

Data File : BF118523.D
Acq On : 10 Jan 2020 19:11
Operator : JU
Sample : L1064-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-A

Quant Time: Jan 11 02:55:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 16:06:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	83265	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	281659	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	181511	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	300945	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	211946	20.00	ng	-0.01
87) Perylene-d12	15.52	264	205009	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	597766	118.51	ng	0.01
7) Phenol-d6	6.47	99	527486	87.47	ng	0.00
23) Nitrobenzene-d5	7.40	82	508060	94.76	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	273794	127.83	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	928522	73.37	ng	-0.01
79) Terphenyl-d14	12.96	244	1027767	76.84	ng	0.00

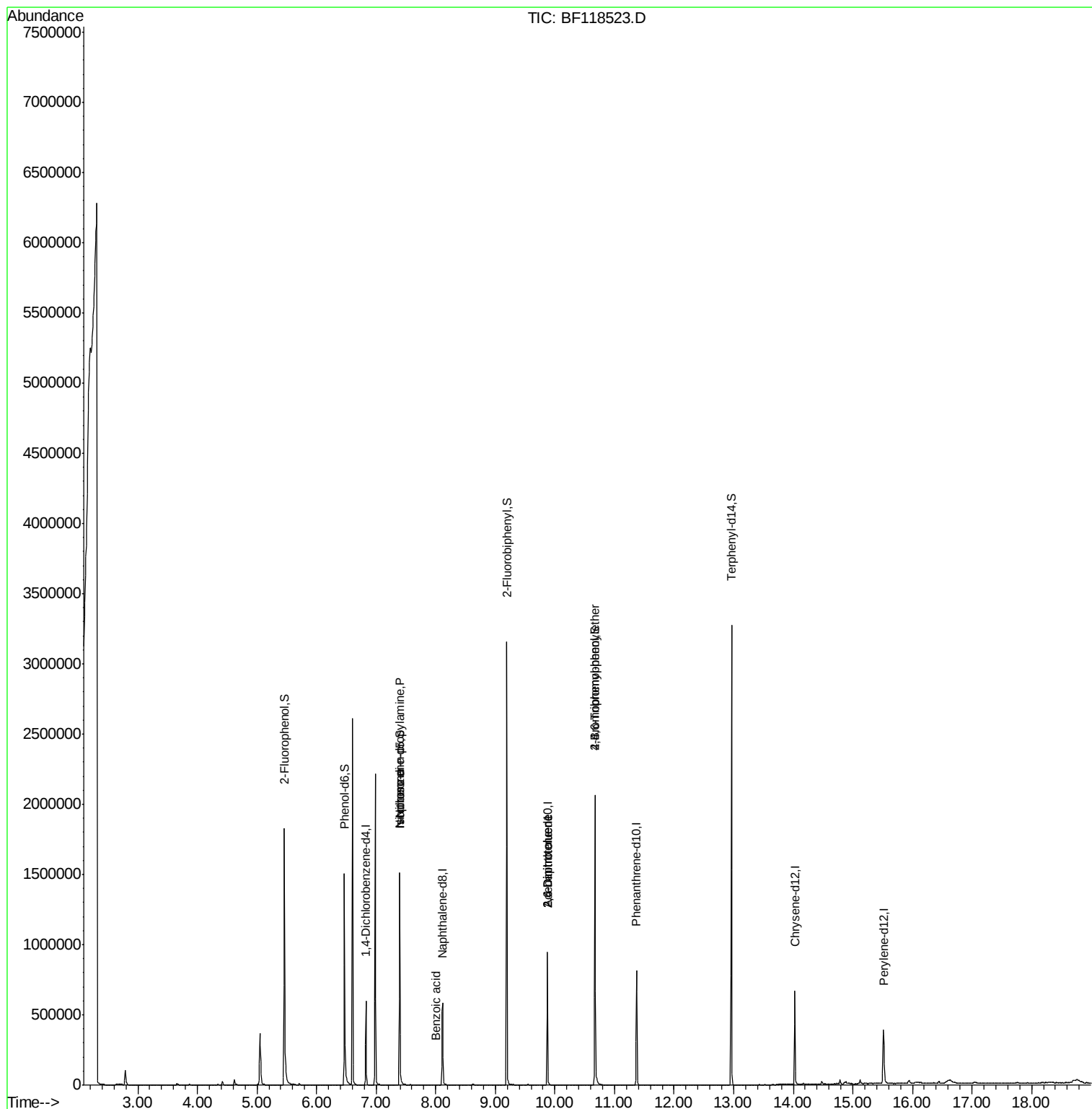
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	71596	18.433	ng	# 73
25) Isophorone	7.40	82	508057	59.148	ng	# 63
32) Benzoic acid	8.00	122	666	6.718	ng	# 75
51) 2,6-Dinitrotoluene	9.87	165	23326	7.775	ng	# 23
57) 2,4-Dinitrotoluene	9.87	165	23326	5.807	ng	# 20
67) 4-Bromophenyl-phenylether	10.67	248	16266	4.615	ng	# 1
77) Benzidine	12.96	184	15536	Below Cal		# 94

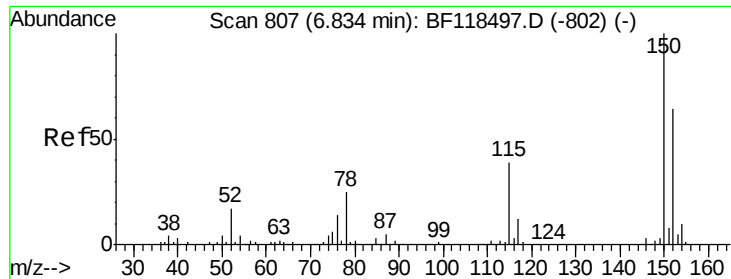
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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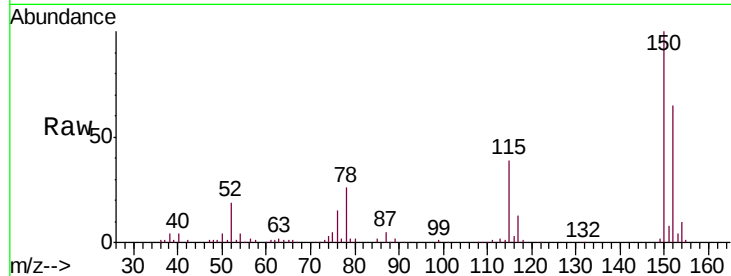


