

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081718\
 Data File : BF108255.D
 Acq On : 17 Aug 2018 20:47
 Operator : JU/SJ
 Sample : J4496-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOP-SOIL

Quant Time: Aug 17 23:46:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	164223	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	639548	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	313723	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	556990	20.00	ng	0.00
75) Chrysene-d12	14.21	240	427466	20.00	ng	0.00
86) Perylene-d12	15.77	264	347529	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	742670	81.87	ng	0.01
7) Phenol-d6	6.64	99	1003707	83.27	ng	0.00
23) Nitrobenzene-d5	7.58	82	661810	57.74	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	264542	84.54	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1246500	63.79	ng	0.00
78) Terphenyl-d14	13.14	244	1092472	64.98	ng	0.00

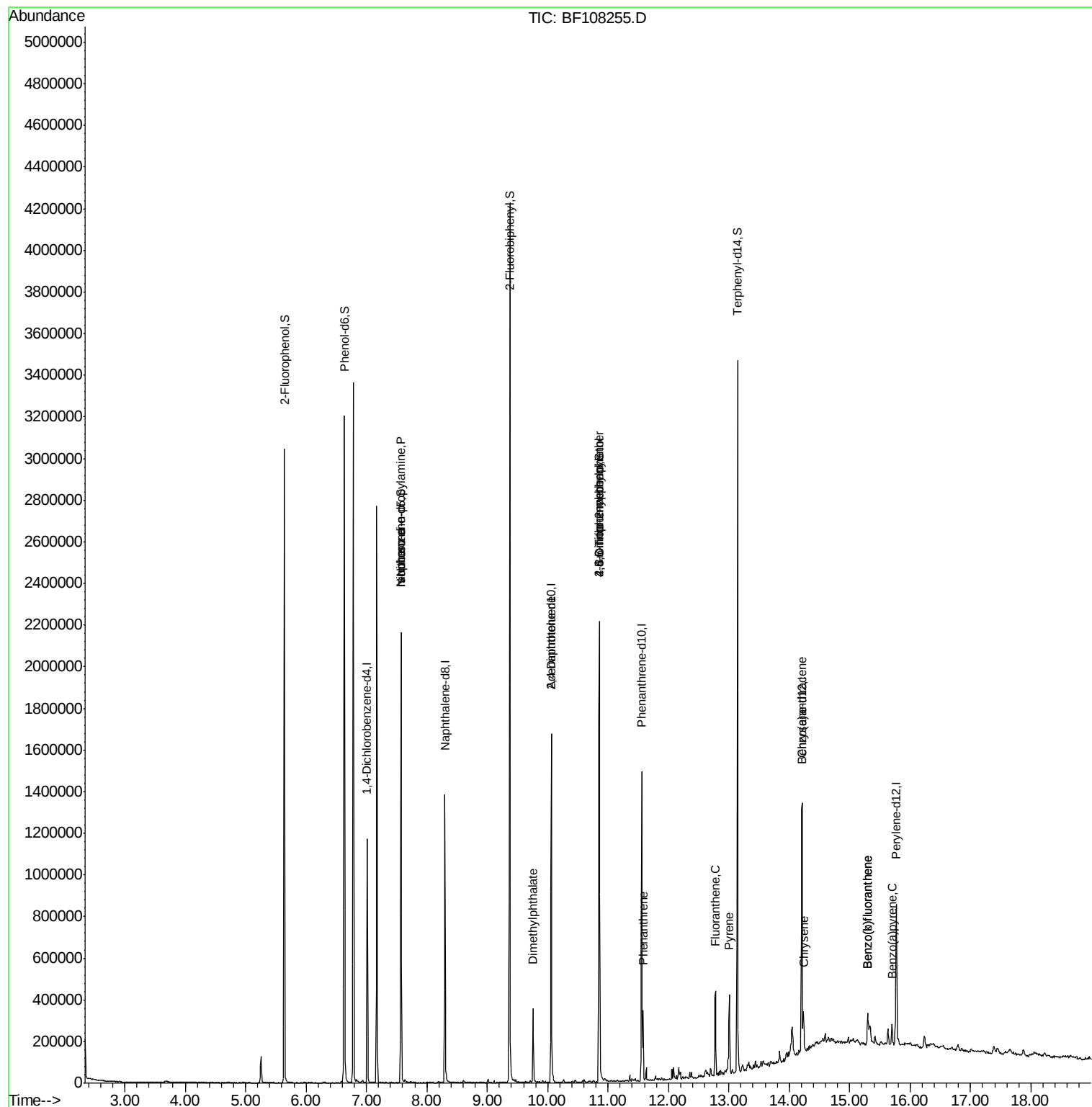
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	89043	10.924	ng	# 82
25) Isophorone	7.58	82	661800	30.295	ng	# 64
49) Dimethylphthalate	9.76	163	134245	6.143	ng	99
56) 2,4-Dinitrotoluene	10.06	165	40408	6.866	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	576	5.603	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	17427	2.879	ng	# 1
70) Phenanthrene	11.58	178	118590	4.514	ng	97
74) Fluoranthene	12.78	202	165917	5.787	ng	93
77) Pyrene	13.01	202	148147	5.474	ng	99
80) Benzo(a)anthracene	14.20	228	77936	3.177	ng	97
82) Chrysene	14.24	228	74728	3.323	ng	98
87) Benzo(b)fluoranthene	15.30	252	113253	5.454	ng	96
88) Benzo(k)fluoranthene	15.30	252	113253	5.933	ng	97
89) Benzo(a)pyrene	15.70	252	52615	2.829	ng	99

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

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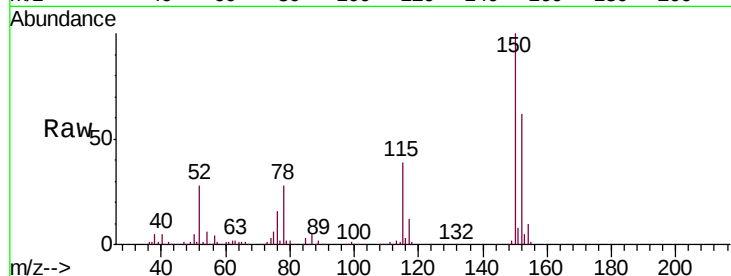


#1

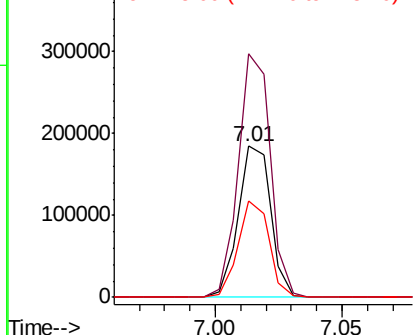
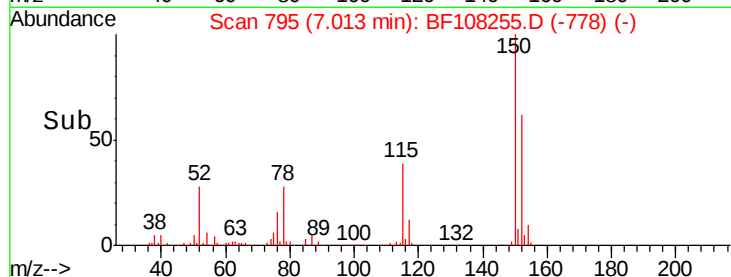
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOP-SOIL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.6	186.8
115	63.5	50.1	75.1



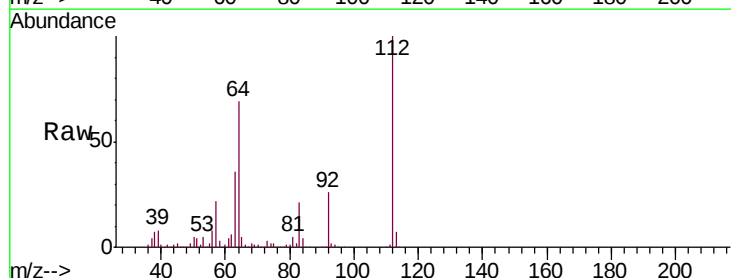
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



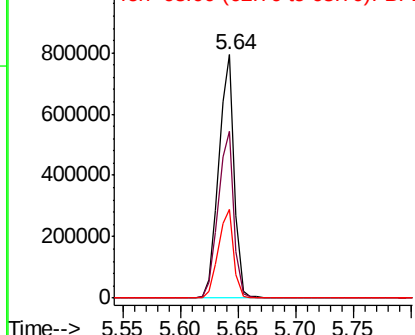
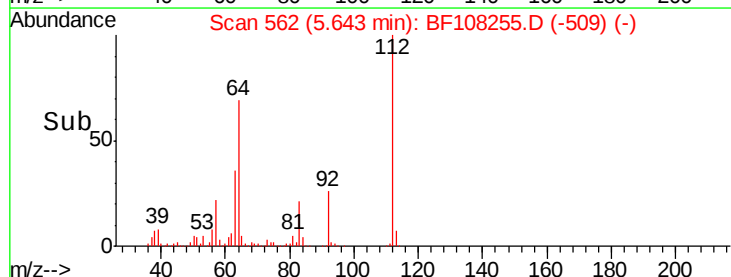
#5

