

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070219\
 Data File : BF115377.D
 Acq On : 2 Jul 2019 23:07
 Operator : HP/JU
 Sample : K3629-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Quant Time: Jul 03 05:57:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	226578	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	883963	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	422356	20.00	ng	0.01
64) Phenanthrene-d10	11.11	188	810723	20.00	ng	0.02
76) Chrysene-d12	13.74	240	472620	20.00	ng	0.02
87) Perylene-d12	15.11	264	502739	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	990848	67.48	ng	0.02
7) Phenol-d6	6.25	99	1285975	72.16	ng	0.01
23) Nitrobenzene-d5	7.17	82	769190	53.53	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	338310	75.96	ng	0.02
45) 2-Fluorobiphenyl	8.97	172	1470527	59.14	ng	0.00
79) Terphenyl-d14	12.70	244	1474392	66.33	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.23	88	126991	18.326	ng	99
3) Pyridine	2.88	79	200933	10.288	ng	98
4) n-Nitrosodimethylamine	2.81	42	147083	19.210	ng	95
6) Aniline	6.26	93	324005	13.229	ng	# 1
8) 2-Chlorophenol	6.39	128	391276	23.700	ng	100
9) Benzaldehyde	6.14	77	229177	19.711	ng	98
10) Phenol	6.26	94	470401	22.534	ng	90
11) bis(2-Chloroethyl)ether	6.35	93	350242	22.761	ng	98
12) 1,3-Dichlorobenzene	6.55	146	419381	22.888	ng	98
13) 1,4-Dichlorobenzene	6.62	146	431639	23.492	ng	99
14) 1,2-Dichlorobenzene	6.78	146	405668	23.841	ng	98
15) Benzyl Alcohol	6.75	79	275030	21.194	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.90	45	484638	21.715	ng	96
17) 2-Methylphenol	6.87	107	323798	23.760	ng	99
18) Hexachloroethane	7.12	117	143321	21.637	ng	99
19) n-Nitroso-di-n-propylamine	7.02	70	249616	21.878	ng	98
20) 3+4-Methylphenols	7.02	107	392791	24.962	ng	# 84
22) Acetophenone	7.02	105	534812	26.428	ng	# 94
24) Nitrobenzene	7.19	77	392051	24.765	ng	98
25) Isophorone	7.43	82	688148	23.377	ng	99
26) 2-Nitrophenol	7.51	139	208783	26.705	ng	98
27) 2,4-Dimethylphenol	7.55	122	328355	25.652	ng	99
28) bis(2-Chloroethoxy)methane	7.65	93	449463	24.157	ng	100
29) 2,4-Dichlorophenol	7.75	162	338134	25.597	ng	96
30) 1,2,4-Trichlorobenzene	7.84	180	363613	24.920	ng	98
31) Naphthalene	7.91	128	1118362	25.774	ng	98
32) Benzoic acid	7.55	122	328355	35.937	ng	# 15
33) 4-Chloroaniline	7.96	127	313486	15.808	ng	100
34) Hexachlorobutadiene	8.04	225	195084	24.397	ng	98
35) Caprolactam	8.34	113	15776	3.552	ng	97
36) 4-Chloro-3-methylphenol	8.45	107	338696	25.317	ng	99
37) 2-Methylnaphthalene	8.60	142	756686	25.864	ng	98
38) 1-Methylnaphthalene	8.70	142	710834	25.439	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.77	216	338989	28.403	ng	98

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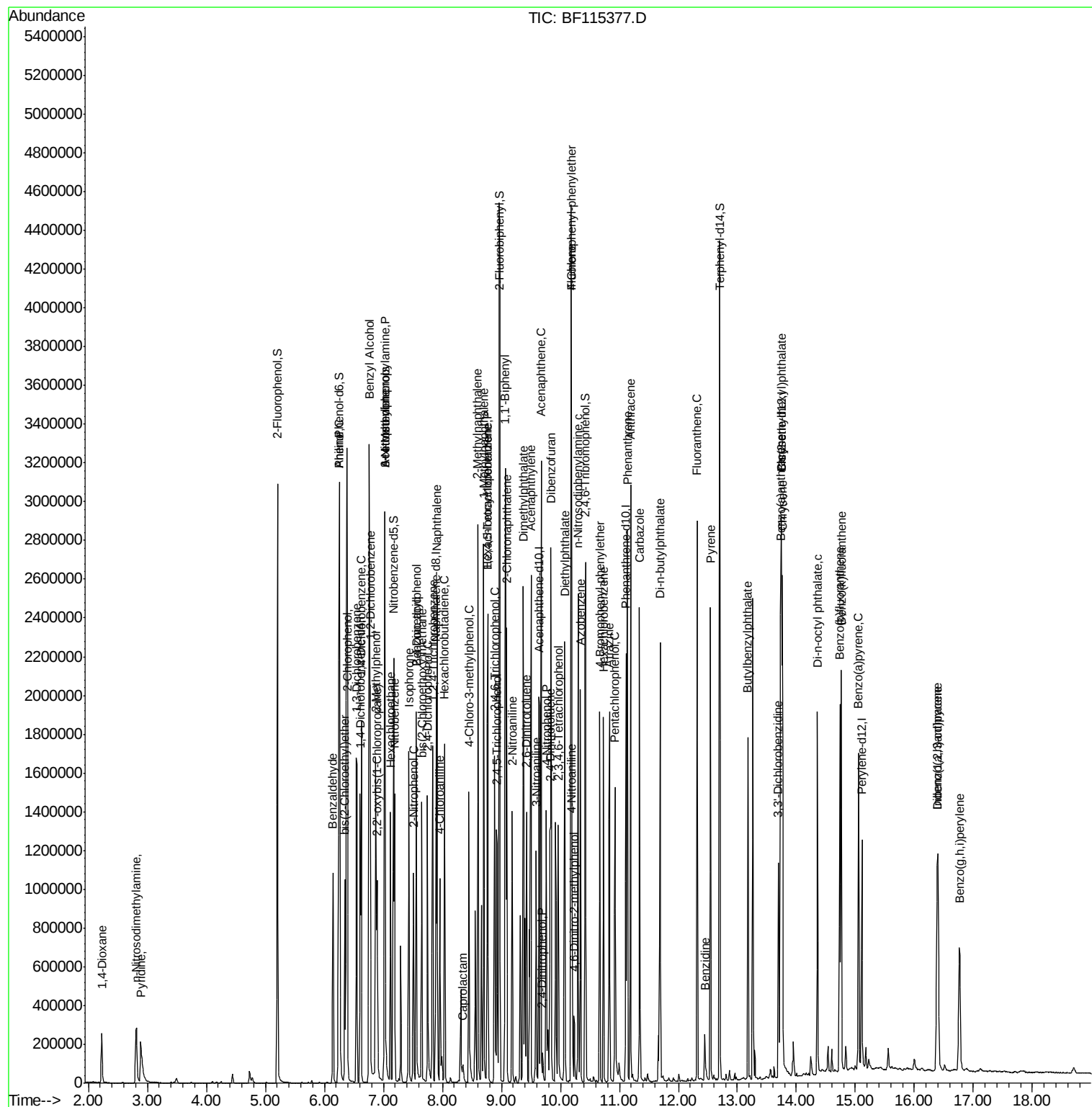
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.76	237	209231	29.565	ng	98
43) 2,4,6-Trichlorophenol	8.88	196	228703	24.821	ng	100
44) 2,4,5-Trichlorophenol	8.92	196	251900	26.547	ng	96
46) 1,1'-Biphenyl	9.07	154	900969	26.660	ng	99
47) 2-Chloronaphthalene	9.09	162	711251	25.946	ng	100
48) 2-Nitroaniline	9.18	65	207252	25.933	ng	89
49) Acenaphthylene	9.50	152	1126782	26.382	ng	98
50) Dimethylphthalate	9.37	163	1037678	33.394	ng	99
51) 2,6-Dinitrotoluene	9.42	165	189052	26.353	ng	97
52) Acenaphthene	9.67	154	653785	24.463	ng	99
53) 3-Nitroaniline	9.59	138	195844	22.371	ng	100
54) 2,4-Dinitrophenol	9.70	184	27608	14.136	ng	97
55) Dibenzofuran	9.84	168	978542	25.511	ng	99
56) 4-Nitrophenol	9.76	139	290191	41.346	ng	92
57) 2,4-Dinitrotoluene	9.82	165	247794	26.751	ng	93
58) Fluorene	10.18	166	705362	24.639	ng	96
59) 2,3,4,6-Tetrachlorophenol	9.97	232	193726	24.348	ng	97
60) Diethylphthalate	10.07	149	789518	25.276	ng	99
61) 4-Chlorophenyl-phenylether	10.18	204	344920	25.467	ng	98
62) 4-Nitroaniline	10.20	138	211709	24.106	ng	98
63) Azobenzene	10.34	77	705895	24.195	ng	98
65) 4,6-Dinitro-2-methylphenol	10.24	198	49930	15.339	ng	100
66) n-Nitrosodiphenylamine	10.30	169	656086	25.975	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	231125	26.294	ng	99
68) Hexachlorobenzene	10.73	284	248989	26.097	ng	95
69) Atrazine	10.83	200	214966	26.457	ng	99
70) Pentachlorophenol	10.92	266	205518	33.812	ng	95
71) Phenanthrene	11.14	178	1099178	25.181	ng	98
72) Anthracene	11.19	178	1135501	25.770	ng	99
73) Carbazole	11.34	167	1019628	25.914	ng	99
74) Di-n-butylphthalate	11.70	149	1220439	26.843	ng	99
75) Fluoranthene	12.32	202	1064318	24.438	ng	98
77) Benzidine	12.45	184	97475	4.645	ng	98
78) Pyrene	12.55	202	1061618	29.229	ng	98
80) Butylbenzylphthalate	13.18	149	447329	27.908	ng	91
81) Benzo(a)anthracene	13.73	228	829839	24.470	ng	98
82) 3,3'-Dichlorobenzidine	13.70	252	275179	22.471	ng	99
83) Chrysene	13.77	228	804774	25.907	ng	98
84) Bis(2-ethylhexyl)phthalate	13.75	149	622767	29.651	ng	99
85) Di-n-octyl phthalate	14.36	149	942809	26.717	ng	99
86) Indeno(1,2,3-cd)pyrene	16.39	276	646116	17.578	ng	99
88) Benzo(b)fluoranthene	14.74	252	842386	26.854	ng	100
89) Benzo(k)fluoranthene	14.76	252	742718	26.402	ng	98
90) Benzo(a)pyrene	15.05	252	754176	26.674	ng	98
91) Dibenzo(a,h)anthracene	16.40	278	550282	20.848	ng	98
92) Benzo(g,h,i)perylene	16.77	276	505015	18.904	ng	99

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

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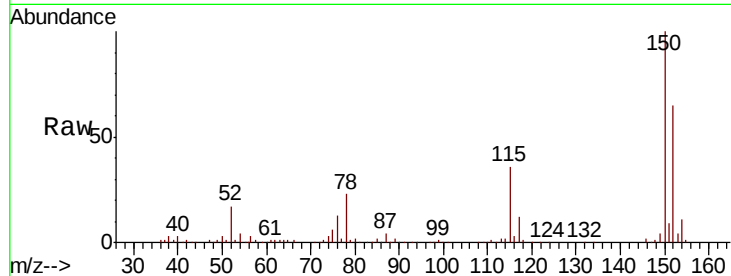


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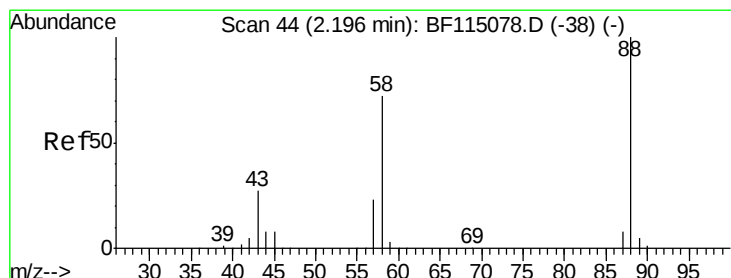
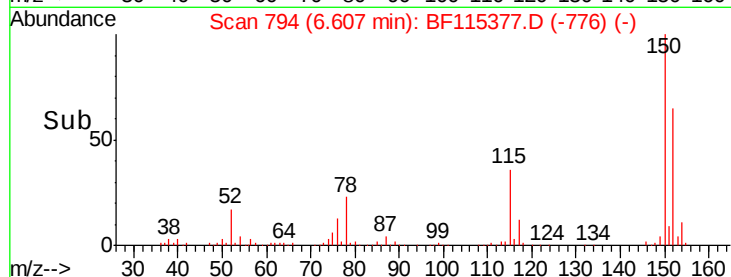
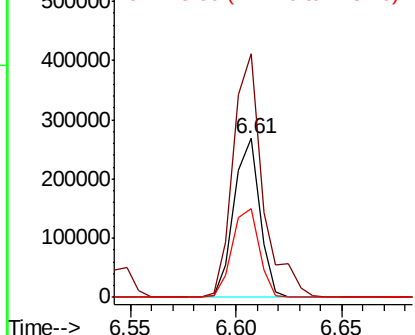
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion: 152 Resp: 226578
Ion Ratio Lower Upper
152 100
150 153.3 124.2 186.2
115 55.5 46.1 69.1



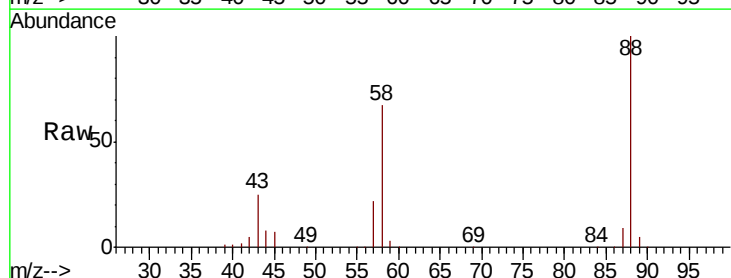
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



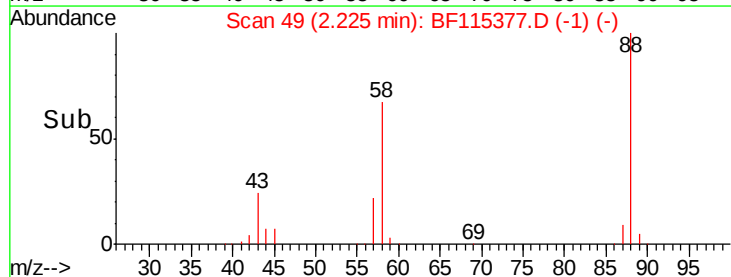
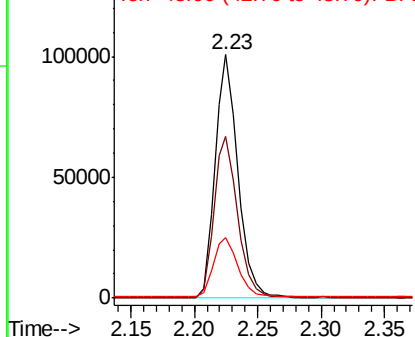
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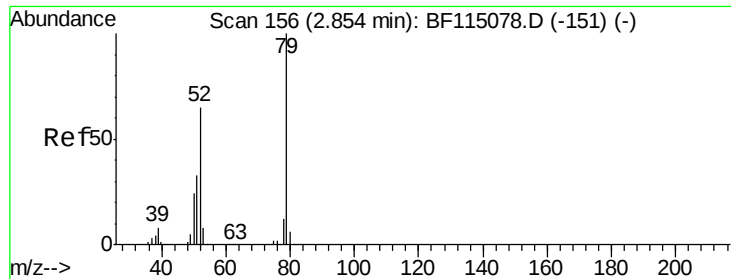
1,4-Dioxane
Concen: 18.326 ng
RT: 2.23 min Scan# 49
Delta R.T. 0.07 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion: 88 Resp: 126991
Ion Ratio Lower Upper
88 100
58 69.0 56.1 84.1
43 25.7 21.3 31.9



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

Pyridine

Concen: 10.288 ng

RT: 2.88 min Scan# 161

Delta R.T. 0.08 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

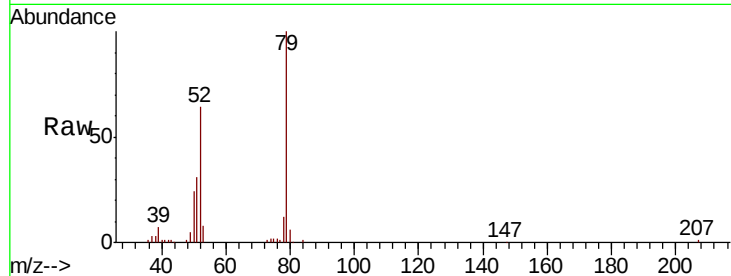
Tgt Ion: 79 Resp: 200933

Ion Ratio Lower Upper

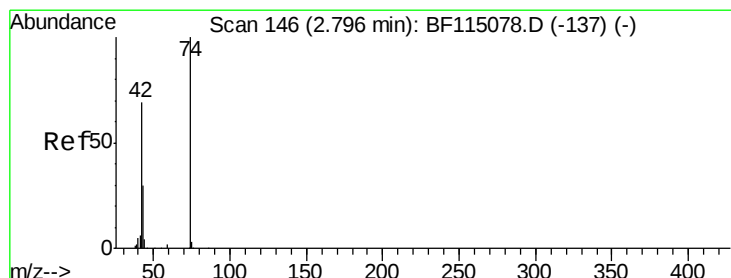
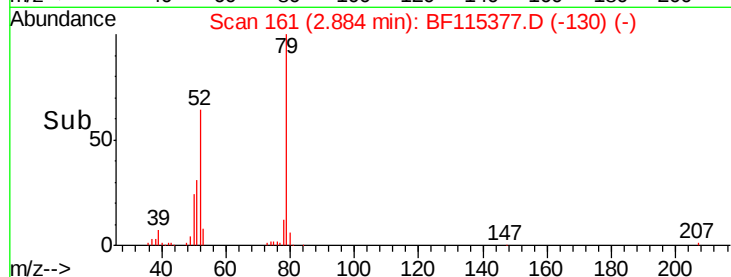
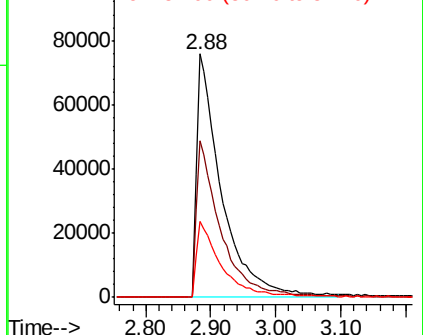
79 100

52 64.2 52.3 78.5

51 31.2 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 19.210 ng

RT: 2.81 min Scan# 149

Delta R.T. 0.06 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

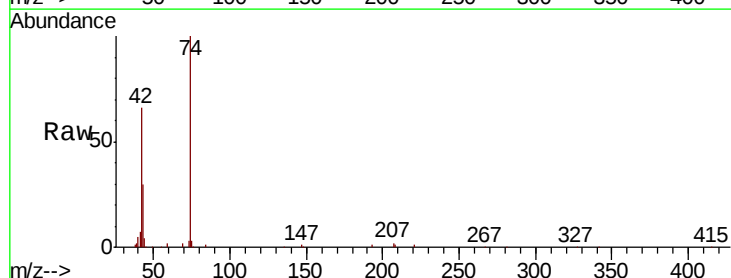
Tgt Ion: 42 Resp: 147083

Ion Ratio Lower Upper

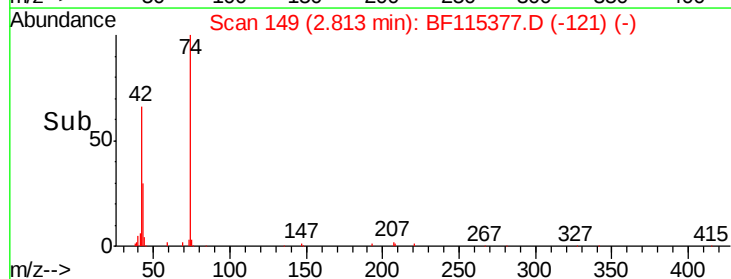
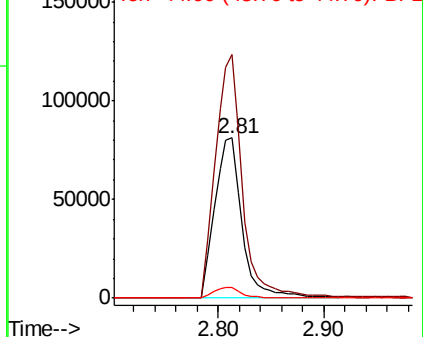
42 100

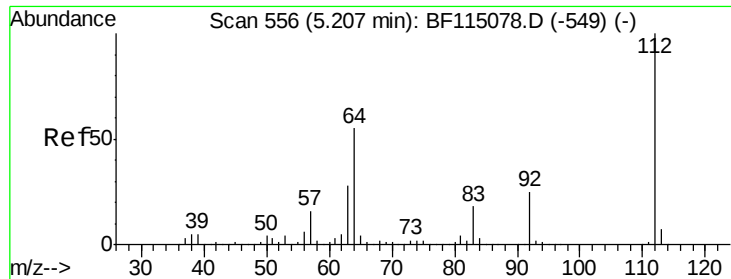
74 152.2 116.6 175.0

44 6.7 5.3 7.9



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 67.484 ng

RT: 5.21 min Scan# 556

Delta R.T. 0.02 min

Lab File: BF115377.D

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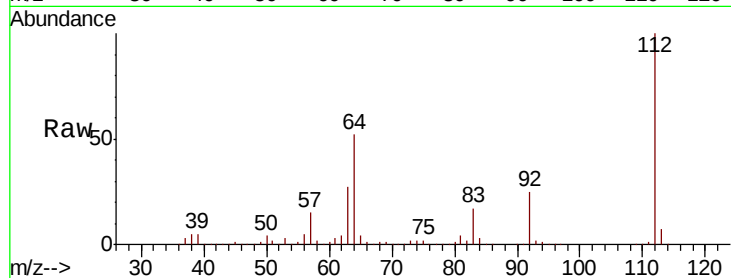
Tgt Ion: 112 Resp: 990848

Ion Ratio Lower Upper

112 100

64 52.0 43.8 65.6

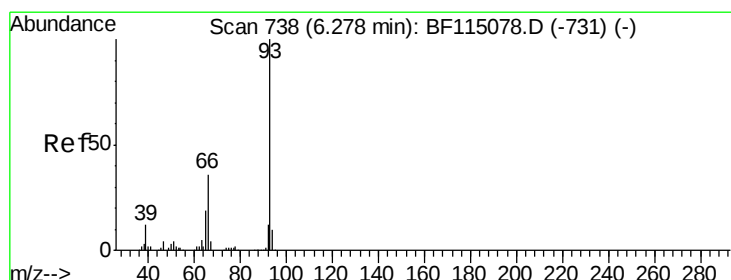
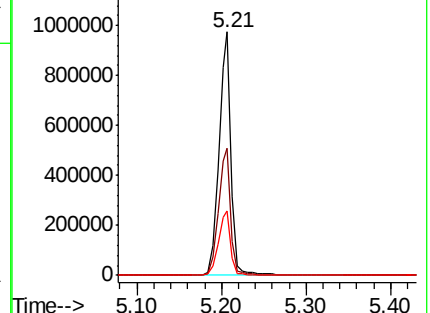
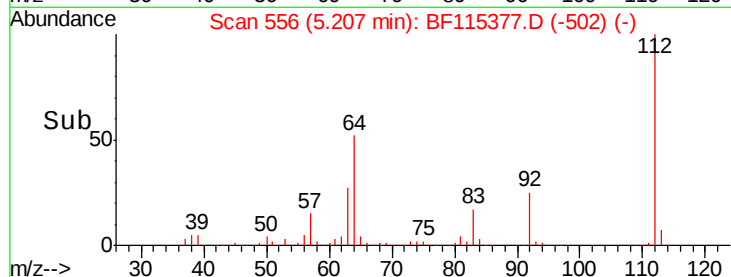
63 26.7 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 13.229 ng

RT: 6.26 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF115377.D

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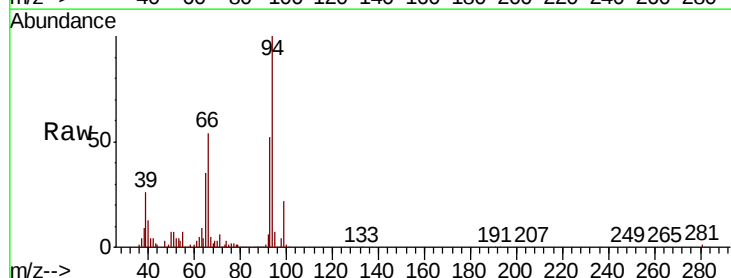
Tgt Ion: 93 Resp: 324005

Ion Ratio Lower Upper

93 100

66 102.9 30.0 45.0#

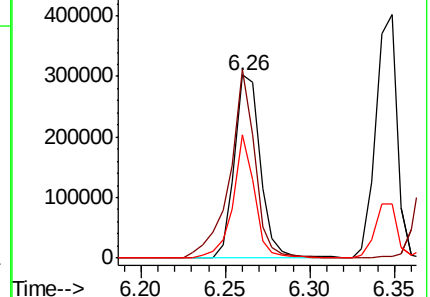
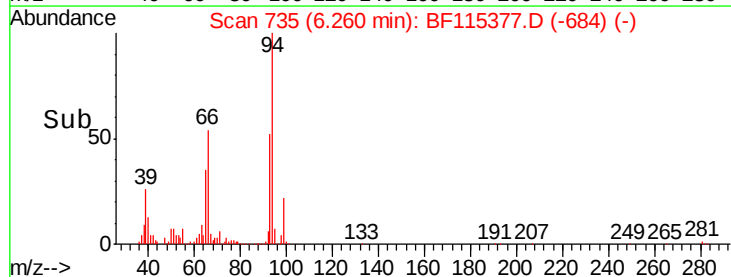
65 67.4 15.6 23.4#

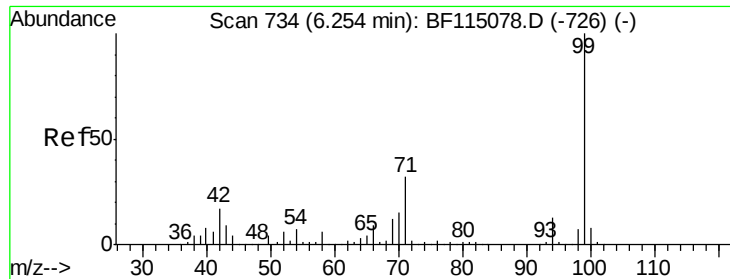


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 72.160 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

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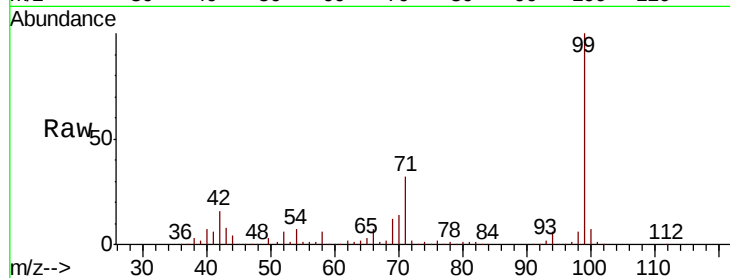
Tgt Ion: 99 Resp: 1285975

Ion Ratio Lower Upper

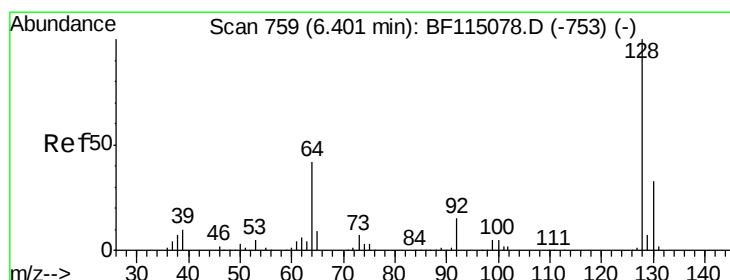
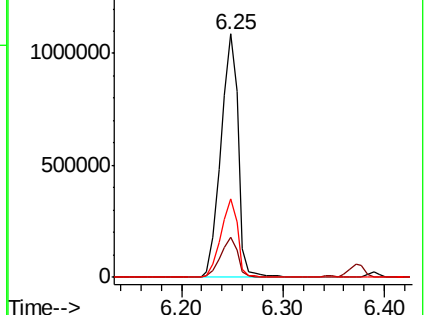
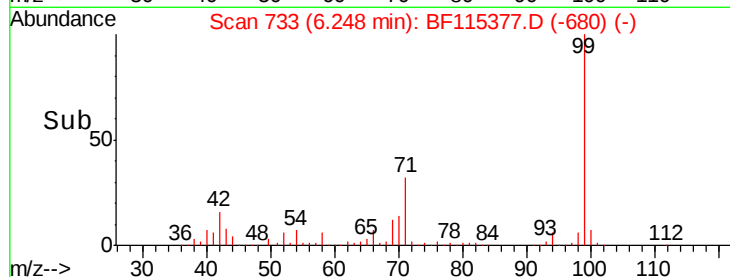
99 100

42 16.2 13.6 20.4

71 32.5 25.5 38.3



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



#8

2-Chlorophenol

Concen: 23.700 ng

RT: 6.39 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

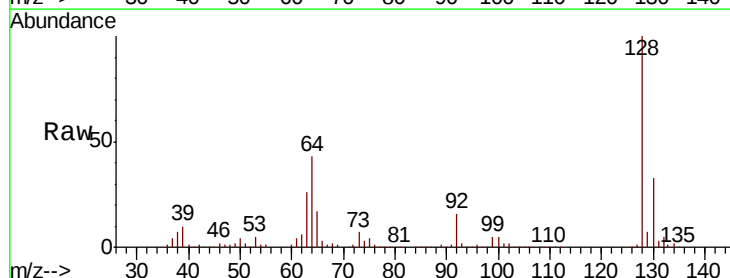
Tgt Ion: 128 Resp: 391276

Ion Ratio Lower Upper

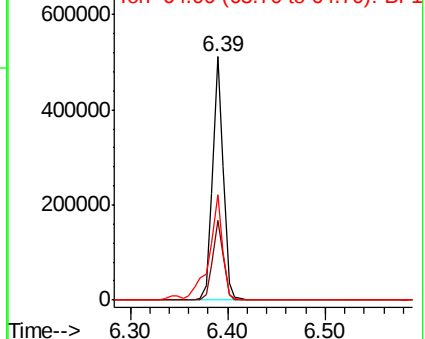
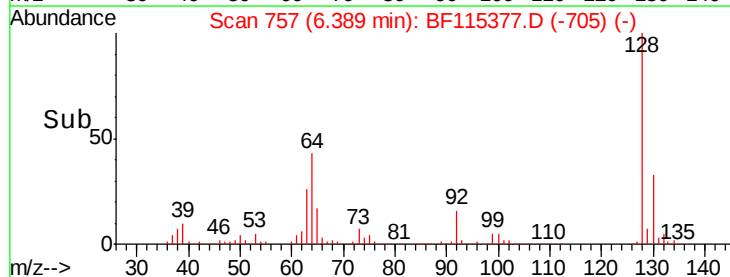
128 100