#1

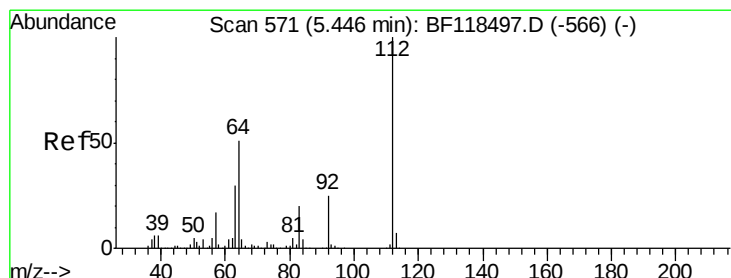
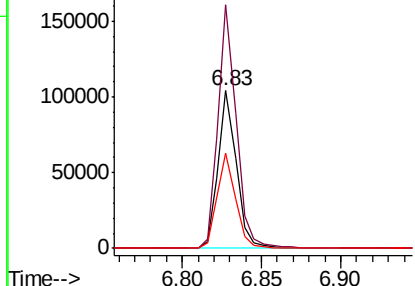
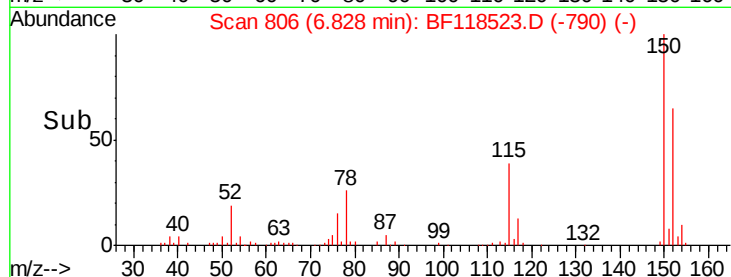
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-A

Tgt Ion:152 Resp: 83265
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.7 187.1
 115 60.3 49.0 73.6



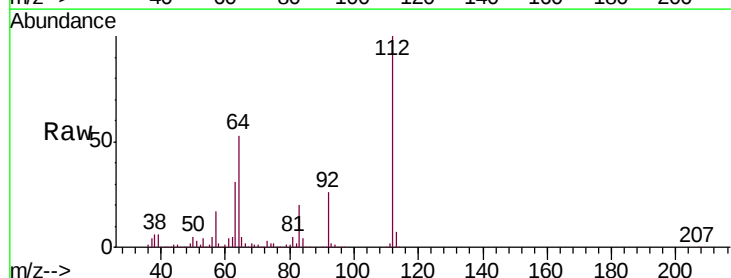
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



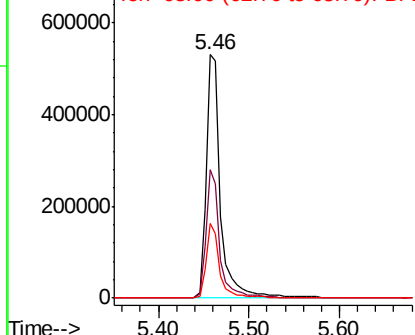
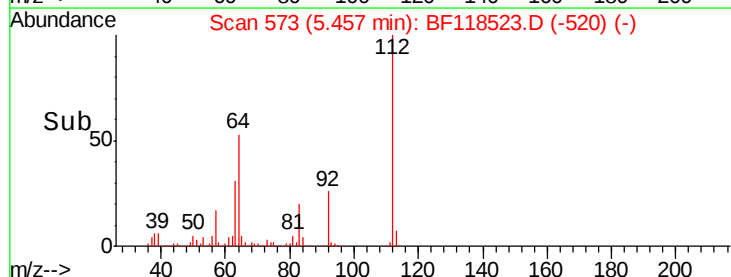
#5

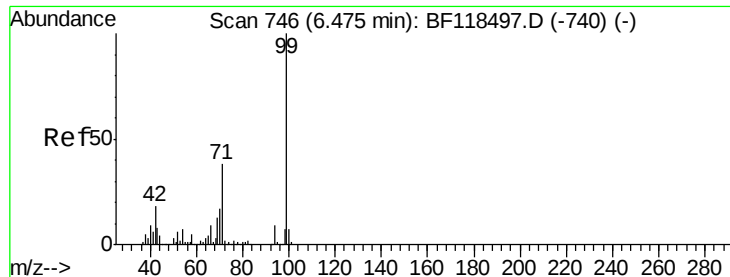
2-Fluorophenol
 Concen: 118.509 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

Tgt Ion:112 Resp: 597766
 Ion Ratio Lower Upper
 112 100
 64 53.0 41.1 61.7
 63 30.7 24.1 36.1



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





#7

Phenol-d6

Concen: 87.470 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

Instrument :

BNA_F

ClientSampleId :

SOIL-A

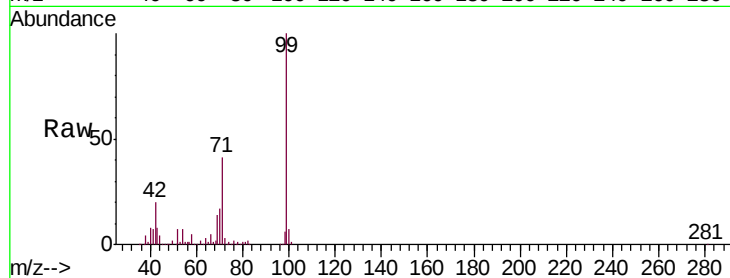
Tgt Ion: 99 Resp: 527486

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

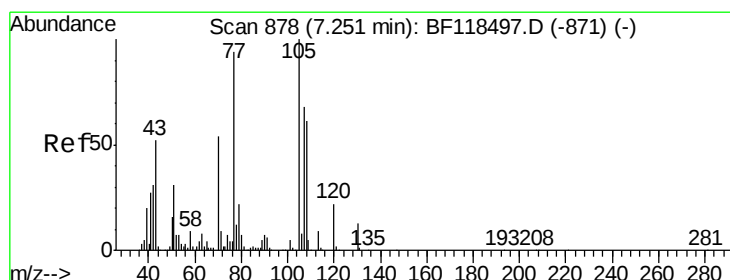
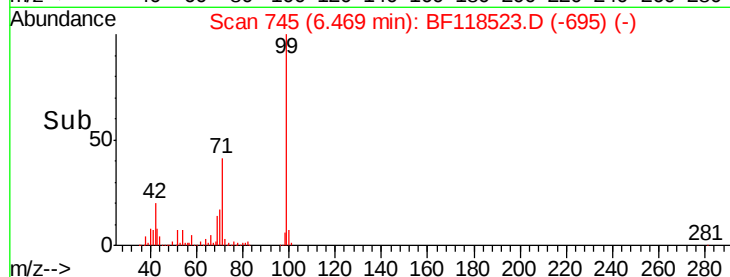
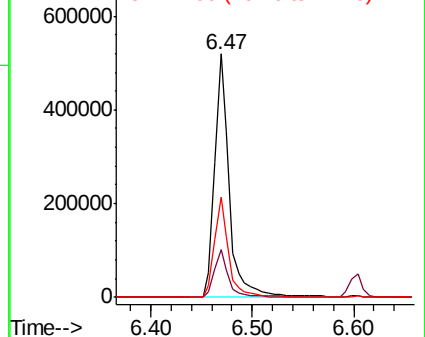
71 41.0 30.6 45.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.433 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