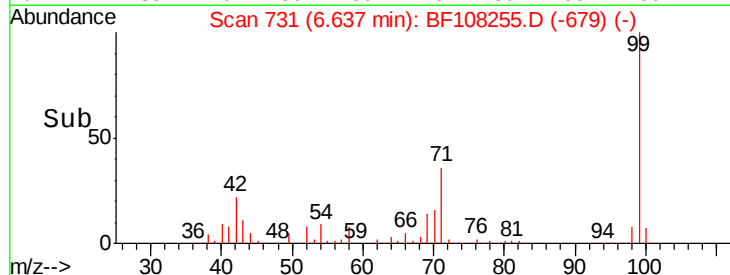
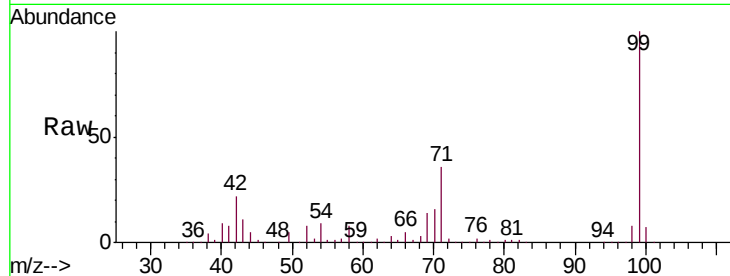
2-Fluorophenol
Concen: 81.875 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	47.9	71.9
63	36.5	23.7	35.5#



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: 83.268 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-TOP-SOIL

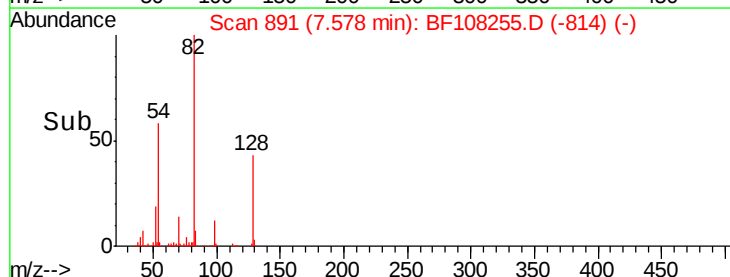
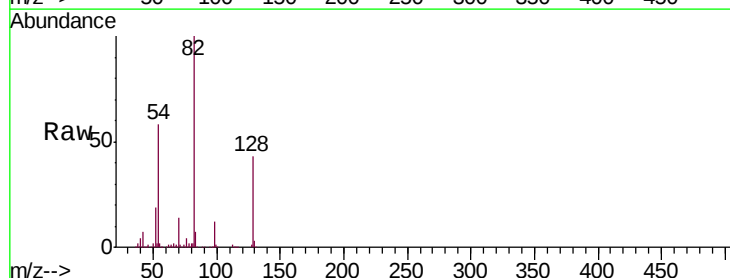
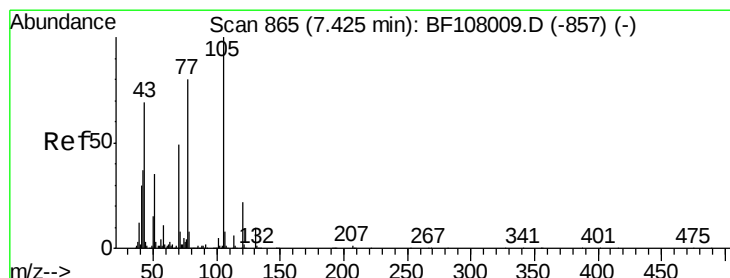
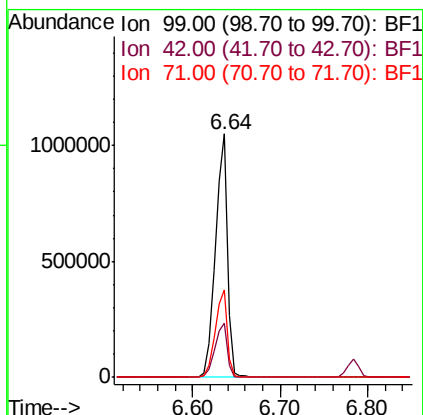
Tgt Ion: 99 Resp: 1003707

Ion Ratio Lower Upper

99 100

42 22.5 14.5 21.7#

71 35.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.924 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Tgt Ion: 70 Resp: 89043

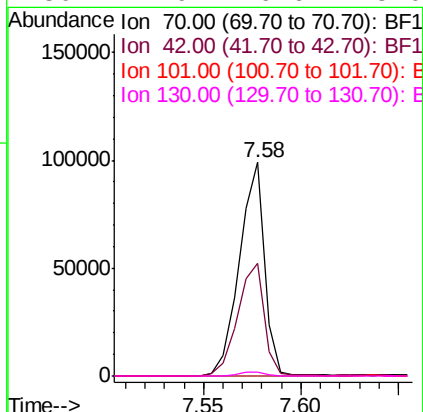
Ion Ratio Lower Upper

70 100

42 52.8 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-TOP-SOIL

Tgt Ion:136 Resp: 639548

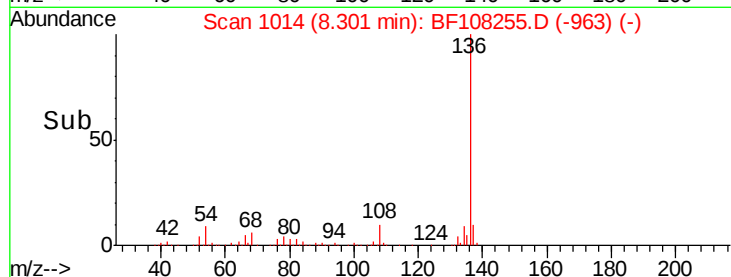
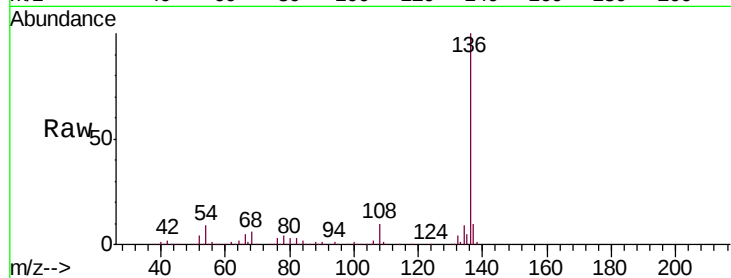
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 8.9 6.6 9.8

68 5.6 5.0 7.4

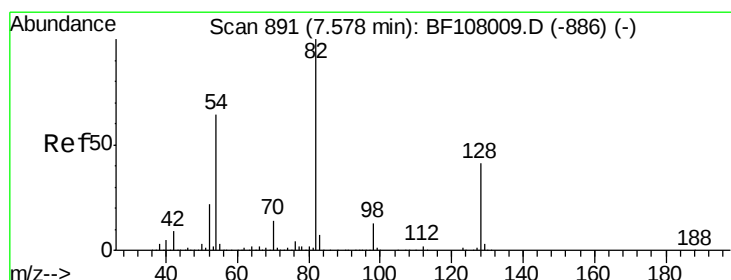
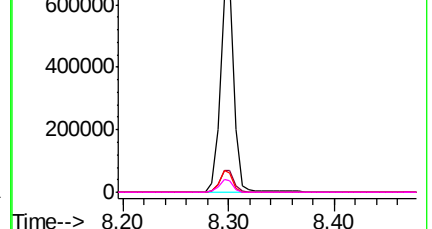


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.744 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