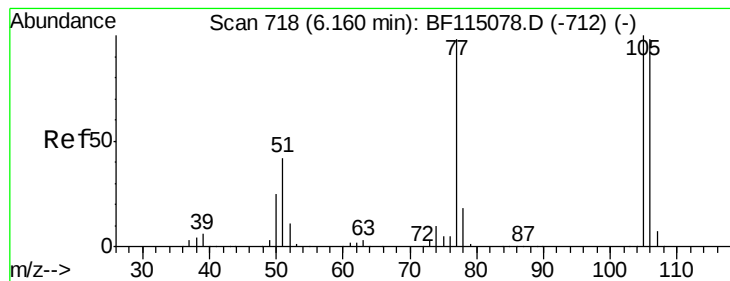
130 32.8 12.9 52.9

64 43.0 22.9 62.9



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





#9

Benzaldehyde

Concen: 19.711 ng

RT: 6.14 min Scan# 715

Delta R.T. 0.00 min

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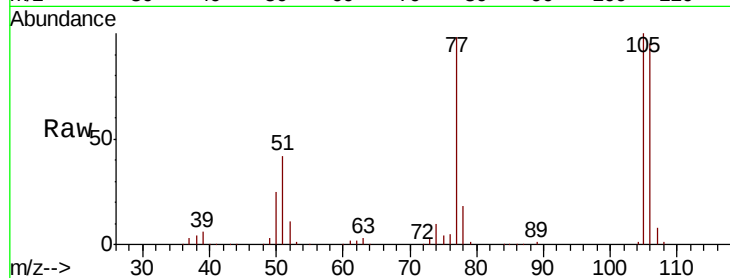
Tgt Ion: 77 Resp: 229177

Ion Ratio Lower Upper

77 100

105 101.9 81.5 121.5

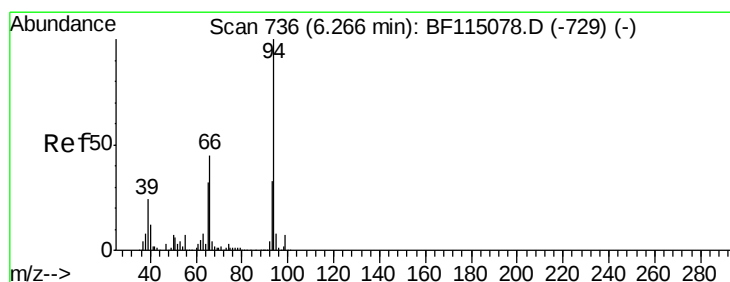
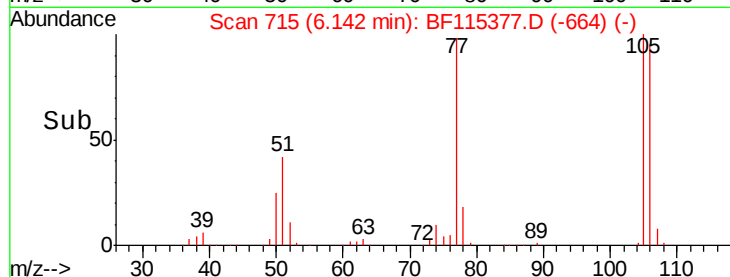
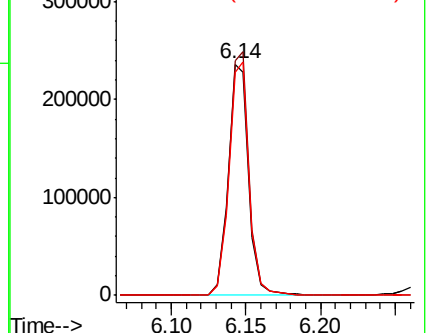
106 96.9 79.7 119.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 22.534 ng

RT: 6.26 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

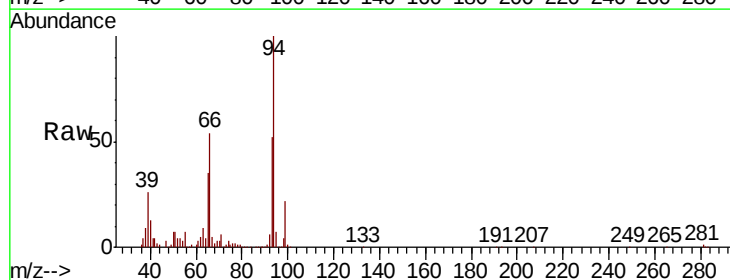
Tgt Ion: 94 Resp: 470401

Ion Ratio Lower Upper

94 100

65 35.2 11.9 51.9

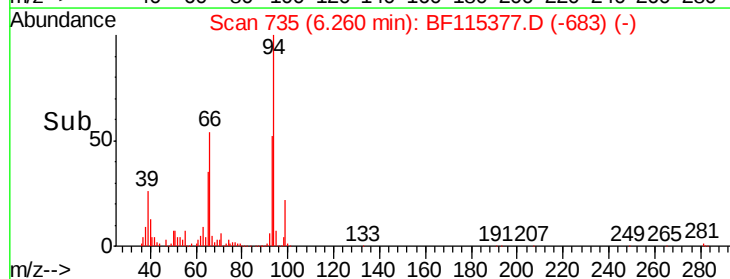
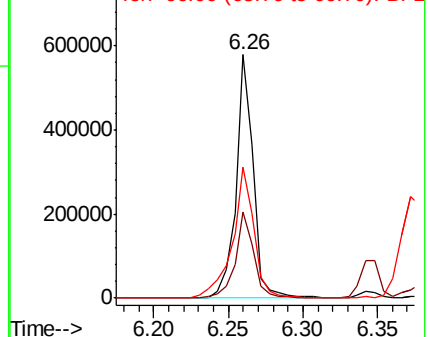
66 53.8 25.2 65.2

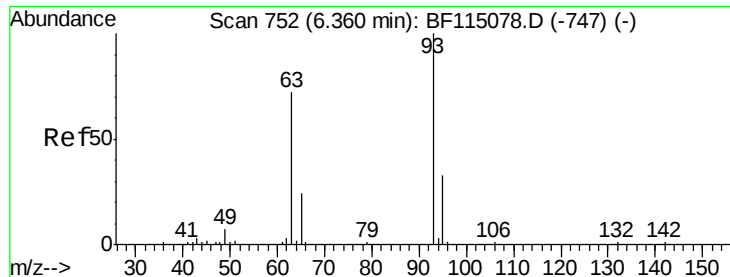


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

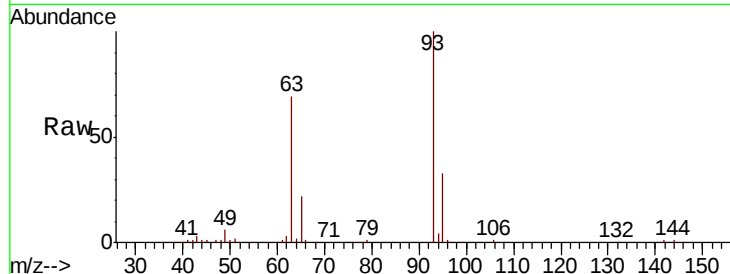




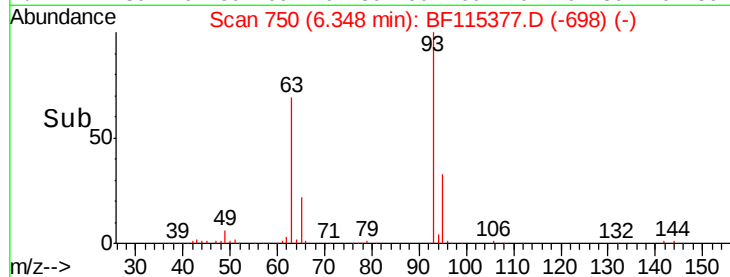
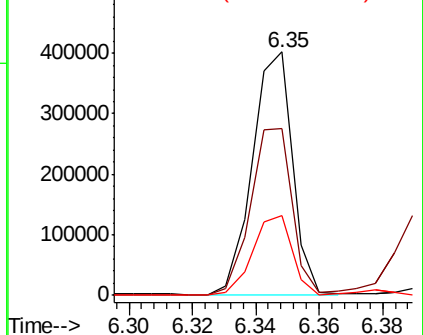
#11
bis(2-Chloroethyl)ether
Concen: 22.761 ng
RT: 6.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion: 93 Resp: 350242
Ion Ratio Lower Upper
93 100
63 68.8 51.5 91.5
95 33.0 13.4 53.4

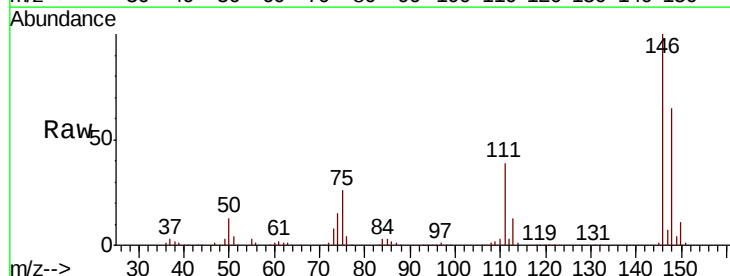


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

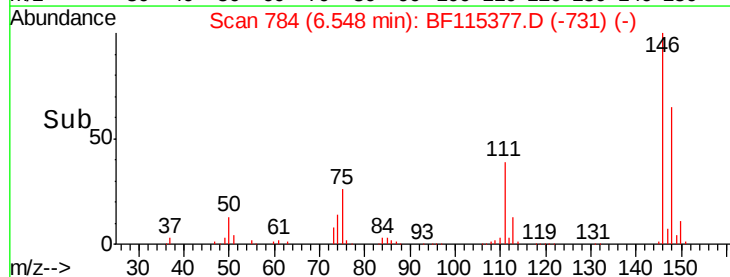
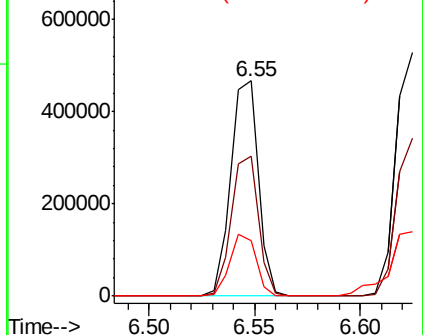


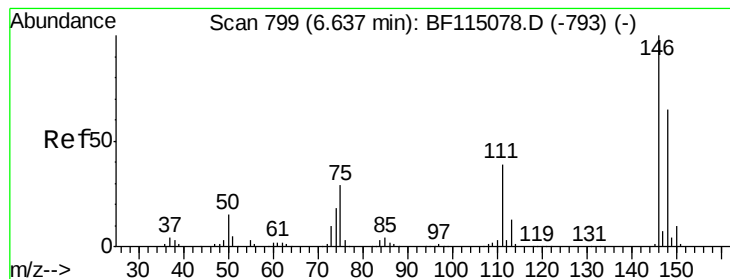
#12
1,3-Dichlorobenzene
Concen: 22.888 ng
RT: 6.55 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion: 146 Resp: 419381
Ion Ratio Lower Upper
146 100
148 65.2 52.6 78.8
75 25.7 22.6 34.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 23.492 ng

RT: 6.62 min Scan# 797

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

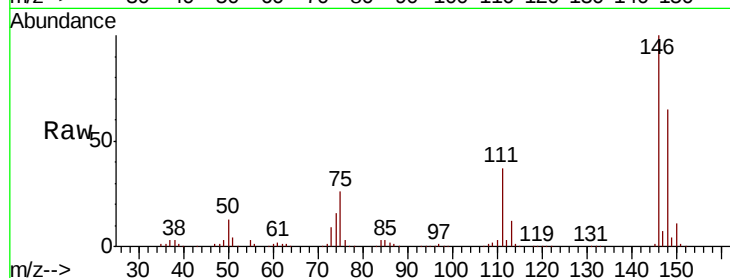
Tgt Ion:146 Resp: 431639

Ion Ratio Lower Upper

146 100

148 65.1 51.9 77.9

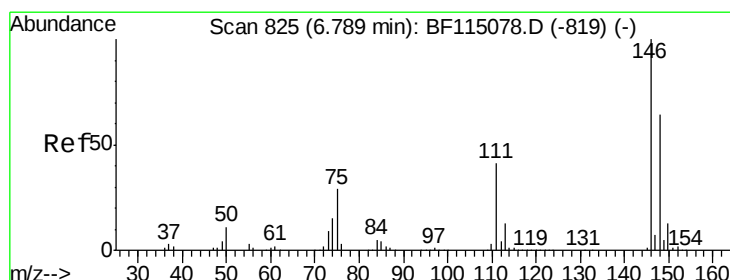
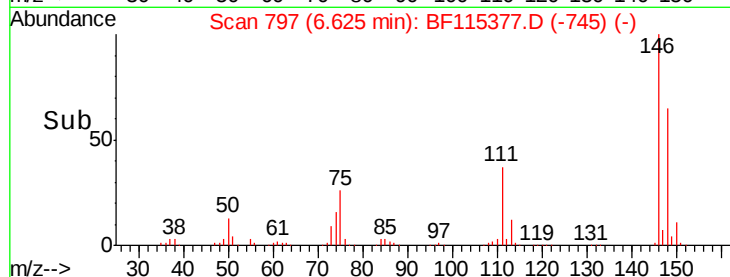
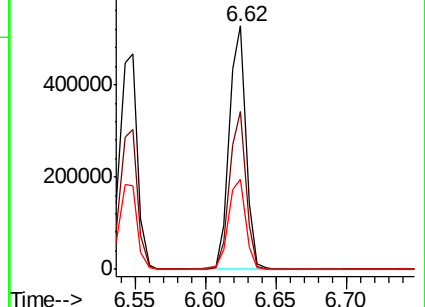
111 37.1 31.4 47.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 23.841 ng

RT: 6.78 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

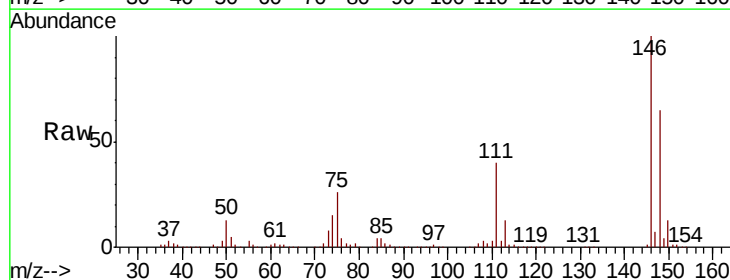
Tgt Ion:146 Resp: 405668

Ion Ratio Lower Upper

146 100

148 64.7 51.1 76.7

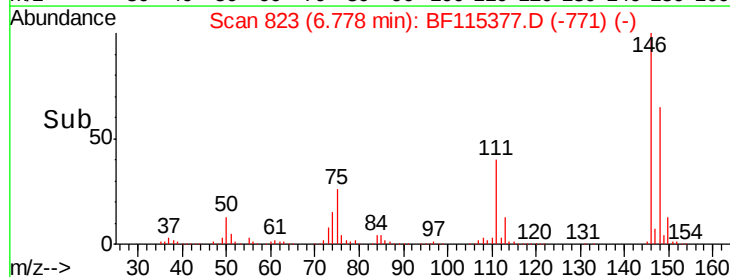
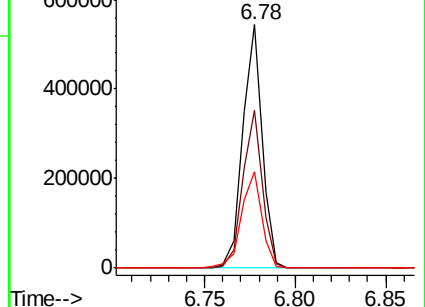
111 39.9 33.2 49.8

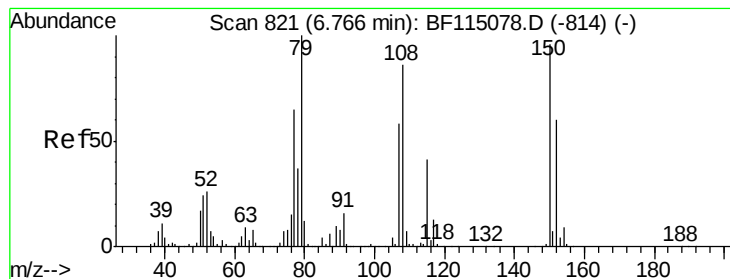


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 21.194 ng

RT: 6.75 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

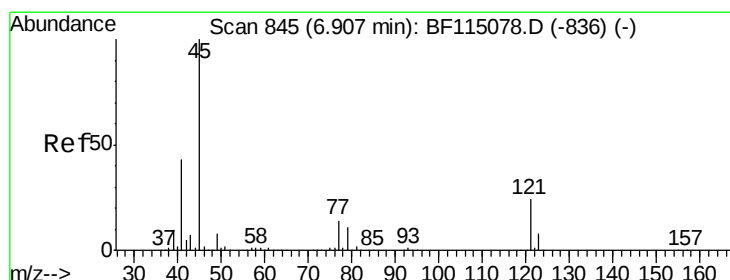
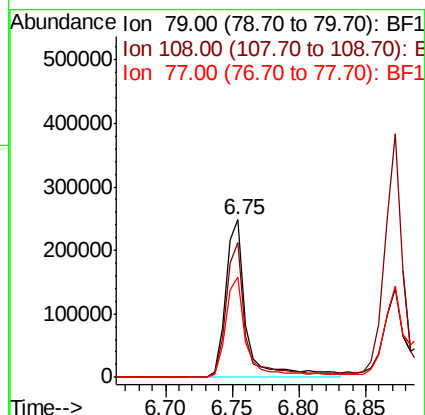
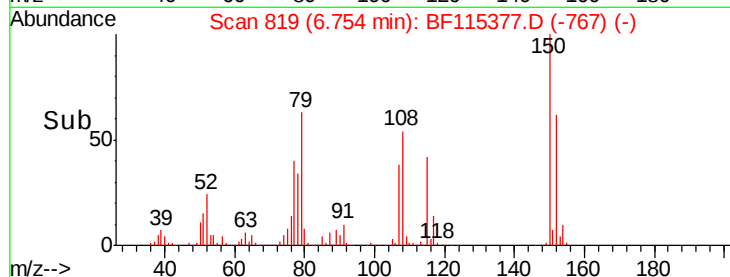
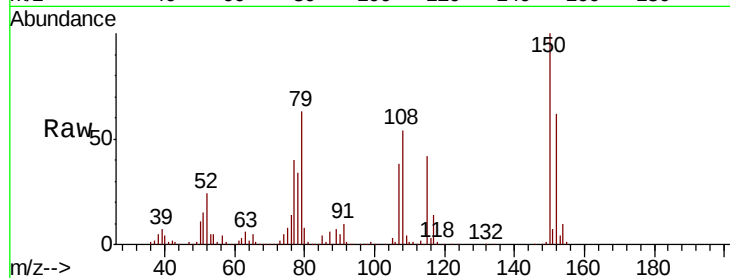
Tgt Ion: 79 Resp: 275030

Ion Ratio Lower Upper

79 100

108 85.8 68.7 103.1

77 63.8 51.7 77.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.715 ng

RT: 6.90 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

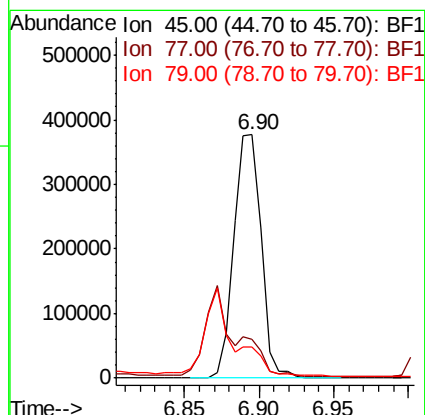
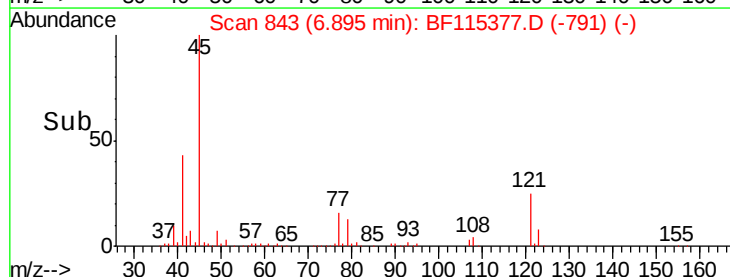
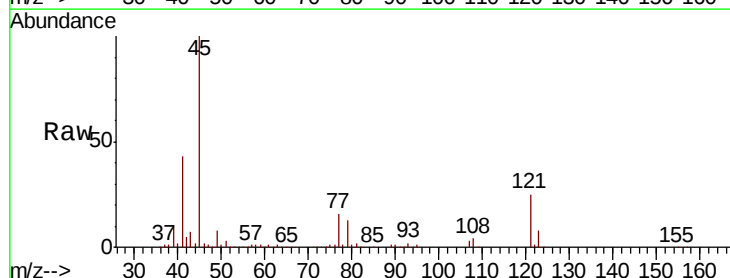
Tgt Ion: 45 Resp: 484638

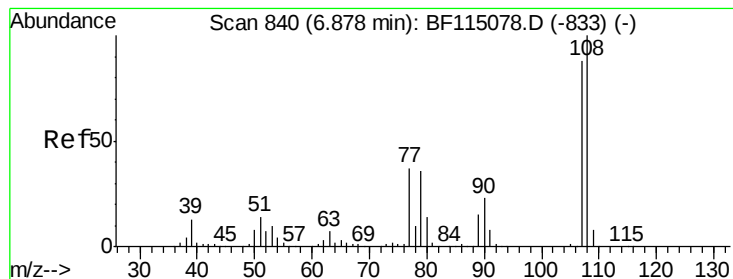
Ion Ratio Lower Upper

45 100

77 16.0 0.0 34.6

79 12.9 0.0 31.2





#17

2-Methylphenol

Concen: 23.760 ng

RT: 6.87 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

Tgt Ion:107 Resp: 323798

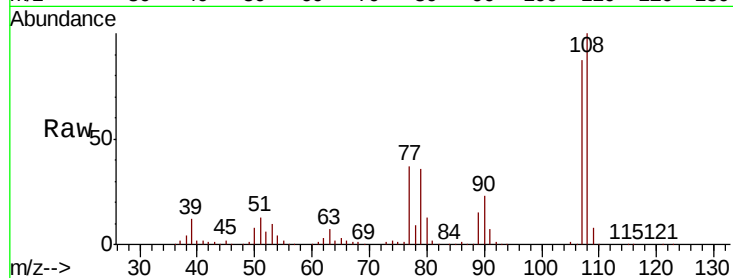
Ion Ratio Lower Upper

107 100

108 114.4 90.9 136.3

77 42.7 33.4 50.2

79 41.8 32.3 48.5

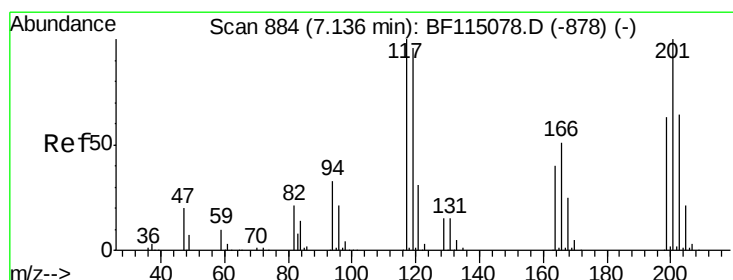
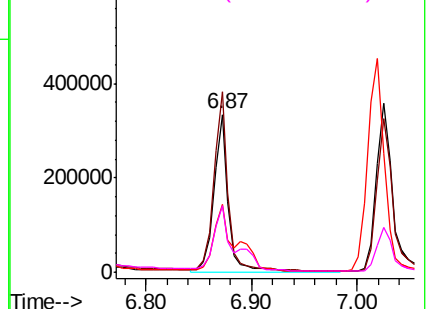
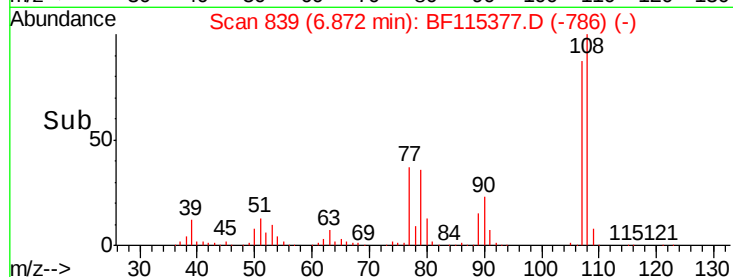


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 21.637 ng

RT: 7.12 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

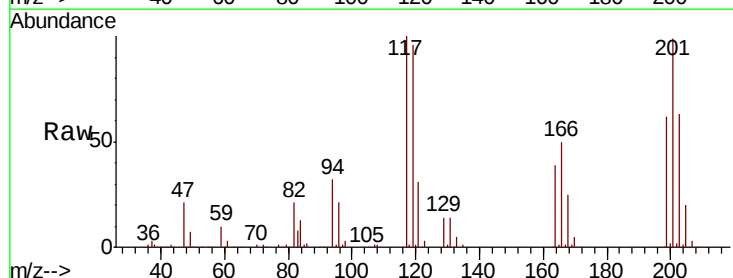
Tgt Ion:117 Resp: 143321

Ion Ratio Lower Upper

117 100

119 95.8 76.6 114.8

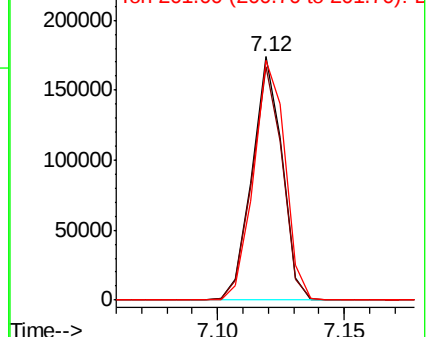
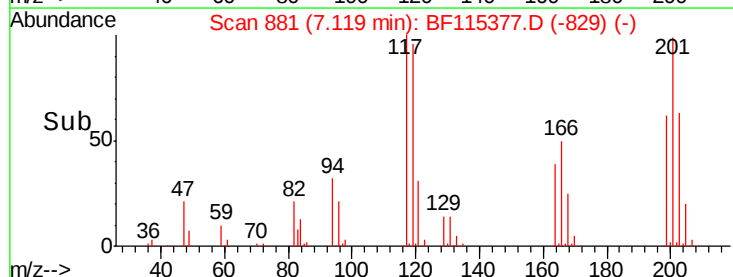
201 98.6 80.2 120.2

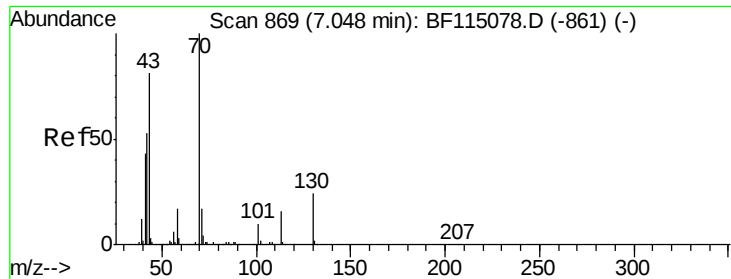


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

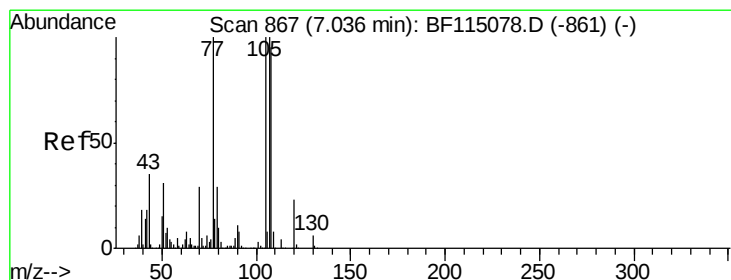
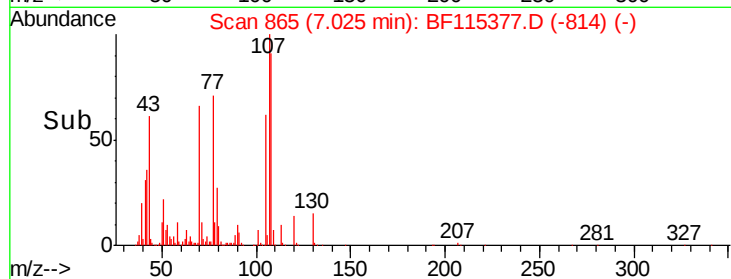
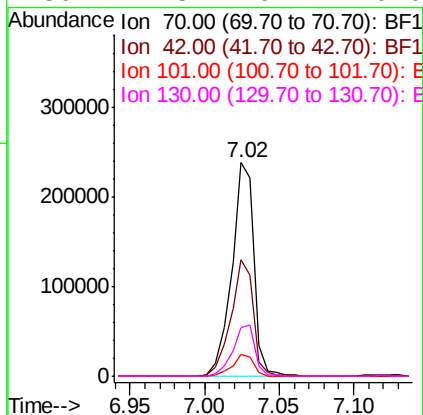
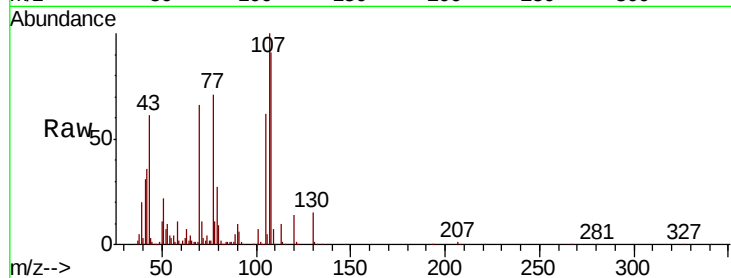




#19
n-Nitroso-di-n-propylamine
Concen: 21.878 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