Tgt Ion: 70 Resp: 71596

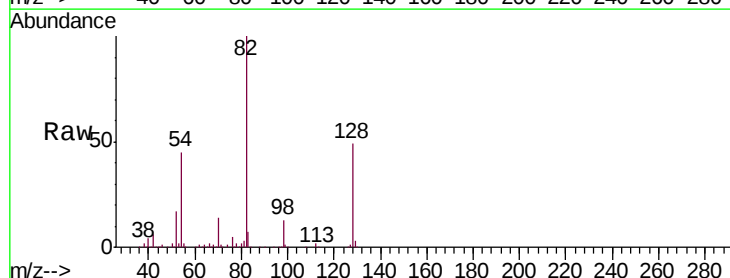
Ion Ratio Lower Upper

70 100

42 42.3 45.6 68.4#

101 0.0 8.2 12.2#

130 2.3 19.2 28.8#

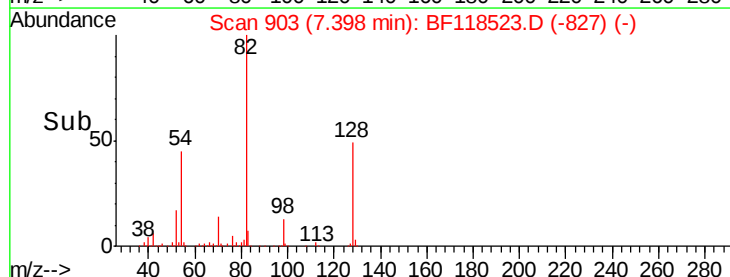
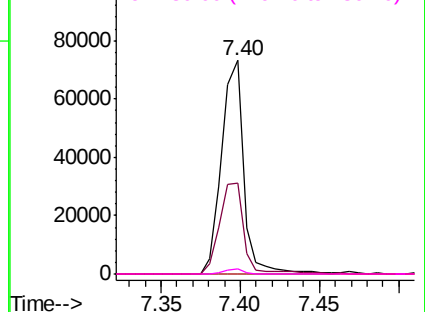


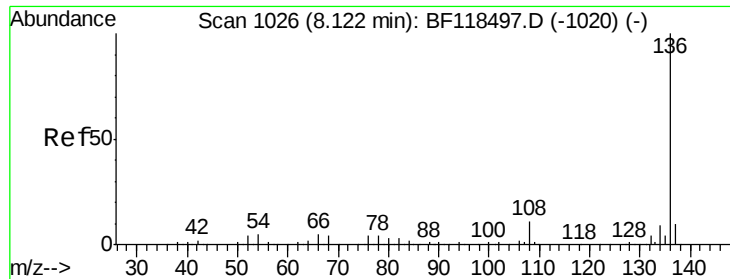
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

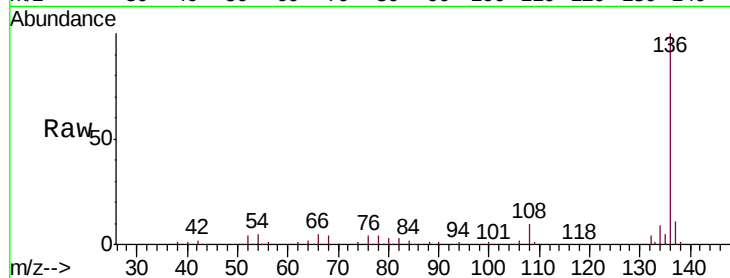




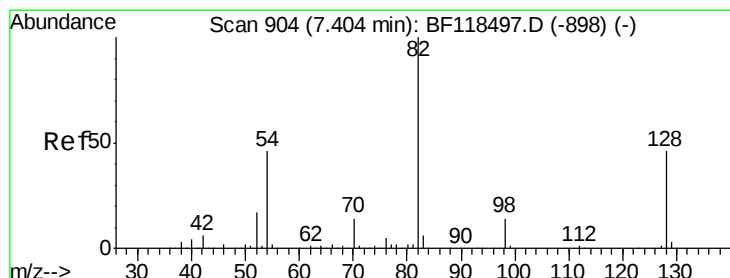
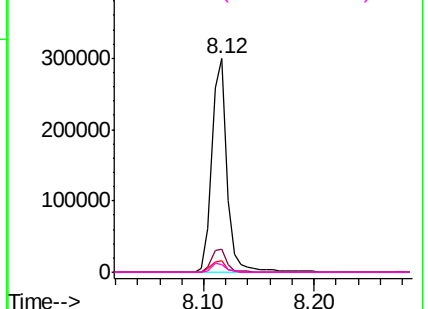
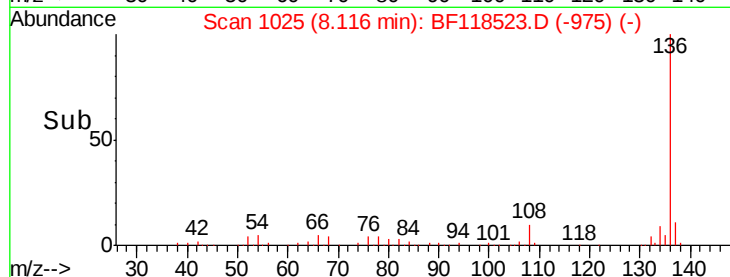
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118523.D
Acq: 10 Jan 2020 19:11

Instrument :
BNA_F
ClientSampleId :
SOIL-A

Tgt Ion:	136	Resp:	281659
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	5.3	4.2	6.2
68	3.8	3.3	4.9

