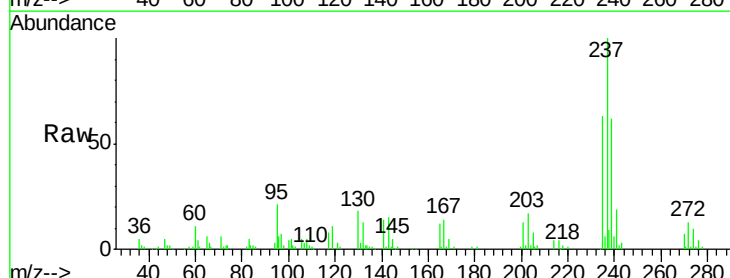
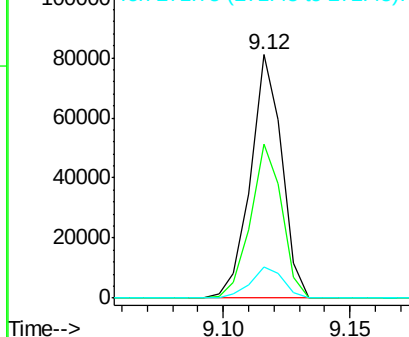
Delta R.T. -0.00 min

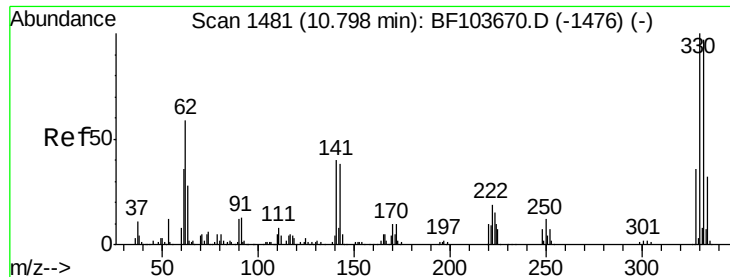
Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		69402		
235	63.3		44.8	84.8	
272	12.8		0.0	33.3	

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





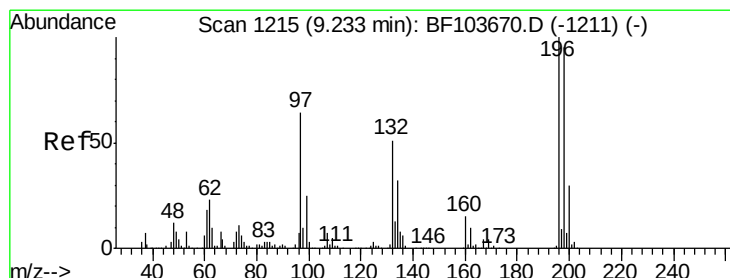
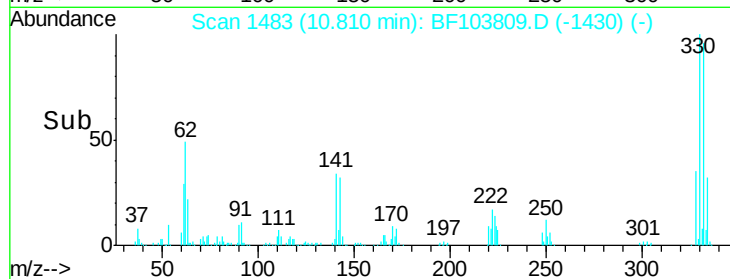
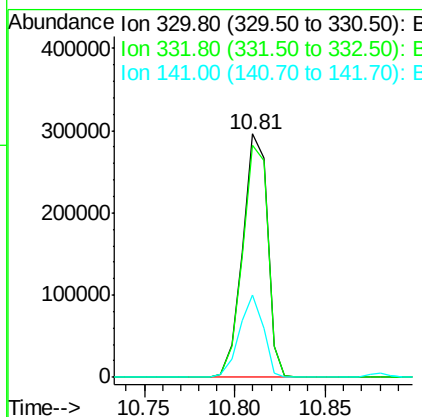
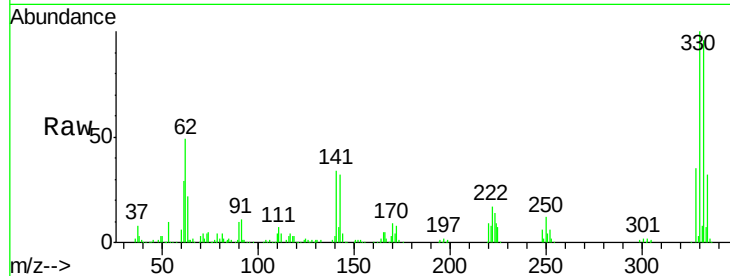
#41
 2,4,6-Tribromophenol
 Concen: 121.717 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	283351		
332	96.8	77.0	115.6	
141	32.6	29.9	44.9	

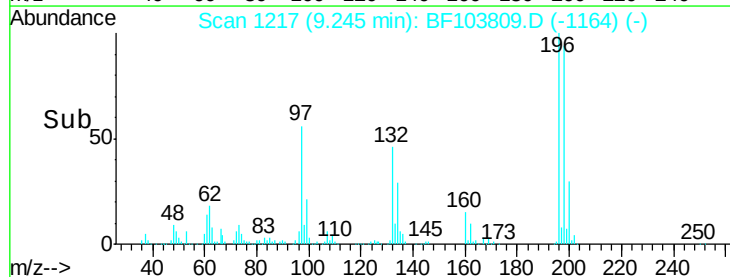
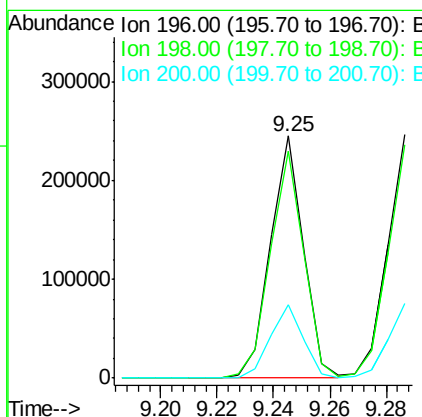
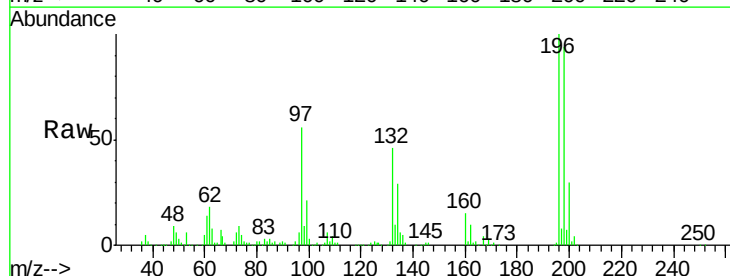
Manual Integrations
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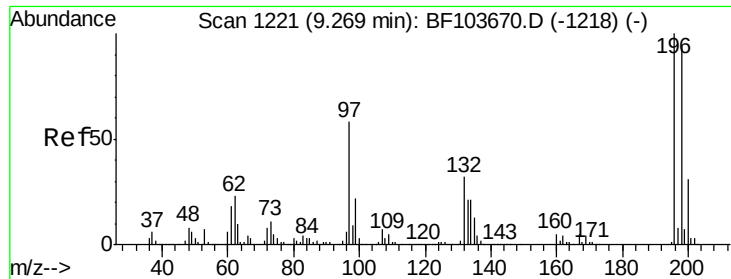
Sohil
 3/22/2018 12:57:38 PM



#42
 2,4,6-Trichlorophenol
 Concen: 40.213 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	198680		
198	93.9	75.7	113.5	
200	30.4	24.5	36.7	





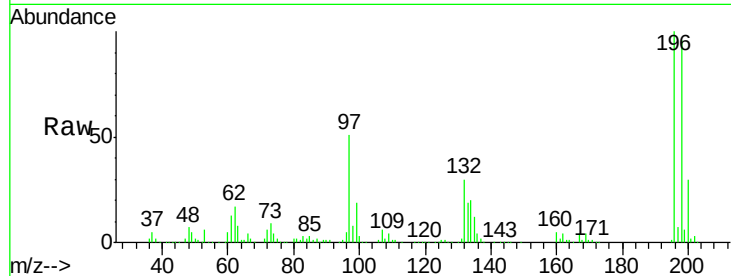
#43
 2,4,5-Trichlorophenol
 Concen: 38.385 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. 0.02 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMSD

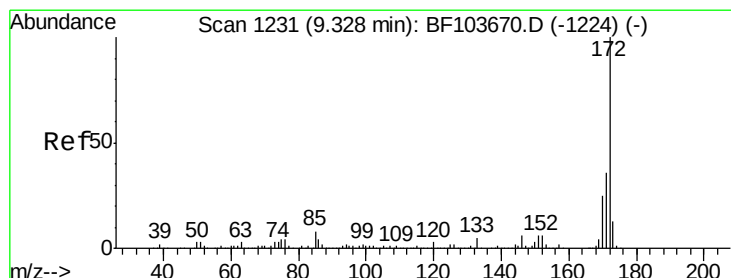
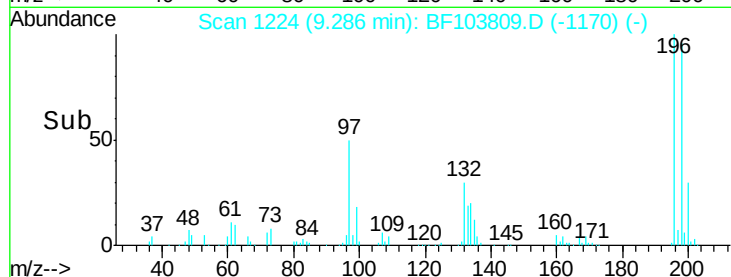
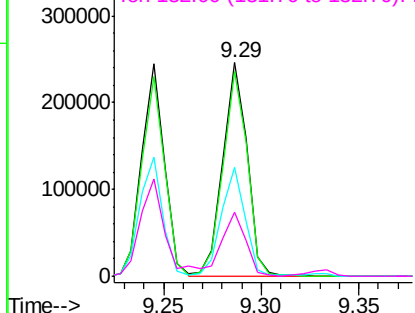
Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		214051		
198	95.6	74.6	112.0		
97	50.7	42.9	64.3		
132	30.2	26.3	39.5		

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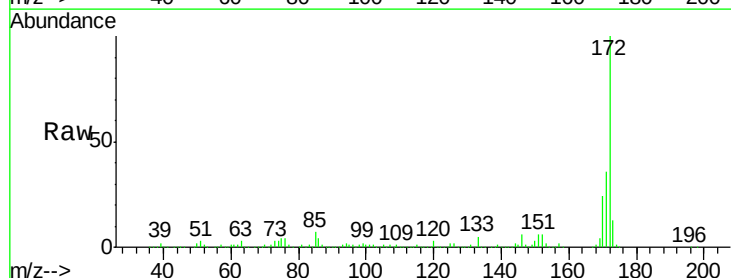


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

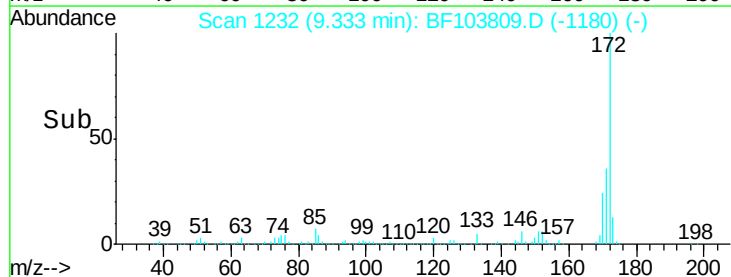
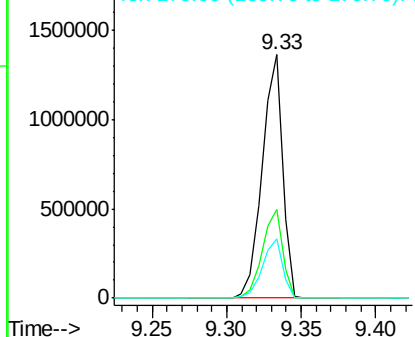


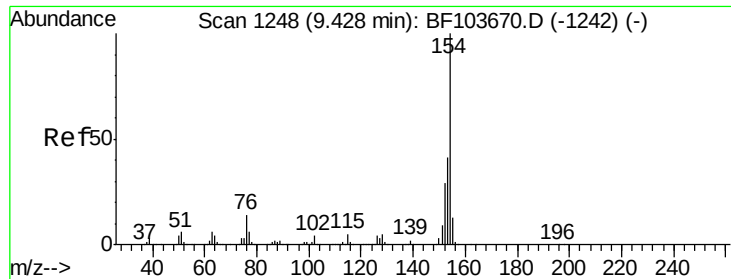
#44
 2-Fluorobiphenyl
 Concen: 75.083 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1274415		
171	36.4	29.7	44.5		
170	24.2	19.6	29.4		



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





#45

1,1'-Biphenyl

Concen: 34.241 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

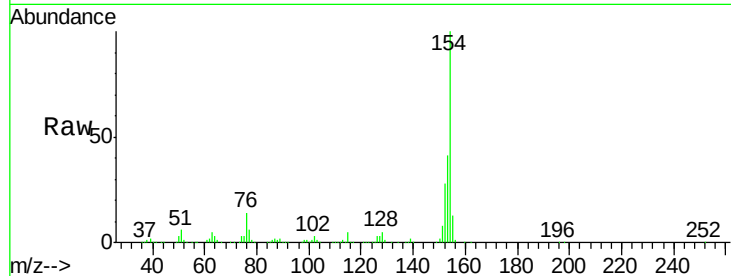
ClientSampleId :

FS-SOILMSD

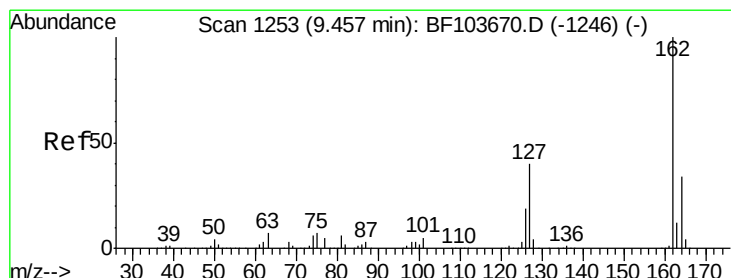
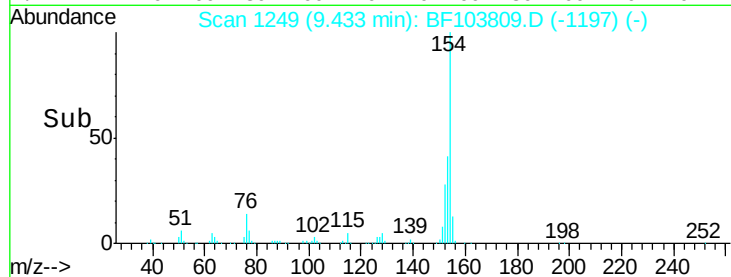
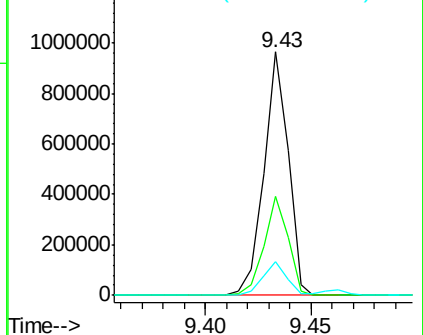
Tot Ion:	154	Resp:	773062
Ion Ratio	Lower	Upper	
154	100		
153	40.8	21.3	61.3
76	13.7	0.0	34.0

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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



#46

2-Chloronaphthalene

Concen: 34.385 ng

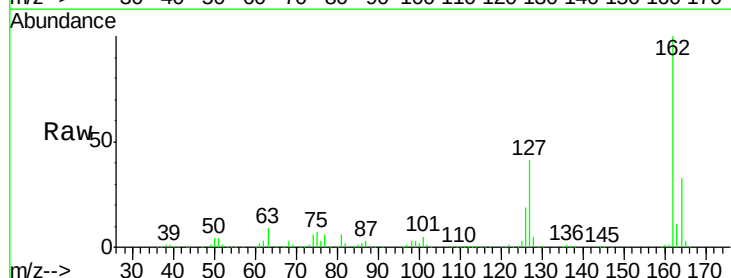
RT: 9.46 min Scan# 1254

Delta R.T. 0.01 min

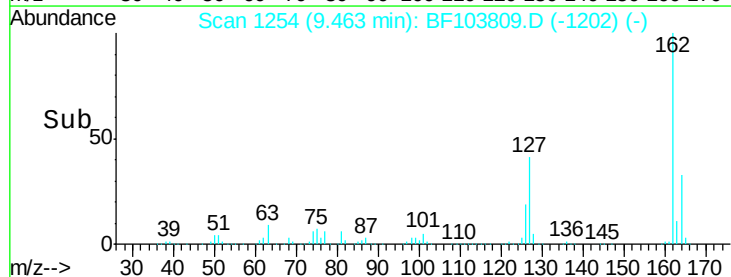
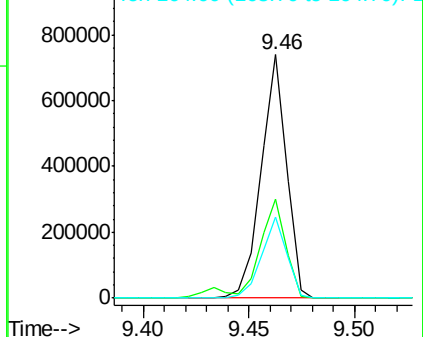
Lab File: BF103809.D

