

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092818\
 Data File : BF109437.D
 Acq On : 28 Sep 2018 18:32
 Operator : JU/SJ
 Sample : J5077-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-190-092418-1

Quant Time: Sep 29 02:11:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

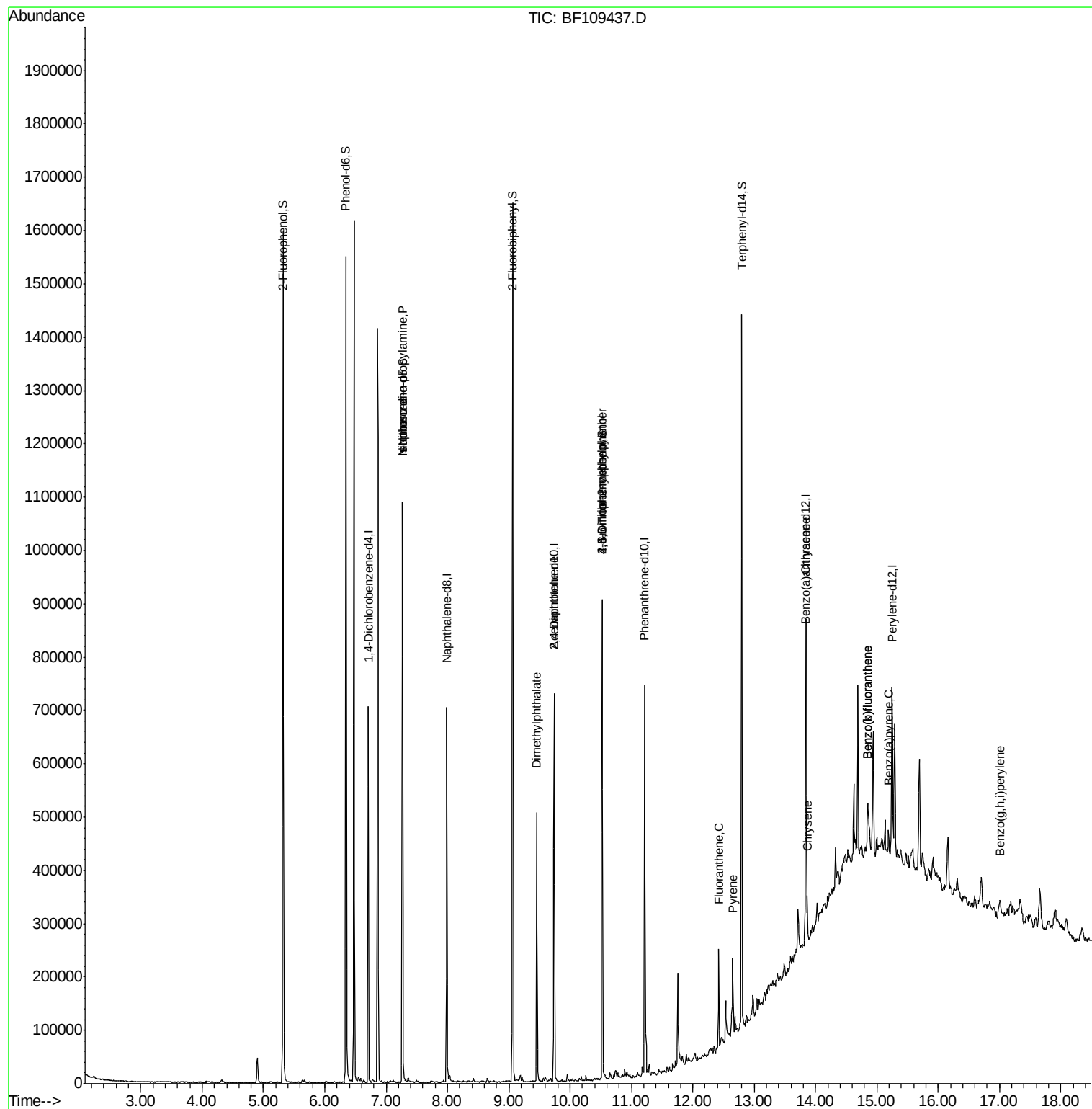
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	99506	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	329610	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	129790	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	241265	20.00	ng	0.00
75) Chrysene-d12	13.84	240	191376	20.00	ng	0.00
86) Perylene-d12	15.25	264	141289	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	439941	72.82	ng	0.00
7) Phenol-d6	6.35	99	535479	69.46	ng	-0.01
23) Nitrobenzene-d5	7.27	82	322883	57.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	99023	77.39	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	461634	53.64	ng	-0.01
78) Terphenyl-d14	12.80	244	412767	52.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	42577	8.429	ng	# 76
25) Isophorone	7.27	82	282832	28.129	ng	# 64
49) Dimethylphthalate	9.46	163	181746	19.253	ng	# 99
56) 2,4-Dinitrotoluene	9.74	165	16387	6.927	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	116	6.623	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	5915	2.208	ng	# 1
74) Fluoranthene	12.42	202	66288	5.149	ng	# 98
77) Pyrene	12.65	202	55367	4.037	ng	# 98
80) Benzo(a)anthracene	13.83	228	26943	2.337	ng	# 98
82) Chrysene	13.87	228	33528	2.935	ng	# 94
87) Benzo(b)fluoranthene	14.85	252	50031	6.444	ng	# 79
88) Benzo(k)fluoranthene	14.85	252	50031	6.791	ng	# 82
89) Benzo(a)pyrene	15.19	252	22165	3.168	ng	# 80
91) Benzo(g,h,i)perylene	17.01	276	17365	3.079	ng	# 88

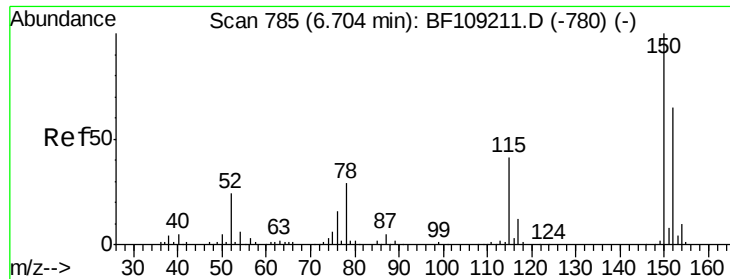
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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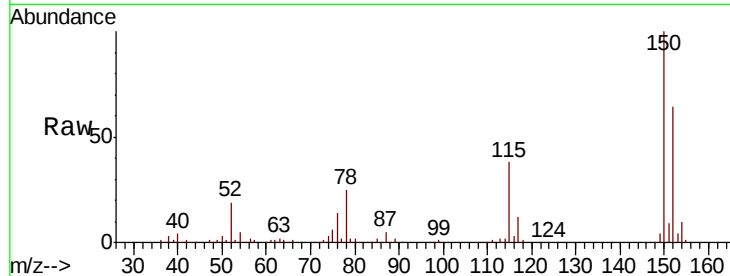