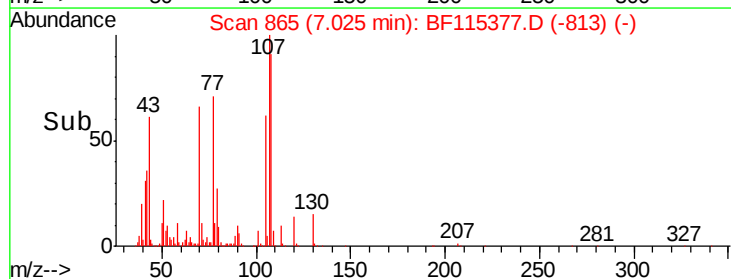
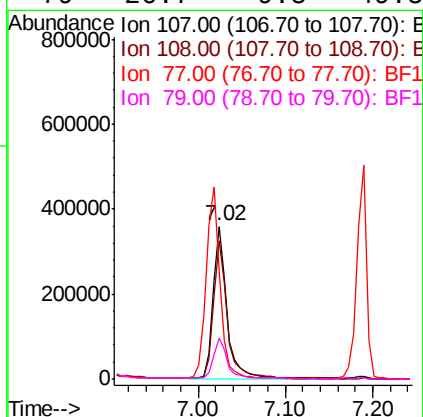
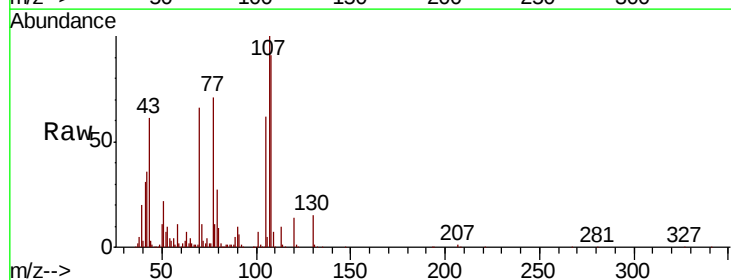
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion:	70	Resp:	249616
Ion	Ratio	Lower	Upper
70	100		
42	54.5	42.6	63.8
101	9.9	8.0	12.0
130	22.8	19.4	29.0



#20
3+4-Methylphenols
Concen: 24.962 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:	107	Resp:	392791
Ion	Ratio	Lower	Upper
107	100		
108	90.7	75.5	115.5
77	70.6	80.2	120.2#
79	26.7	9.5	49.5

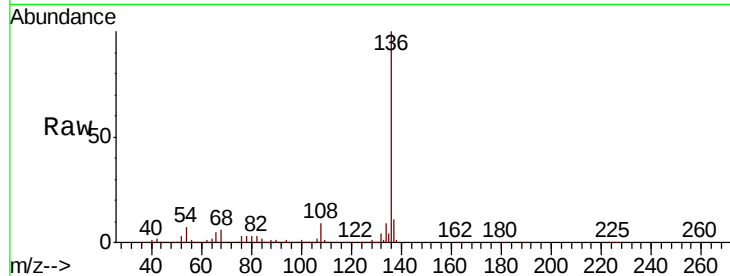




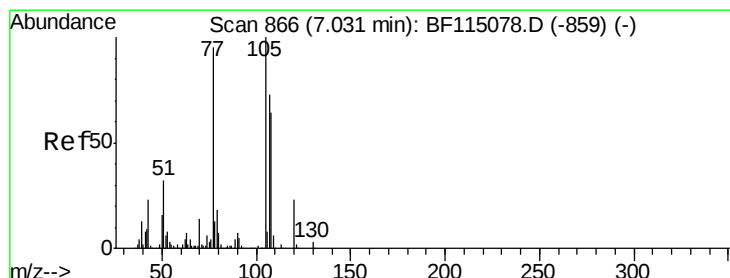
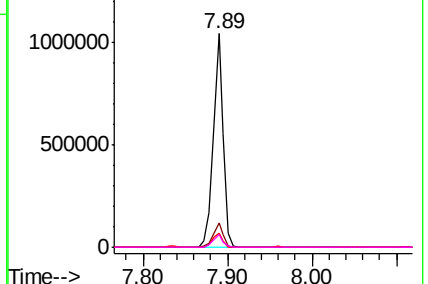
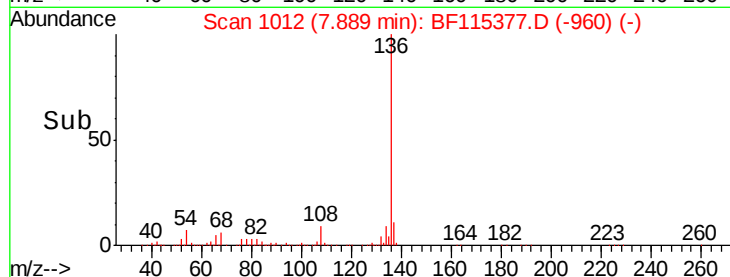
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion:	136	Resp:	883963
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	6.8	5.6	8.4
68	5.9	4.8	7.2

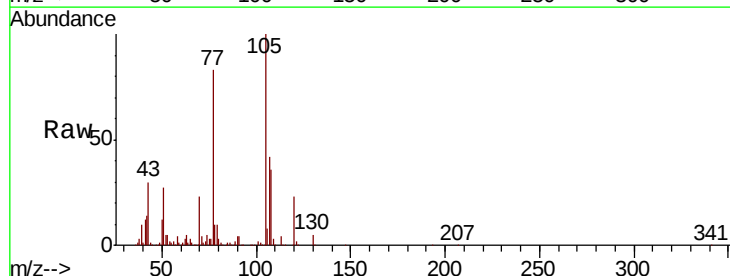


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

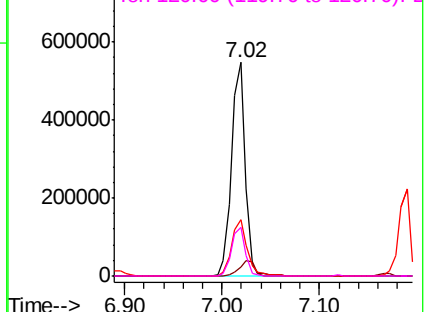
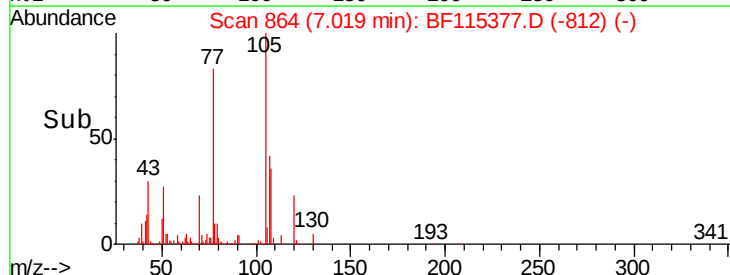


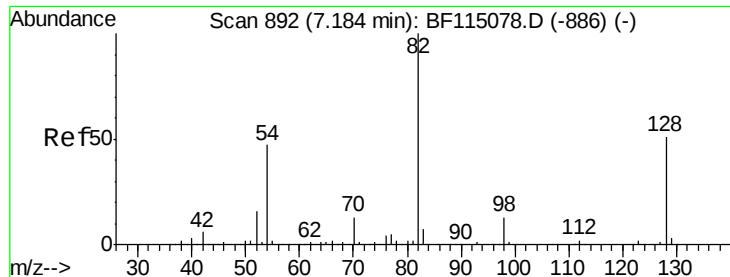
#22
Acetophenone
Concen: 26.428 ng
RT: 7.02 min Scan# 864
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:	105	Resp:	534812
Ion	Ratio	Lower	Upper
105	100		
71	3.9	1.9	2.9#
51	26.7	25.8	38.8
120	22.8	18.5	27.7



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

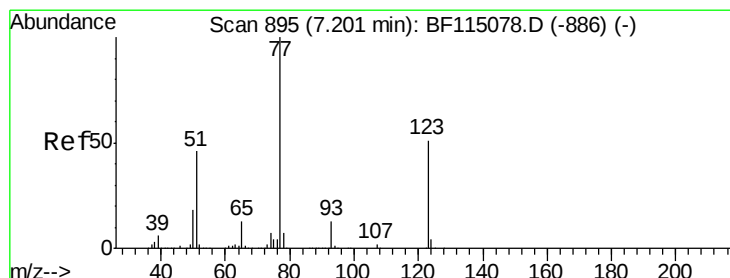
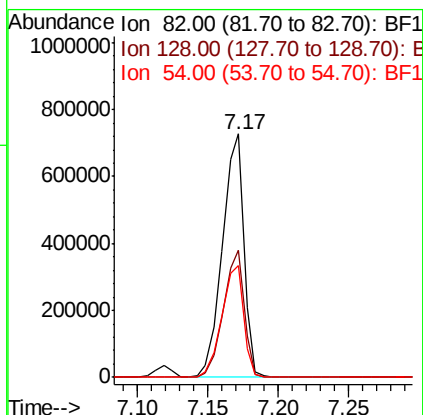
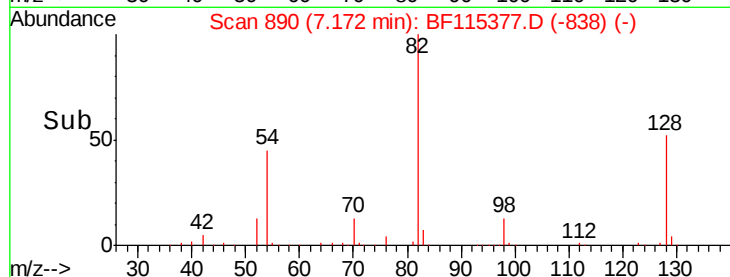
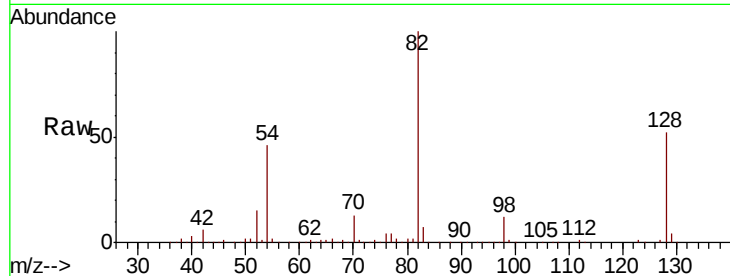




#23
Nitrobenzene-d5
Concen: 53.528 ng
RT: 7.17 min Scan# 890
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

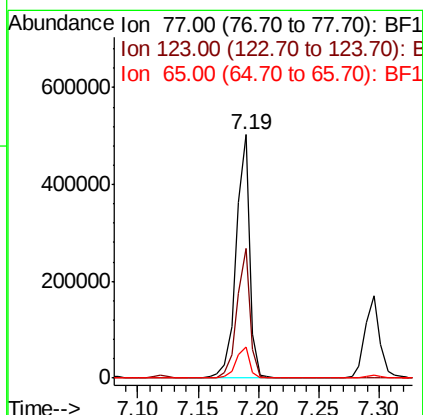
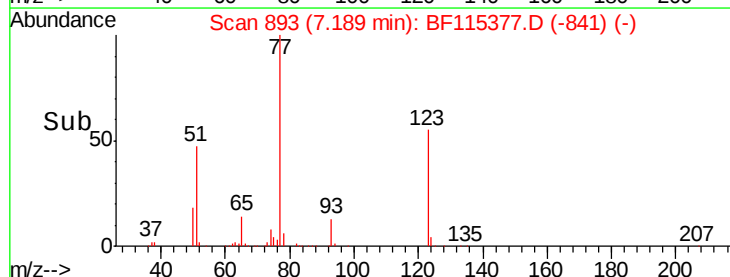
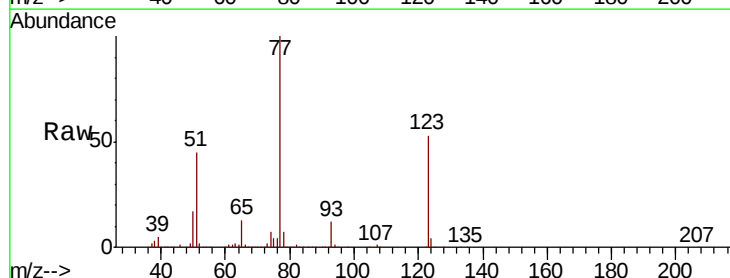
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

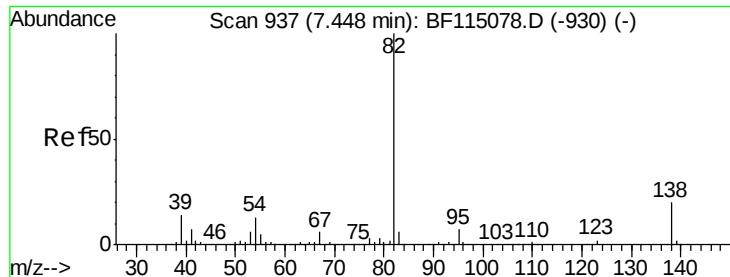
Tgt Ion: 82 Resp: 769190
Ion Ratio Lower Upper
82 100
128 52.3 40.4 60.6
54 45.9 37.5 56.3



#24
Nitrobenzene
Concen: 24.765 ng
RT: 7.19 min Scan# 893
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion: 77 Resp: 392051
Ion Ratio Lower Upper
77 100
123 53.1 41.0 61.6
65 12.8 10.5 15.7

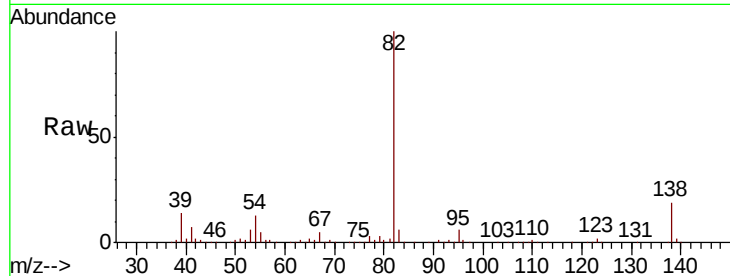




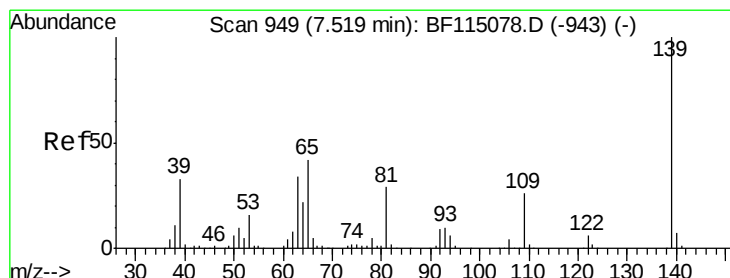
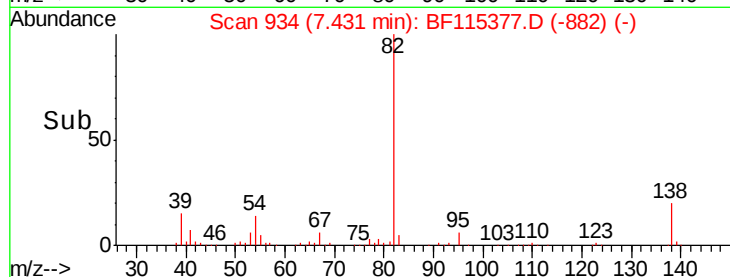
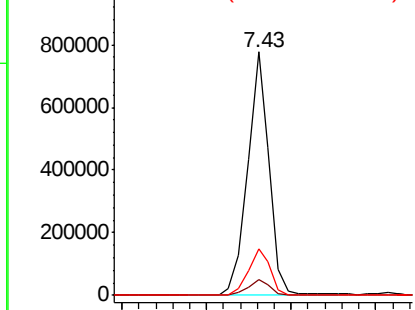
#25
Isophorone
Concen: 23.377 ng
RT: 7.43 min Scan# 934
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion: 82 Resp: 688148
Ion Ratio Lower Upper
82 100
95 6.4 5.4 8.2
138 19.3 15.9 23.9

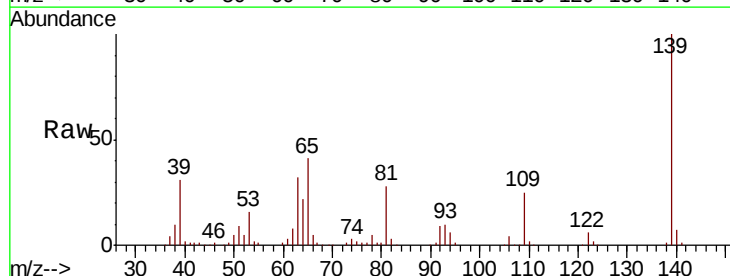


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

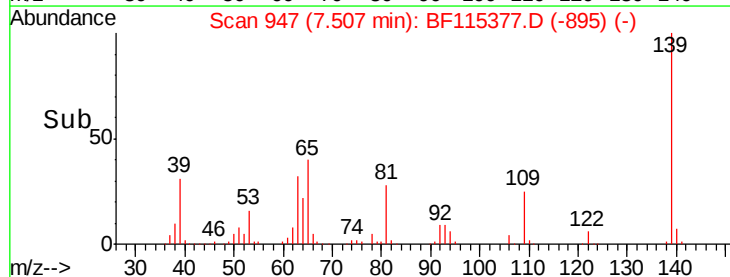
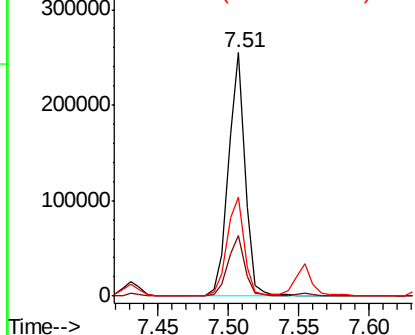


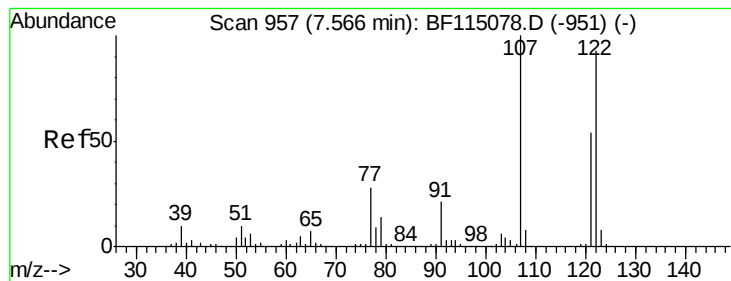
#26
2-Nitrophenol
Concen: 26.705 ng
RT: 7.51 min Scan# 947
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion: 139 Resp: 208783
Ion Ratio Lower Upper
139 100
109 24.9 20.4 30.6
65 40.8 33.6 50.4



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





#27

2,4-Dimethylphenol

Concen: 25.652 ng

RT: 7.55 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

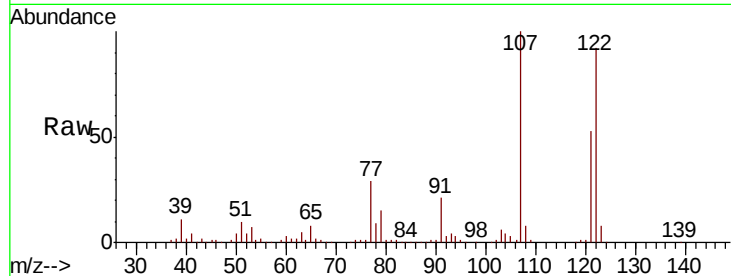
Tgt Ion:122 Resp: 328355

Ion Ratio Lower Upper

122 100

107 108.9 85.8 128.6

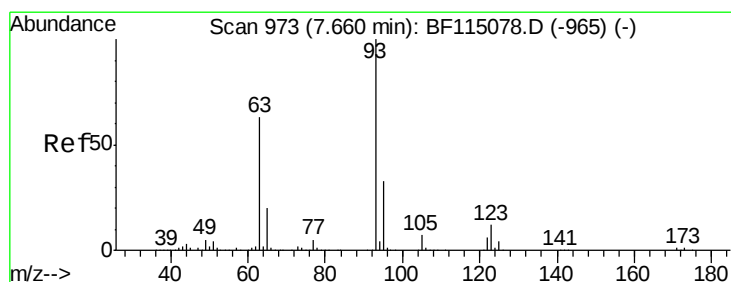
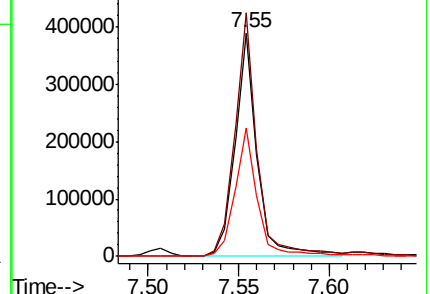
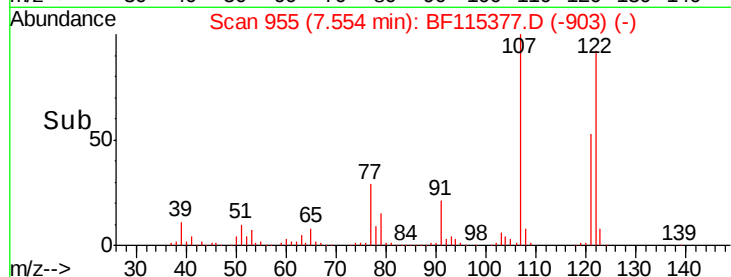
121 57.6 46.3 69.5



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: 24.157 ng

RT: 7.65 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

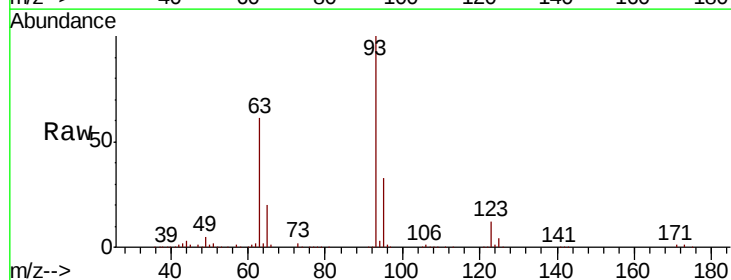
Tgt Ion: 93 Resp: 449463

Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

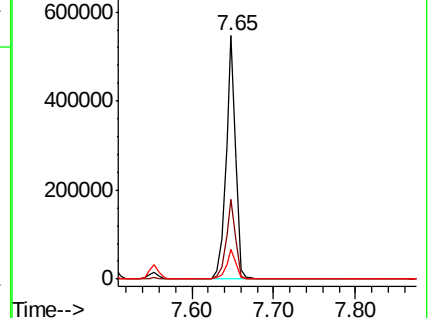
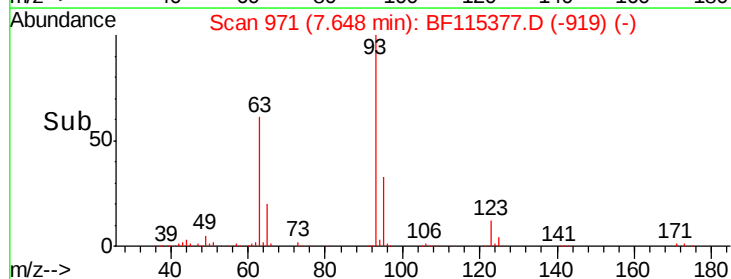
123 12.0 9.7 14.5



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

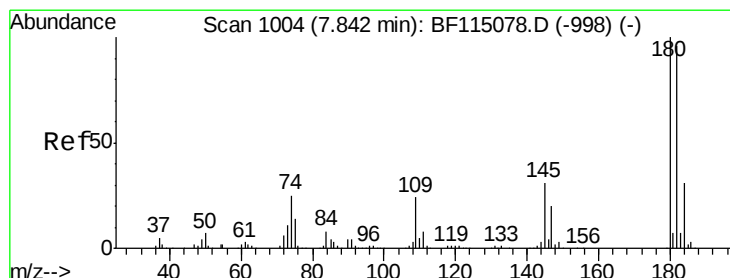
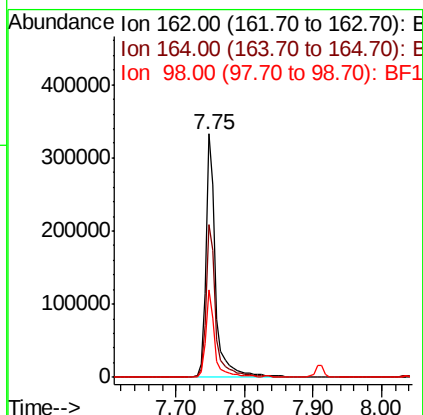
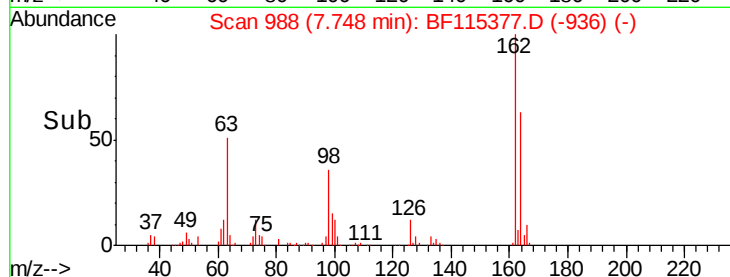
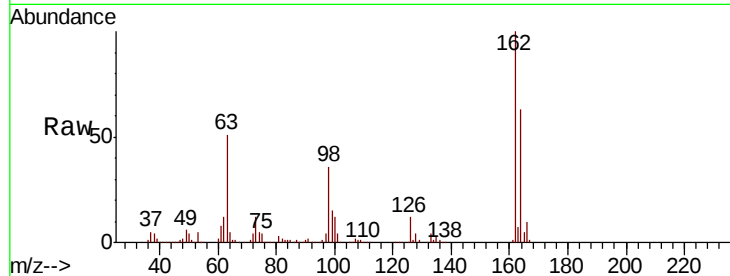




#29
2,4-Dichlorophenol
Concen: 25.597 ng
RT: 7.75 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

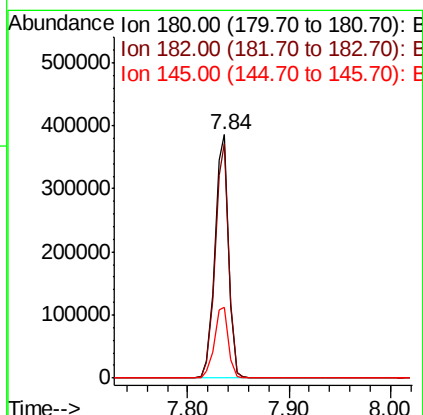
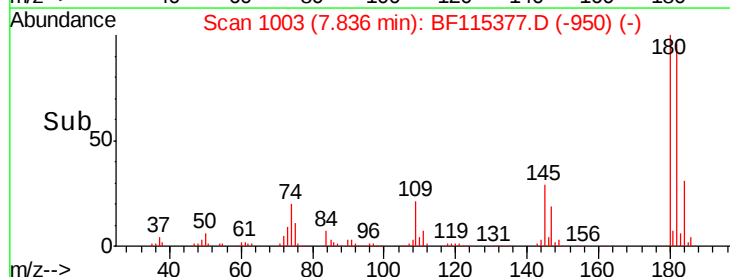
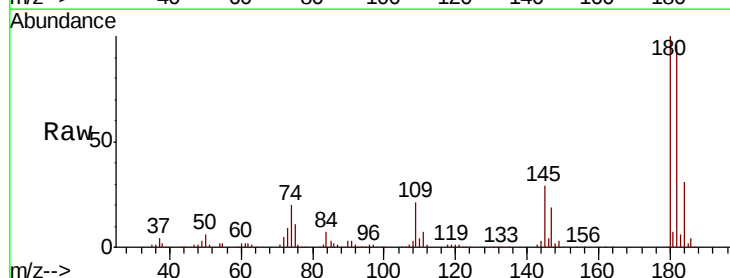
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

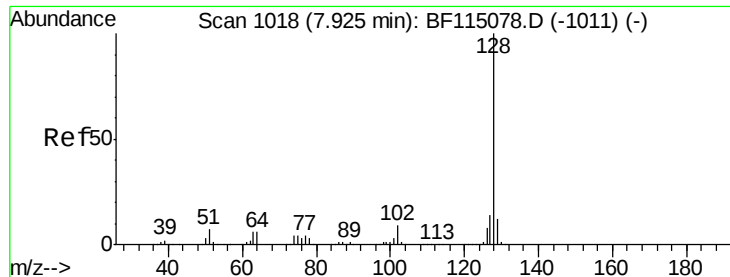
Tgt Ion:162 Resp: 338134
Ion Ratio Lower Upper
162 100
164 62.5 45.3 85.3
98 36.0 12.5 52.5



#30
1,2,4-Trichlorobenzene
Concen: 24.920 ng
RT: 7.84 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:180 Resp: 363613
Ion Ratio Lower Upper
180 100
182 96.3 76.4 114.6
145 29.1 24.8 37.2

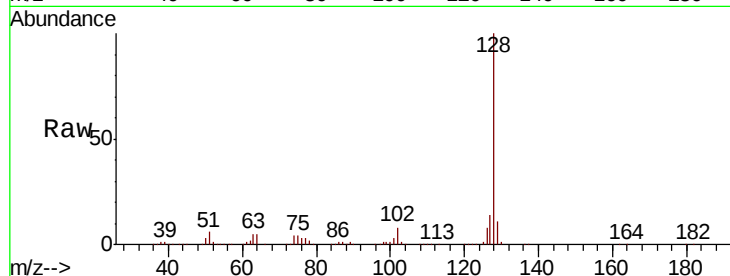




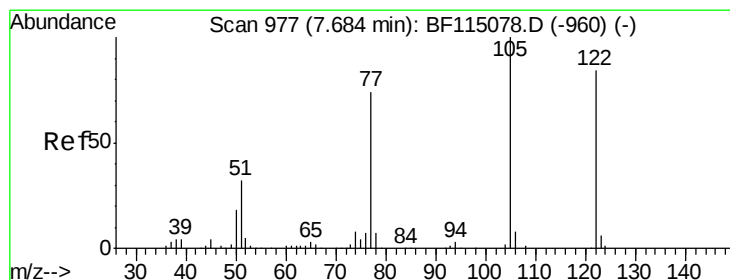
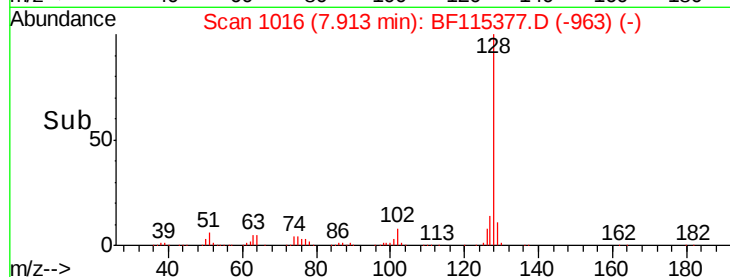
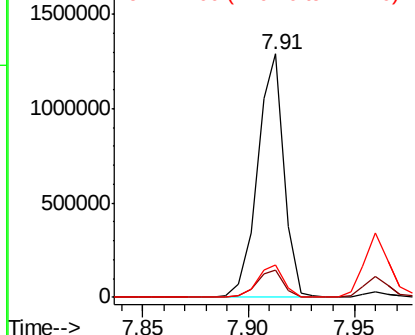
#31
Naphthalene
Concen: 25.774 ng
RT: 7.91 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion:128 Resp: 1118362
Ion Ratio Lower Upper
128 100
129 11.3 9.6 14.4
127 13.5 11.4 17.0

