

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073019\
 Data File : BF115847.D
 Acq On : 30 Jul 2019 17:42
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Quant Time: Jul 31 04:38:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 04:26:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	140470	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	564633	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	298134	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	519247	20.00	ng	0.00
76) Chrysene-d12	14.02	240	409818	20.00	ng	0.00
87) Perylene-d12	15.49	264	394844	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	842491	100.40	ng	0.00
7) Phenol-d6	6.48	99	1053438	99.51	ng	0.00
23) Nitrobenzene-d5	7.42	82	791521	80.92	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	290792	100.60	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1320047	82.93	ng	0.00
79) Terphenyl-d14	12.96	244	1440139	74.05	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.61	88	35112	8.283	ng	100
3) Pyridine	3.41	79	74496	6.291	ng	98
4) n-Nitrosodimethylamine	3.30	42	35423	7.580	ng	# 93
6) Aniline	6.52	93	122869	8.104	ng	100
8) 2-Chlorophenol	6.64	128	77716	8.376	ng	97
9) Benzaldehyde	6.40	77	68204	9.337	ng	98
10) Phenol	6.49	94	108297	8.687	ng	99
11) bis(2-Chloroethyl)ether	6.59	93	73328	8.000	ng	98
12) 1,3-Dichlorobenzene	6.79	146	87298	8.141	ng	98
13) 1,4-Dichlorobenzene	6.87	146	88496	8.242	ng	98
14) 1,2-Dichlorobenzene	7.02	146	81809	8.275	ng	100
15) Benzyl Alcohol	6.99	79	73627	9.164	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.13	45	98848	7.906	ng	99
17) 2-Methylphenol	7.10	107	65730	8.366	ng	99
18) Hexachloroethane	7.36	117	30477	7.710	ng	94
19) n-Nitroso-di-n-propylamine	7.26	70	55149	8.406	ng	96
20) 3+4-Methylphenols	7.26	107	84386	9.076	ng	# 56
22) Acetophenone	7.26	105	112146	9.056	ng	# 97
24) Nitrobenzene	7.43	77	89716	8.494	ng	99
25) Isophorone	7.66	82	149961	8.018	ng	96
26) 2-Nitrophenol	7.75	139	38080	7.649	ng	98
27) 2,4-Dimethylphenol	7.78	122	66425	8.868	ng	98
28) bis(2-Chloroethoxy)methane	7.87	93	92669	7.993	ng	99
29) 2,4-Dichlorophenol	7.99	162	64423	8.146	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	72215	8.010	ng	97
31) Naphthalene	8.15	128	237403	8.935	ng	99
32) Benzoic acid	7.86	122	22390	4.240	ng	99
33) 4-Chloroaniline	8.20	127	95247	8.023	ng	97
34) Hexachlorobutadiene	8.27	225	40264	7.754	ng	99
35) Caprolactam	8.54	113	19887	7.775	ng	96
36) 4-Chloro-3-methylphenol	8.69	107	66221	8.048	ng	99
37) 2-Methylnaphthalene	8.85	142	156905	8.967	ng	97
38) 1-Methylnaphthalene	8.95	142	145845	8.810	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	68708	8.620	ng	99

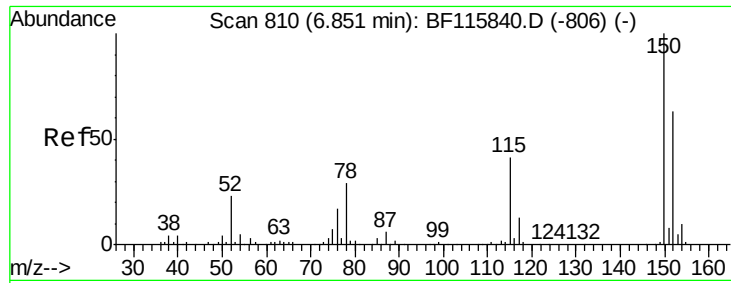
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073019\
 Data File : BF115847.D
 Acq On : 30 Jul 2019 17:42
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	14177	4.551	ng	98
43) 2,4,6-Trichlorophenol	9.13	196	40795	7.436	ng	98
44) 2,4,5-Trichlorophenol	9.17	196	43771	7.718	ng	98
46) 1,1'-Biphenyl	9.31	154	192557	9.148	ng	98
47) 2-Chloronaphthalene	9.34	162	144528	8.250	ng	99
48) 2-Nitroaniline	9.43	65	42482	7.337	ng	# 83
49) Acenaphthylene	9.75	152	231264	9.049	ng	97
50) Dimethylphthalate	9.60	163	159895	7.877	ng	100
51) 2,6-Dinitrotoluene	9.67	165	35167	7.972	ng	92
52) Acenaphthene	9.93	154	136402	8.700	ng	99
53) 3-Nitroaniline	9.84	138	39375	7.224	ng	93
54) 2,4-Dinitrophenol	9.96	184	6349	3.389	ng	93
55) Dibenzofuran	10.10	168	206282	9.047	ng	100
56) 4-Nitrophenol	10.01	139	21099	6.042	ng	97
57) 2,4-Dinitrotoluene	10.07	165	44792	7.626	ng	# 87
58) Fluorene	10.44	166	161564	9.210	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	35591	7.460	ng	96
60) Diethylphthalate	10.31	149	154227	8.138	ng	98
61) 4-Chlorophenyl-phenylether	10.43	204	75790	8.530	ng	95
62) 4-Nitroaniline	10.45	138	40530	7.195	ng	99
63) Azobenzene	10.59	77	167214	8.578	ng	98
65) 4,6-Dinitro-2-methylphenol	10.49	198	15268	5.549	ng	95
66) n-Nitrosodiphenylamine	10.55	169	137721	8.812	ng	100
67) 4-Bromophenyl-phenylether	10.92	248	46009	8.277	ng	93
68) Hexachlorobenzene	10.99	284	51136	7.956	ng	95
69) Atrazine	11.07	200	40871	7.949	ng	99
70) Pentachlorophenol	11.19	266	16845	5.398	ng	99
71) Phenanthrene	11.40	178	240128	9.046	ng	98
72) Anthracene	11.46	178	245306	9.131	ng	97
73) Carbazole	11.61	167	216791	8.895	ng	97
74) Di-n-butylphthalate	11.94	149	226540	7.968	ng	98
75) Fluoranthene	12.59	202	246362	8.865	ng	98
77) Benzidine	12.71	184	95182	6.875	ng	98
78) Pyrene	12.82	202	256711	8.310	ng	99
80) Butylbenzylphthalate	13.43	149	87792	6.718	ng	93
81) Benzo(a)anthracene	14.01	228	213472	8.150	ng	100
82) 3,3'-Dichlorobenzidine	13.97	252	73168	8.040	ng	# 97
83) Chrysene	14.04	228	210126	8.263	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	120594	7.102	ng	99
85) Di-n-octyl phthalate	14.60	149	185770	6.887	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	159940	7.488	ng	99
88) Benzo(b)fluoranthene	15.06	252	171547	7.514	ng	99
89) Benzo(k)fluoranthene	15.09	252	187868	8.448	ng	97
90) Benzo(a)pyrene	15.42	252	164178	8.045	ng	98
91) Dibenzo(a,h)anthracene	16.97	278	131731	7.457	ng	98
92) Benzo(g,h,i)perylene	17.40	276	127082	7.325	ng	98

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

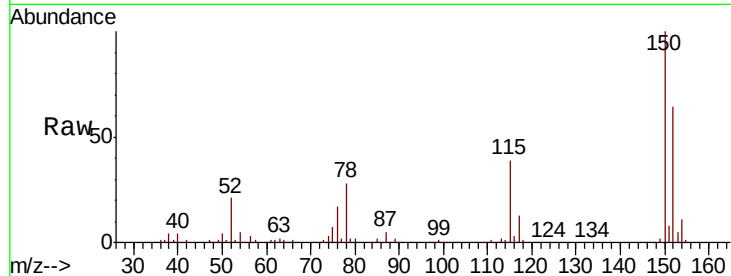


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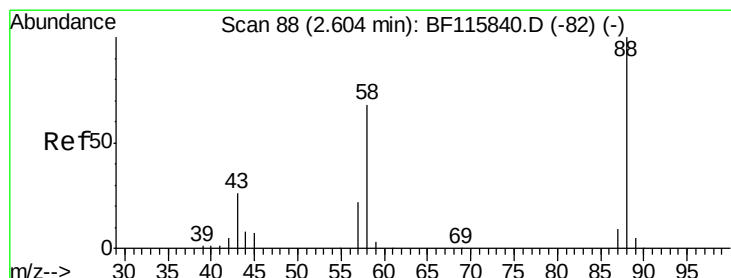
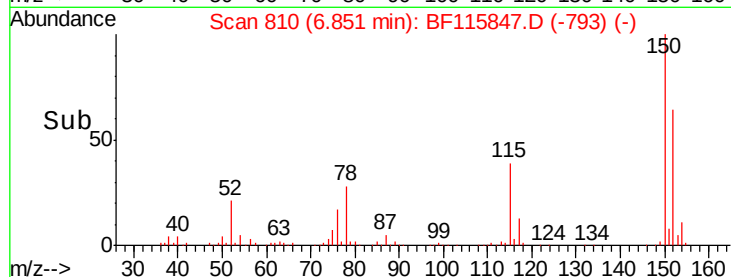
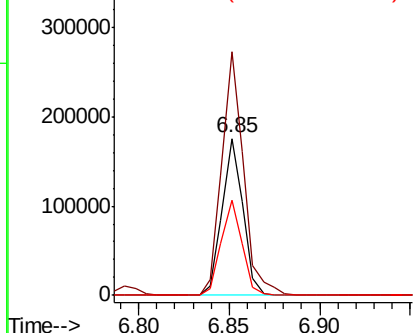
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:152 Resp: 140470
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.0
115 61.1 51.8 77.8



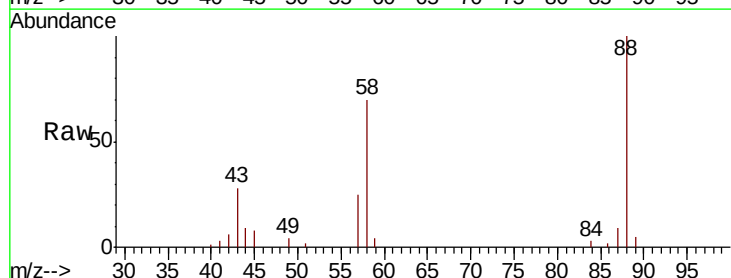
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



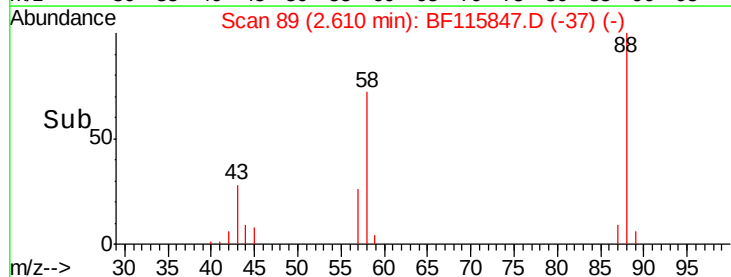
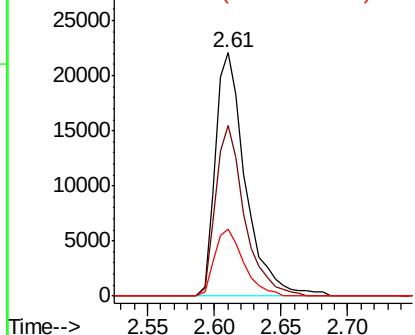
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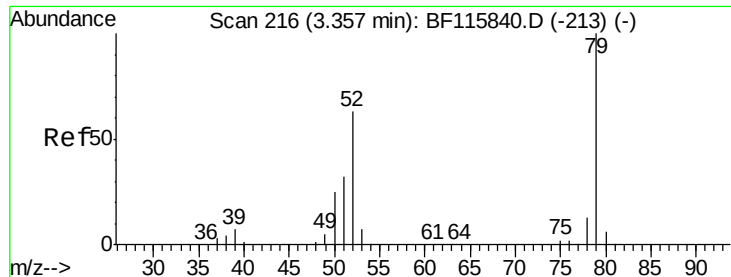
1,4-Dioxane
Concen: 8.283 ng
RT: 2.61 min Scan# 89
Delta R.T. 0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 88 Resp: 35112
Ion Ratio Lower Upper
88 100
58 67.5 54.1 81.1
43 26.5 20.7 31.1



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





#3

Pvridine

Concen: 6.291 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.05 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

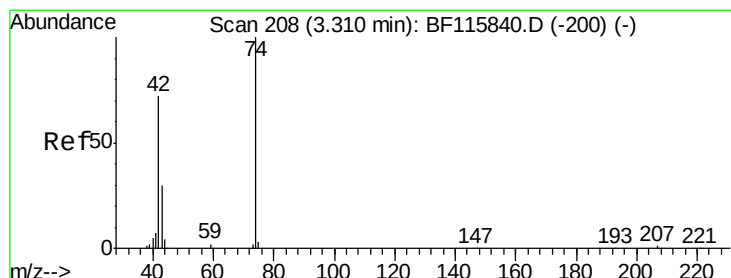
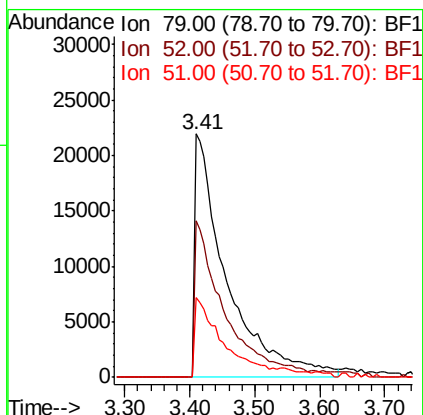
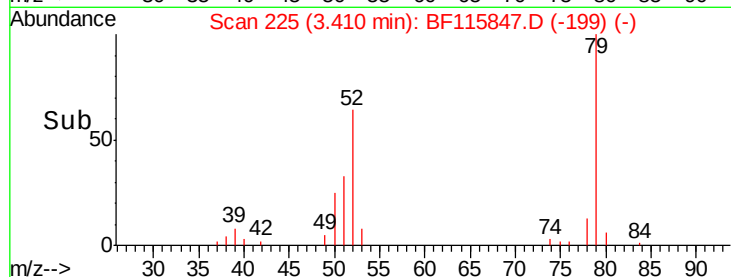
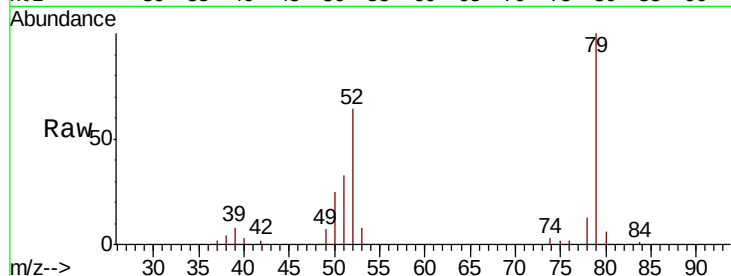
Tot Ion: 79 Resp: 74496

Ion Ratio Lower Upper

79 100

52 64.3 50.2 75.4

51 32.7 25.8 38.6



#4

n-Nitrosodimethylamine

Concen: 7.580 ng

RT: 3.30 min Scan# 206

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

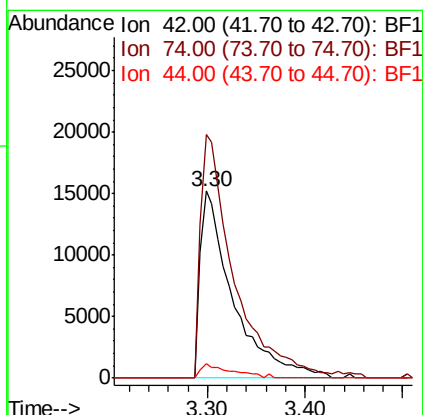
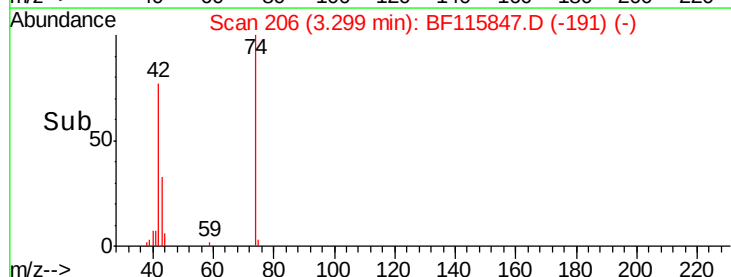
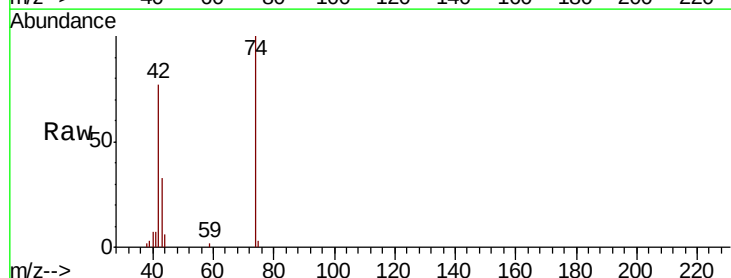
Tgt Ion: 42 Resp: 35423

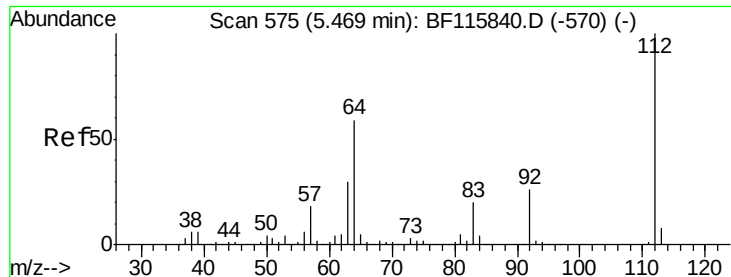
Ion Ratio Lower Upper

42 100

74 130.3 111.0 166.4

44 7.5 4.7 7.1#





#5

2-Fluorophenol

Concen: 100.404 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

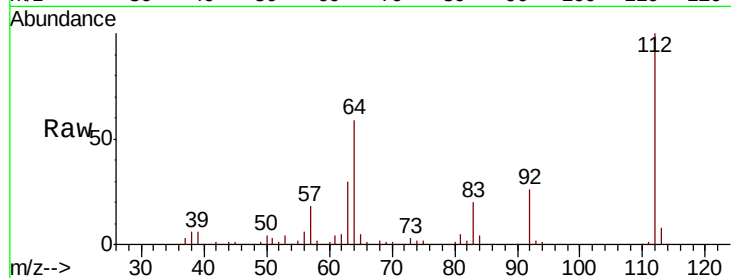
Tot Ion: 112 Resp: 842491

Ion Ratio Lower Upper

112 100

64 59.1 46.8 70.2

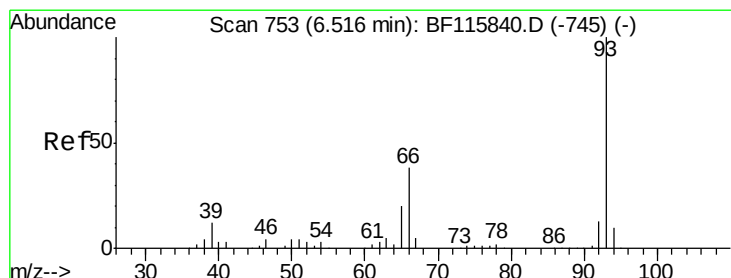
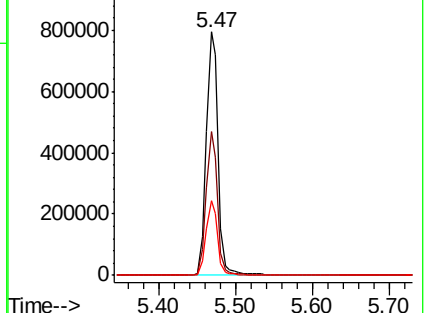
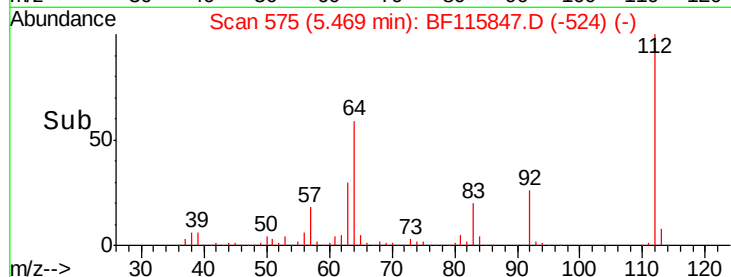
63 30.5 24.2 36.2



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: 8.104 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

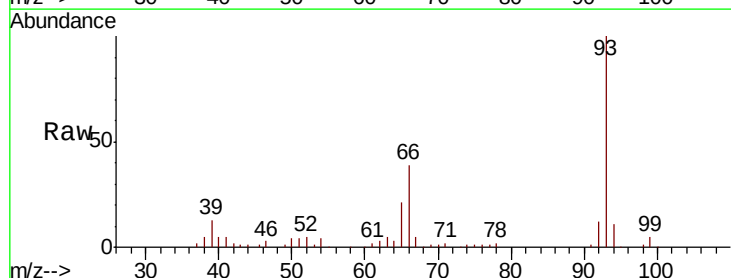
Tgt Ion: 93 Resp: 122869

Ion Ratio Lower Upper

93 100

66 39.1 31.4 47.0

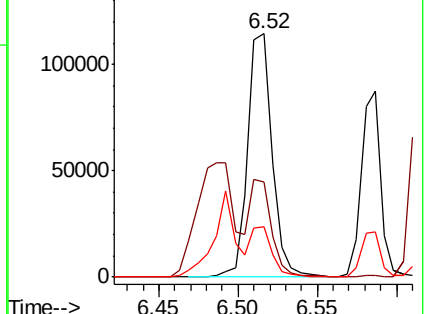
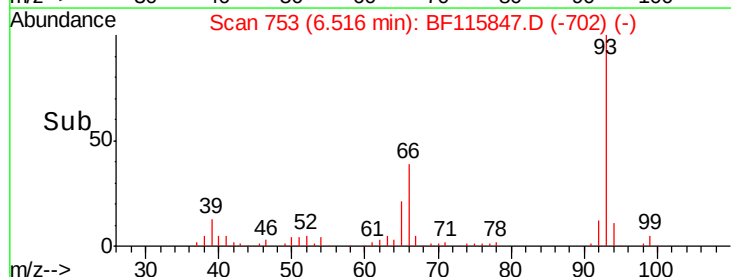
65 20.8 16.5 24.7

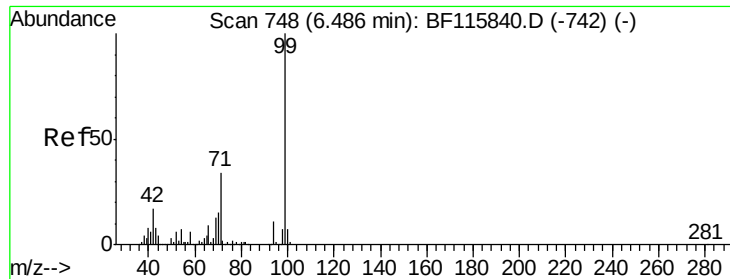


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 99.506 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

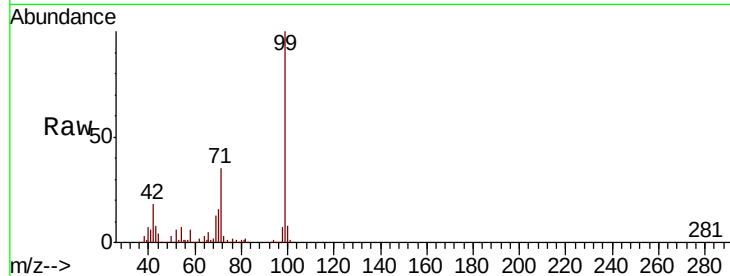
Tot Ion: 99 Resp: 1053438

Ion Ratio Lower Upper

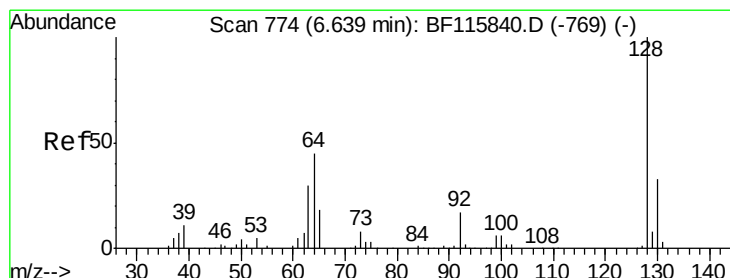
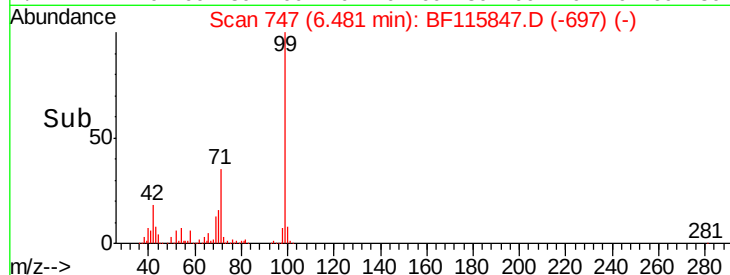
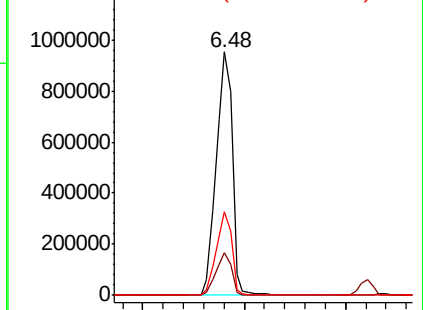
99 100

42 17.5 13.8 20.6

71 34.5 27.1 40.7



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: 8.376 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

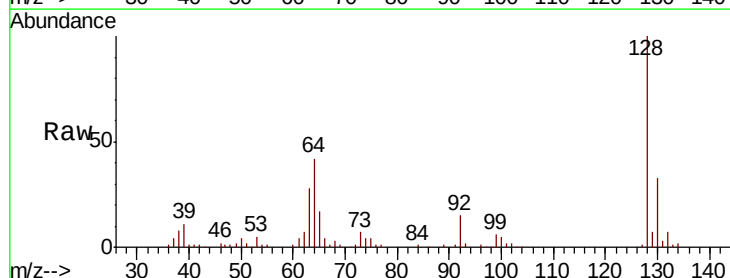
Tgt Ion: 128 Resp: 77716

Ion Ratio Lower Upper

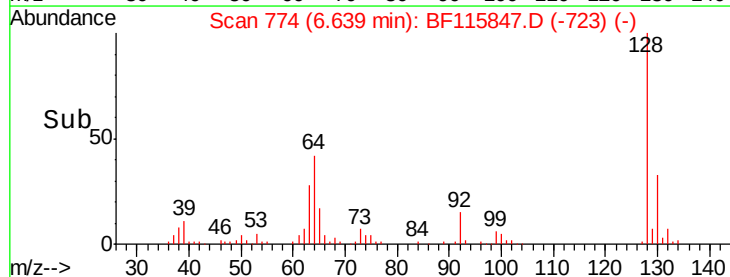
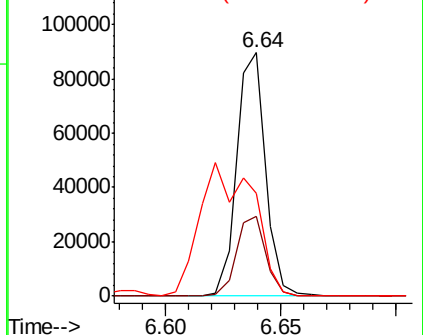
128 100

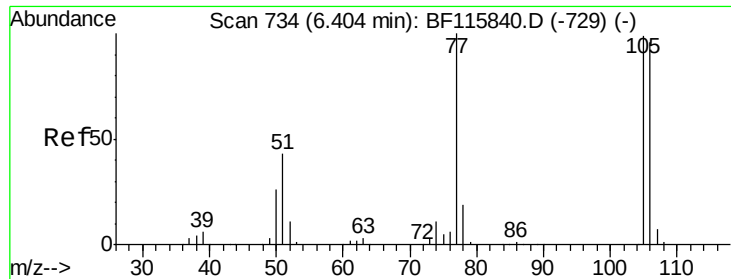
130 32.7 12.9 52.9

64 42.4 26.1 66.1



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

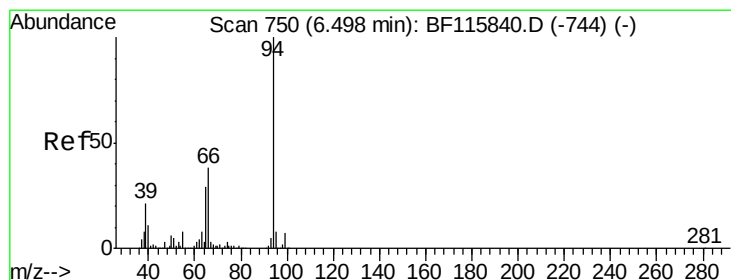
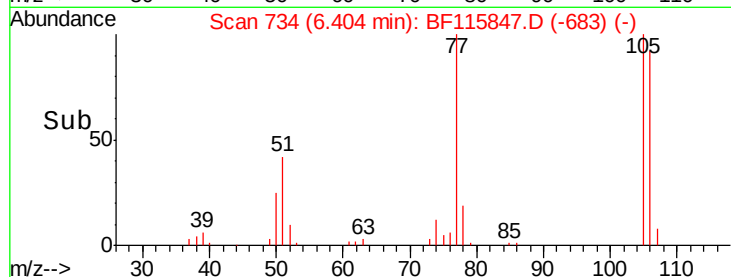
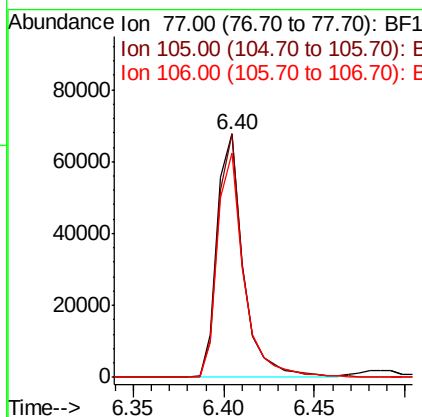
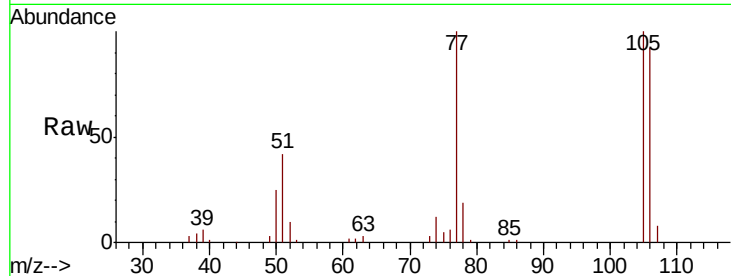




#9
Benzaldehyde
Concen: 9.337 ng
RT: 6.40 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

