

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117112.D
 Acq On : 17 Sep 2019 17:45
 Operator : HP/JU
 Sample : K4860-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-091119

Quant Time: Sep 18 03:51:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	61508	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	236527	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	121562	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	190193	20.00	ng	0.00
76) Chrysene-d12	13.97	240	139069	20.00	ng	0.00
87) Perylene-d12	15.42	264	119740	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	497937	126.39	ng	0.02
7) Phenol-d6	6.47	99	597691	117.39	ng	0.01
23) Nitrobenzene-d5	7.39	82	457691	101.67	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	163984	161.40	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	796750	102.48	ng	0.00
79) Terphenyl-d14	12.92	244	792615	106.54	ng	0.00

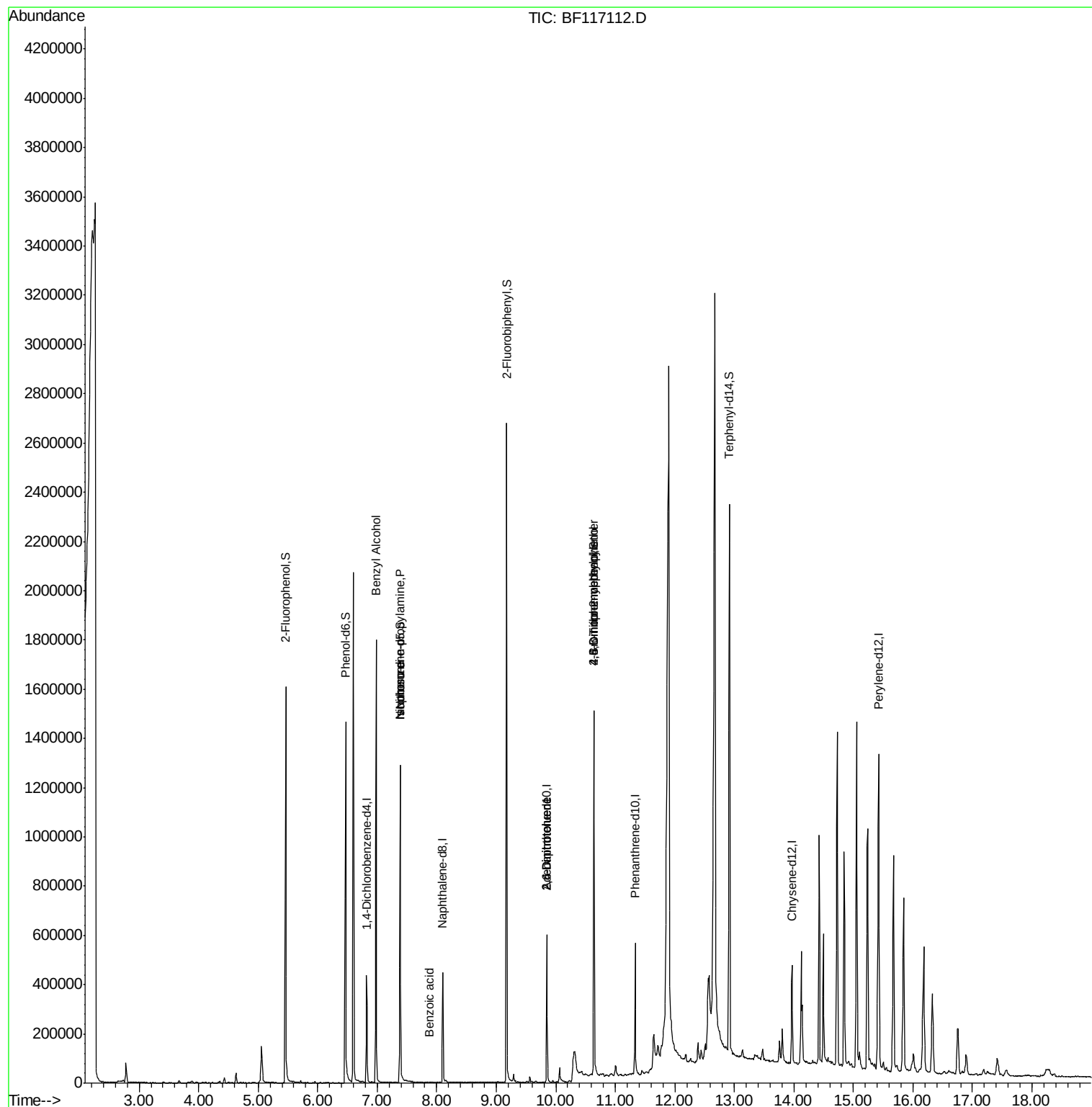
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	890	Below Cal		# 1
15) Benzyl Alcohol	6.98	79	7998	2.048	ng	# 52
19) n-Nitroso-di-n-propylamine	7.39	70	62765	20.245	ng	# 79
25) Isophorone	7.39	82	457687	57.422	ng	# 66
32) Benzoic acid	7.87	122	603	6.821	ng	# 60
51) 2,6-Dinitrotoluene	9.85	165	16010	9.133	ng	# 25
57) 2,4-Dinitrotoluene	9.85	165	16010	7.036	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.65	198	317	7.215	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	10141	5.221	ng	# 1

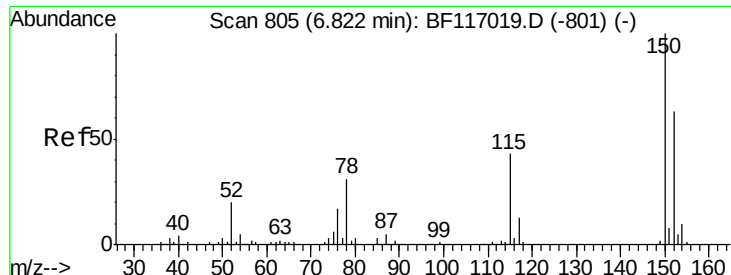
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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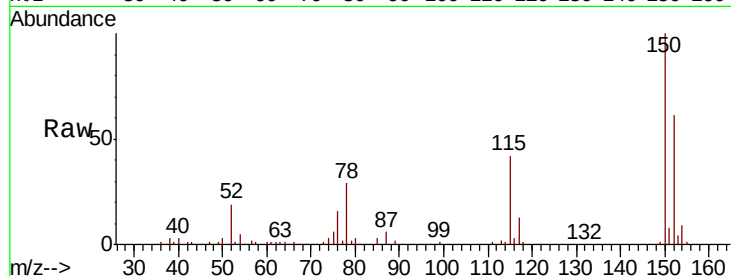


#1

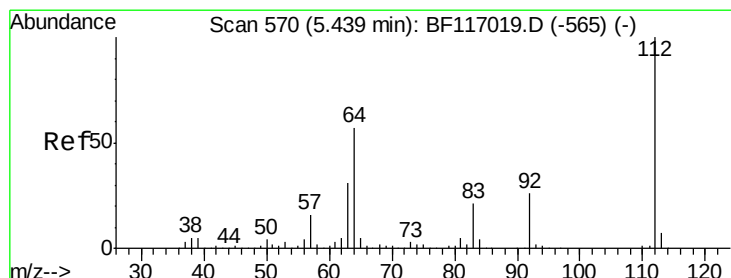
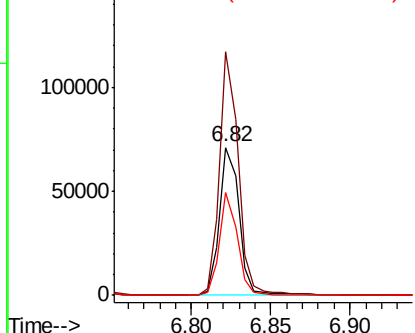
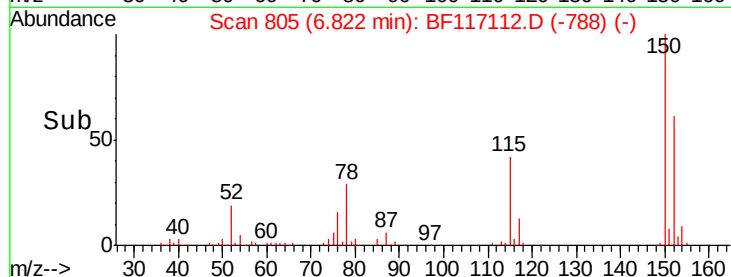
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-091119