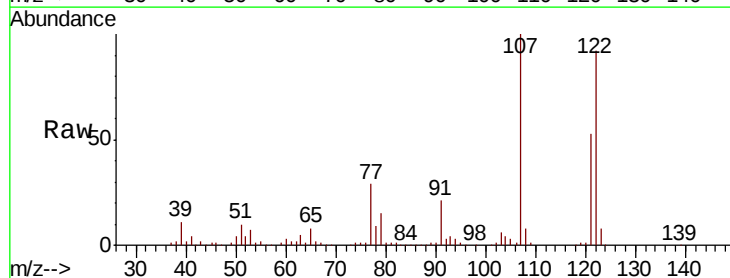


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

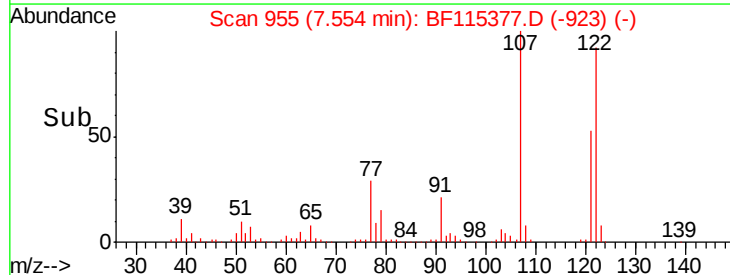
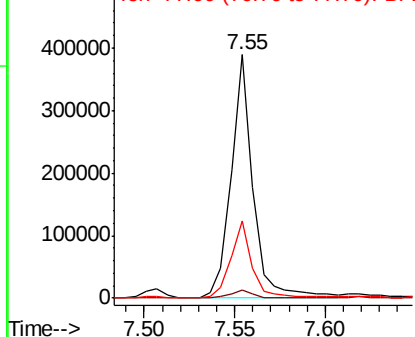


#32
Benzoic acid
Concen: 35.937 ng
RT: 7.55 min Scan# 955
Delta R.T. -0.11 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:122 Resp: 328355
Ion Ratio Lower Upper
122 100
105 3.5 98.2 138.2#
77 31.8 67.0 107.0#



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

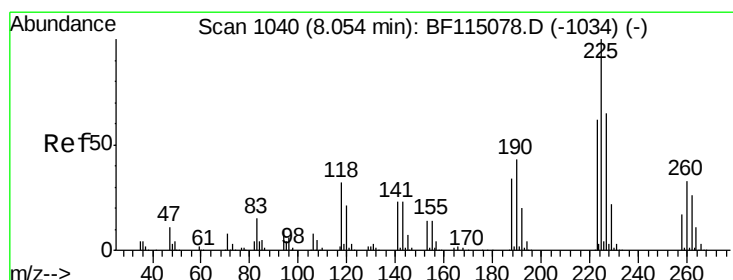
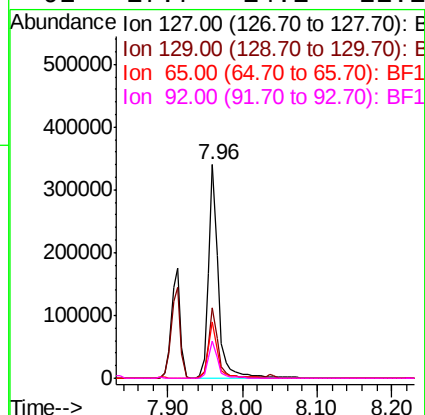
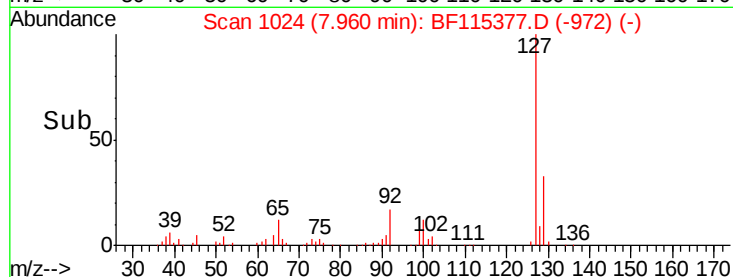
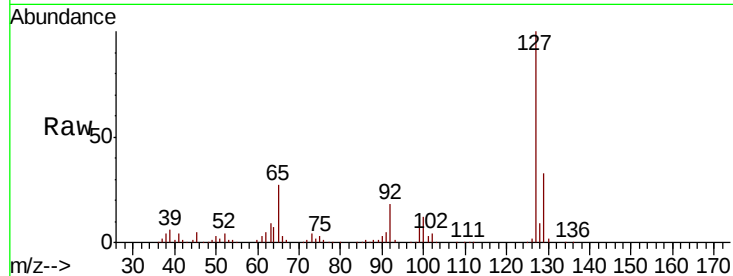




#33
4-Chloroaniline
Concen: 15.808 ng
RT: 7.96 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

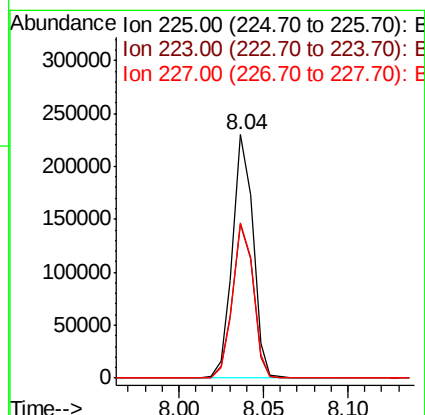
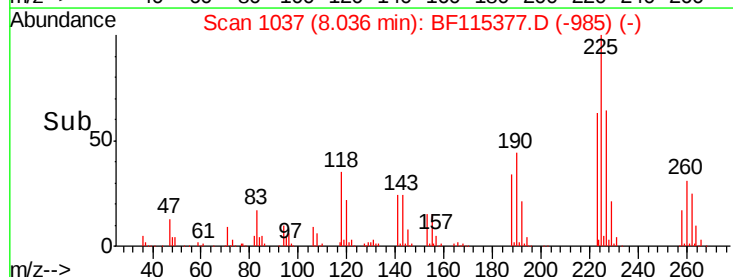
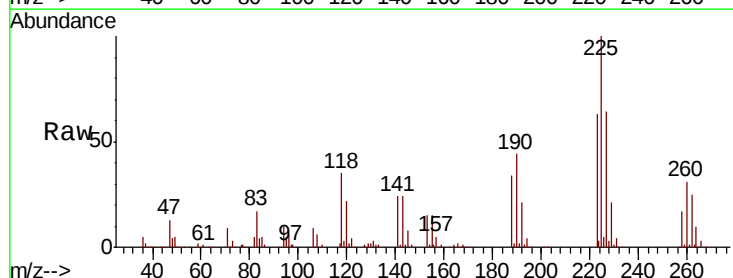
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

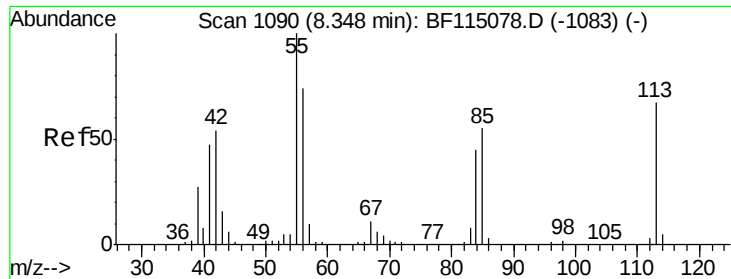
Tgt Ion:	127	Resp:	313486
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	26.6	21.4	32.2
92	17.7	14.1	21.1



#34
Hexachlorobutadiene
Concen: 24.397 ng
RT: 8.04 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:	225	Resp:	195084
Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.4	74.2
227	64.0	51.8	77.8

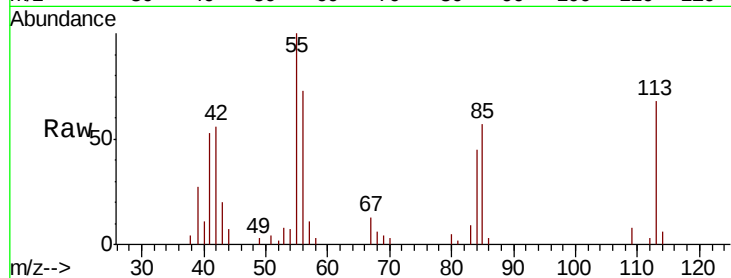




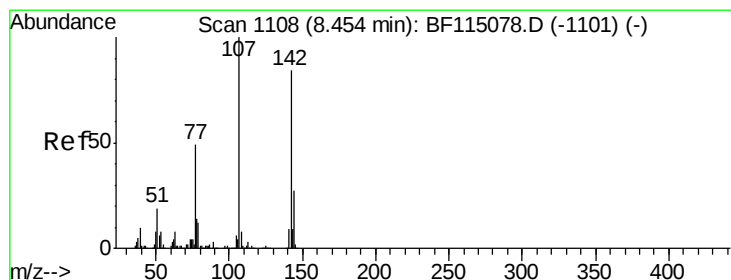
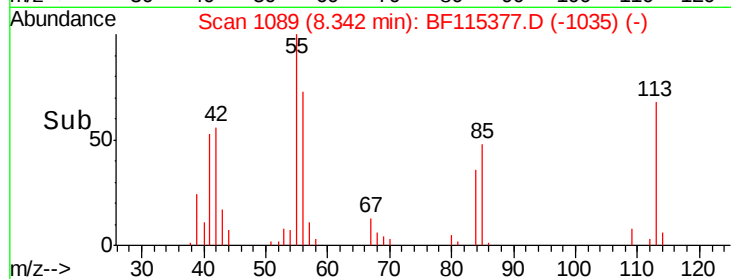
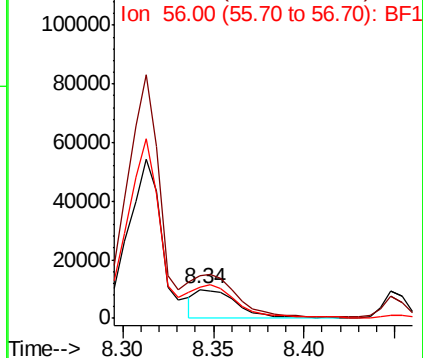
#35
 Caprolactam
 Concen: 3.552 ng
 RT: 8.34 min Scan# 1089
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion: 113 Resp: 15776
 Ion Ratio Lower Upper
 113 100
 55 147.0 130.2 170.2
 56 108.0 91.6 131.6

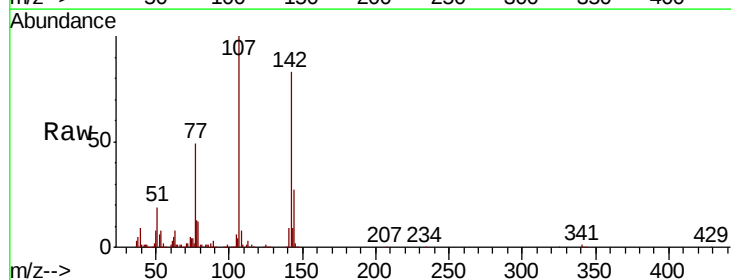


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

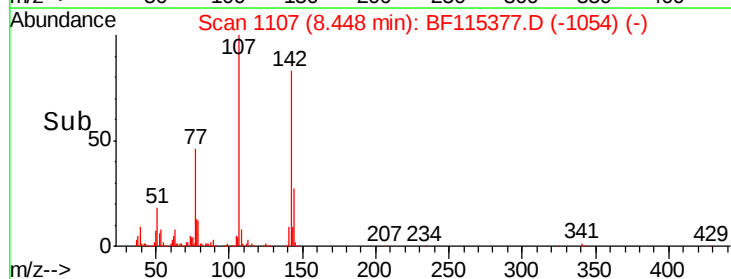
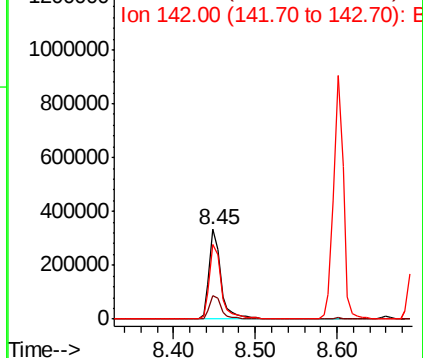


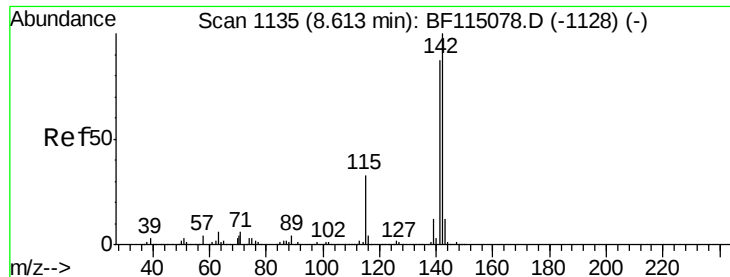
#36
 4-Chloro-3-methylphenol
 Concen: 25.317 ng
 RT: 8.45 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion: 107 Resp: 338696
 Ion Ratio Lower Upper
 107 100
 144 26.7 21.7 32.5
 142 82.9 67.0 100.4



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

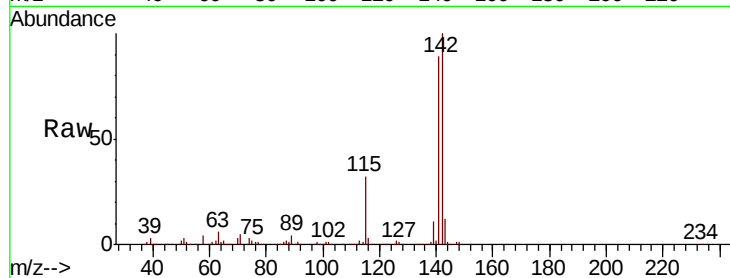




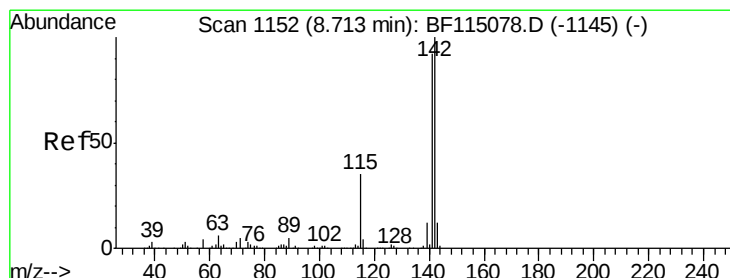
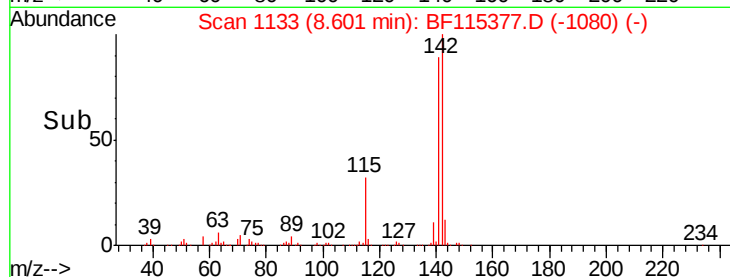
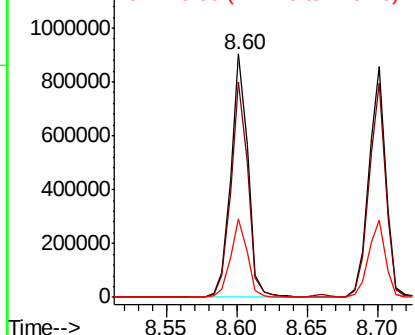
#37
 2-Methylnaphthalene
 Concen: 25.864 ng
 RT: 8.60 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion:142 Resp: 756686
 Ion Ratio Lower Upper
 142 100
 141 88.6 69.8 104.6
 115 32.3 26.7 40.1

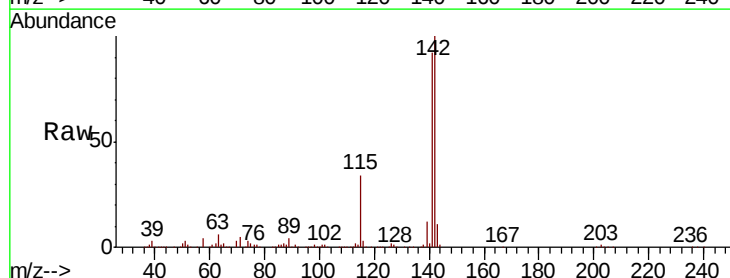


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

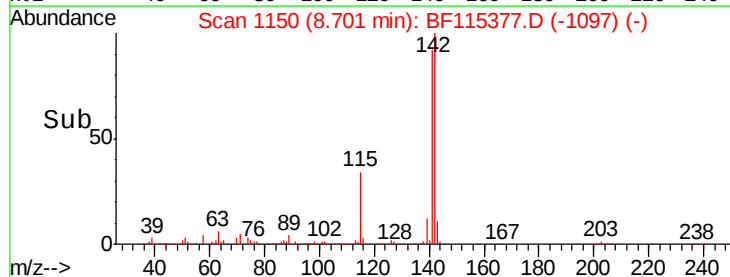
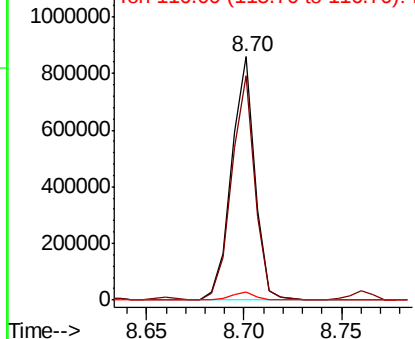


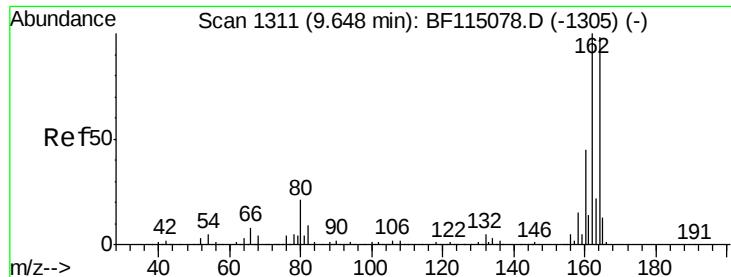
#38
 1-Methylnaphthalene
 Concen: 25.439 ng
 RT: 8.70 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion:142 Resp: 710834
 Ion Ratio Lower Upper
 142 100
 141 92.4 73.8 110.8
 116 3.4 2.8 4.2



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

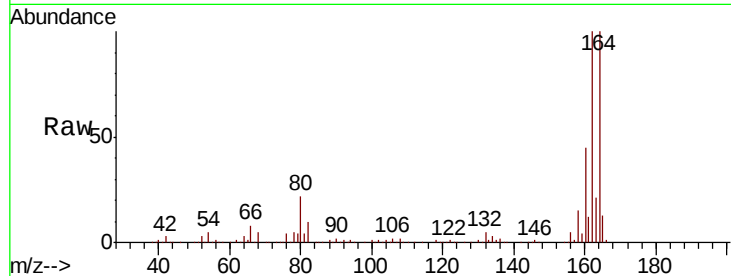




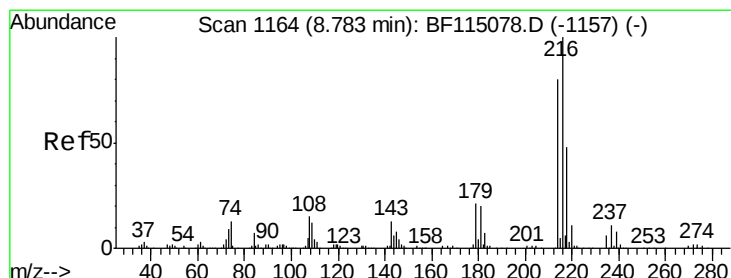
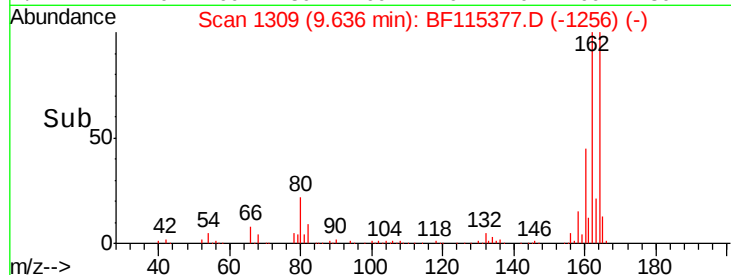
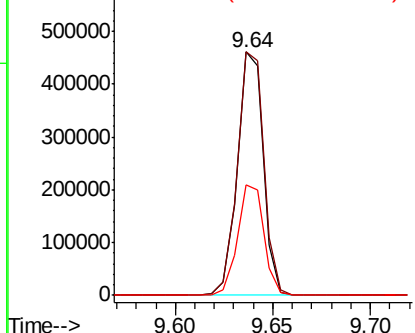
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.64 min Scan# 1309
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion:164 Resp: 422356
 Ion Ratio Lower Upper
 164 100
 162 100.2 81.7 122.5
 160 45.3 37.0 55.4

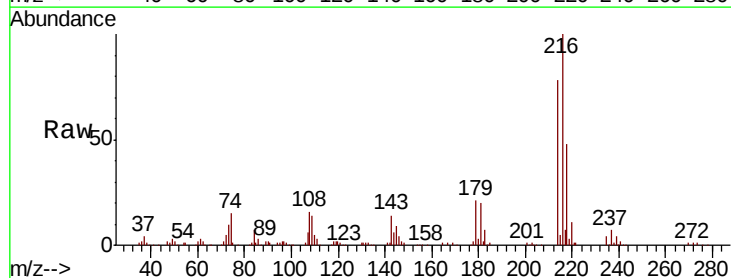


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

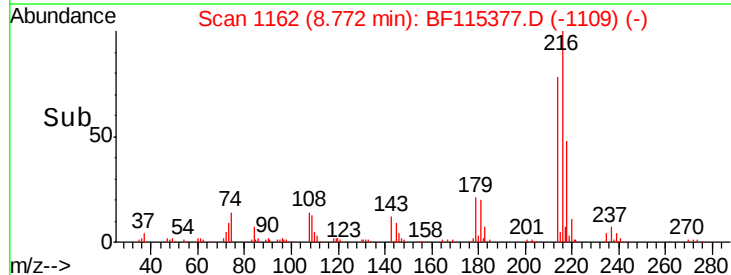
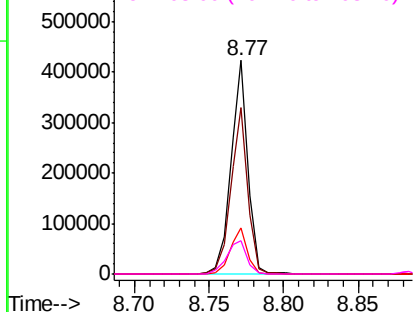


#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 28.403 ng
 RT: 8.77 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion:216 Resp: 338989
 Ion Ratio Lower Upper
 216 100
 214 77.9 63.8 95.6
 179 21.5 17.6 26.4
 108 18.6 15.7 23.5



Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 29.565 ng

RT: 8.76 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

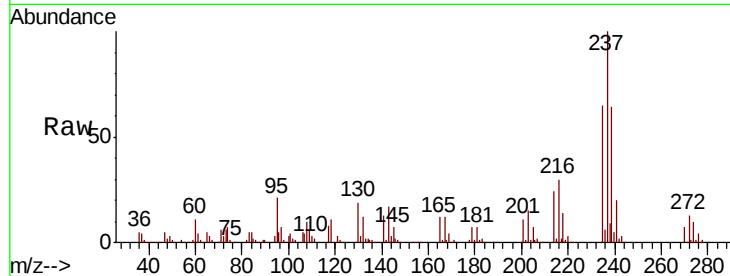
Tgt Ion: 237 Resp: 209231

Ion Ratio Lower Upper

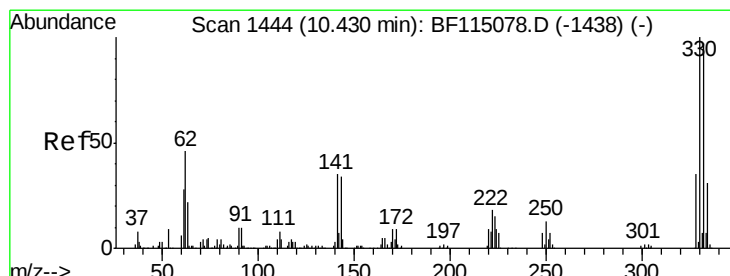
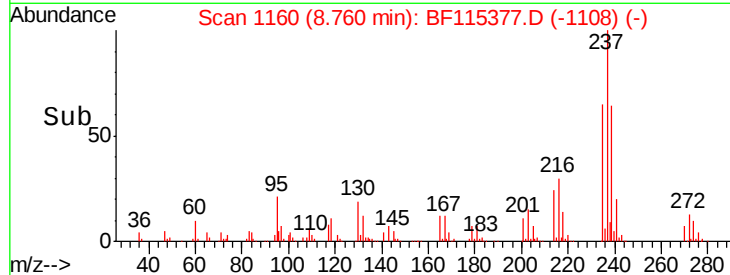
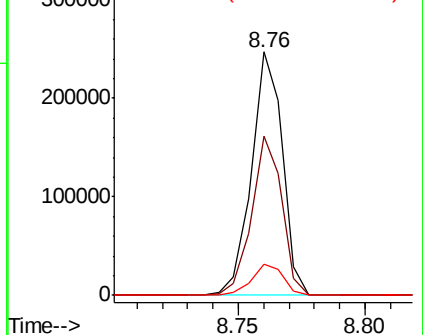
237 100

235 65.2 43.9 83.9

272 12.9 0.0 33.8



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



#42

2,4,6-Tribromophenol

Concen: 75.958 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

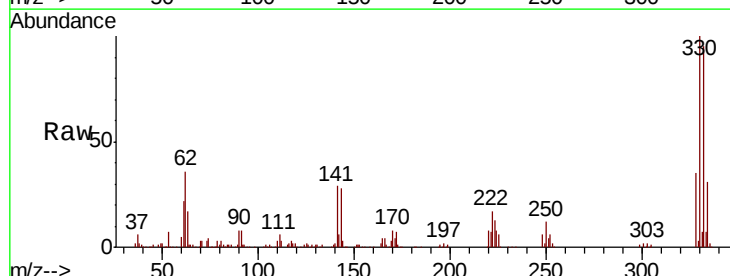
Tgt Ion: 330 Resp: 338310

Ion Ratio Lower Upper

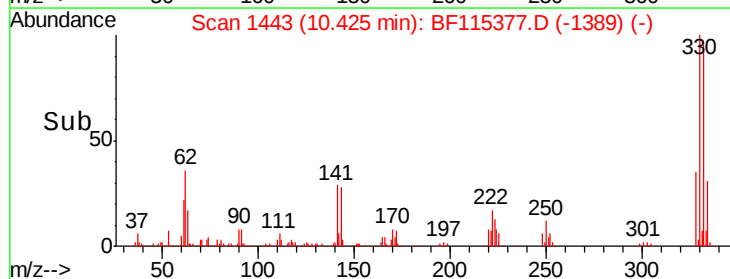
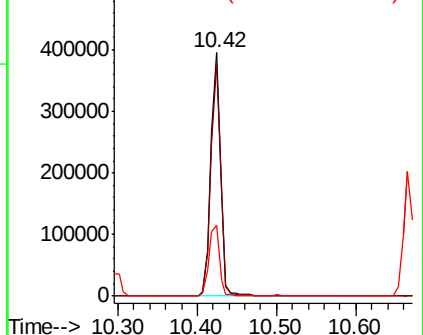
330 100

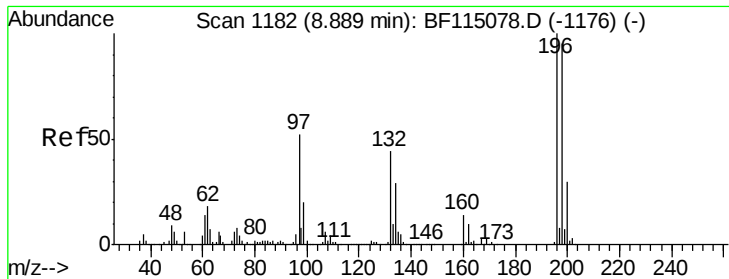
332 94.9 77.3 115.9

141 31.8 28.2 42.2



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

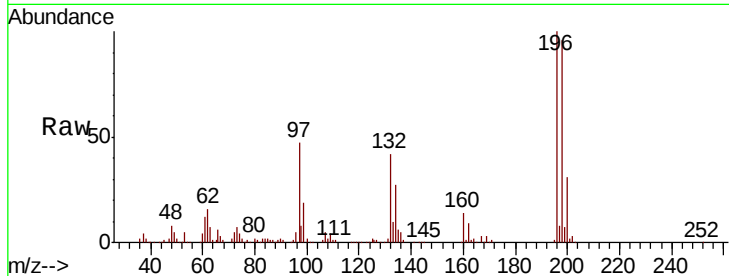




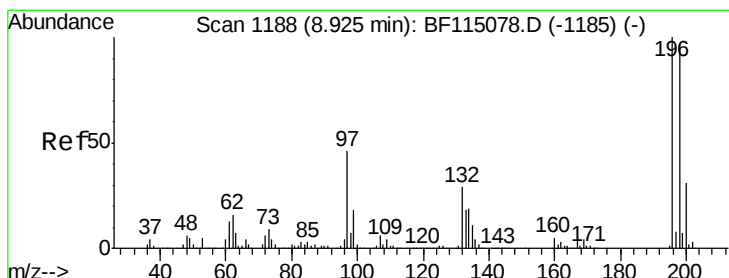
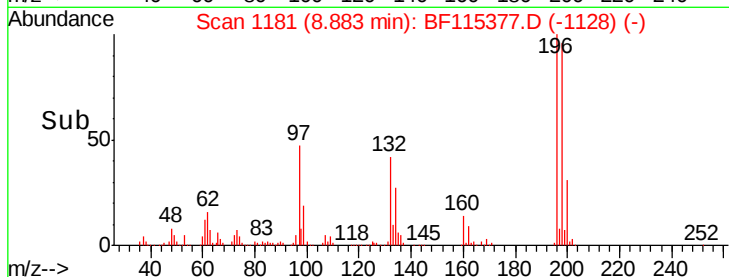
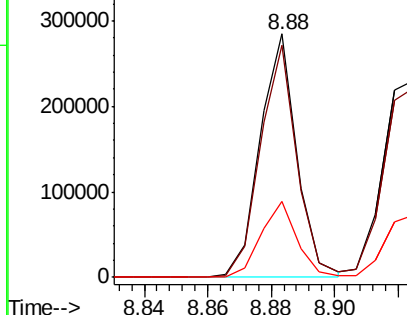
#43
 2,4,6-Trichlorophenol
 Concen: 24.821 ng
 RT: 8.88 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion:196 Resp: 228703
 Ion Ratio Lower Upper
 196 100
 198 95.5 76.3 114.5
 200 31.0 24.2 36.4