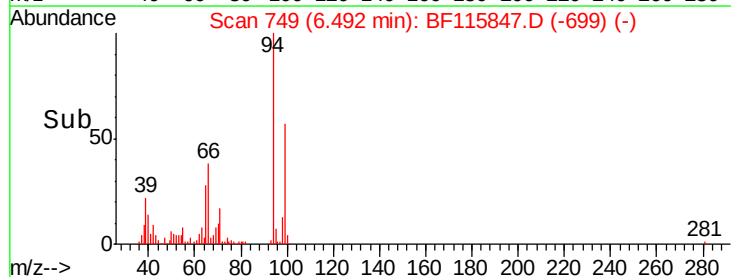
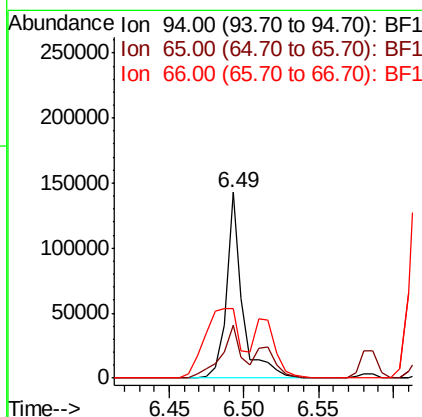
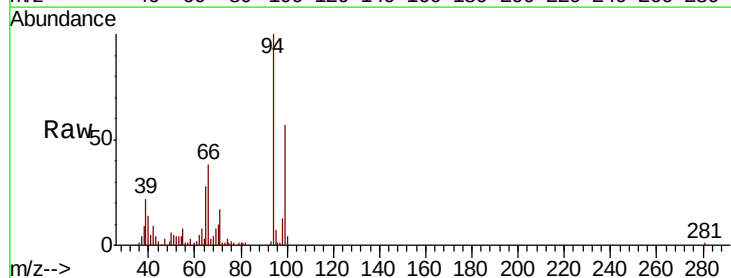
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

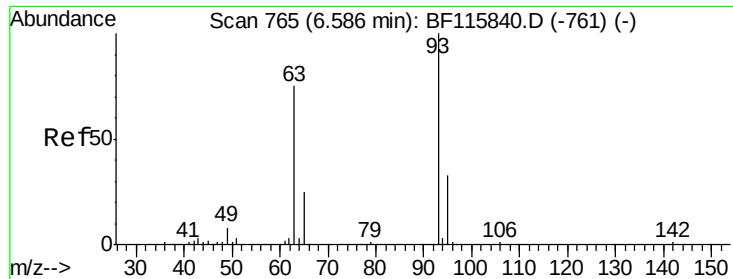
Tot Ion: 77 Resp: 68204
Ion Ratio Lower Upper
77 100
105 100.0 79.0 119.0
106 92.4 76.2 116.2



#10
Phenol
Concen: 8.687 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 94 Resp: 108297
Ion Ratio Lower Upper
94 100
65 28.3 8.9 48.9
66 37.7 18.0 58.0

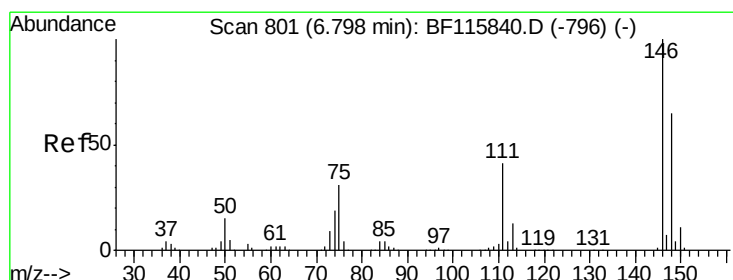
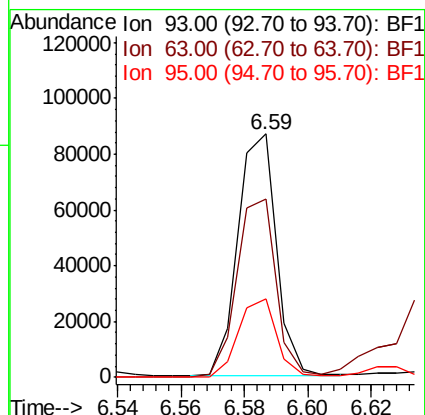
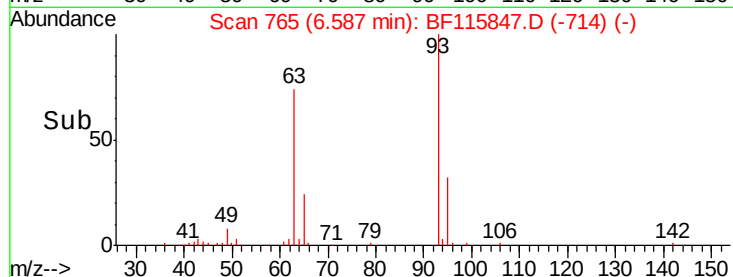
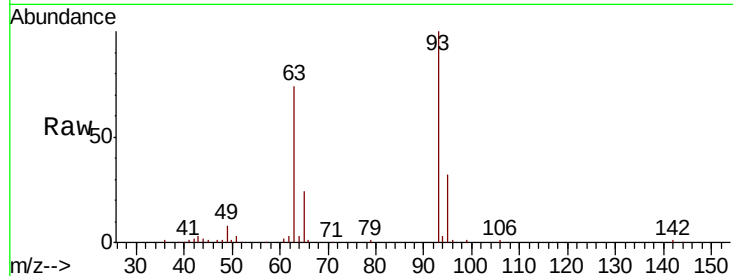




#11
bis(2-Chloroethyl)ether
Concen: 8.000 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

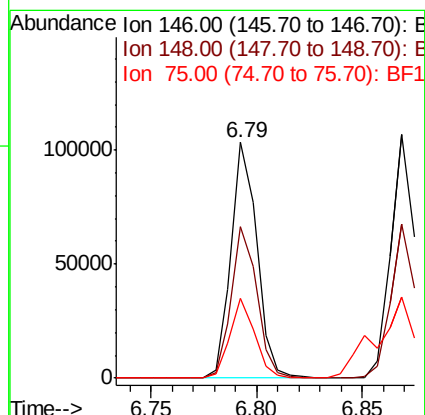
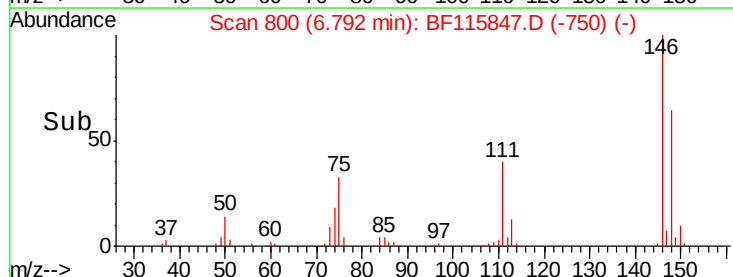
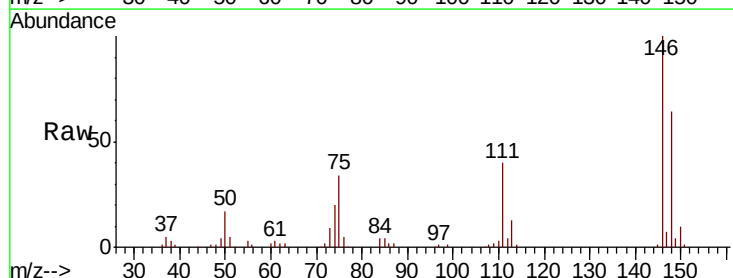
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

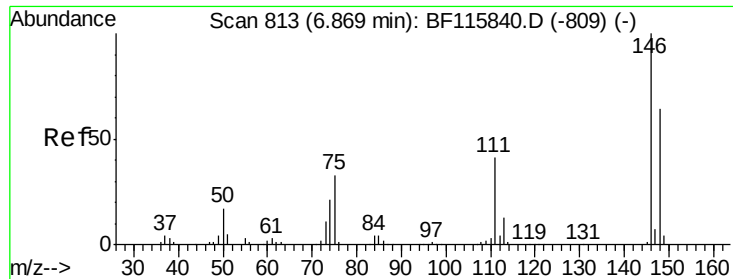
Tot Ion: 93 Resp: 73328
Ion Ratio Lower Upper
93 100
63 73.5 54.9 94.9
95 32.3 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 8.141 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 146 Resp: 87298
Ion Ratio Lower Upper
146 100
148 64.1 52.1 78.1
75 33.6 25.0 37.6

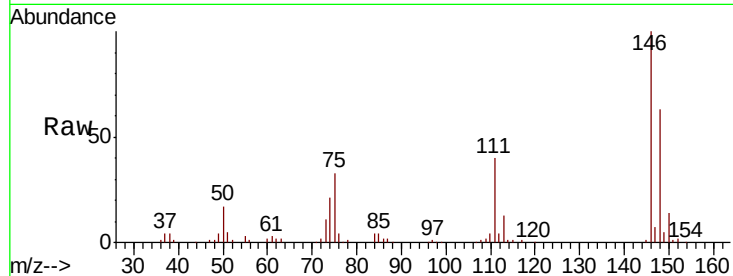




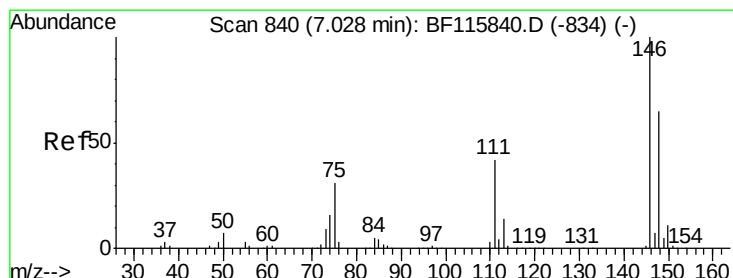
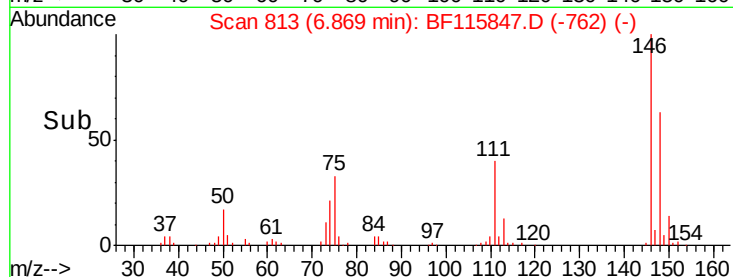
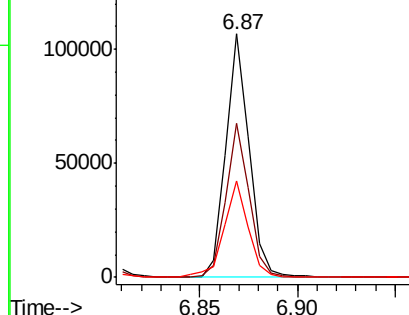
#13
 1,4-Dichlorobenzene
 Concen: 8.242 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:146 Resp: 88496
 Ion Ratio Lower Upper
 146 100
 148 63.2 51.2 76.8
 111 39.7 33.2 49.8

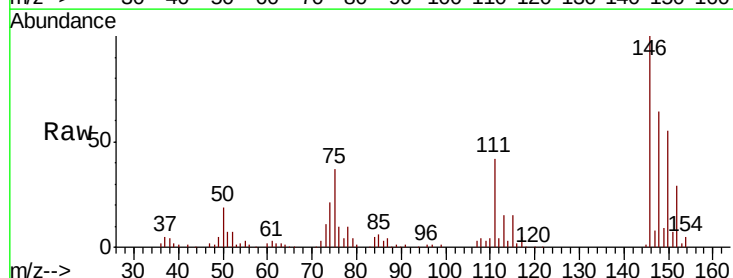


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

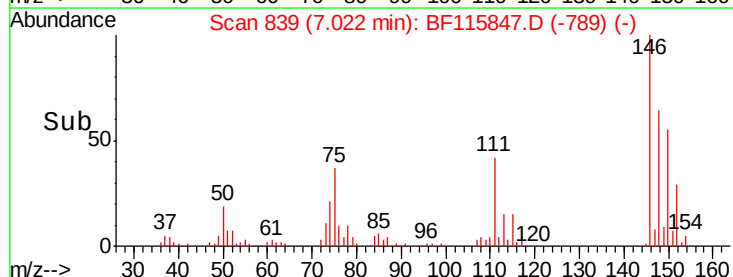
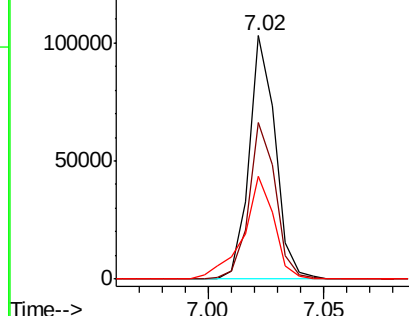


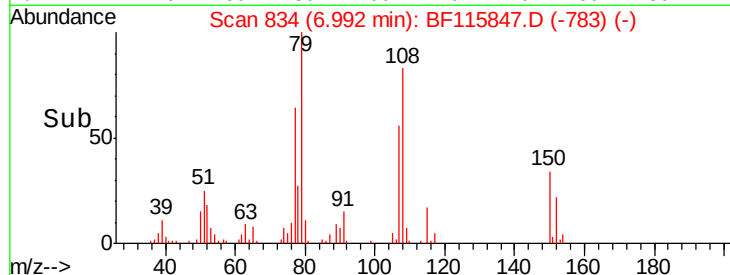
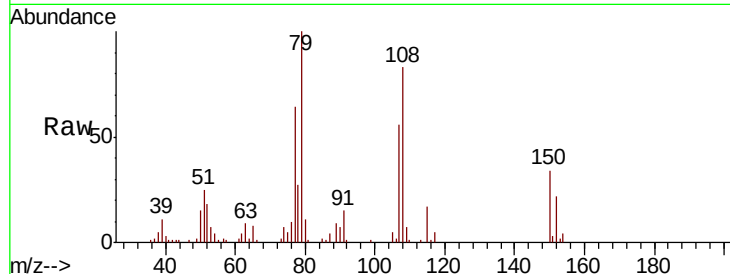
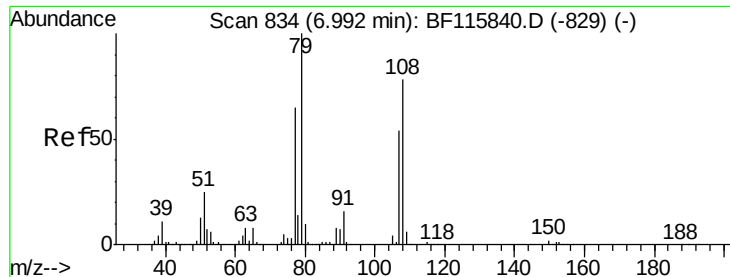
#14
 1,2-Dichlorobenzene
 Concen: 8.275 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:146 Resp: 81809
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.6 77.4
 111 42.4 33.6 50.4



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

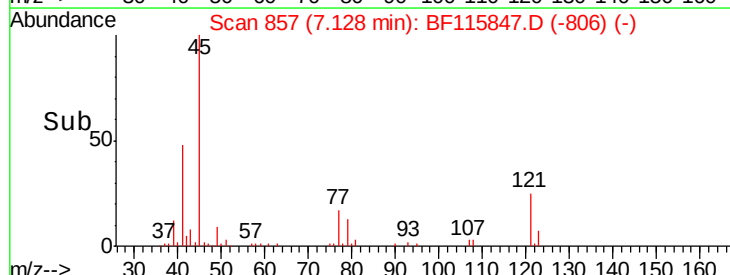
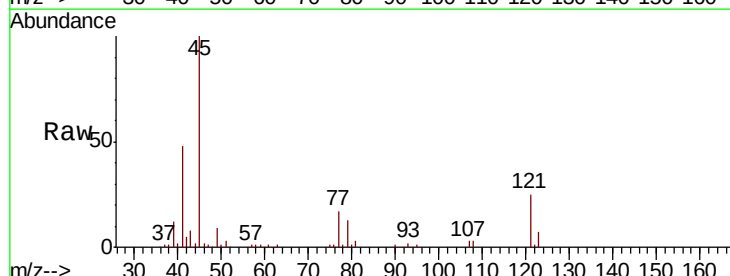
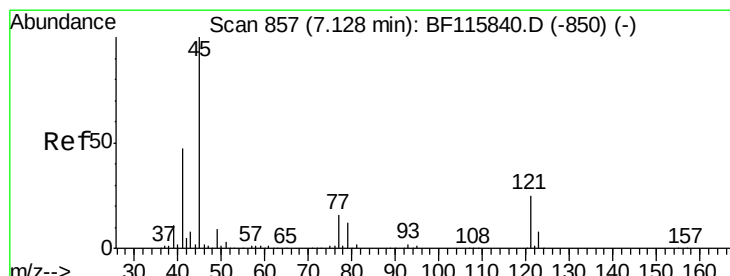
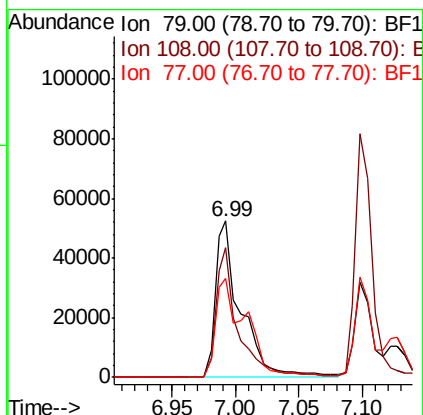




#15
Benzvl Alcohol
Concen: 9.164 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

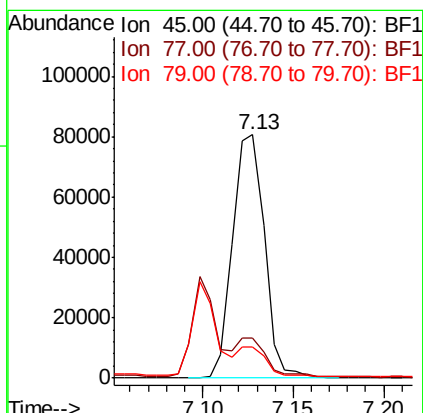
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

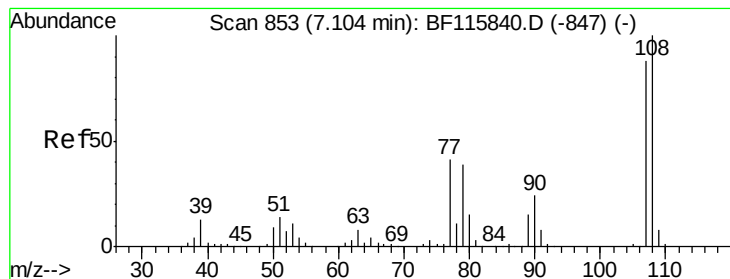
Tot Ion: 79 Resp: 73627
Ion Ratio Lower Upper
79 100
108 83.2 62.8 94.2
77 63.7 52.0 78.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.906 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 45 Resp: 98848
Ion Ratio Lower Upper
45 100
77 16.7 0.0 36.3
79 12.7 0.0 32.5

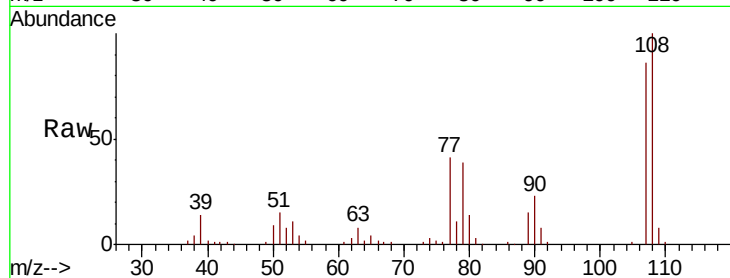




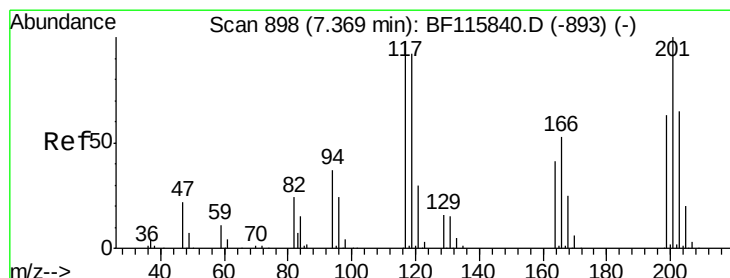
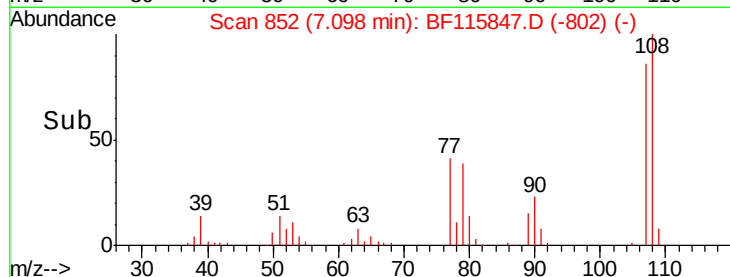
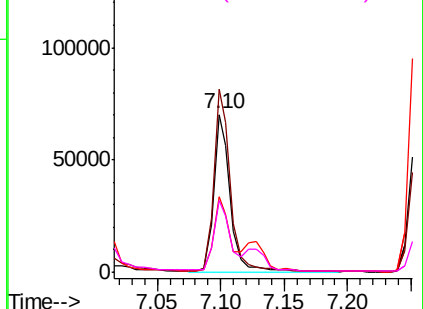
#17
2-Methylphenol
Concen: 8.366 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	107	Resp:	65730
Ion	Ratio	Lower	Upper
107	100		
108	116.3	91.4	137.0
77	47.9	37.6	56.4
79	45.5	36.2	54.4

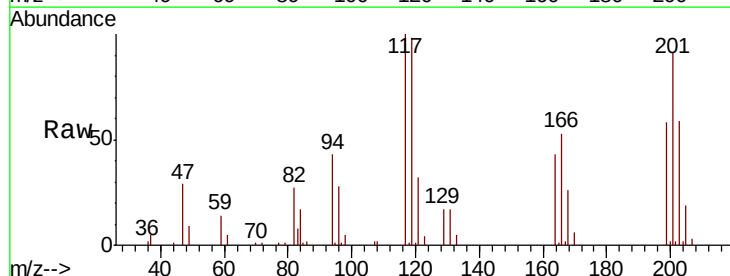


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

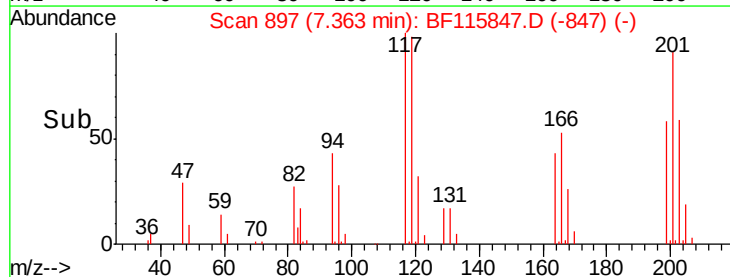
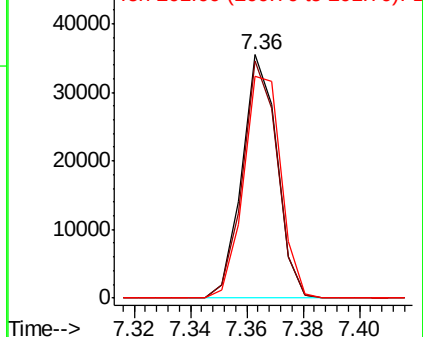


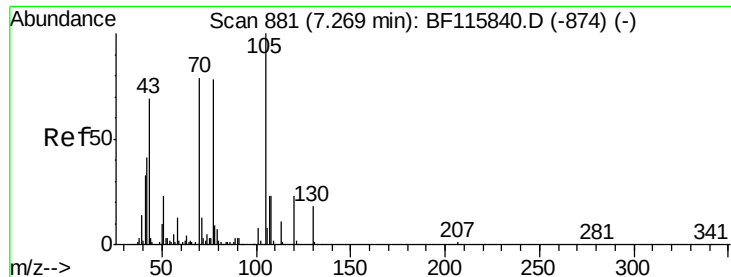
#18
Hexachloroethane
Concen: 7.710 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:	117	Resp:	30477
Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.8	113.6
201	93.4	82.0	123.0



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

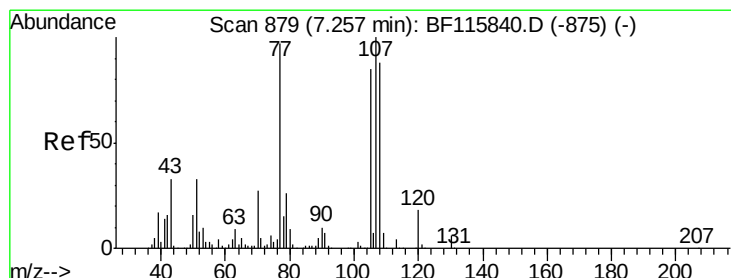
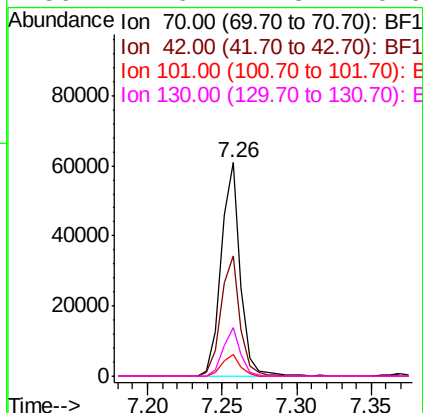
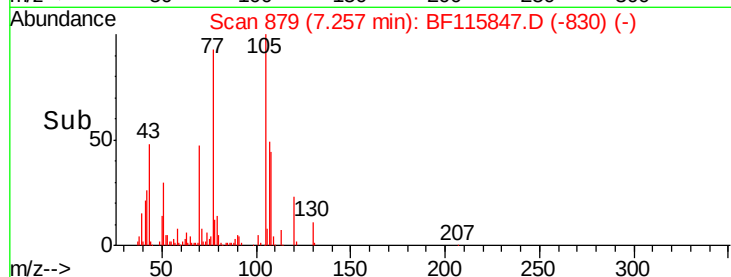
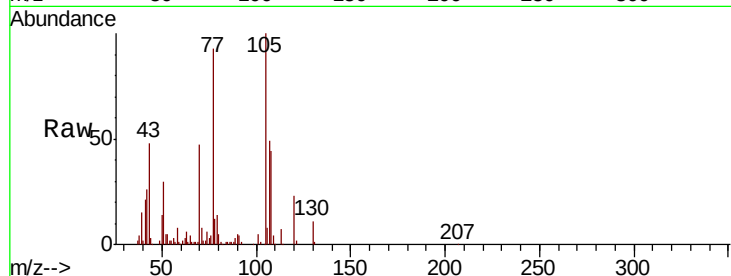




#19
n-Nitroso-di-n-propylamine
Concen: 8.406 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

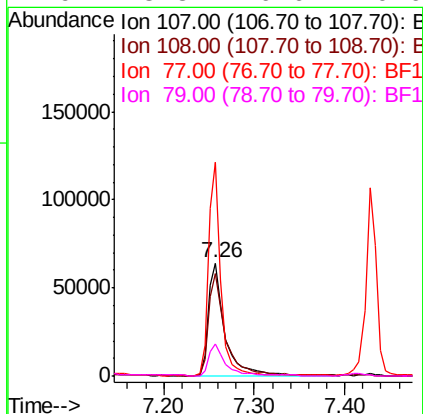
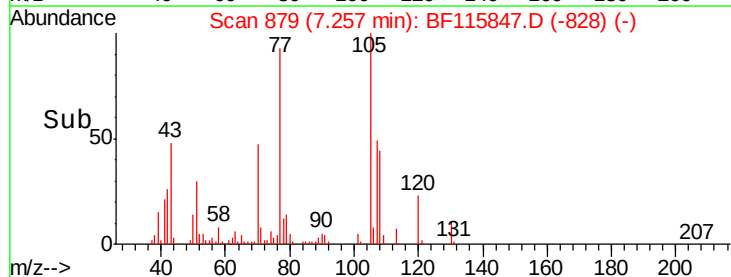
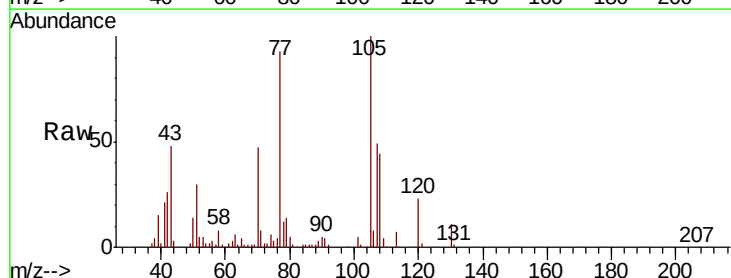
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

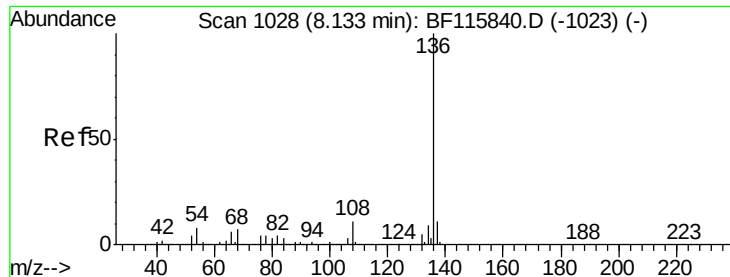
Tot Ion: 70 Resp: 55149
Ion Ratio Lower Upper
70 100
42 56.1 41.8 62.8
101 10.0 7.7 11.5
130 22.6 17.8 26.6



#20
3+4-Methylphenols
Concen: 9.076 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:107 Resp: 84386
Ion Ratio Lower Upper
107 100
108 90.4 67.9 107.9
77 188.6 77.3 117.3#
79 28.3 6.6 46.6

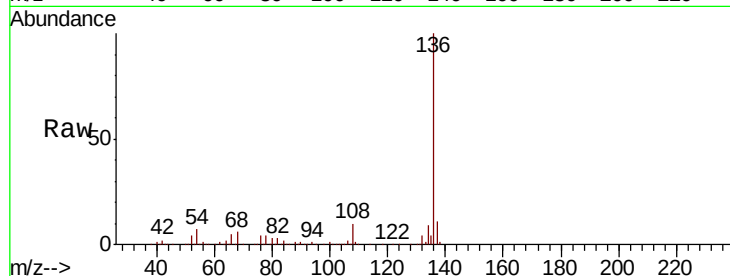




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:136	Resp:	564633
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.1 13.7
54	6.5	6.1 9.1
68	5.7	5.4 8.2