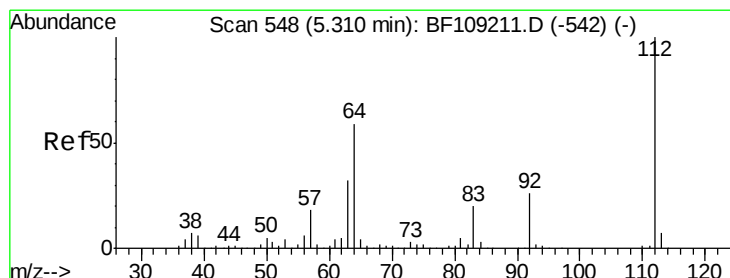
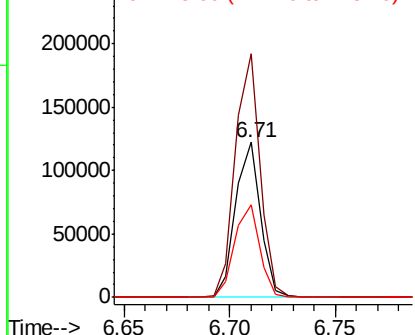
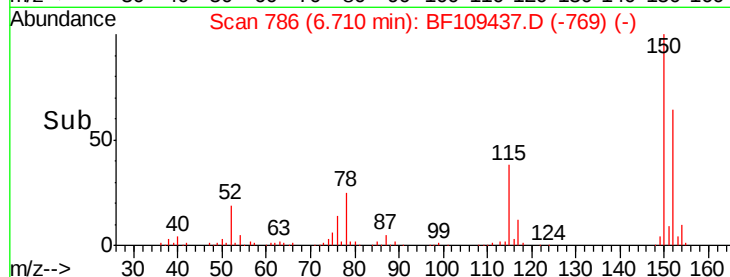
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109437.D
 Acq: 28 Sep 2018 18:32

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-190-092418-1

Tgt Ion:152 Resp: 99506
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.6 186.8
 115 59.6 50.1 75.1

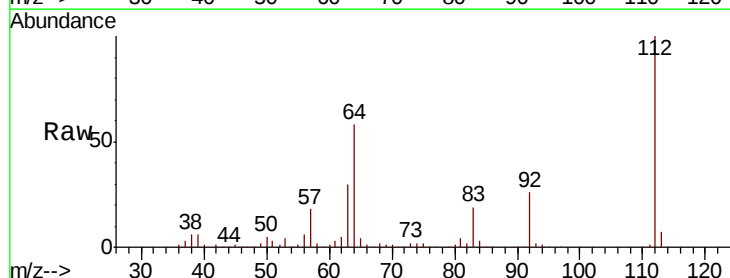


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

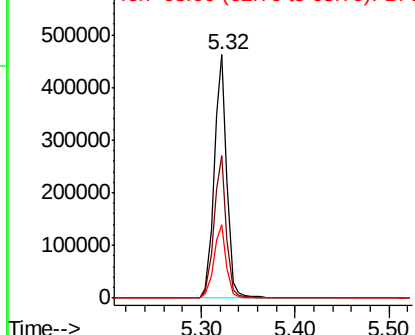
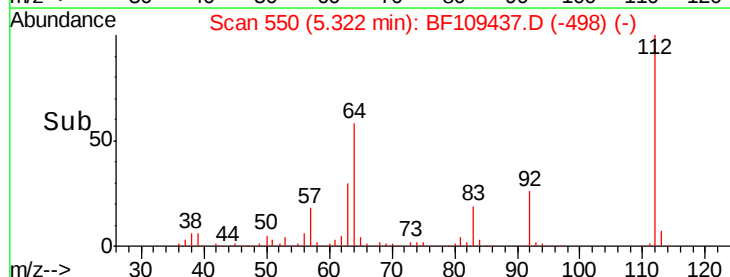


#5
 2-Fluorophenol
 Concen: 72.821 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF109437.D
 Acq: 28 Sep 2018 18:32

Tgt Ion:112 Resp: 439941
 Ion Ratio Lower Upper
 112 100
 64 58.4 47.9 71.9
 63 30.2 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: 69.461 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109437.D

Acq: 28 Sep 2018 18:32

Instrument :

BNA_F

ClientSampleId :

PARCEL-190-092418-1

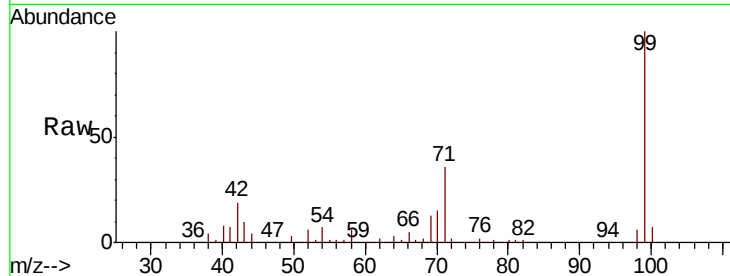
Tgt Ion: 99 Resp: 535479

Ion Ratio Lower Upper

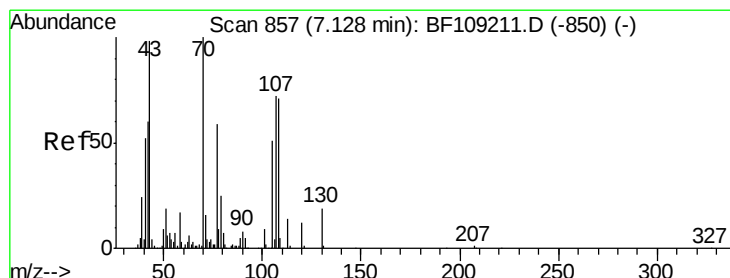
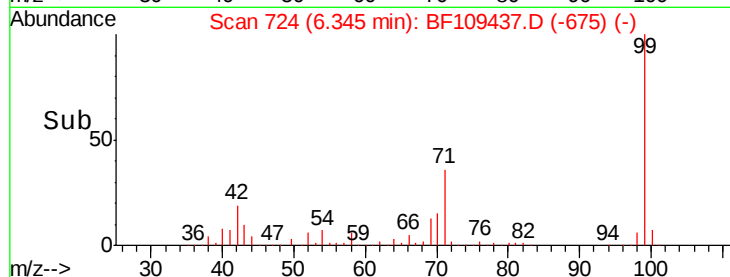
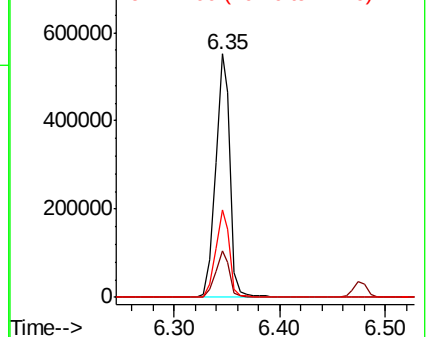
99 100

42 19.3 14.5 21.7

71 35.7 25.4 38.0



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: 8.429 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109437.D

Acq: 28 Sep 2018 18:32

Tgt Ion: 70 Resp: 42577

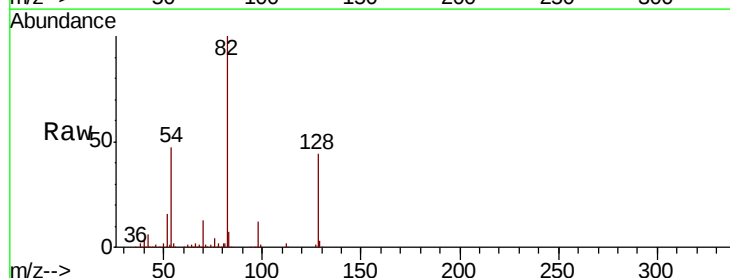
Ion Ratio Lower Upper

70 100

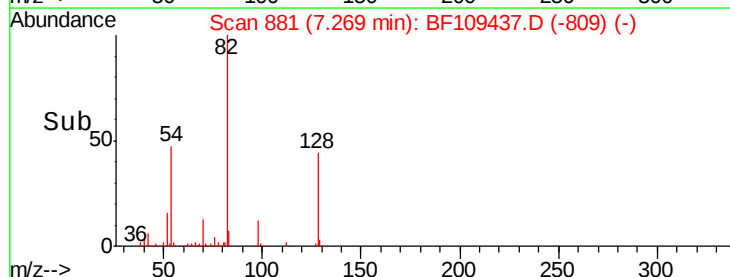
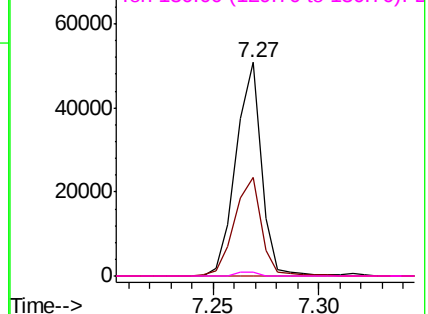
42 46.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