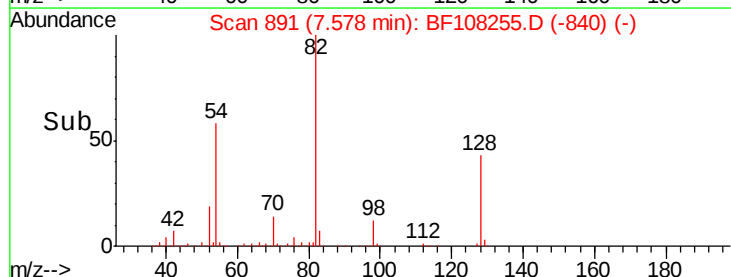
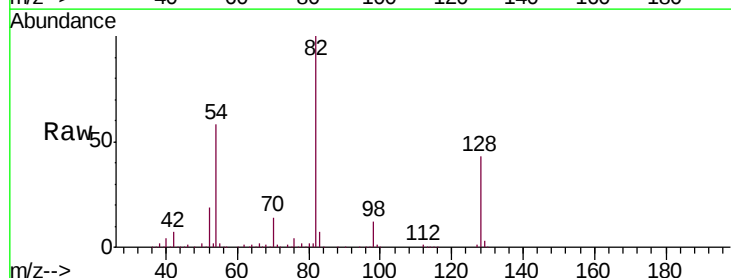
Tgt Ion: 82 Resp: 661810

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

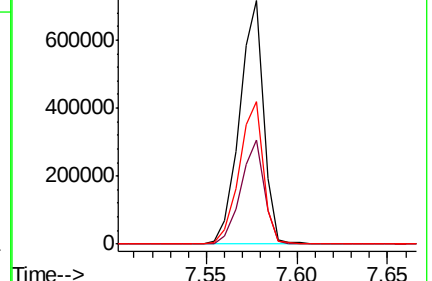
54 58.4 41.4 62.2



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: 30.295 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108255.D

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CARLSTADT-TOP-SOIL

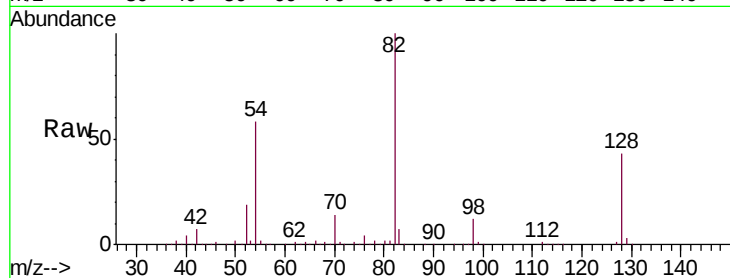
Tgt Ion: 82 Resp: 661800

Ion Ratio Lower Upper

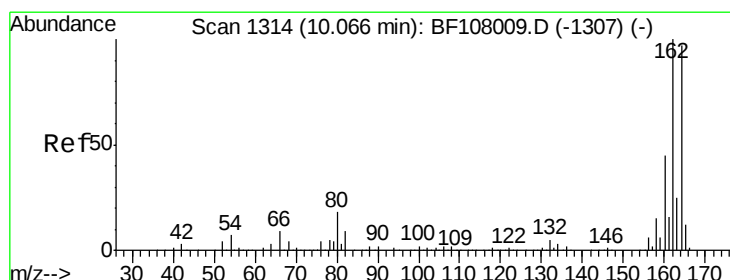
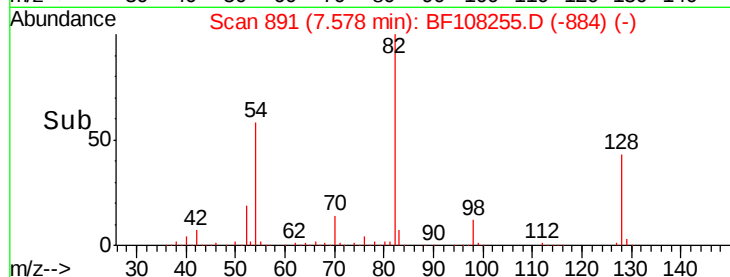
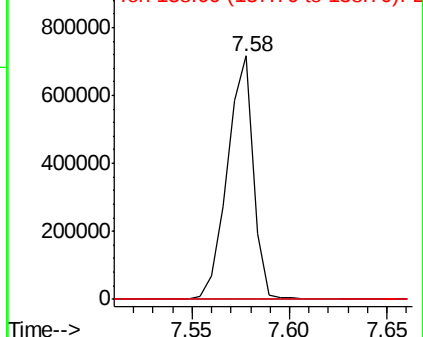
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

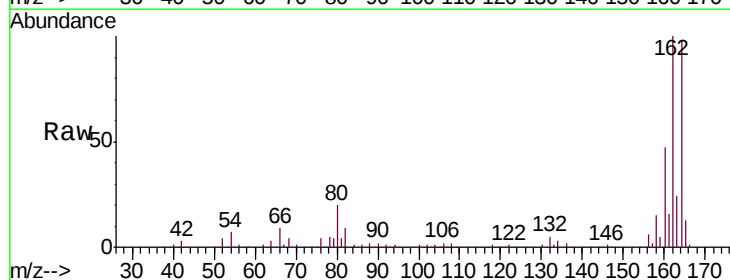
Tgt Ion: 164 Resp: 313723

Ion Ratio Lower Upper

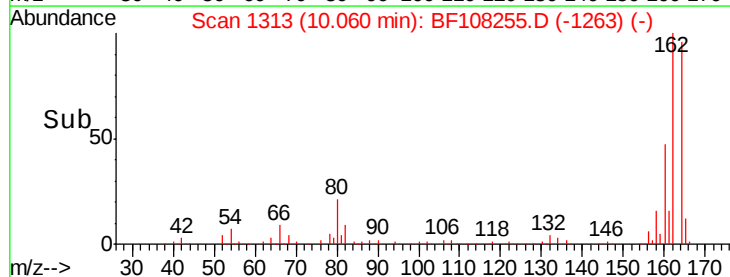
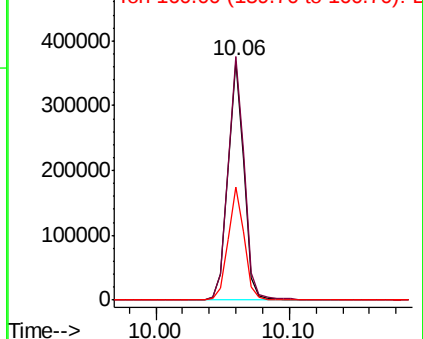
164 100

162 102.0 86.1 129.1

160 47.6 38.3 57.5



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

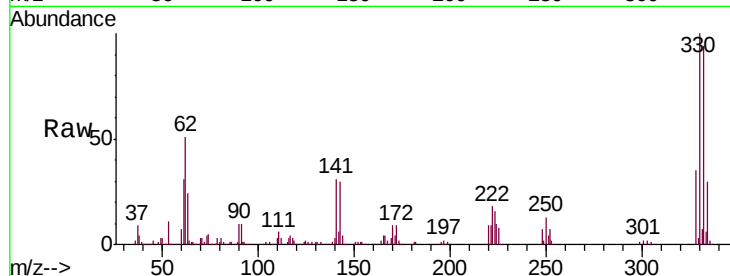




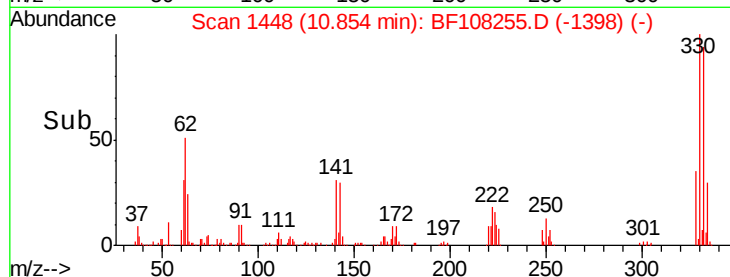
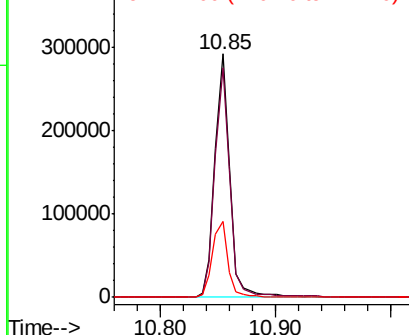
#41
 2,4,6-Tribromophenol
 Concen: 84.537 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108255.D
 Acq: 17 Aug 2018 20:47

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOP-SOIL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	32.8	29.9	44.9