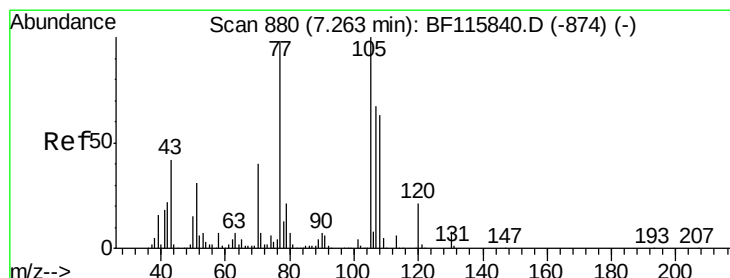
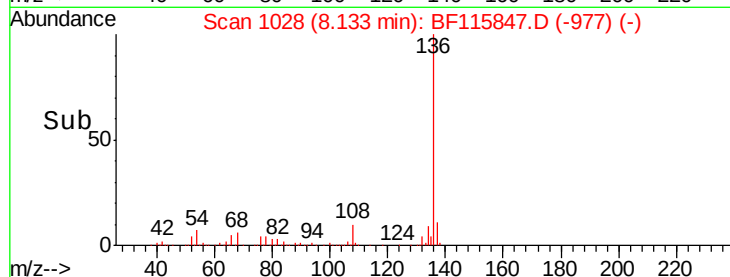
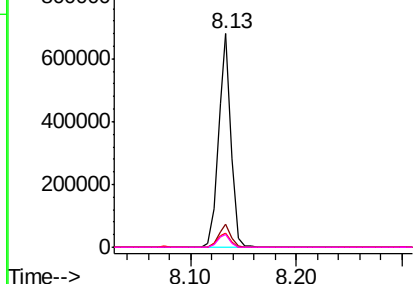
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

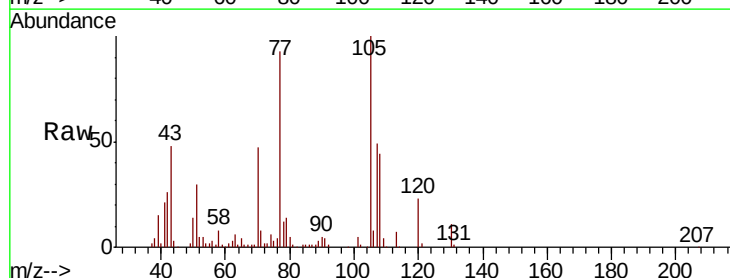
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 9.056 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:105	Resp:	112146
Ion	Ratio	Lower Upper
105	100	
71	8.1	5.4 8.0#
51	29.5	24.6 36.8
120	22.6	17.0 25.6



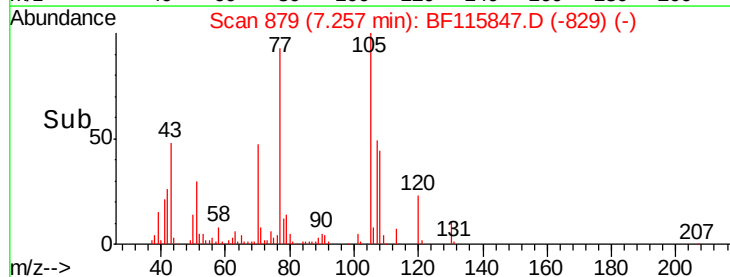
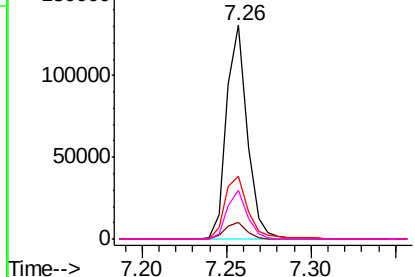
Abundance

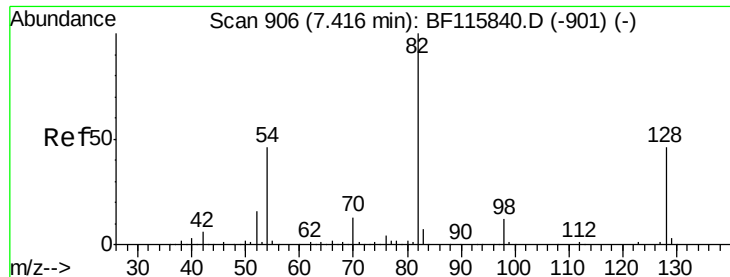
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 80.918 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

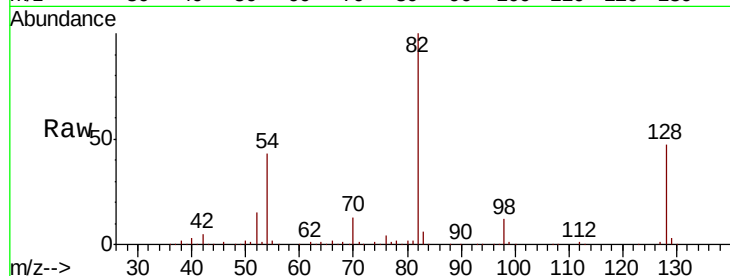
Tot Ion: 82 Resp: 791521

Ion Ratio Lower Upper

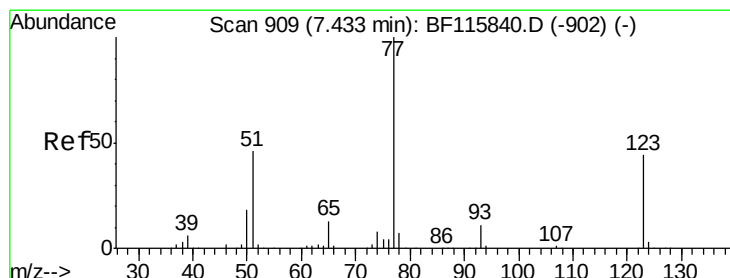
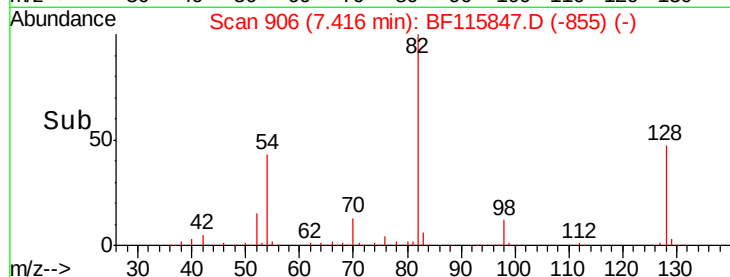
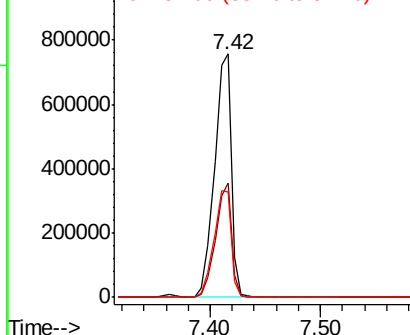
82 100

128 47.2 36.6 55.0

54 43.2 36.6 55.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 8.494 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

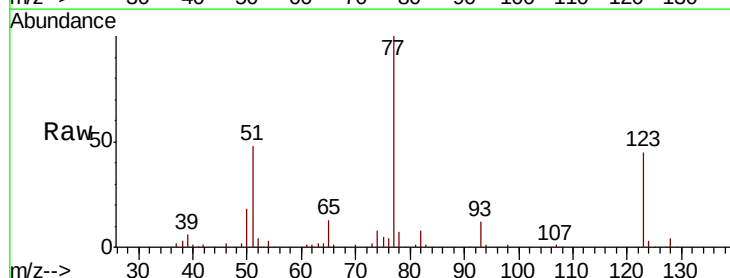
Tgt Ion: 77 Resp: 89716

Ion Ratio Lower Upper

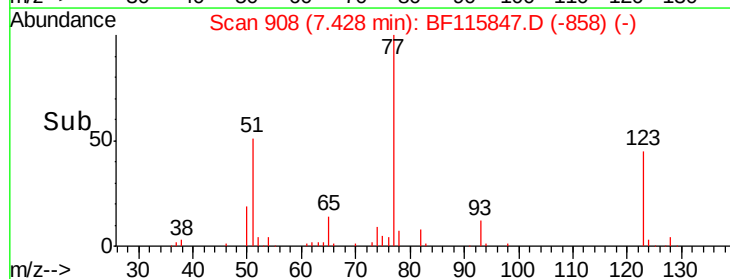
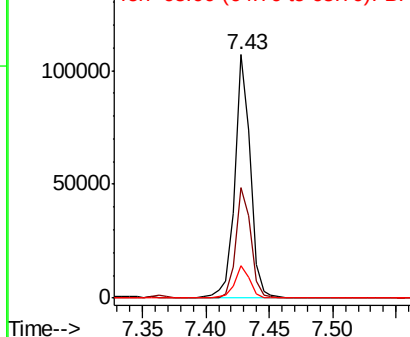
77 100

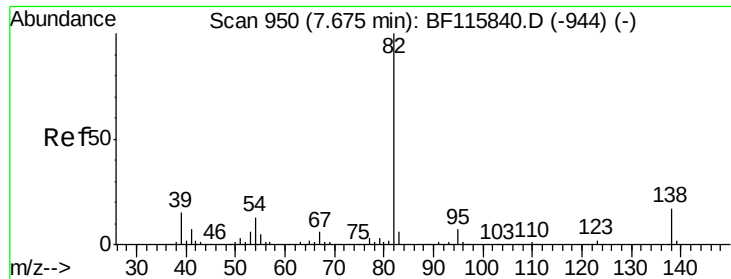
123 45.4 35.5 53.3

65 13.1 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

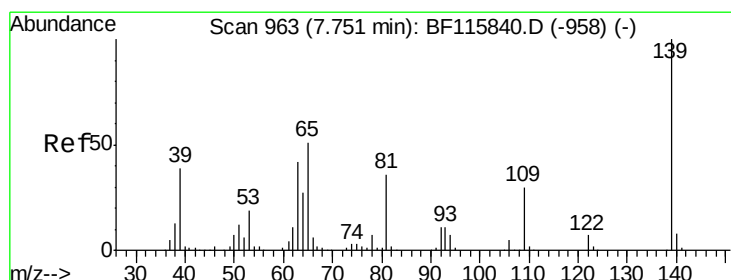
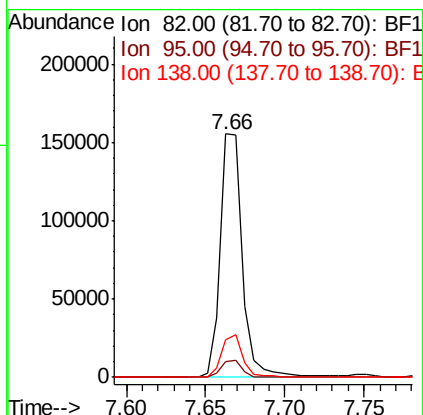
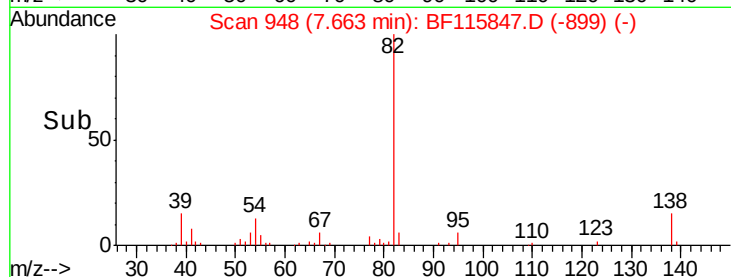
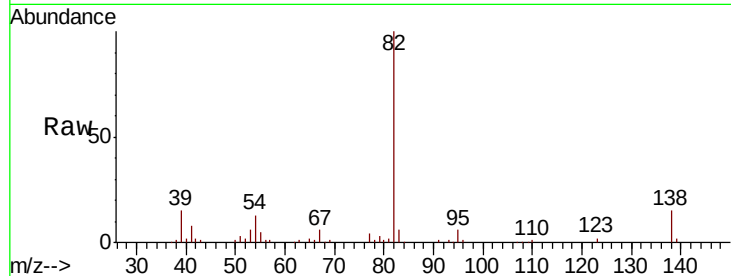




#25
Isophorone
Concen: 8.018 ng
RT: 7.66 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

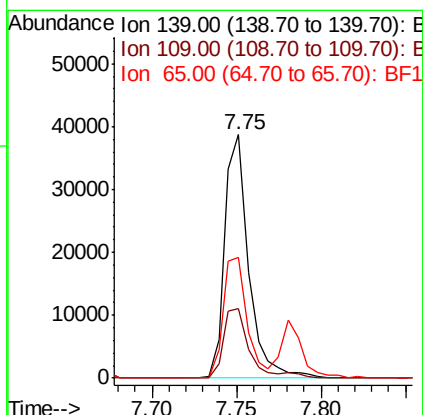
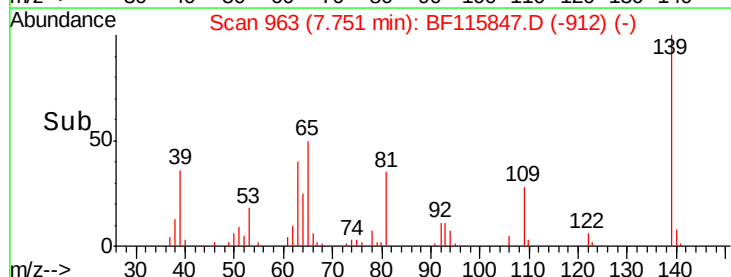
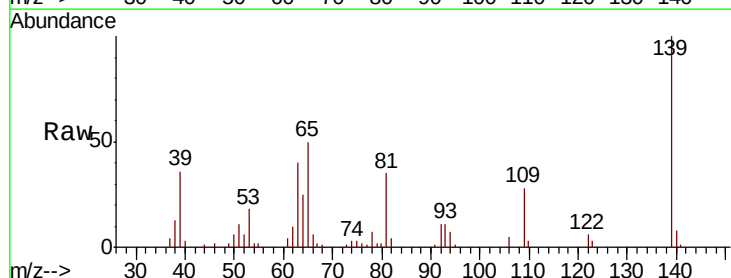
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

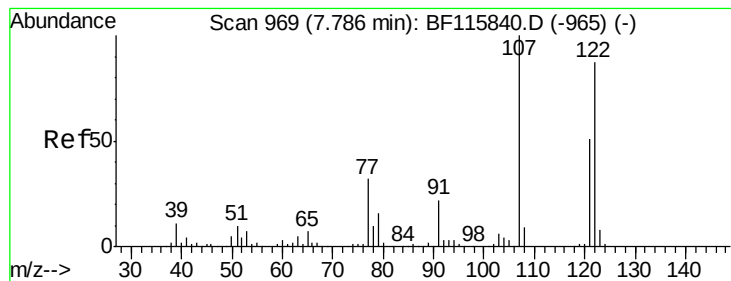
Tot Ion: 82 Resp: 149961
Ion Ratio Lower Upper
82 100
95 6.3 5.5 8.3
138 15.3 13.9 20.9



#26
2-Nitrophenol
Concen: 7.649 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 139 Resp: 38080
Ion Ratio Lower Upper
139 100
109 28.3 23.6 35.4
65 49.7 40.6 60.8





#27

2,4-Dimethylphenol

Concen: 8.868 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

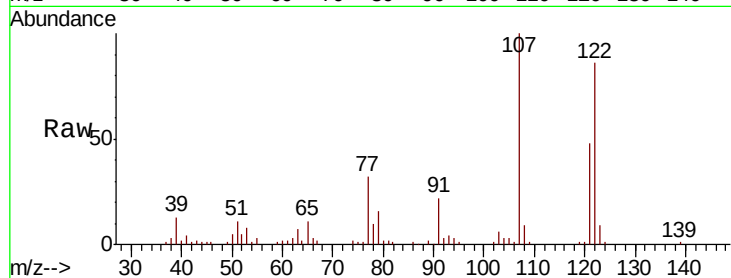
Tot Ion:122 Resp: 66425

Ion Ratio Lower Upper

122 100

107 115.6 91.7 137.5

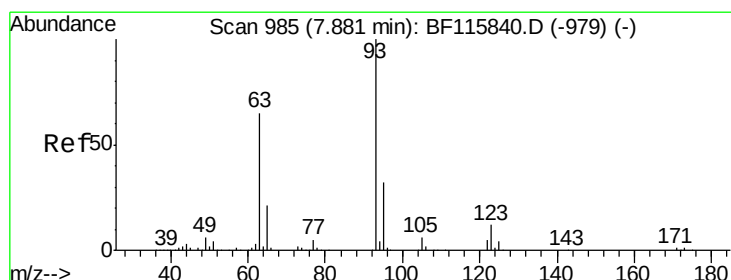
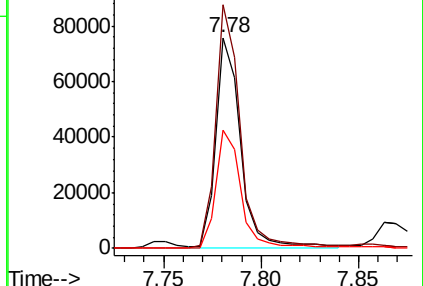
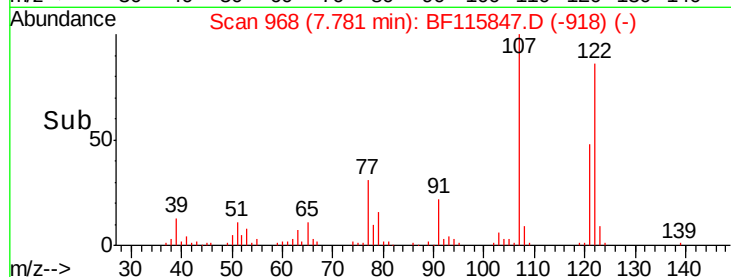
121 55.9 46.6 70.0



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: 7.993 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

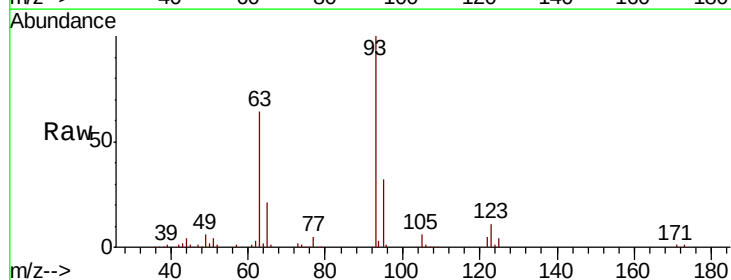
Tgt Ion: 93 Resp: 92669

Ion Ratio Lower Upper

93 100

95 32.2 26.0 39.0

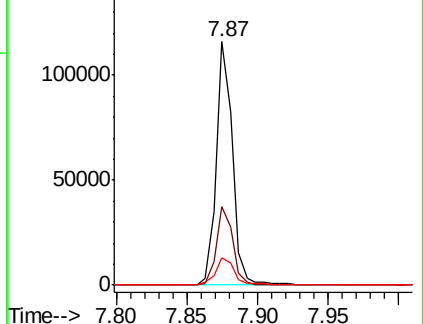
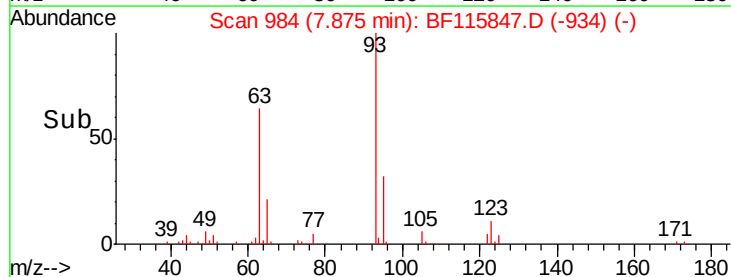
123 11.2 9.5 14.3

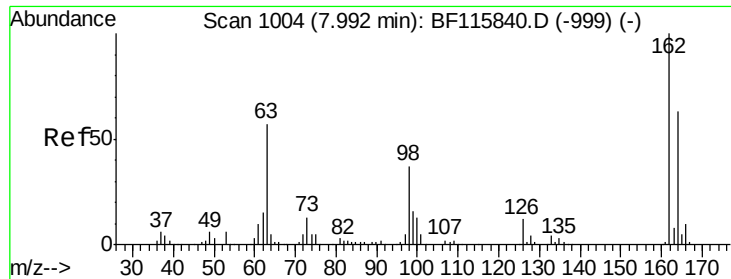


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

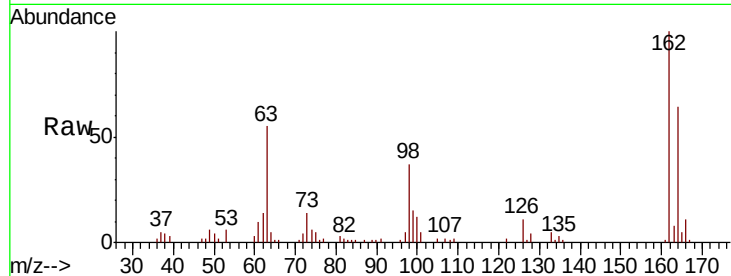




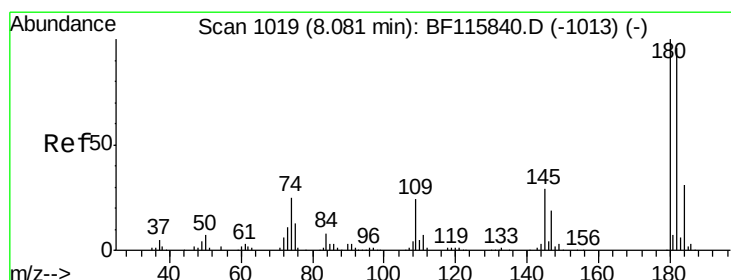
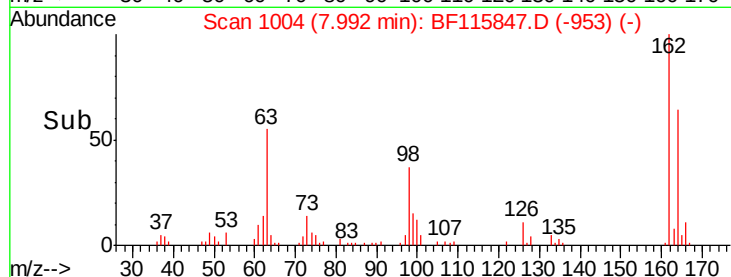
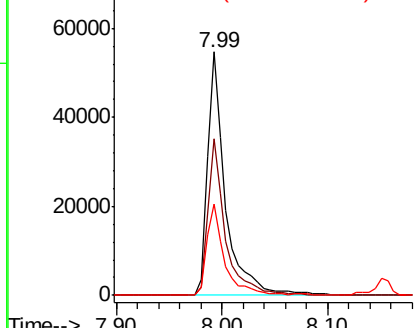
#29
 2,4-Dichlorophenol
 Concen: 8.146 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:162 Resp: 64423
 Ion Ratio Lower Upper
 162 100
 164 64.4 43.2 83.2
 98 37.5 17.3 57.3

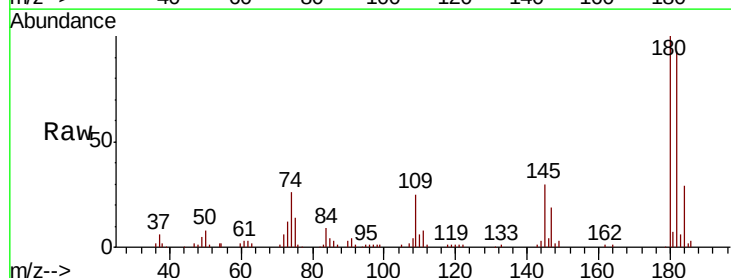


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

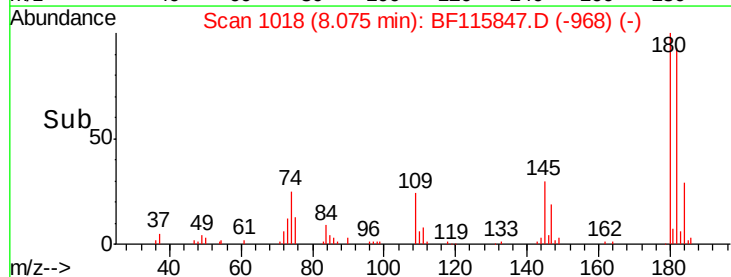
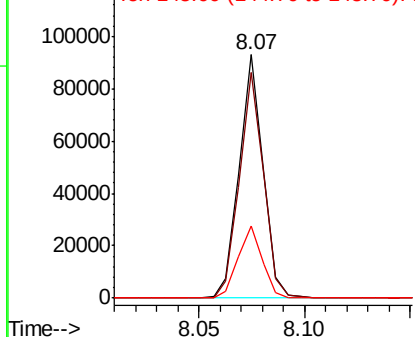


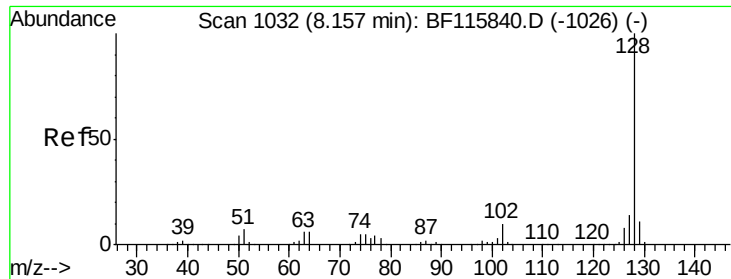
#30
 1,2,4-Trichlorobenzene
 Concen: 8.010 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:180 Resp: 72215
 Ion Ratio Lower Upper
 180 100
 182 92.8 76.6 114.8
 145 29.7 23.2 34.8



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

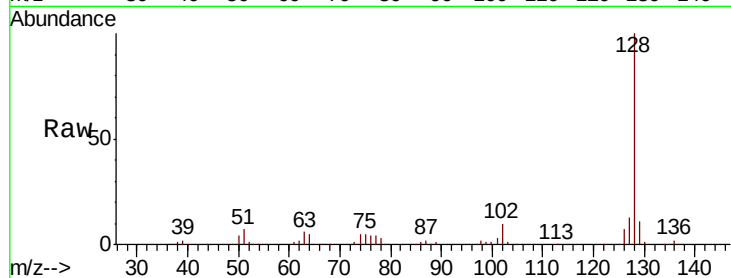




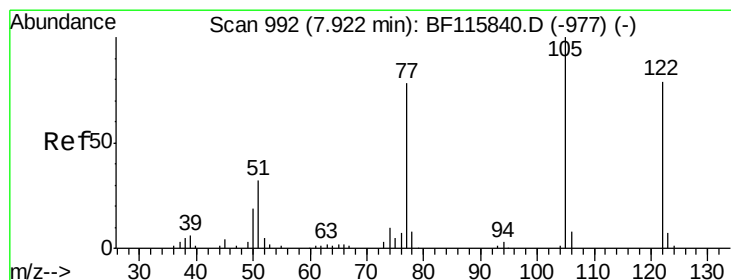
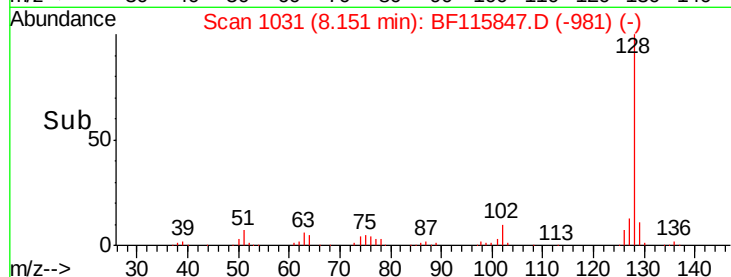
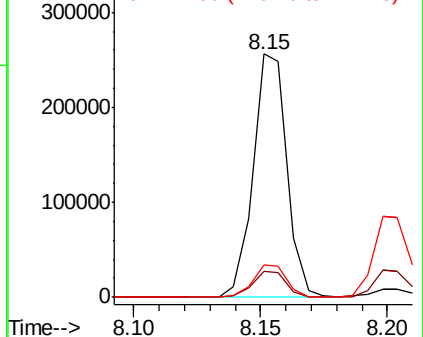
#31
Naphthalene
Concen: 8.935 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:128 Resp: 237403
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.2 11.0 16.4

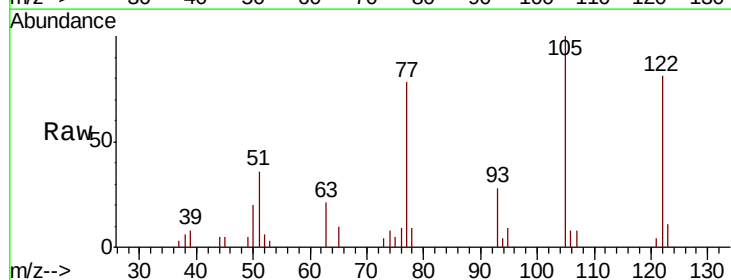


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

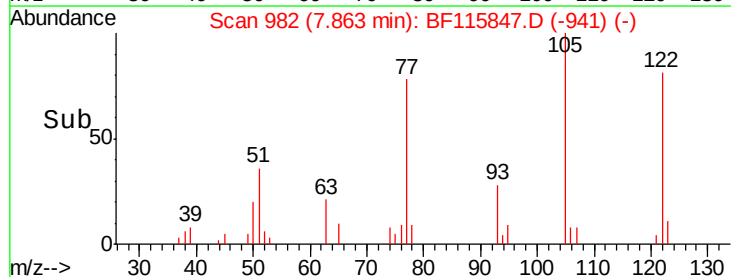
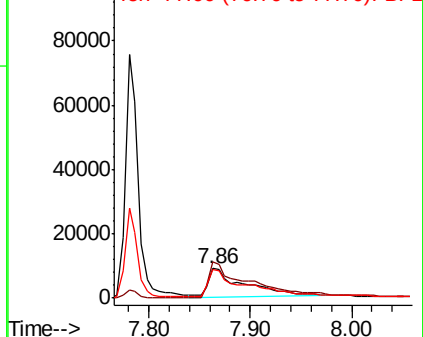


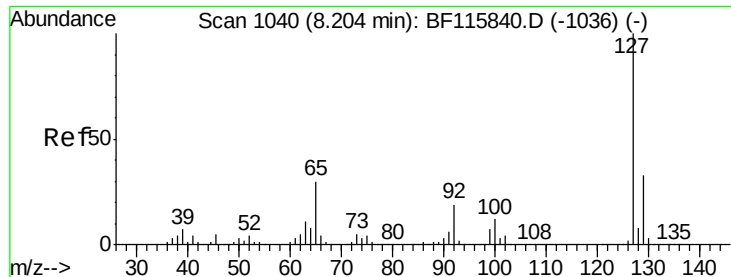
#32
Benzoic acid
Concen: 4.240 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.06 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:122 Resp: 22390
Ion Ratio Lower Upper
122 100
105 123.9 103.1 143.1
77 97.1 76.8 116.8