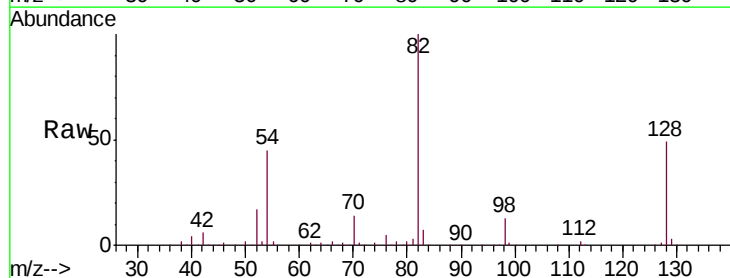


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

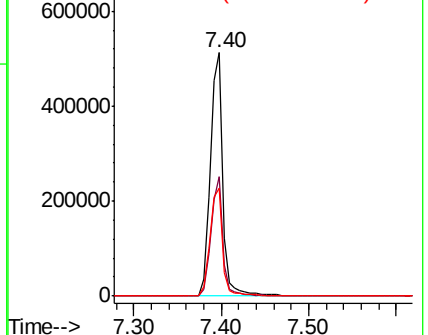
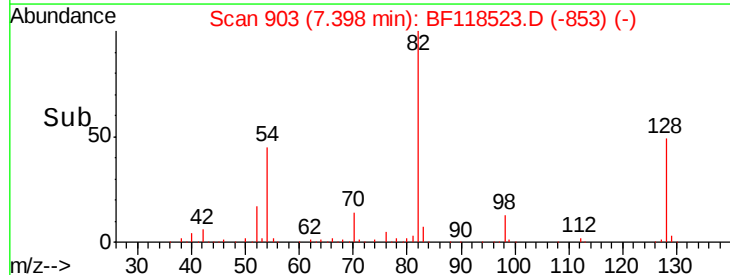


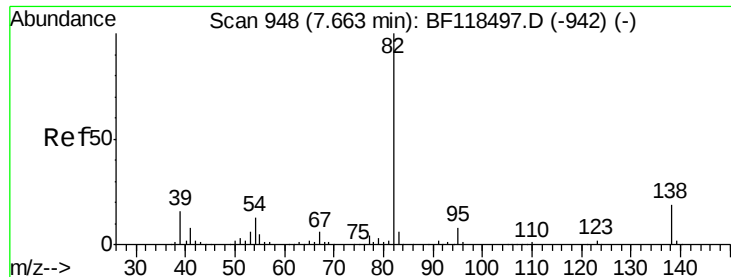
#23
Nitrobenzene-d5
Concen: 94.757 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF118523.D
Acq: 10 Jan 2020 19:11

Tgt Ion:	82	Resp:	508060
Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.6	54.8
54	44.6	37.0	55.6



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





#25

Isophorone

Concen: 59.148 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

Instrument :

BNA_F

ClientSampleId :

SOIL-A

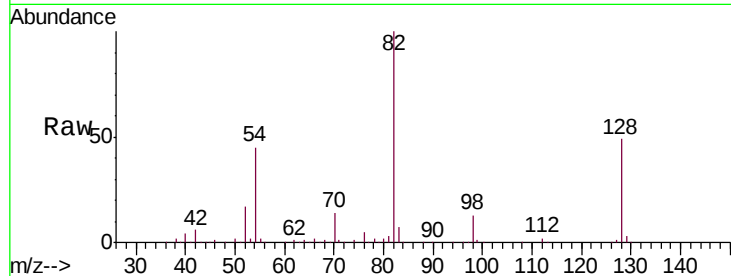
Tgt Ion: 82 Resp: 508057

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

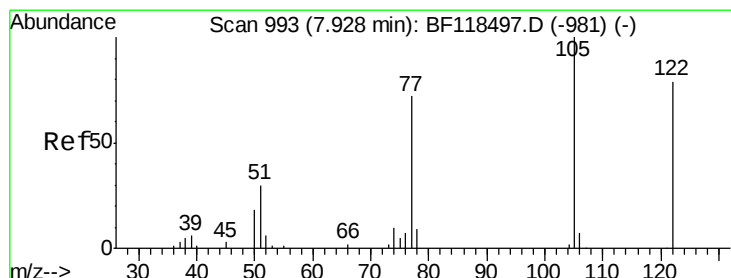
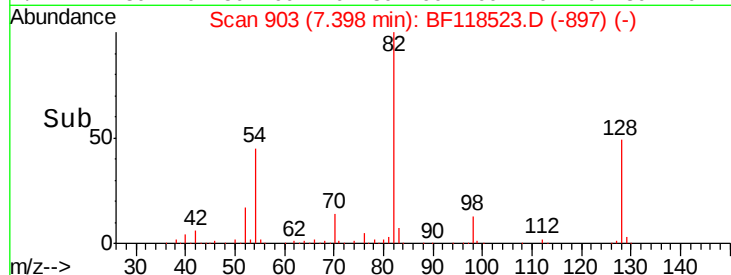
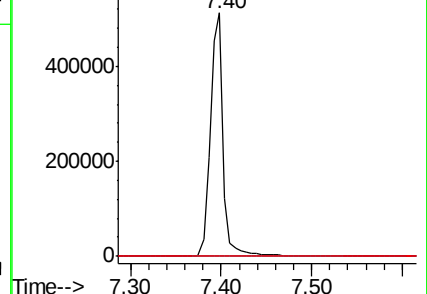
138 0.0 15.4 23.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.718 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.08 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

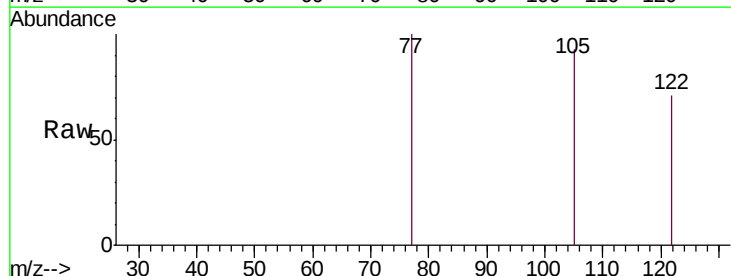
Tgt Ion: 122 Resp: 666

Ion Ratio Lower Upper

122 100

105 131.8 105.7 145.7

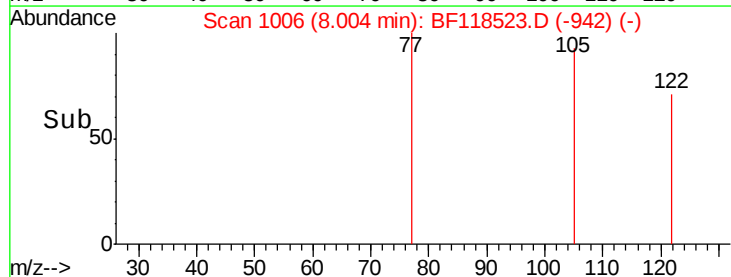
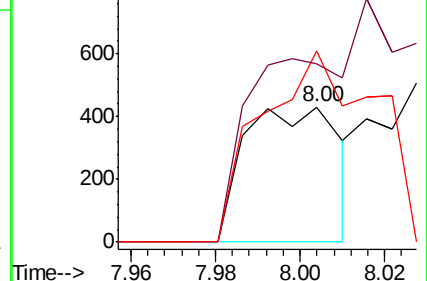
77 141.1 71.0 111.0#