Tot Ion:152 Resp: 61508
Ion Ratio Lower Upper
152 100
150 164.5 127.5 191.3
115 69.2 55.0 82.4



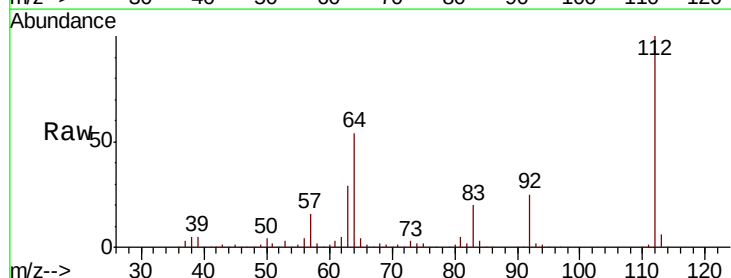
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



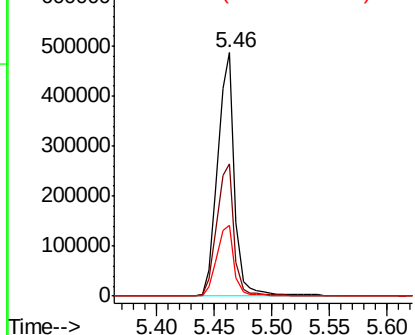
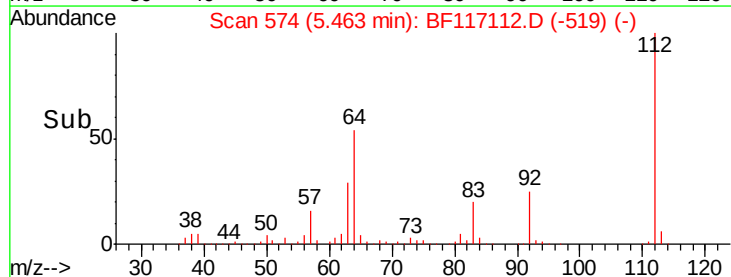
#5

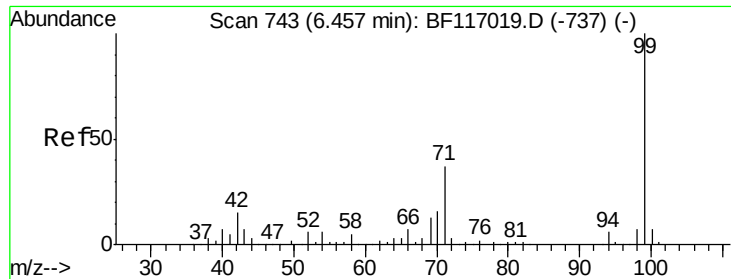
2-Fluorophenol
Concen: 126.391 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Tgt Ion:112 Resp: 497937
Ion Ratio Lower Upper
112 100
64 54.3 45.7 68.5
63 29.2 24.9 37.3



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: 117.391 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117112.D

Acq: 17 Sep 2019 17:45

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-091119

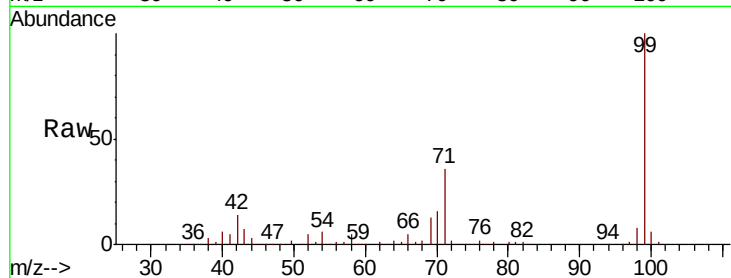
Tot Ion: 99 Resp: 597691

Ion Ratio Lower Upper

99 100

42 14.2 12.2 18.2

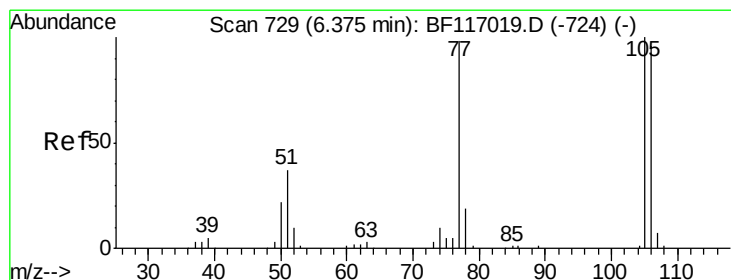
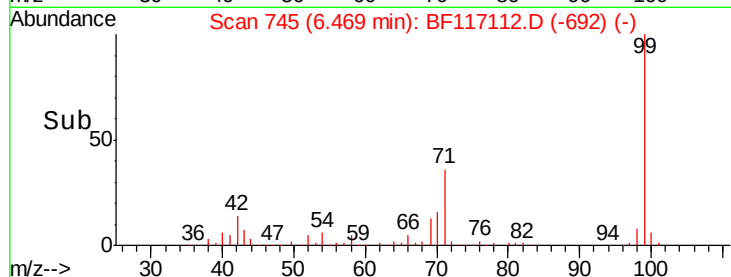
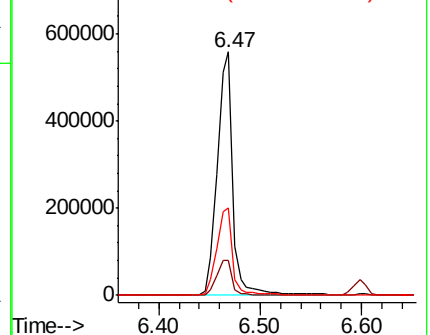
71 36.1 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.47 min Scan# 745

Delta R.T. 0.09 min

Lab File: BF117112.D

Acq: 17 Sep 2019 17:45

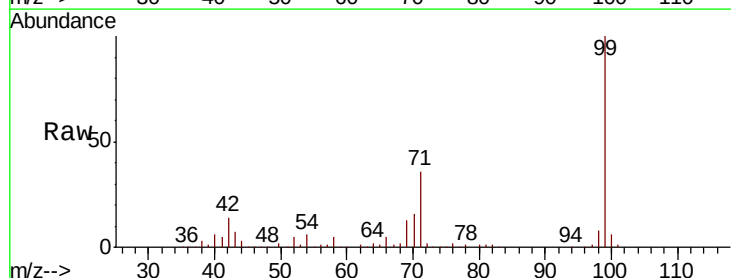
Tgt Ion: 77 Resp: 890

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

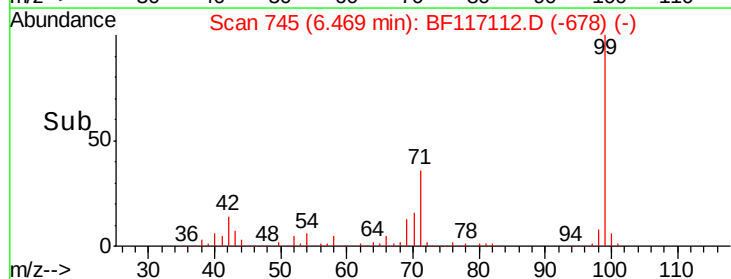
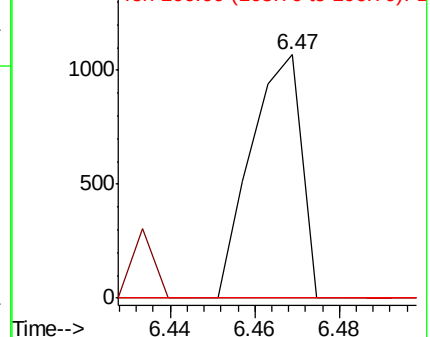
106 0.0 77.3 117.3#