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

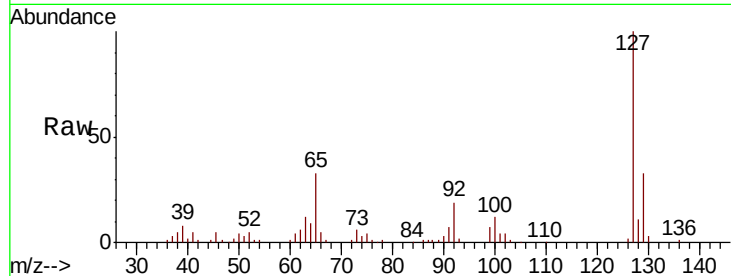




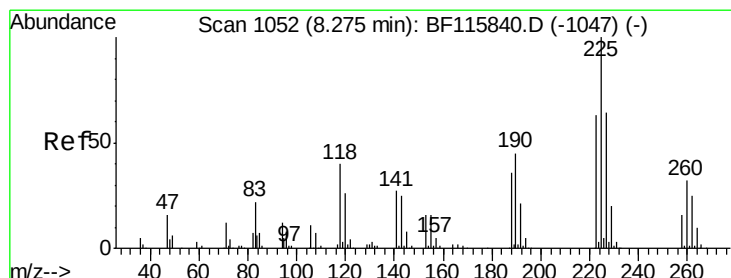
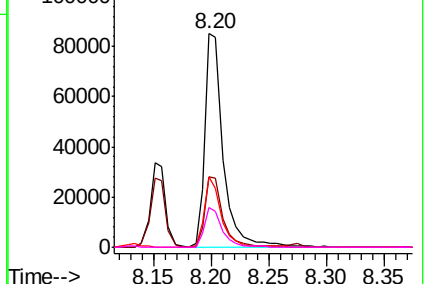
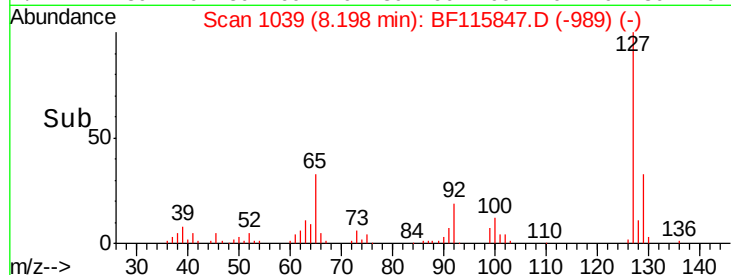
#33
4-Chloroaniline
Concen: 8.023 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:127	Resp:	95247
Ion Ratio	Lower	Upper
127	100	
129	33.1	26.0 39.0
65	33.0	23.9 35.9
92	18.7	14.9 22.3

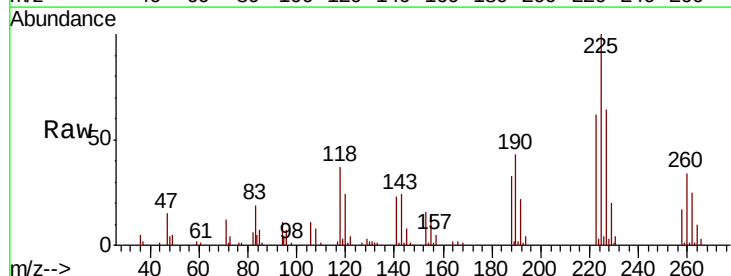


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

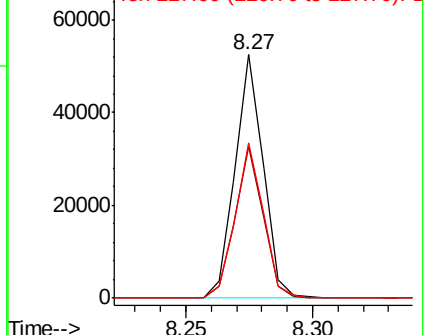
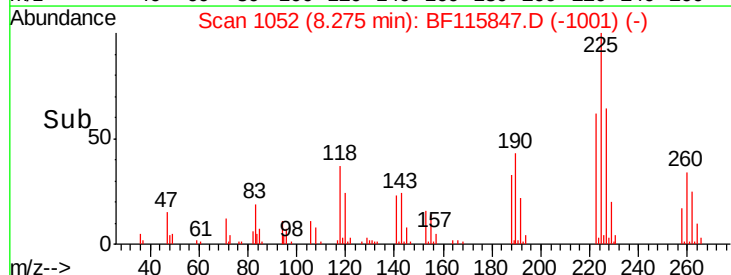


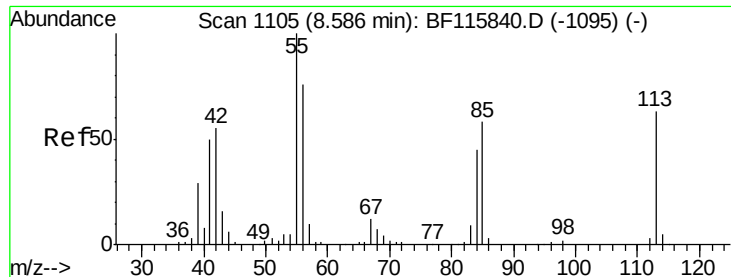
#34
Hexachlorobutadiene
Concen: 7.754 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:225	Resp:	40264
Ion Ratio	Lower	Upper
225	100	
223	62.0	50.4 75.6
227	63.8	51.6 77.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

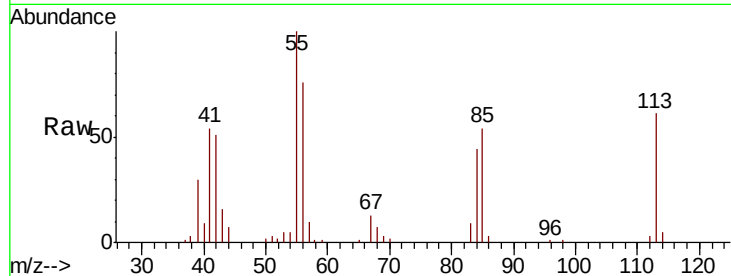




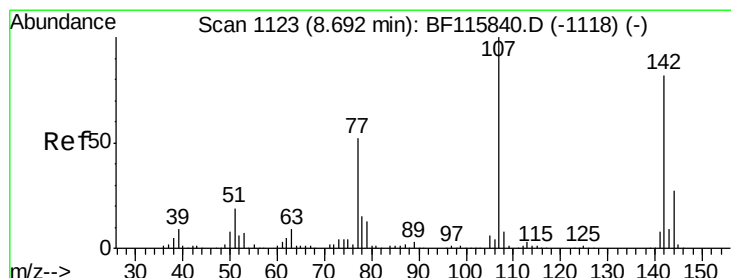
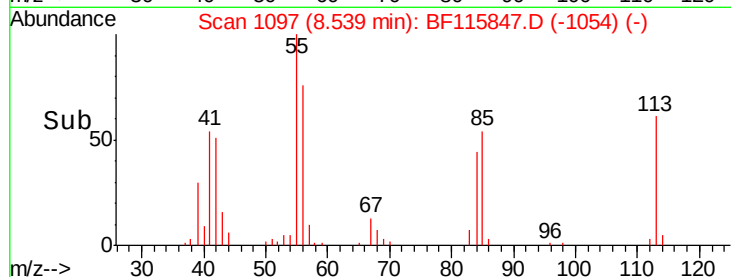
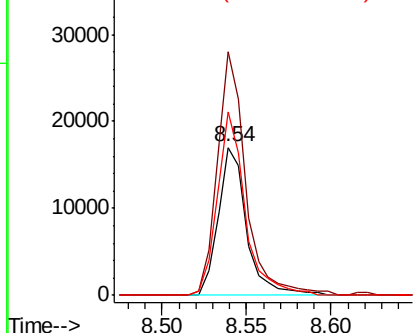
#35
Caprolactam
Concen: 7.775 ng
RT: 8.54 min Scan# 1097
Delta R.T. -0.05 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:113 Resp: 19887
Ion Ratio Lower Upper
113 100
55 164.5 138.1 178.1
56 124.3 100.6 140.6

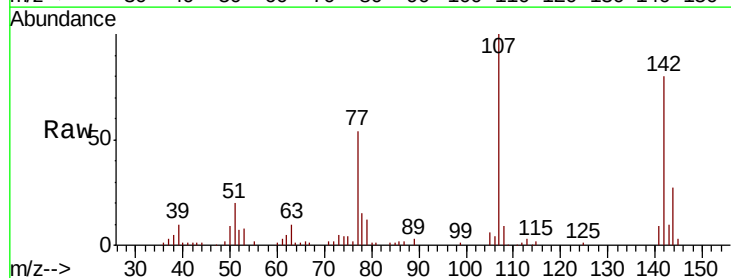


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

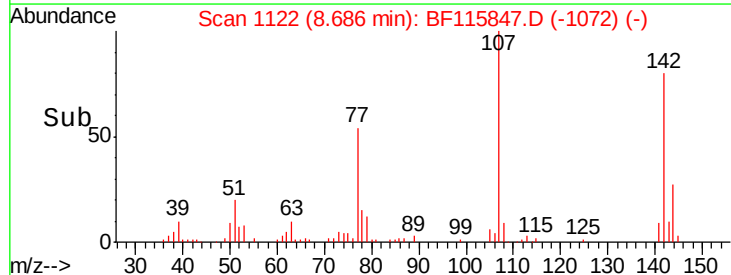
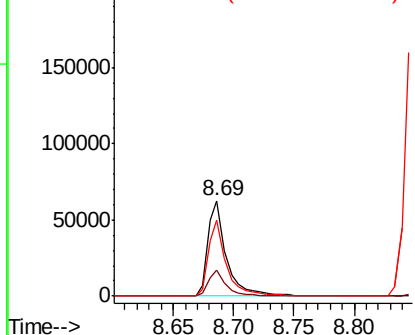


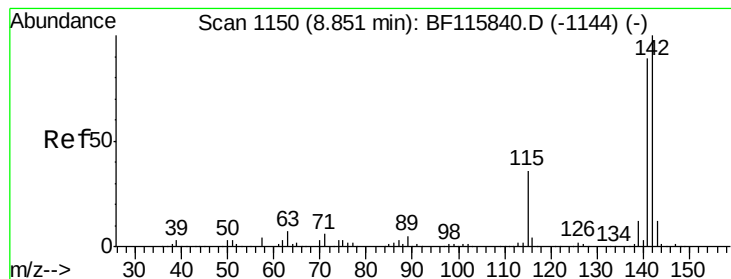
#36
4-Chloro-3-methylphenol
Concen: 8.048 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:107 Resp: 66221
Ion Ratio Lower Upper
107 100
144 27.0 21.4 32.0
142 80.4 65.5 98.3



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 8.967 ng

RT: 8.85 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

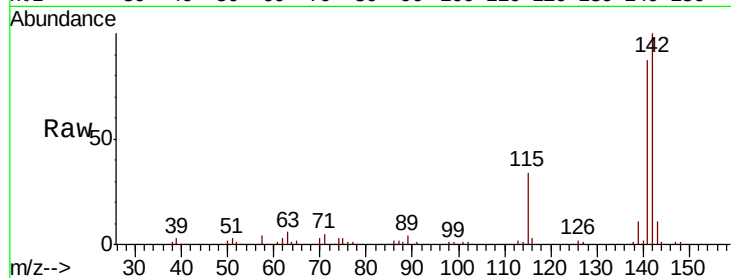
Tot Ion:142 Resp: 156905

Ion Ratio Lower Upper

142 100

141 87.2 71.4 107.2

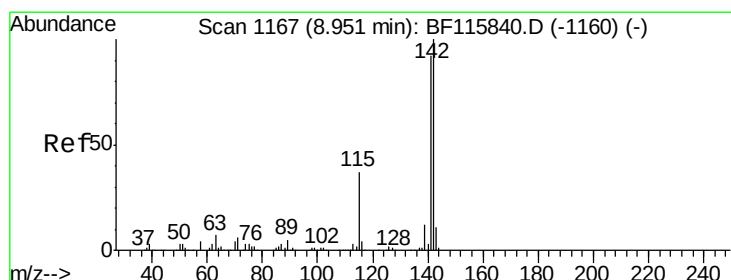
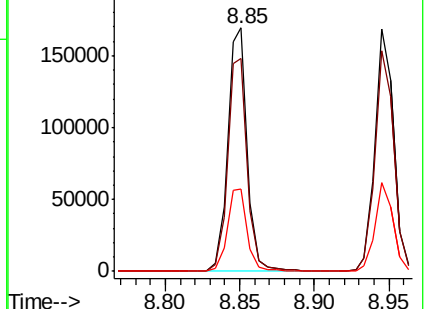
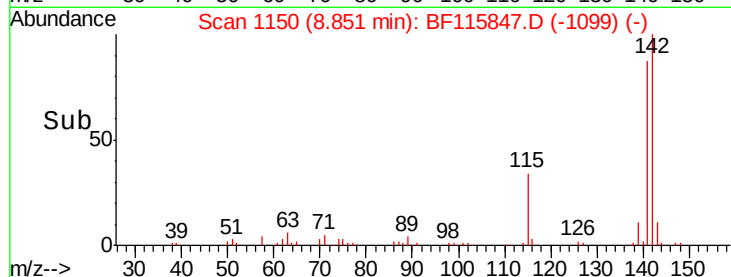
115 33.7 28.9 43.3



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: 8.810 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

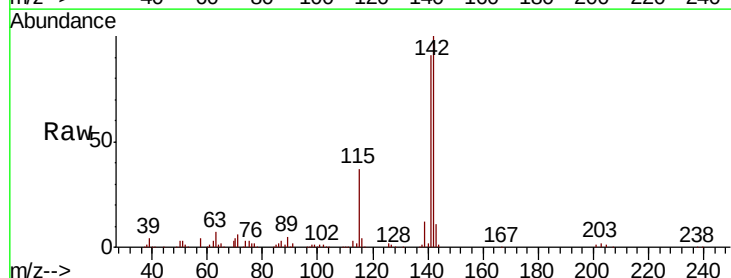
Tgt Ion:142 Resp: 145845

Ion Ratio Lower Upper

142 100

141 90.8 73.8 110.6

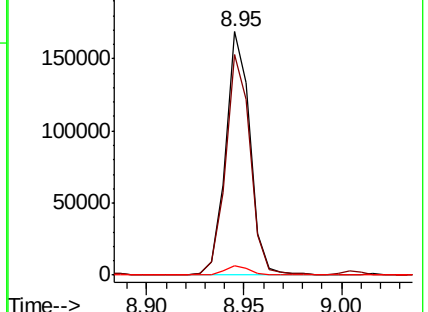
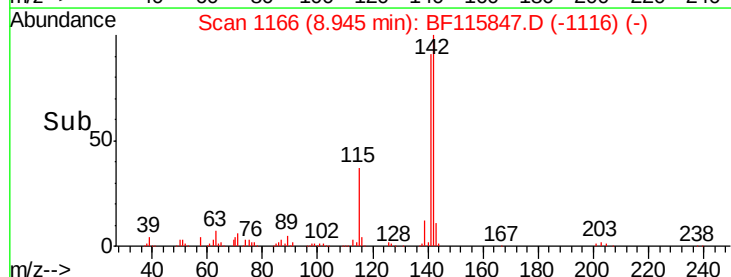
116 3.8 3.1 4.7

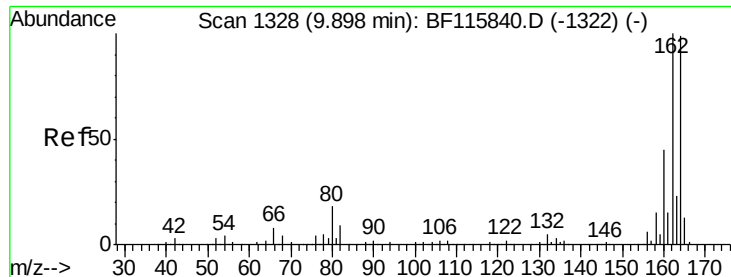


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

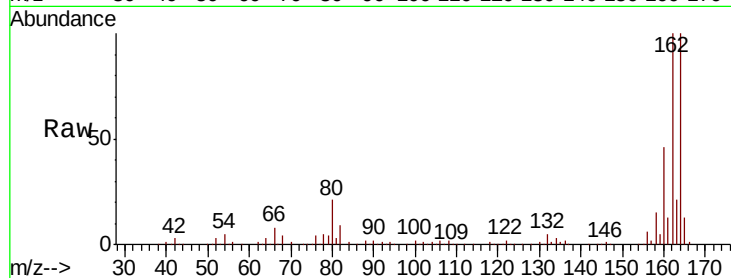
Tot Ion:164 Resp: 298134

Ion Ratio Lower Upper

164 100

162 100.3 80.8 121.2

160 45.9 36.2 54.4

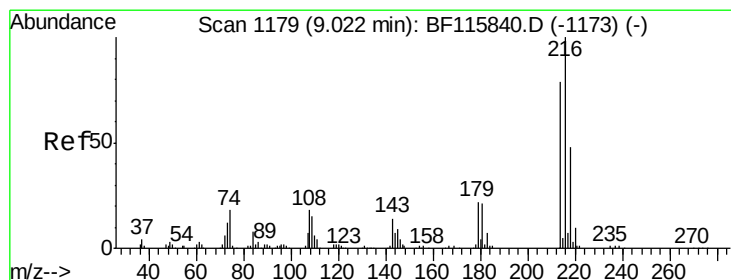
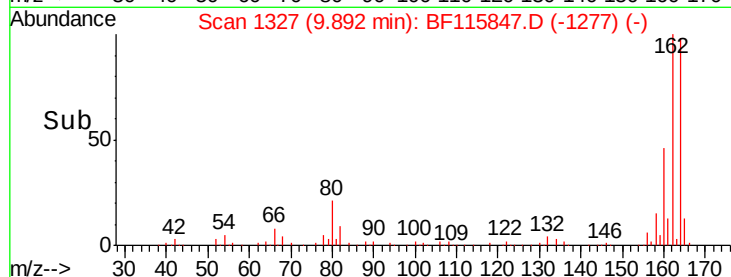
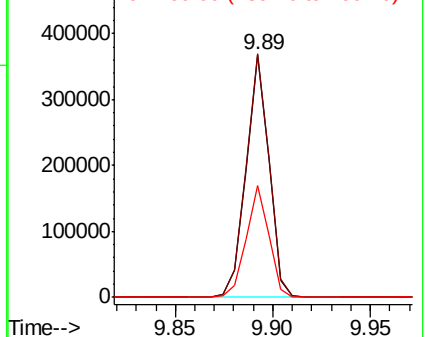


Abundance

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: 8.620 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Tgt Ion:216 Resp: 68708

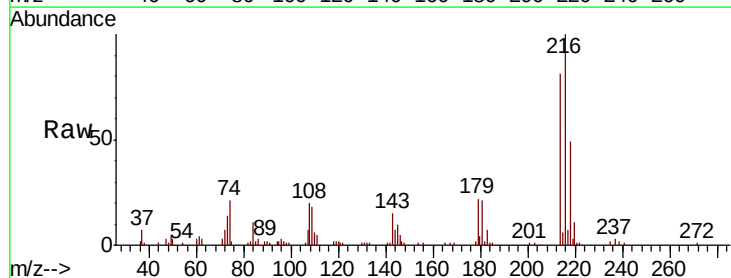
Ion Ratio Lower Upper

216 100

214 78.9 62.8 94.2

179 21.2 17.6 26.4

108 19.7 16.1 24.1



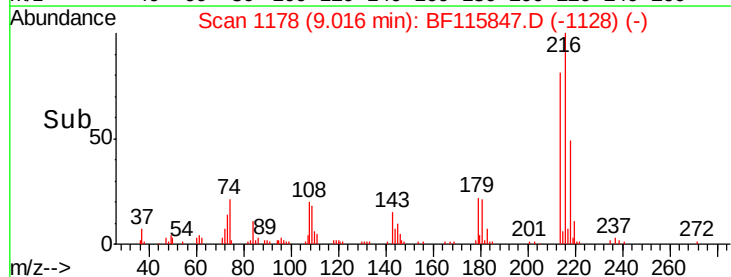
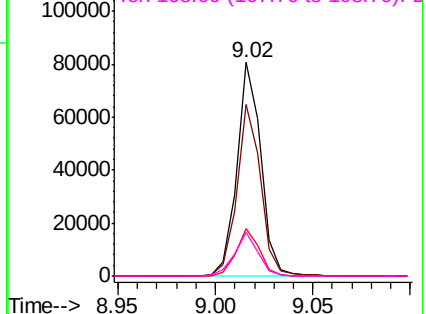
Abundance

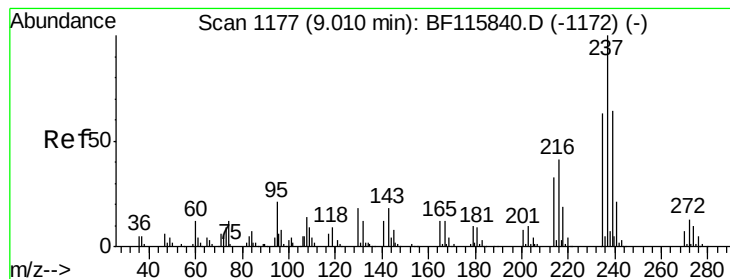
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 4.551 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

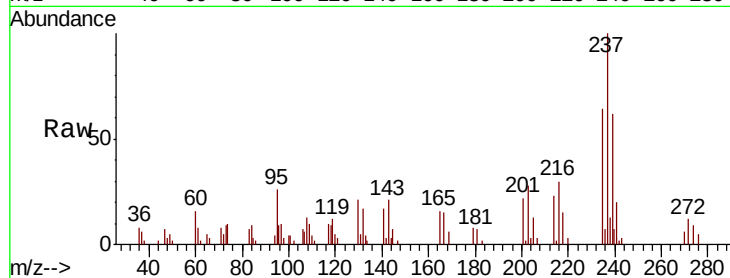
Tot Ion:237 Resp: 14177

Ion Ratio Lower Upper

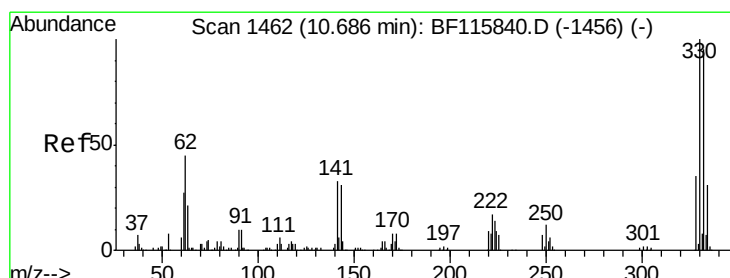
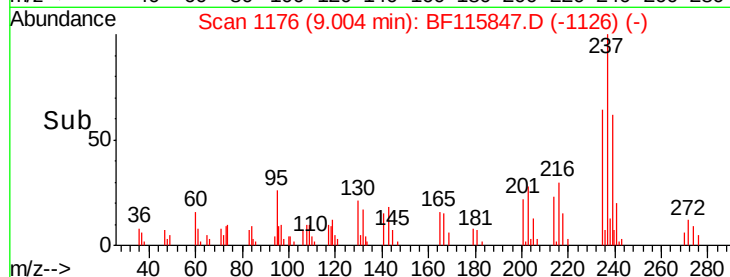
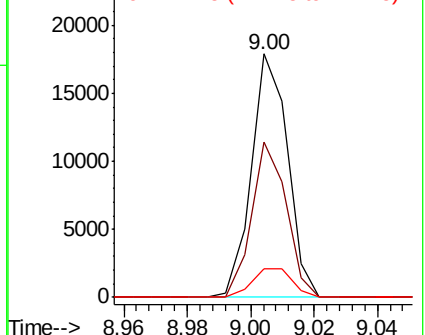
237 100

235 63.8 42.5 82.5

272 12.0 0.0 33.3



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



#42

2,4,6-Tribromophenol

Concen: 100.603 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

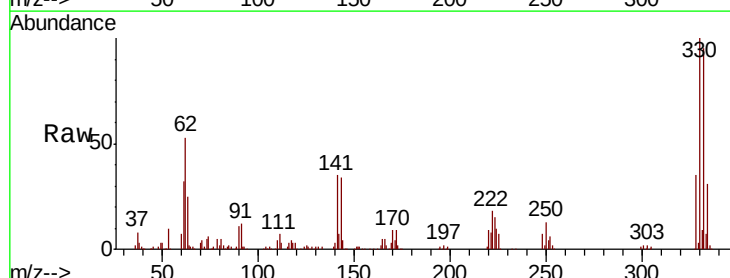
Tgt Ion:330 Resp: 290792

Ion Ratio Lower Upper

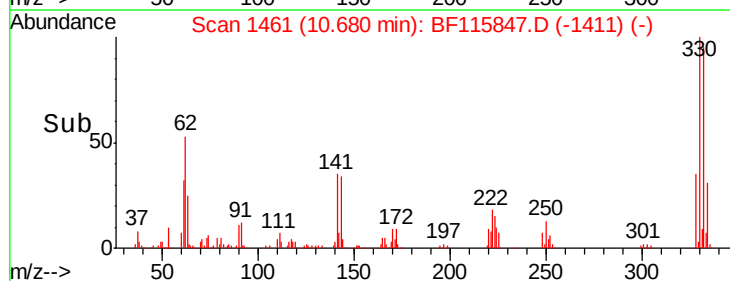
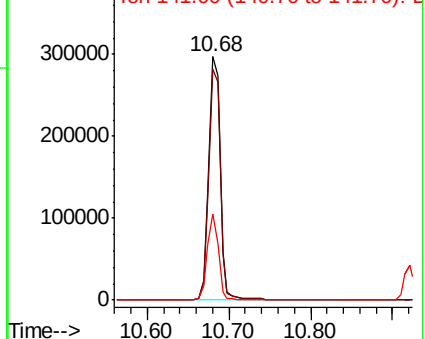
330 100

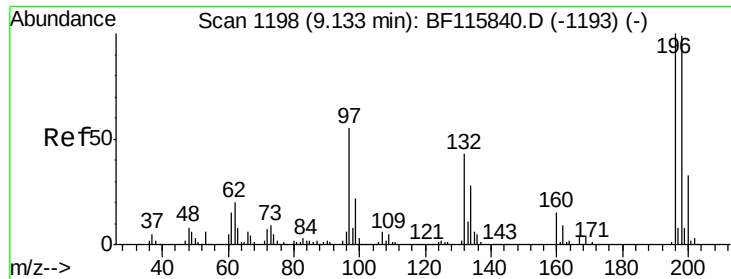
332 95.2 77.7 116.5

141 33.9 28.1 42.1



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

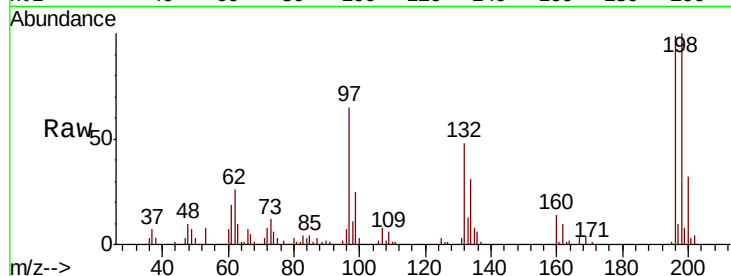




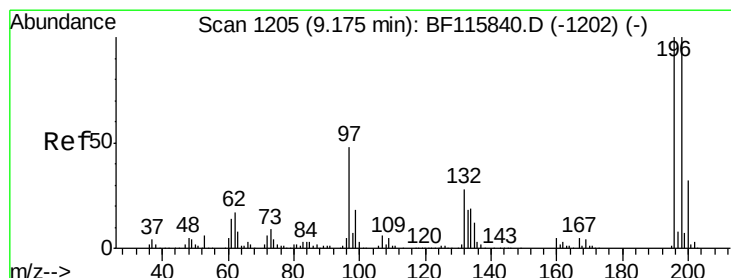
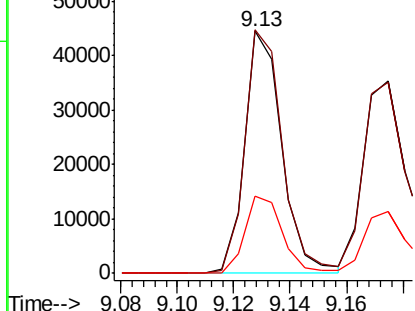
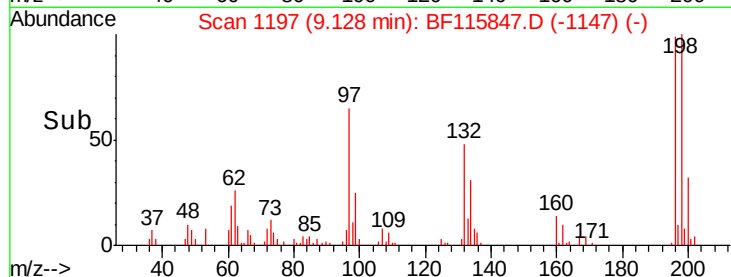
#43
 2,4,6-Trichlorophenol
 Concen: 7.436 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:196 Resp: 40795
 Ion Ratio Lower Upper
 196 100
 198 100.6 79.1 118.7
 200 31.8 26.0 39.0

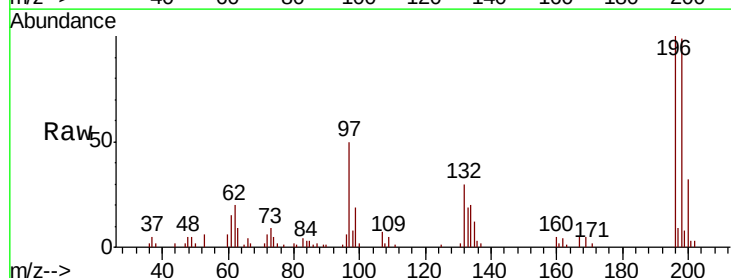


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

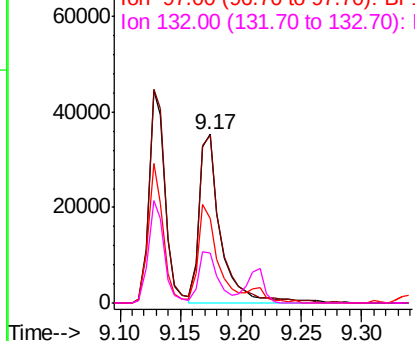
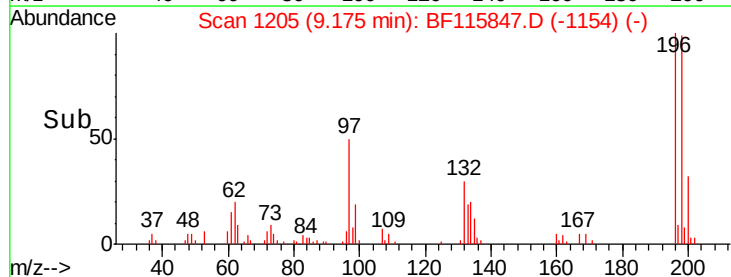


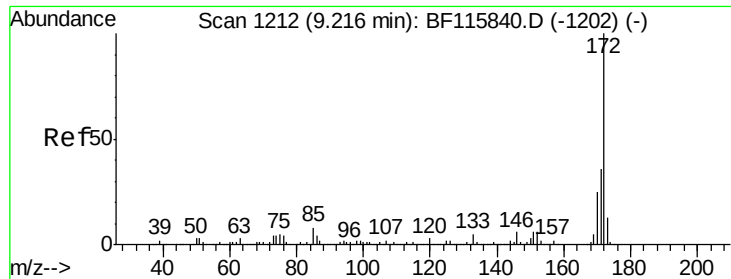
#44
 2,4,5-Trichlorophenol
 Concen: 7.718 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:196 Resp: 43771
 Ion Ratio Lower Upper
 196 100
 198 99.2 80.1 120.1
 97 50.3 38.9 58.3
 132 29.8 22.6 33.8