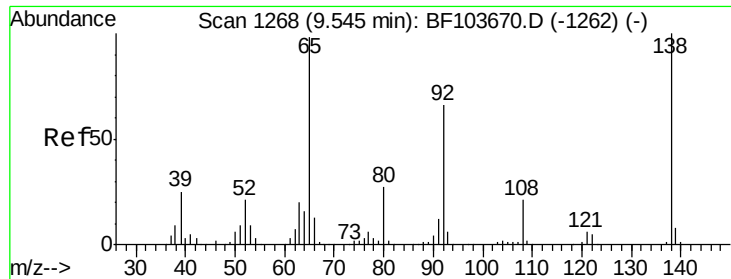
Acq: 20 Mar 2018 18:24

Tgt Ion:	162	Resp:	616591
Ion Ratio	Lower	Upper	
162	100		
127	40.5	33.9	50.9
164	33.3	26.5	39.7



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





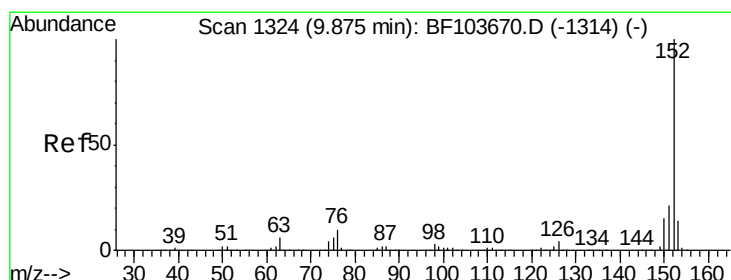
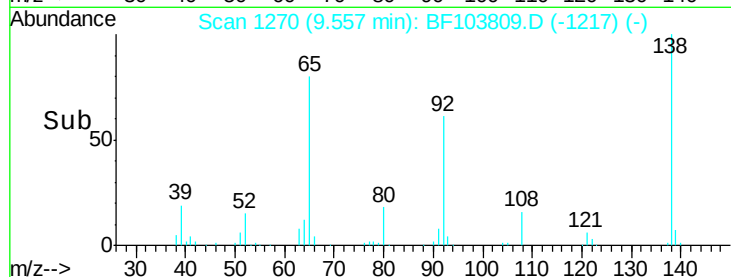
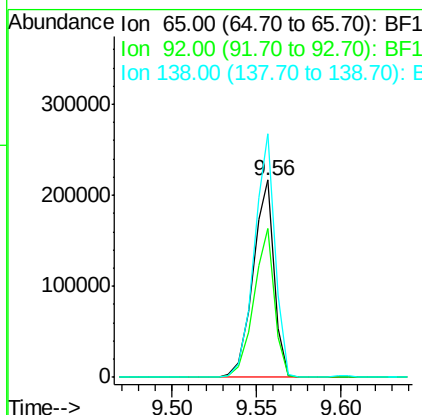
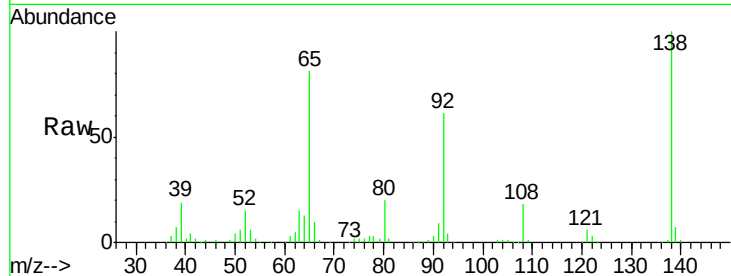
#47
2-Nitroaniline
Concen: 41.709 ng
RT: 9.56 min Scan# 1270
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	75.4	55.8	83.6
138	123.6	91.2	136.8

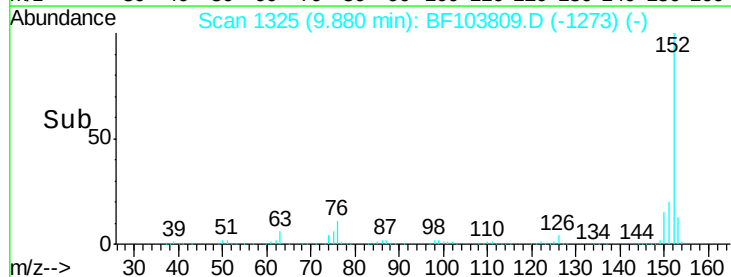
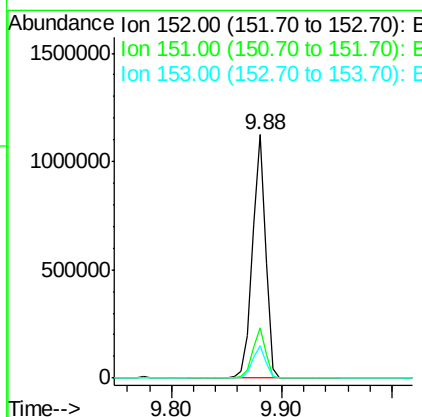
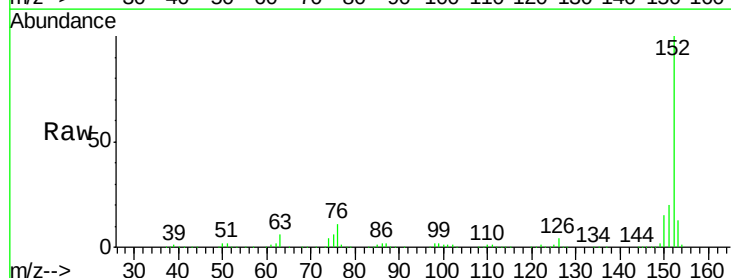
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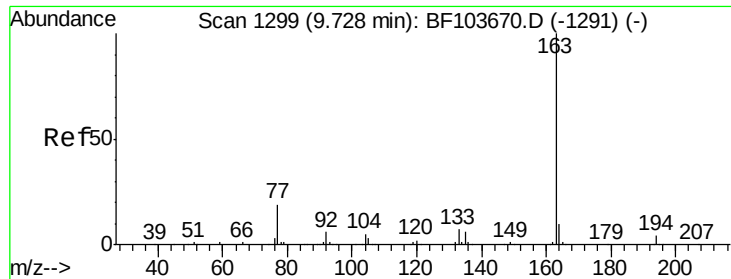
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#48
Acenaphthylene
Concen: 33.660 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	13.2	10.7	16.1





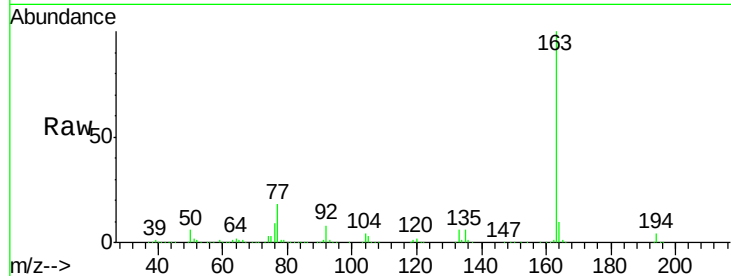
#49
Dimethylphthalate
Concen: 40.328 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

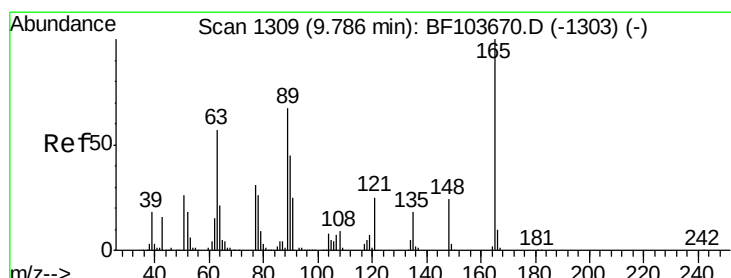
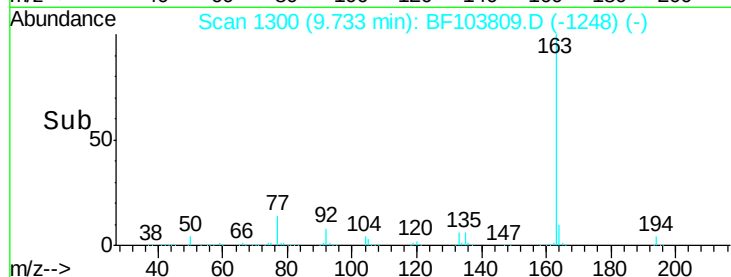
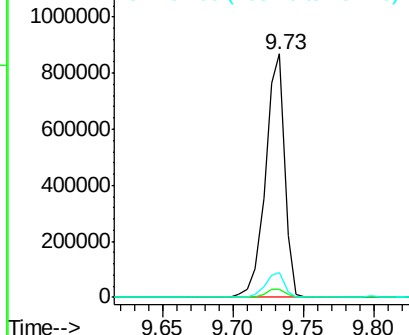
Tot Ion	Ratio	Resp	Lower	Upper
163	100	833053		
194	3.6		2.7	4.1
164	9.9		8.2	12.2

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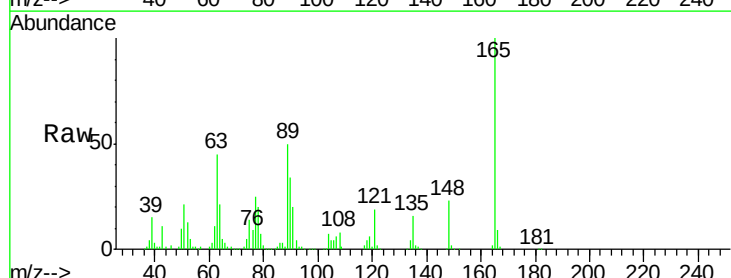


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

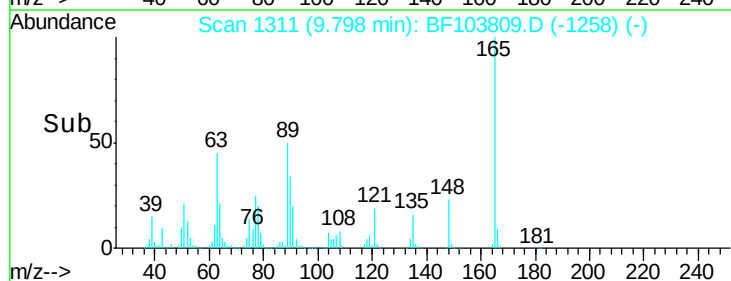
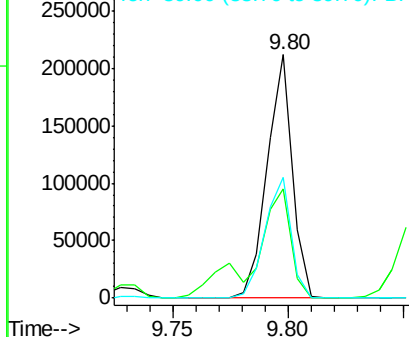


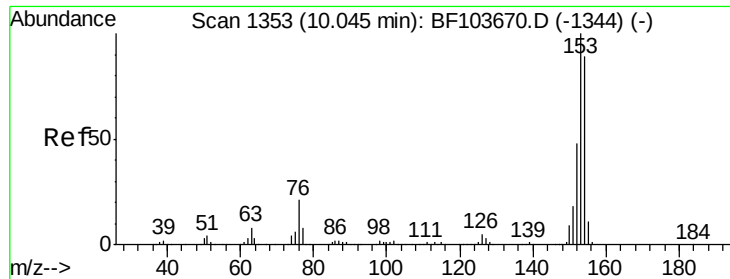
#50
2,6-Dinitrotoluene
Concen: 41.037 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	161466		
63	44.7		44.7	67.1
89	49.5		44.0	66.0



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





#51

Acenaphthene

Concen: 33.092 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

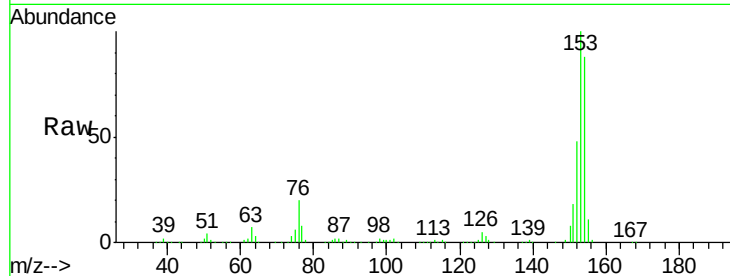
ClientSampleId :

FS-SOILMSD

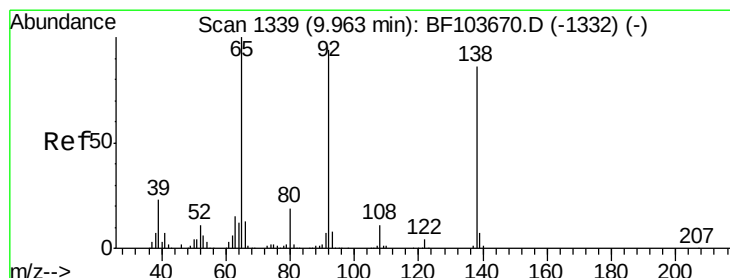
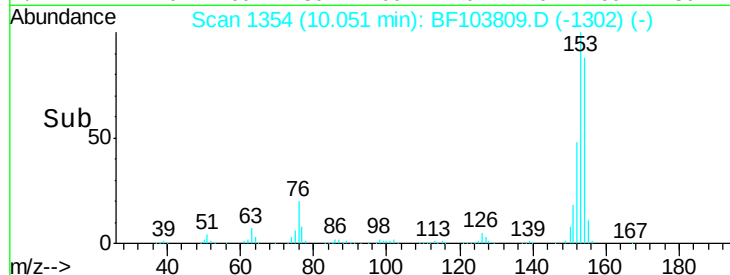
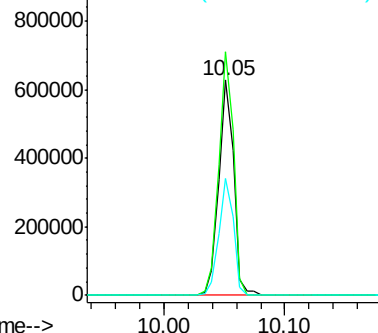
Tot Ion:	154	Resp:	546382
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.2	136.8
152	54.3	43.8	65.8

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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



#52

3-Nitroaniline

Concen: 31.748 ng

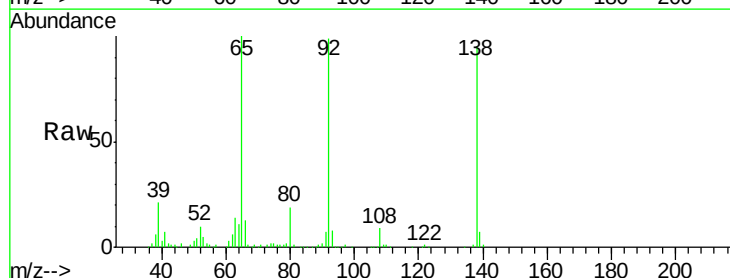
RT: 9.97 min Scan# 1340

Delta R.T. 0.01 min

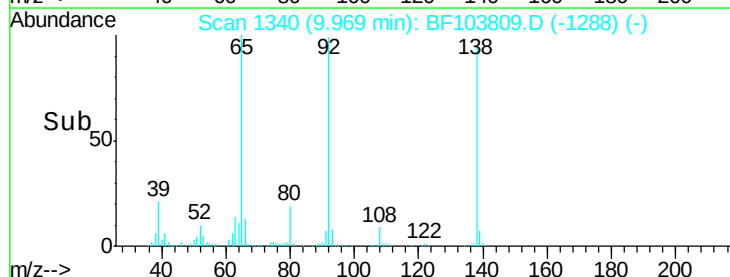
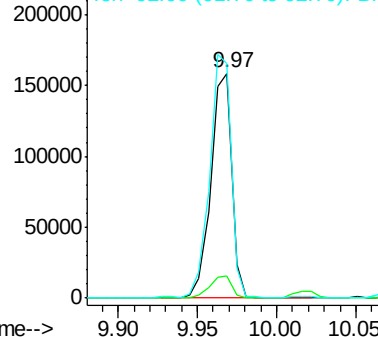
Lab File: BF103809.D

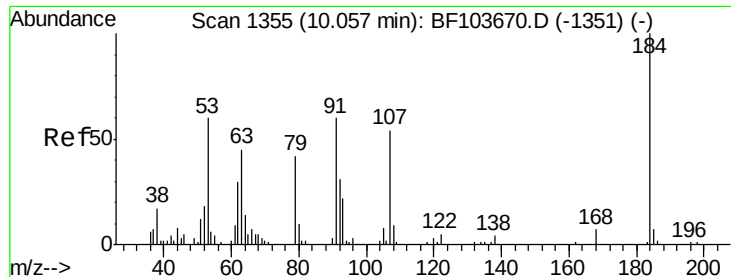
Acq: 20 Mar 2018 18:24

Tgt Ion:	138	Resp:	145326
Ion Ratio	Lower	Upper	
138	100		
108	9.7	9.4	14.0
92	104.4	89.4	134.2



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





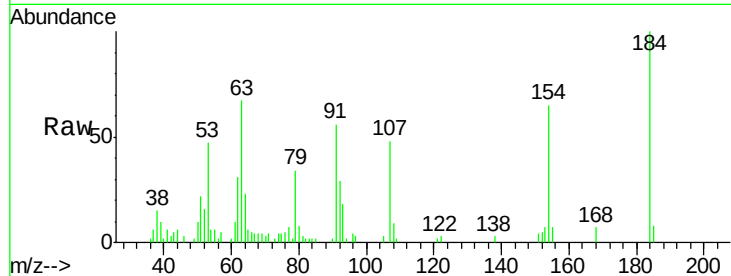
#53
2,4-Dinitrophenol
Concen: 30.216 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