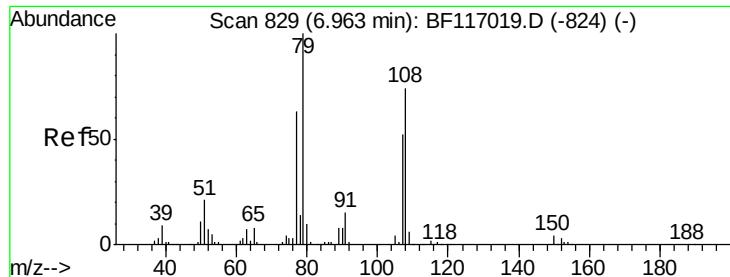


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.048 ng

RT: 6.98 min Scan# 832

Delta R.T. 0.02 min

Lab File: BF117112.D

Acq: 17 Sep 2019 17:45

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-091119

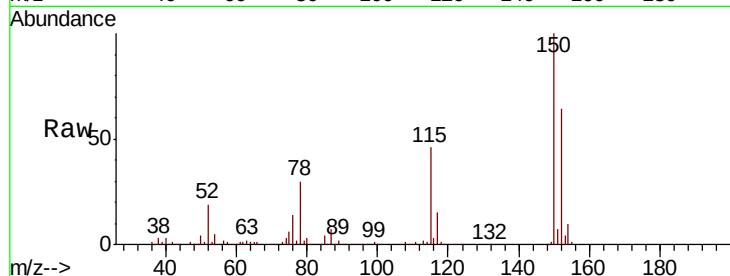
Tot Ion: 79 Resp: 7998

Ion Ratio Lower Upper

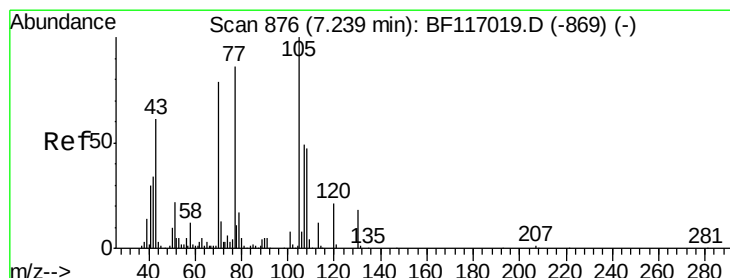
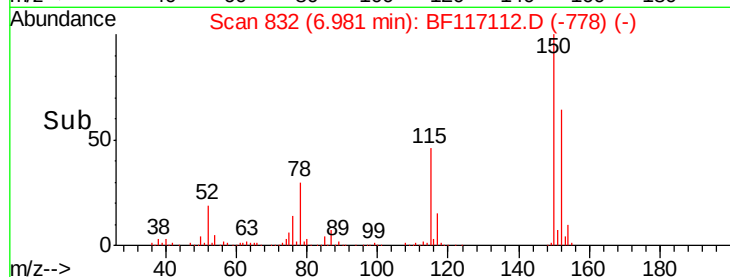
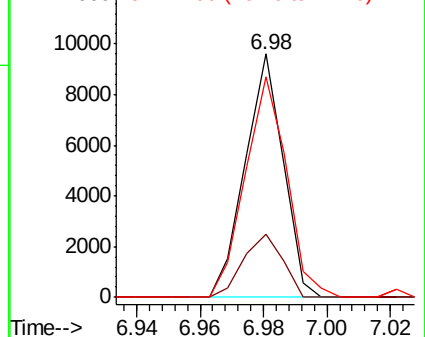
79 100

108 25.7 59.4 89.0#

77 90.6 50.2 75.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 20.245 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117112.D

Acq: 17 Sep 2019 17:45

Tgt Ion: 70 Resp: 62765

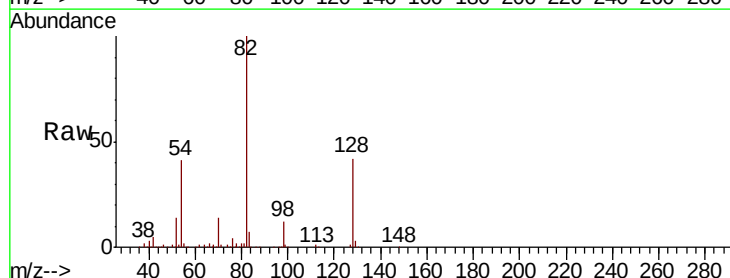
Ion Ratio Lower Upper

70 100

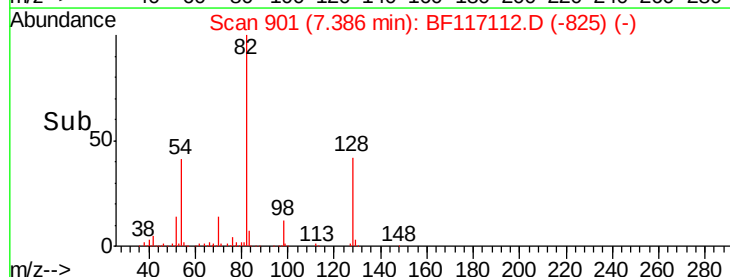
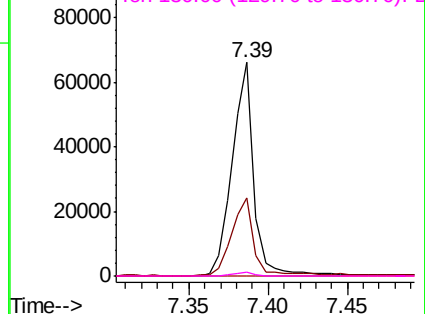
42 36.8 34.0 51.0