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

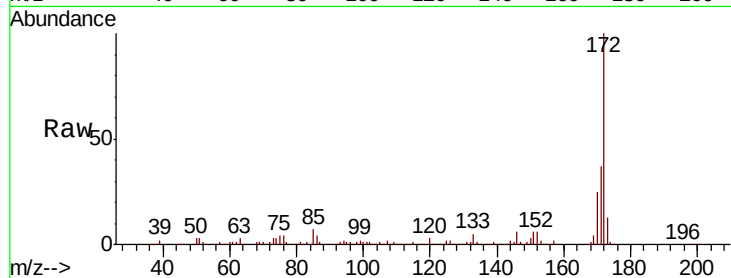




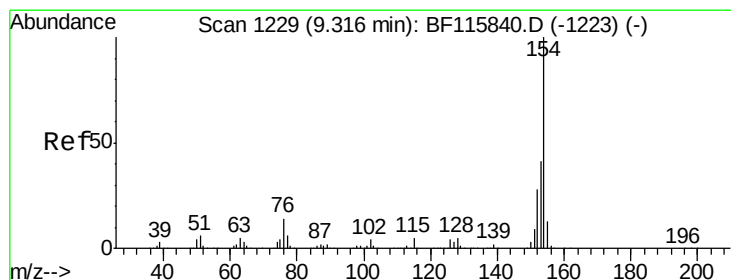
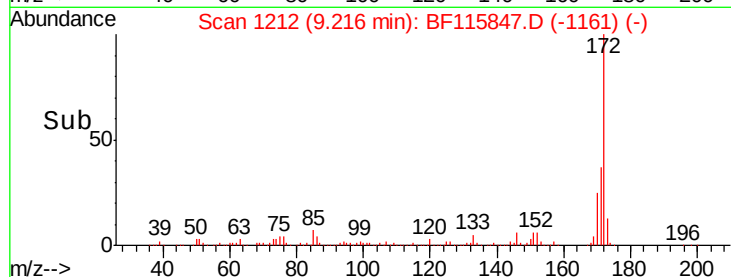
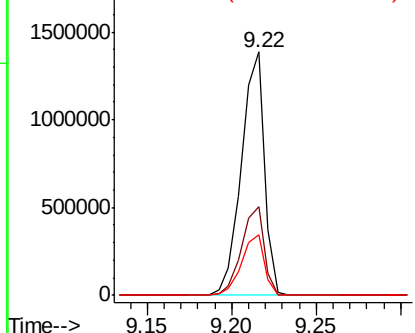
#45
2-Fluorobiphenyl
Concen: 82.934 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:172 Resp: 1320047
Ion Ratio Lower Upper
172 100
171 36.6 29.1 43.7
170 24.9 20.1 30.1

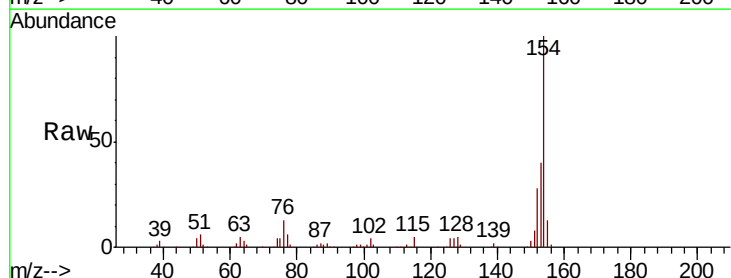


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

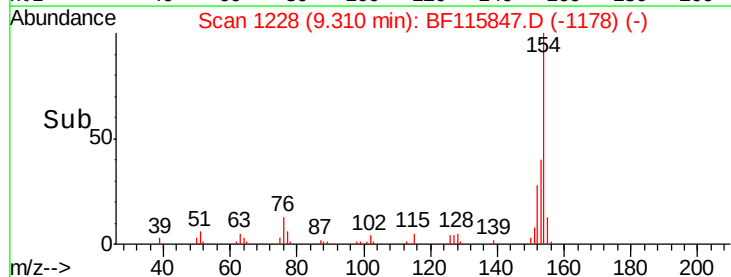
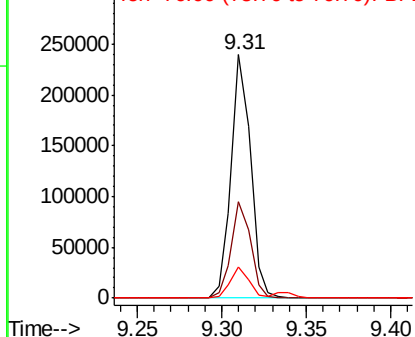


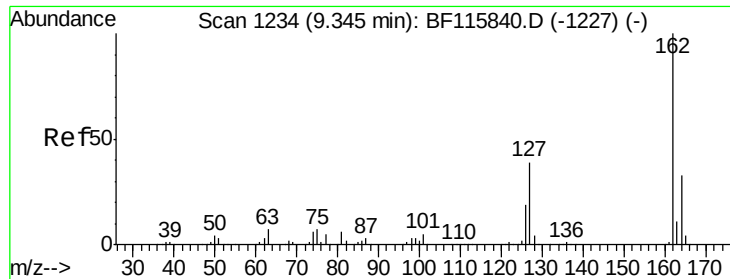
#46
1,1'-Biphenyl
Concen: 9.148 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:154 Resp: 192557
Ion Ratio Lower Upper
154 100
153 39.8 20.9 60.9
76 12.9 0.0 34.3



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

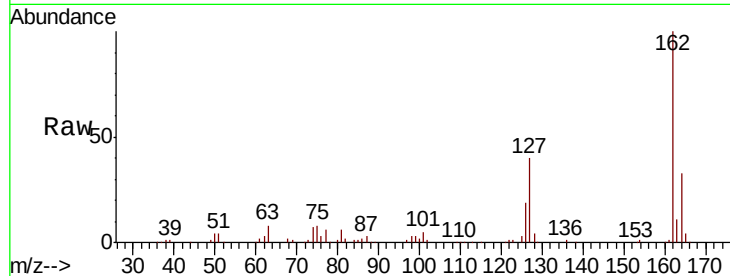




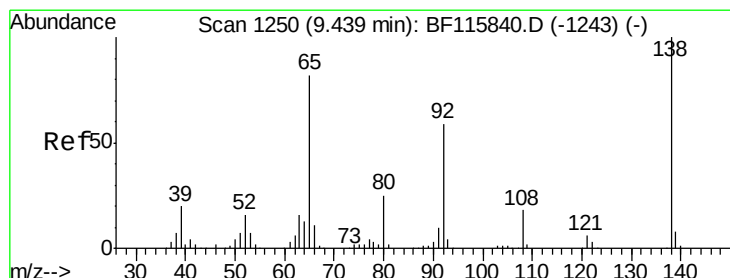
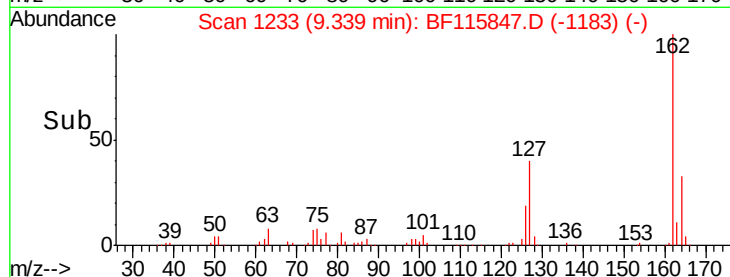
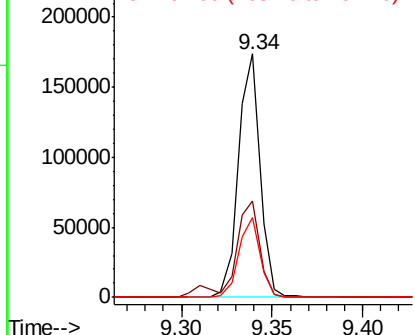
#47
2-Chloronaphthalene
Concen: 8.250 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:162 Resp: 144528
Ion Ratio Lower Upper
162 100
127 39.7 31.3 46.9
164 32.9 26.6 40.0

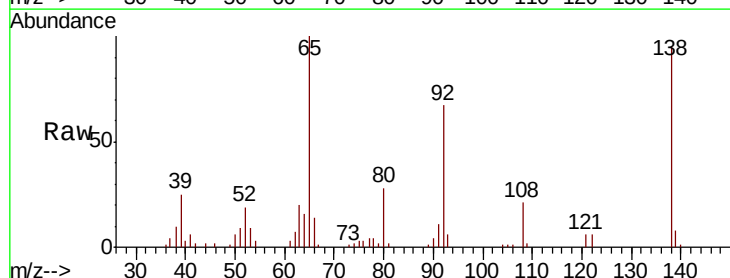


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

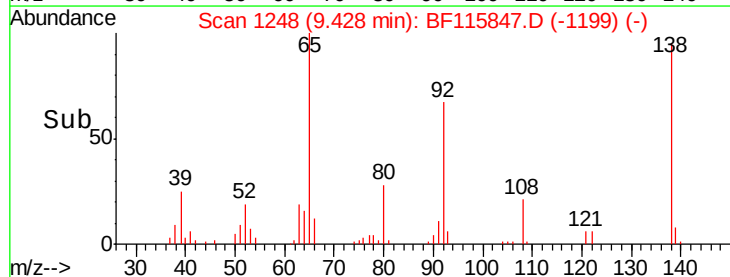
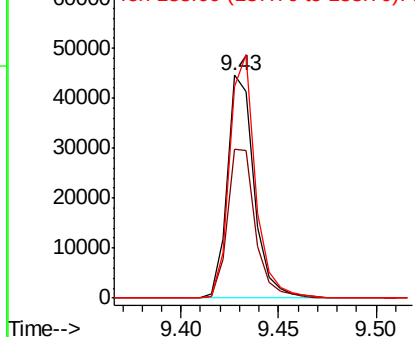


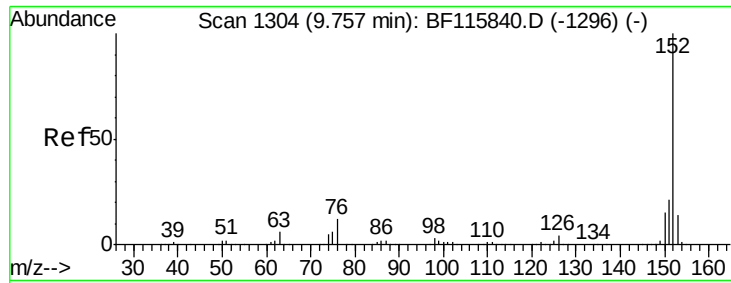
#48
2-Nitroaniline
Concen: 7.337 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 65 Resp: 42482
Ion Ratio Lower Upper
65 100
92 67.0 57.1 85.7
138 94.9 97.1 145.7#



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





#49

Acenaphthylene

Concen: 9.049 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

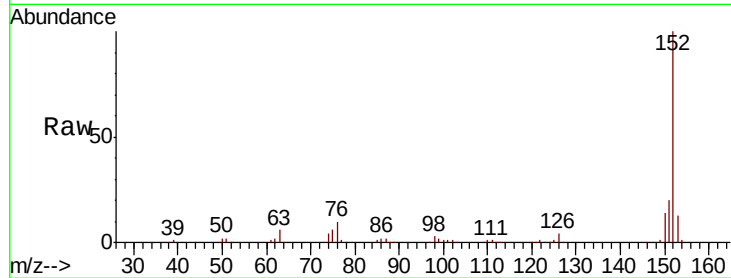
Tot Ion:152 Resp: 231264

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2

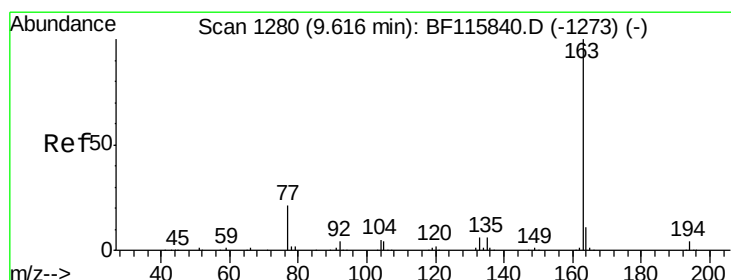
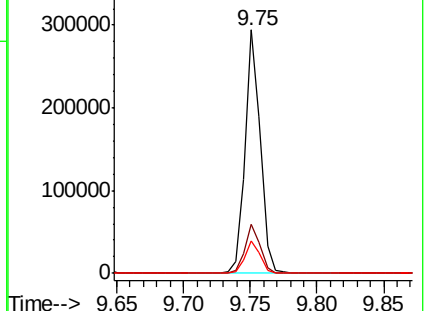
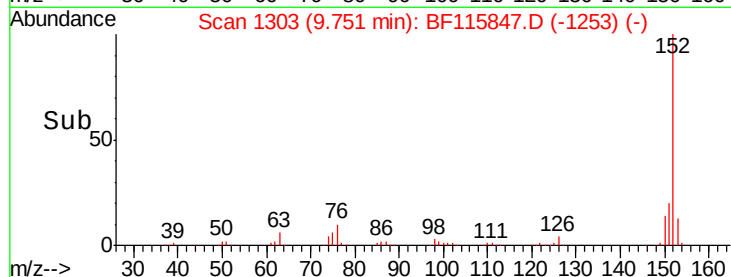
153 13.2 11.6 17.4



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: 7.877 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

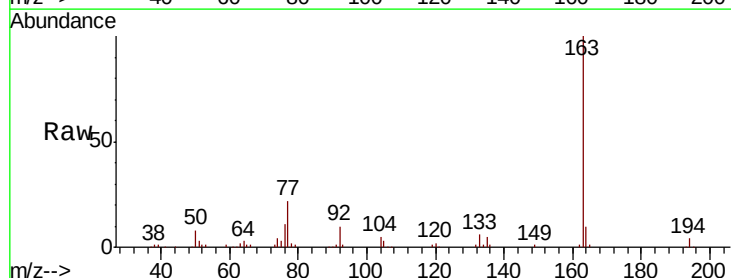
Tgt Ion:163 Resp: 159895

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

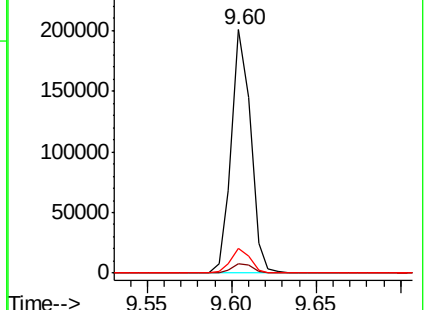
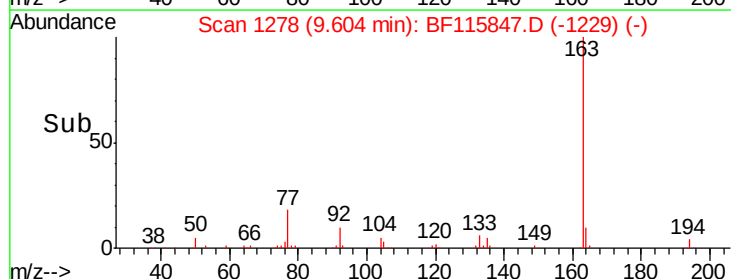
164 10.3 8.4 12.6

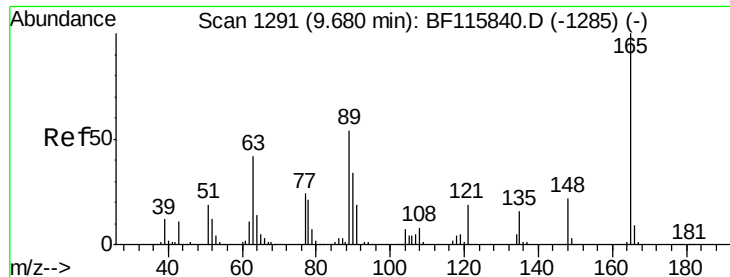


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.972 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

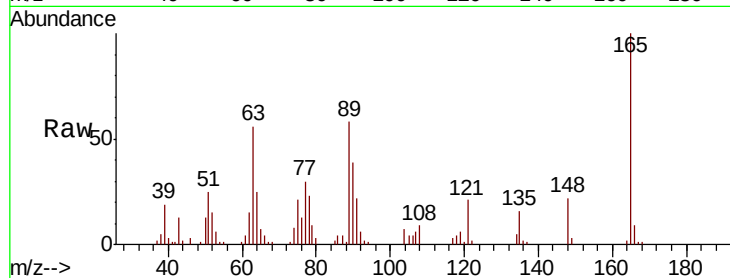
Tot Ion:165 Resp: 35167

Ion Ratio Lower Upper

165 100

63 56.4 39.4 59.2

89 58.5 43.0 64.6



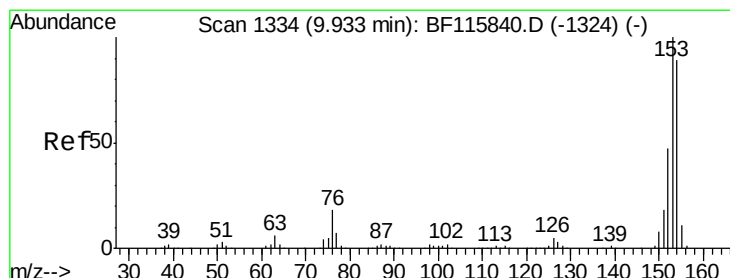
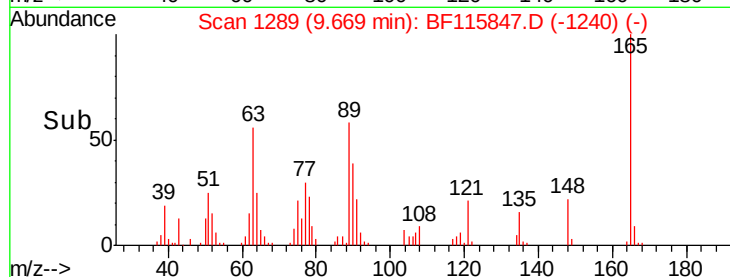
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

9.67

Time-->



#52

Acenaphthene

Concen: 8.700 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

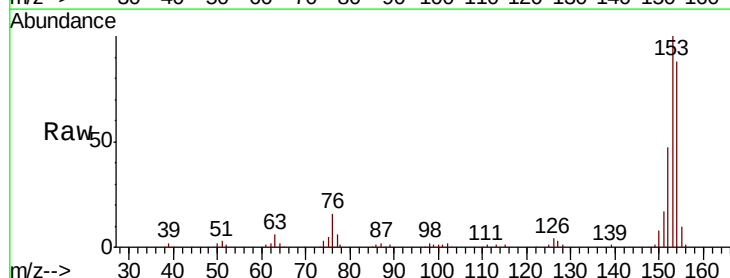
Tgt Ion:154 Resp: 136402

Ion Ratio Lower Upper

154 100

153 113.4 90.1 135.1

152 53.2 42.6 63.8



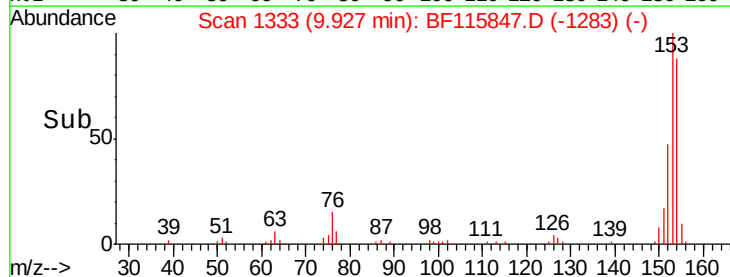
Abundance Ion 154.00 (153.70 to 154.70): E

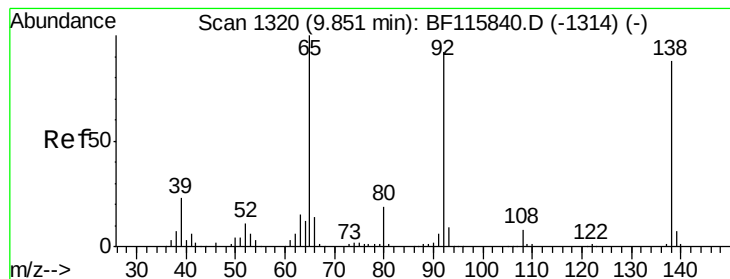
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

9.93

Time-->





#53

3-Nitroaniline

Concen: 7.224 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

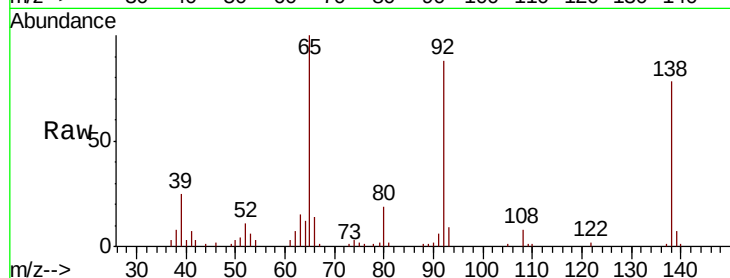
Tot Ion:138 Resp: 39375

Ion Ratio Lower Upper

138 100

108 10.4 7.4 11.2

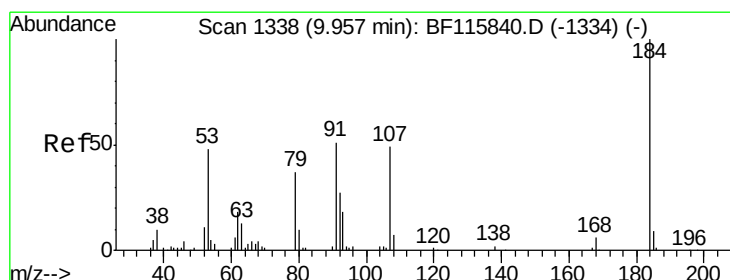
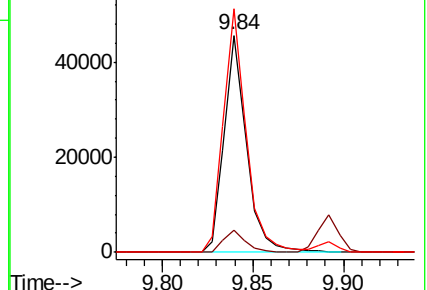
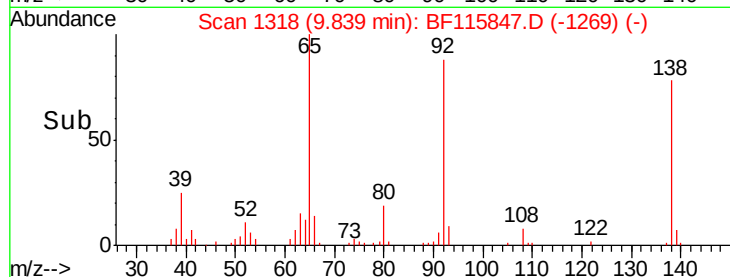
92 112.3 83.9 125.9



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: 3.389 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

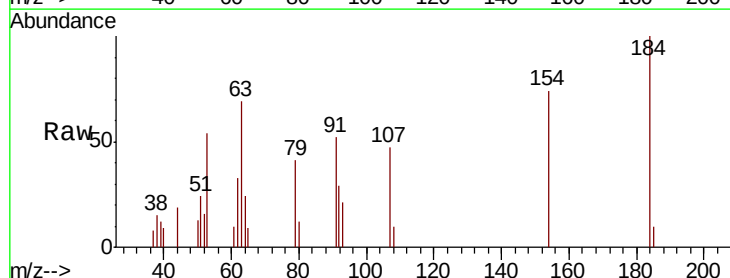
Tgt Ion:184 Resp: 6349

Ion Ratio Lower Upper

184 100

63 68.8 56.7 85.1

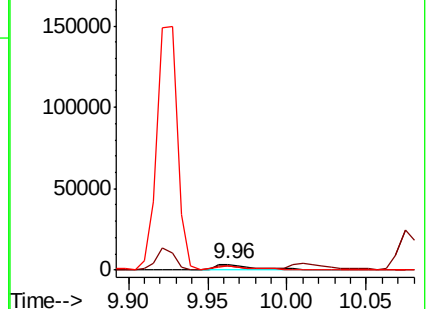
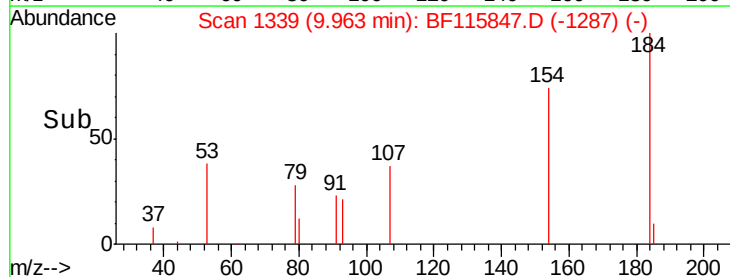
154 74.3 51.9 77.9

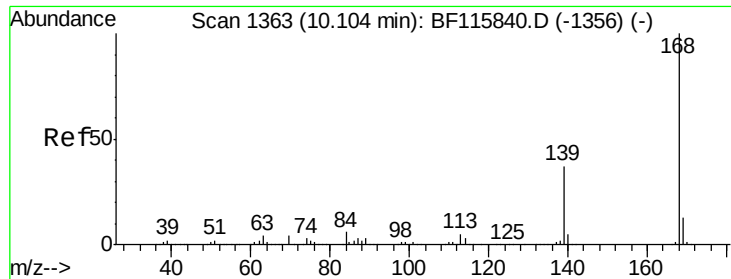


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

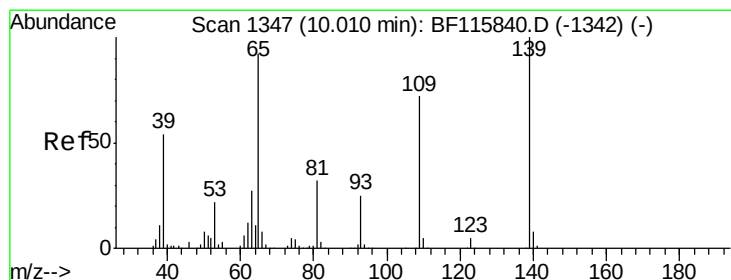
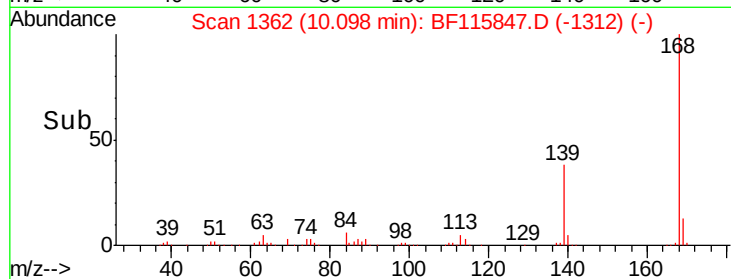
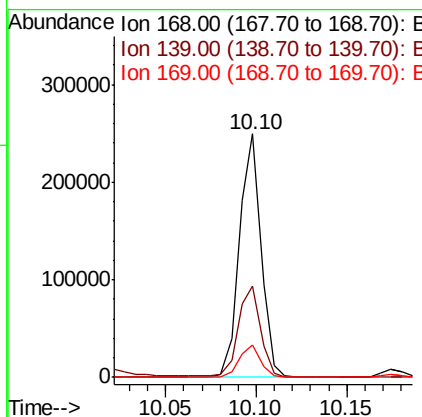
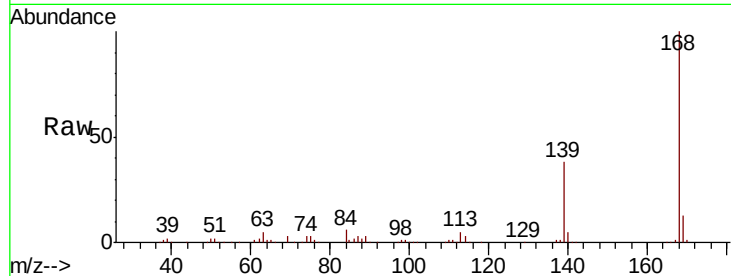




#55
Dibenzofuran
Concen: 9.047 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

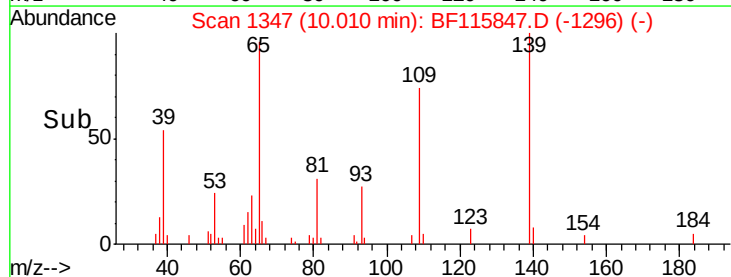
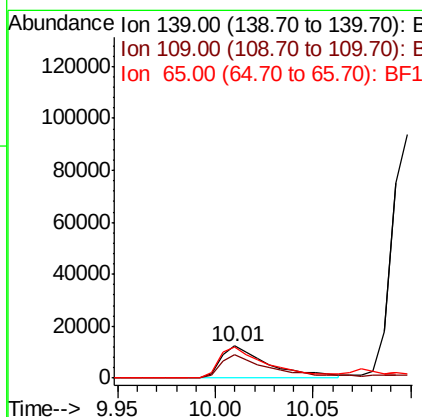
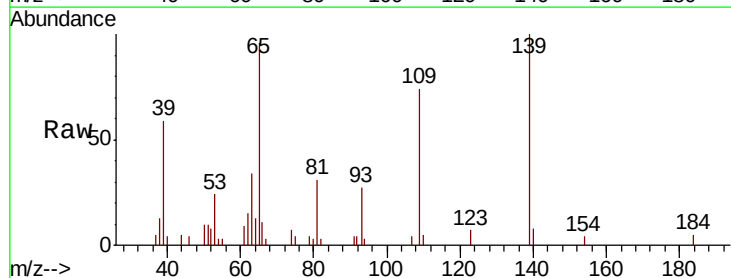
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

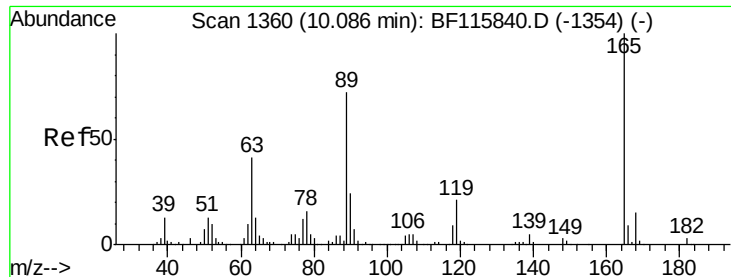
Tot Ion:168 Resp: 206282
Ion Ratio Lower Upper
168 100
139 37.6 30.2 45.2
169 13.1 10.8 16.2



#56
4-Nitrophenol
Concen: 6.042 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:139 Resp: 21099
Ion Ratio Lower Upper
139 100
109 73.8 52.0 92.0
65 95.7 72.6 112.6