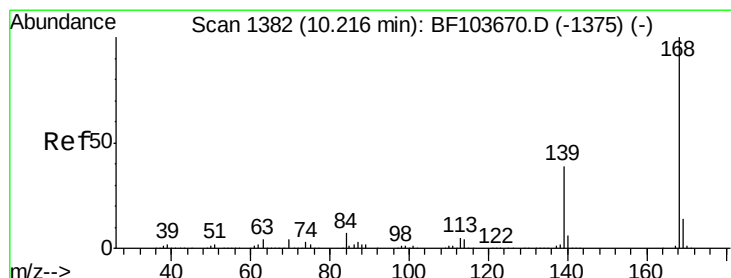
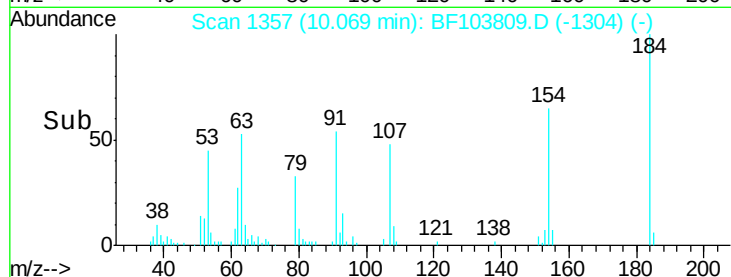
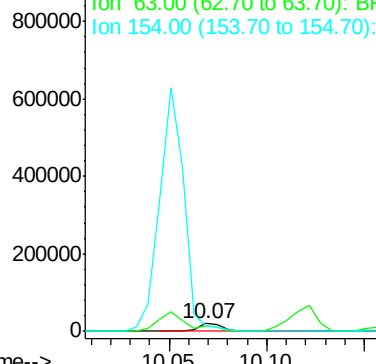
Tot Ion	Ratio	Lower	Upper
184	100		
63	66.9	54.2	81.2
154	64.9	184.0	276.0#

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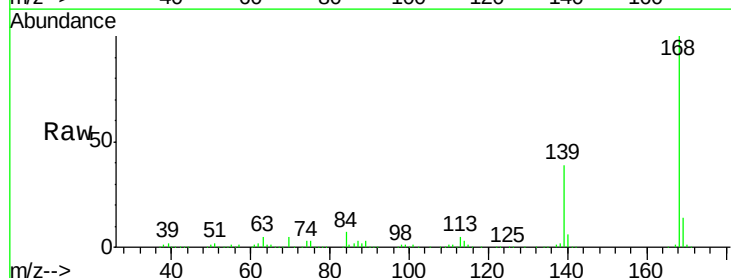


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

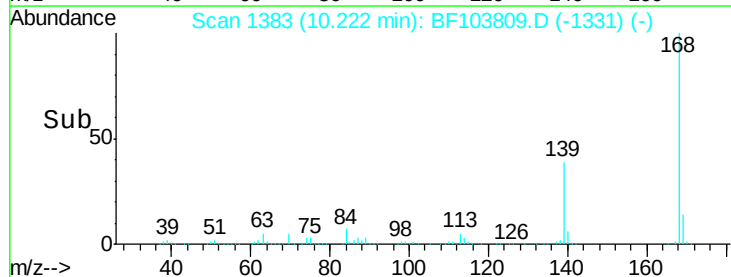
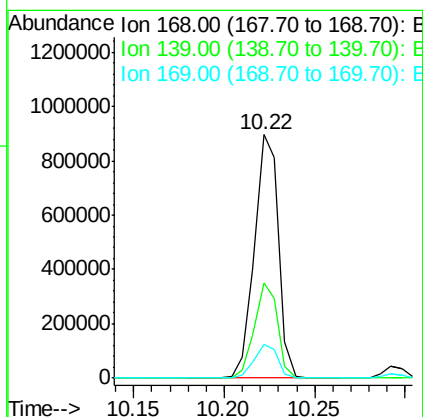


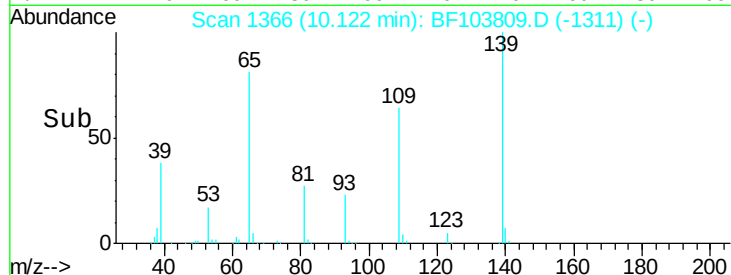
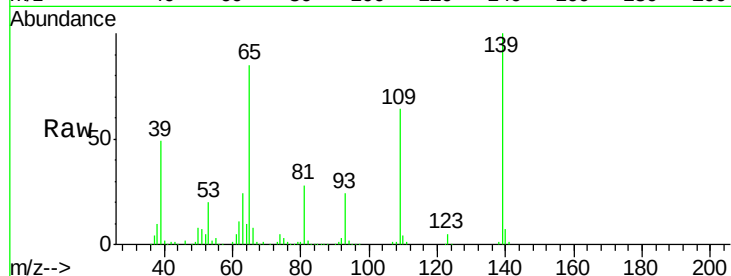
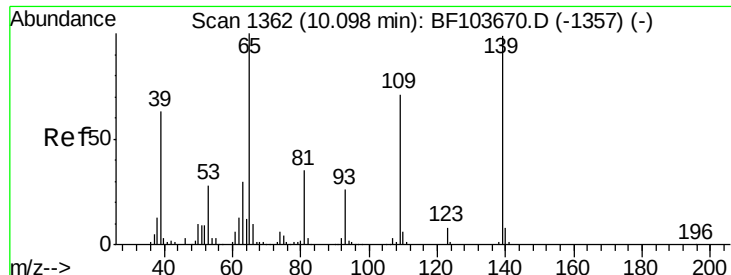
#54
Dibenzofuran
Concen: 34.931 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.1	45.1
169	14.0	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





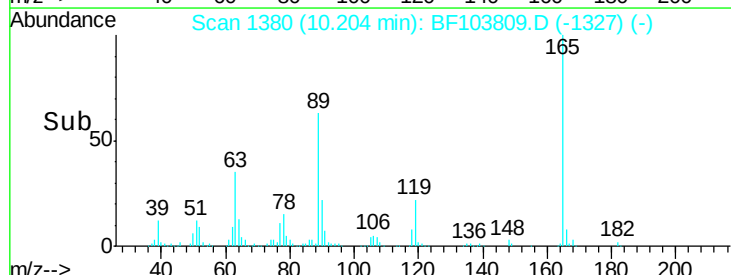
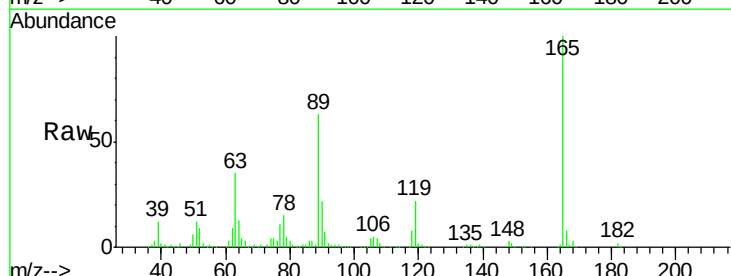
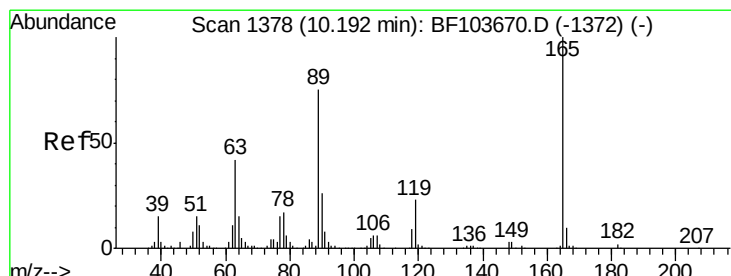
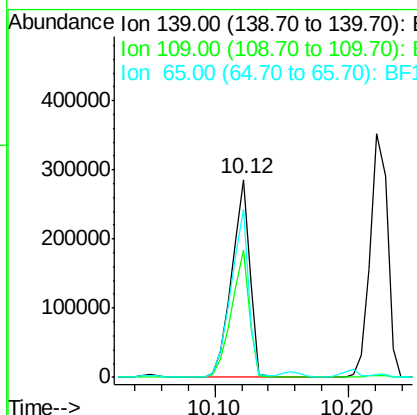
#55
4-Nitrophenol
Concen: 73.631 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.02 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	276870		
109	64.0	48.4	88.4	
65	85.3	72.6	112.6	

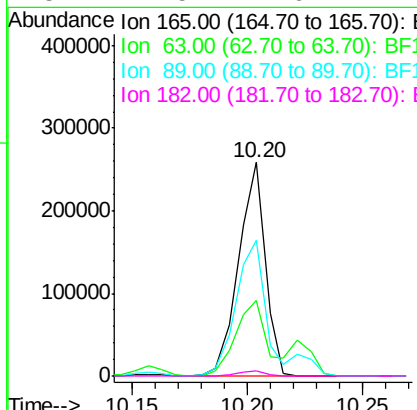
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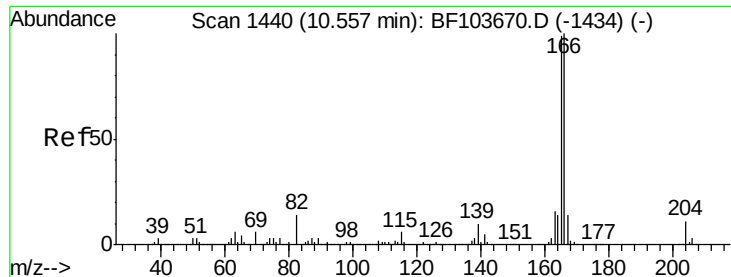
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#56
2,4-Dinitrotoluene
Concen: 42.289 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	209791		
63	35.2	36.4	54.6#	
89	63.4	57.8	86.6	
182	2.5	1.6	2.4#	





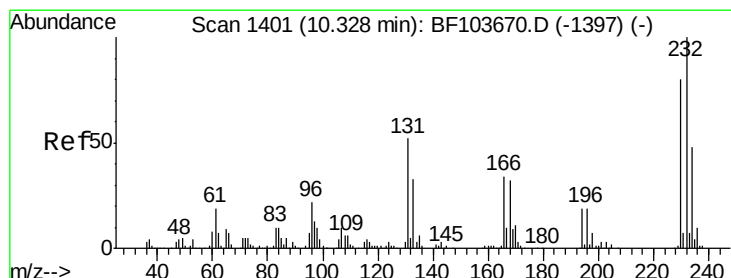
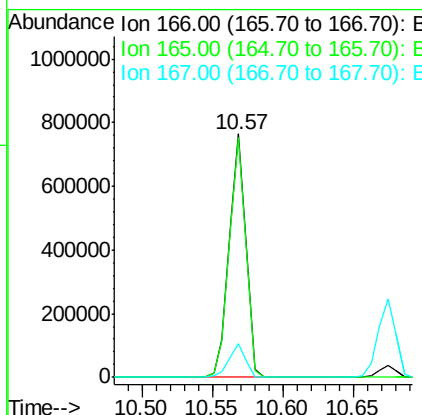
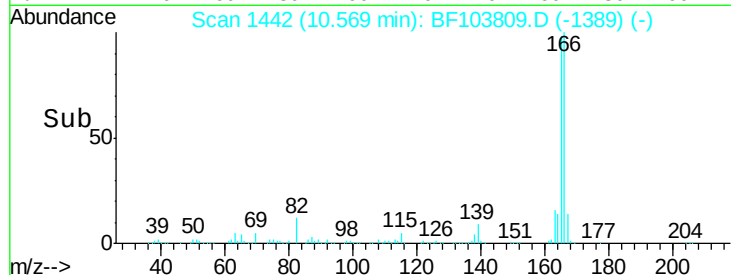
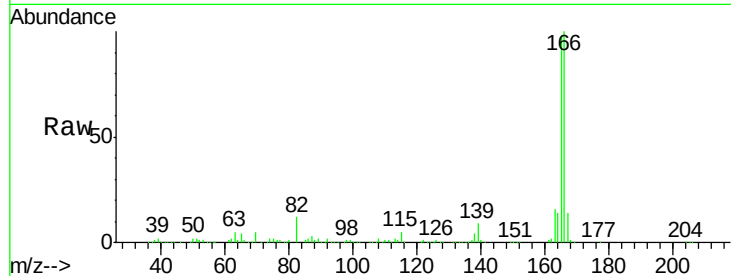
#57
 Fluorene
 Concen: 34.347 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Instrument :
 BNA_F
 ClientSampled :
 FS-SOILMSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	13.7	10.6	16.0

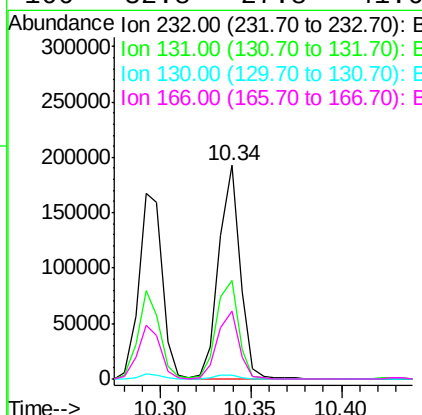
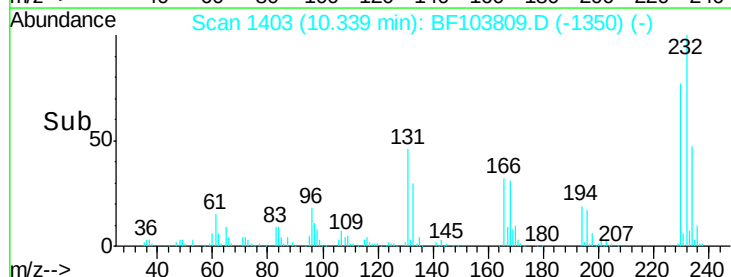
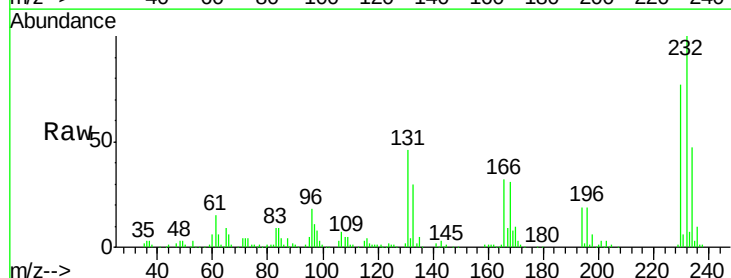
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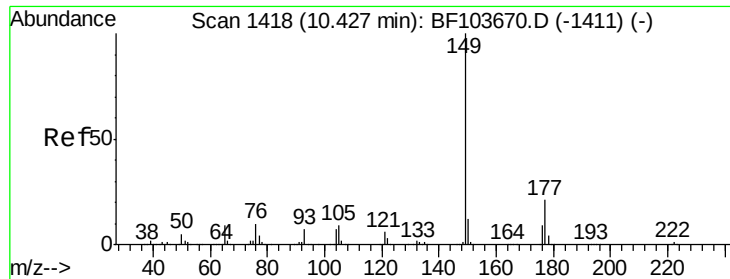
Sohil
 3/22/2018 12:57:38 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 39.695 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
232	100		
131	48.9	43.8	65.8
130	2.2	2.1	3.1
166	32.8	27.8	41.6





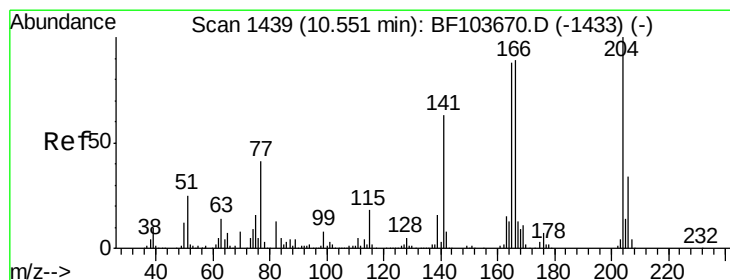
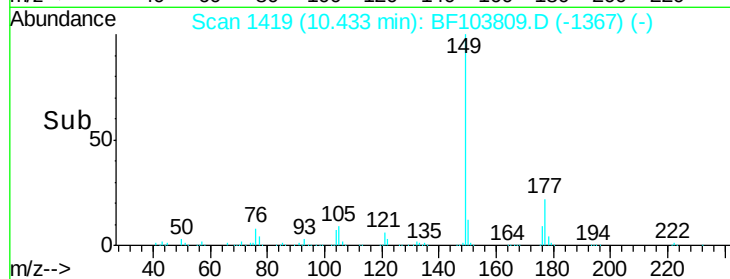
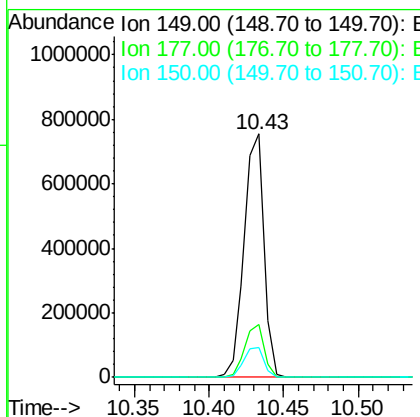
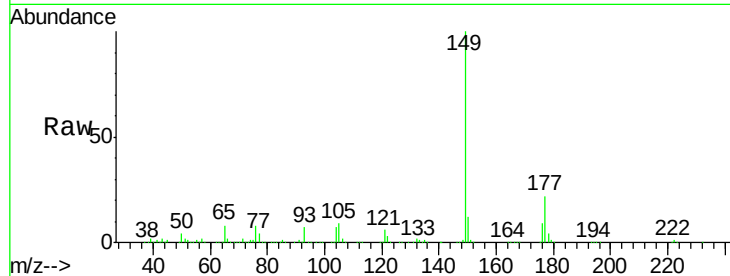
#59
Diethylphthalate
Concen: 34.056 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampled :
FS-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	698235		
177	21.6		16.1	24.1
150	12.1		10.1	15.1