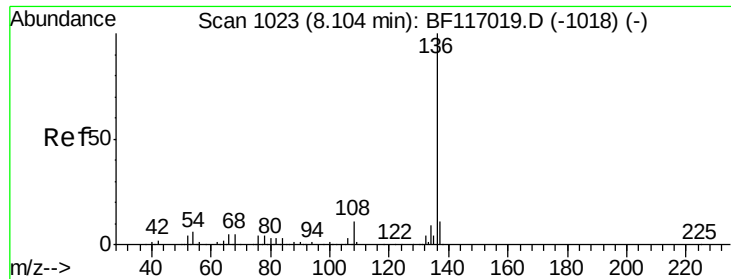
101 0.0 7.8 11.6#

130 1.8 17.8 26.8#



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

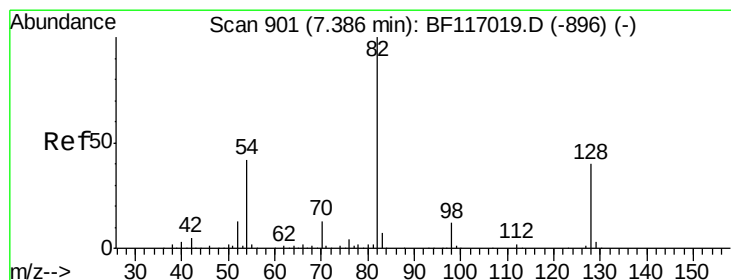
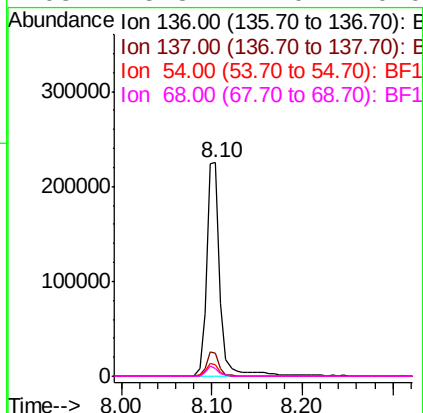
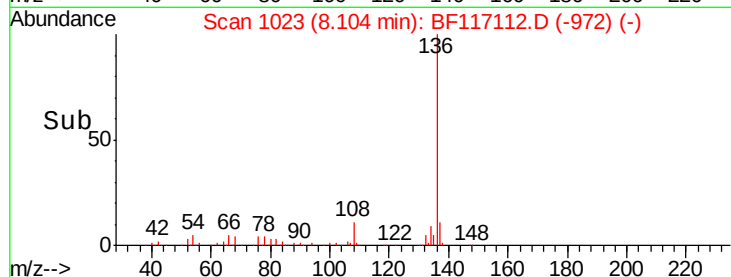
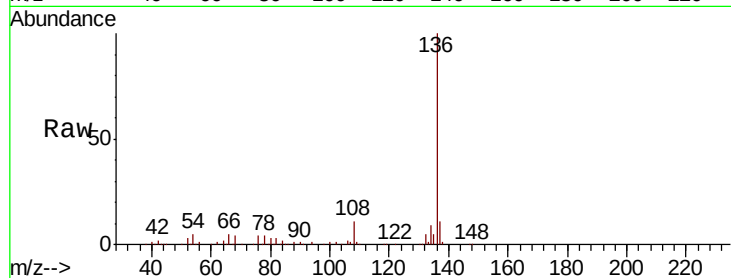




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

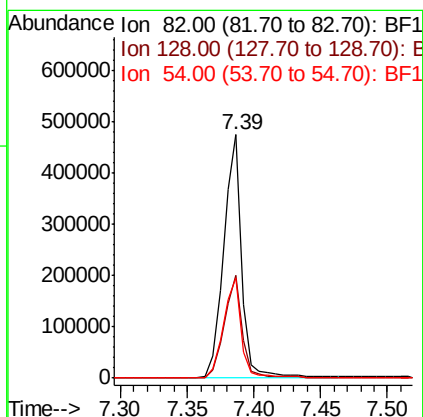
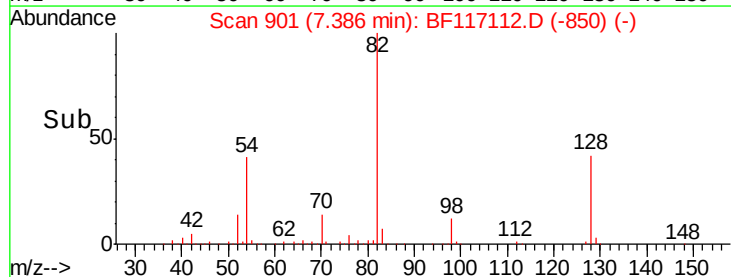
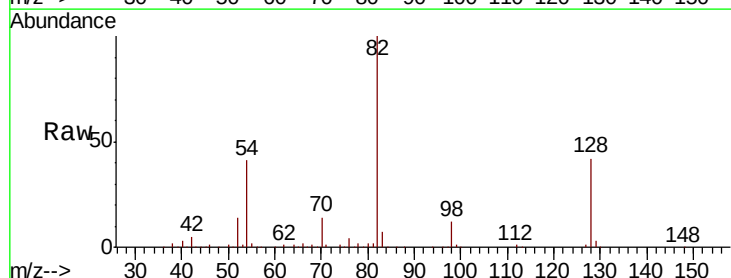
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-091119

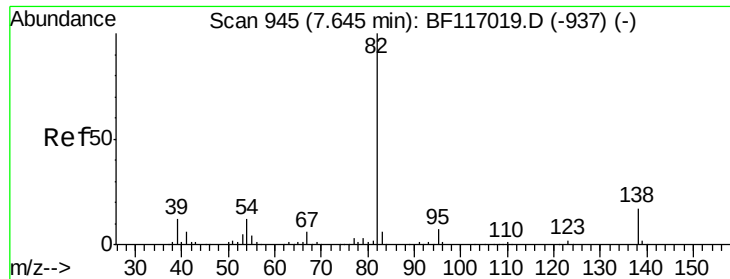
Tot Ion:136	Resp:	236527
Ion Ratio	Lower	Upper
136 100		
137 10.8	9.0	13.4
54 5.1	4.5	6.7
68 3.8	4.0	6.0#



#23
Nitrobenzene-d5
Concen: 101.672 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Tgt Ion: 82	Resp: 457691
Ion Ratio	Lower Upper
82 100	
128 42.5	32.3 48.5
54 41.0	33.3 49.9





#25

Isophorone

Concen: 57.422 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117112.D

Acq: 17 Sep 2019 17:45

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-091119

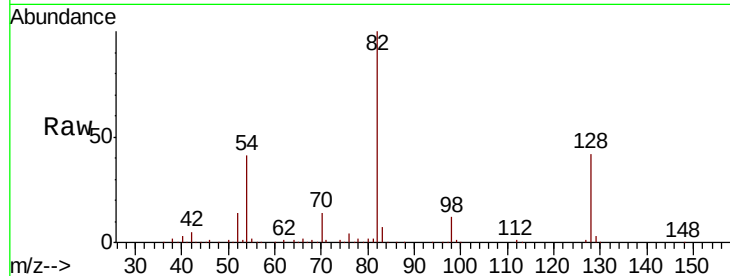
Tot Ion: 82 Resp: 457687

Ion Ratio Lower Upper

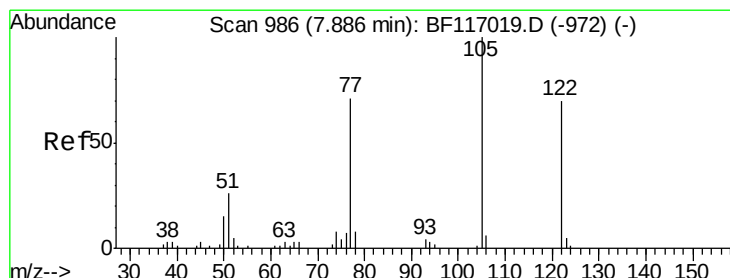
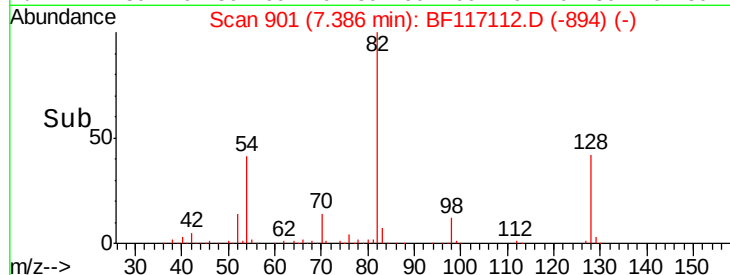
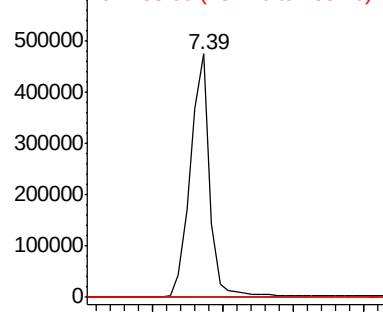
82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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: 6.821 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF117112.D