#57

2,4-Dinitrotoluene

Concen: 7.626 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:165 Resp: 44792

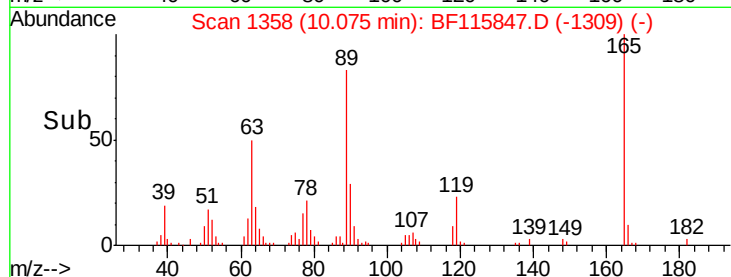
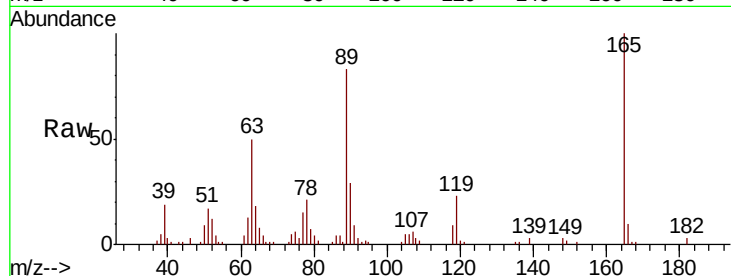
Ion Ratio Lower Upper

165 100

63 50.0 33.2 49.8#

89 82.5 57.3 85.9

182 2.7 2.1 3.1

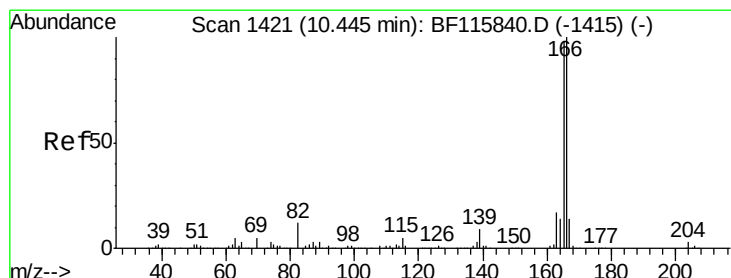
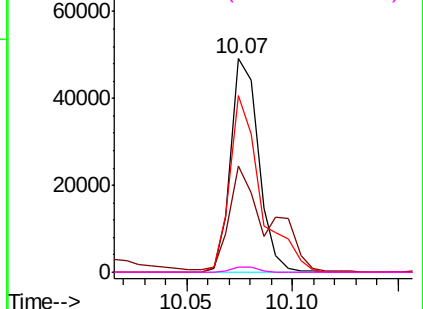


Abundance Ion 165.00 (164.70 to 165.70): E

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: 9.210 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

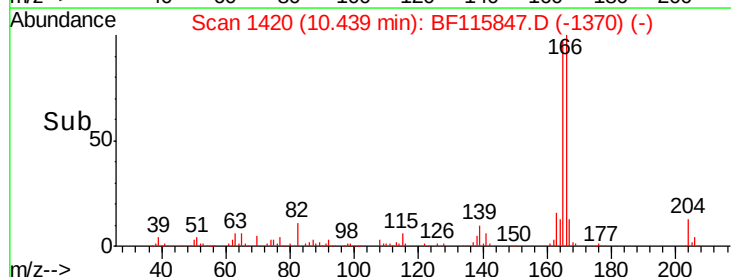
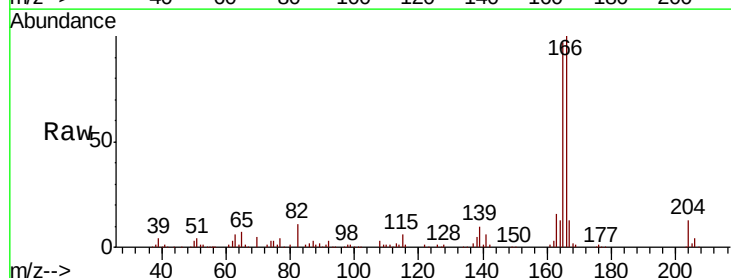
Tgt Ion:166 Resp: 161564

Ion Ratio Lower Upper

166 100

165 96.7 78.6 118.0

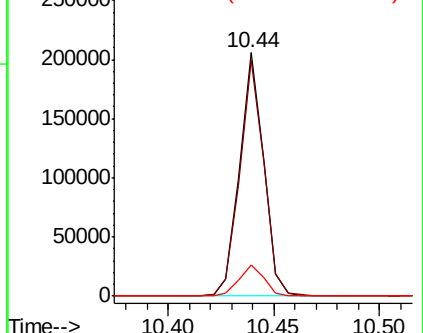
167 13.0 10.9 16.3

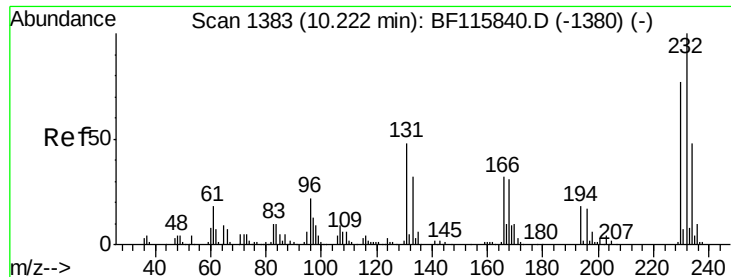


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

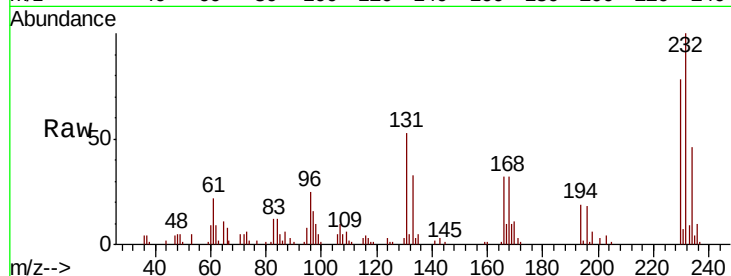




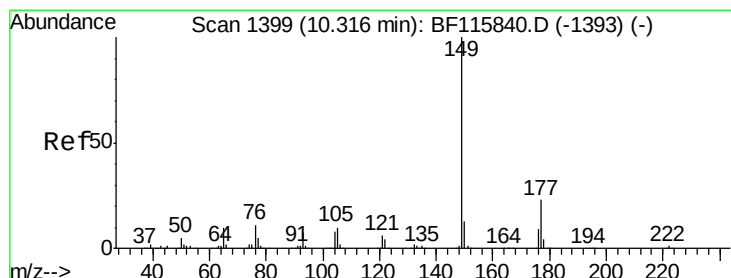
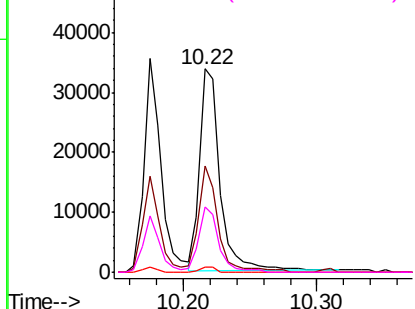
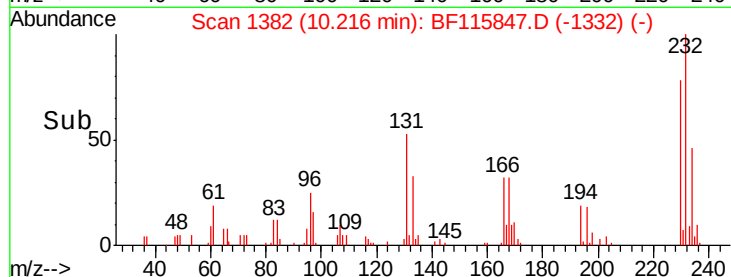
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.460 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:232 Resp: 35591
 Ion Ratio Lower Upper
 232 100
 131 50.5 37.6 56.4
 130 2.0 1.8 2.8
 166 31.7 24.6 37.0

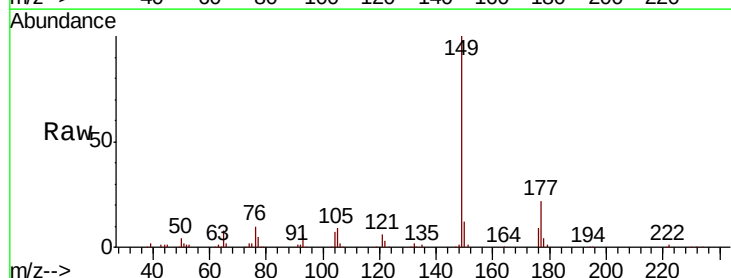


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

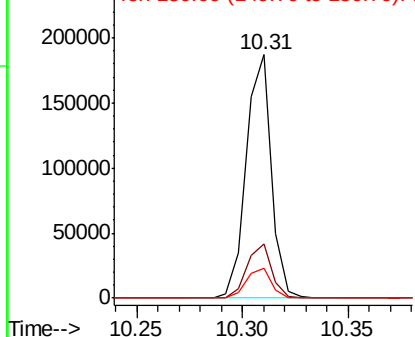
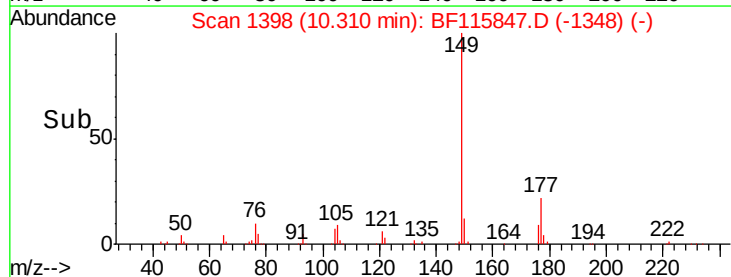


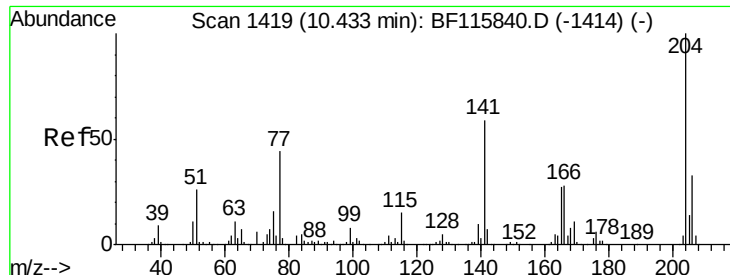
#60
 Diethylphthalate
 Concen: 8.138 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:149 Resp: 154227
 Ion Ratio Lower Upper
 149 100
 177 22.1 18.4 27.6
 150 12.1 10.1 15.1



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

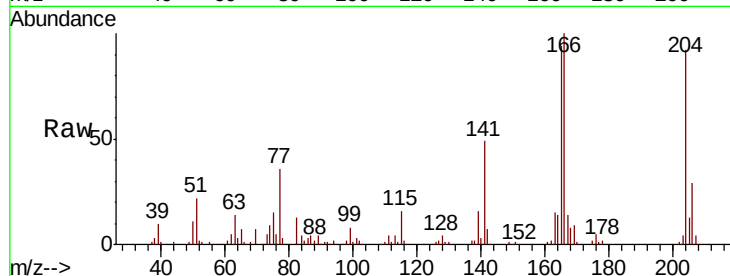




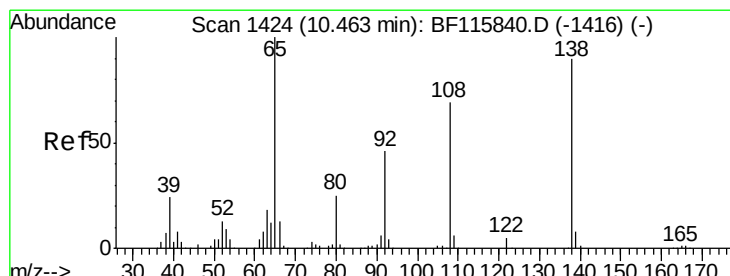
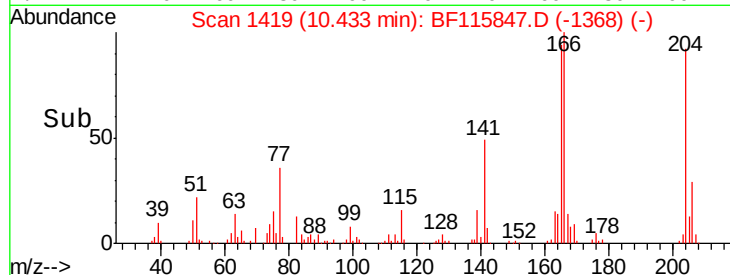
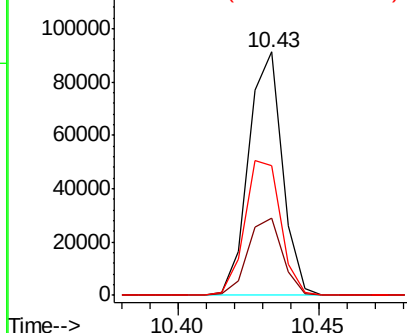
#61
4-Chlorophenyl-phenylether
Concen: 8.530 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:204 Resp: 75790
Ion Ratio Lower Upper
204 100
206 31.8 26.4 39.6
141 53.5 47.0 70.4

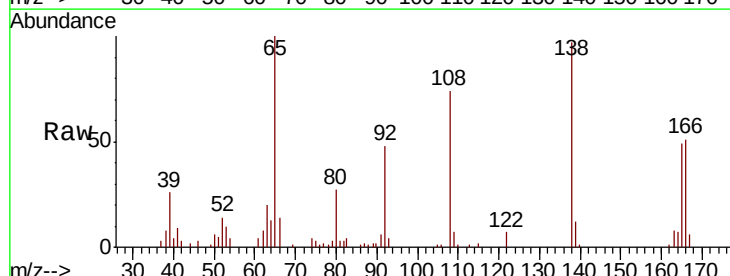


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

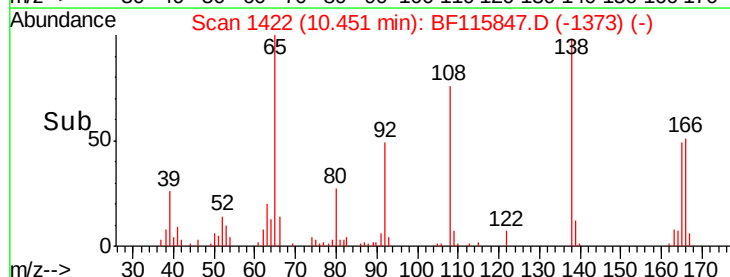
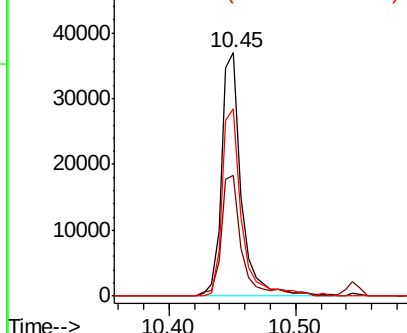


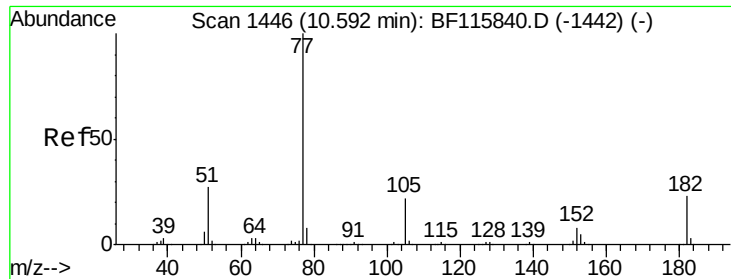
#62
4-Nitroaniline
Concen: 7.195 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:138 Resp: 40530
Ion Ratio Lower Upper
138 100
92 49.4 31.0 71.0
108 76.7 56.7 96.7



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: 8.578 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 77 Resp: 167214

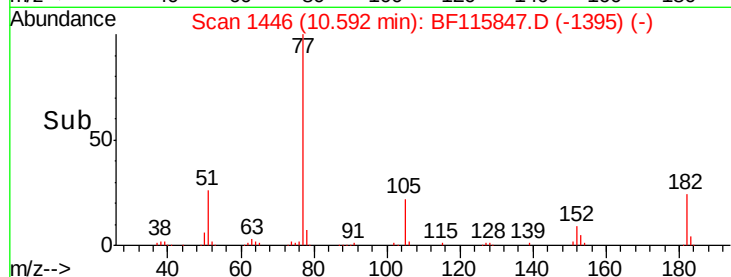
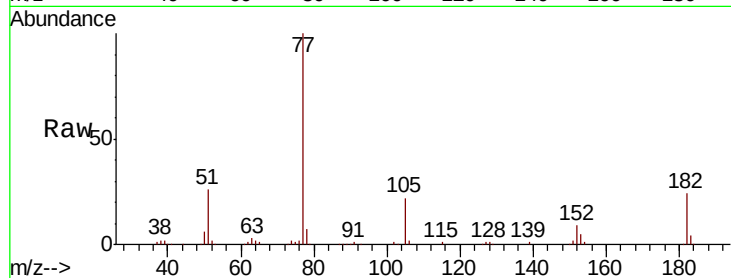
Ion Ratio Lower Upper

77 100

182 24.3 2.6 42.6

105 21.8 1.6 41.6

51 26.3 7.4 47.4

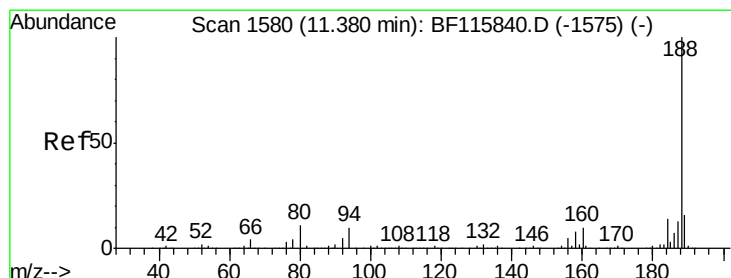
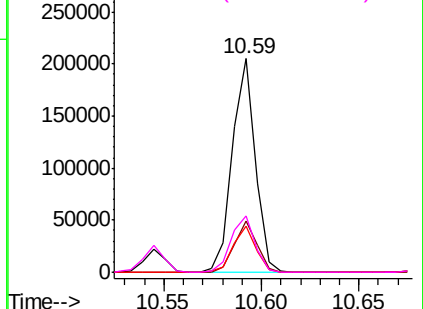


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.38 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

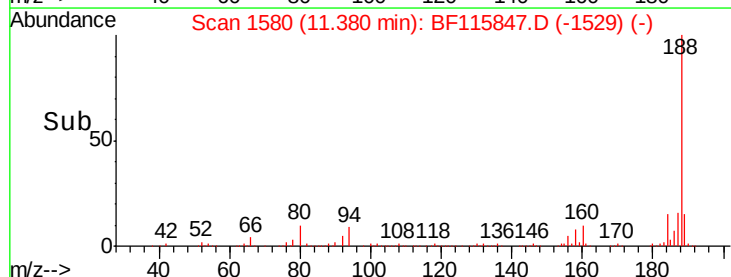
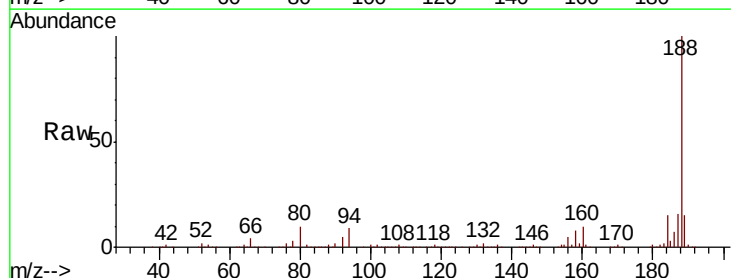
Tgt Ion: 188 Resp: 519247

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

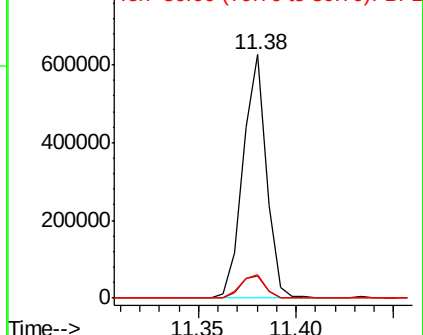
80 9.9 8.6 12.8

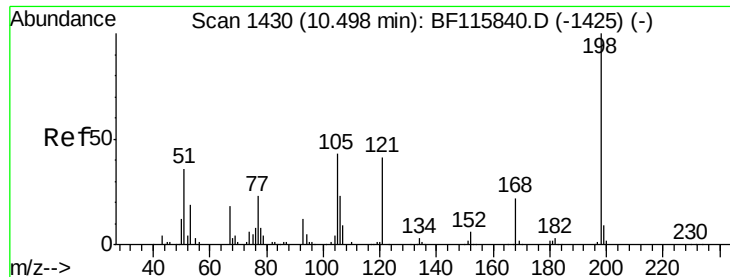


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

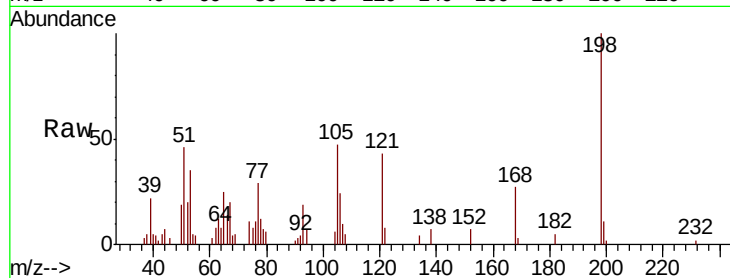




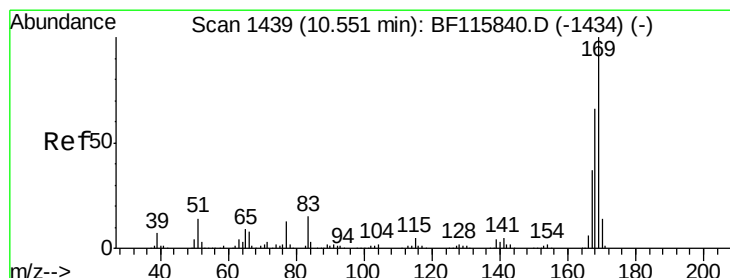
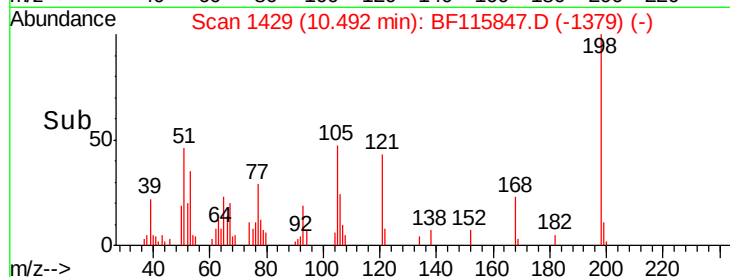
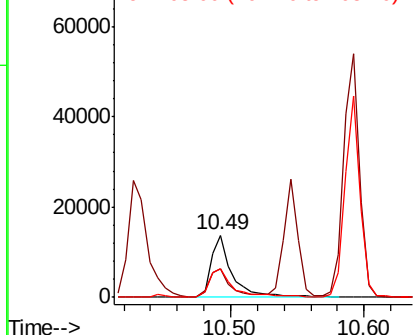
#65
4,6-Dinitro-2-methylphenol
Concen: 5.549 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:198 Resp: 15268
Ion Ratio Lower Upper
198 100
51 45.7 21.1 61.1
105 46.6 24.5 64.5

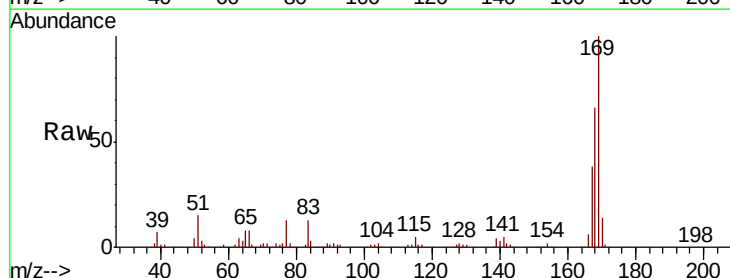


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

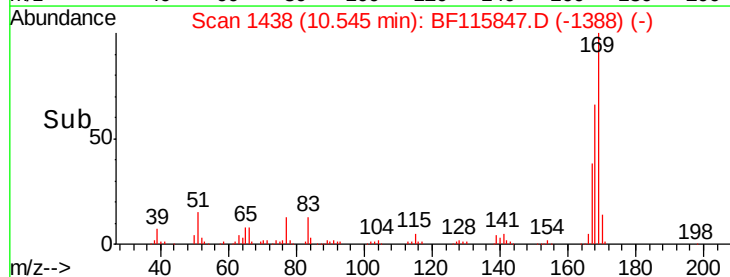
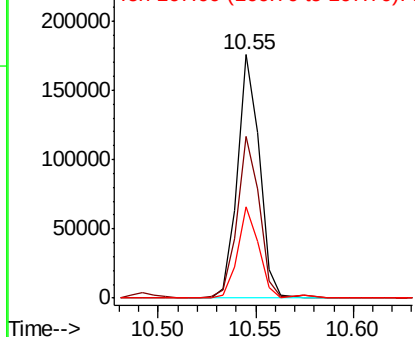


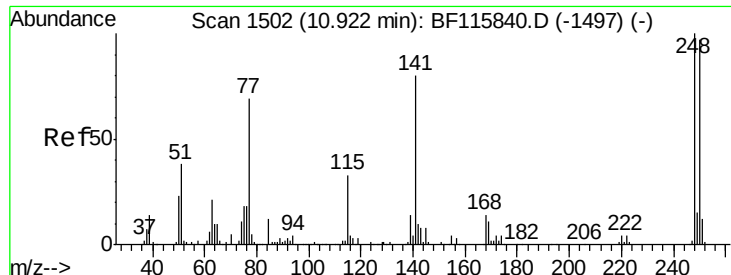
#66
n-Nitrosodiphenylamine
Concen: 8.812 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:169 Resp: 137721
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.6
167 37.5 29.9 44.9



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

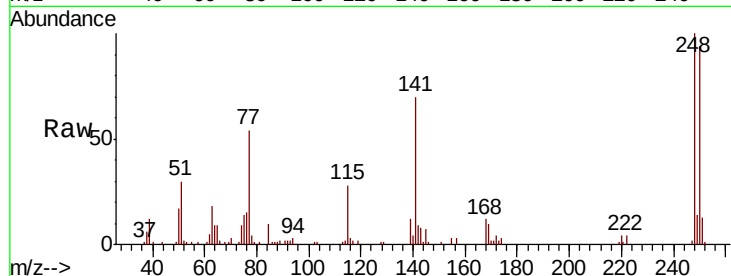




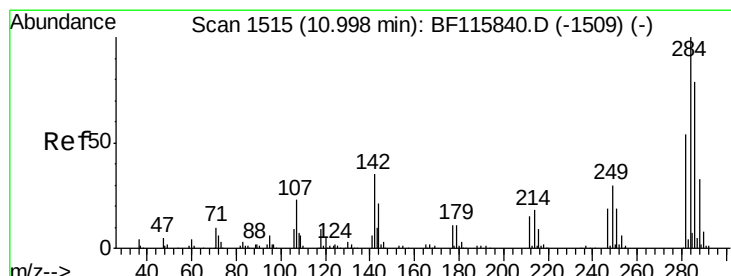
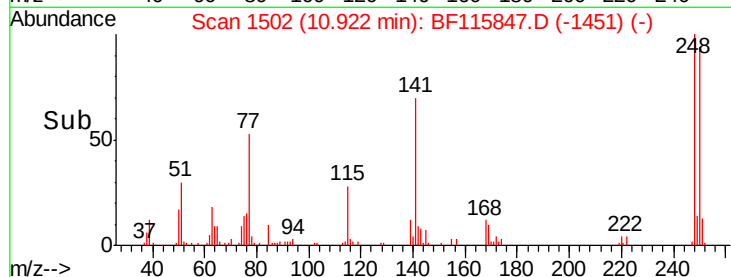
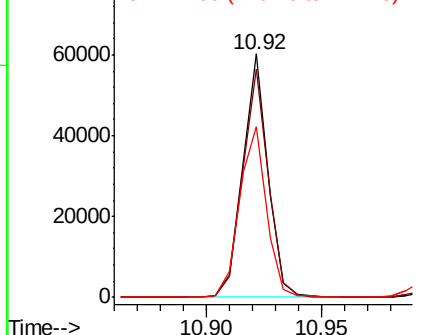
#67
4-Bromophenyl-phenylether
Concen: 8.277 ng
RT: 10.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:248 Resp: 46009
Ion Ratio Lower Upper
248 100
250 93.8 77.8 116.6
141 70.1 64.3 96.5

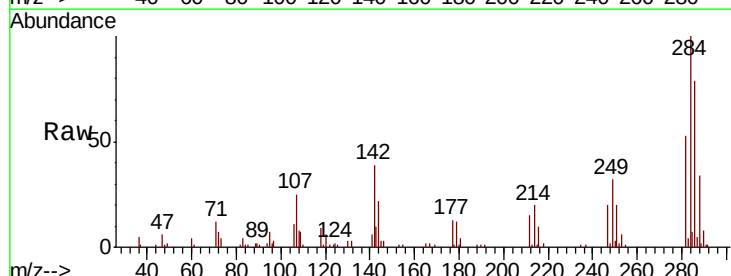


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

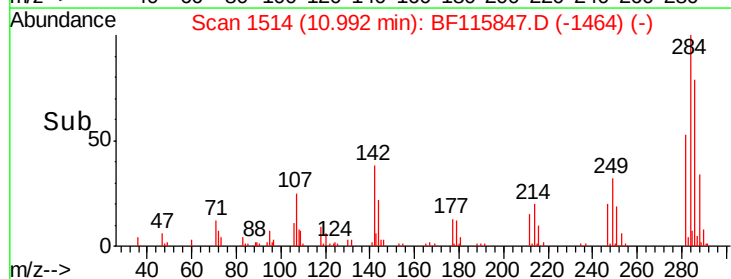
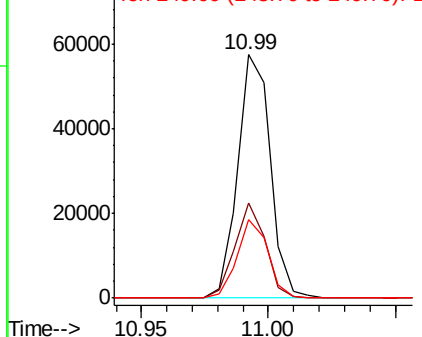