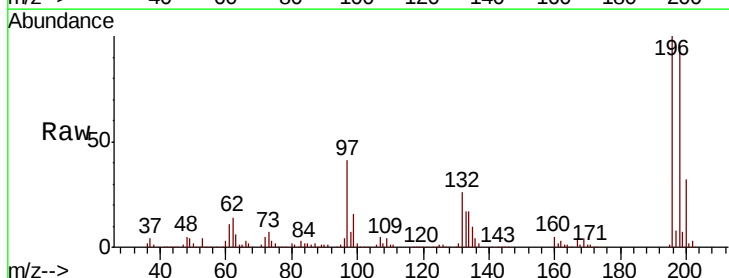


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

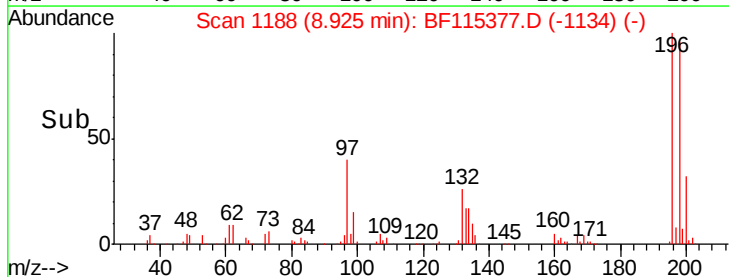
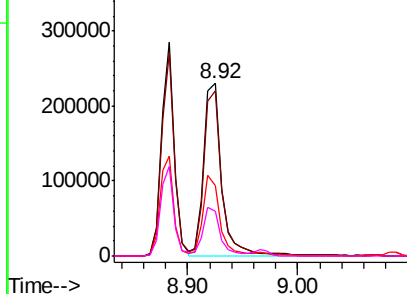


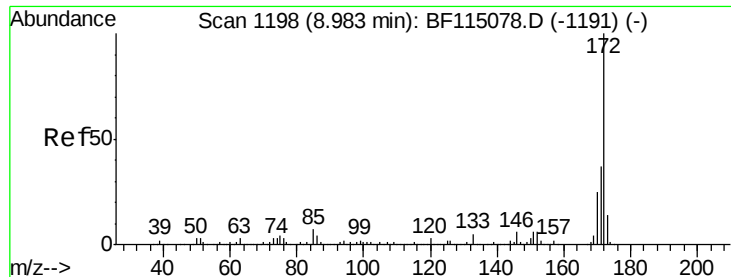
#44
 2,4,5-Trichlorophenol
 Concen: 26.547 ng
 RT: 8.92 min Scan# 1188
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion:196 Resp: 251900
 Ion Ratio Lower Upper
 196 100
 198 96.0 77.1 115.7
 97 40.6 37.7 56.5
 132 26.4 23.1 34.7



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

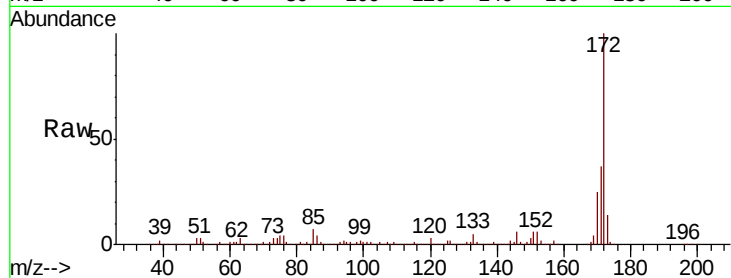




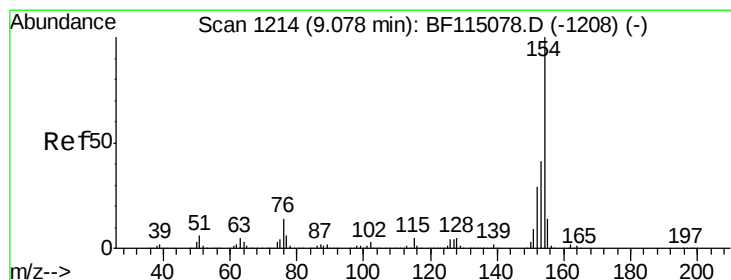
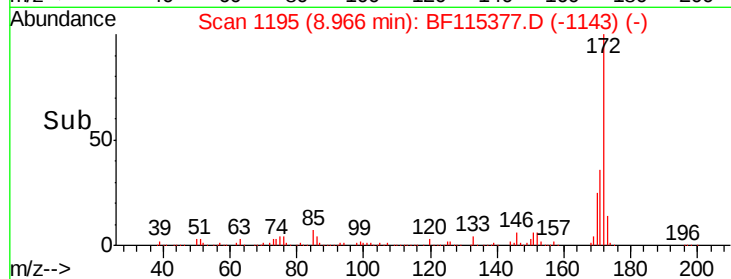
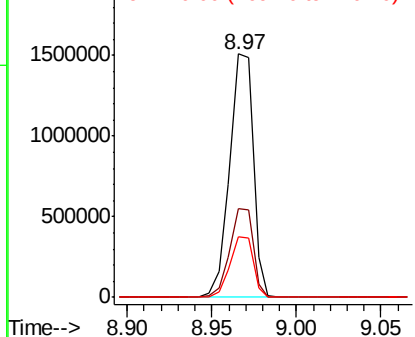
#45
 2-Fluorobiphenyl
 Concen: 59.141 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion:172 Resp: 1470527
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.8 44.6
 170 24.9 20.3 30.5

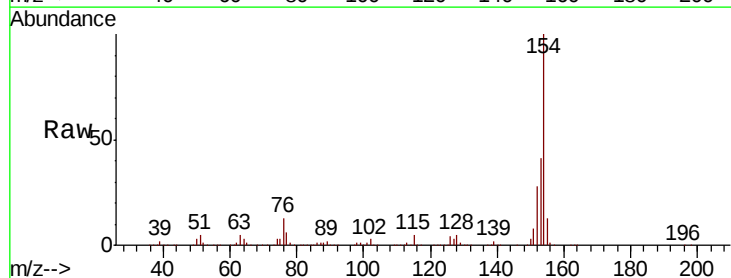


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

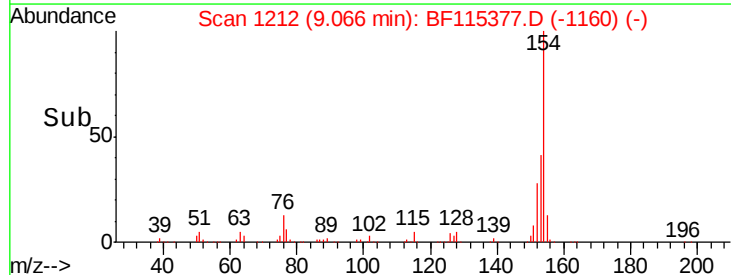
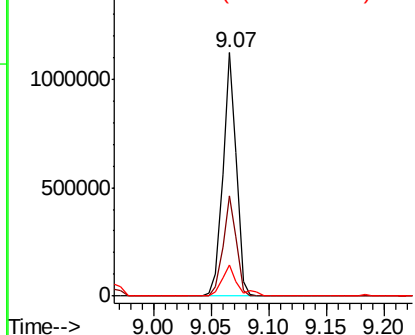


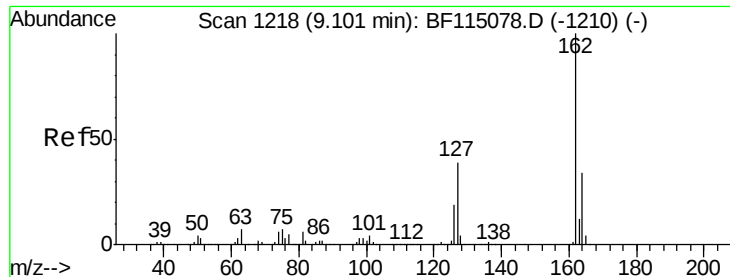
#46
 1,1'-Biphenyl
 Concen: 26.660 ng
 RT: 9.07 min Scan# 1212
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion:154 Resp: 900969
 Ion Ratio Lower Upper
 154 100
 153 41.1 20.9 60.9
 76 13.0 0.0 34.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

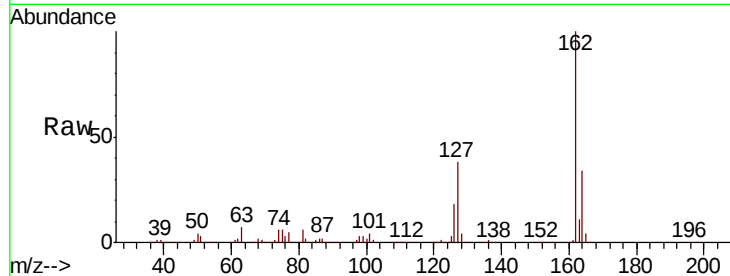




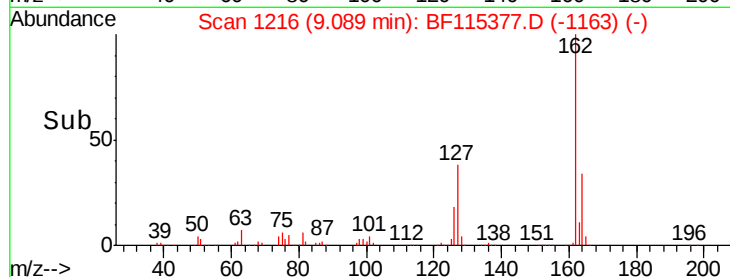
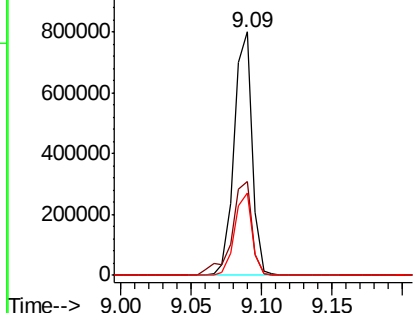
#47
 2-Chloronaphthalene
 Concen: 25.946 ng
 RT: 9.09 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.4	30.8	46.2
164	33.7	27.0	40.4

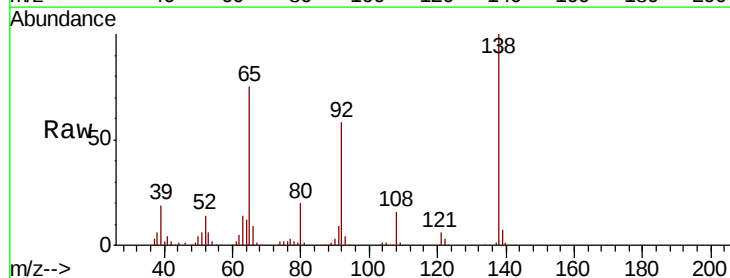


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

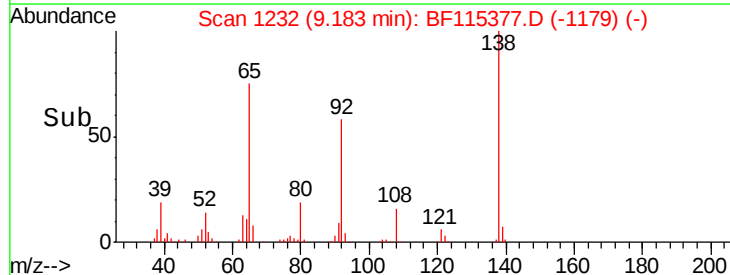
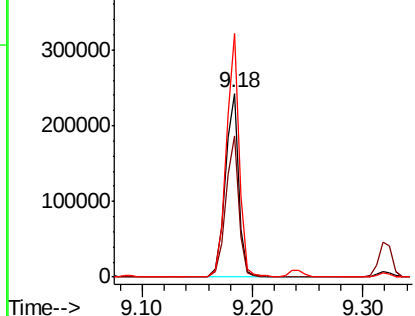


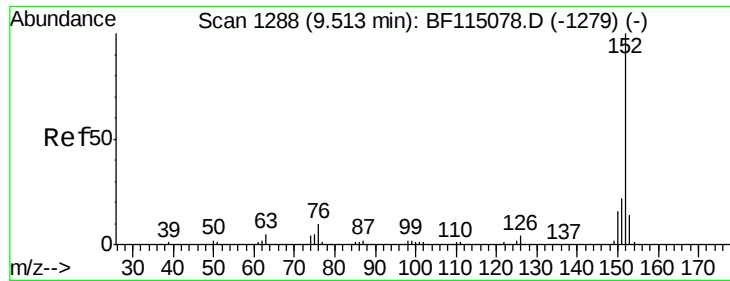
#48
 2-Nitroaniline
 Concen: 25.933 ng
 RT: 9.18 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	76.8	57.4	86.2
138	132.6	94.1	141.1



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 26.382 ng

RT: 9.50 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

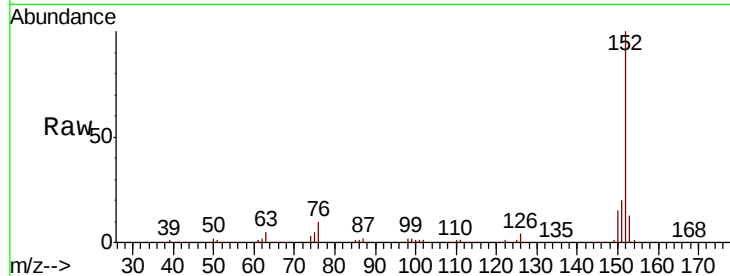
Tgt Ion:152 Resp: 1126782

Ion Ratio Lower Upper

152 100

151 20.5 17.2 25.8

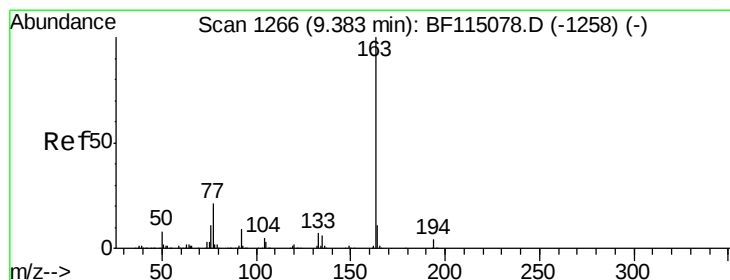
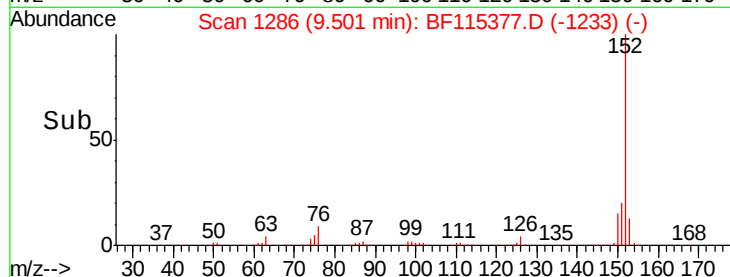
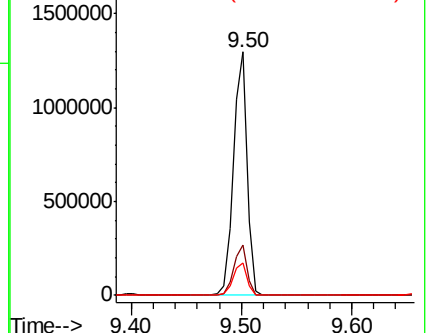
153 13.3 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 33.394 ng

RT: 9.37 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

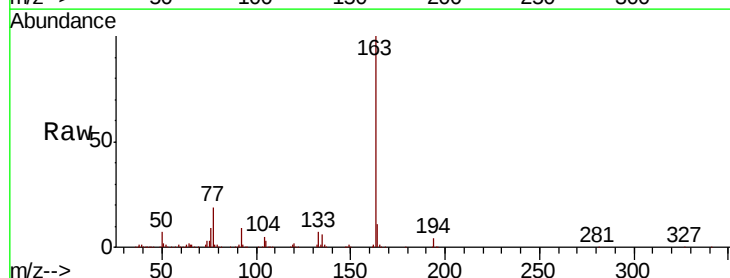
Tgt Ion:163 Resp: 1037678

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

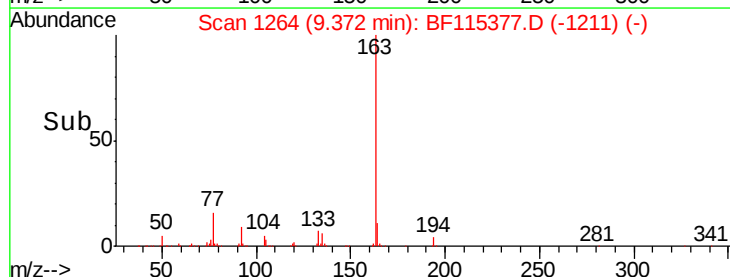
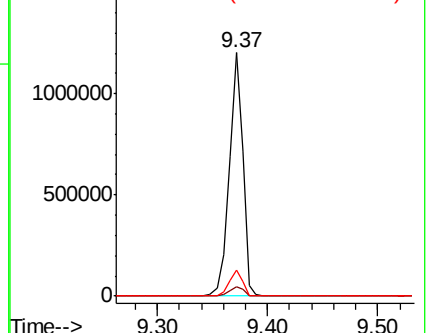
164 10.5 8.6 13.0

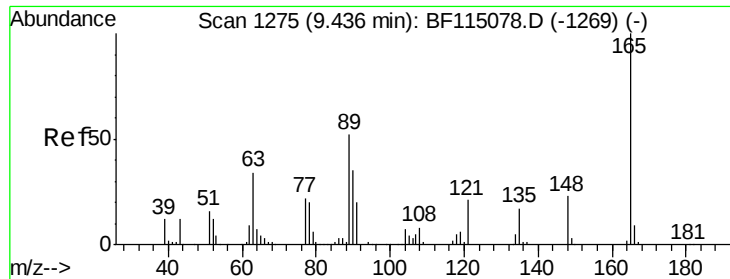


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

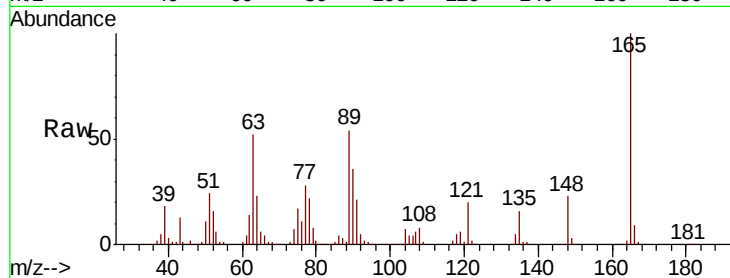




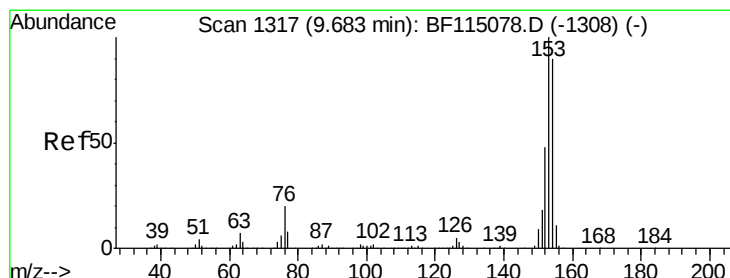
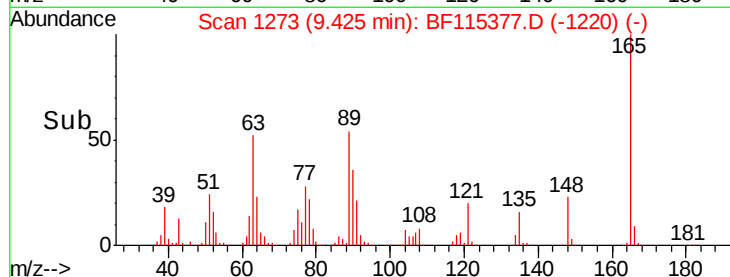
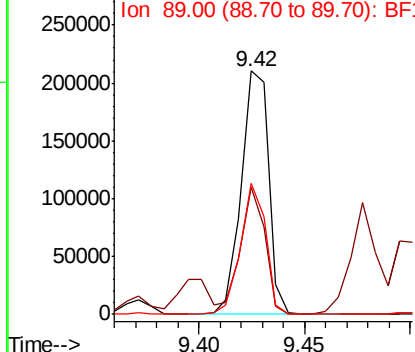
#51
 2,6-Dinitrotoluene
 Concen: 26.353 ng
 RT: 9.42 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion:165 Resp: 189052
 Ion Ratio Lower Upper
 165 100
 63 52.3 39.4 59.2
 89 53.6 42.0 63.0

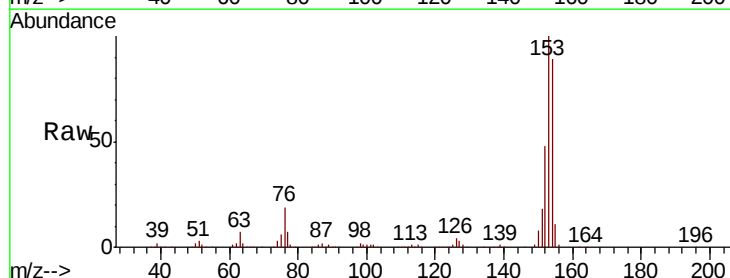


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

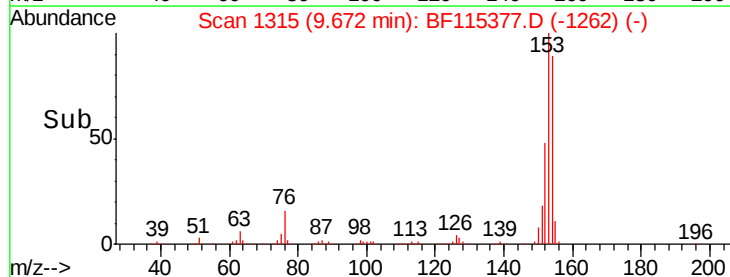
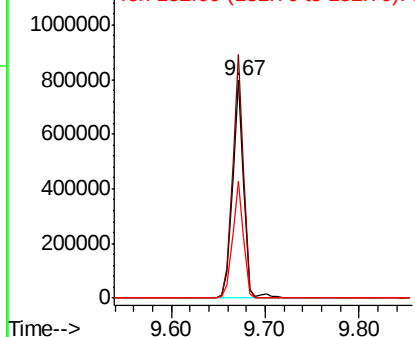


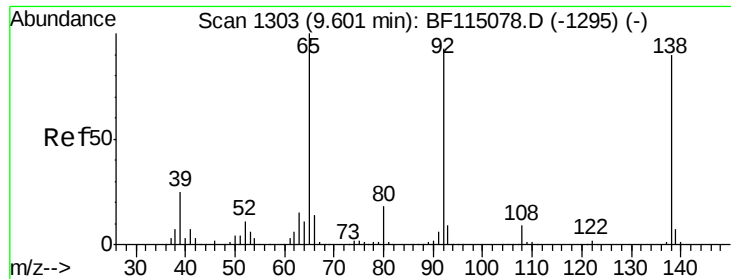
#52
 Acenaphthene
 Concen: 24.463 ng
 RT: 9.67 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion:154 Resp: 653785
 Ion Ratio Lower Upper
 154 100
 153 111.9 88.7 133.1
 152 53.8 42.6 64.0



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

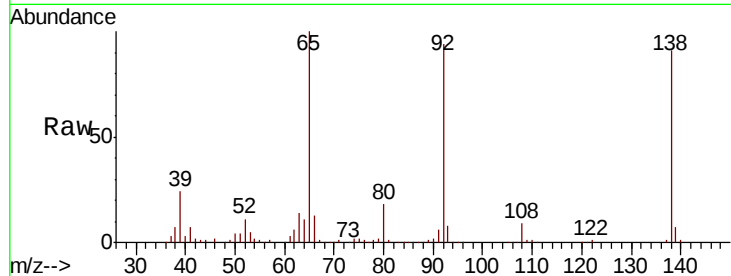




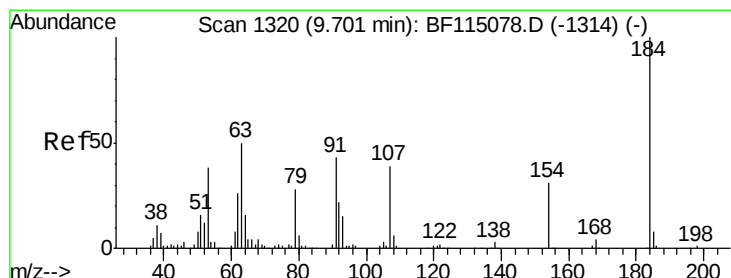
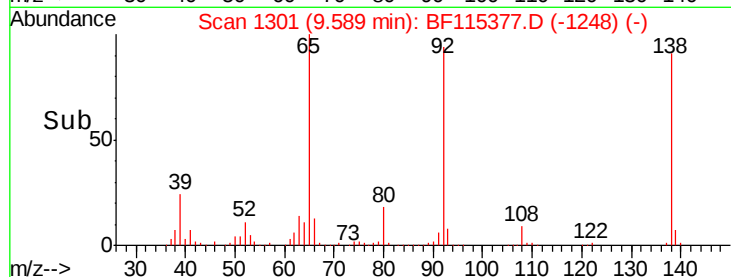
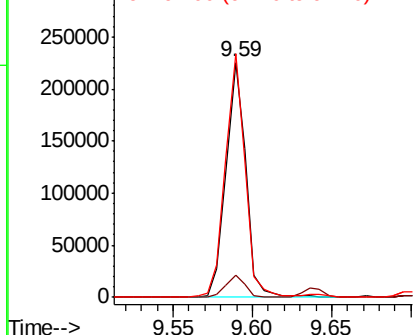
#53
 3-Nitroaniline
 Concen: 22.371 ng
 RT: 9.59 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion:138 Resp: 195844
 Ion Ratio Lower Upper
 138 100
 108 9.4 7.8 11.6
 92 103.6 82.9 124.3

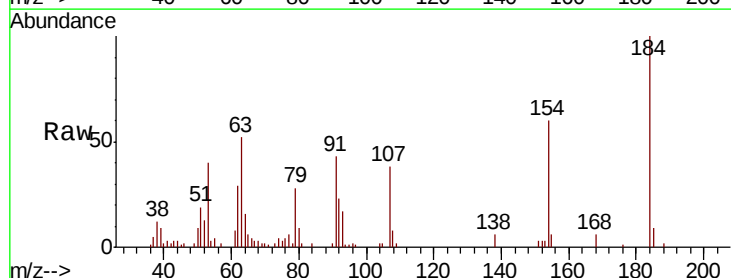


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

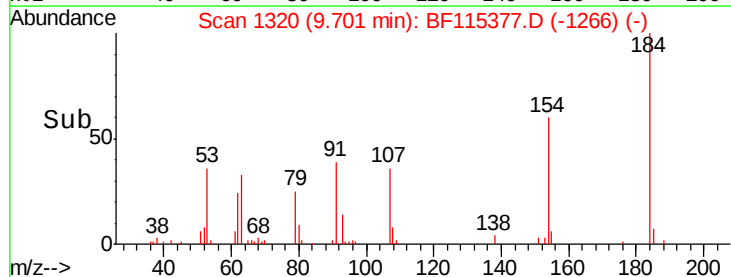
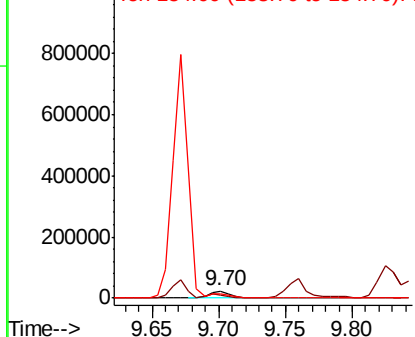


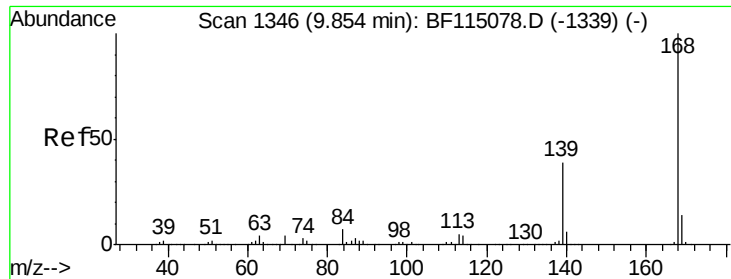
#54
 2,4-Dinitrophenol
 Concen: 14.136 ng
 RT: 9.70 min Scan# 1320
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion:184 Resp: 27608
 Ion Ratio Lower Upper
 184 100
 63 52.0 41.9 62.9
 154 60.3 44.7 67.1



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

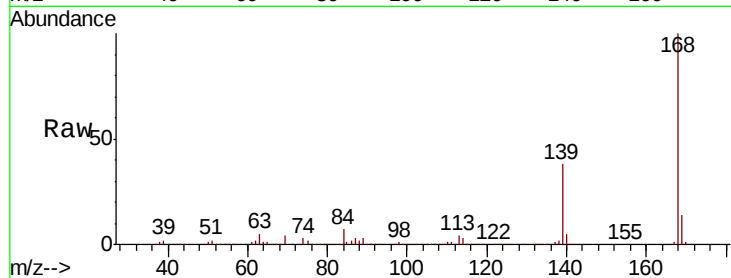




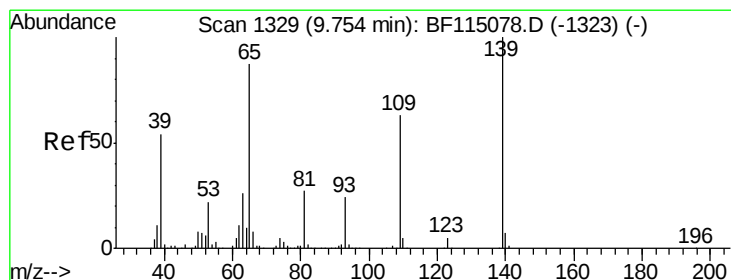
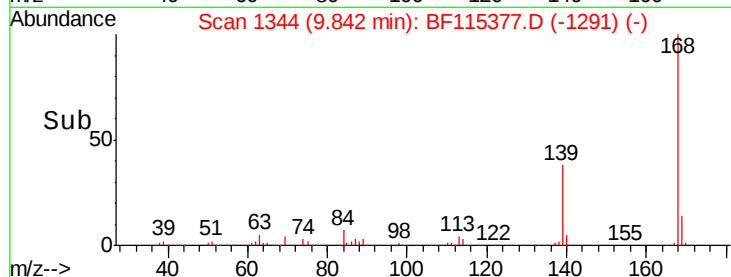
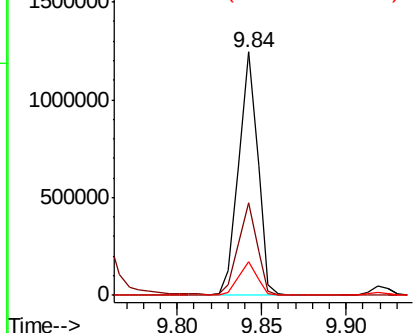
#55
Dibenzenofuran
Concen: 25.511 ng
RT: 9.84 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion:168 Resp: 978542
Ion Ratio Lower Upper
168 100
139 37.8 31.1 46.7
169 13.8 11.3 16.9