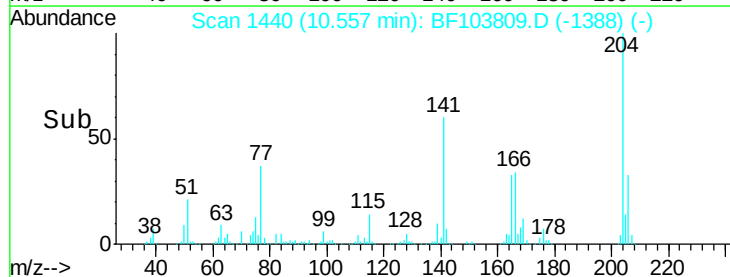
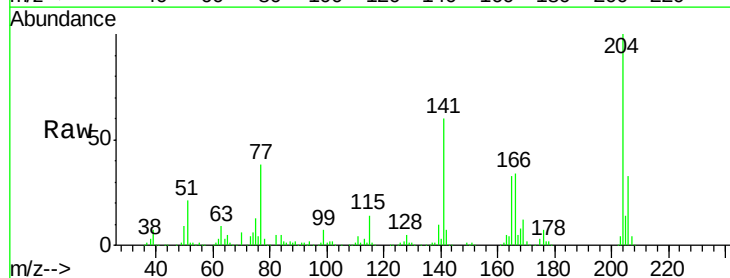
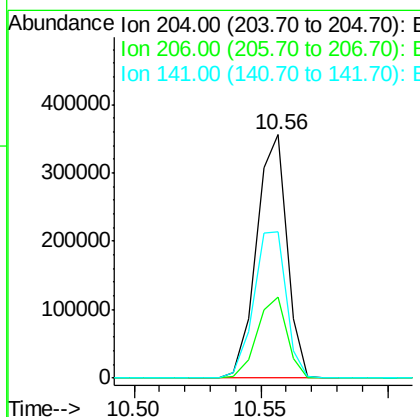
Manual Integrations
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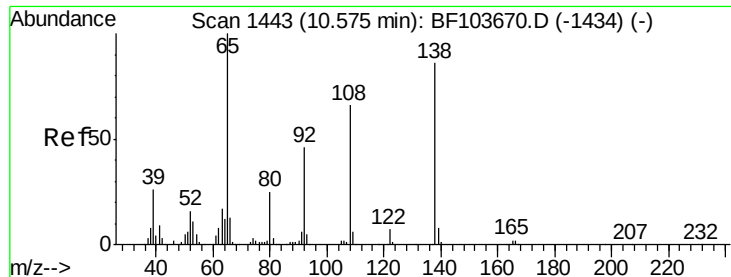
Sohil
3/22/2018 12:57:38 PM



#60
4-Chlorophenyl-phenylether
Concen: 35.740 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	298878		
206	33.1		26.5	39.7
141	60.0		54.6	81.8





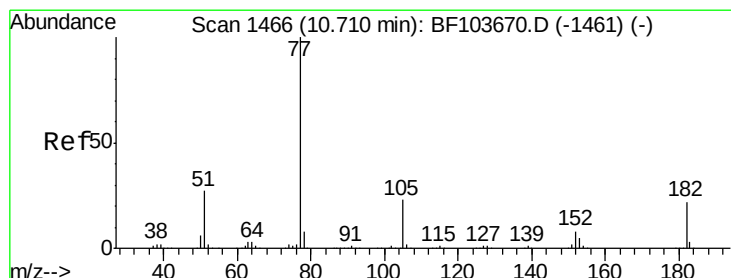
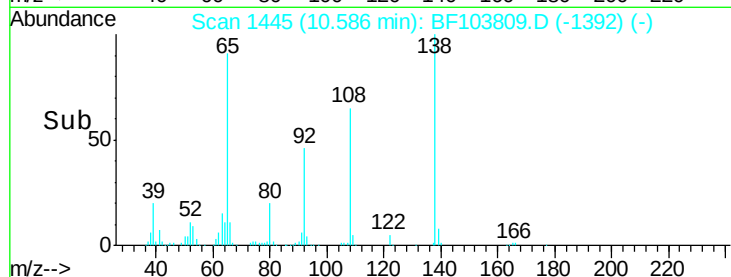
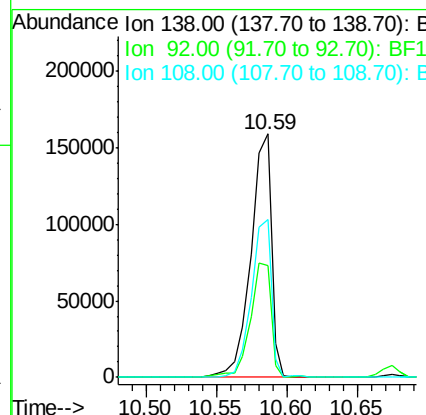
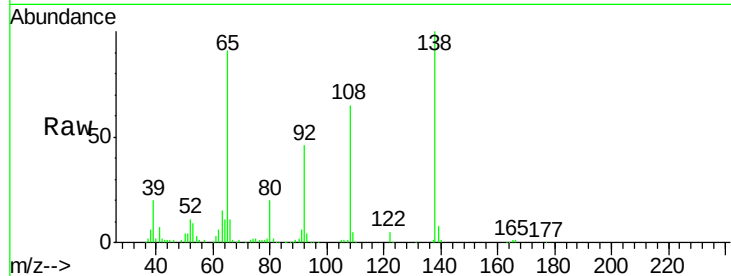
#61
4-Nitroaniline
Concen: 36.382 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampled :
FS-SOILMSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	45.8	30.2	70.2
108	65.0	52.5	92.5

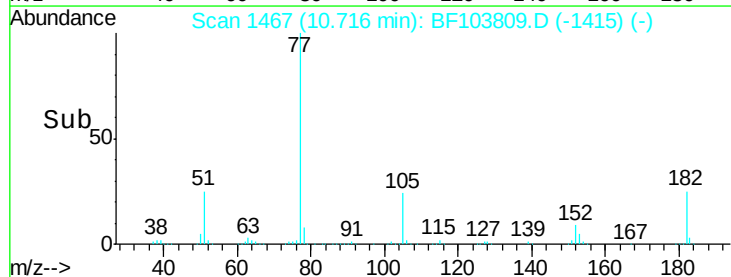
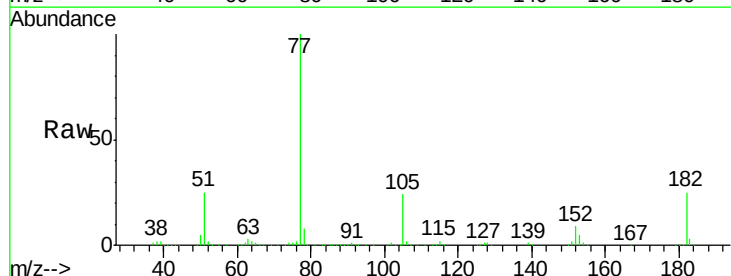
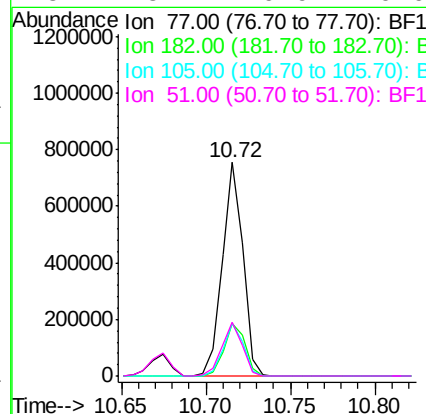
Manual Integrations
APPROVED

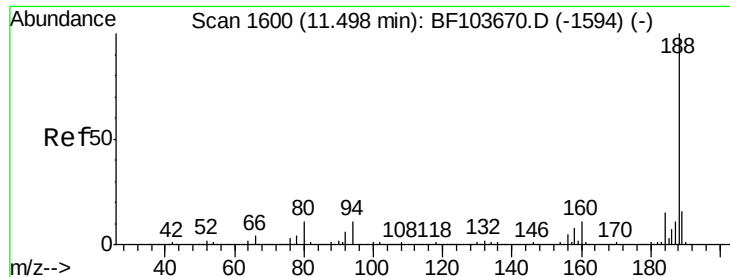
Sohil
3/22/2018 12:57:38 PM



#62
Azobenzene
Concen: 30.970 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.8	1.7	41.7
105	24.5	3.0	43.0
51	25.4	9.9	49.9





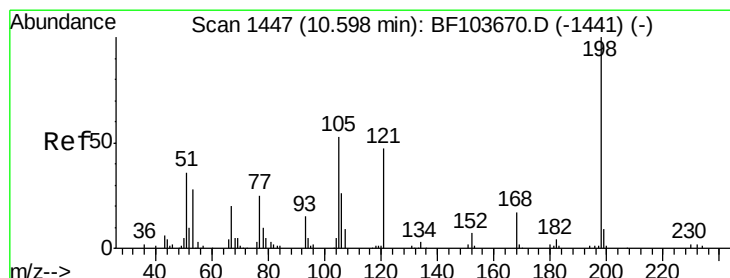
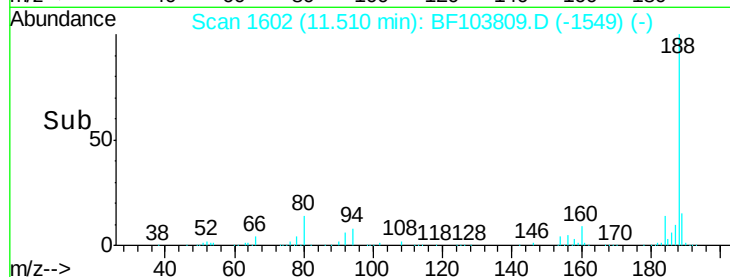
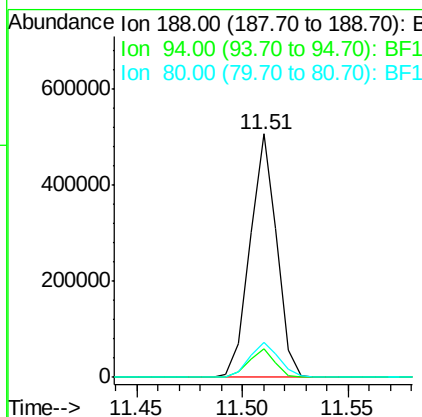
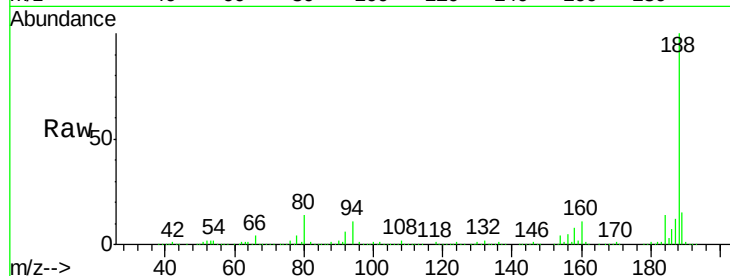
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMSD

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.5	8.5	12.7
80	14.2	9.2	13.8

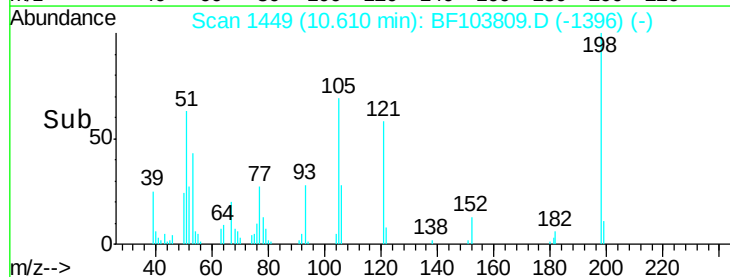
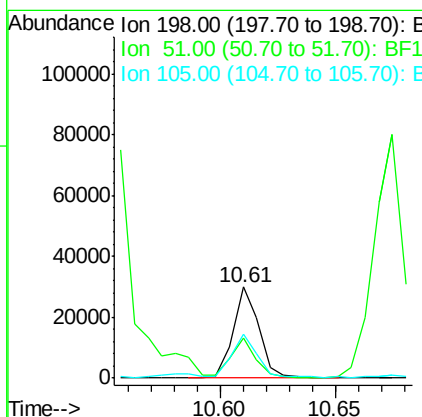
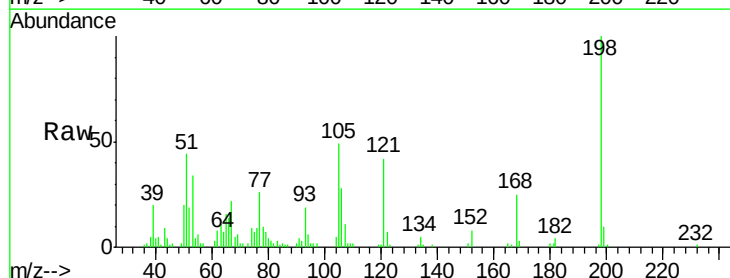
Manual Integrations
 APPROVED

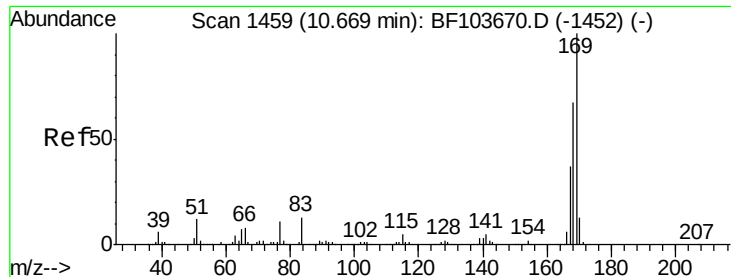
Sohil
 3/22/2018 12:57:38 PM



#64
 4,6-Dinitro-2-methylphenol
 Concen: 22.281 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	44.4	37.7	77.7
105	48.9	36.3	76.3





#65

n-Nitrosodiphenylamine

Concen: 38.299 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

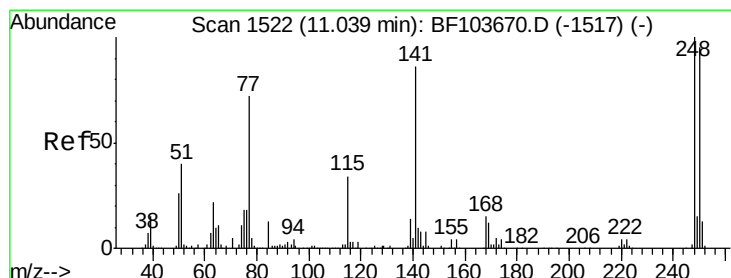
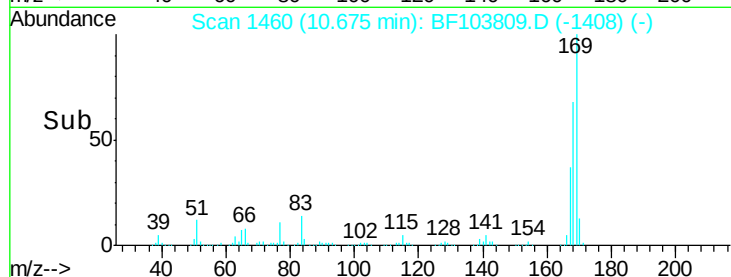
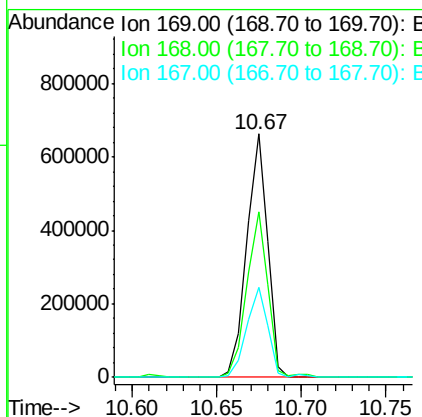
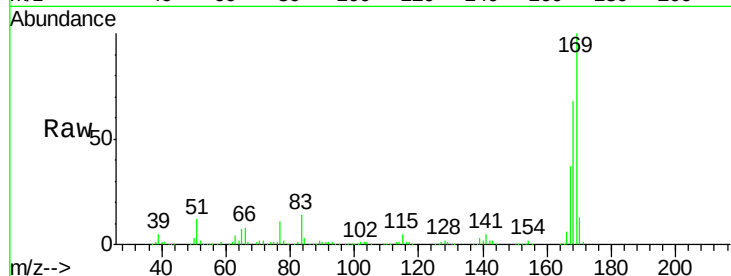
ClientSampleId :