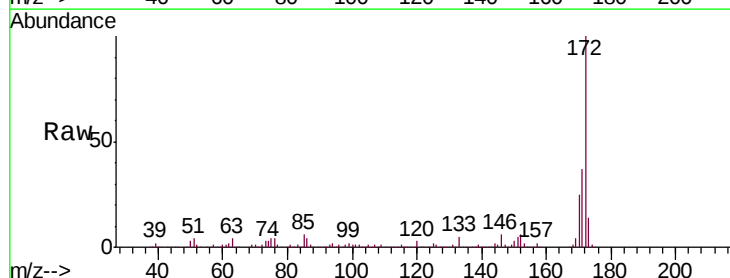


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

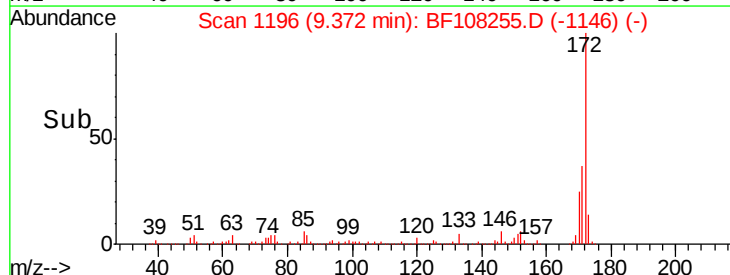
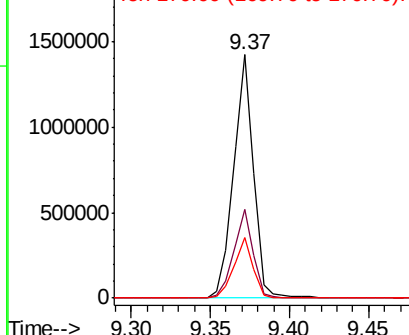


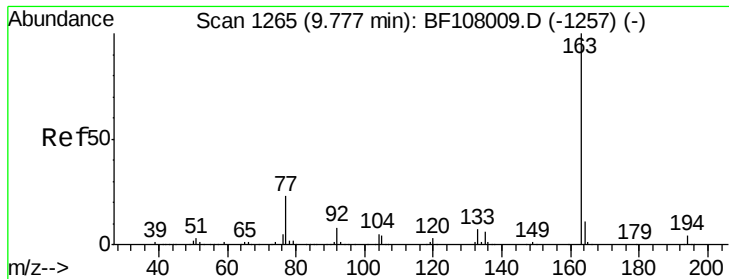
#44
 2-Fluorobiphenyl
 Concen: 63.789 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108255.D
 Acq: 17 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	25.0	19.6	29.4



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

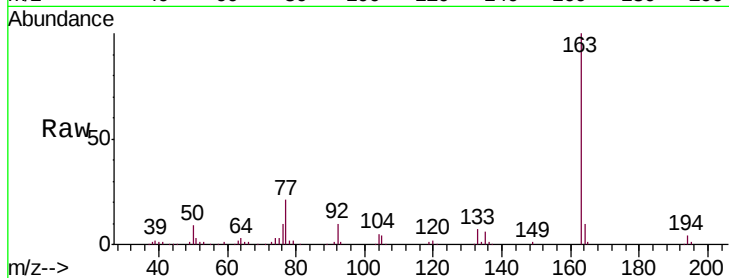




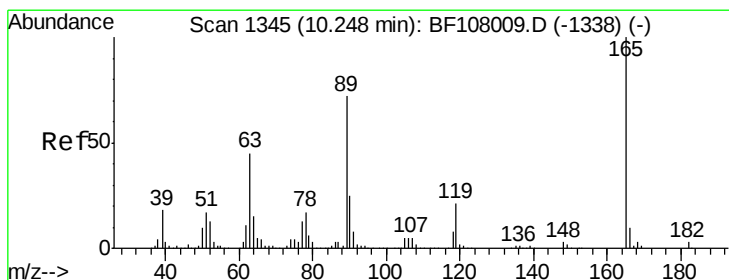
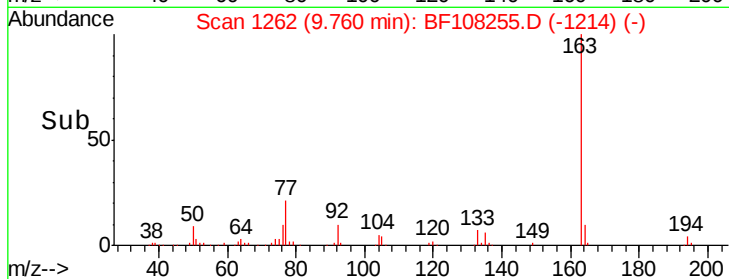
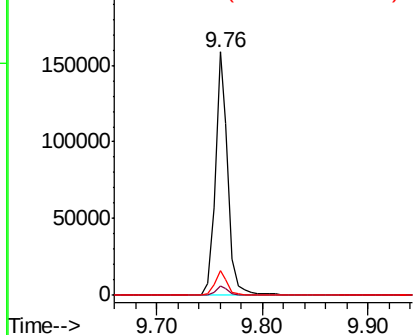
#49
Dimethylphthalate
Concen: 6.143 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

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Tgt Ion:163 Resp: 134245
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.3 8.2 12.2

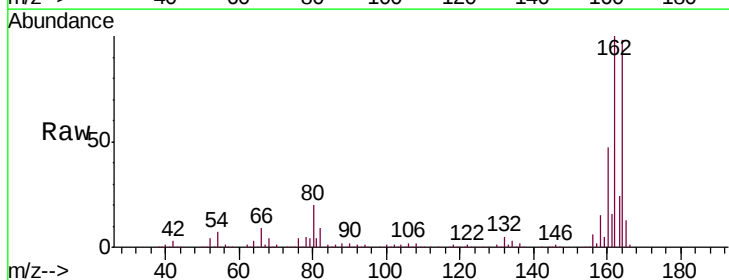


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

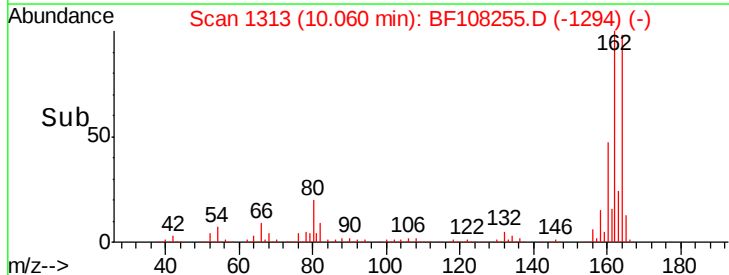
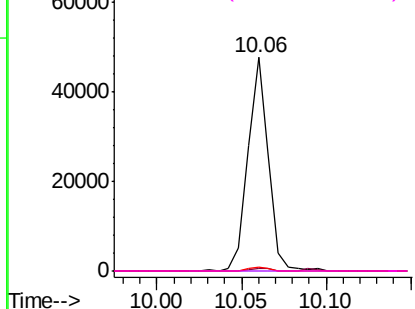


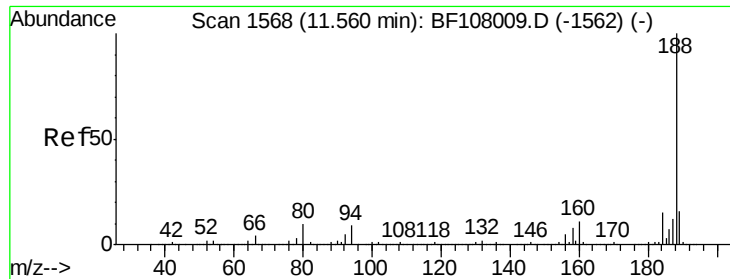
#56
2,4-Dinitrotoluene
Concen: 6.866 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Tgt Ion:165 Resp: 40408
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#



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

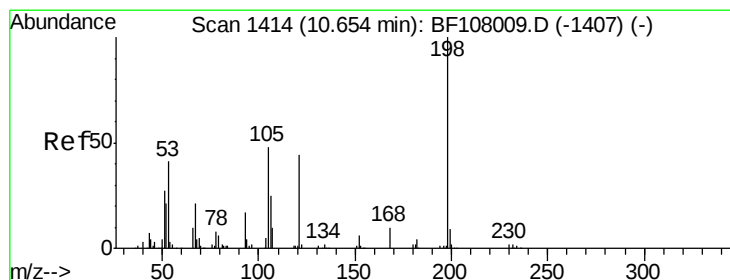
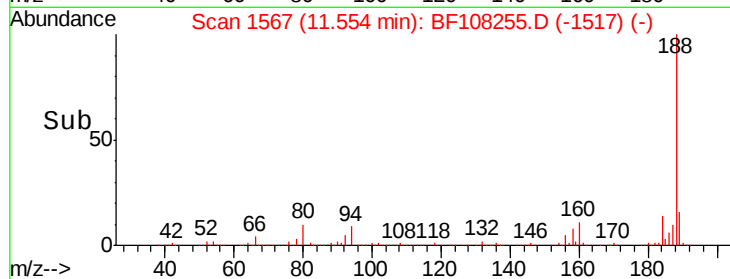
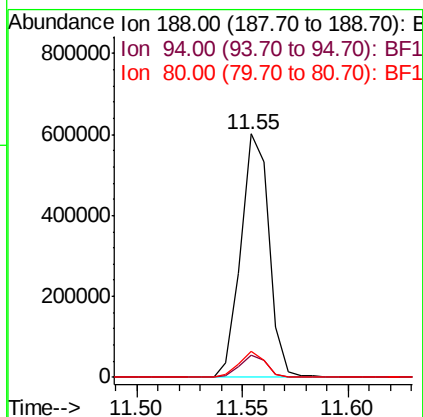
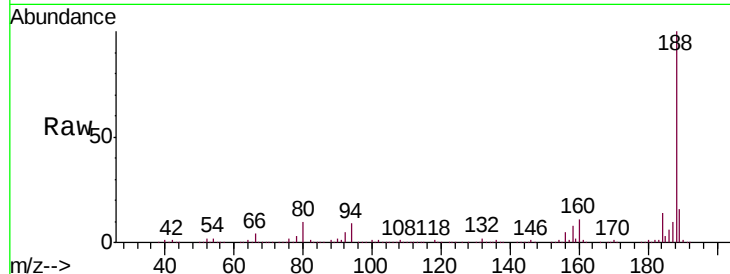