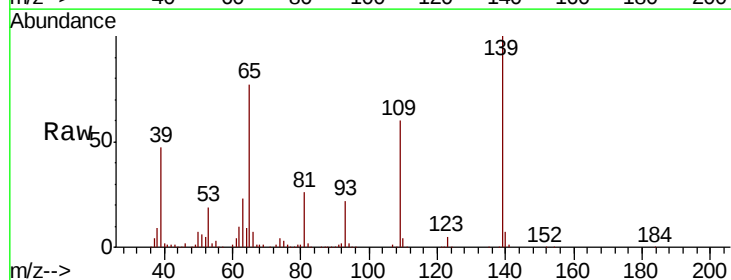


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

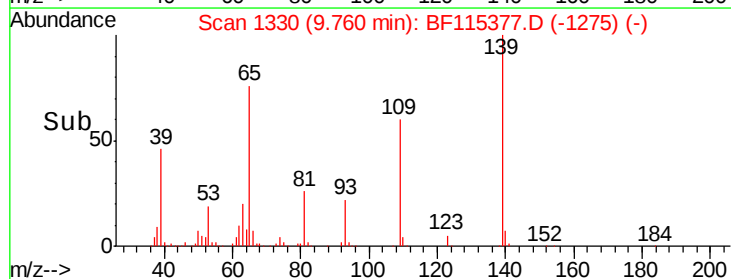
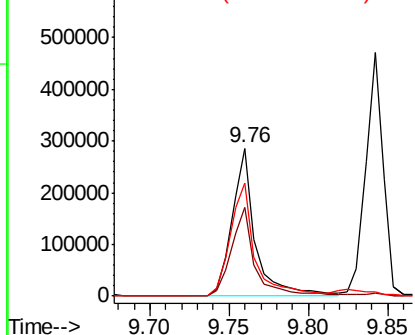


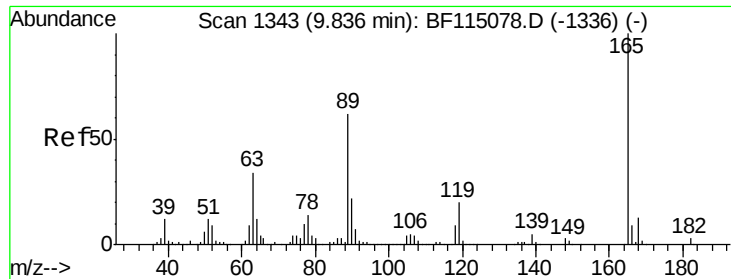
#56
4-Nitrophenol
Concen: 41.346 ng
RT: 9.76 min Scan# 1330
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:139 Resp: 290191
Ion Ratio Lower Upper
139 100
109 59.6 43.0 83.0
65 76.7 67.0 107.0



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

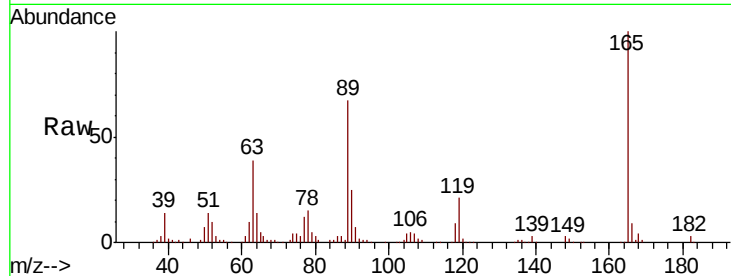




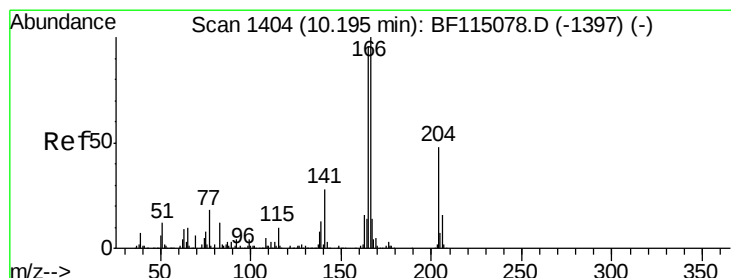
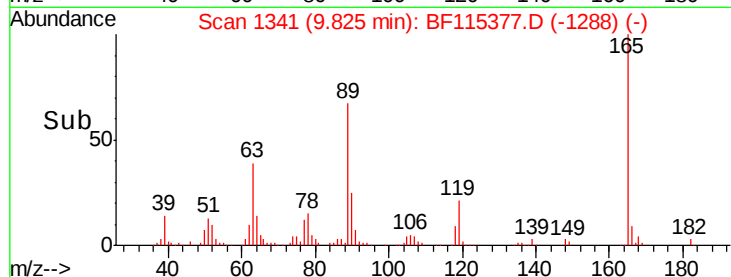
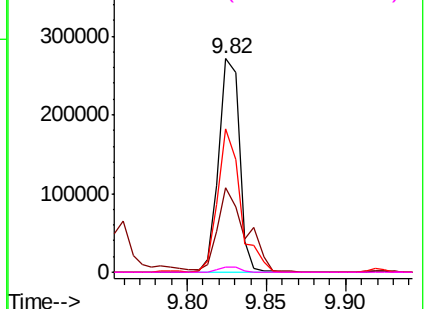
#57
2,4-Dinitrotoluene
Concen: 26.751 ng
RT: 9.82 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion:	165	Resp:	247794
Ion	Ratio	Lower	Upper
165	100		
63	39.4	27.5	41.3
89	67.1	49.9	74.9
182	2.6	2.1	3.1

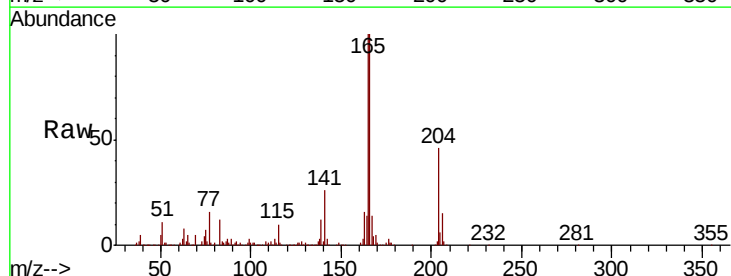


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

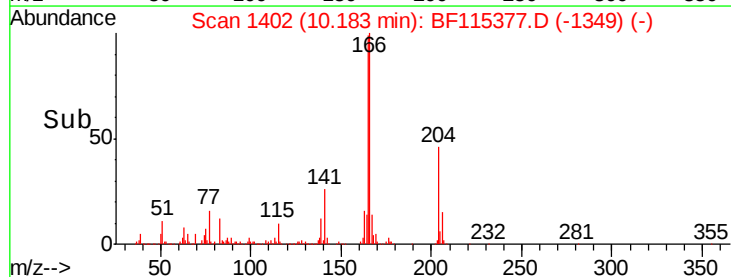
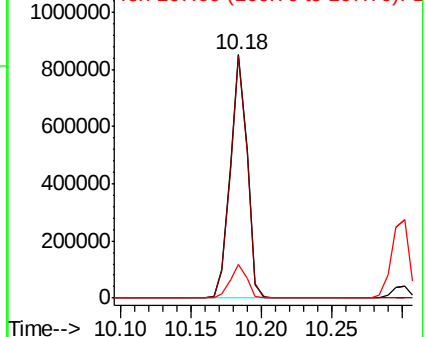


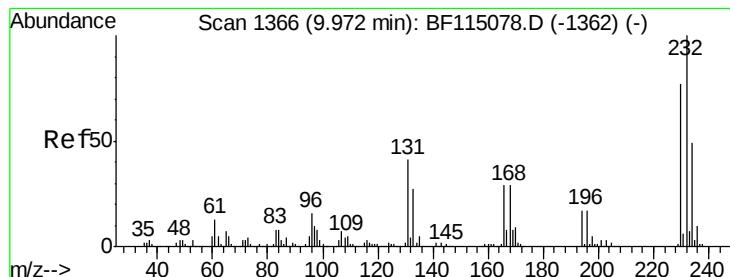
#58
Fluorene
Concen: 24.639 ng
RT: 10.18 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:	166	Resp:	705362
Ion	Ratio	Lower	Upper
166	100		
165	99.5	76.5	114.7
167	13.7	11.0	16.4



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

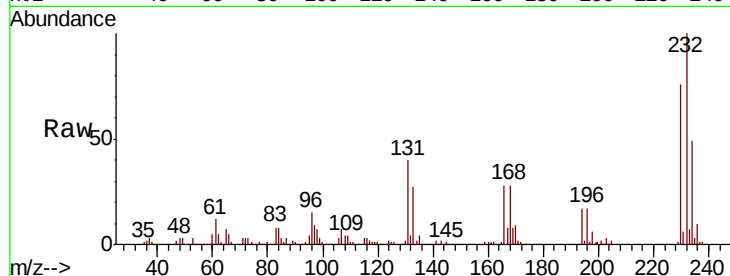




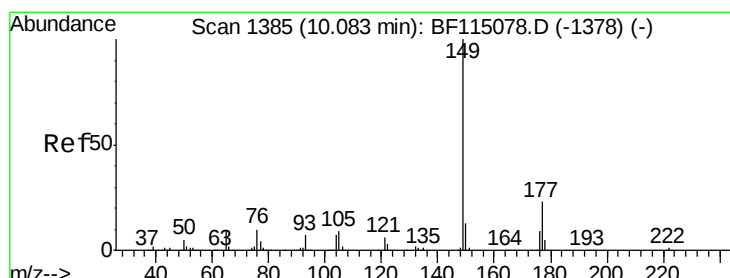
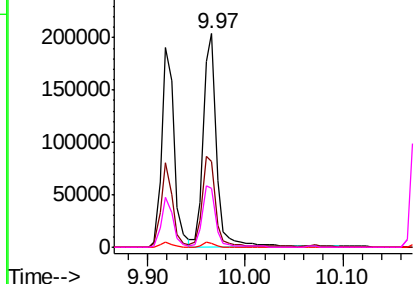
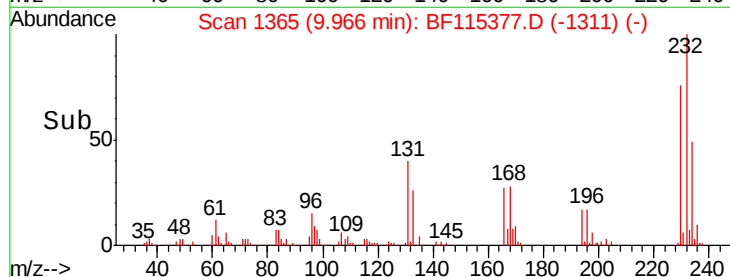
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 24.348 ng
 RT: 9.97 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion: 232 Resp: 193726
 Ion Ratio Lower Upper
 232 100
 131 44.5 37.4 56.0
 130 2.0 1.8 2.6
 166 29.3 24.6 36.8

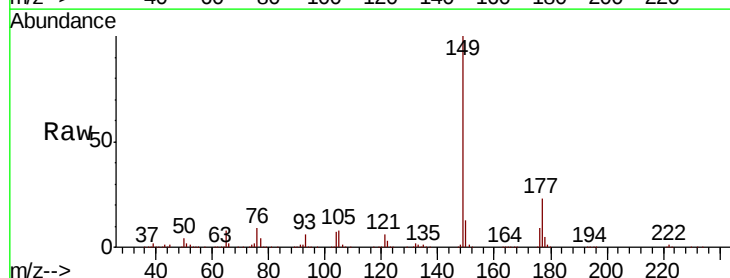


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

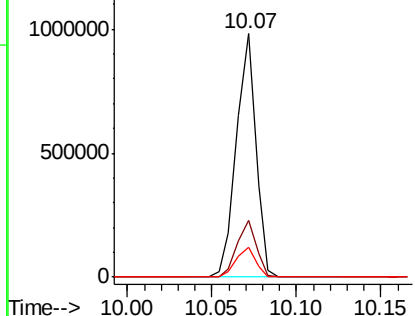
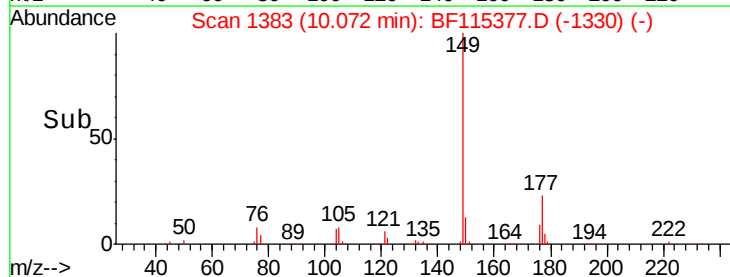


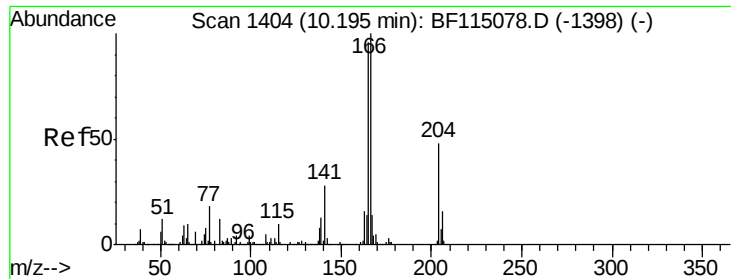
#60
 Diethylphthalate
 Concen: 25.276 ng
 RT: 10.07 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion: 149 Resp: 789518
 Ion Ratio Lower Upper
 149 100
 177 23.1 18.7 28.1
 150 12.5 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

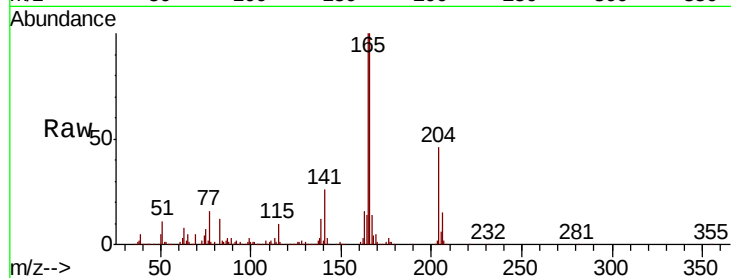




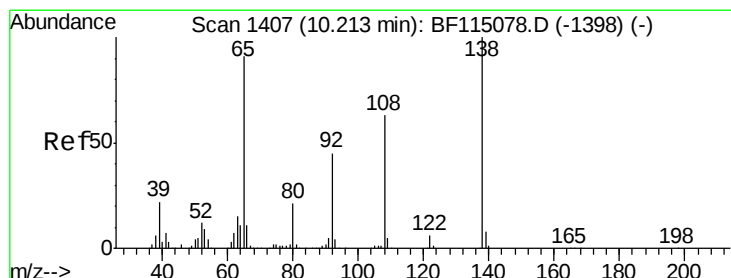
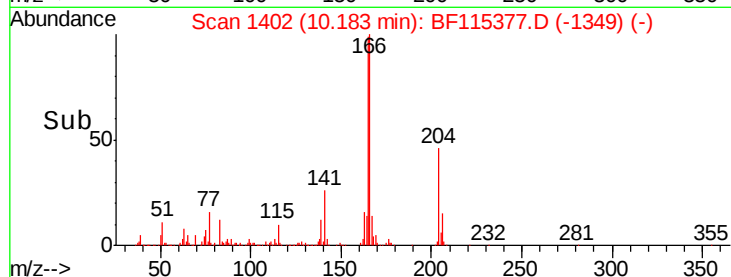
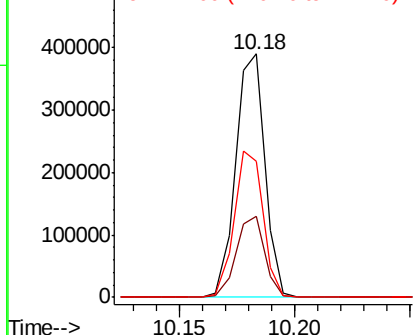
#61
4-Chlorophenyl-phenylether
Concen: 25.467 ng
RT: 10.18 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion:204 Resp: 344920
Ion Ratio Lower Upper
204 100
206 33.1 26.6 40.0
141 55.8 46.7 70.1

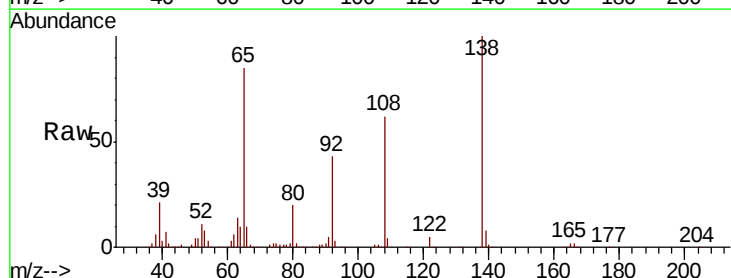


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

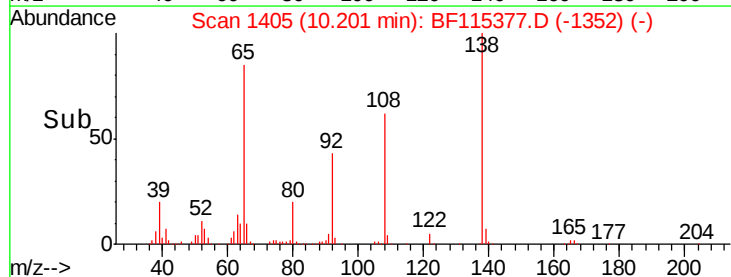
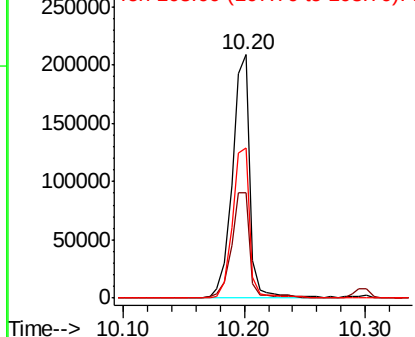


#62
4-Nitroaniline
Concen: 24.106 ng
RT: 10.20 min Scan# 1405
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:138 Resp: 211709
Ion Ratio Lower Upper
138 100
92 43.0 24.8 64.8
108 61.9 43.3 83.3



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





#63

Azobenzene

Concen: 24.195 ng

RT: 10.34 min Scan# 1429

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

Tgt Ion: 77 Resp: 705895

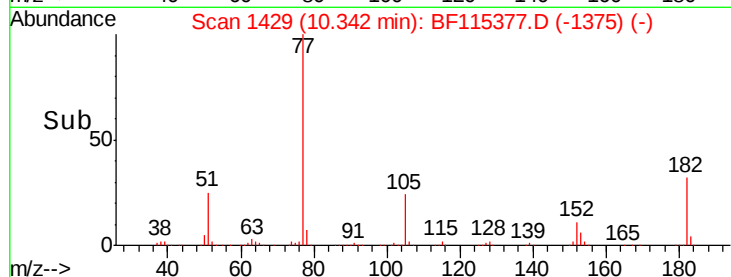
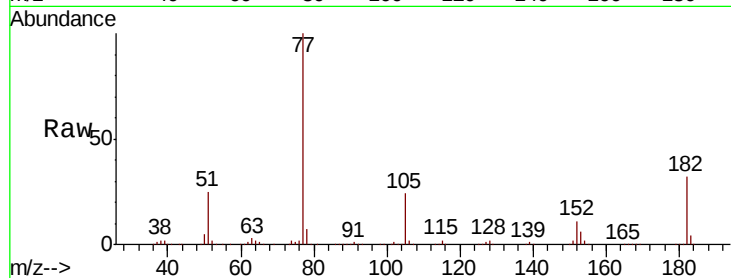
Ion Ratio Lower Upper

77 100

182 31.8 10.1 50.1

105 24.3 4.5 44.5

51 25.4 6.4 46.4

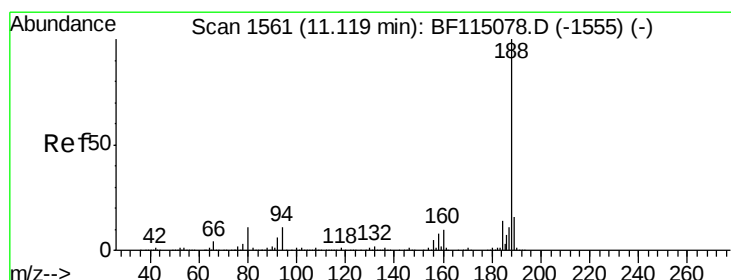
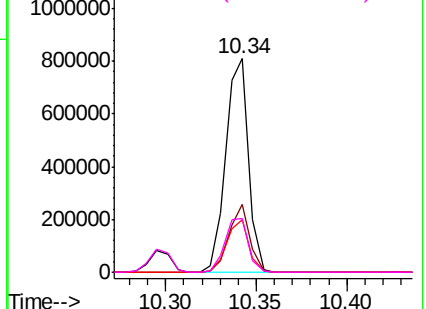


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1560

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

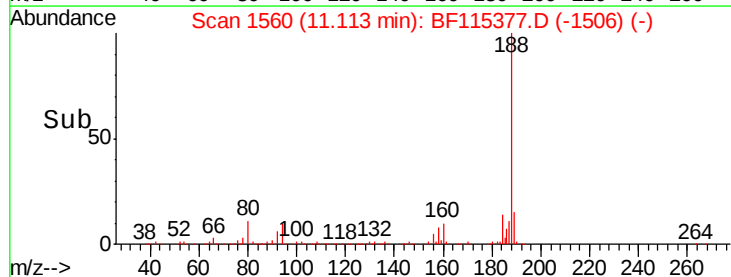
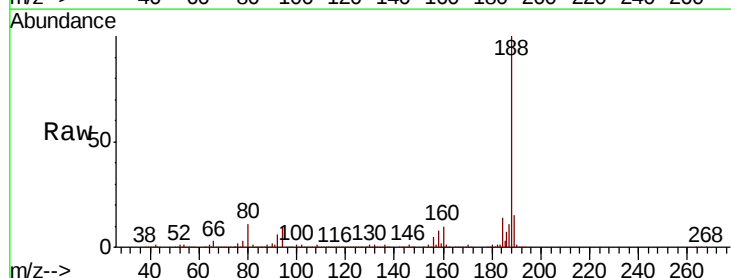
Tgt Ion: 188 Resp: 810723

Ion Ratio Lower Upper

188 100

94 9.7 8.6 12.8

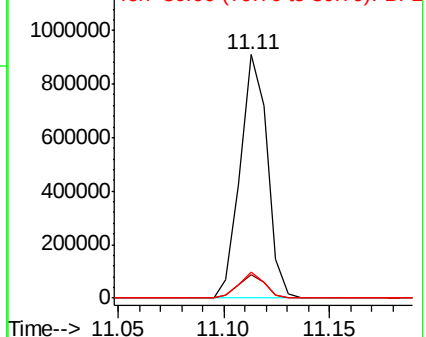
80 10.7 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

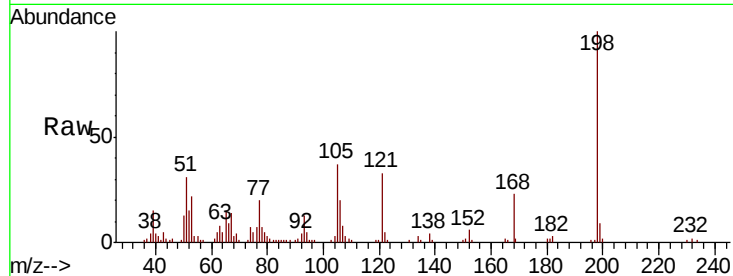




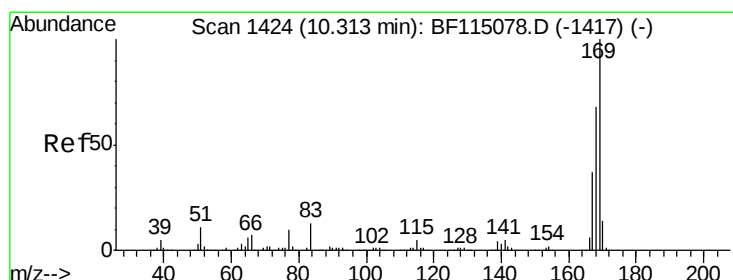
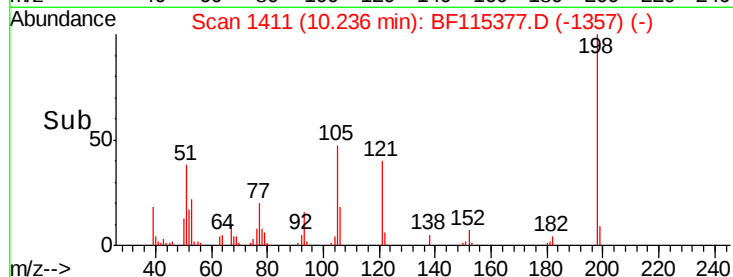
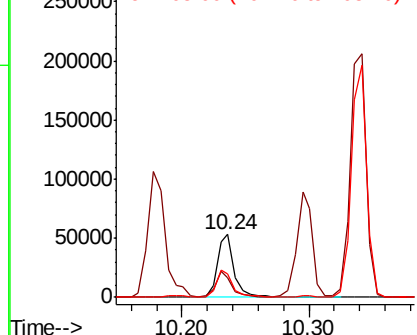
#65
 4,6-Dinitro-2-methylphenol
 Concen: 15.339 ng
 RT: 10.24 min Scan# 1411
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion:198 Resp: 49930
 Ion Ratio Lower Upper
 198 100
 51 30.6 11.0 51.0
 105 37.3 17.3 57.3

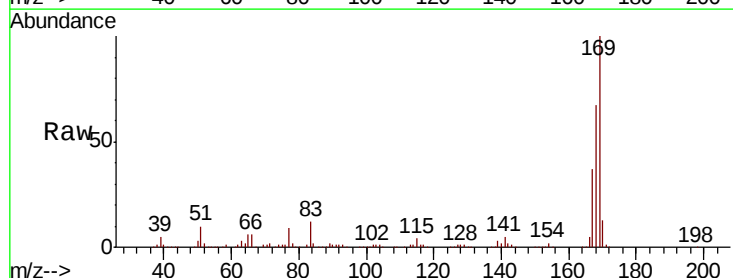


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

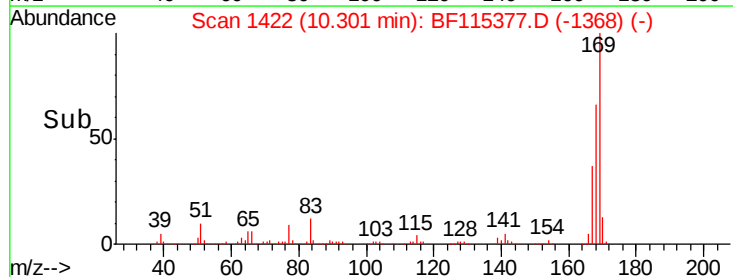
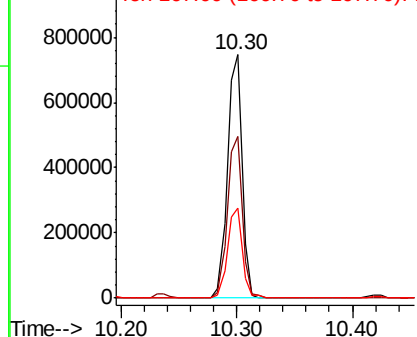


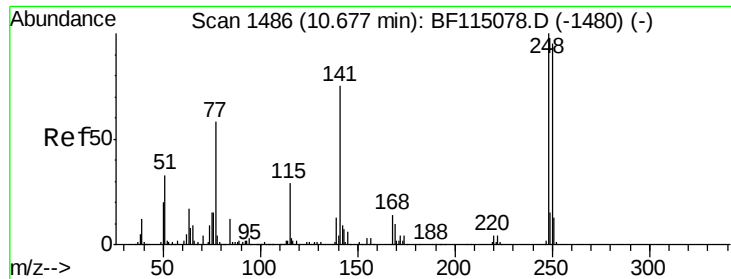
#66
 n-Nitrosodiphenylamine
 Concen: 25.975 ng
 RT: 10.30 min Scan# 1422
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion:169 Resp: 656086
 Ion Ratio Lower Upper
 169 100
 168 66.5 54.2 81.4
 167 37.0 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

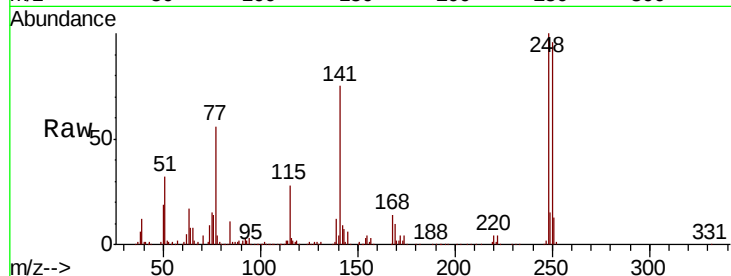




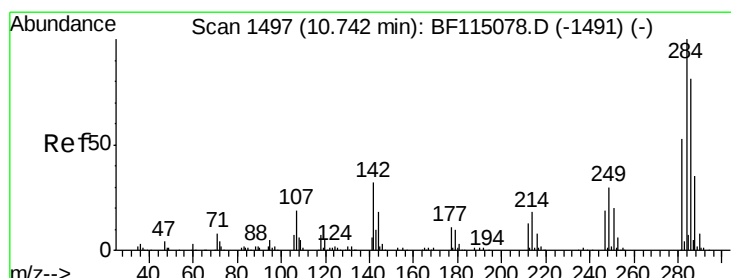
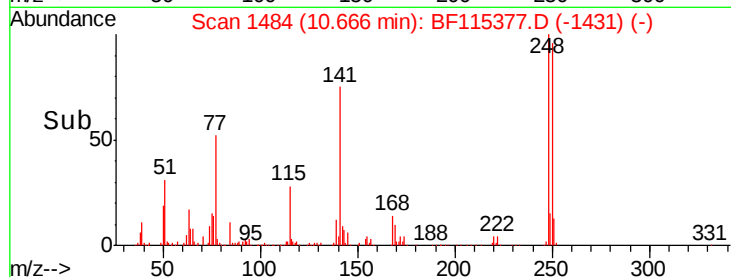
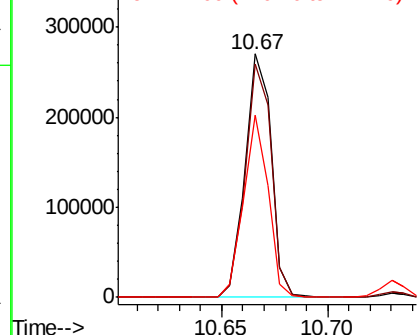
#67
4-Bromophenyl-phenylether
Concen: 26.294 ng
RT: 10.67 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion:248 Resp: 231125
Ion Ratio Lower Upper
248 100
250 96.1 76.2 114.2
141 74.7 59.6 89.4