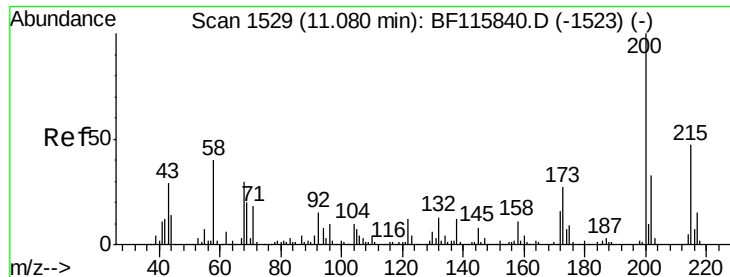
#68
Hexachlorobenzene
Concen: 7.956 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:284 Resp: 51136
Ion Ratio Lower Upper
284 100
142 39.1 28.2 42.2
249 32.1 24.0 36.0



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

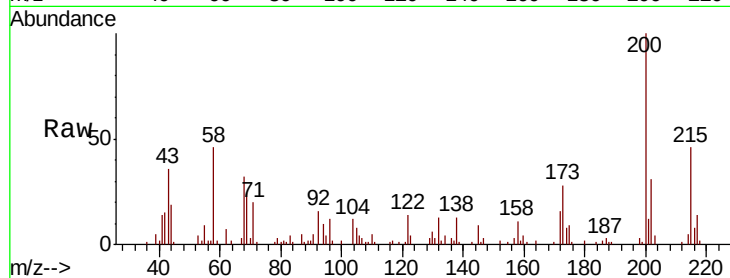




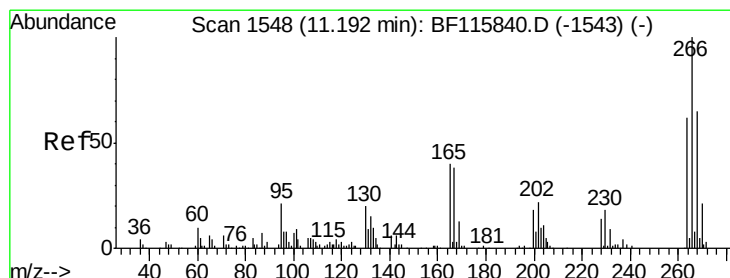
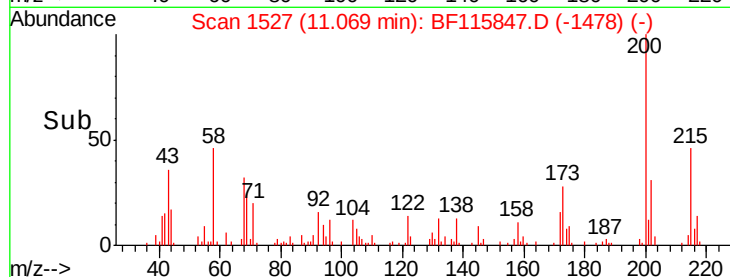
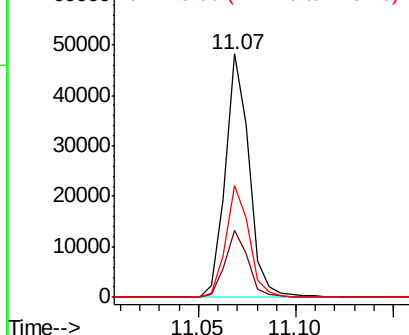
#69
Atrazine
Concen: 7.949 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:200 Resp: 40871
Ion Ratio Lower Upper
200 100
173 27.6 7.3 47.3
215 46.0 26.9 66.9

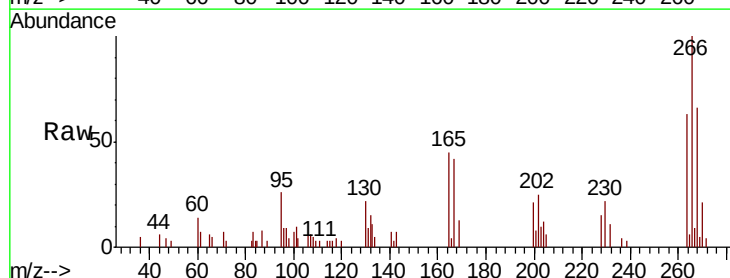


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

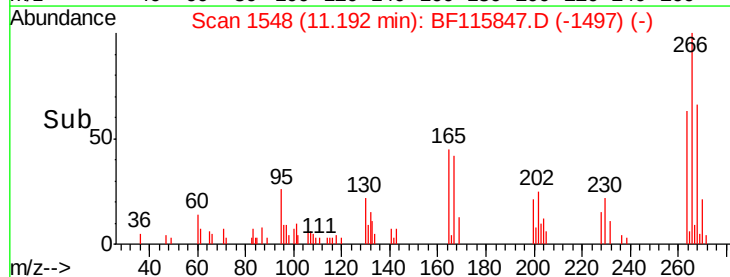
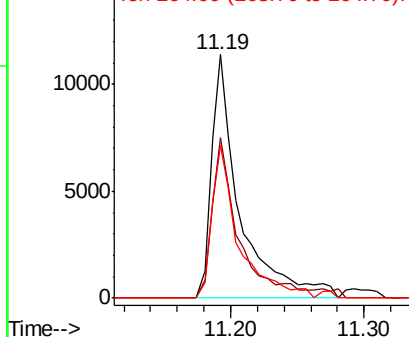


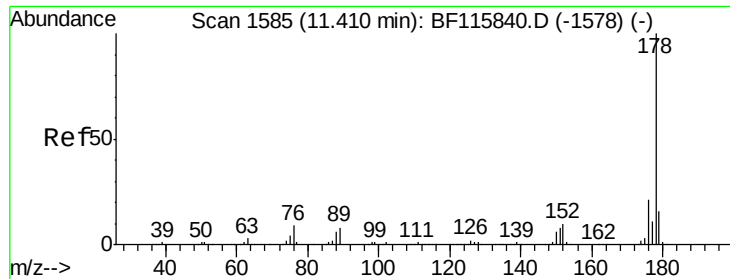
#70
Pentachlorophenol
Concen: 5.398 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:266 Resp: 16845
Ion Ratio Lower Upper
266 100
268 65.8 51.6 77.4
264 62.5 49.4 74.0



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

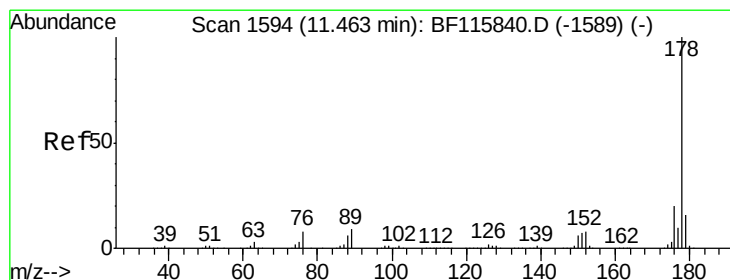
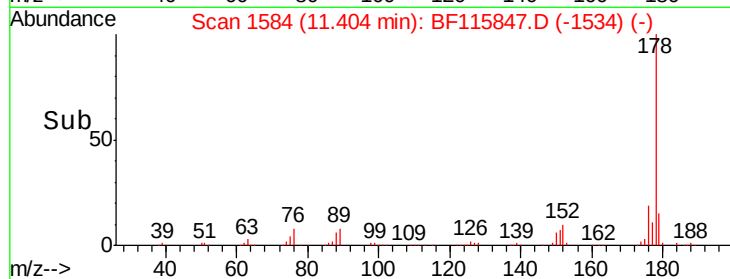
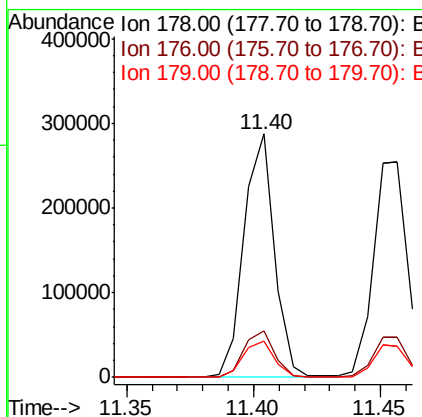
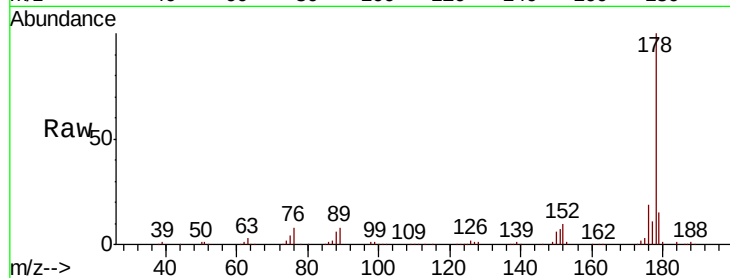




#71
Phenanthrene
Concen: 9.046 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

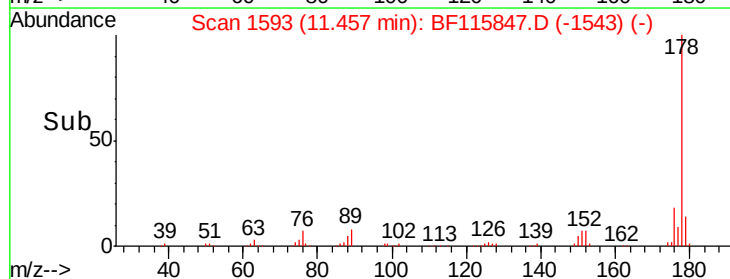
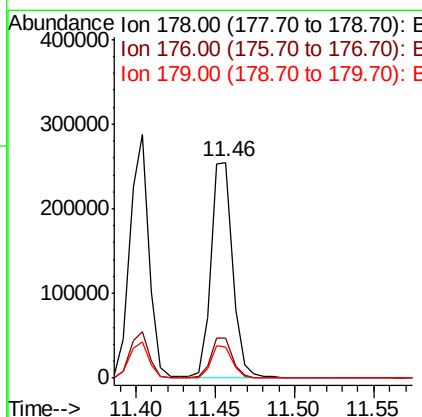
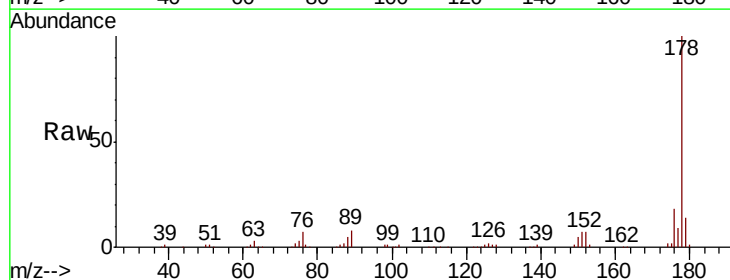
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

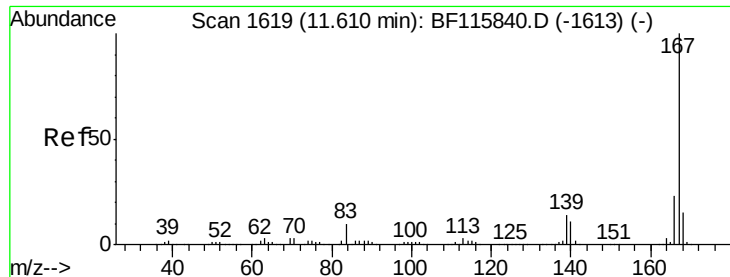
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.5	24.7
179	14.9	12.6	18.8



#72
Anthracene
Concen: 9.131 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	14.5	12.4	18.6

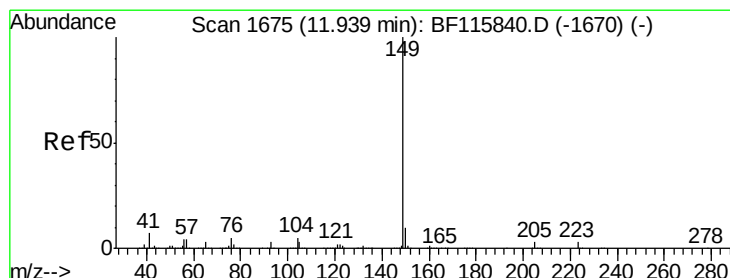
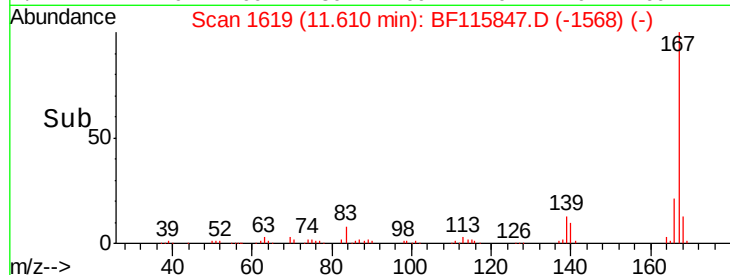
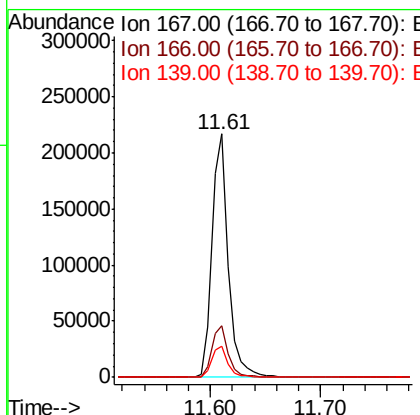
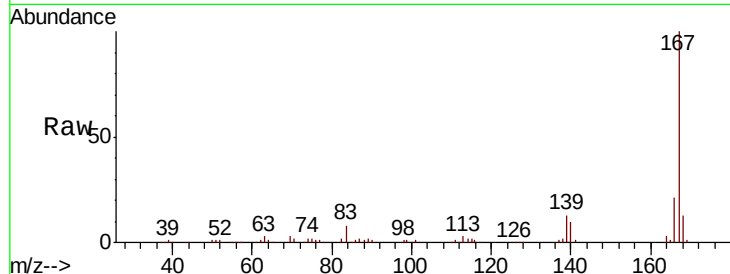




#73
 Carbazole
 Concen: 8.895 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

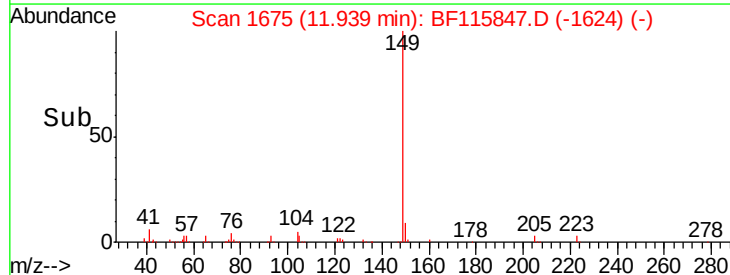
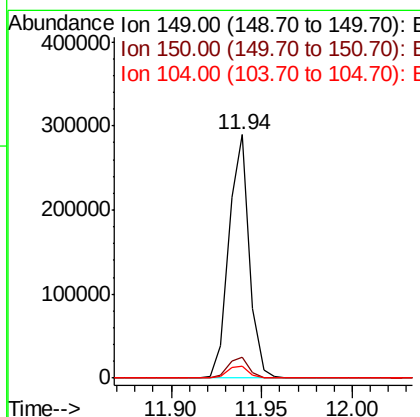
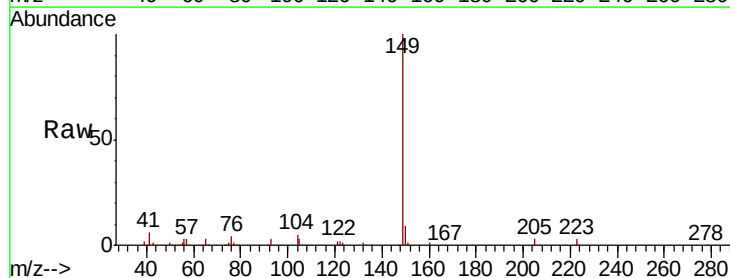
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

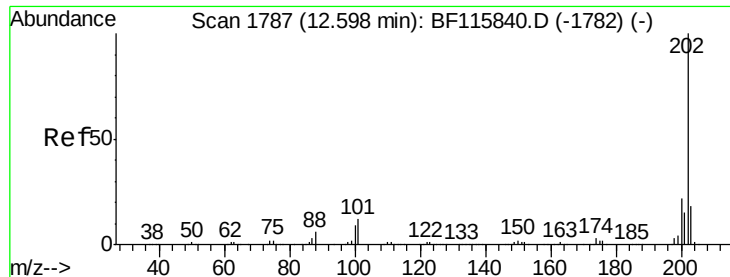
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.0	27.0
139	12.6	11.4	17.2



#74
 Di-n-butylphthalate
 Concen: 7.968 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.7	11.5
104	4.9	4.3	6.5





#75

Fluoranthene

Concen: 8.865 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

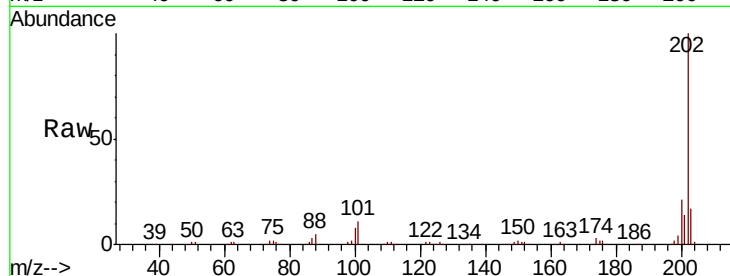
Tot Ion:202 Resp: 246362

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.5

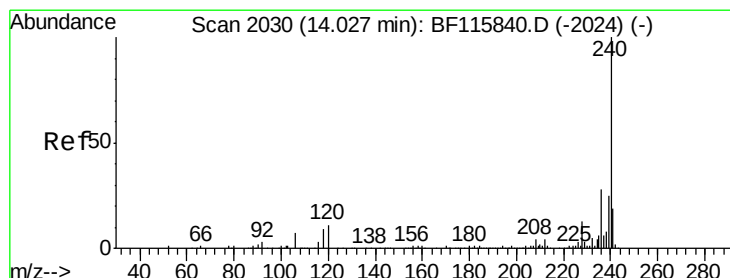
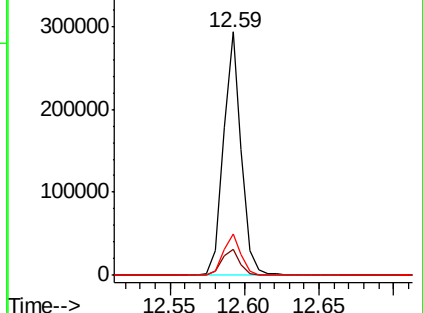
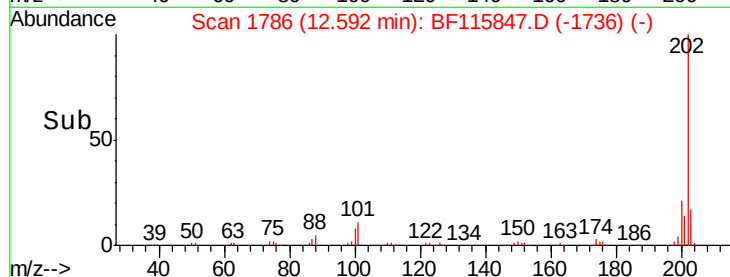
203 17.0 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

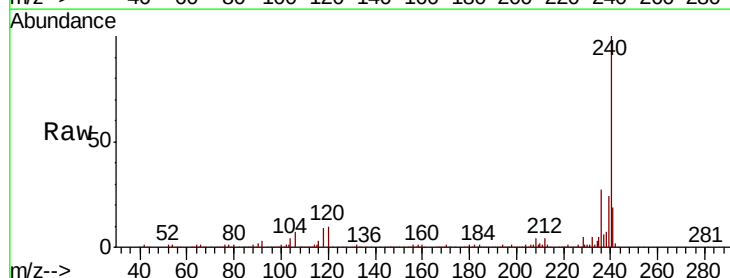
Tgt Ion:240 Resp: 409818

Ion Ratio Lower Upper

240 100

120 10.3 8.5 12.7

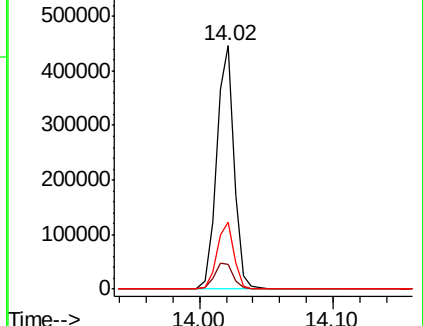
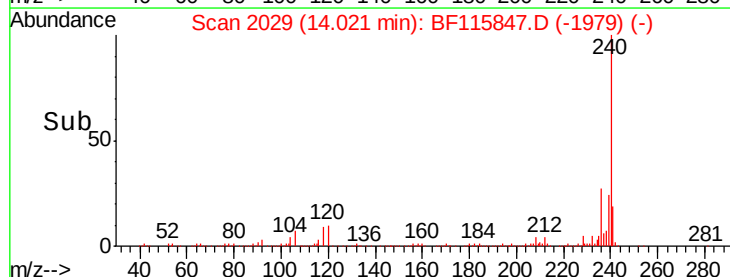
236 27.4 22.2 33.2

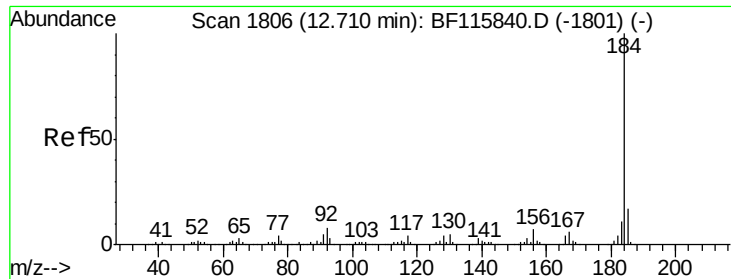


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.875 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

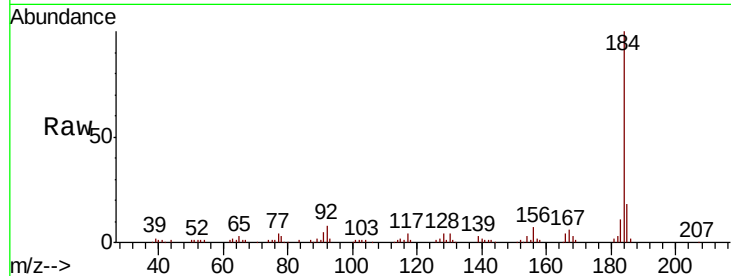
Tot Ion:184 Resp: 95182

Ion Ratio Lower Upper

184 100

185 17.9 13.4 20.2

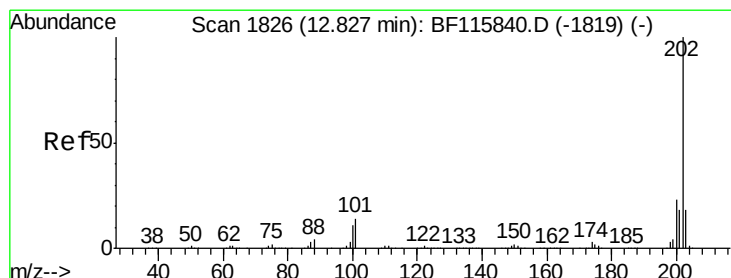
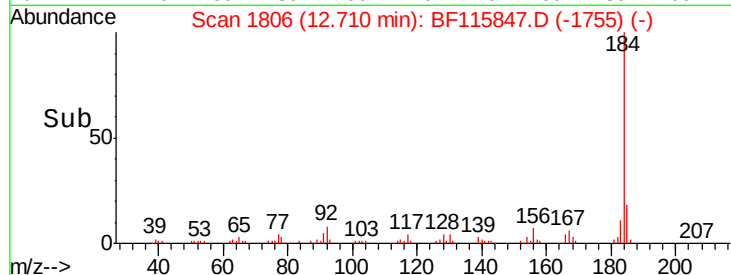
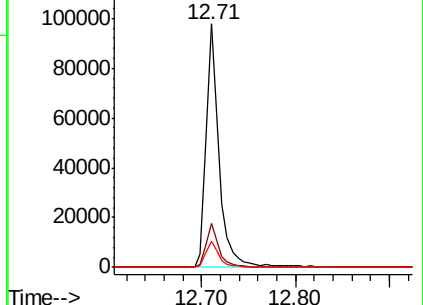
183 10.8 9.1 13.7



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: 8.310 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

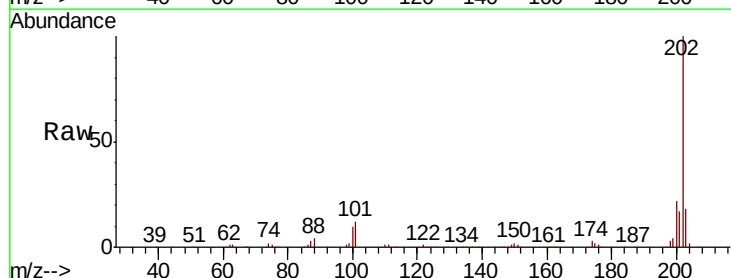
Tgt Ion:202 Resp: 256711

Ion Ratio Lower Upper

202 100

200 21.8 18.2 27.2

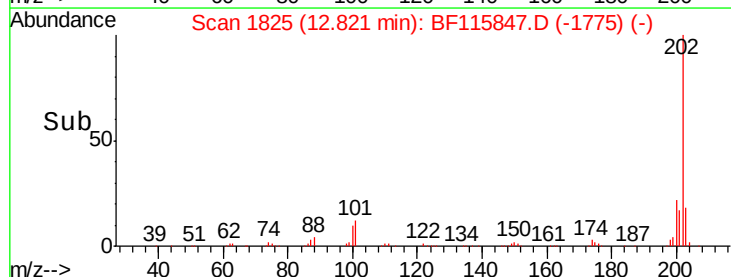
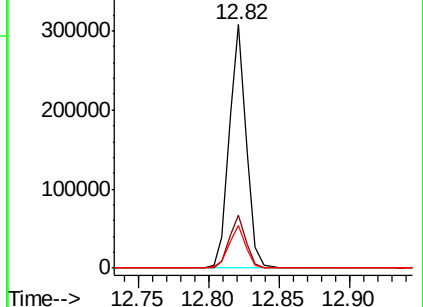
203 17.6 14.3 21.5

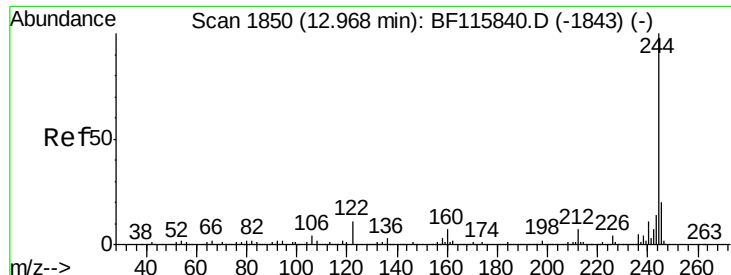


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.048 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

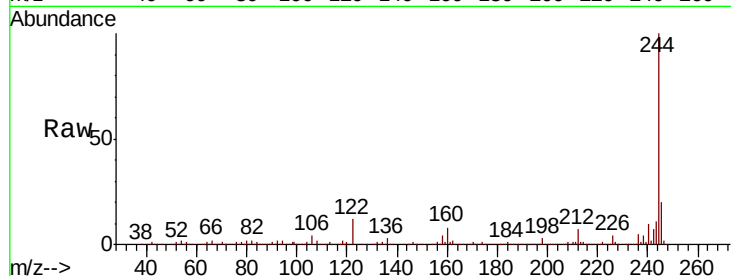
Tot Ion:244 Resp: 1440139

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

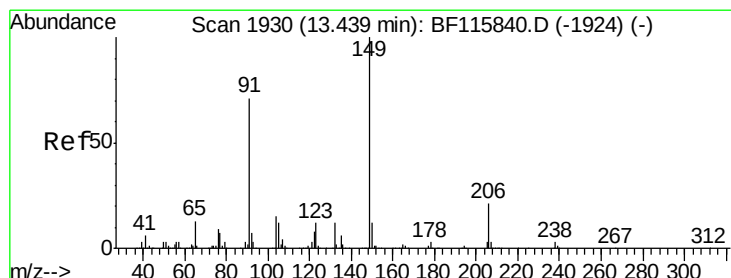
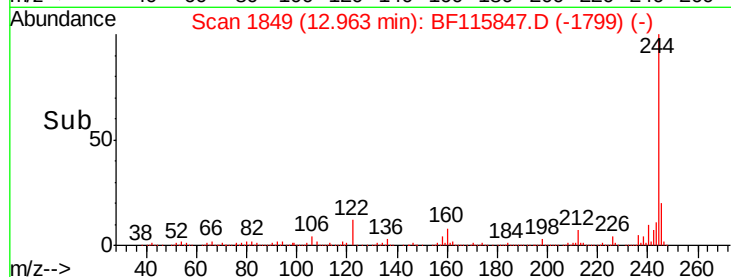
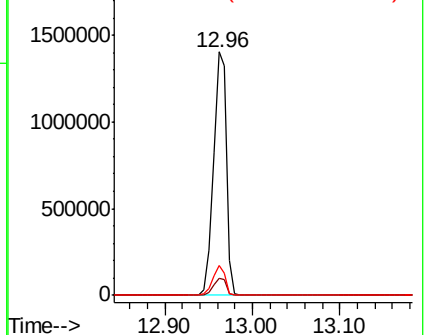
122 12.4 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.718 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

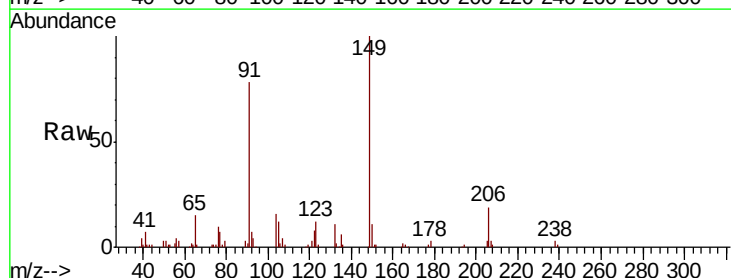
Tgt Ion:149 Resp: 87792

Ion Ratio Lower Upper

149 100

91 77.7 57.0 85.6

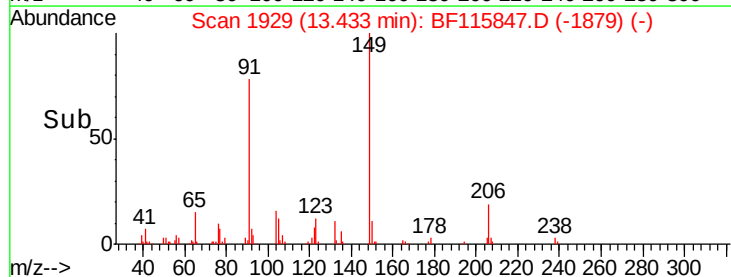
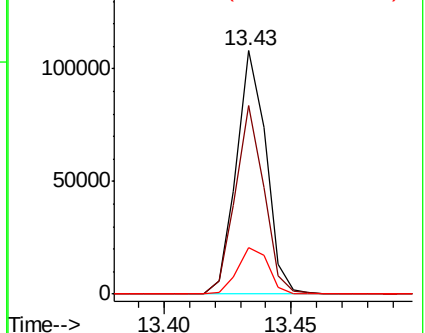
206 19.2 16.9 25.3