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108255.D
 Acq: 17 Aug 2018 20:47

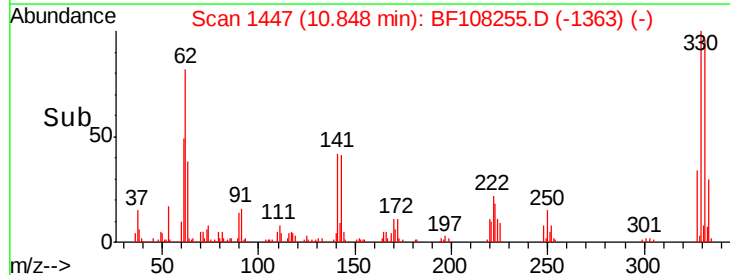
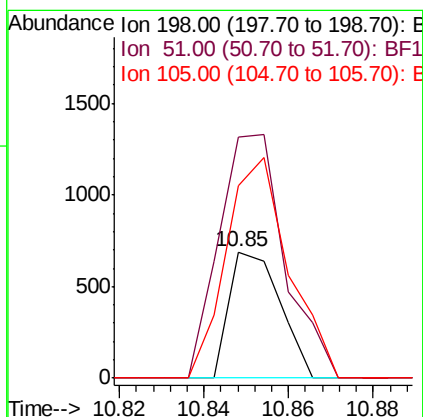
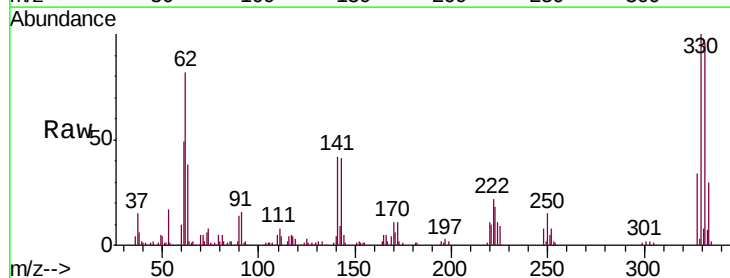
Instrument :
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 CARLSTADT-TOP-SOIL

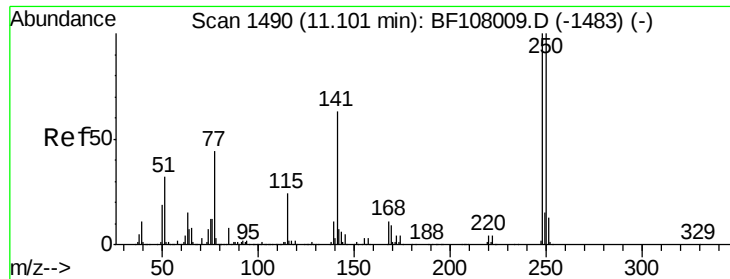
Tgt Ion:188 Resp: 556990
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 10.4 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.603 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.20 min
 Lab File: BF108255.D
 Acq: 17 Aug 2018 20:47

Tgt Ion:198 Resp: 576
 Ion Ratio Lower Upper
 198 100
 51 191.6 37.7 77.7#
 105 152.8 36.3 76.3#

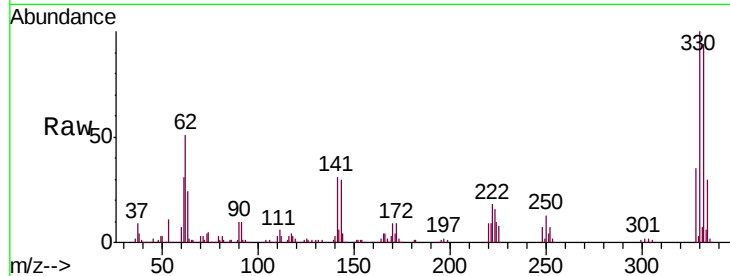




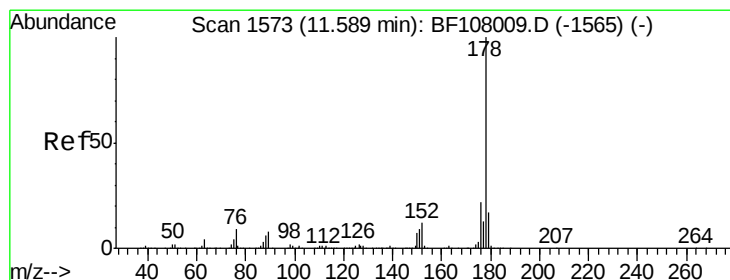
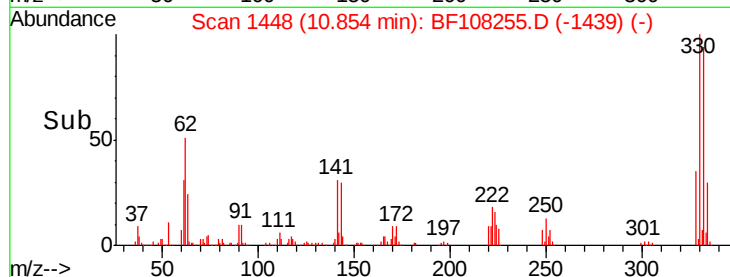
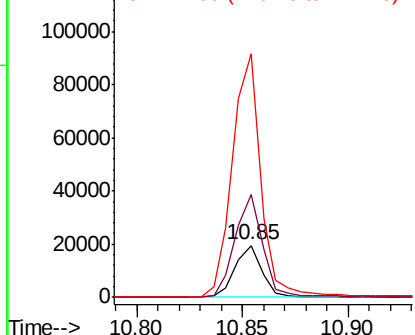
#66
 4-Bromophenyl-phenylether
 Concen: 2.879 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108255.D
 Acq: 17 Aug 2018 20:47

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOP-SOIL

Tgt Ion: 248 Resp: 17427
 Ion Ratio Lower Upper
 248 100
 250 198.0 76.9 115.3#
 141 468.9 74.4 111.6#

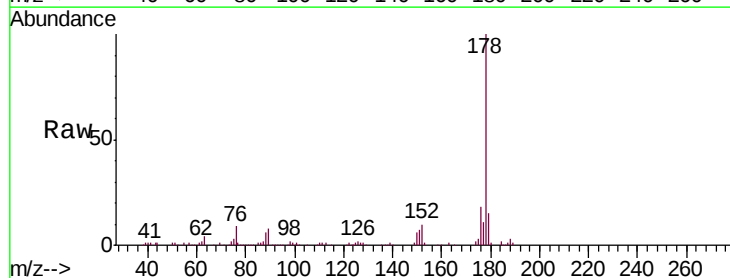


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

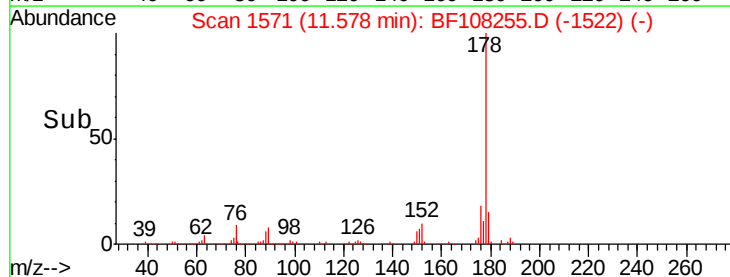
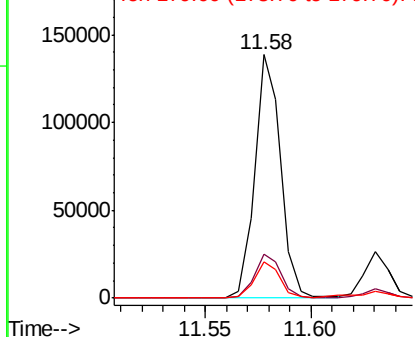