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: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF109437.D

Acq: 28 Sep 2018 18:32

Instrument :

BNA_F

ClientSampleId :

PARCEL-190-092418-1

Tgt Ion: 136 Resp: 329610

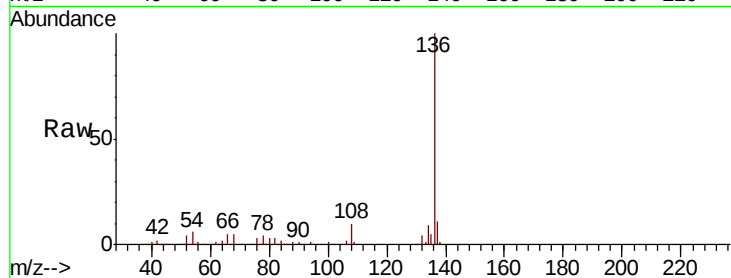
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.4 6.6 9.8#

68 5.2 5.0 7.4

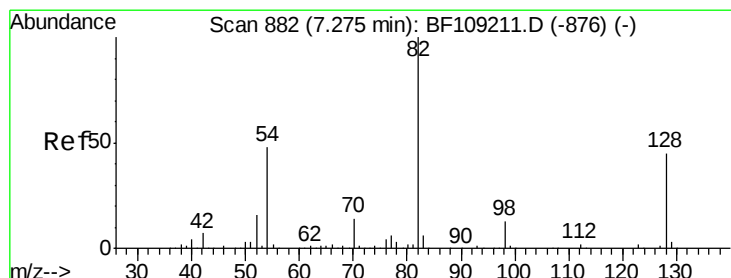
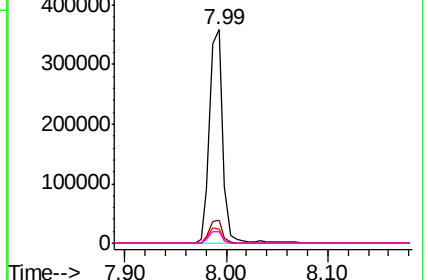
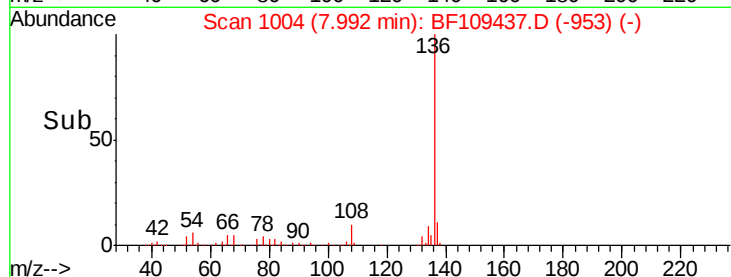


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.827 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109437.D

Acq: 28 Sep 2018 18:32

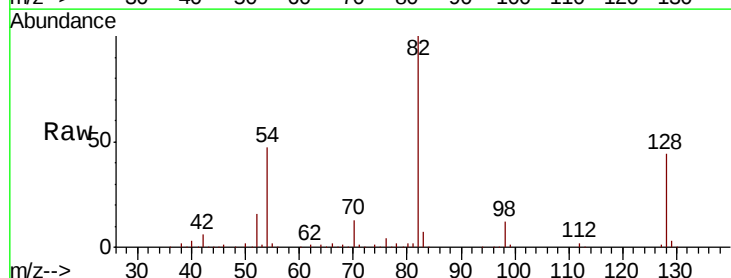
Tgt Ion: 82 Resp: 322883

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

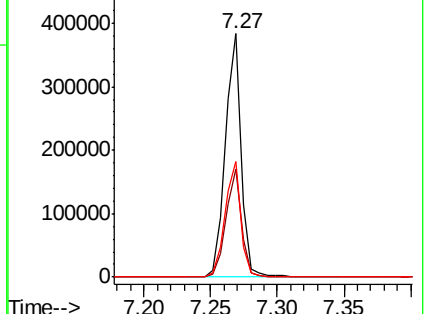
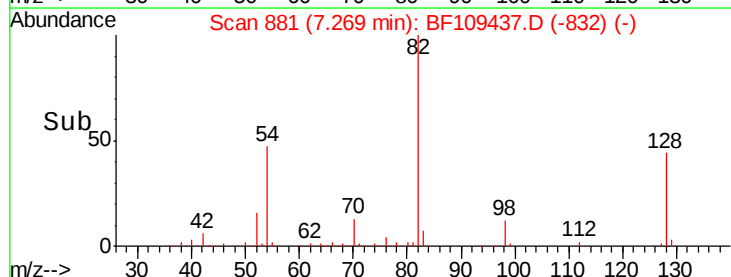
54 47.3 41.4 62.2

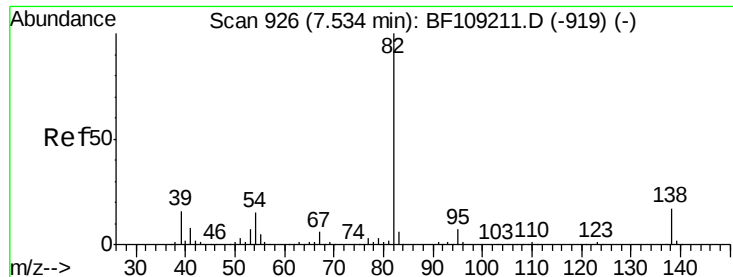


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

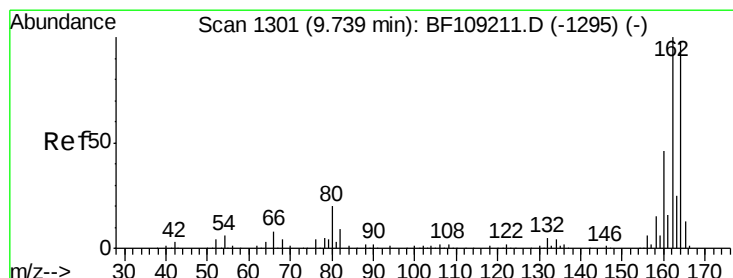
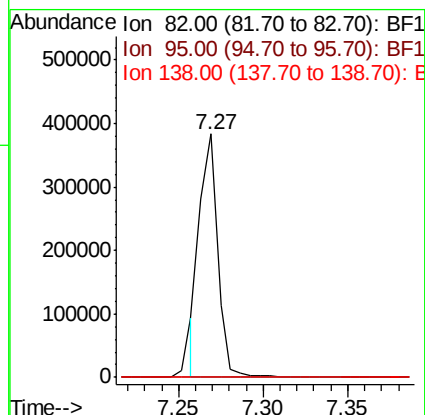
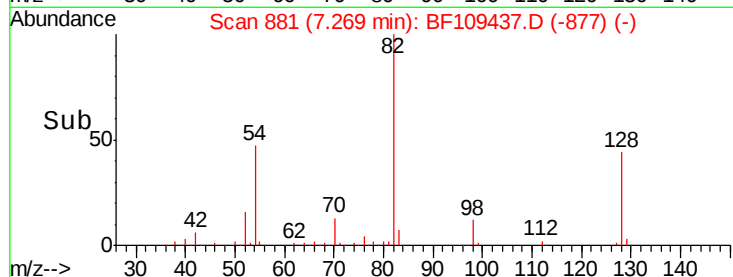
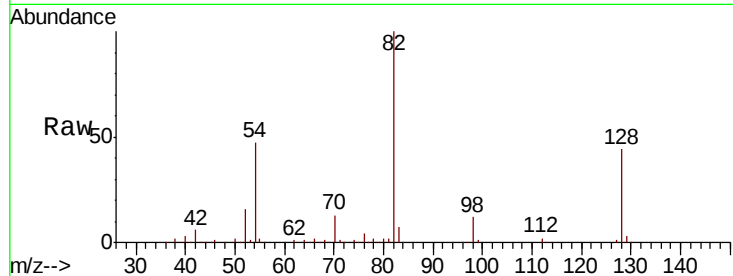