Acq: 17 Sep 2019 17:45

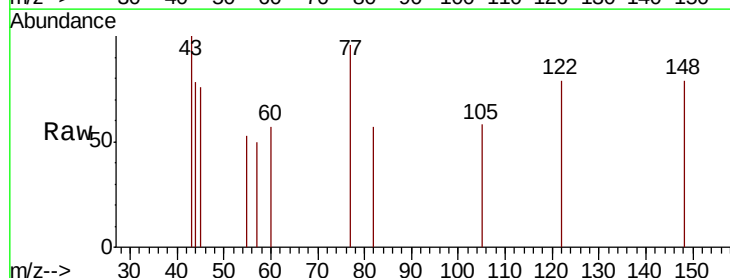
Tgt Ion: 122 Resp: 603

Ion Ratio Lower Upper

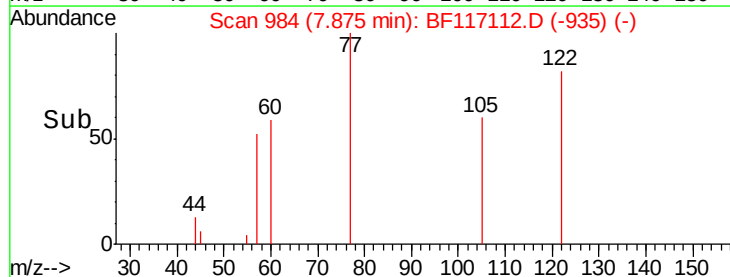
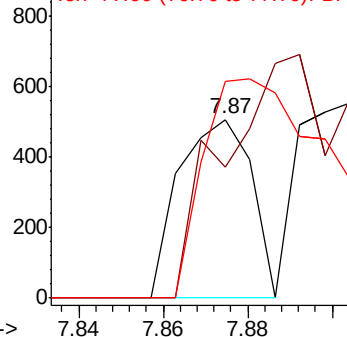
122 100

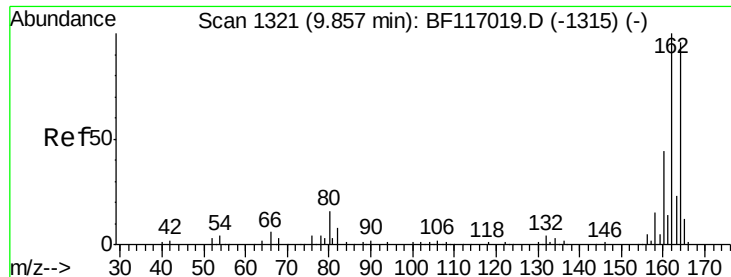
105 73.2 114.8 154.8#

77 121.3 78.7 118.7#



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

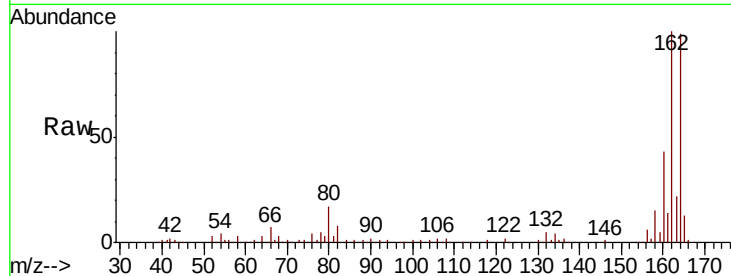




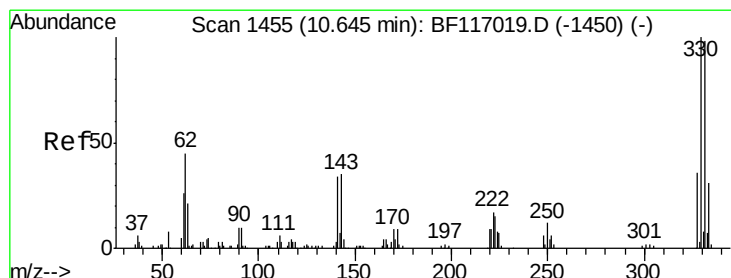
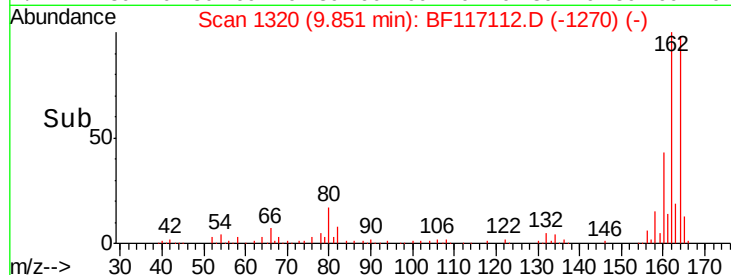
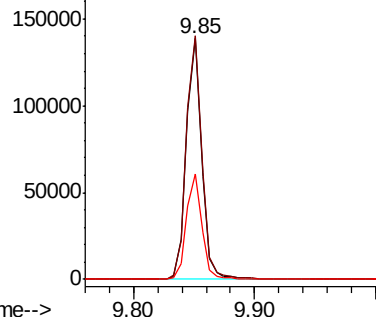
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-091119

Tot Ion:164 Resp: 121562
Ion Ratio Lower Upper
164 100
162 101.2 83.4 125.2
160 43.7 36.4 54.6

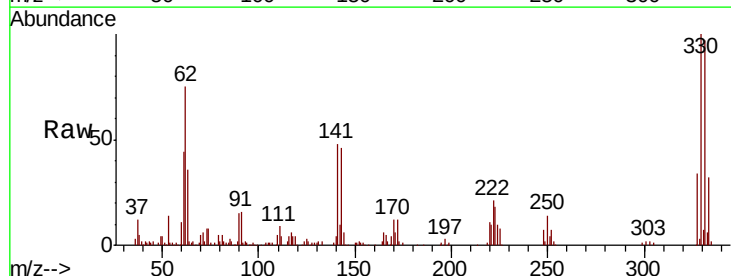


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

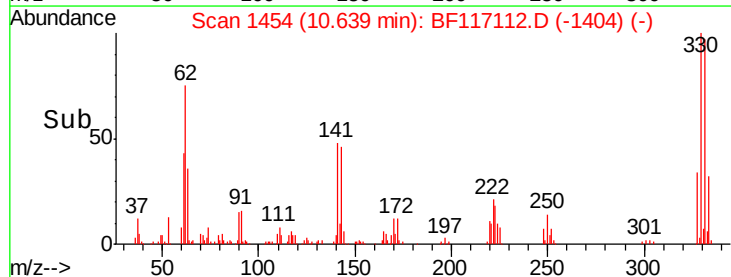
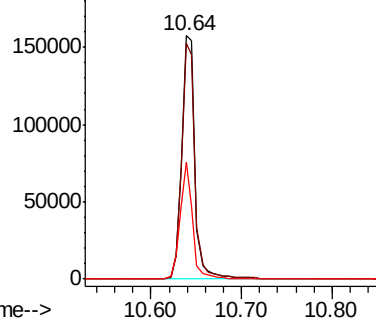