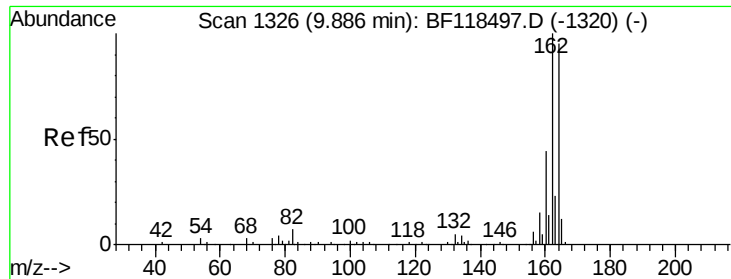


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

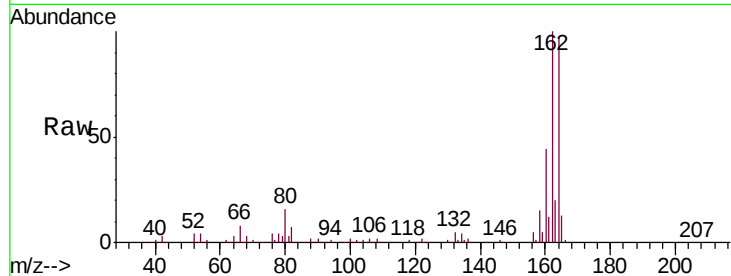




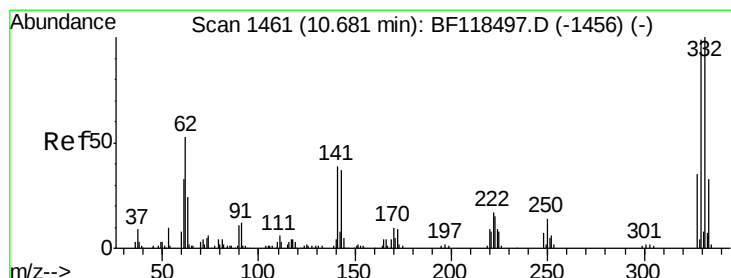
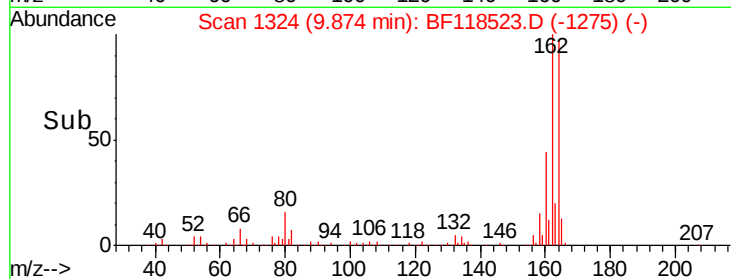
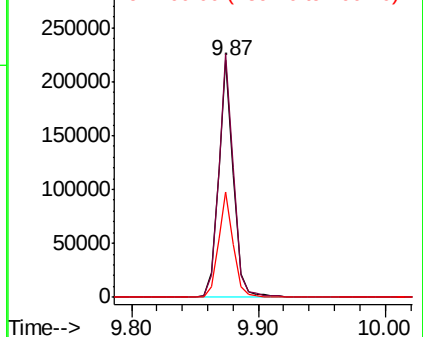
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-A

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	84.2	126.4
160	44.7	36.8	55.2

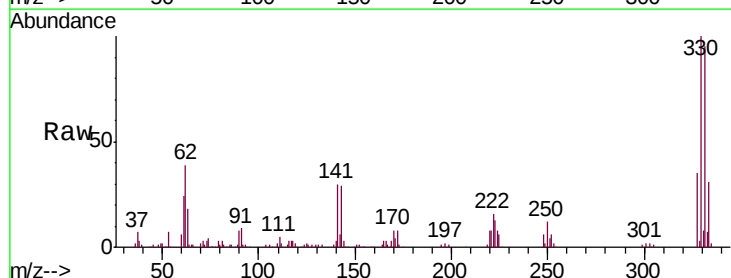


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

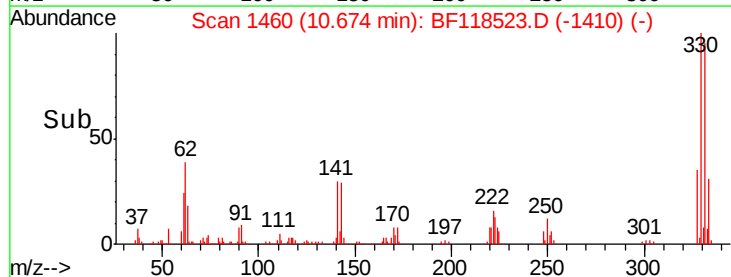
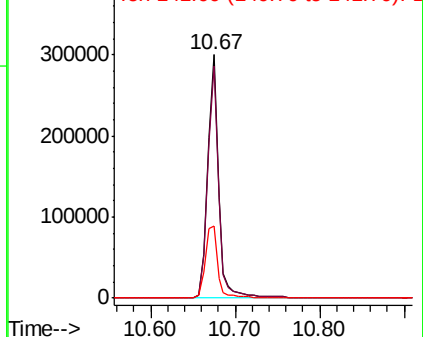


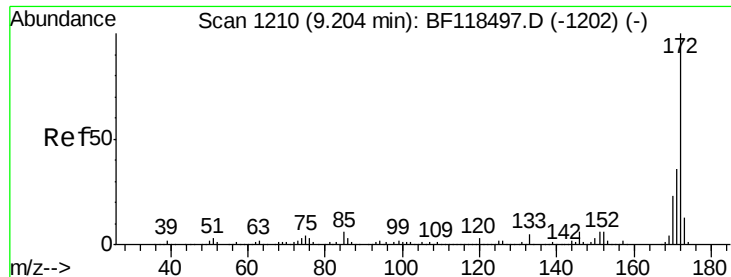
#42
 2,4,6-Tribromophenol
 Concen: 127.834 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.9	116.9
141	33.7	28.6	43.0