#25
Isophorone
Concen: 28.129 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

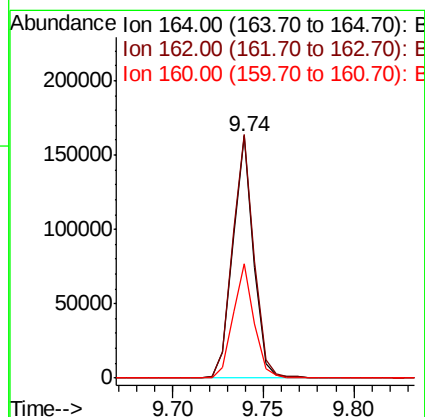
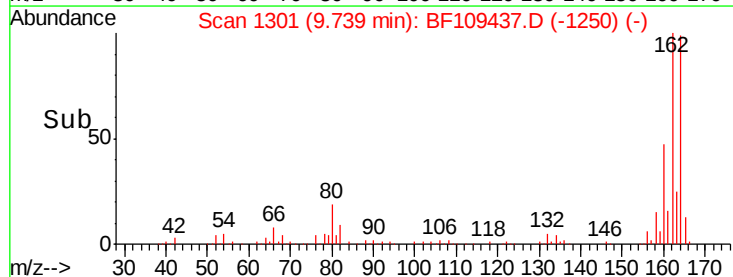
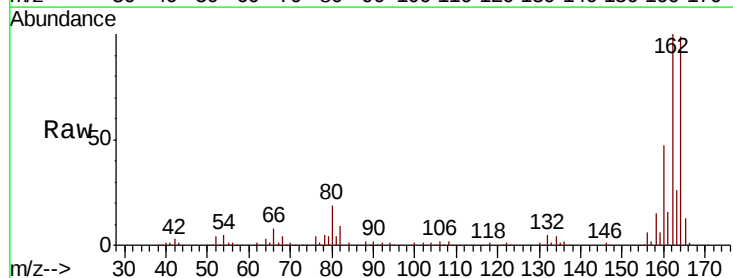
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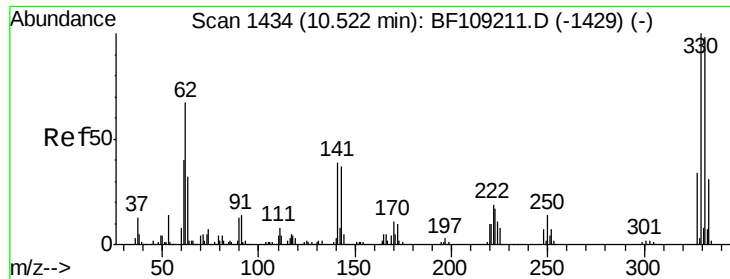
Tgt Ion: 82 Resp: 282832
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

Tgt Ion: 164 Resp: 129790
Ion Ratio Lower Upper
164 100
162 100.7 86.1 129.1
160 47.0 38.3 57.5

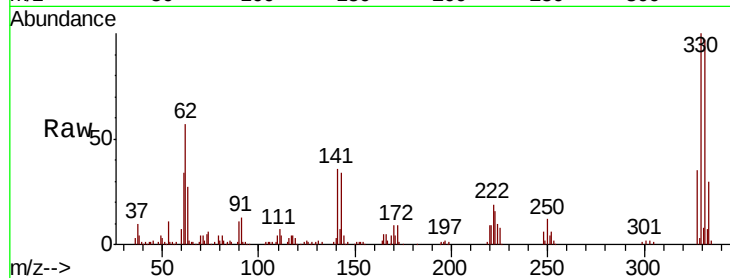




#41
 2,4,6-Tribromophenol
 Concen: 77.394 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109437.D
 Acq: 28 Sep 2018 18:32

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-190-092418-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	32.8	29.9	44.9

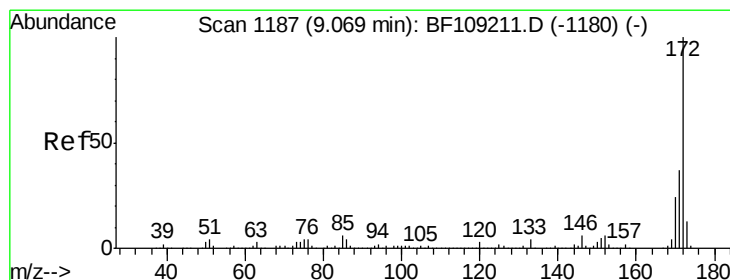
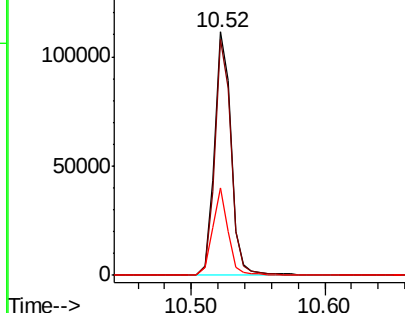
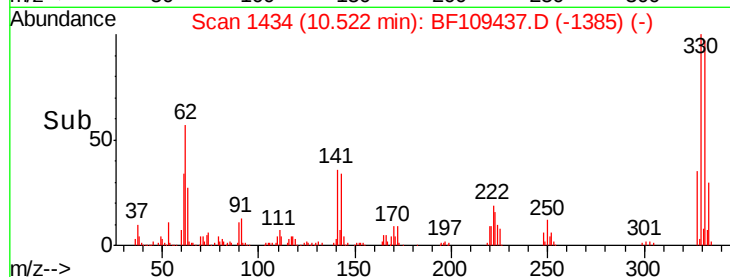


Abundance

Ion 329.80 (329.50 to 330.50): E

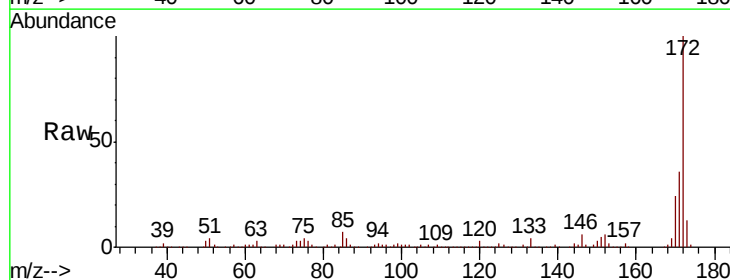
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 53.643 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109437.D
 Acq: 28 Sep 2018 18:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.7	19.6	29.4