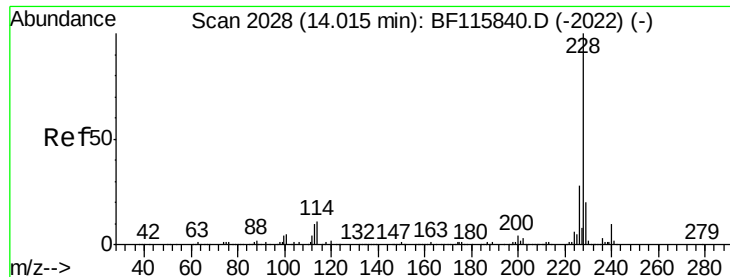


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

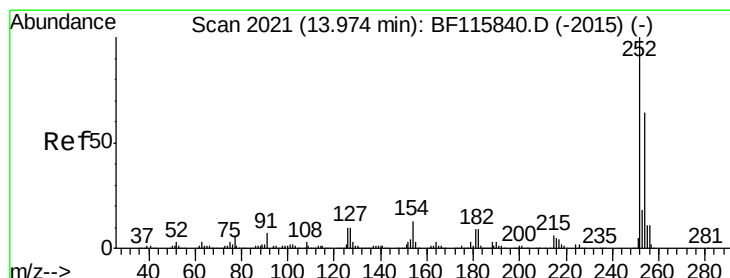
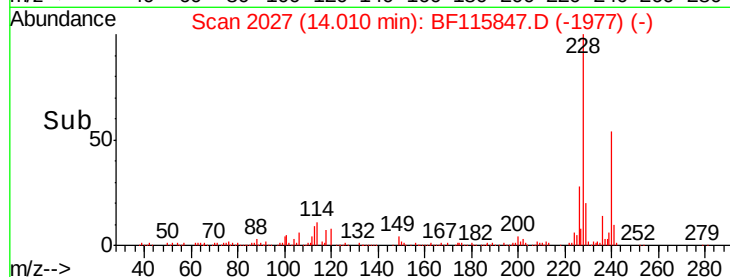
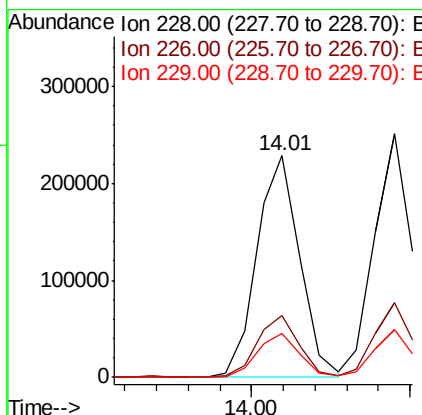
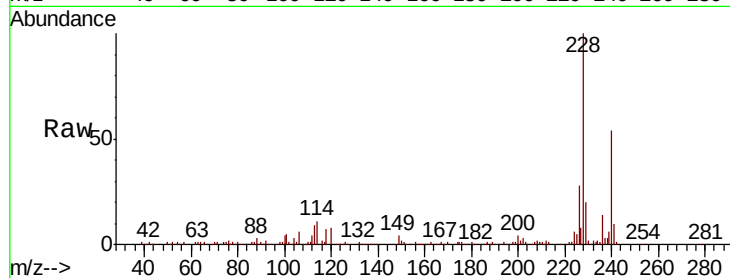




#81
Benzo(a)anthracene
Concen: 8.150 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

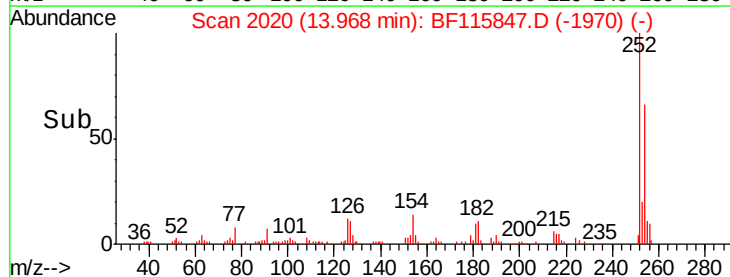
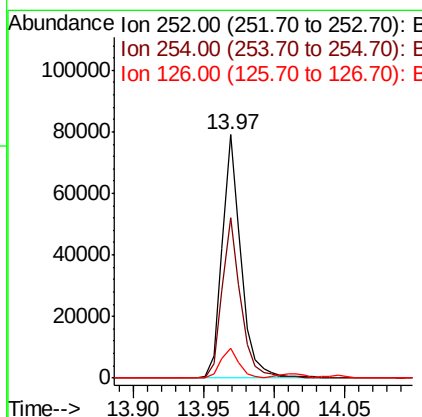
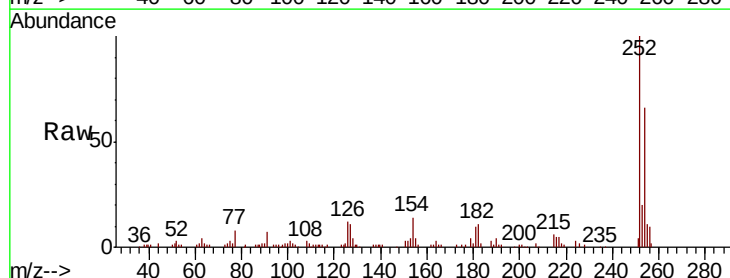
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

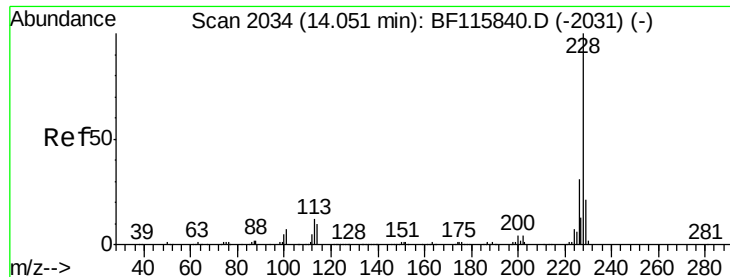
Tot Ion:228 Resp: 213472
Ion Ratio Lower Upper
228 100
226 28.0 22.5 33.7
229 19.7 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 8.040 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:252 Resp: 73168
Ion Ratio Lower Upper
252 100
254 65.7 51.2 76.8
126 12.2 8.1 12.1#

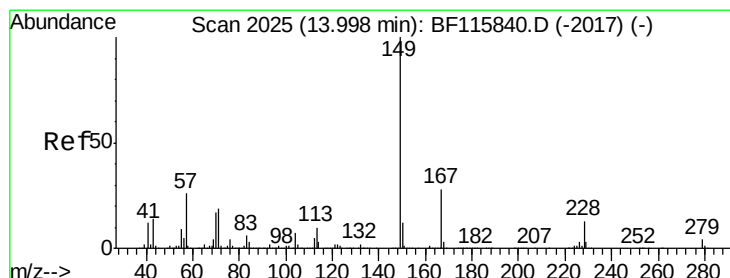
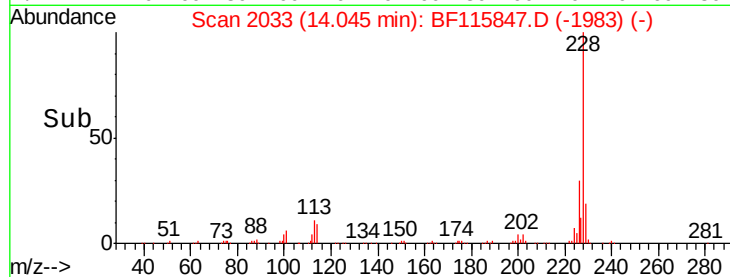
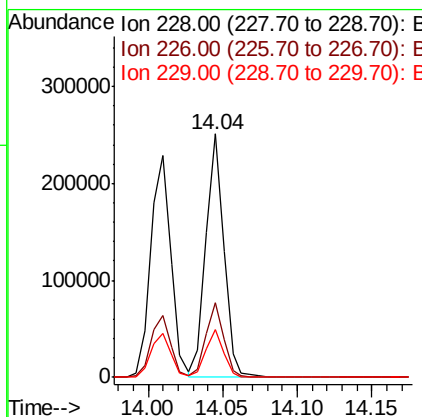
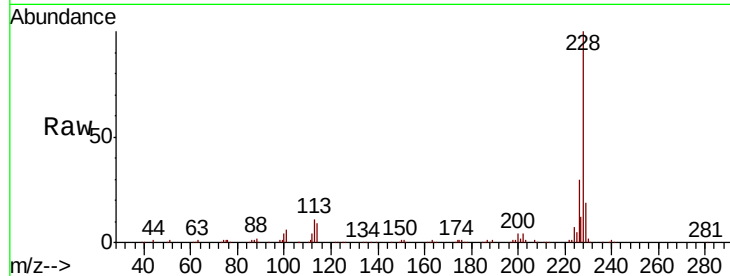




#83
 Chrysene
 Concen: 8.263 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

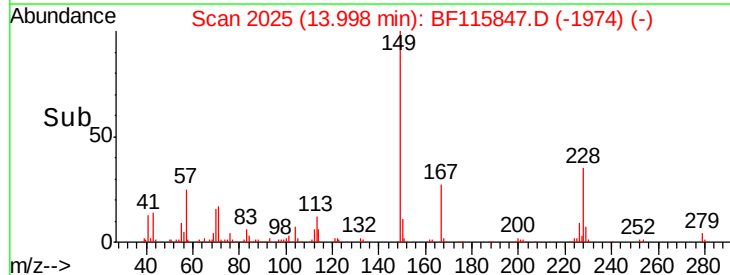
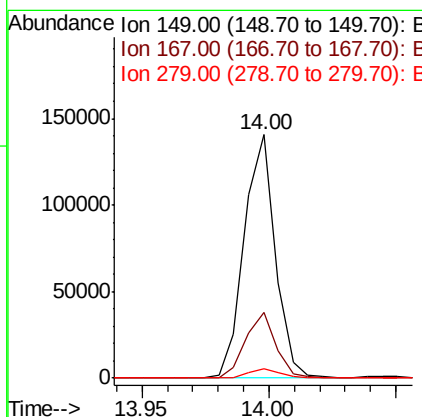
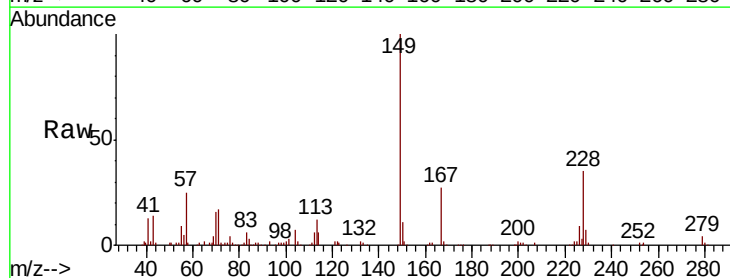
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

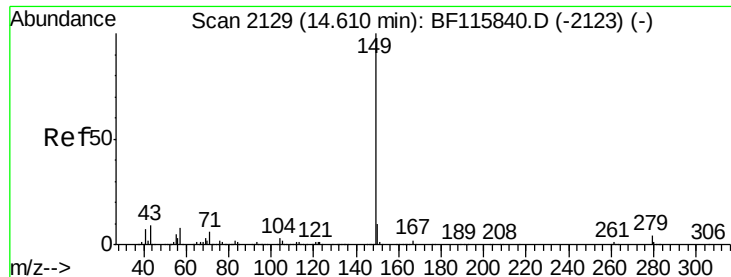
Tot Ion:228 Resp: 210126
 Ion Ratio Lower Upper
 228 100
 226 30.5 24.8 37.2
 229 19.5 16.4 24.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.102 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:149 Resp: 120594
 Ion Ratio Lower Upper
 149 100
 167 27.2 22.4 33.6
 279 3.7 3.3 4.9

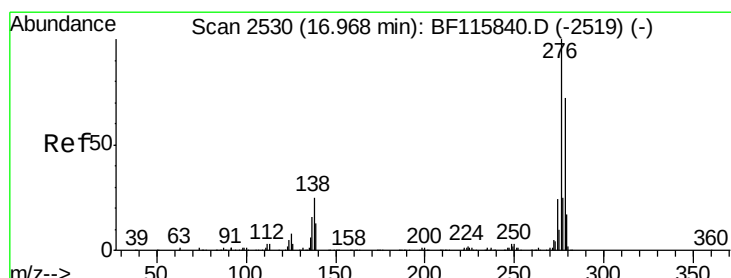
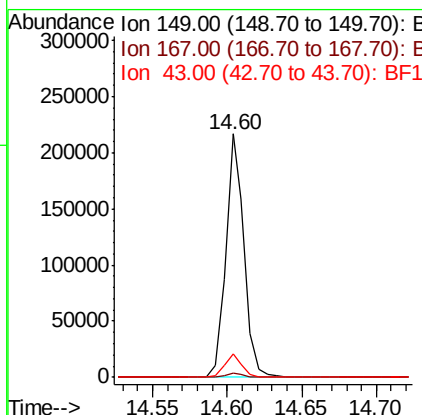
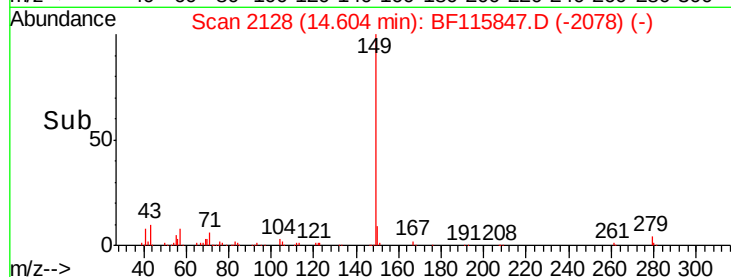
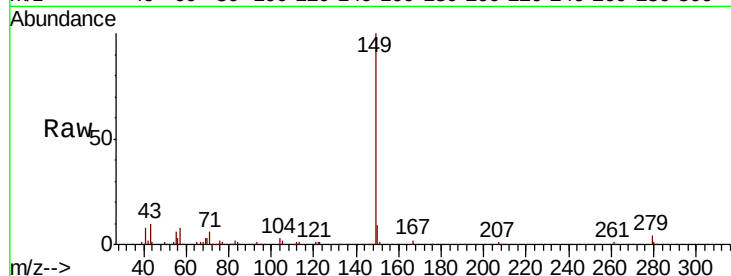




#85
Di-n-octyl phthalate
Concen: 6.887 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

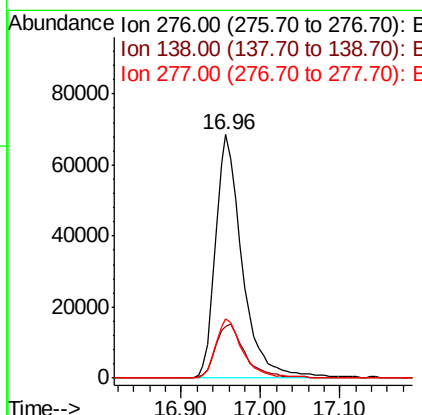
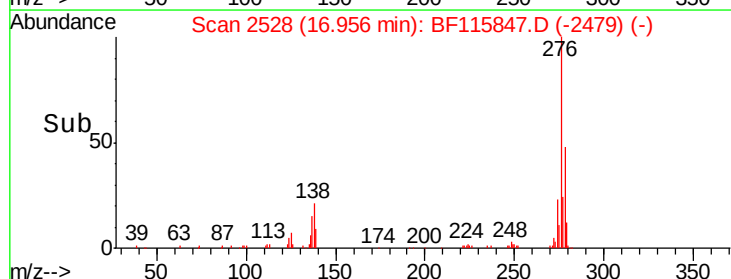
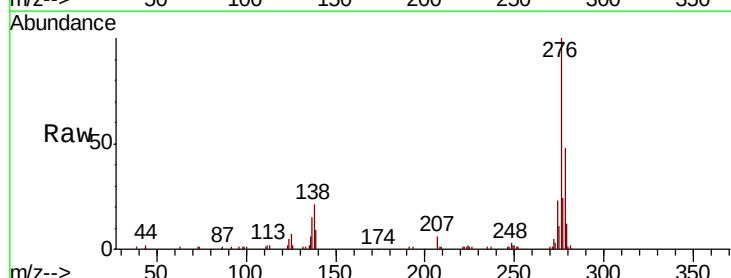
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

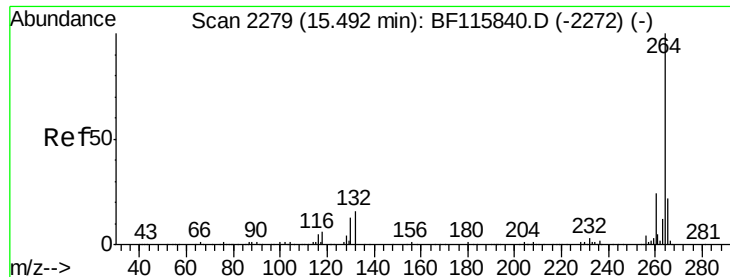
Tot Ion:149 Resp: 185770
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 9.5 7.4 11.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.488 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:276 Resp: 159940
Ion Ratio Lower Upper
276 100
138 24.1 19.6 29.4
277 24.5 20.1 30.1

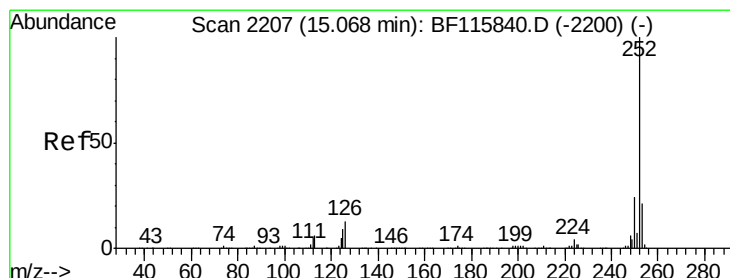
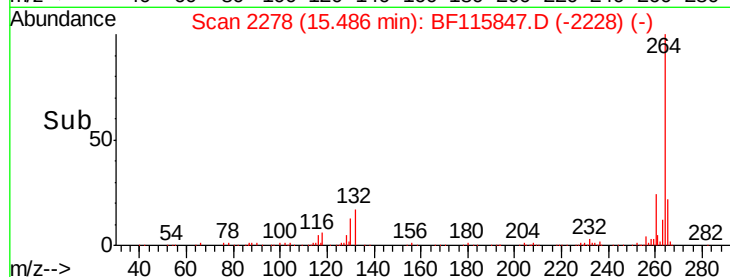
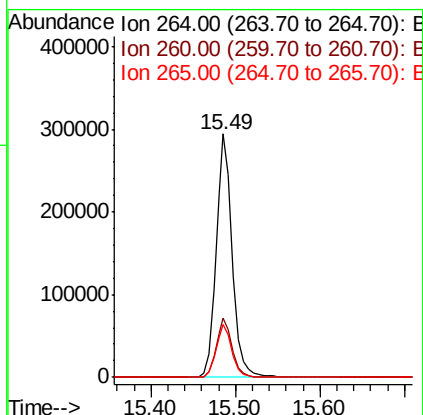
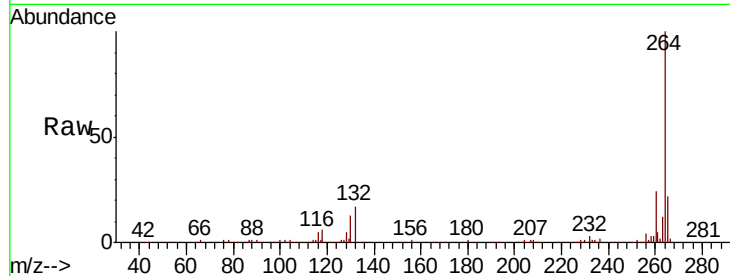




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

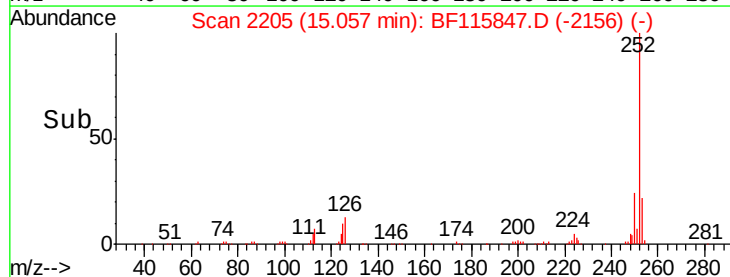
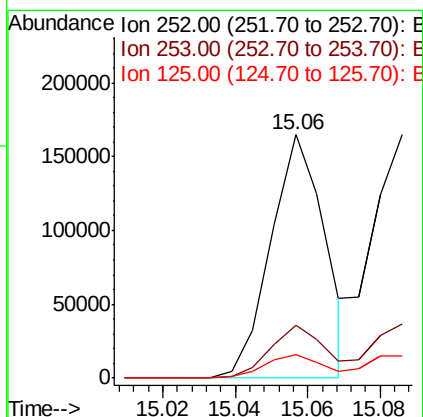
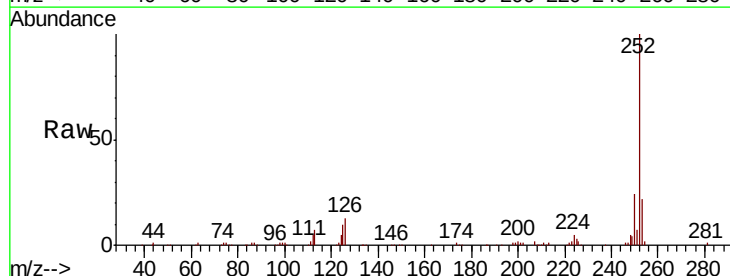
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

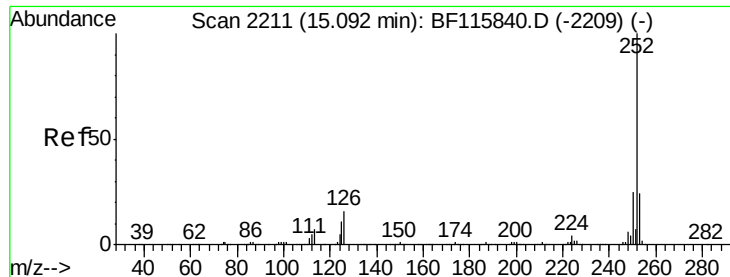
Tot Ion:264 Resp: 394844
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 21.9 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 7.514 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:252 Resp: 171547
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 9.8 7.4 11.0

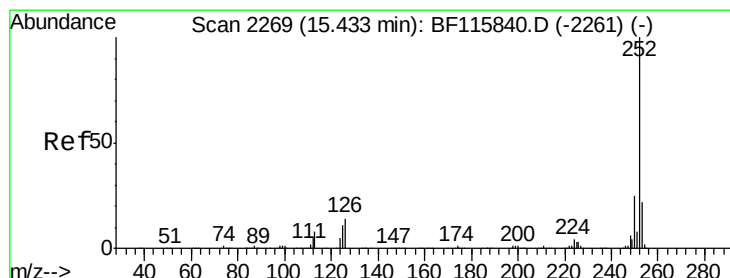
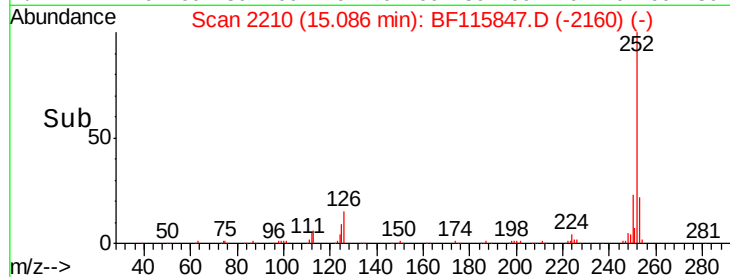
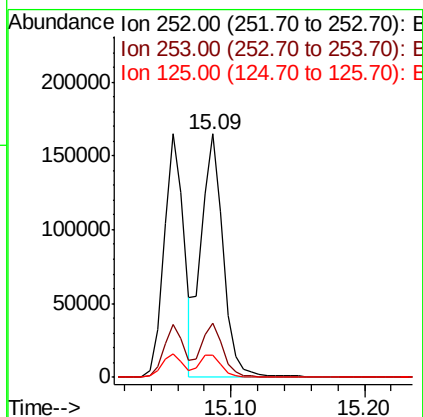
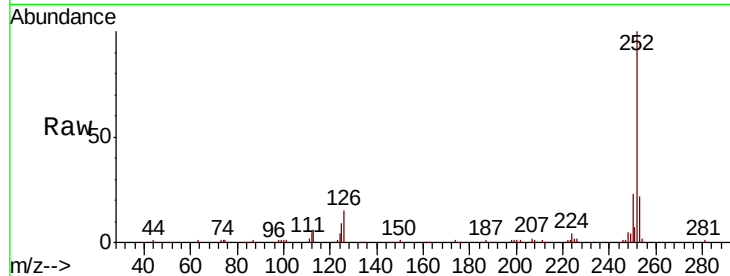




#89
Benzo(k)fluoranthene
Concen: 8.448 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

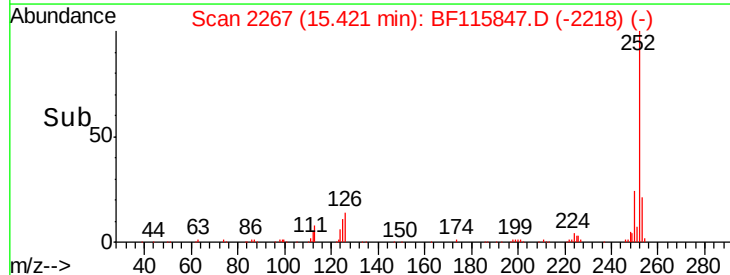
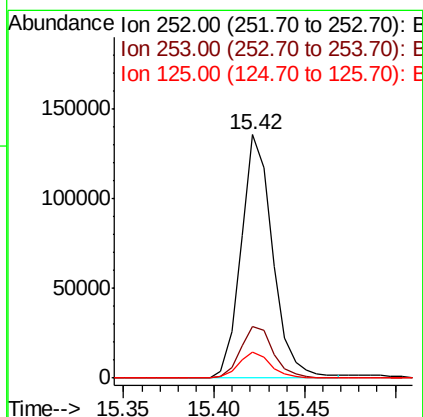
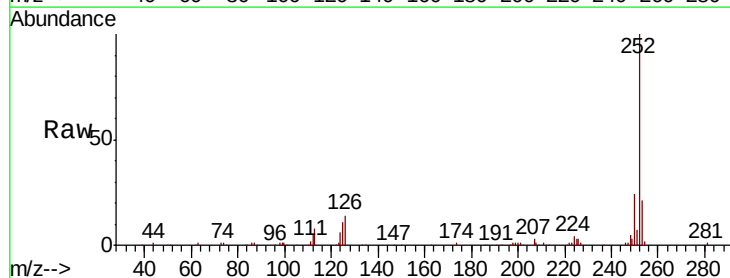
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

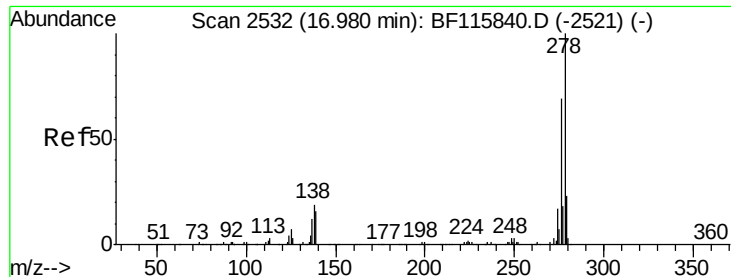
Tot Ion:252 Resp: 187868
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.4
125 9.3 8.9 13.3



#90
Benzo(a)pyrene
Concen: 8.045 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:252 Resp: 164178
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.6
125 10.6 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 7.457 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

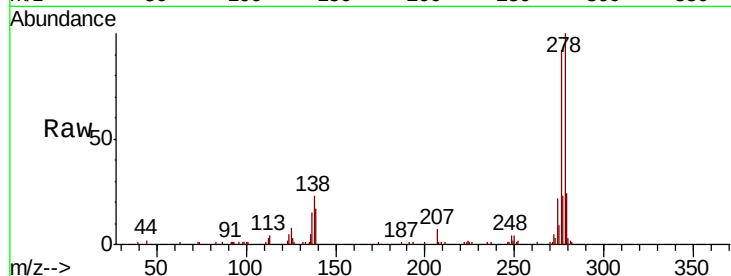
Tot Ion:278 Resp: 131731

Ion Ratio Lower Upper

278 100

139 16.8 12.6 19.0

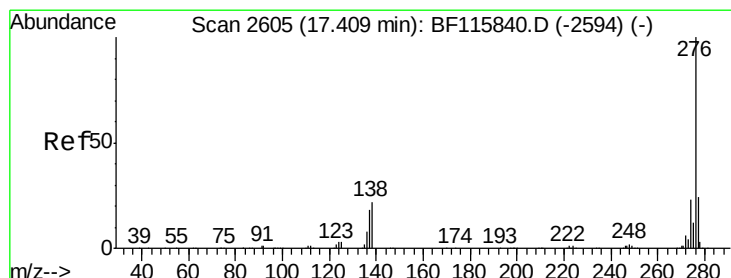
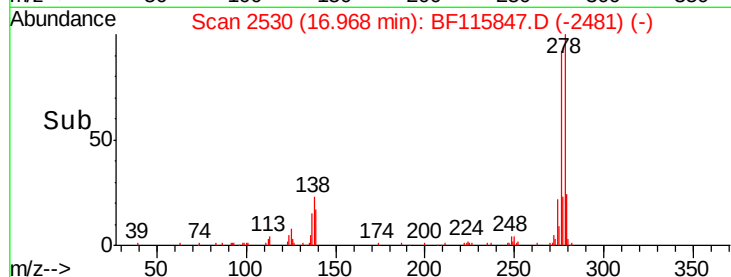
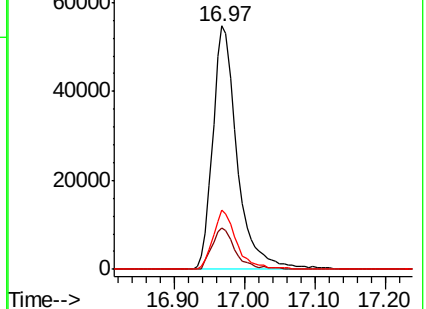
279 24.5 18.8 28.2



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: 7.325 ng

RT: 17.40 min Scan# 2604

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

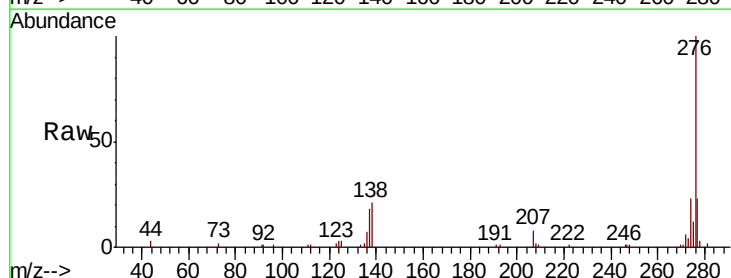
Tgt Ion:276 Resp: 127082

Ion Ratio Lower Upper

276 100

277 23.0 19.5 29.3

138 21.4 17.8 26.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