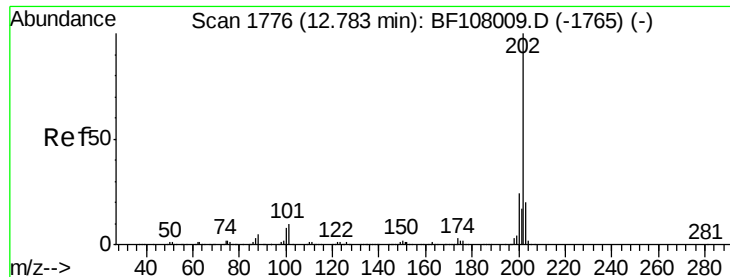
#70
 Phenanthrene
 Concen: 4.514 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF108255.D
 Acq: 17 Aug 2018 20:47

Tgt Ion: 178 Resp: 118590
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.8
 179 15.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.787 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

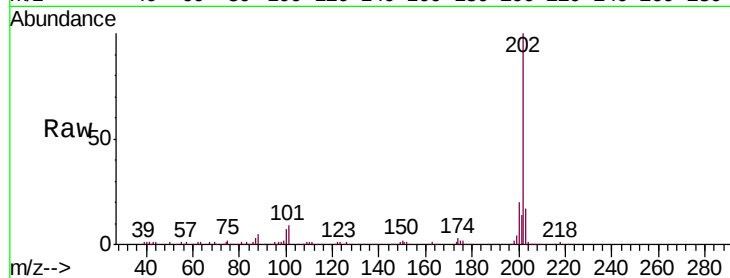
Instrument :

BNA_F

ClientSampleId :

CARLSTADT-TOP-SOIL

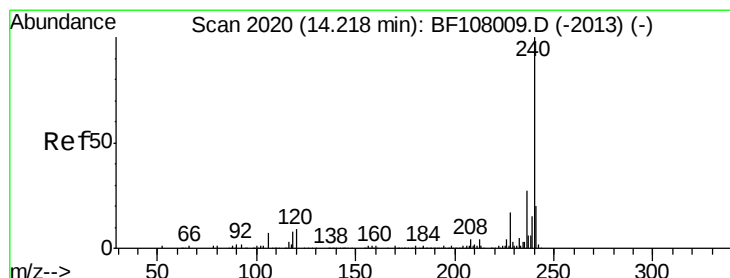
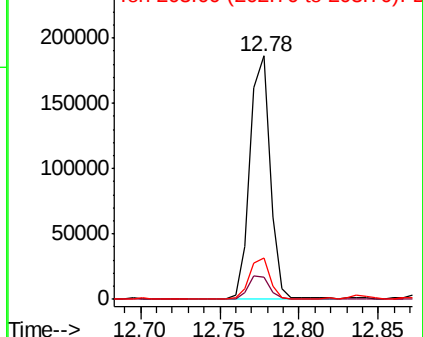
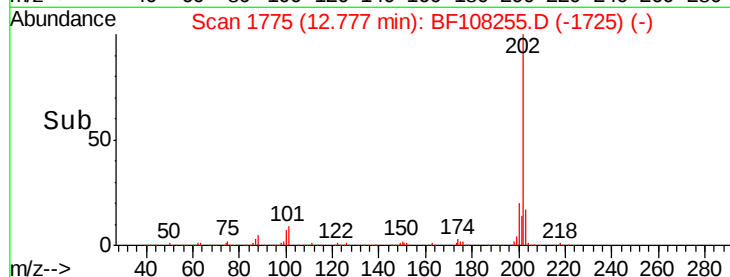
Tgt Ion:	202	Resp:	165917
Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	34.1
203	16.8	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

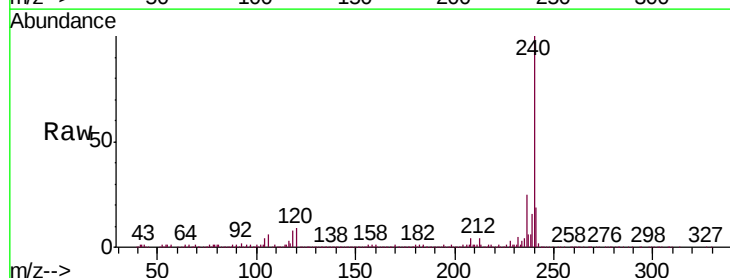
RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

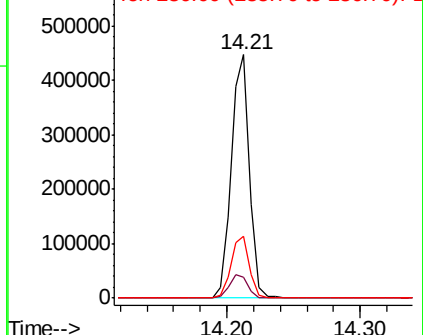
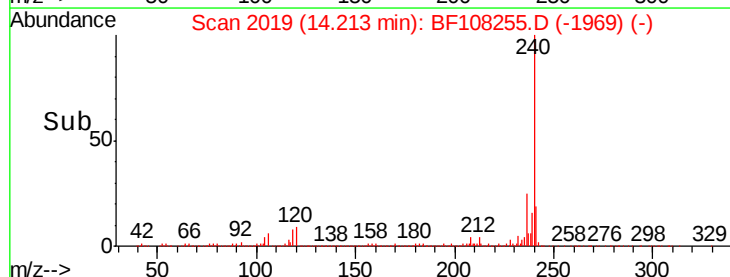
Tgt Ion:	240	Resp:	427466
Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	25.4	20.7	31.1

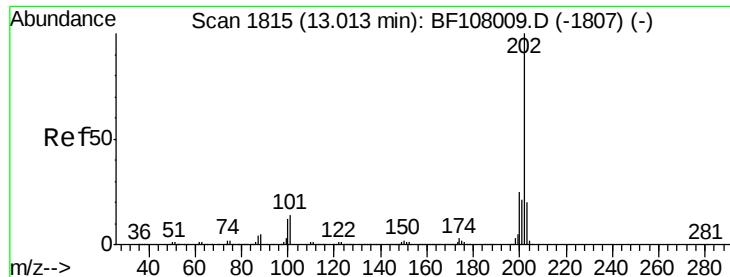


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

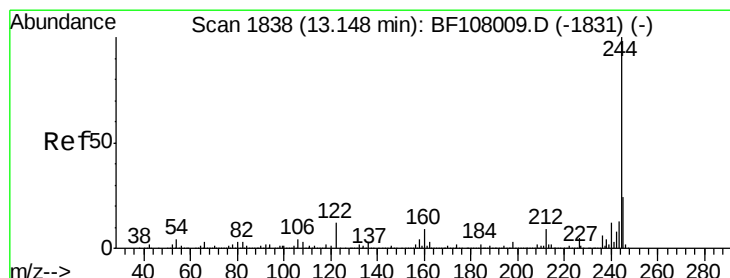
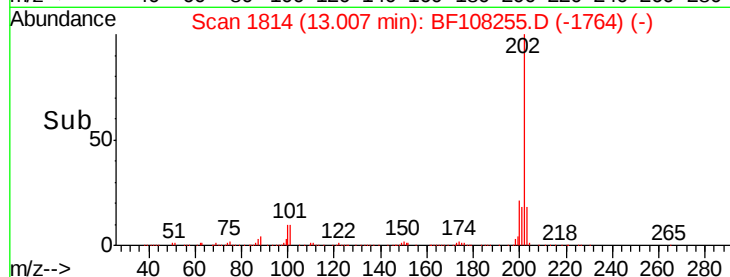
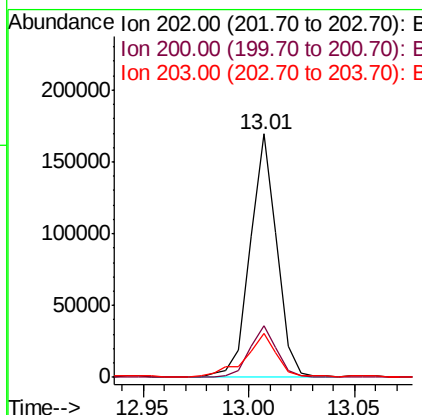
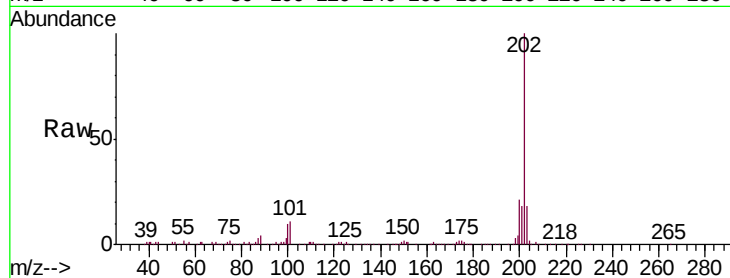