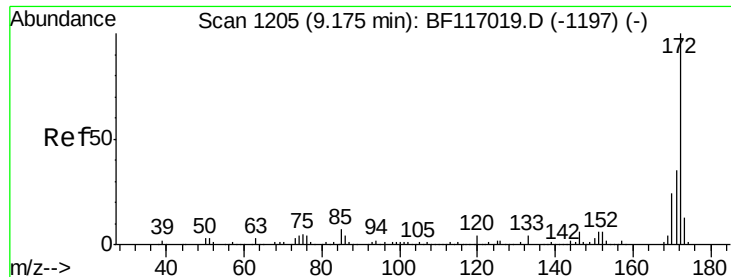
#42
2,4,6-Tribromophenol
Concen: 161.405 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Tgt Ion:330 Resp: 163984
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 45.0 35.8 53.6



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

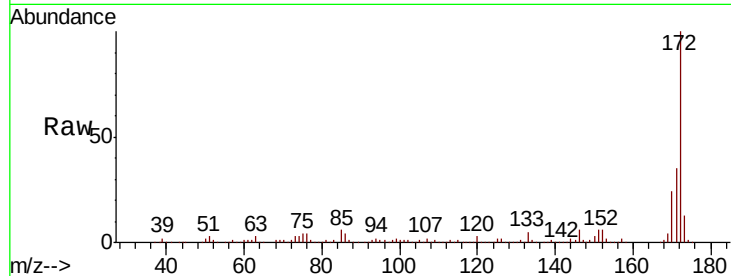




#45
 2-Fluorobiphenyl
 Concen: 102.481 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117112.D
 Acq: 17 Sep 2019 17:45

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-091119

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.2
170	23.6	18.9	28.3

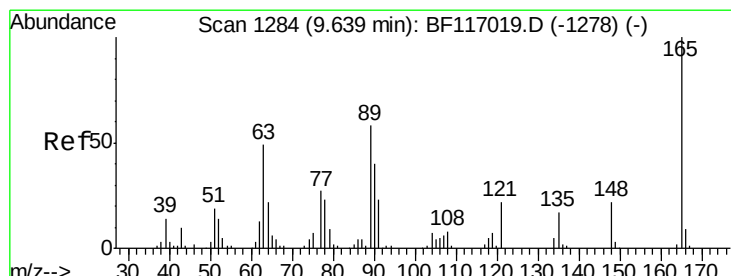
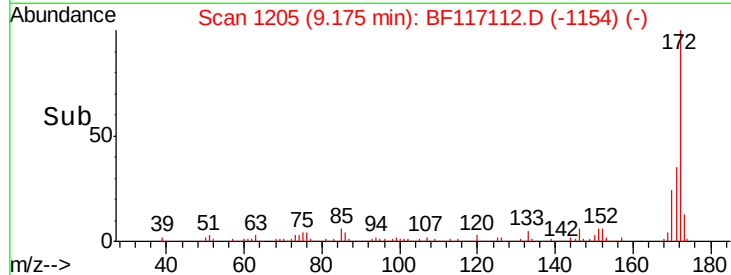
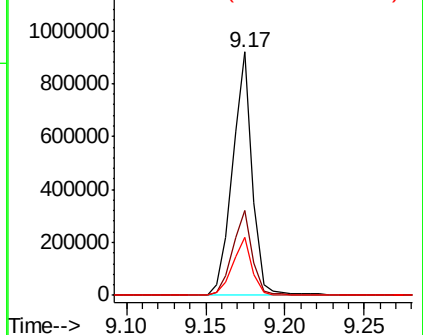


Abundance

Ion 172.00 (171.70 to 172.70): E

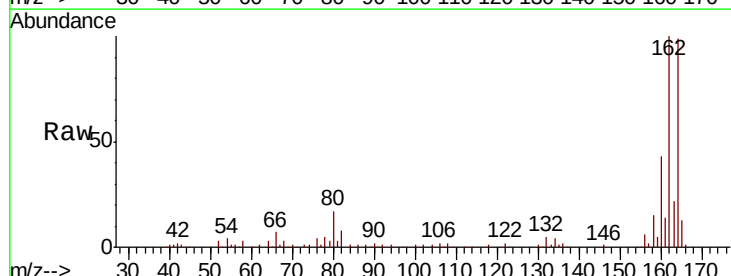
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 9.133 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117112.D
 Acq: 17 Sep 2019 17:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	2.0	46.5	69.7#

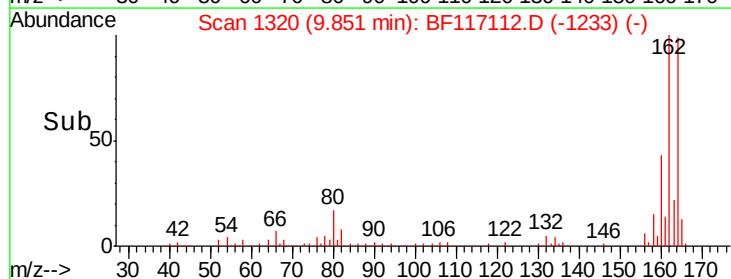
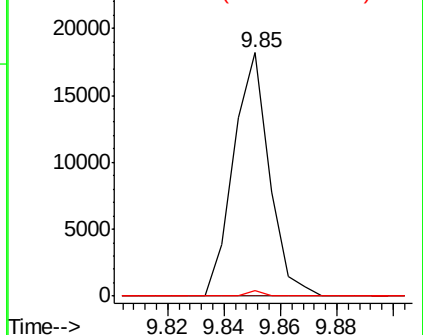


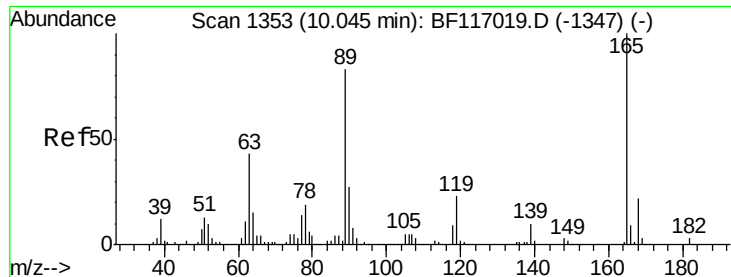
Abundance

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

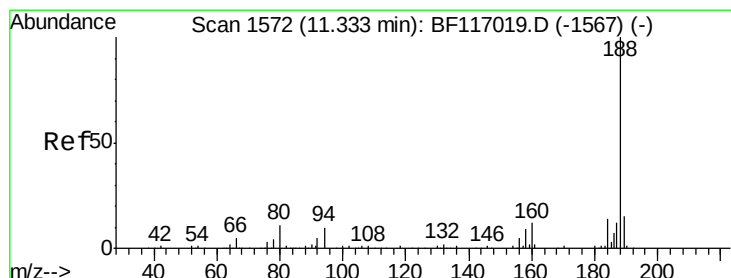
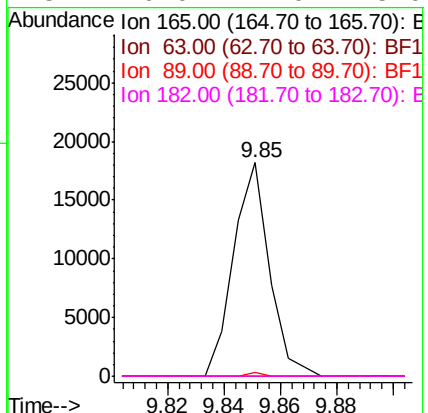
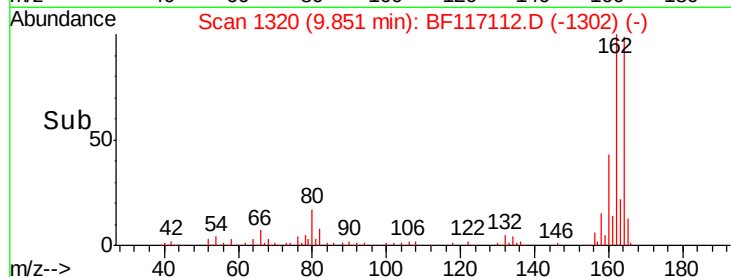
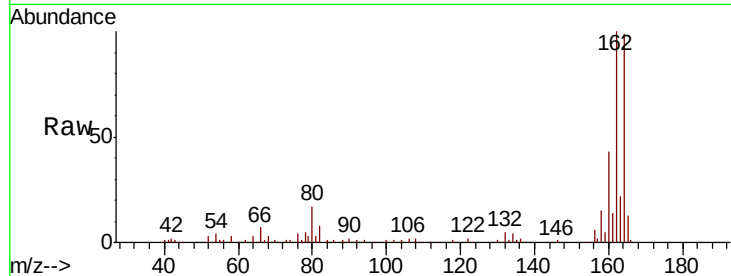