FS-SOILMSD

Tot Ion:	169	Resp:	576657
Ion Ratio	Lower	Upper	
169	100		
168	68.0	54.4	81.6
167	36.9	29.8	44.6

Manual Integrations
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#66

4-Bromophenyl-phenylether

Concen: 39.258 ng

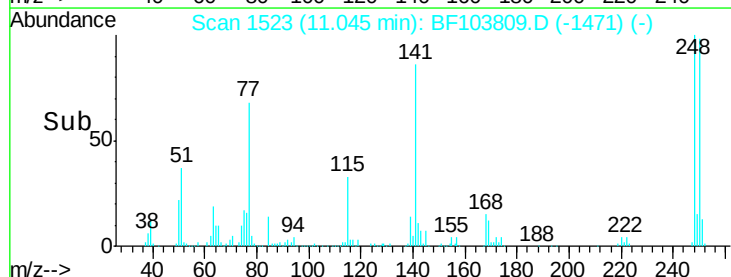
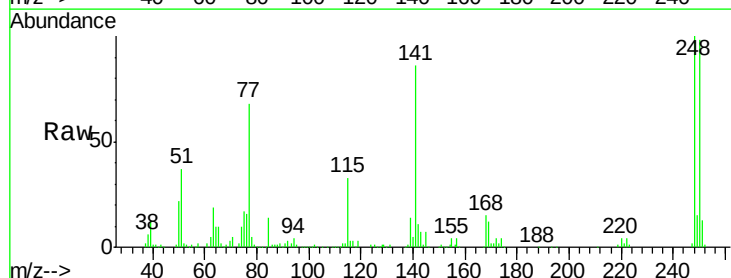
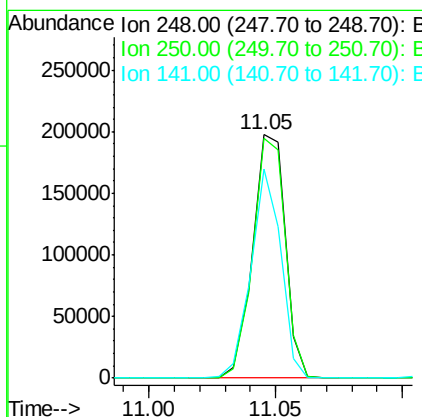
RT: 11.05 min Scan# 1523

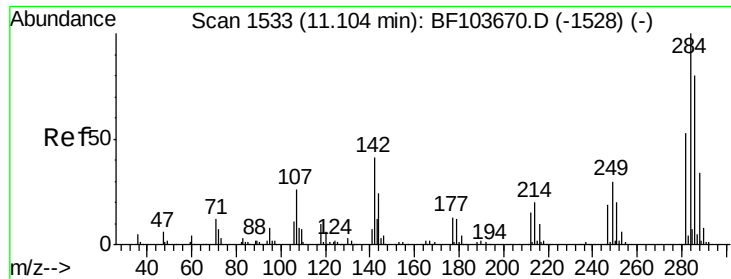
Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	248	Resp:	178303
Ion Ratio	Lower	Upper	
248	100		
250	98.3	76.9	115.3
141	86.1	74.4	111.6





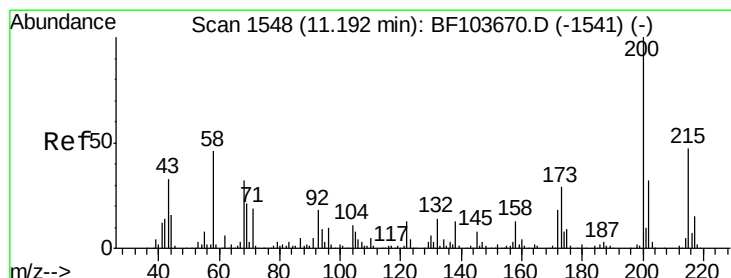
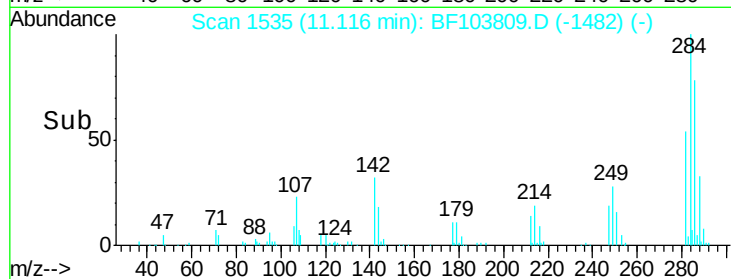
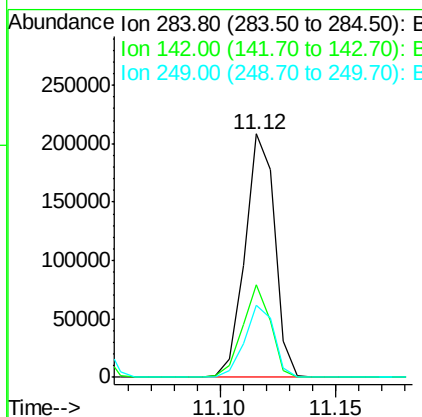
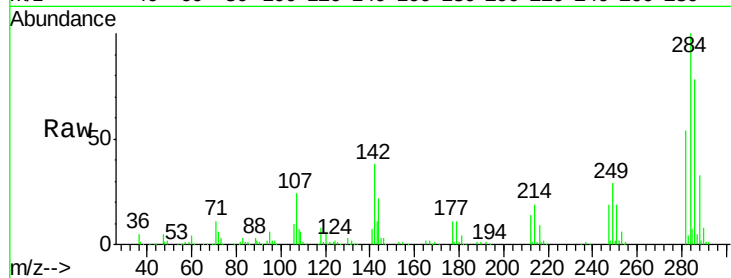
#67
Hexachlorobenzene
Concen: 36.254 ng
RT: 11.12 min Scan# 1535
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	187931		
142	38.2	34.6	52.0	
249	29.4	24.8	37.2	

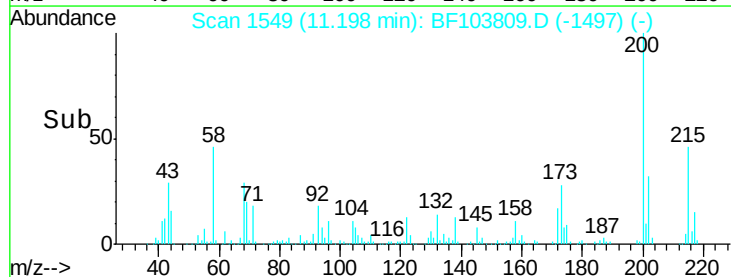
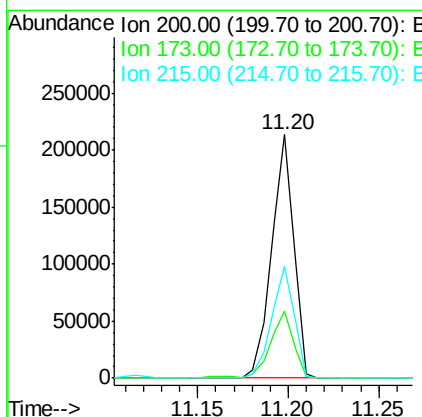
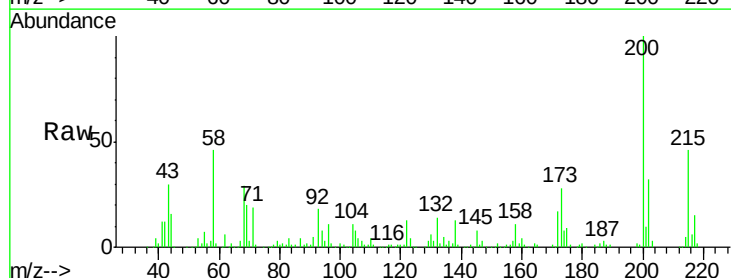
Manual Integrations
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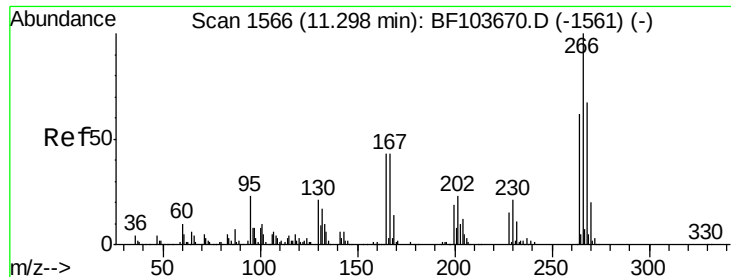
Sohil
3/22/2018 12:57:38 PM



#68
Atrazine
Concen: 38.781 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	180630		
173	27.7	8.6	48.6	
215	45.8	25.1	65.1	





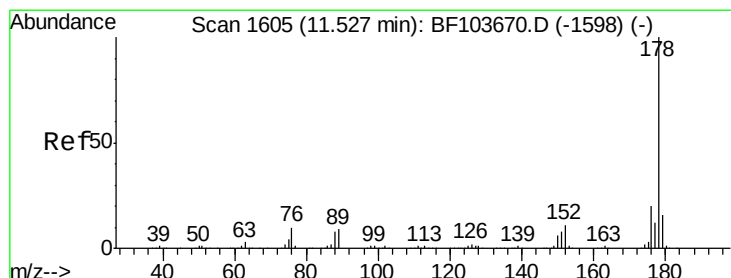
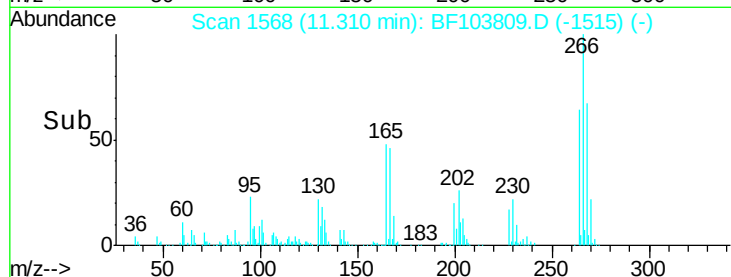
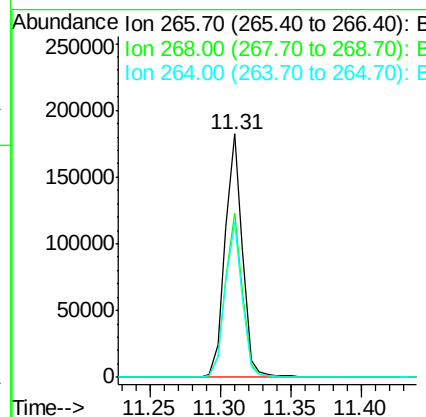
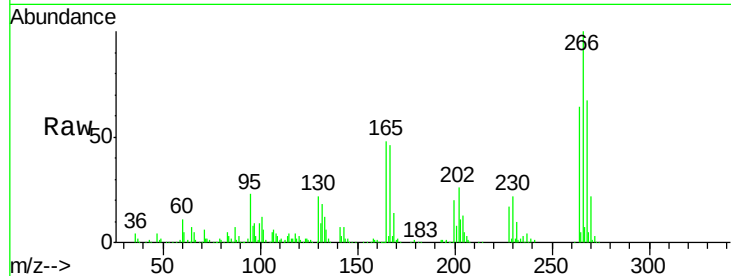
#69
 Pentachlorophenol
 Concen: 52.190 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	155537		
268	67.3	51.1	76.7	
264	63.6	49.5	74.3	

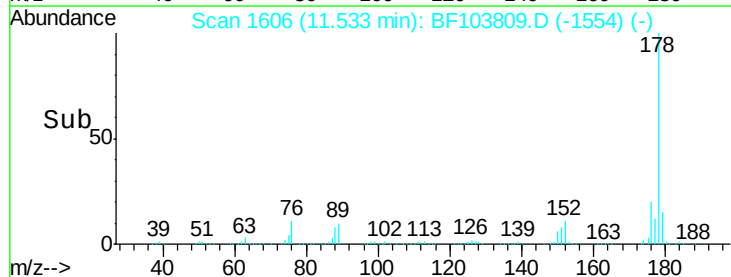
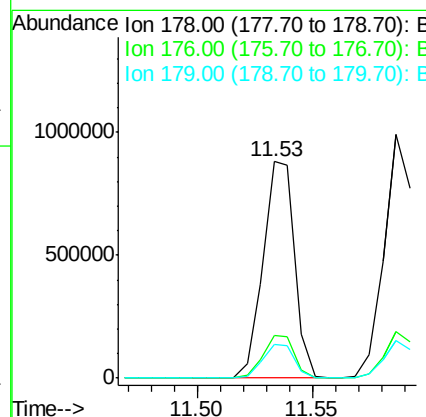
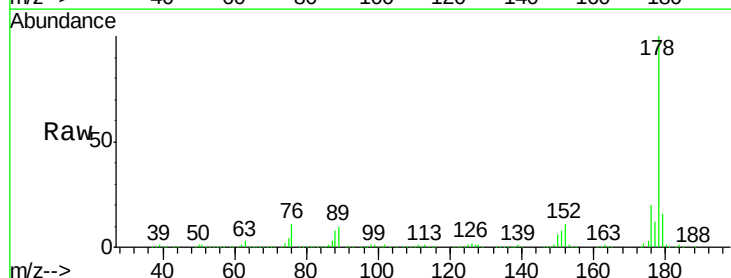
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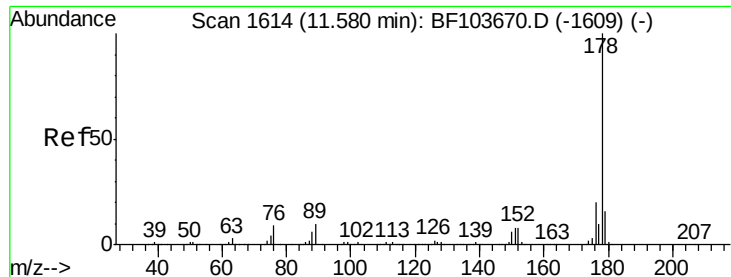
Sohil
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#70
 Phenanthrene
 Concen: 34.747 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	840796		
176	19.9	15.8	23.8	
179	15.6	13.0	19.6	





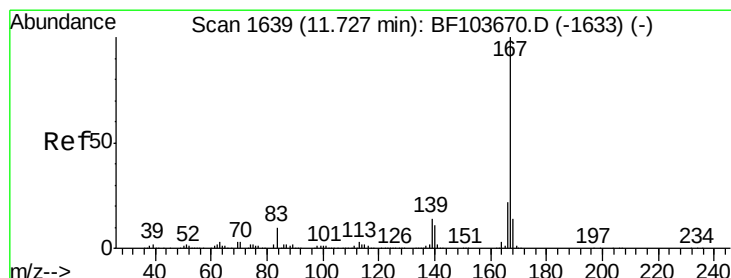
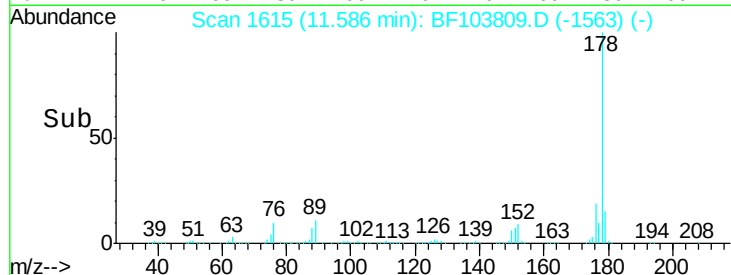
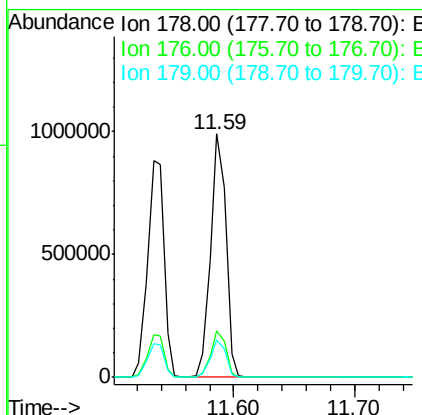
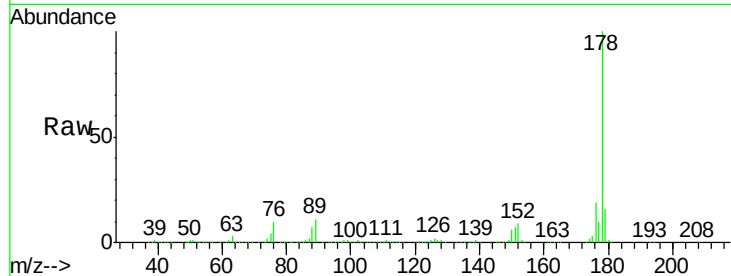
#71
 Anthracene
 Concen: 35.210 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.6	12.6	19.0