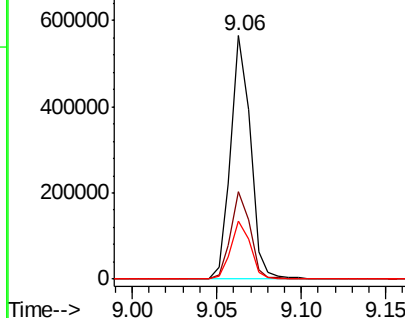
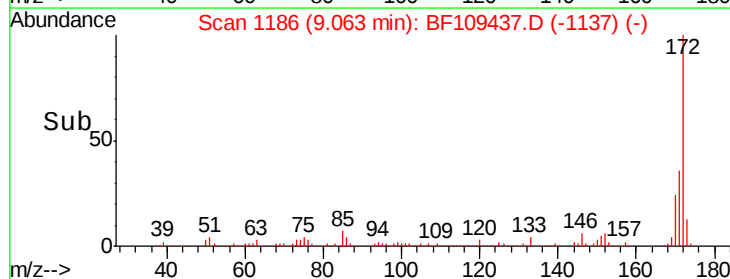


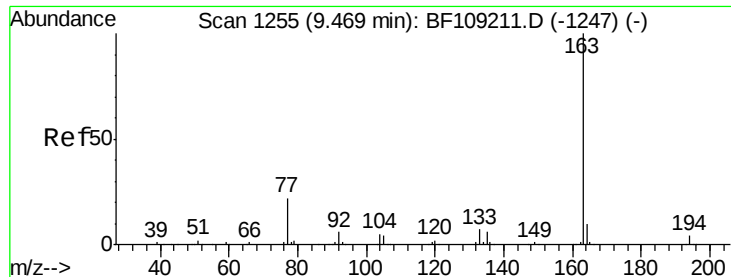
Abundance

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

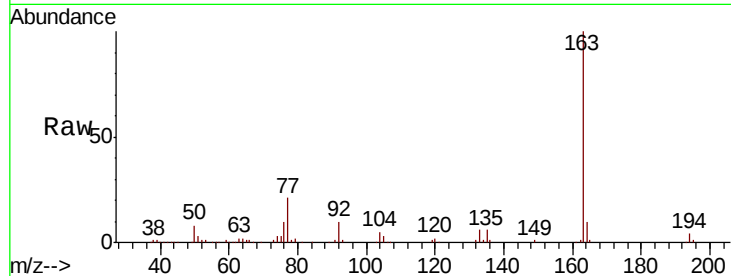




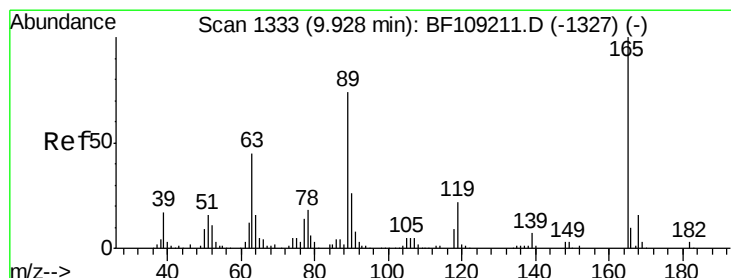
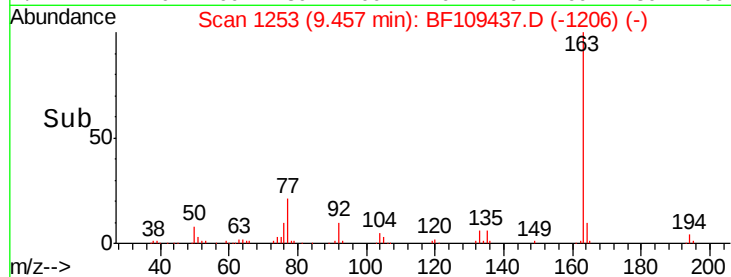
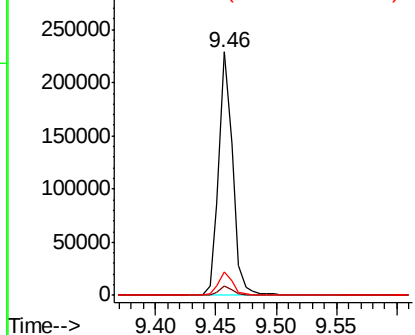
#49
Dimethylphthalate
Concen: 19.253 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

Instrument :
BNA_F
ClientSampleId :
PARCEL-190-092418-1

Tgt Ion:163 Resp: 181746
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.8 8.2 12.2

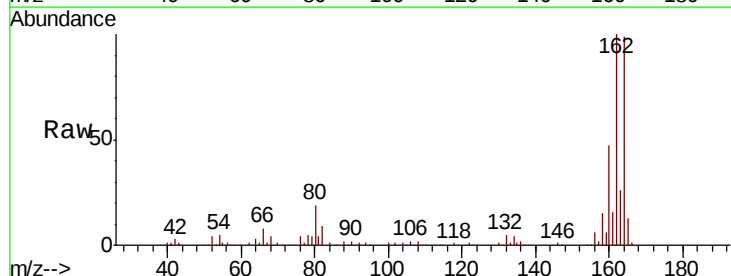


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

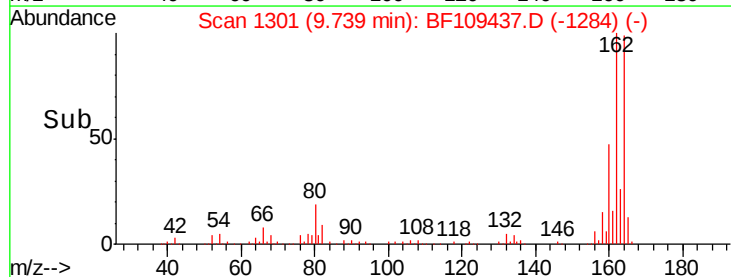
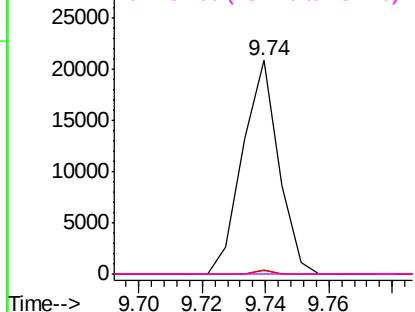


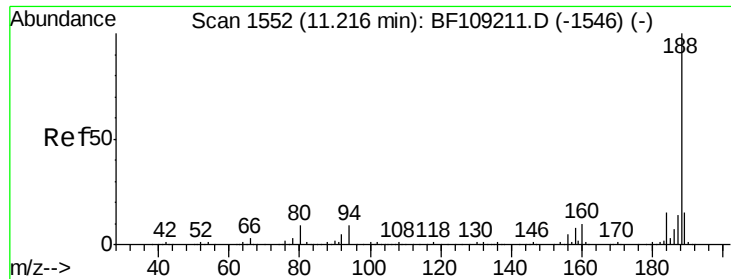
#56
2,4-Dinitrotoluene
Concen: 6.927 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.20 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

Tgt Ion:165 Resp: 16387
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.5 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