#57
 2,4-Dinitrotoluene
 Concen: 7.036 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117112.D
 Acq: 17 Sep 2019 17:45

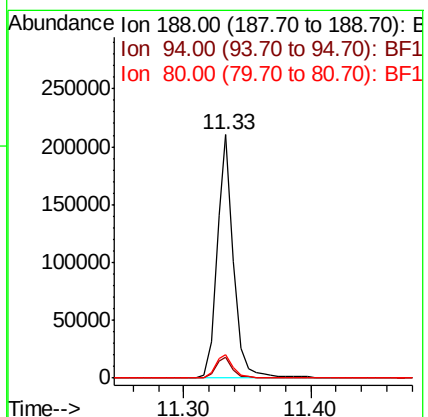
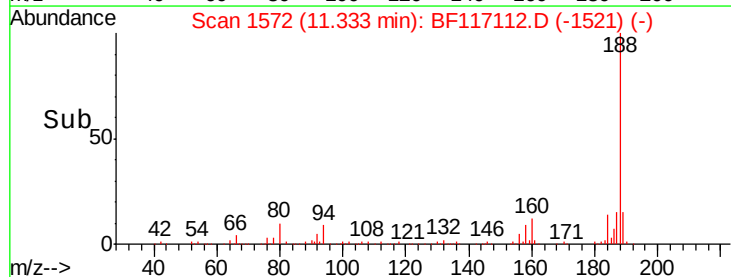
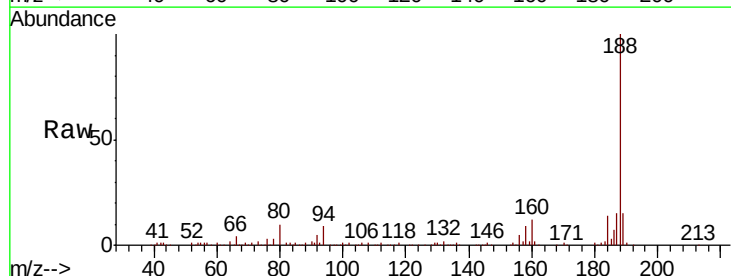
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-091119

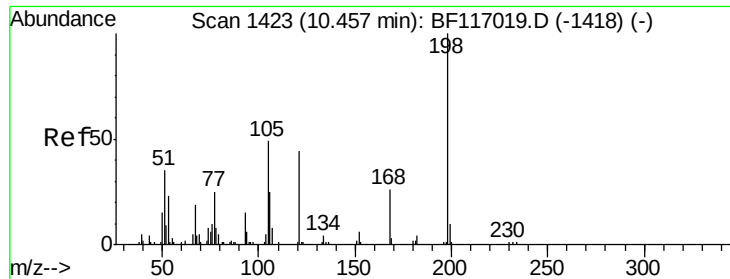
Tot Ion:165 Resp: 16010
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 2.0 66.1 99.1#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117112.D
 Acq: 17 Sep 2019 17:45

Tgt Ion:188 Resp: 190193
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.2
 80 9.7 9.0 13.6

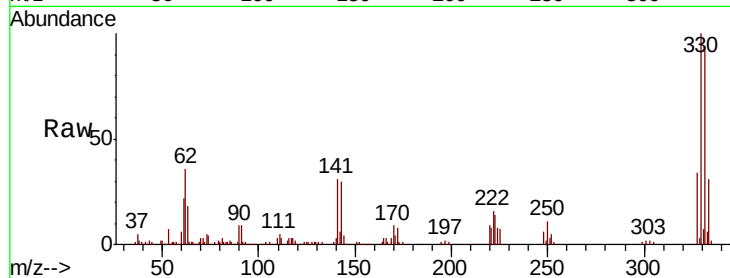




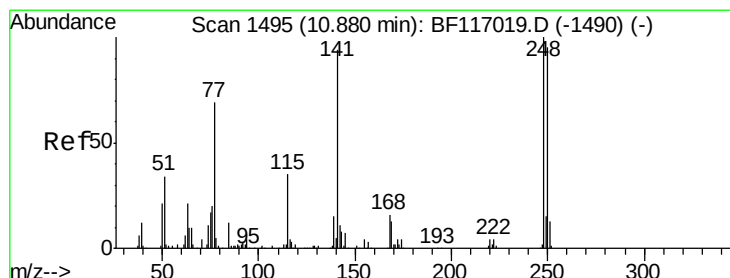
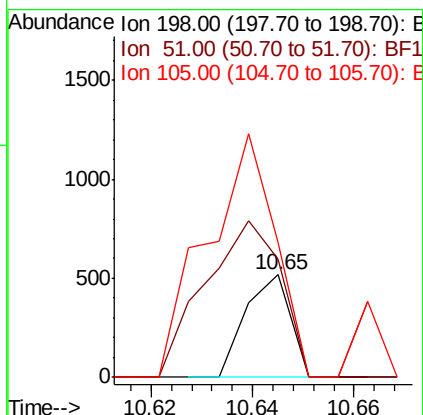
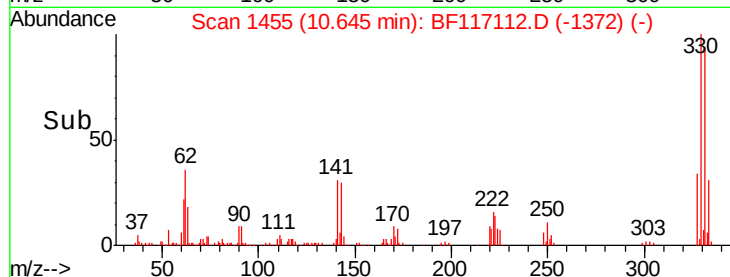
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.215 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.19 min
 Lab File: BF117112.D
 Acq: 17 Sep 2019 17:45

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-091119

Tot Ion:198 Resp: 317
 Ion Ratio Lower Upper
 198 100
 51 114.9 18.7 58.7#
 105 131.5 30.2 70.2#