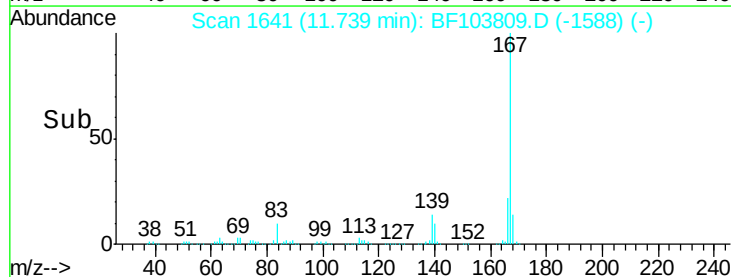
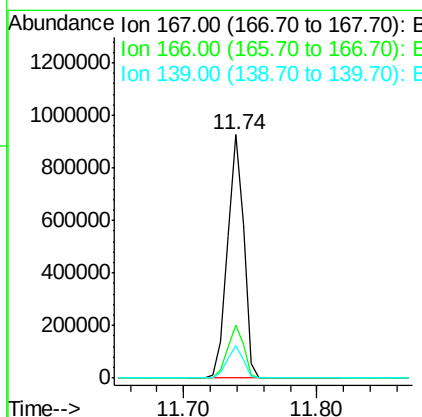
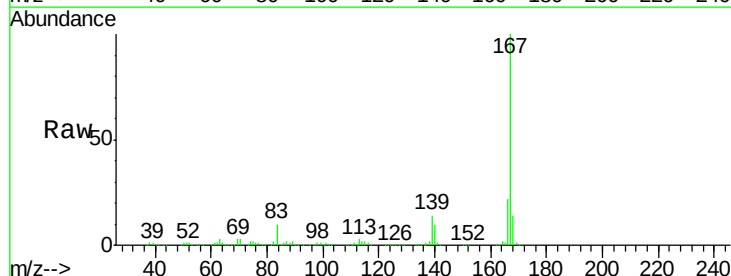
Manual Integrations
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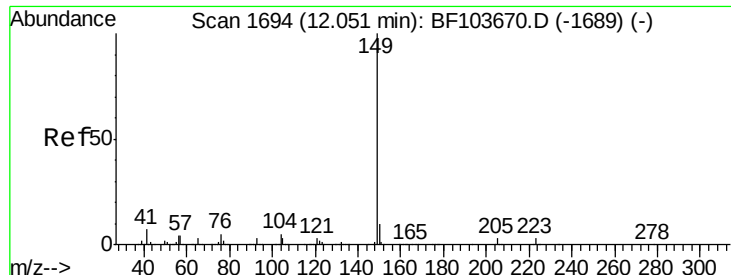
Sohil
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#72
 Carbazole
 Concen: 33.658 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	13.5	10.9	16.3





#73

Di-n-butylphthalate

Concen: 36.361 ng

RT: 12.06 min Scan# 1695

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

ClientSampleId :

FS-SOILMSD

Tot Ion:149 Resp: 1042180

Ion Ratio Lower Upper

149 100

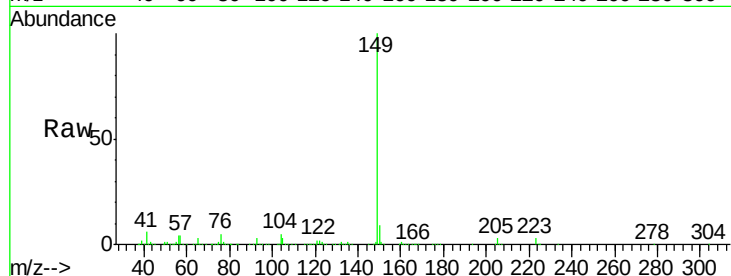
150 9.4 7.8 11.6

104 4.9 3.8 5.8

Manual Integrations
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Sohil

3/22/2018 12:57:38 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

12.06

1500000

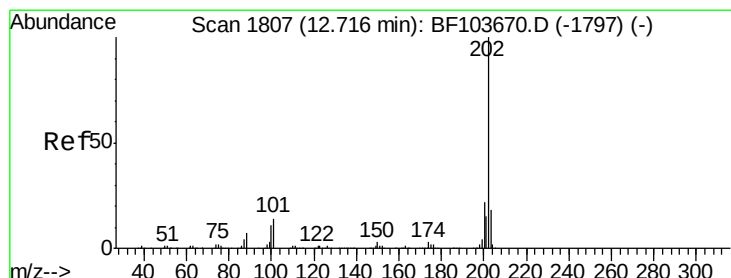
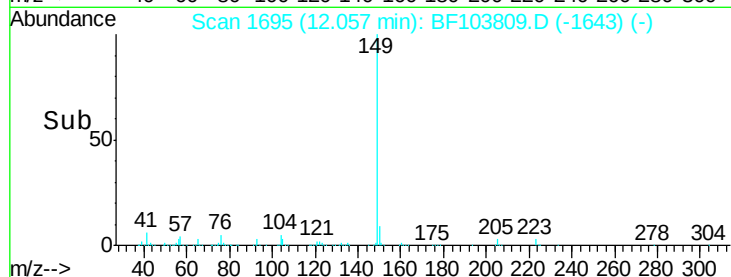
1000000

500000

0

Time-->

12.00 12.05 12.10



#74

Fluoranthene

Concen: 31.858 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

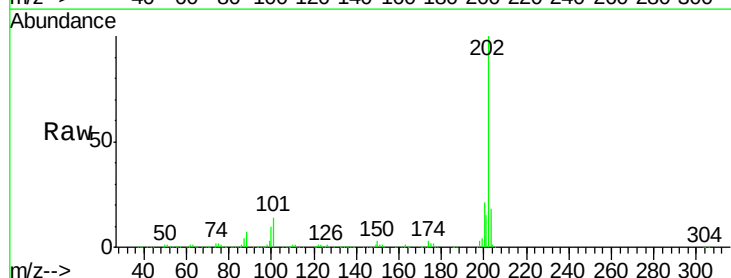
Tgt Ion:202 Resp: 794181

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

203 18.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.73

1200000

1000000

800000

600000

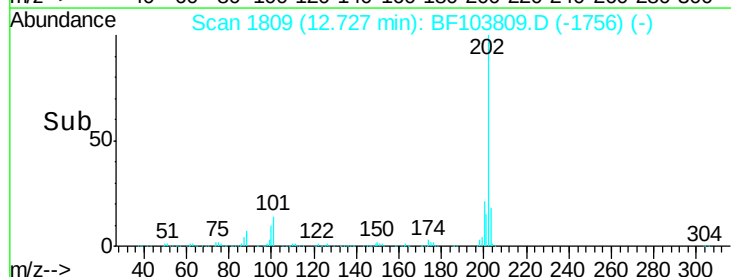
400000

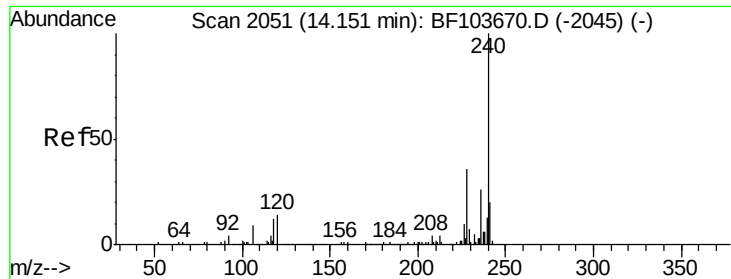
200000

0

Time-->

12.70 12.75 12.80





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

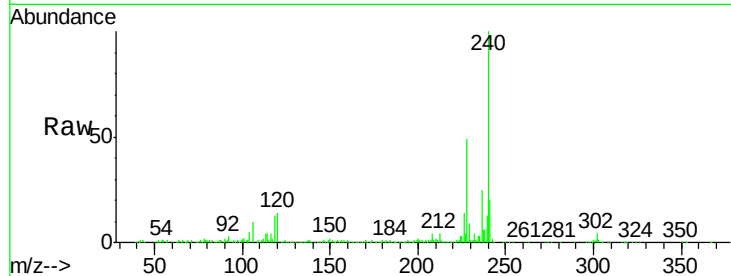
ClientSampleId :

FS-SOILMSD

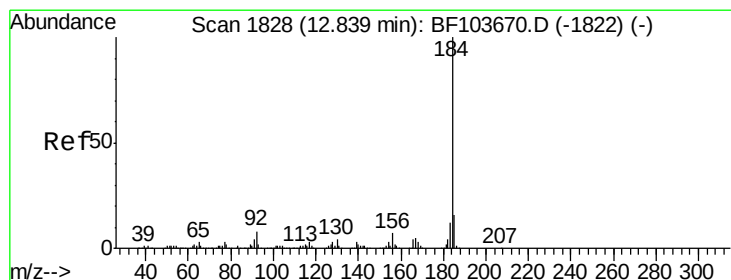
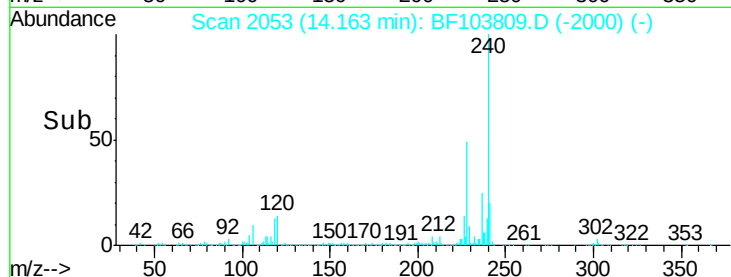
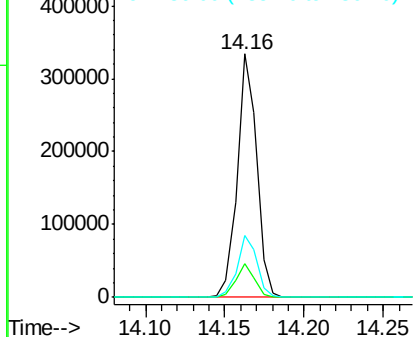
Tot Ion:	240	Resp:	284945
Ion Ratio		Lower	Upper
240	100		
120	14.0	9.5	14.3
236	25.5	20.7	31.1

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



#76

Benzidine

Concen: 27.907 ng

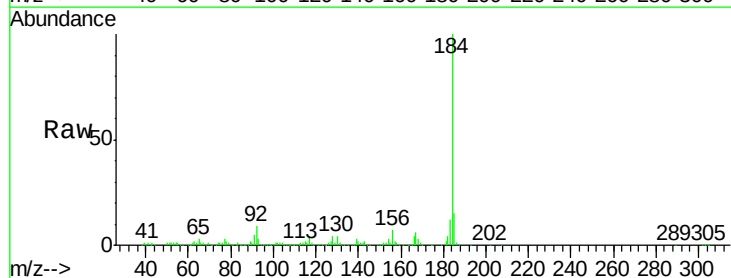
RT: 12.84 min Scan# 1829

Delta R.T. 0.01 min

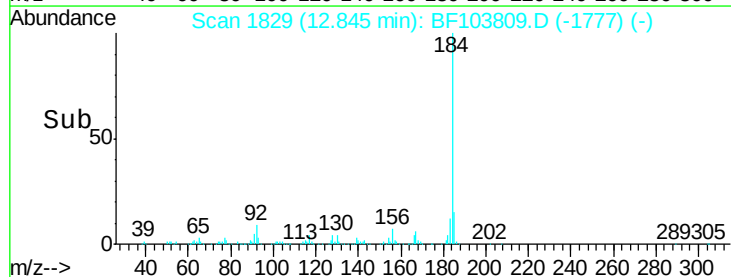
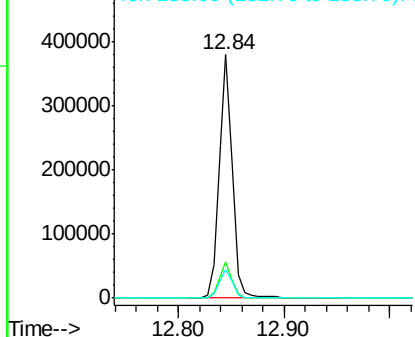
Lab File: BF103809.D

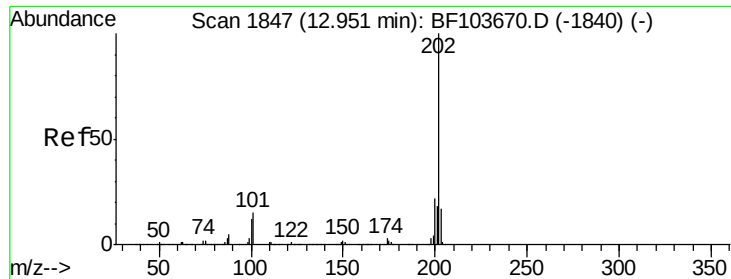
Acq: 20 Mar 2018 18:24

Tgt Ion:	184	Resp:	339155
Ion Ratio		Lower	Upper
184	100		
185	14.7	12.6	18.8
183	11.7	9.3	13.9



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





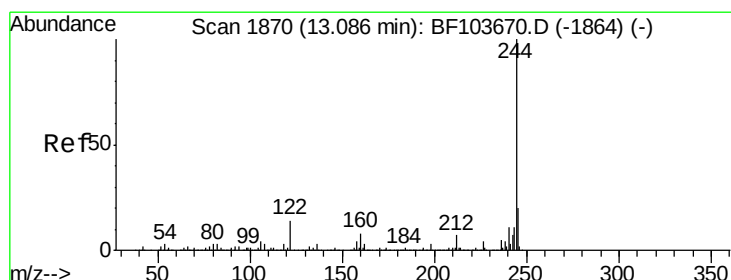
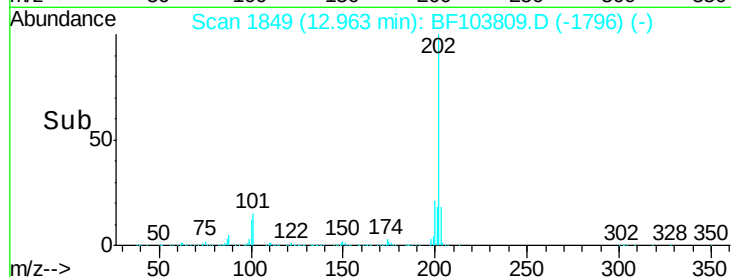
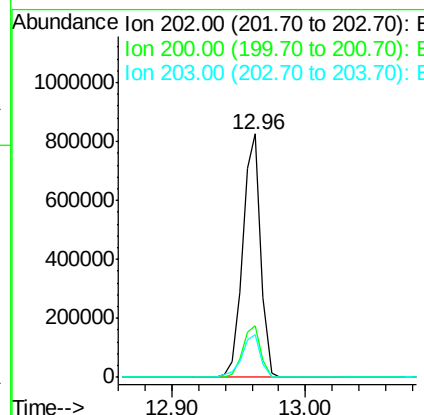
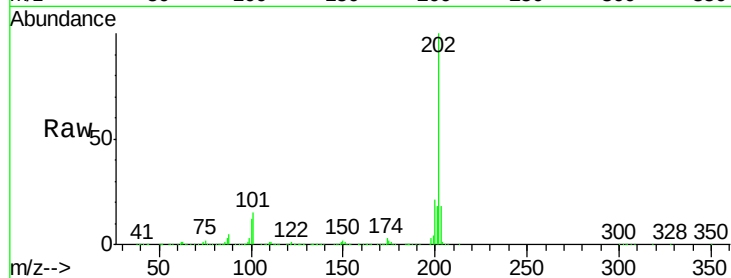
#77
Pvrene
Concen: 36.703 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5

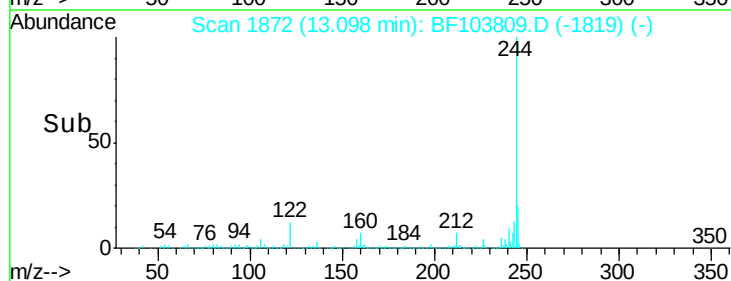
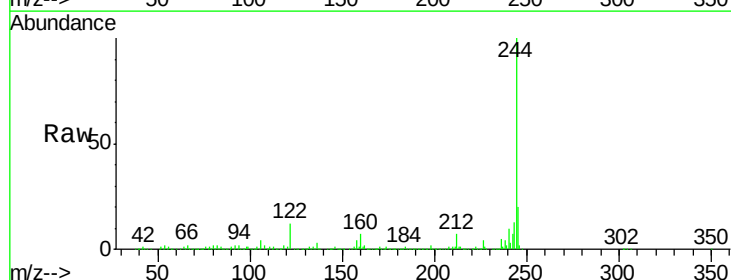
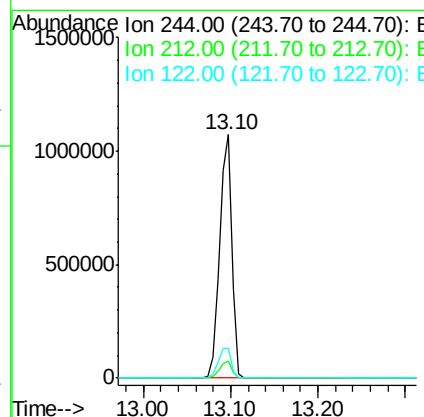
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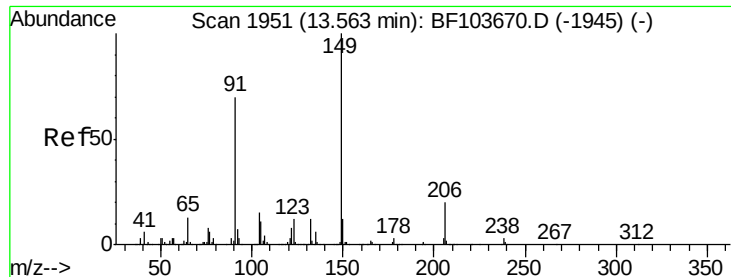
Sohil
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#78
Terphenyl-d14
Concen: 84.614 ng
RT: 13.10 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.1	11.0	16.4