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

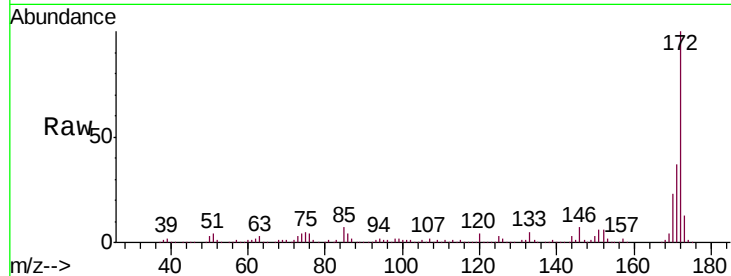




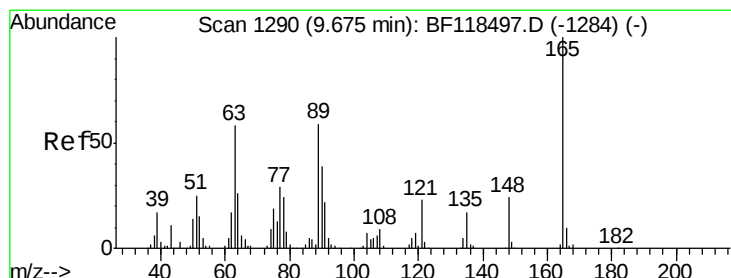
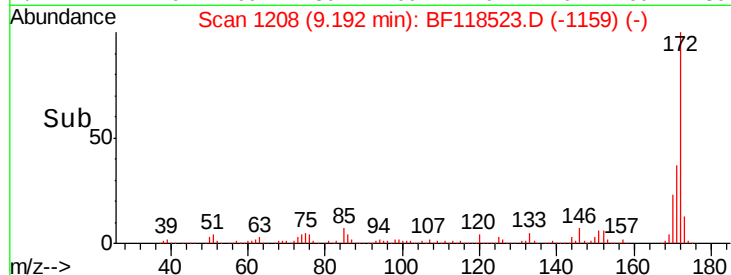
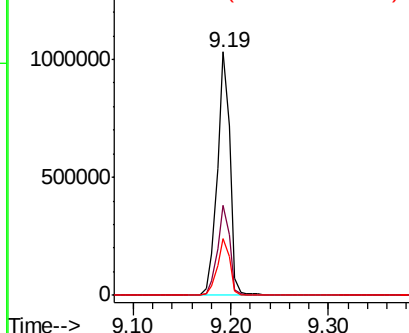
#45
 2-Fluorobiphenyl
 Concen: 73.367 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF118523.D
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Instrument :
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 ClientSampled :
 SOIL-A

Tgt Ion:172 Resp: 928522
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.6 42.8
 170 23.4 18.6 27.8

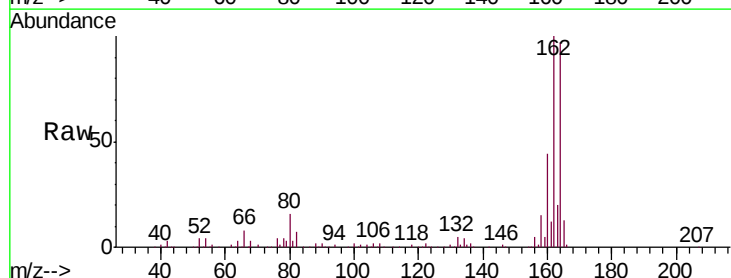


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

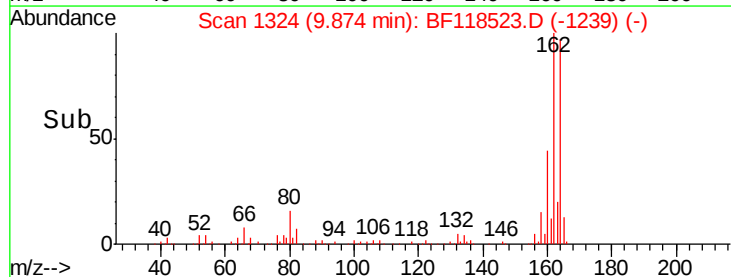
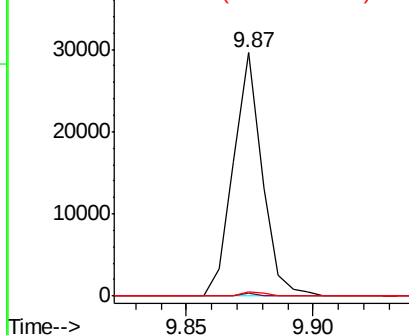


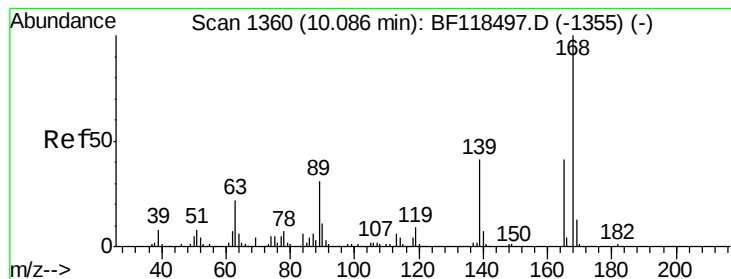
#51
 2,6-Dinitrotoluene
 Concen: 7.775 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.20 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

Tgt Ion:165 Resp: 23326
 Ion Ratio Lower Upper
 165 100
 63 1.1 46.6 70.0#
 89 2.0 47.5 71.3#



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

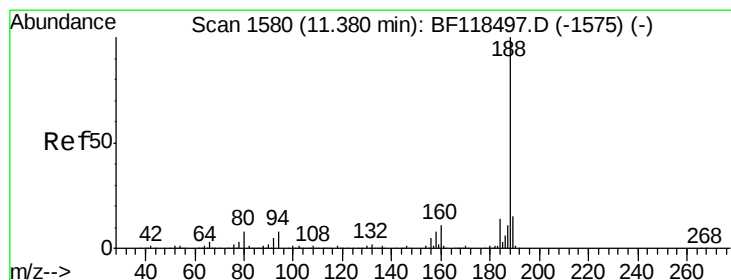
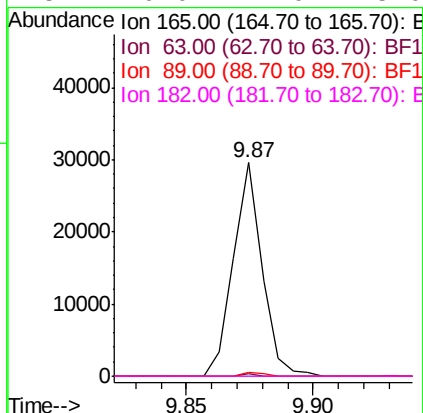
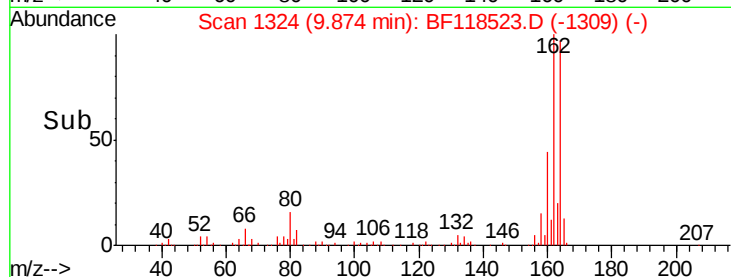
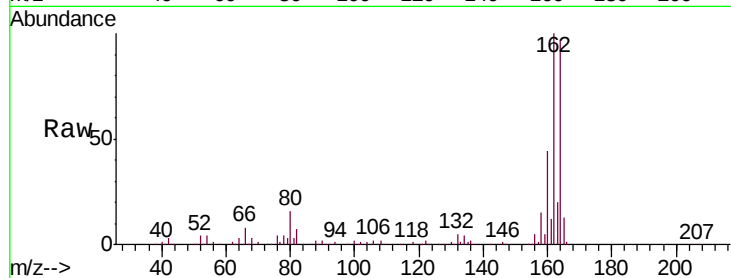