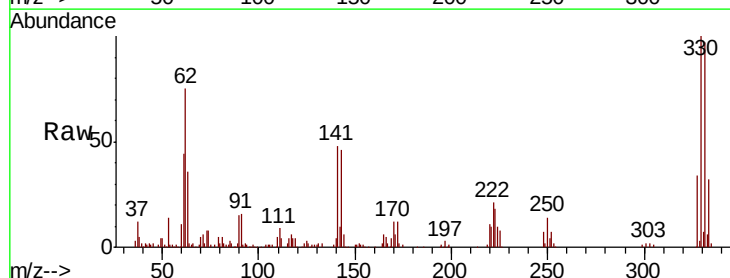


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

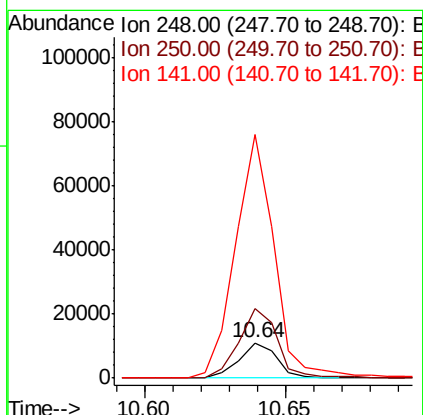
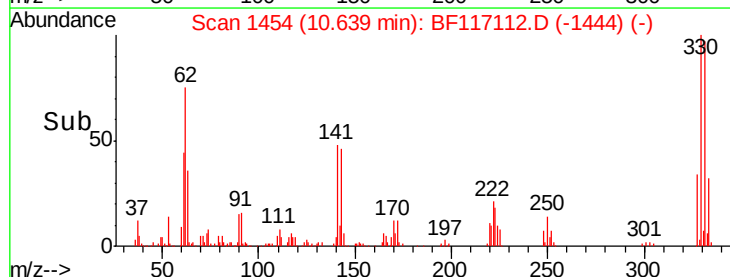


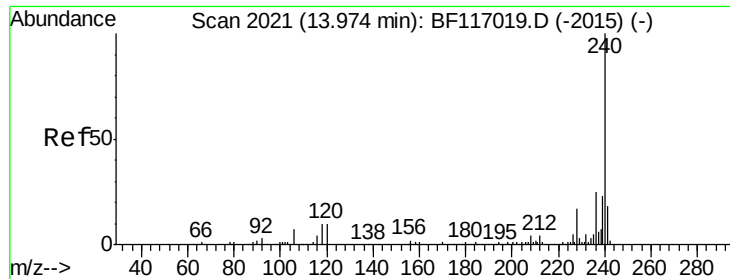
#67
 4-Bromophenyl-phenylether
 Concen: 5.221 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117112.D
 Acq: 17 Sep 2019 17:45

Tgt Ion:248 Resp: 10141
 Ion Ratio Lower Upper
 248 100
 250 196.9 76.2 114.4#
 141 688.1 75.0 112.4#



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

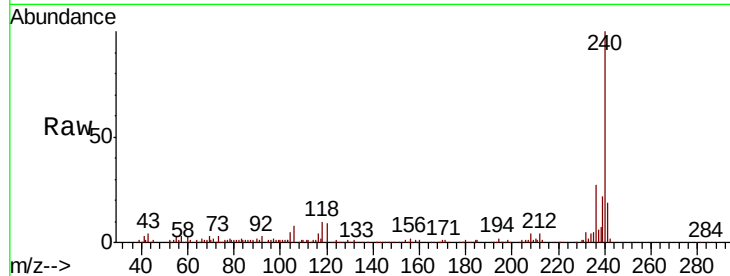




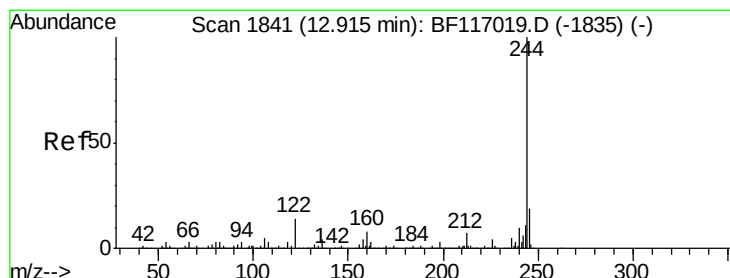
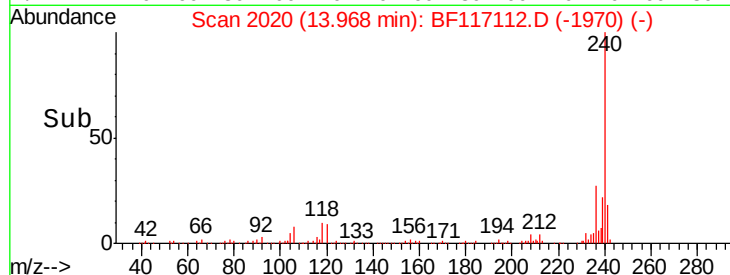
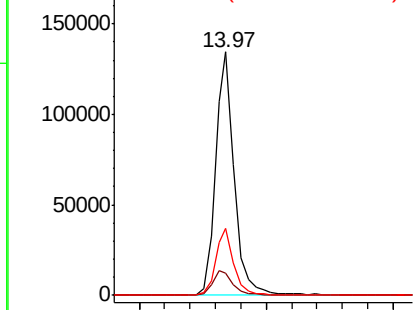
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-091119

Tot Ion:240 Resp: 139069
Ion Ratio Lower Upper
240 100
120 9.2 8.3 12.5
236 27.3 20.3 30.5

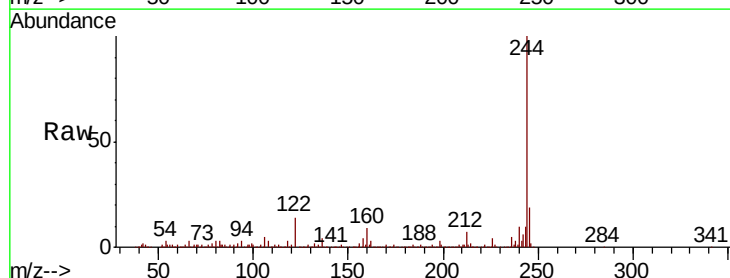


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

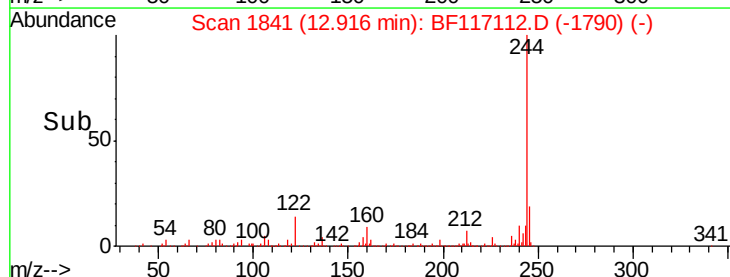
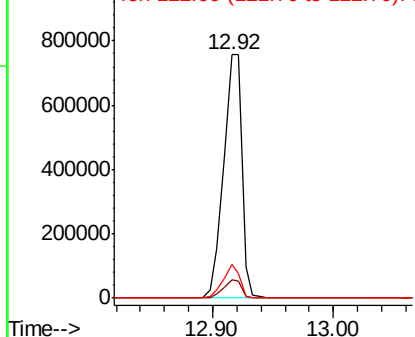


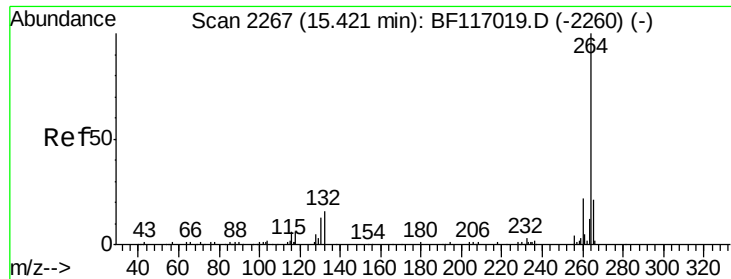
#79
Terphenyl-d14
Concen: 106.535 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Tgt Ion:244 Resp: 792615
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.8
122 13.7 11.3 16.9



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
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117112.D
Acq: 17 Sep 2019 17:45

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-091119

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.6	26.4
265	21.3	16.6	24.8