#79

Butylbenzylphthalate

Concen: 40.985 ng

RT: 13.56 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

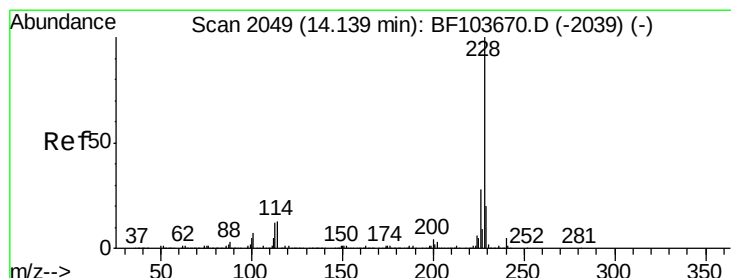
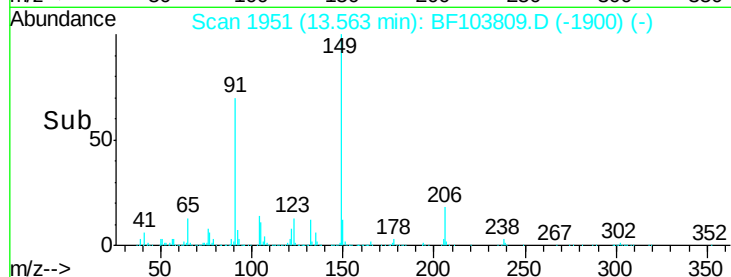
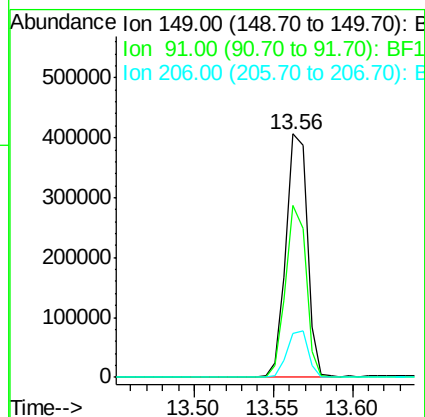
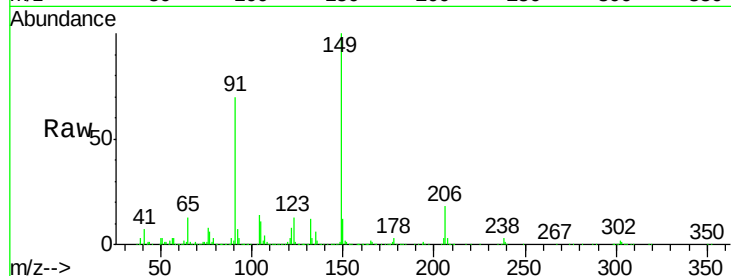
ClientSampleId :

FS-SOILMSD

Tot Ion:	149	Resp:	379991
Ion Ratio	Lower	Upper	
149	100		
91	70.5	56.8	85.2
206	18.1	14.1	21.1

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#80

Benzo(a)anthracene

Concen: 33.792 ng

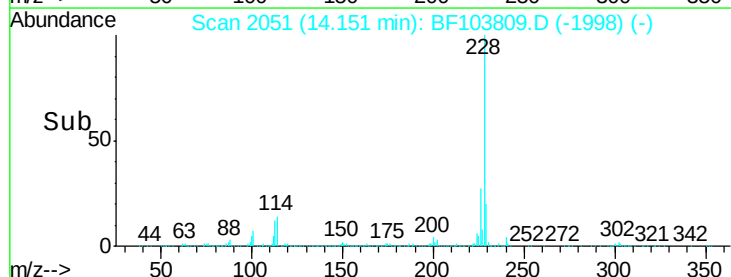
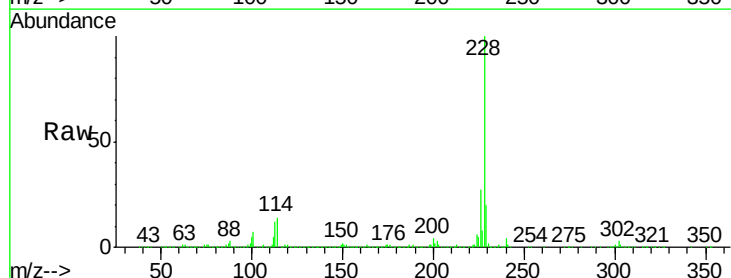
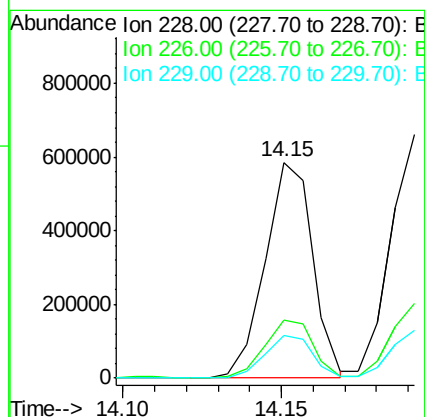
RT: 14.15 min Scan# 2051

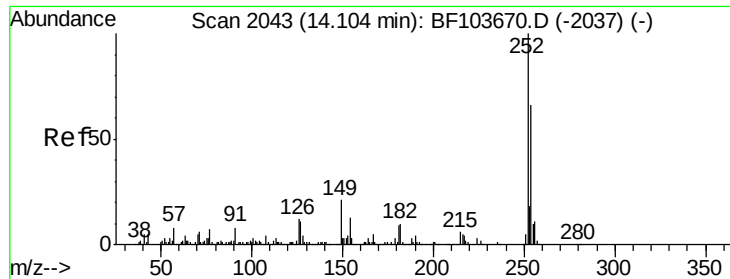
Delta R.T. 0.01 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	228	Resp:	609502
Ion Ratio	Lower	Upper	
228	100		
226	27.1	22.6	33.8
229	19.7	15.8	23.6





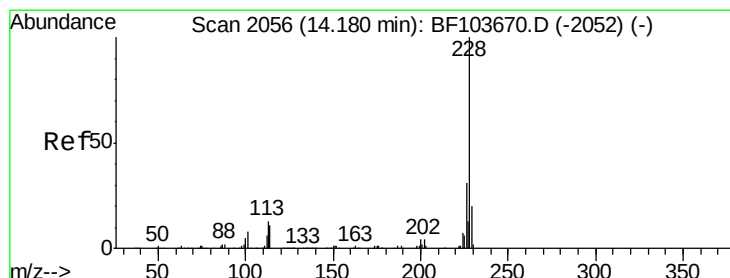
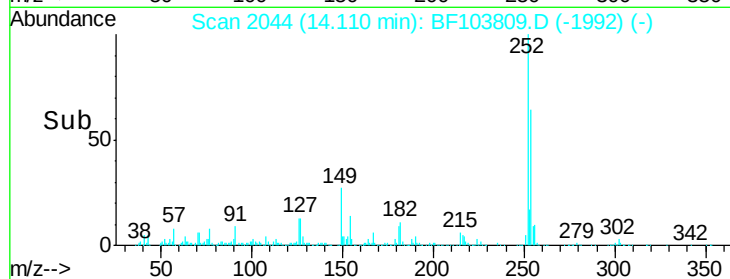
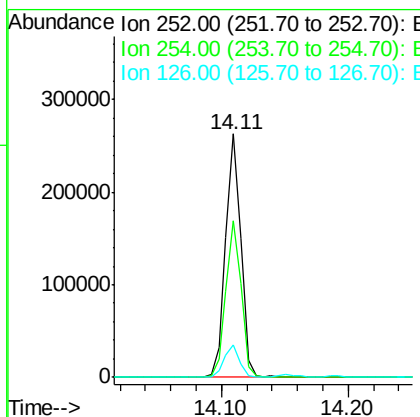
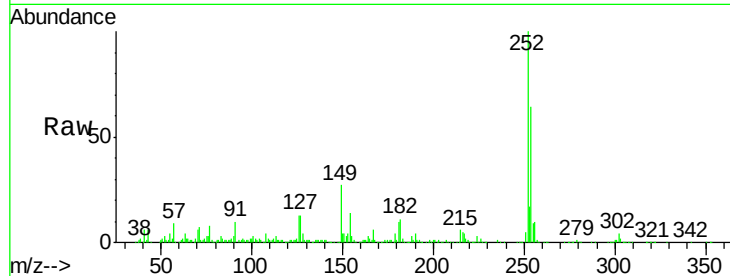
#81
 3,3'-Dichlorobenzidine
 Concen: 36.688 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	221348		
254	64.4	50.4	75.6	
126	13.3	11.3	16.9	

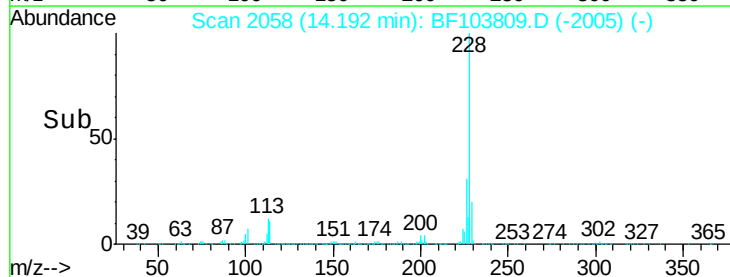
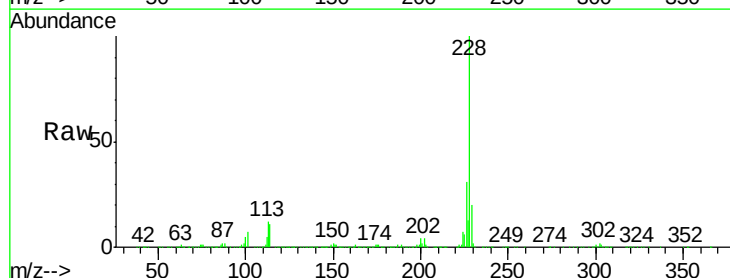
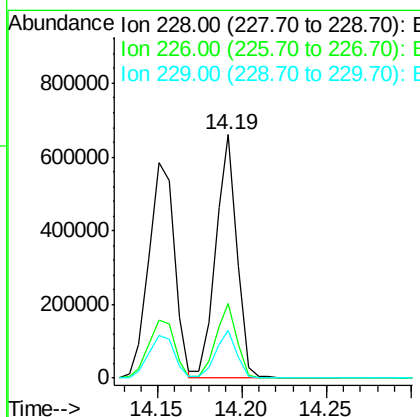
Manual Integrations
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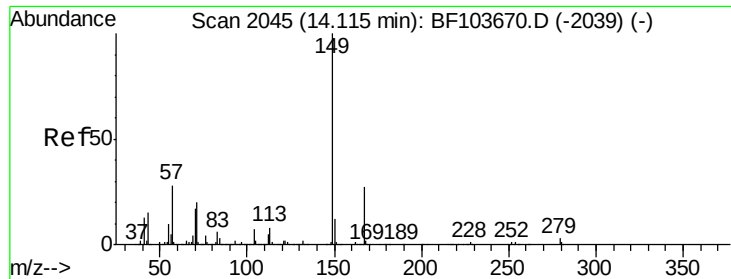
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#82
 Chrysene
 Concen: 33.452 ng
 RT: 14.19 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	575170		
226	30.9	25.0	37.6	
229	19.7	16.2	24.4	





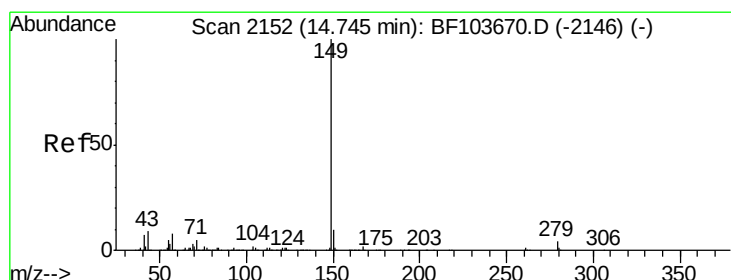
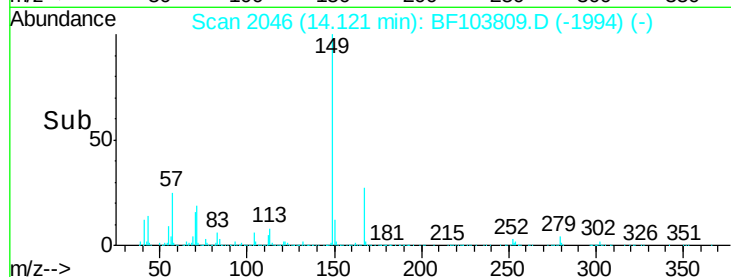
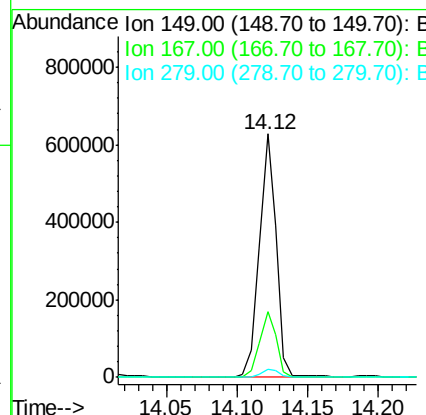
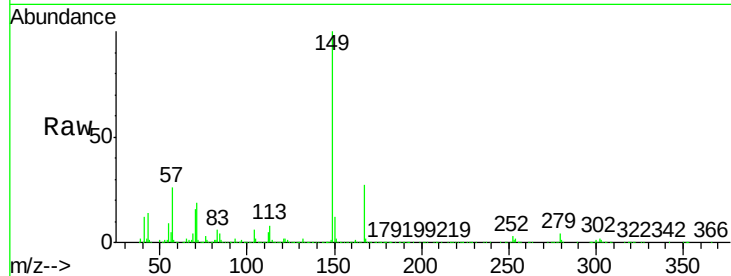
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 39.688 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.8	21.3	31.9	
279	3.5	3.0	4.4	

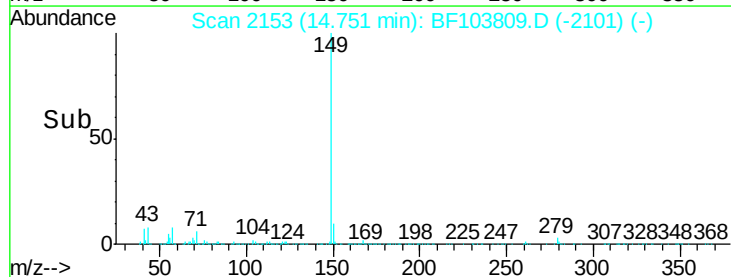
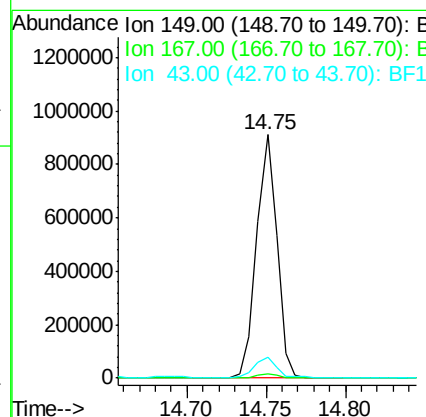
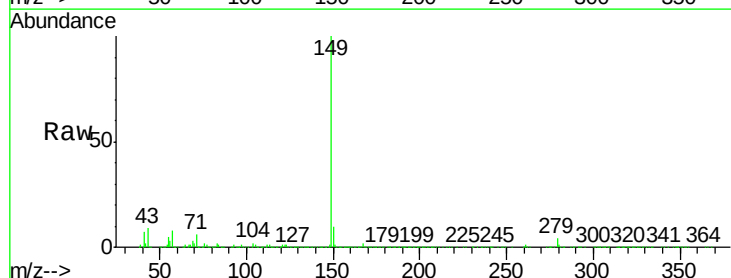
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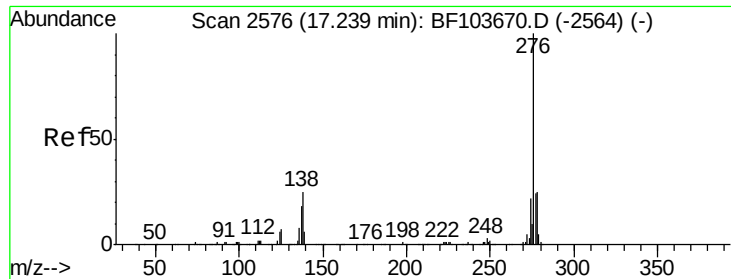
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#84
 Di-n-octyl phthalate
 Concen: 42.272 ng
 RT: 14.75 min Scan# 2153
 Delta R.T. 0.01 min
 Lab File: BF103809.D
 Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.5	1.2	1.8	
43	8.3	8.4	12.6	