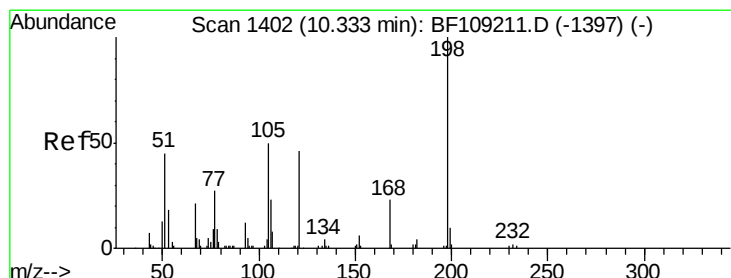
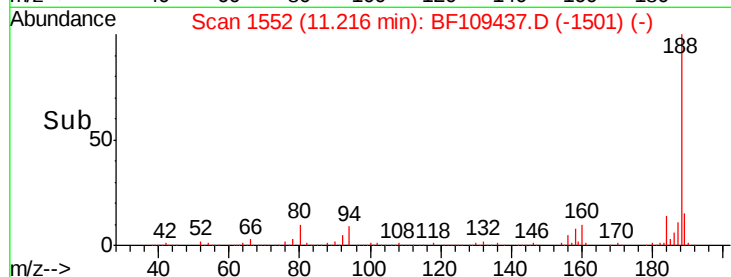
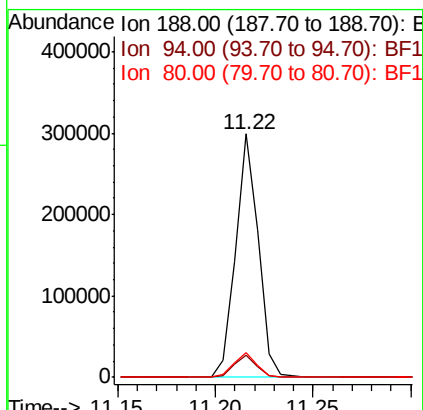
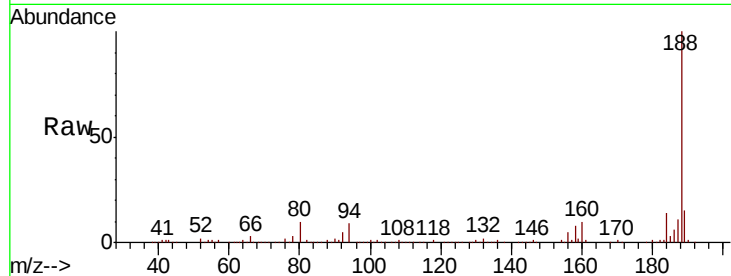




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

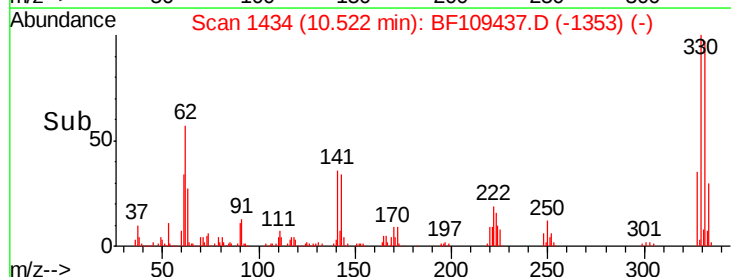
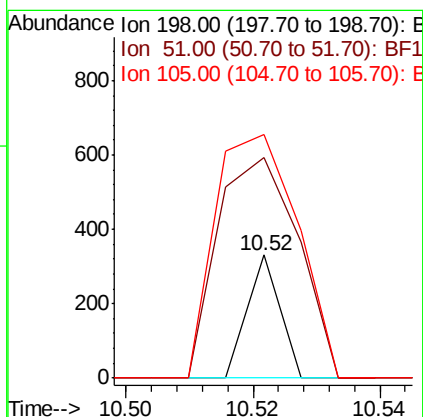
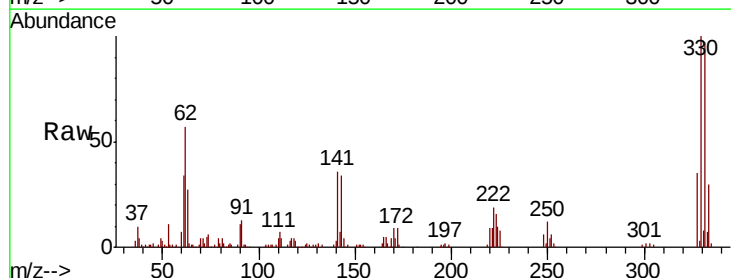
Instrument :
BNA_F
ClientSampleId :
PARCEL-190-092418-1

Tgt Ion:188 Resp: 241265
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 10.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.623 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.18 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

Tgt Ion:198 Resp: 116
Ion Ratio Lower Upper
198 100
51 179.7 37.7 77.7#
105 198.5 36.3 76.3#

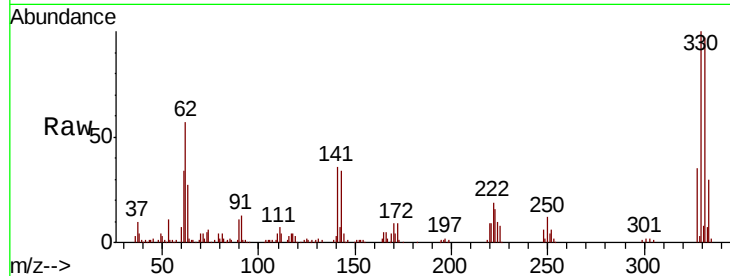




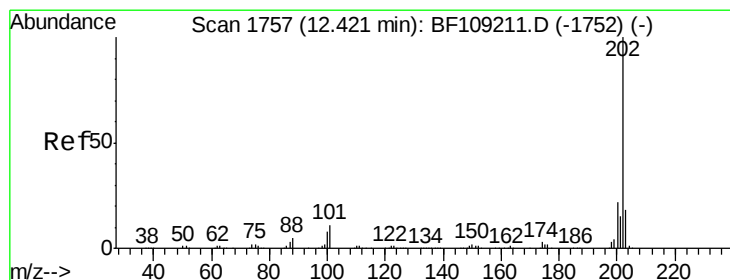
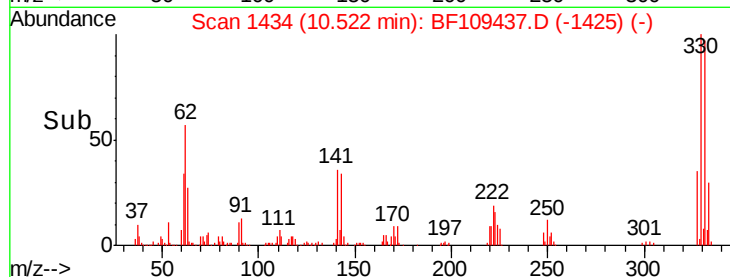
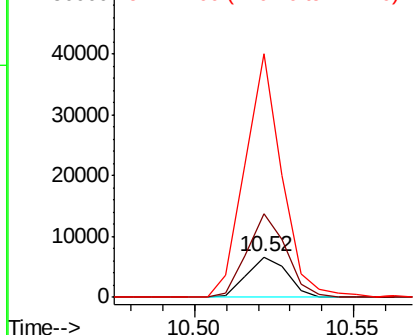
#66
 4-Bromophenyl-phenylether
 Concen: 2.208 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109437.D
 Acq: 28 Sep 2018 18:32

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-190-092418-1

Tgt Ion: 248 Resp: 5915
 Ion Ratio Lower Upper
 248 100
 250 205.6 76.9 115.3#
 141 601.7 74.4 111.6#