#57
 2,4-Dinitrotoluene
 Concen: 5.807 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

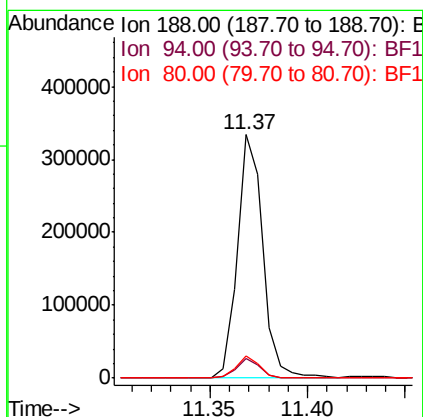
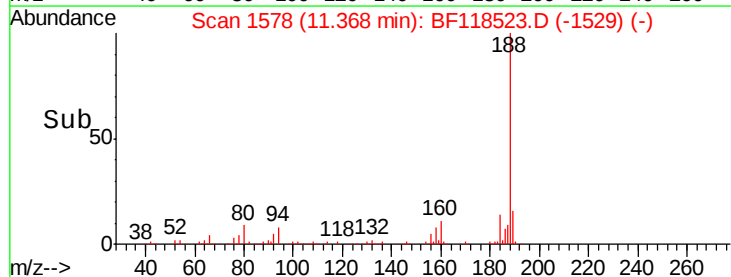
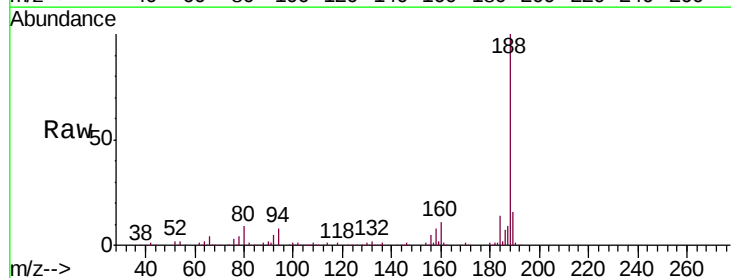
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-A

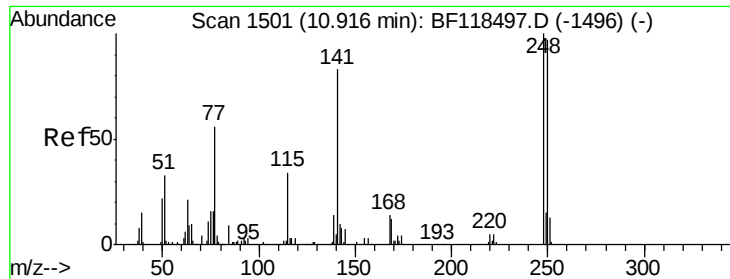
Tgt Ion:	165	Resp:	23326
Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.1	66.1#
89	2.0	60.4	90.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF118523.D
 Acq: 10 Jan 2020 19:11

Tgt Ion:	188	Resp:	300945
Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.2	9.4
80	9.2	6.6	10.0

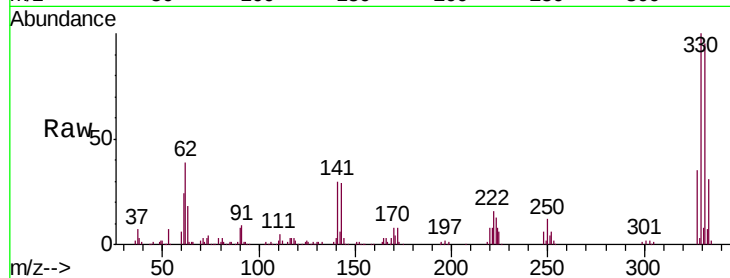




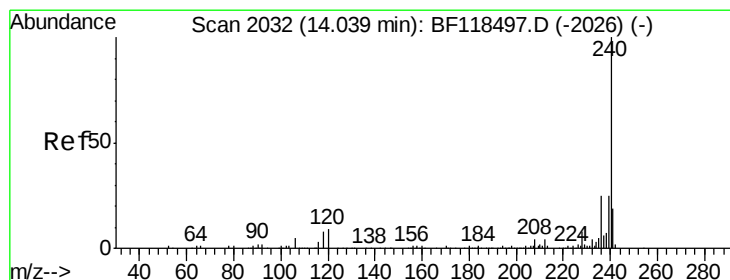
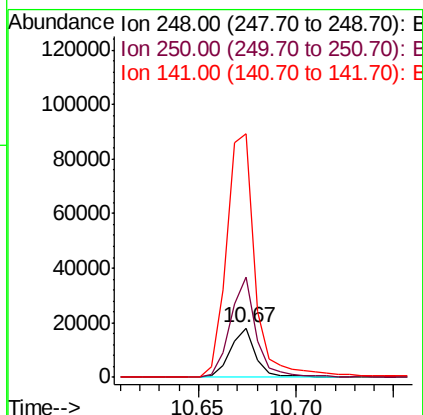
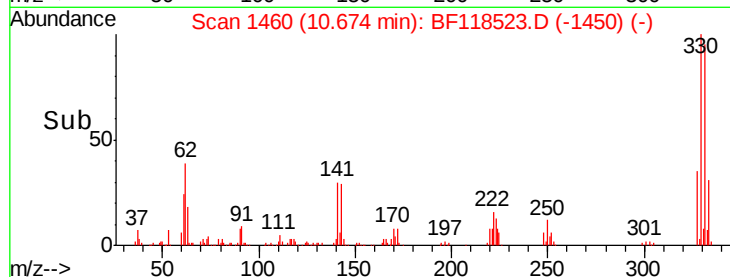
#67
4-Bromophenyl-phenylether
Concen: 4.615 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF118523.D
Acq: 10 Jan 2020 19:11