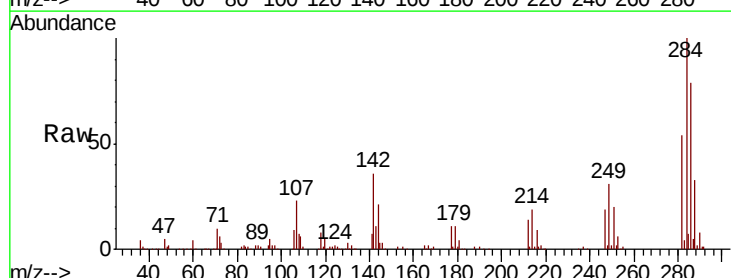


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

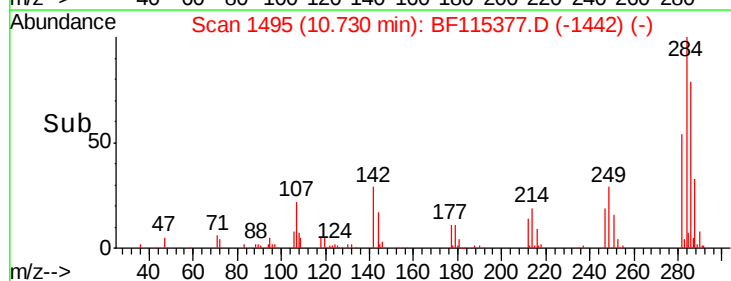
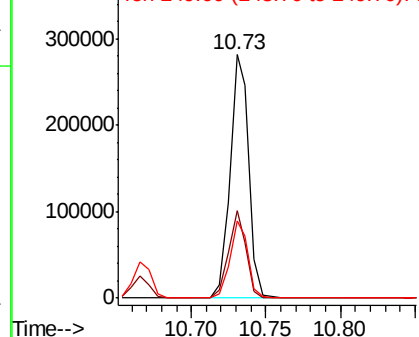


#68
Hexachlorobenzene
Concen: 26.097 ng
RT: 10.73 min Scan# 1495
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:284 Resp: 248989
Ion Ratio Lower Upper
284 100
142 36.1 25.8 38.8
249 31.5 24.2 36.4



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

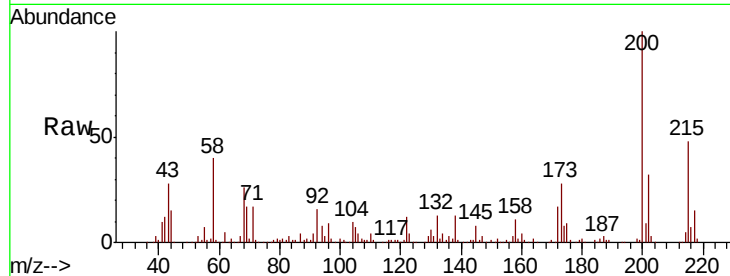




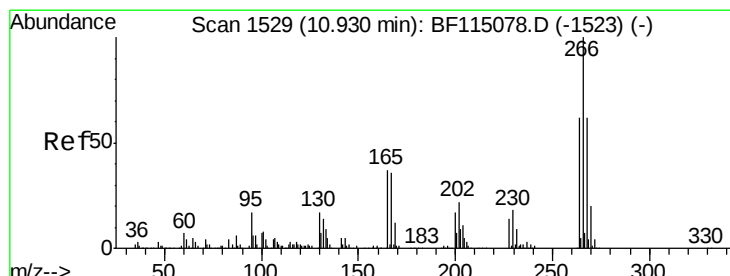
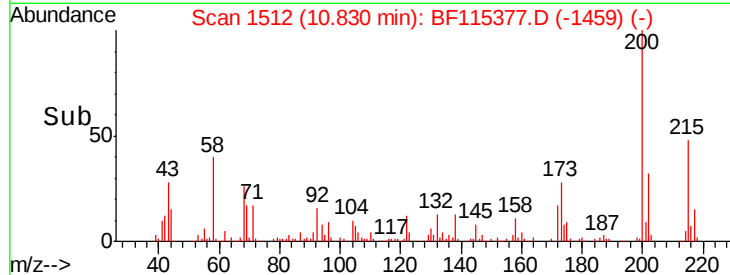
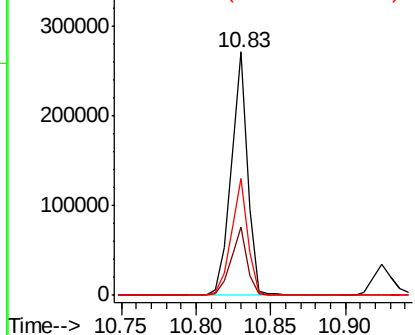
#69
 Atrazine
 Concen: 26.457 ng
 RT: 10.83 min Scan# 1512
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.4	47.4
215	47.9	27.8	67.8

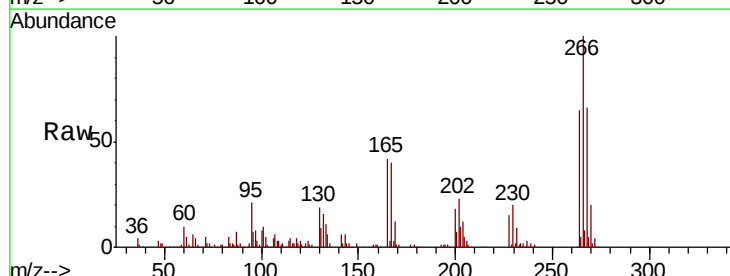


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

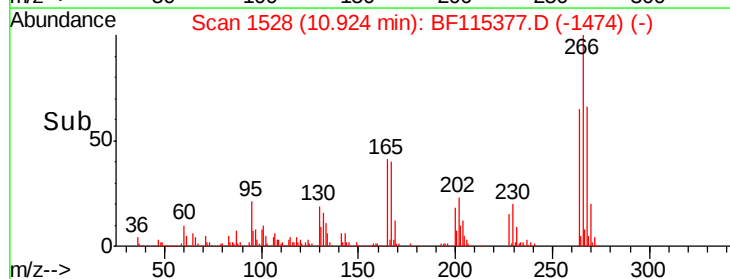
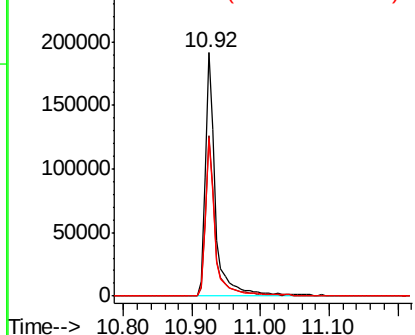


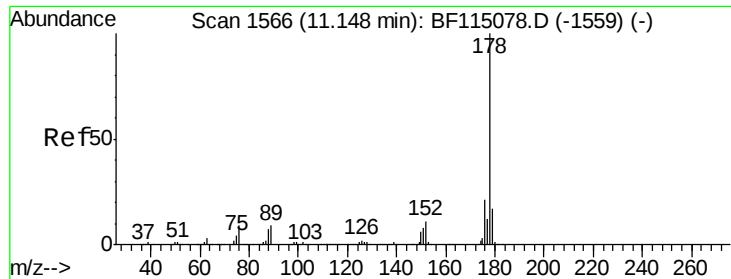
#70
 Pentachlorophenol
 Concen: 33.812 ng
 RT: 10.92 min Scan# 1528
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.7	49.5	74.3
264	65.0	49.3	73.9



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





#71

Phenanthrene

Concen: 25.181 ng

RT: 11.14 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

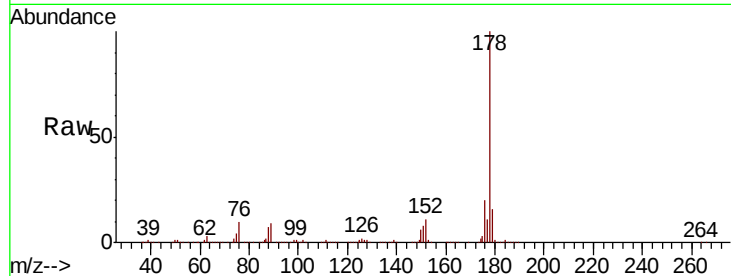
Tgt Ion:178 Resp: 1099178

Ion Ratio Lower Upper

178 100

176 20.0 16.9 25.3

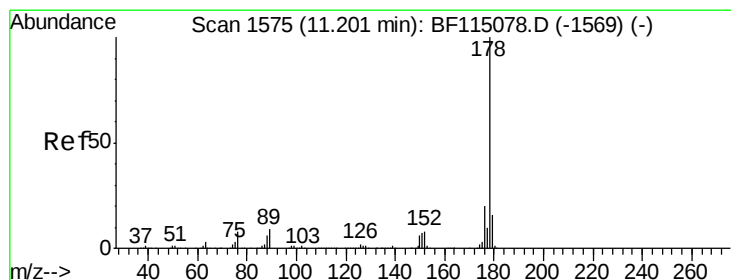
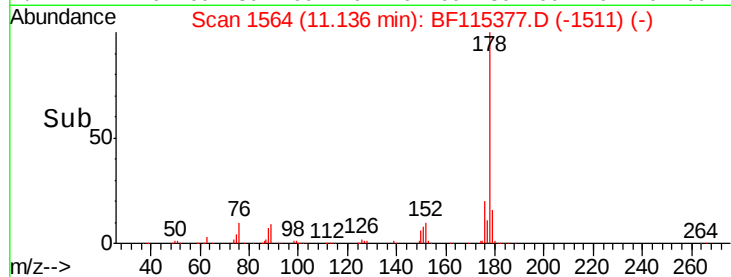
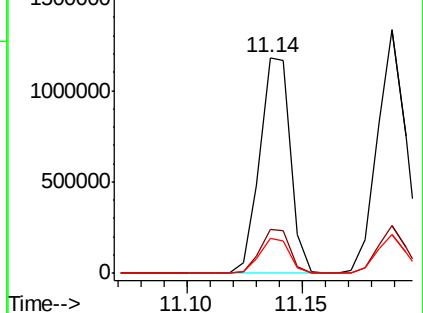
179 16.1 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 25.770 ng

RT: 11.19 min Scan# 1573

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

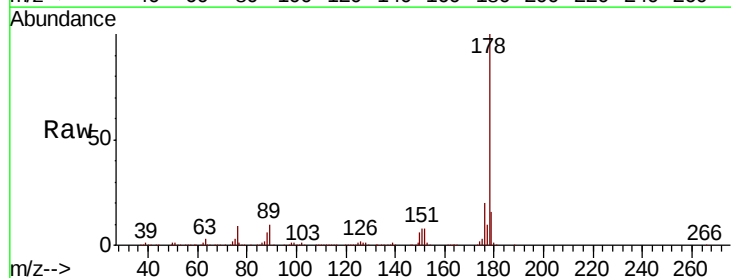
Tgt Ion:178 Resp: 1135501

Ion Ratio Lower Upper

178 100

176 19.6 16.1 24.1

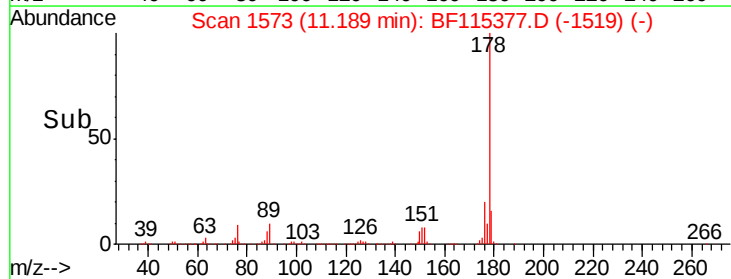
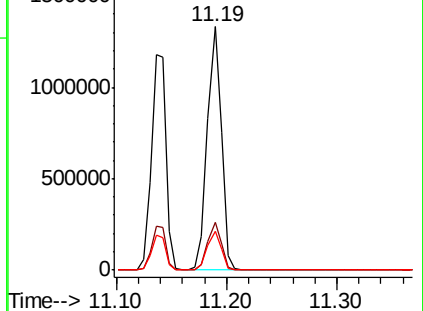
179 16.0 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

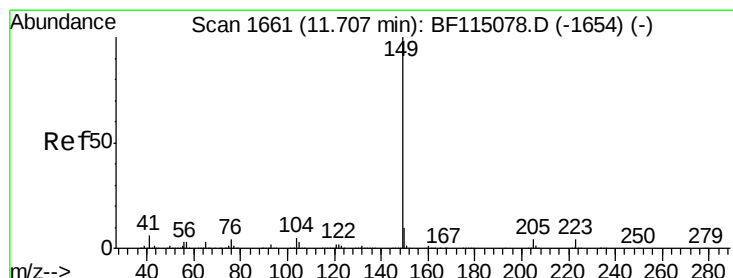
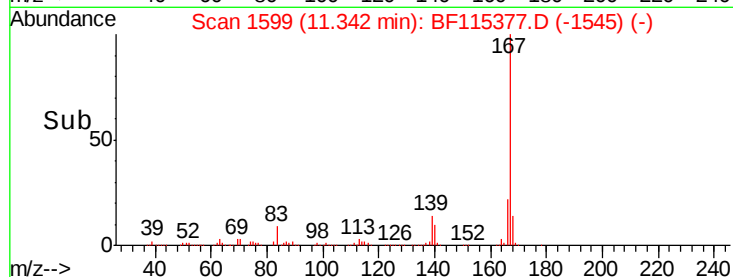
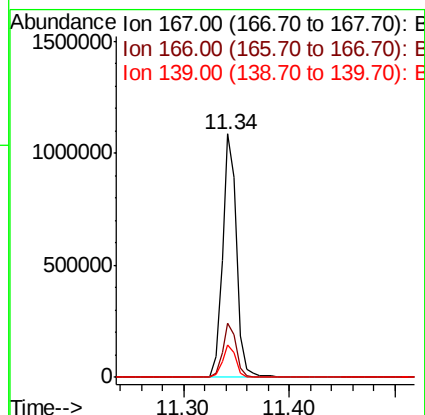
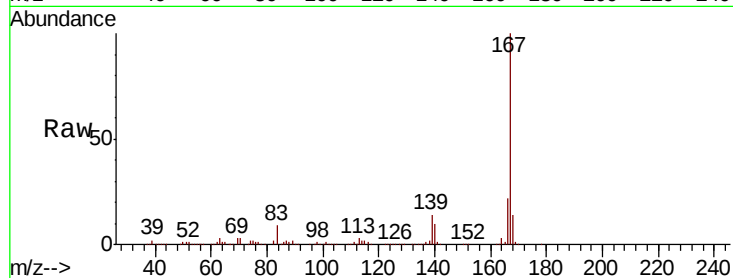




#73
 Carbazole
 Concen: 25.914 ng
 RT: 11.34 min Scan# 1599
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

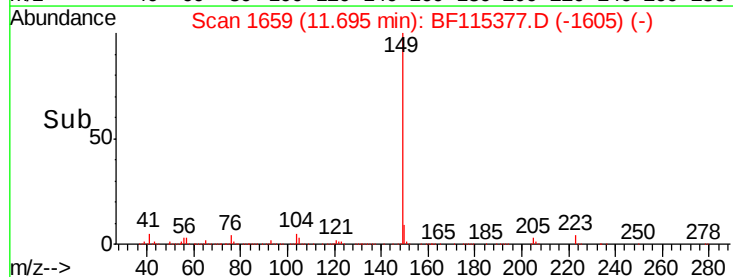
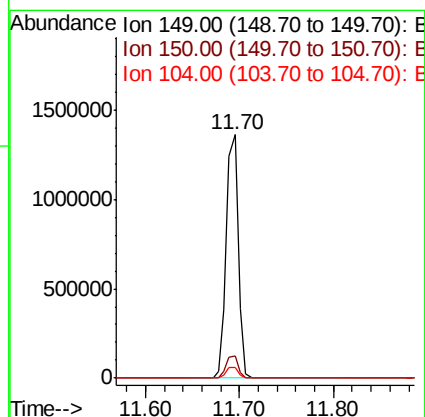
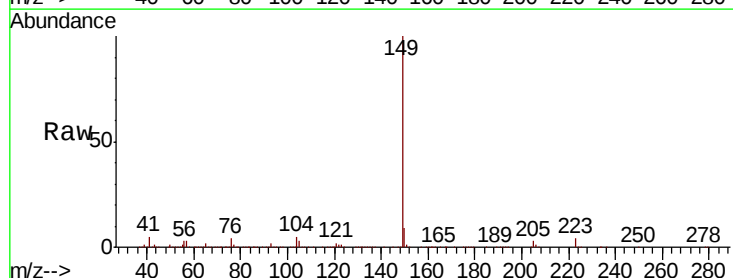
Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

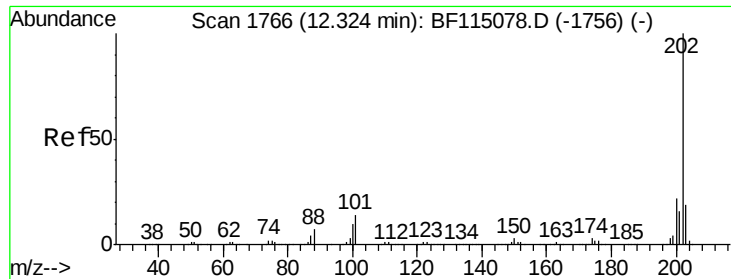
Tgt Ion:167 Resp: 1019628
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.0 27.0
 139 13.5 11.1 16.7



#74
 Di-n-butylphthalate
 Concen: 26.843 ng
 RT: 11.70 min Scan# 1659
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion:149 Resp: 1220439
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.8 11.8
 104 4.5 3.7 5.5

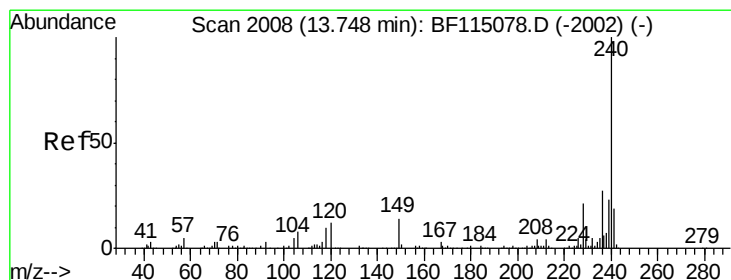
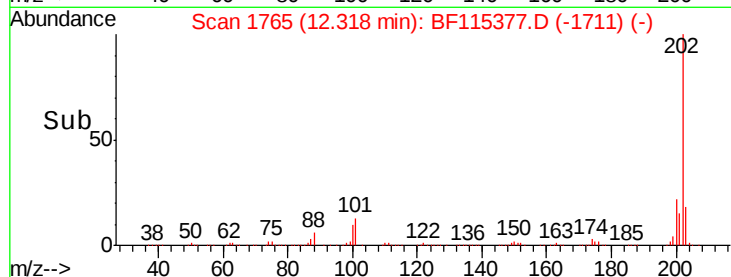
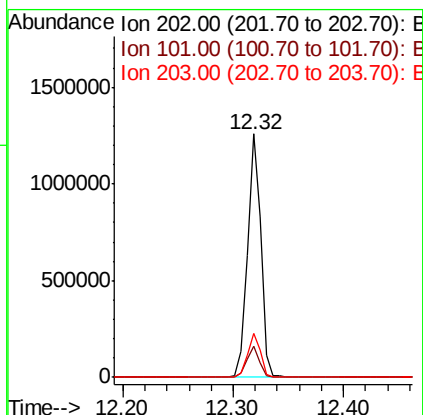
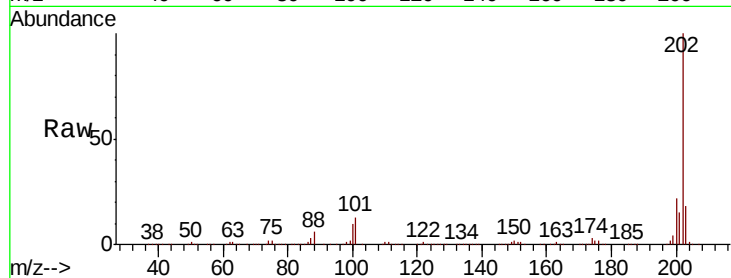




#75
 Fluoranthene
 Concen: 24.438 ng
 RT: 12.32 min Scan# 1765
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

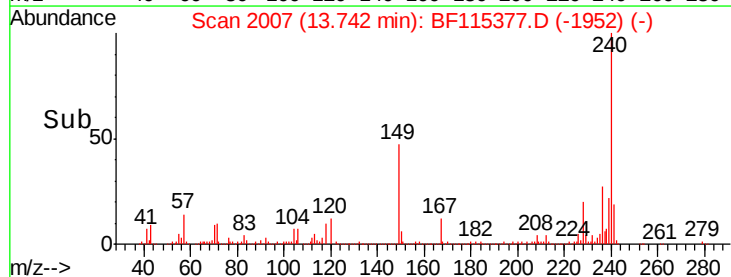
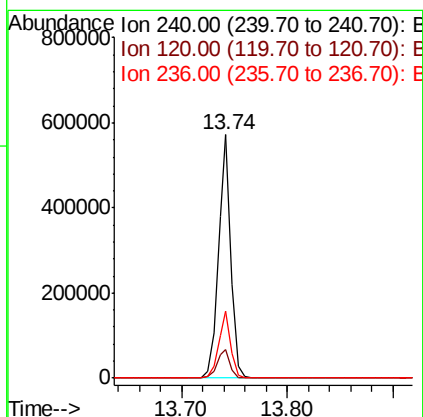
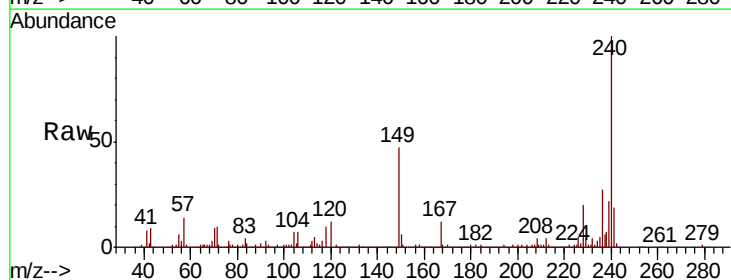
Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

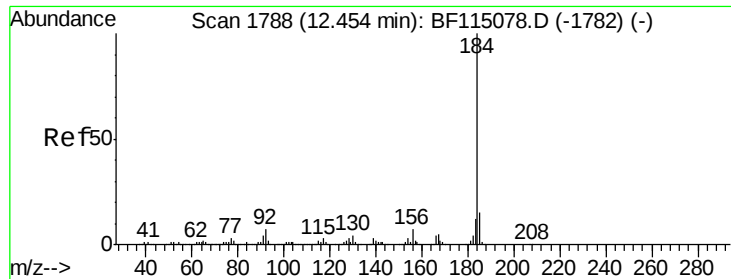
Tgt Ion: 202 Resp: 1064318
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 34.0
 203 18.0 0.0 38.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.74 min Scan# 2007
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion: 240 Resp: 472620
 Ion Ratio Lower Upper
 240 100
 120 11.5 9.4 14.2
 236 27.4 21.7 32.5





#77

Benzidine

Concen: 4.645 ng

RT: 12.45 min Scan# 1787

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

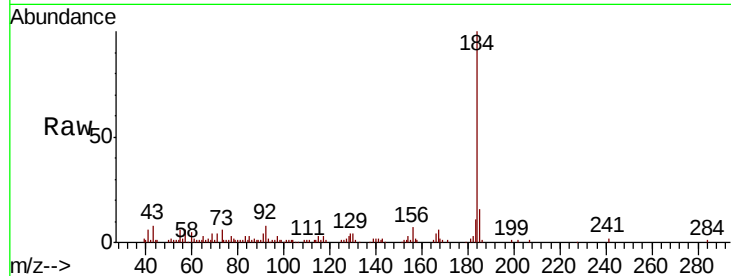
Tgt Ion:184 Resp: 97475

Ion Ratio Lower Upper

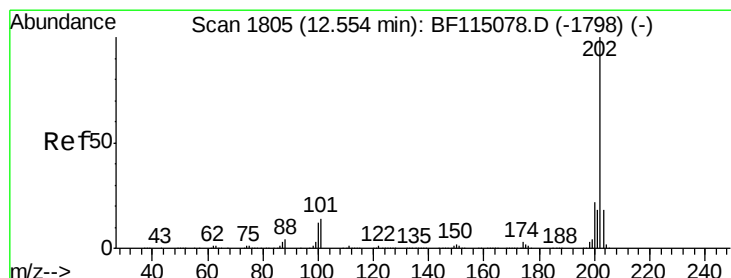
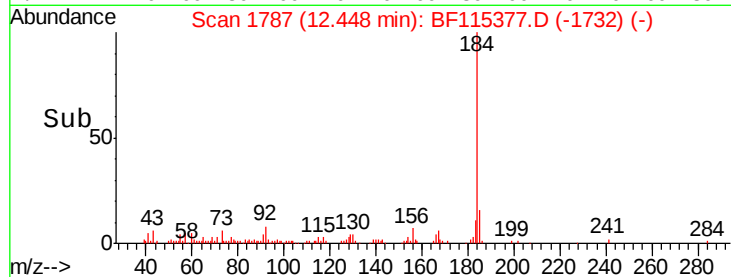
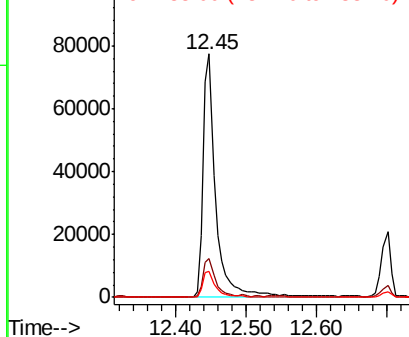
184 100

185 16.1 12.2 18.2

183 10.9 9.6 14.4



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



#78

Pyrene

Concen: 29.229 ng

RT: 12.55 min Scan# 1804

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

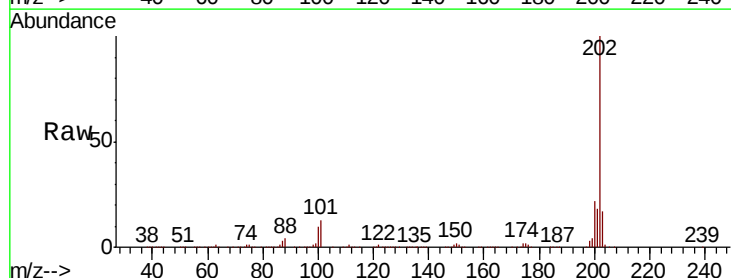
Tgt Ion:202 Resp: 1061618

Ion Ratio Lower Upper

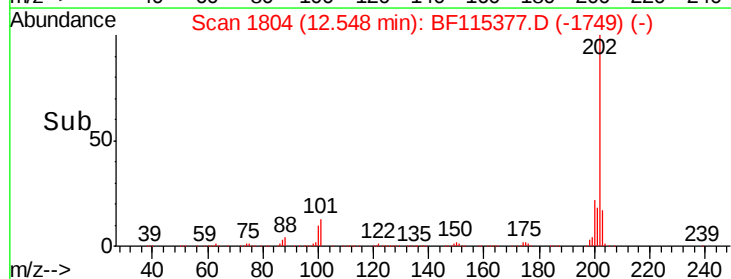
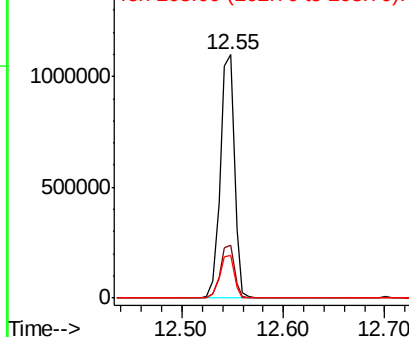
202 100

200 21.6 17.9 26.9

203 17.5 14.6 21.8



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





#79

Terphenyl-d14

Concen: 66.328 ng

RT: 12.70 min Scan# 1830

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

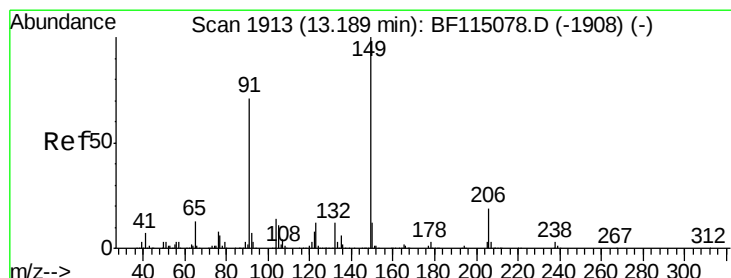
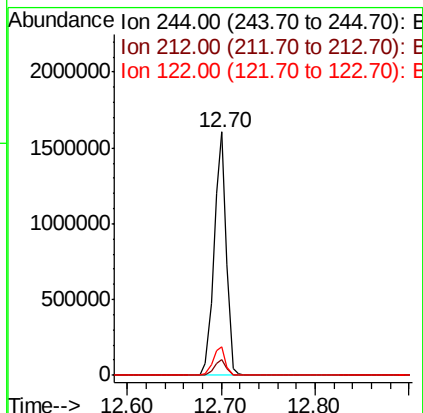
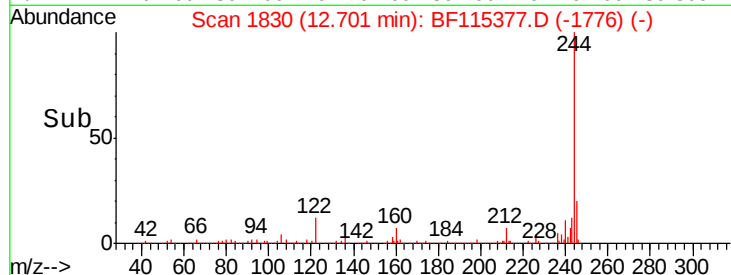
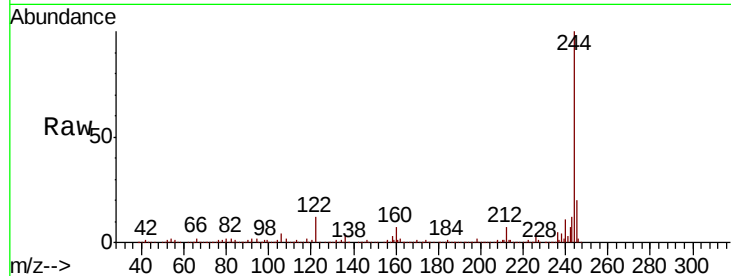
Tgt Ion:244 Resp: 1474392