#77
 Pyrene
 Concen: 5.474 ng
 RT: 13.01 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF108255.D
 Acq: 17 Aug 2018 20:47

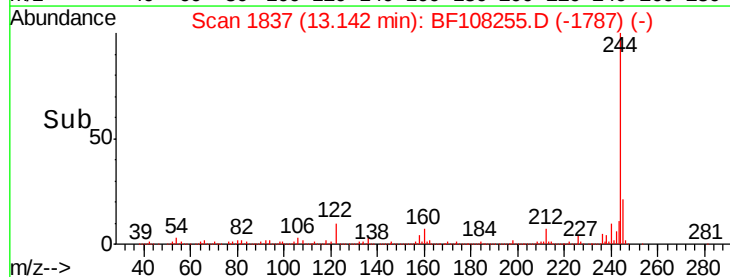
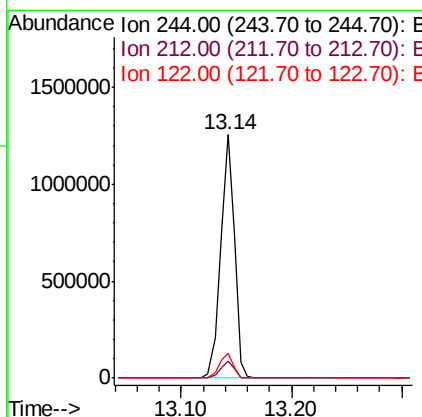
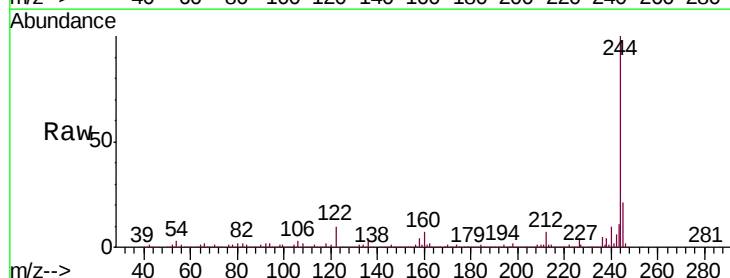
Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOP-SOIL

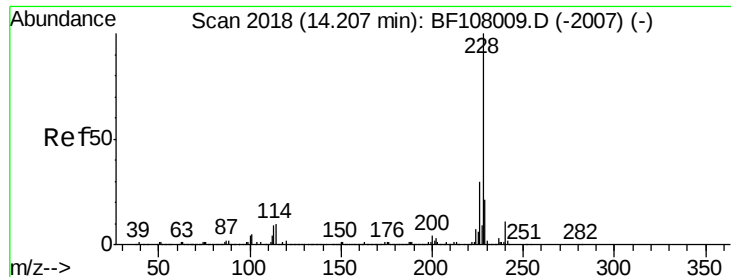
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.9	14.3	21.5



#78
 Terphenyl-d14
 Concen: 64.980 ng
 RT: 13.14 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF108255.D
 Acq: 17 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	9.9	11.0	16.4

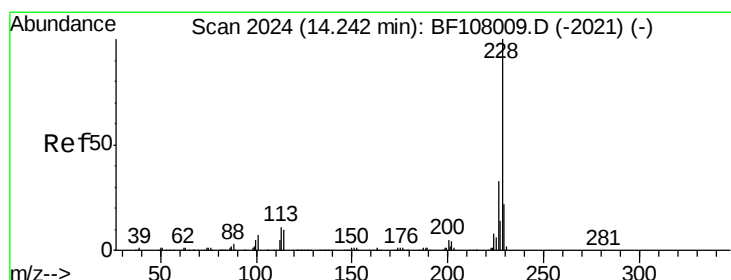
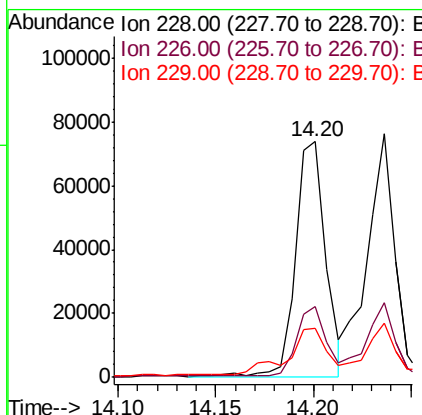
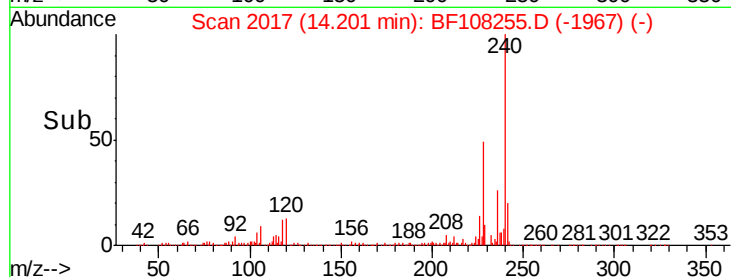
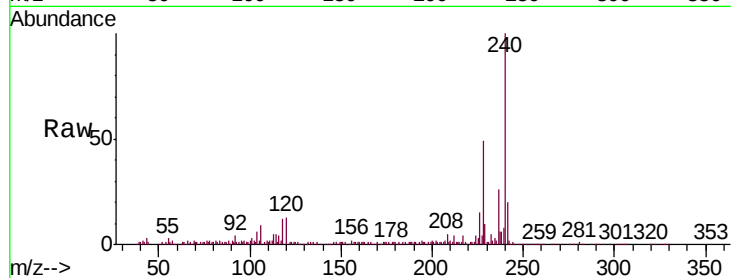




#80
Benzo(a)anthracene
Concen: 3.177 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

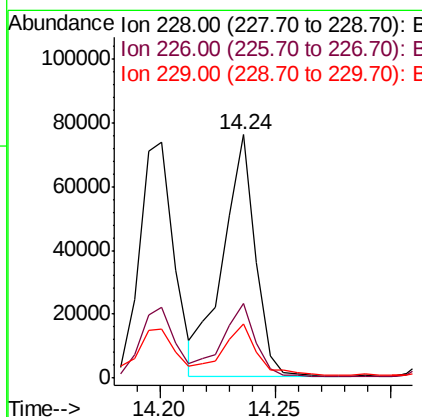
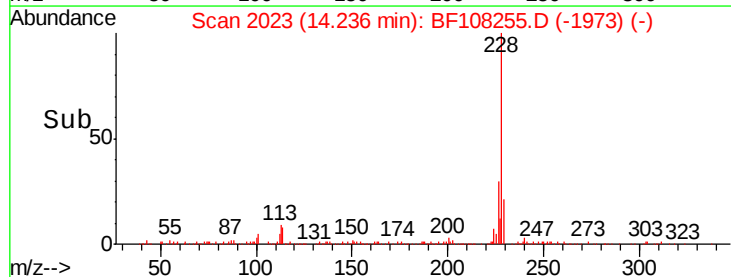
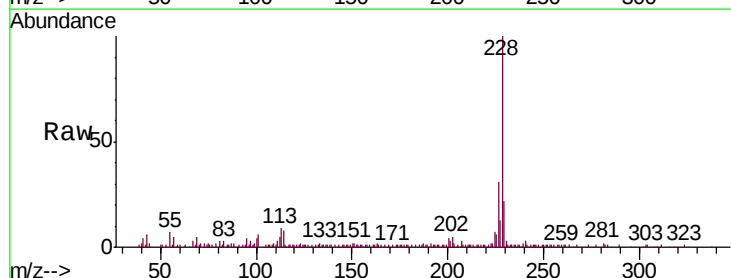
Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOP-SOIL

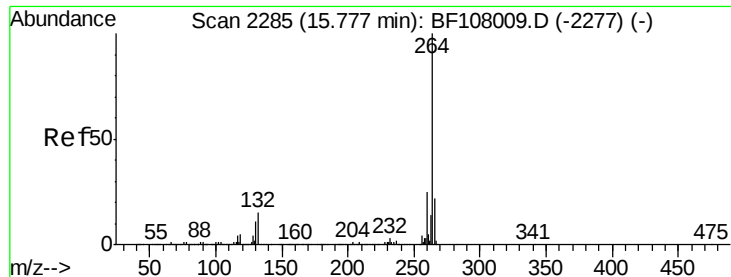
Tgt Ion:228 Resp: 77936
Ion Ratio Lower Upper
228 100
226 30.0 22.6 33.8
229 20.6 15.8 23.6



#82
Chrysene
Concen: 3.323 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Tgt Ion:228 Resp: 74728
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 22.4 16.2 24.4