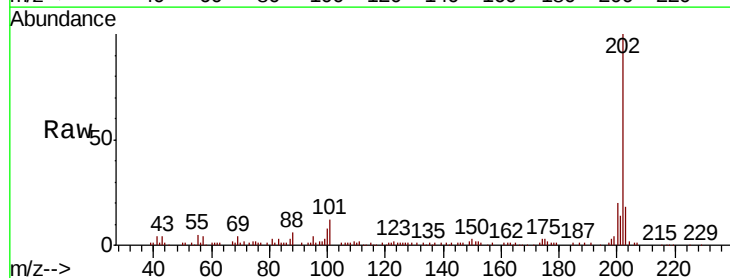


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

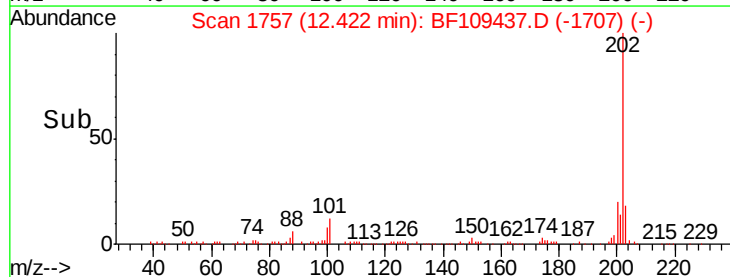
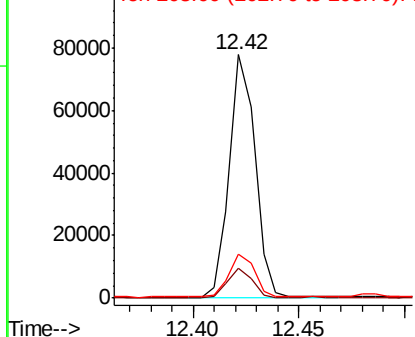


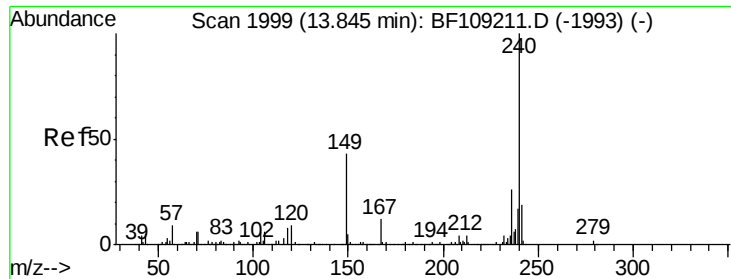
#74
 Fluoranthene
 Concen: 5.149 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BF109437.D
 Acq: 28 Sep 2018 18:32

Tgt Ion: 202 Resp: 66288
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 34.1
 203 17.9 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: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109437.D

Acq: 28 Sep 2018 18:32

Instrument :

BNA_F

ClientSampleId :

PARCEL-190-092418-1

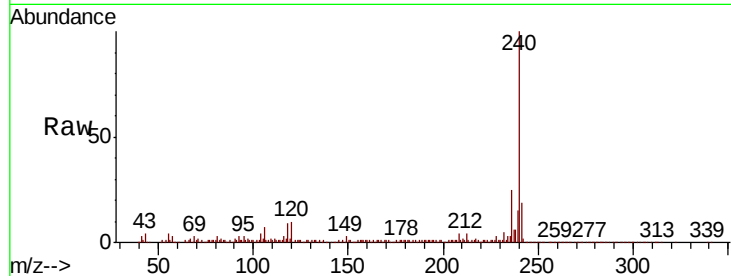
Tgt Ion:240 Resp: 191376

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

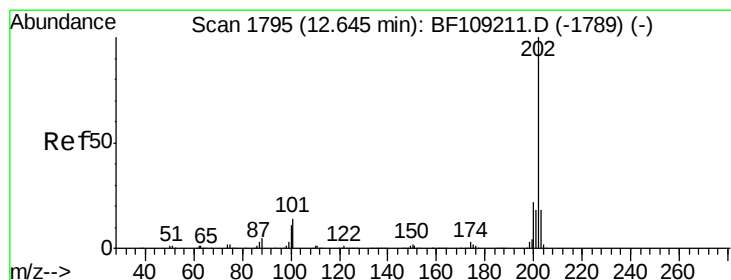
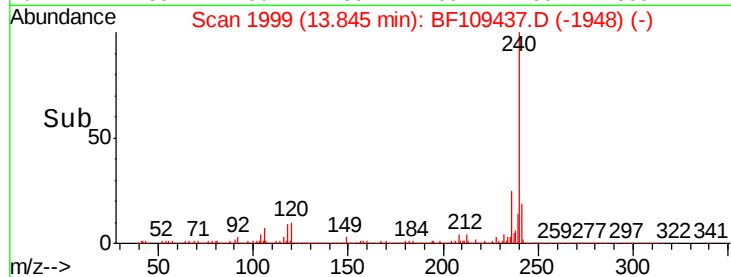
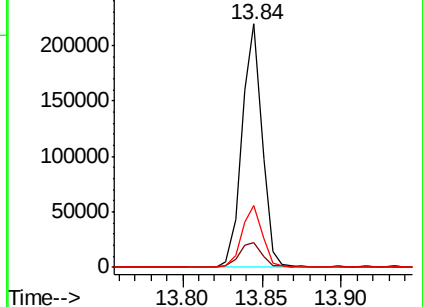
236 25.2 20.7 31.1



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: 4.037 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109437.D

Acq: 28 Sep 2018 18:32

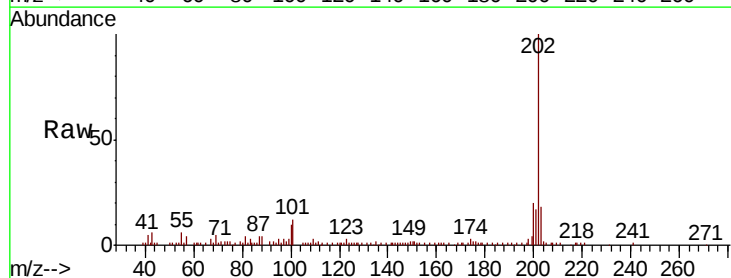
Tgt Ion:202 Resp: 55367

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

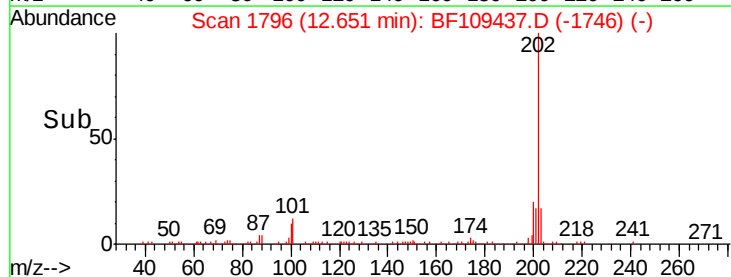
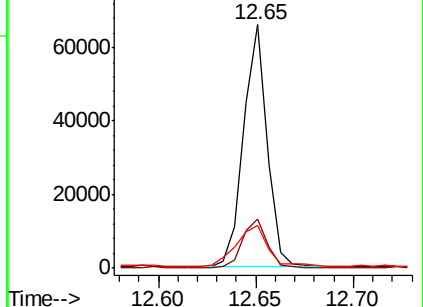
203 17.7 14.3 21.5

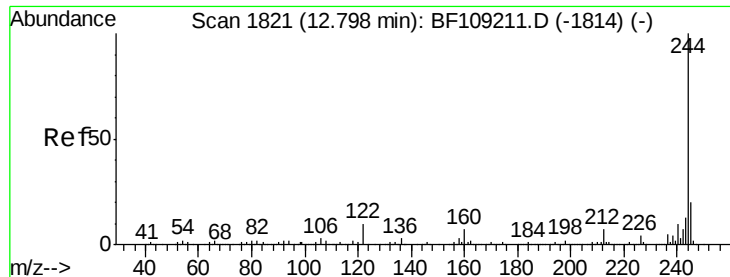


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.932 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109437.D