Instrument :
BNA_F
ClientSampleId :
SOIL-A

Tgt Ion:248 Resp: 16266
Ion Ratio Lower Upper
248 100
250 202.0 77.4 116.0#
141 492.9 66.2 99.4#

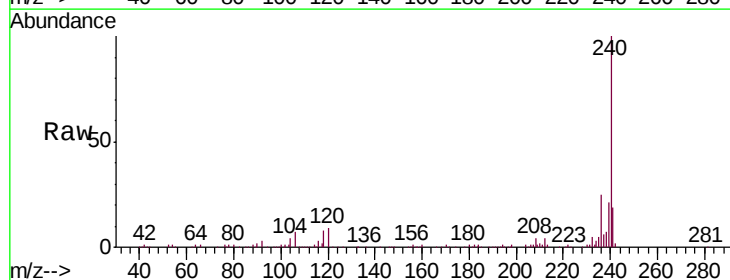


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

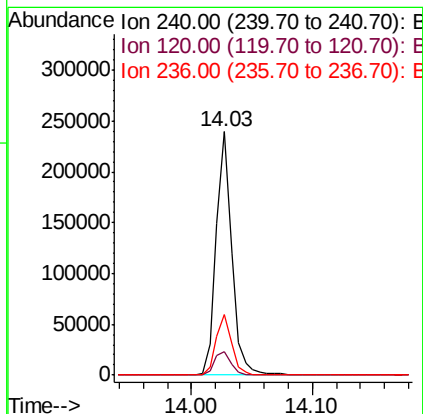
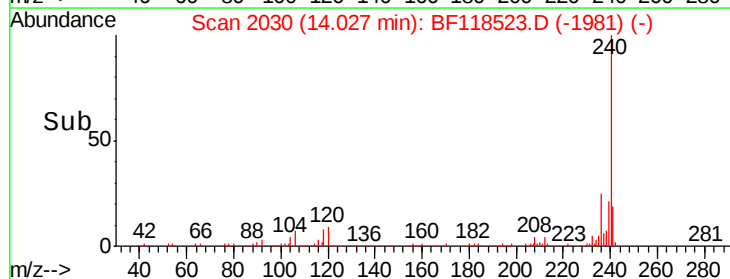


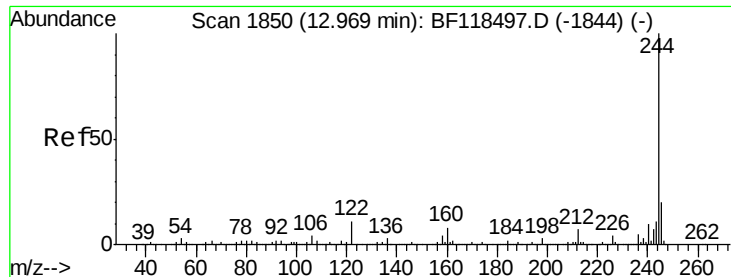
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118523.D
Acq: 10 Jan 2020 19:11

Tgt Ion:240 Resp: 211946
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.6
236 24.8 20.1 30.1



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





#79

Terphenyl-d14

Concen: 76.844 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

Instrument :

BNA_F

ClientSampleId :

SOIL-A

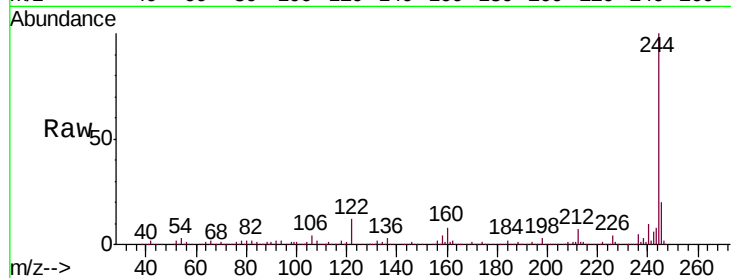
Tgt Ion:244 Resp: 1027767

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

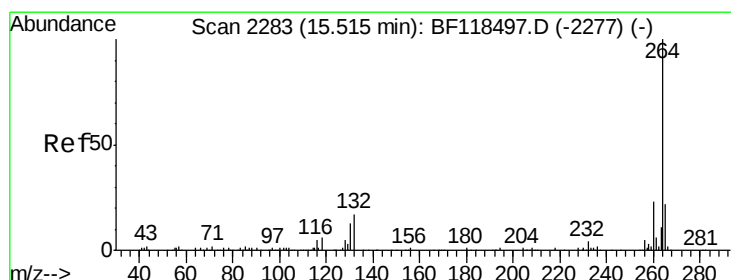
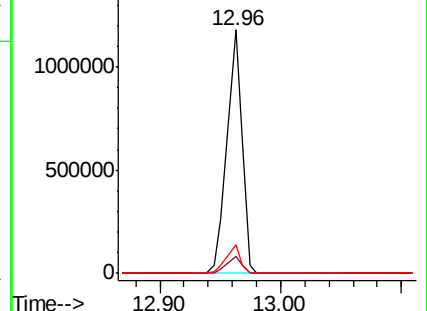
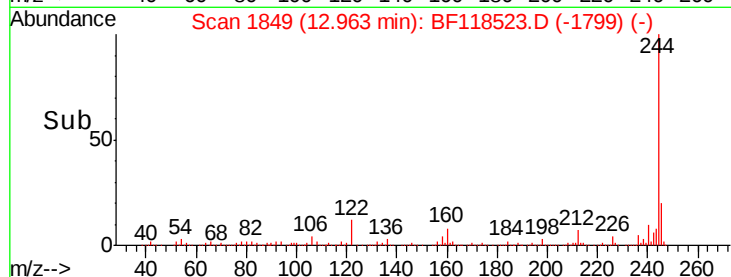
122 11.5 9.0 13.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF118523.D

Acq: 10 Jan 2020 19:11

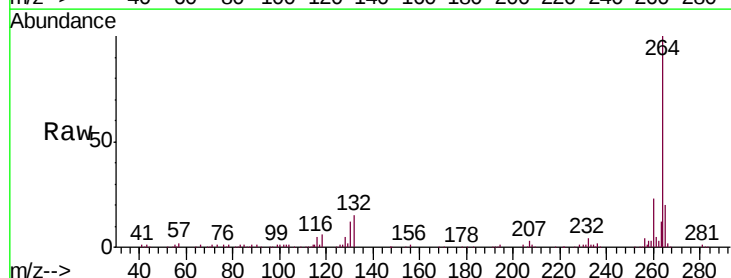
Tgt Ion:264 Resp: 205009

Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 19.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