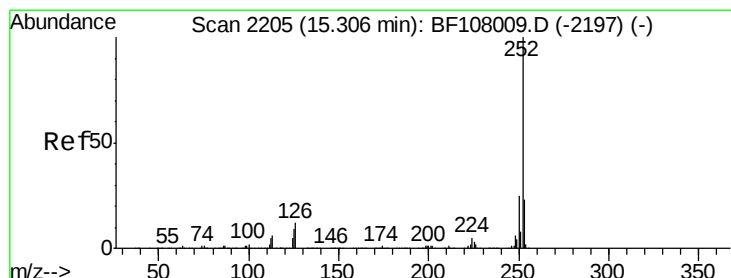
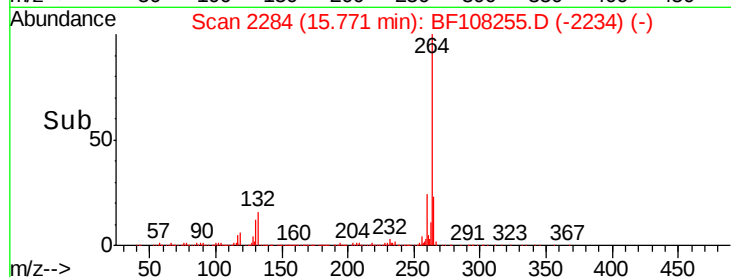
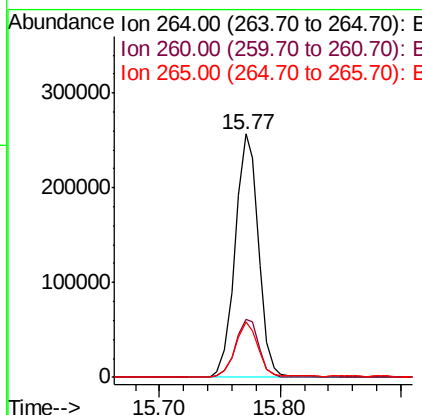
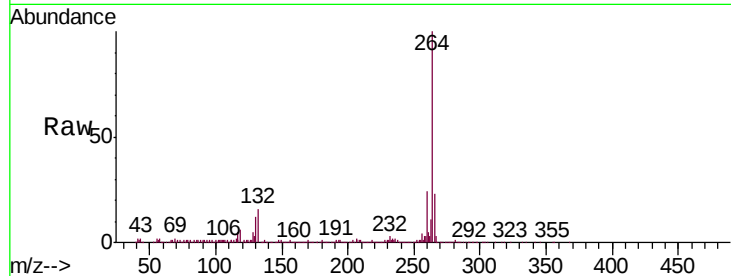


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOP-SOIL

Tgt Ion: 264 Resp: 347529

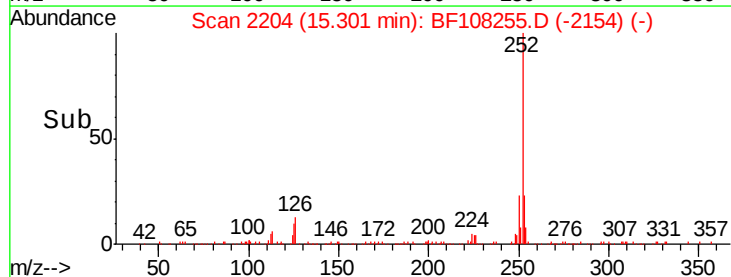
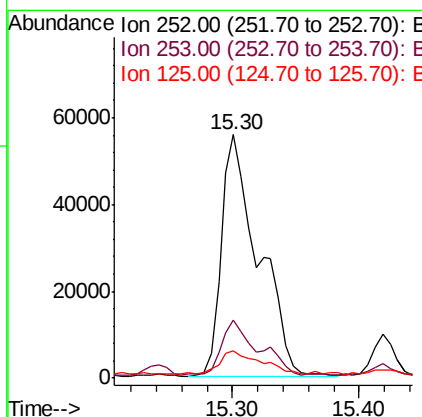
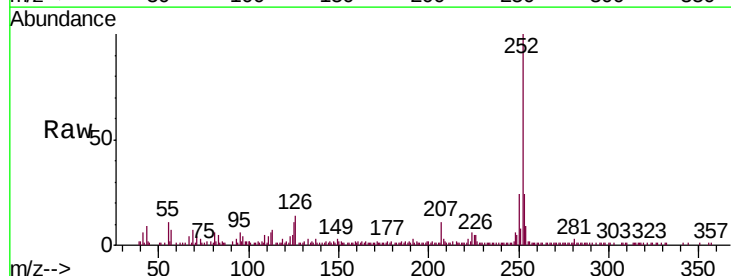
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.0	17.5	26.3

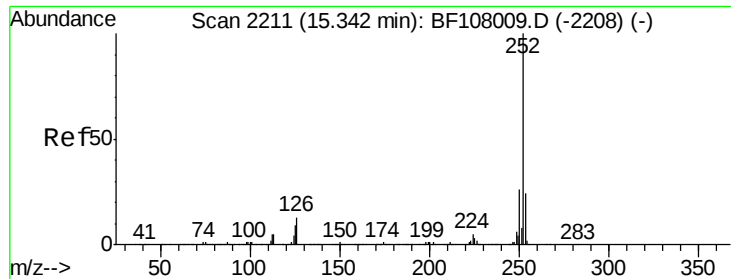


#87
Benzo(b)fluoranthene
Concen: 5.454 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Tgt Ion: 252 Resp: 113253

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	11.4	9.0	13.6

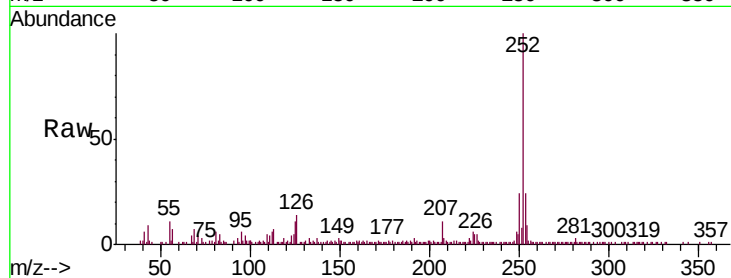




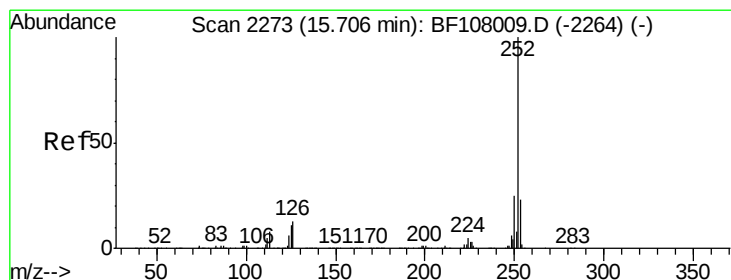
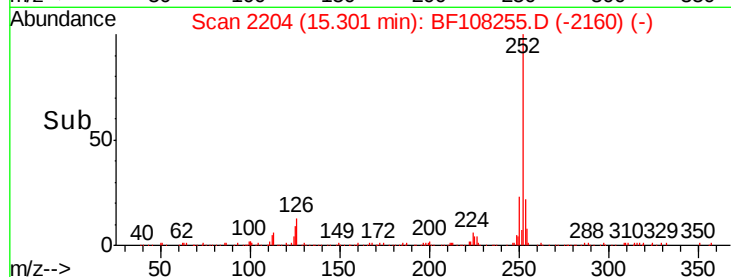
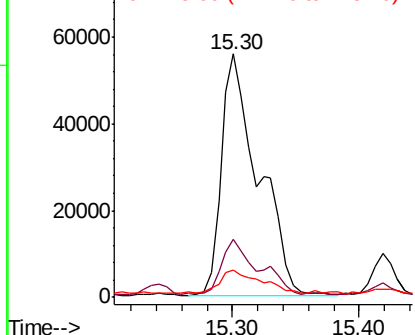
#88
Benzo(k)fluoranthene
Concen: 5.933 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOP-SOIL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	11.4	10.2	15.2

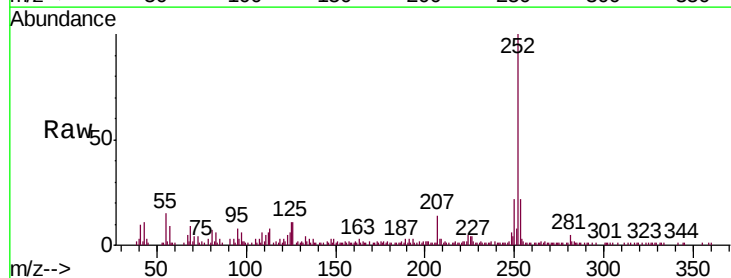


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.829 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	11.3	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