#85

Indeno(1,2,3-cd)pyrene

Concen: 33.875 ng

RT: 17.29 min Scan# 2584

Delta R.T. 0.05 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

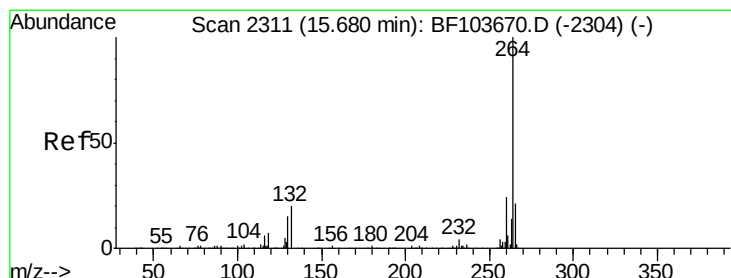
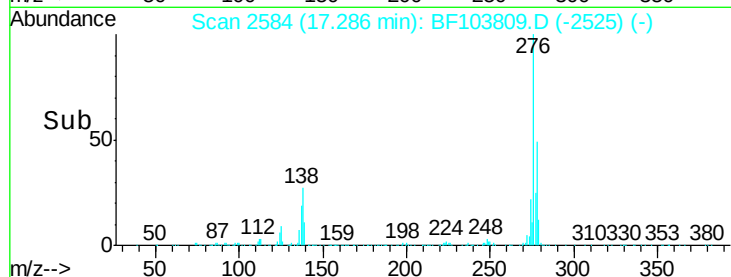
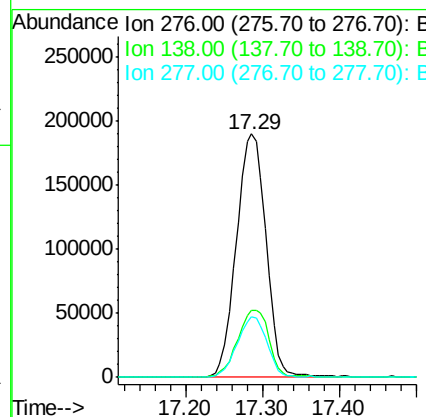
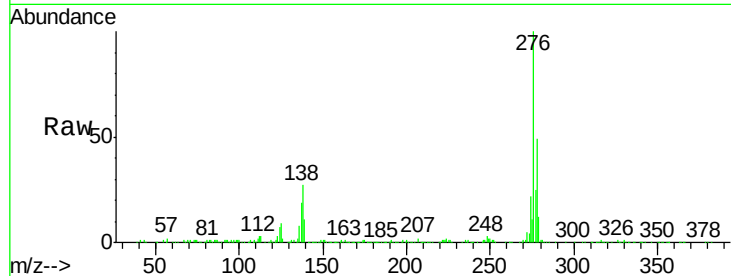
ClientSampleId :

FS-SOILMSD

Tot Ion:	276	Resp:	508636
Ion Ratio	Lower	Upper	
276	100		
138	28.8	25.0	37.6
277	25.4	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

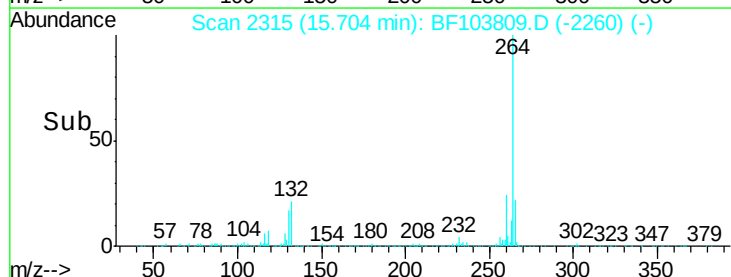
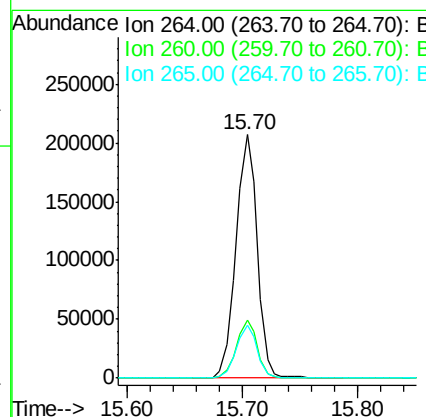
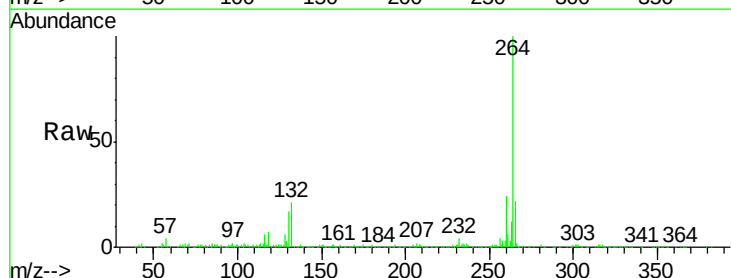
RT: 15.70 min Scan# 2315

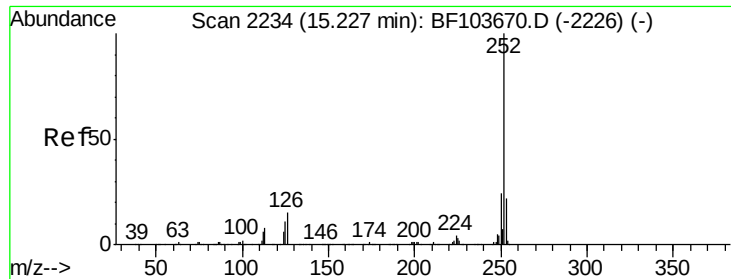
Delta R.T. 0.02 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	264	Resp:	263509
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 34.855 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

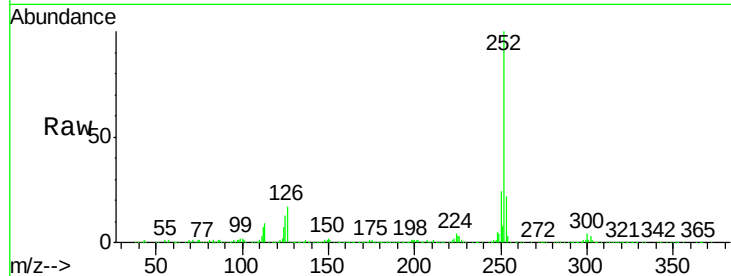
ClientSampleId :

FS-SOILMSD

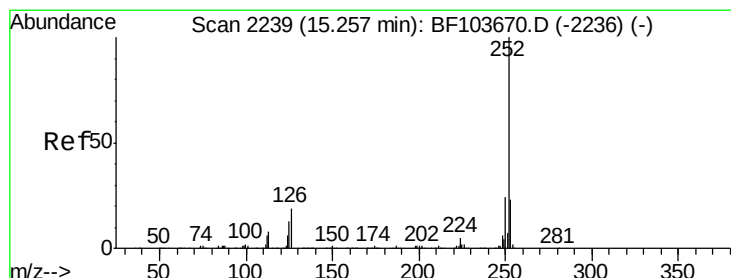
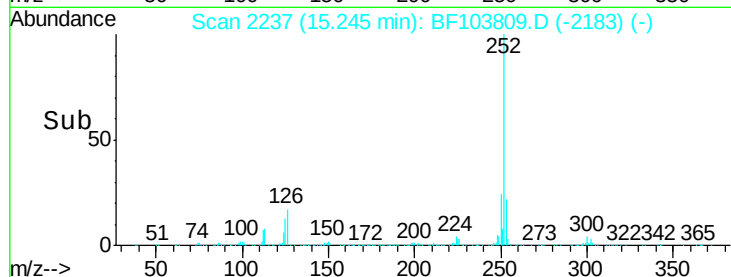
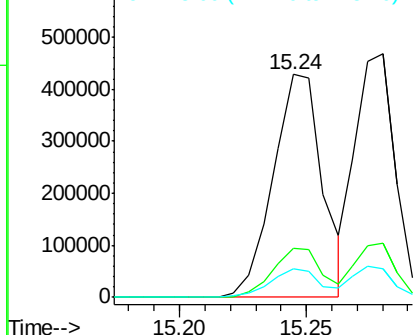
Tot Ion:	252	Resp:	580269
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	13.1	9.0	13.6

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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



#88

Benzo(k)fluoranthene

Concen: 32.033 ng

RT: 15.28 min Scan# 2243

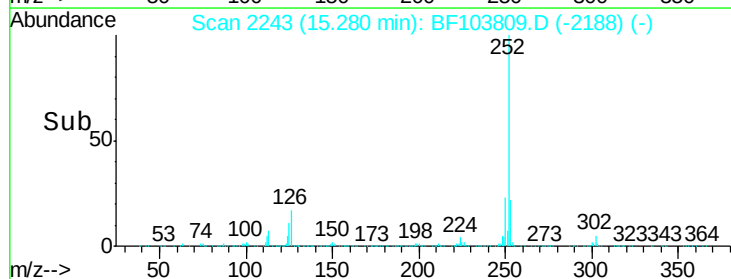
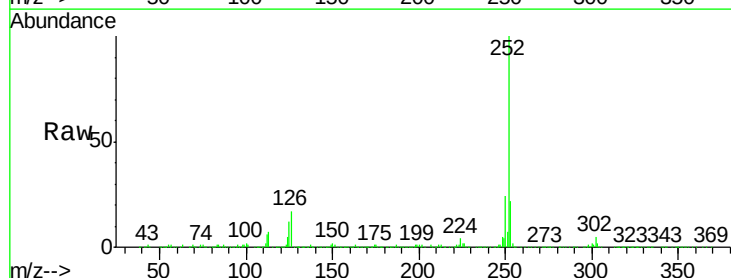
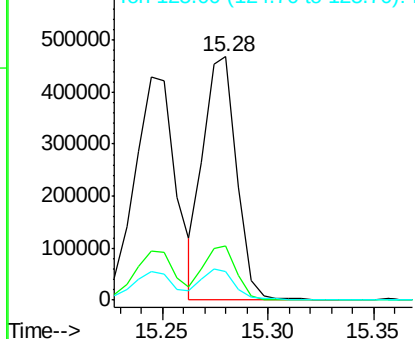
Delta R.T. 0.02 min

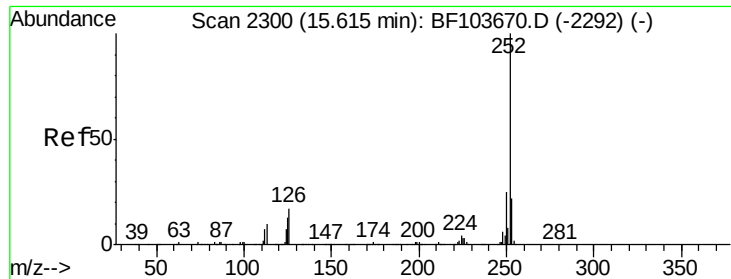
Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Tgt Ion:	252	Resp:	512620
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	11.8	10.2	15.2

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





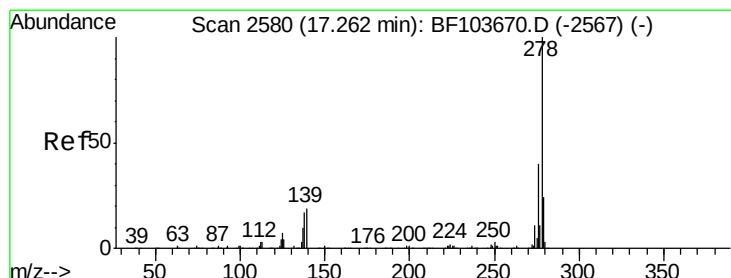
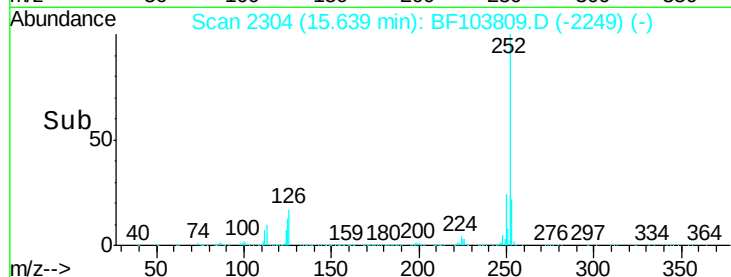
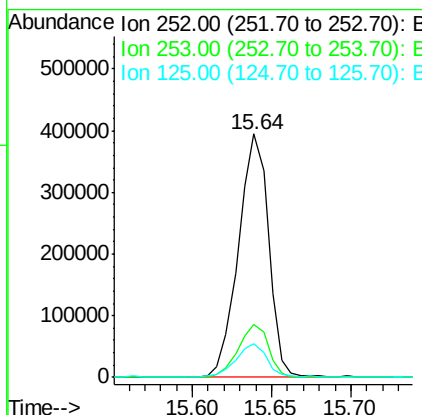
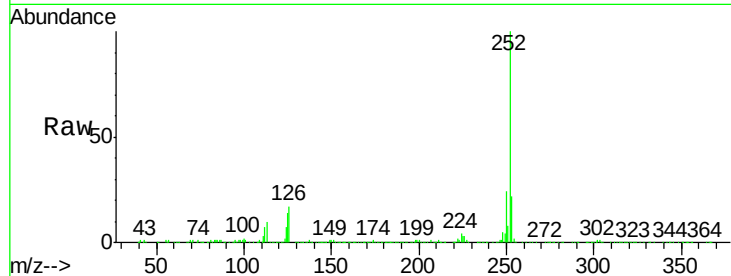
#89
Benzo(a)pyrene
Concen: 34.572 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Instrument :
BNA_F
ClientSampleId :
FS-SOILMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	13.8	9.8	14.6

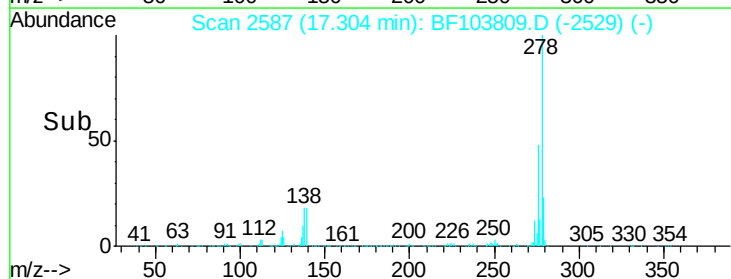
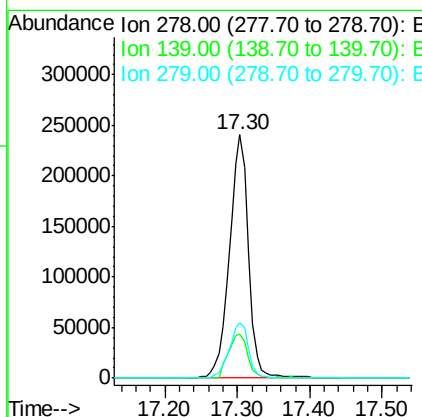
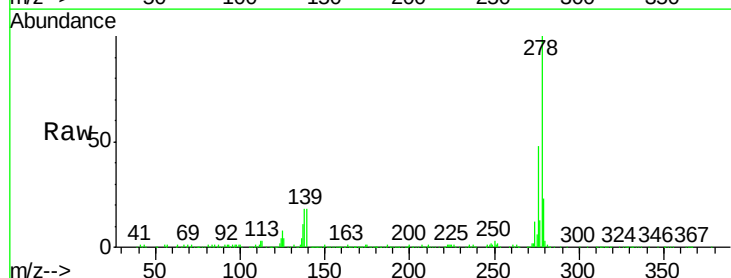
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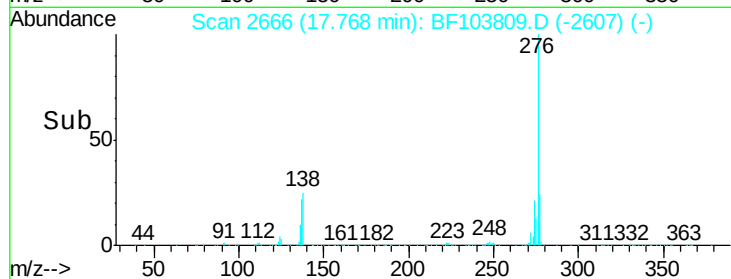
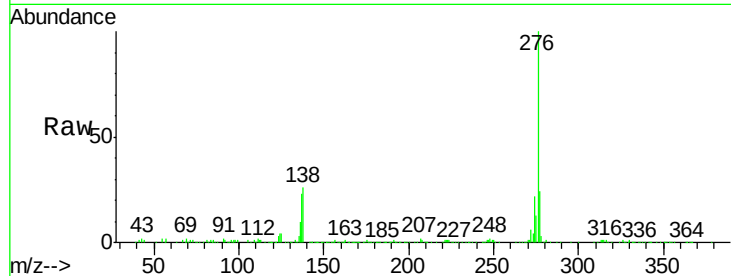
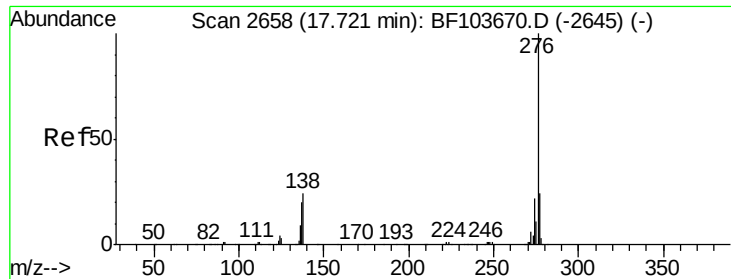
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#90
Dibenzo(a,h)anthracene
Concen: 33.478 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.04 min
Lab File: BF103809.D
Acq: 20 Mar 2018 18:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.1	15.9	23.9
279	22.9	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 30.932 ng

RT: 17.77 min Scan# 2666

Delta R.T. 0.05 min

Lab File: BF103809.D

Acq: 20 Mar 2018 18:24

Instrument :

BNA_F

ClientSampleId :

FS-SOILMSD

Tot Ion:	276	Resp:	393451
Ion Ratio	Lower	Upper	
276	100		
277	23.9	17.9	26.9
138	25.6	21.8	32.8

Manual Integrations
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