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 11.6 10.4 15.6



#80

Butylbenzylphthalate

Concen: 27.908 ng

RT: 13.18 min Scan# 1912

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

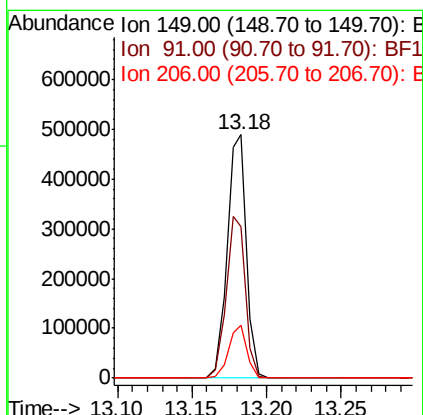
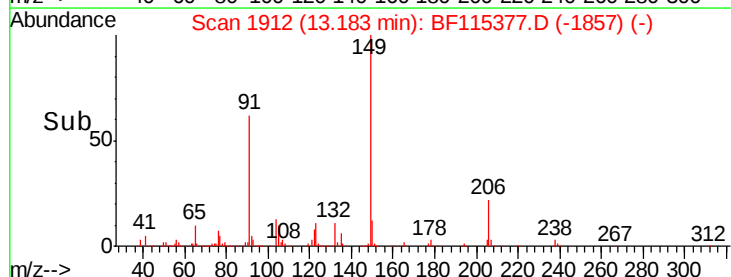
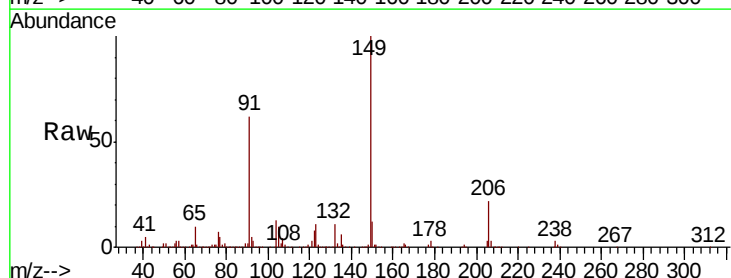
Tgt Ion:149 Resp: 447329

Ion Ratio Lower Upper

149 100

91 62.1 56.5 84.7

206 21.8 15.3 22.9





#81

Benzo(a)anthracene

Concen: 24.470 ng

RT: 13.73 min Scan# 2005

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

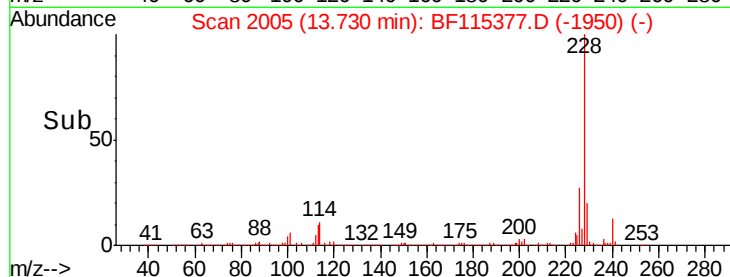
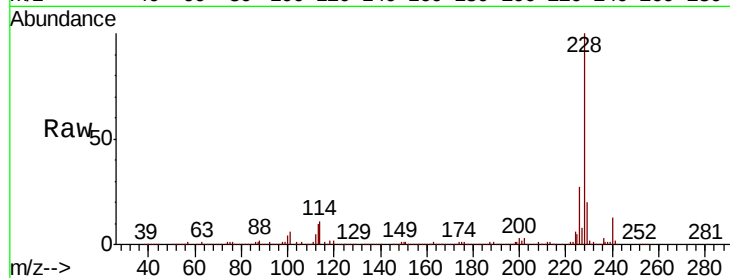
Tgt Ion:228 Resp: 829839

Ion Ratio Lower Upper

228 100

226 26.9 22.5 33.7

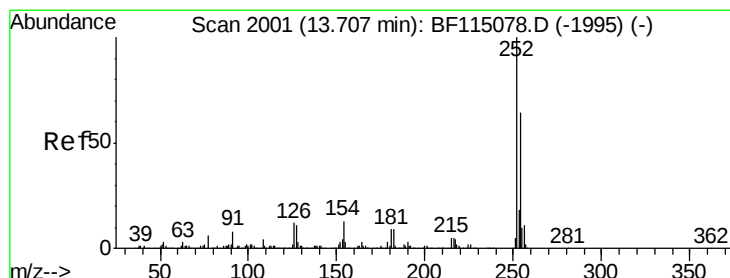
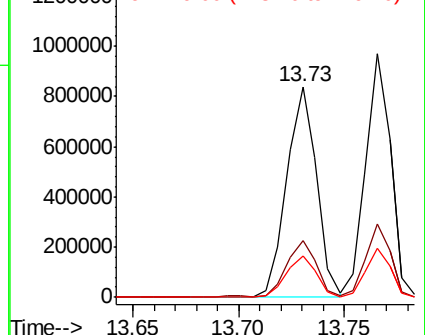
229 19.9 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 22.471 ng

RT: 13.70 min Scan# 2000

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

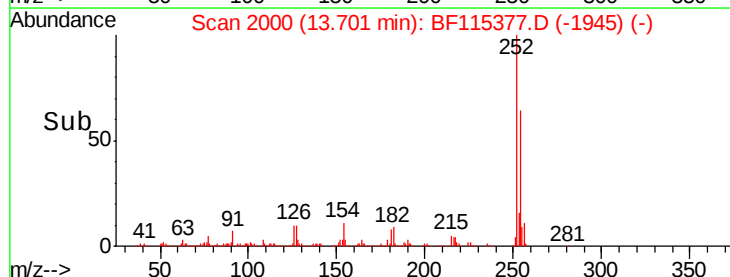
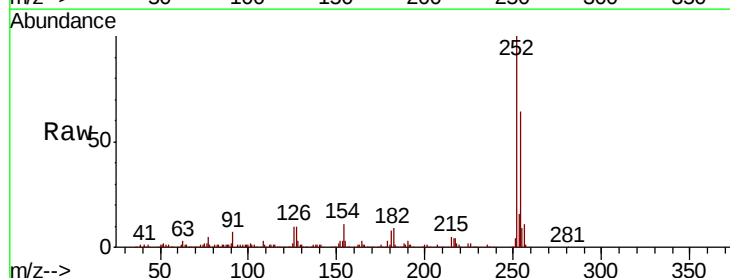
Tgt Ion:252 Resp: 275179

Ion Ratio Lower Upper

252 100

254 64.2 51.1 76.7

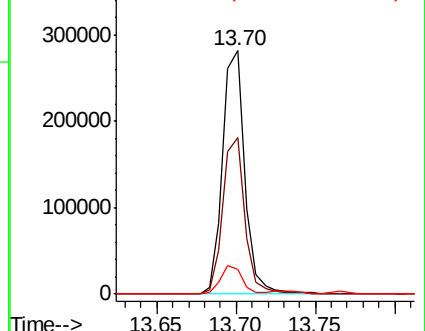
126 10.0 9.4 14.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 25.907 ng

RT: 13.77 min Scan# 2011

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

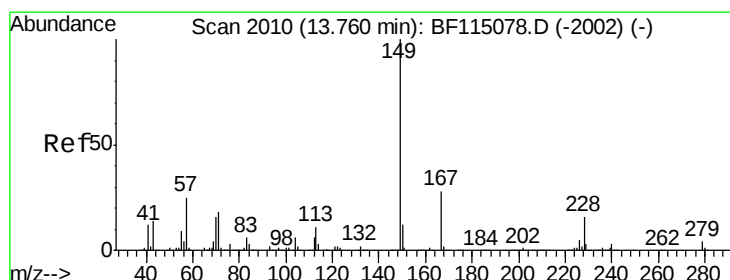
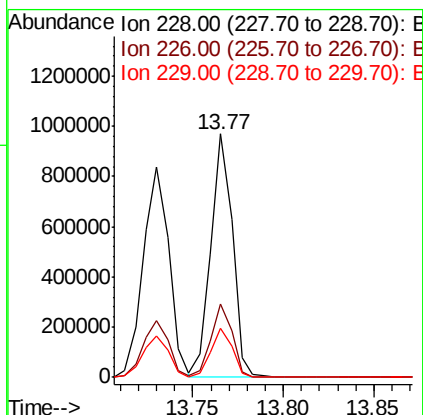
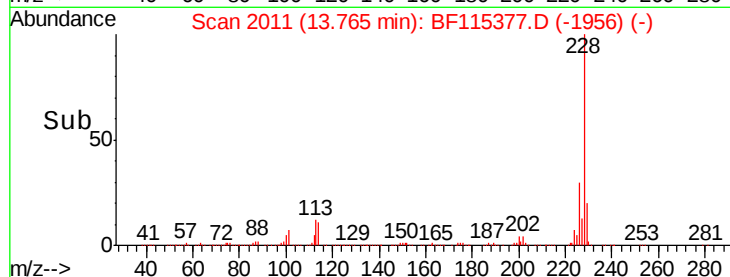
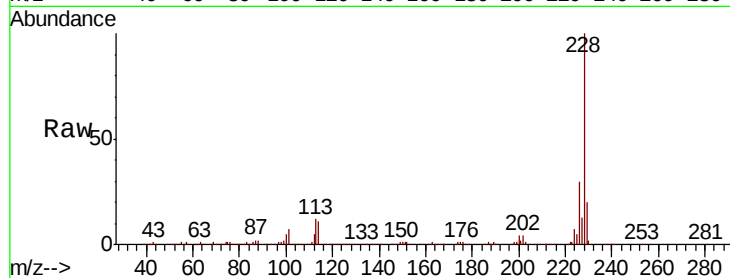
Tgt Ion:228 Resp: 804774

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.0

229 20.4 16.5 24.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 29.651 ng

RT: 13.75 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

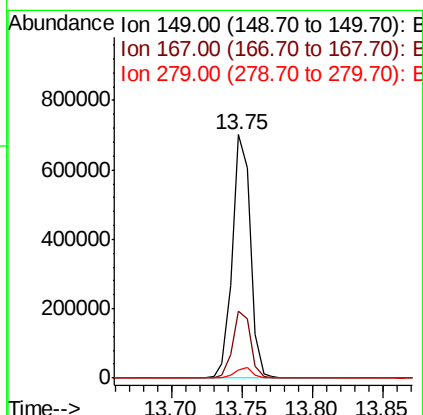
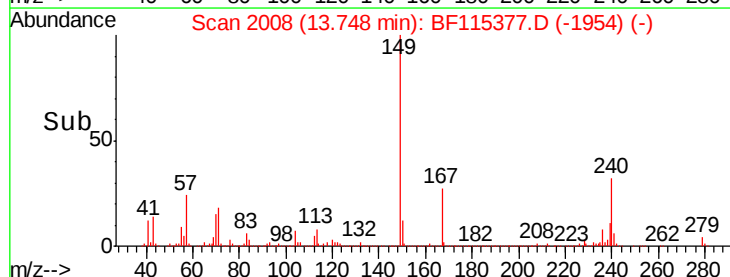
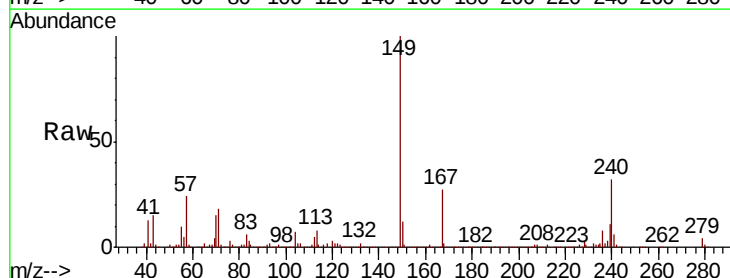
Tgt Ion:149 Resp: 622767

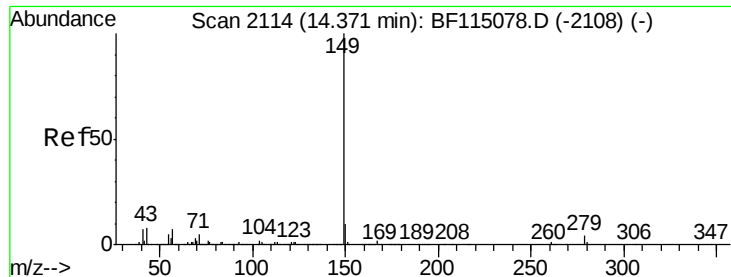
Ion Ratio Lower Upper

149 100

167 27.3 22.2 33.4

279 3.6 2.9 4.3

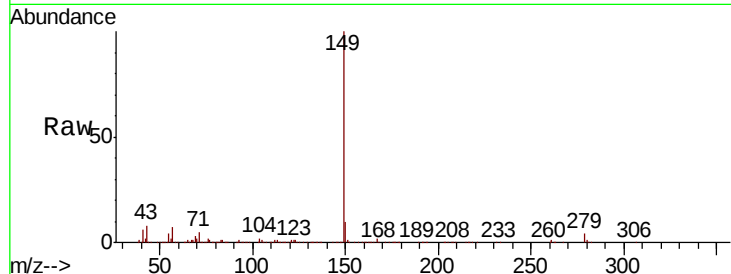




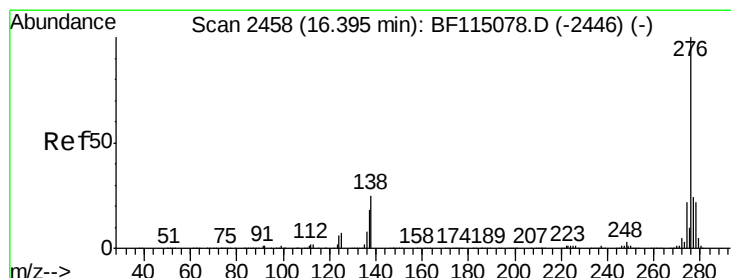
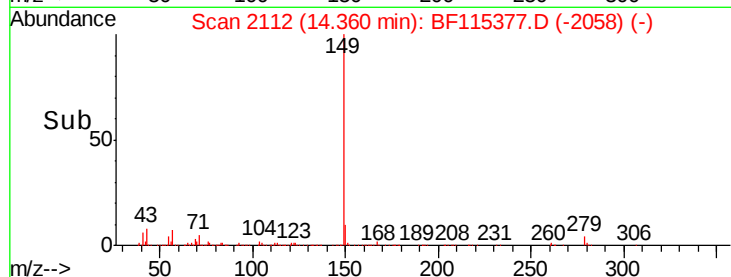
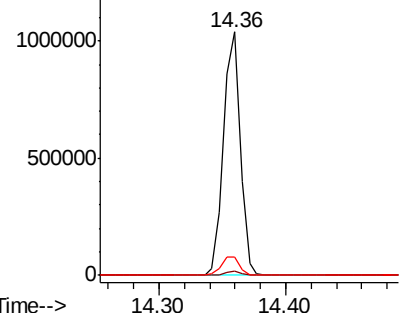
#85
Di-n-octyl phthalate
Concen: 26.717 ng
RT: 14.36 min Scan# 2112
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.3	7.0	10.6

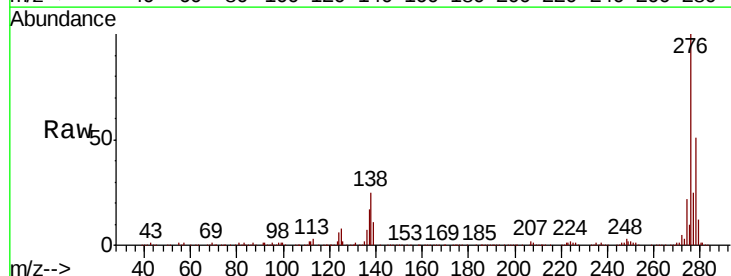


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

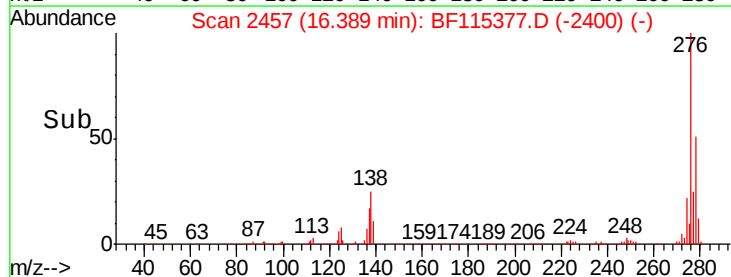
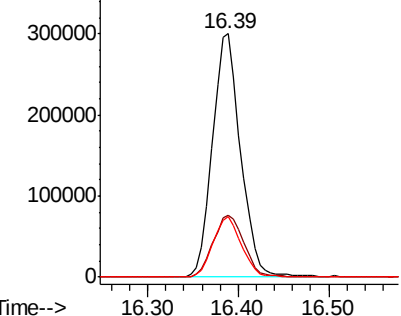


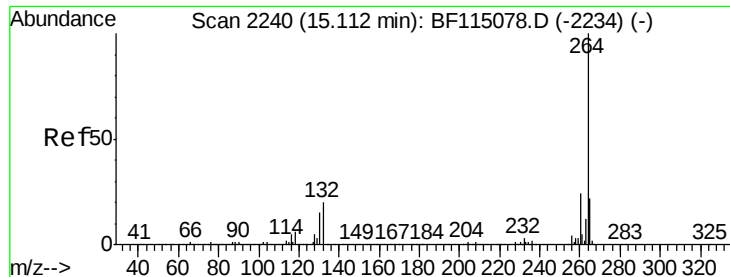
#86
Indeno(1,2,3-cd)pyrene
Concen: 17.578 ng
RT: 16.39 min Scan# 2457
Delta R.T. 0.04 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	23.2	34.8
277	25.5	20.1	30.1



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



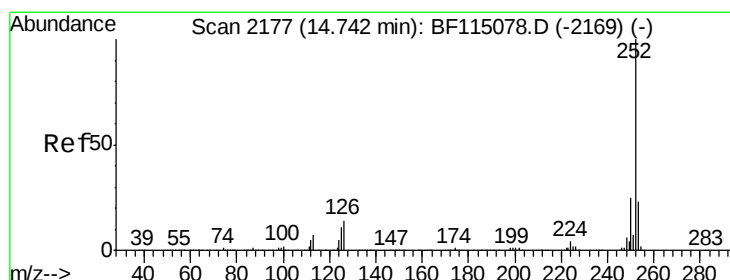
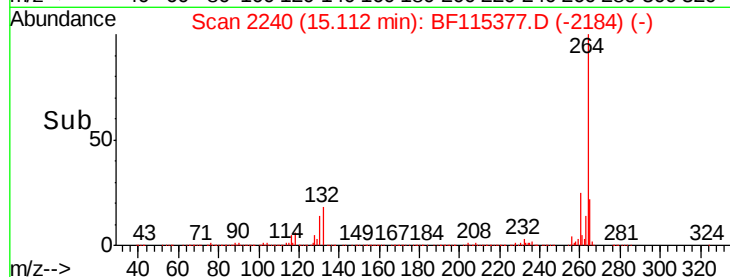
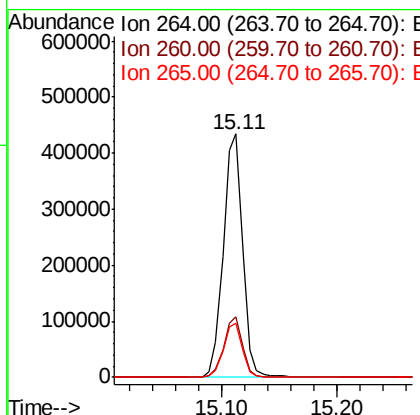
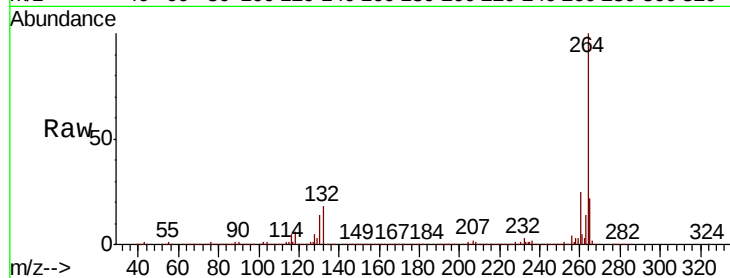


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.11 min Scan# 2240
Delta R.T. 0.03 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tgt Ion: 264 Resp: 502739

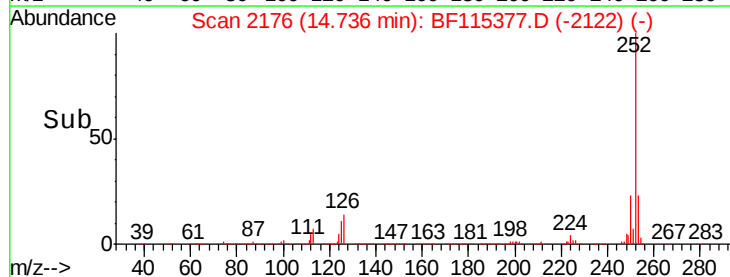
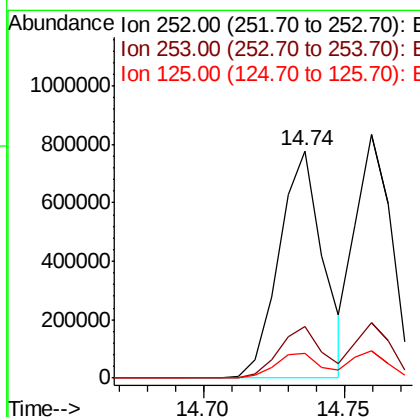
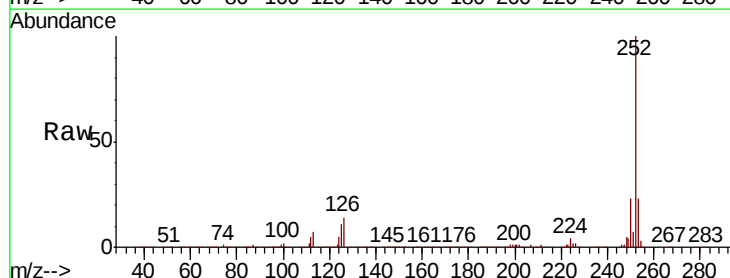
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	22.2	17.3	25.9

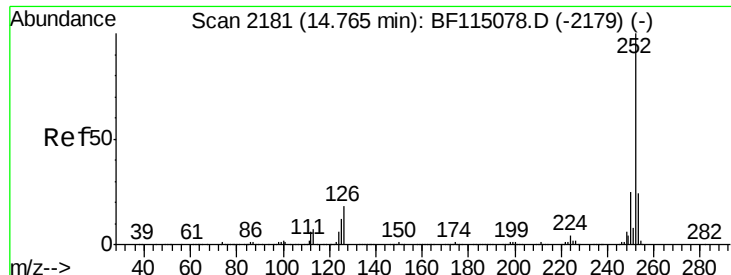


#88
Benzo(b)fluoranthene
Concen: 26.854 ng
RT: 14.74 min Scan# 2176
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion: 252 Resp: 842386

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	10.6	8.7	13.1





#89

Benzo(k)fluoranthene

Concen: 26.402 ng

RT: 14.76 min Scan# 2180

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

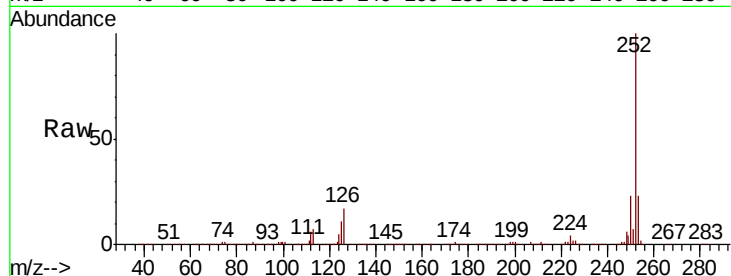
Tgt Ion:252 Resp: 742718

Ion Ratio Lower Upper

252 100

253 22.8 18.9 28.3

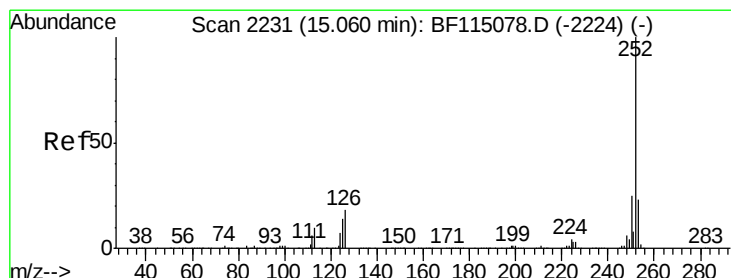
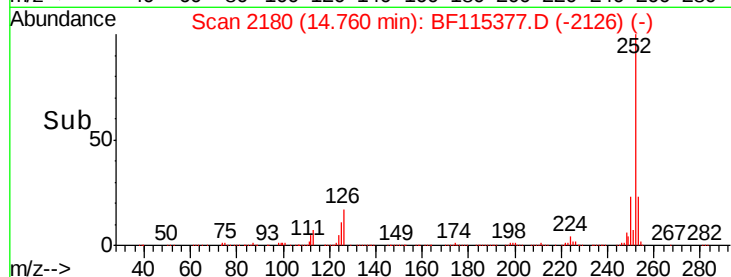
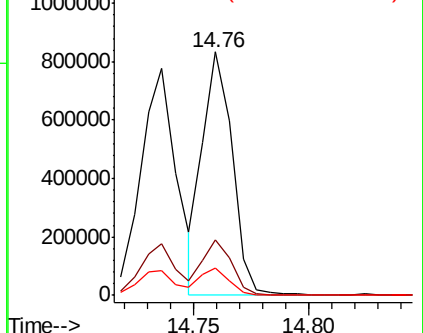
125 11.3 10.2 15.2



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



#90

Benzo(a)pyrene

Concen: 26.674 ng

RT: 15.05 min Scan# 2230

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

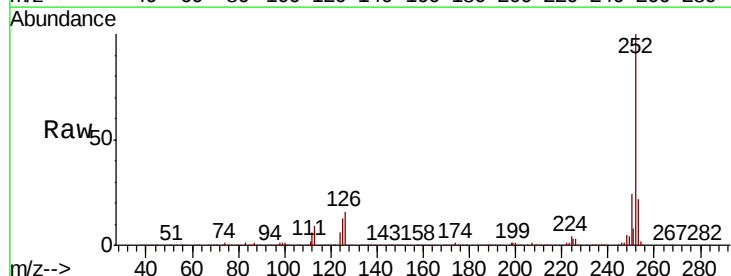
Tgt Ion:252 Resp: 754176

Ion Ratio Lower Upper

252 100

253 21.8 18.3 27.5

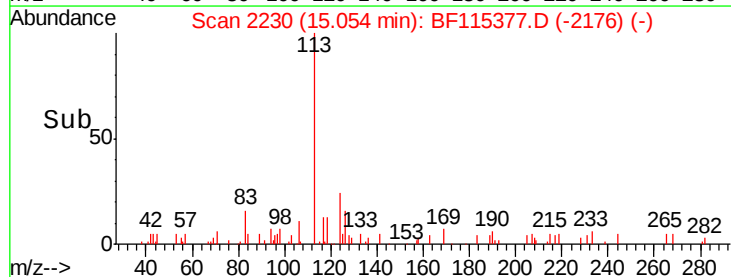
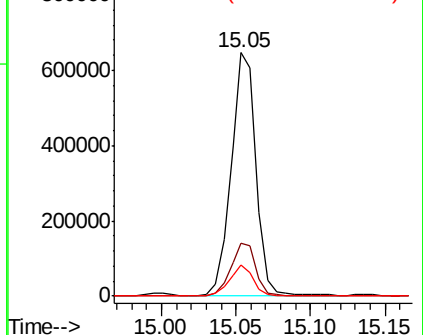
125 12.8 10.9 16.3

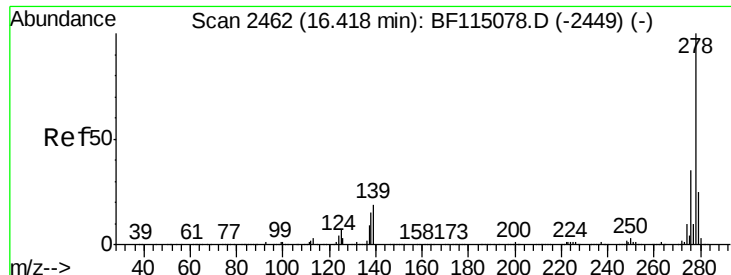


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 20.848 ng

RT: 16.40 min Scan# 2459

Delta R.T. 0.03 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

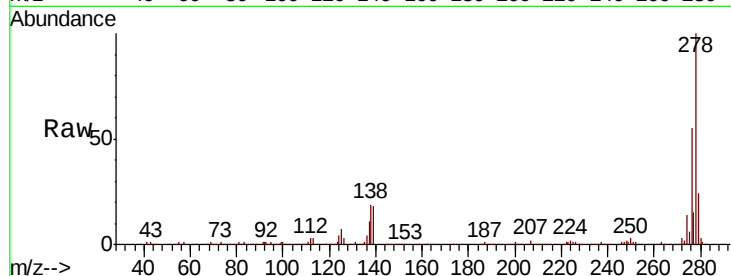
Tgt Ion: 278 Resp: 550282

Ion Ratio Lower Upper

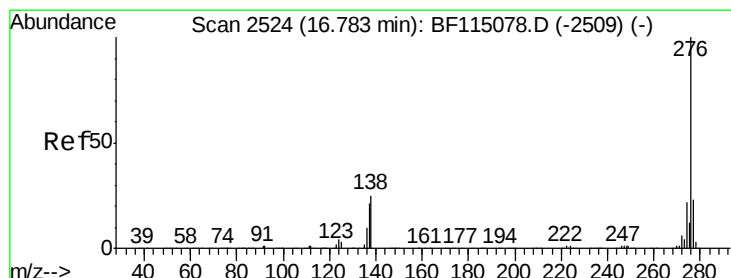
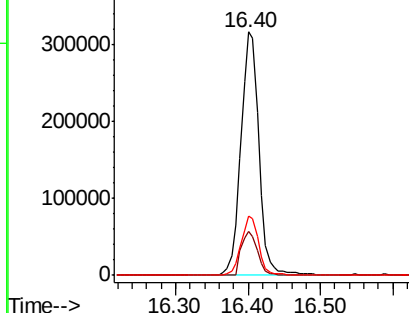
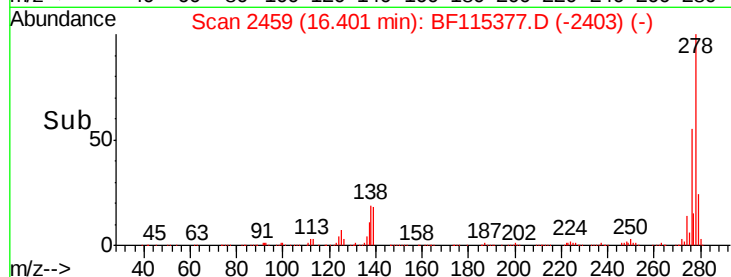
278 100

139 18.3 15.4 23.2

279 24.3 19.9 29.9



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



#92

Benzo(g,h,i)perylene

Concen: 18.904 ng

RT: 16.77 min Scan# 2521

Delta R.T. 0.03 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

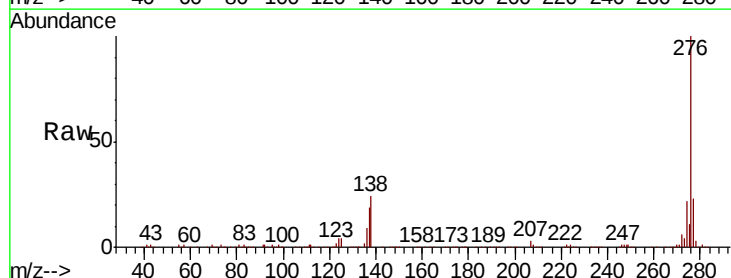
Tgt Ion: 276 Resp: 505015

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 24.0 19.8 29.6



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