Acq: 28 Sep 2018 18:32

Instrument :

BNA_F

ClientSampleId :

PARCEL-190-092418-1

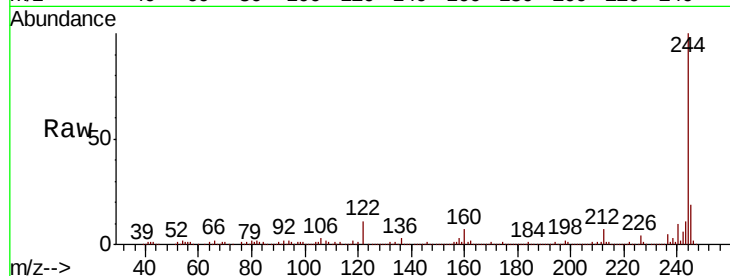
Tgt Ion:244 Resp: 412767

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

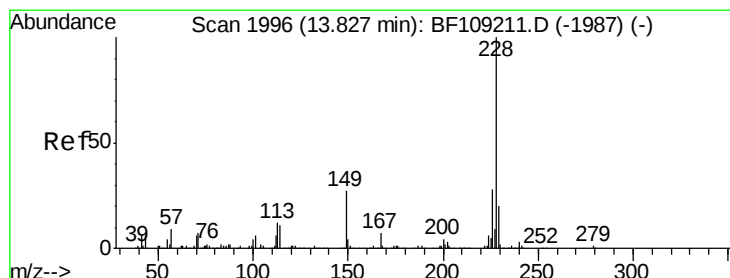
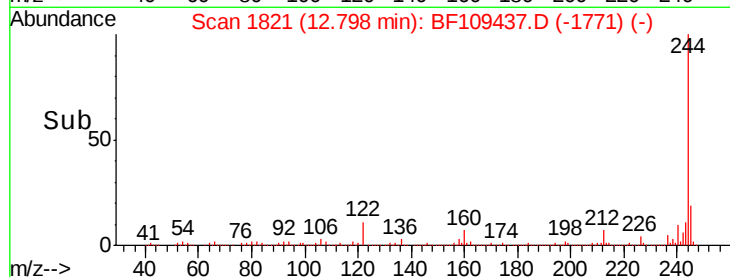
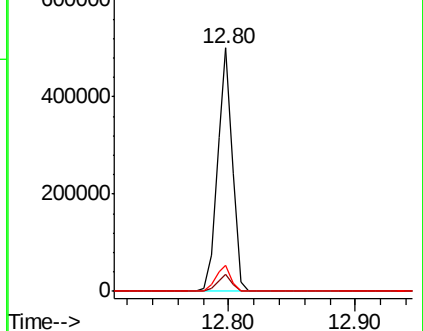
122 10.9 11.0 16.4#



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

Benzo(a)anthracene

Concen: 2.337 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109437.D

Acq: 28 Sep 2018 18:32

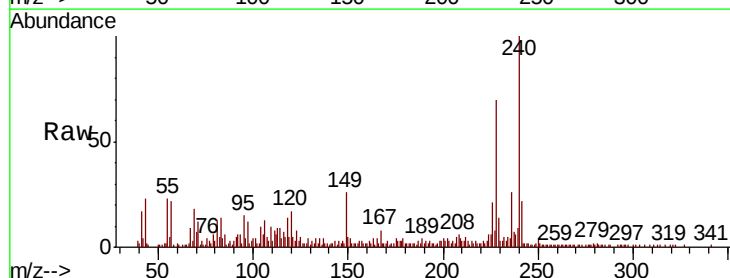
Tgt Ion:228 Resp: 26943

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

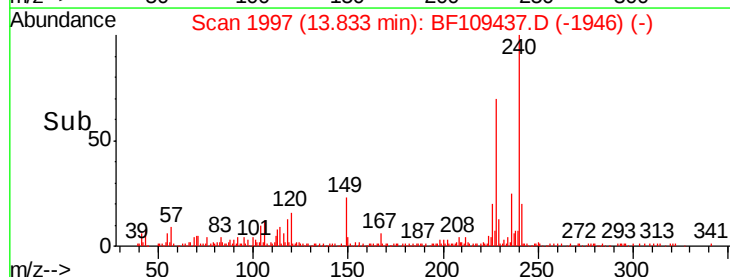
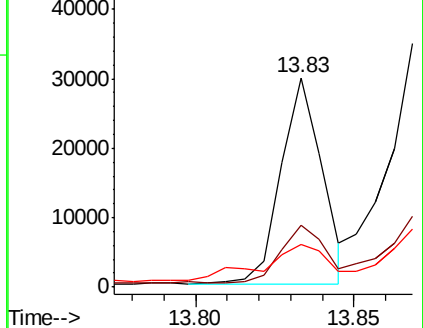
229 20.3 15.8 23.6

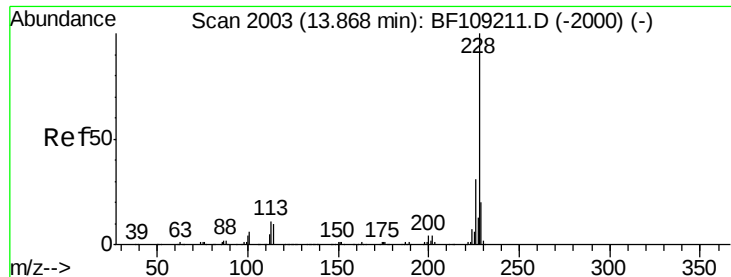


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

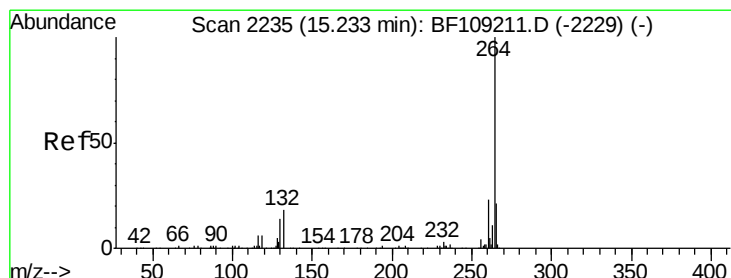
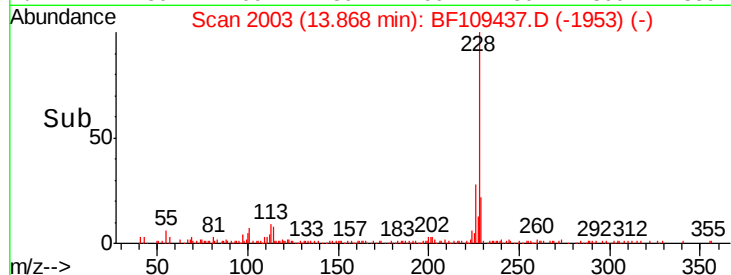
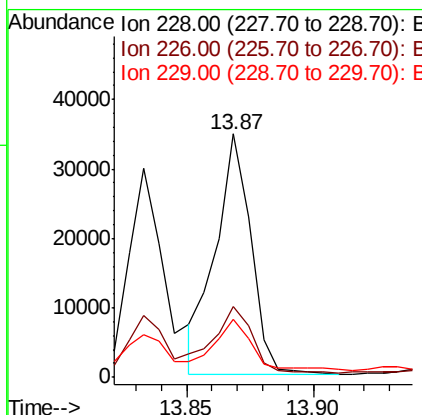
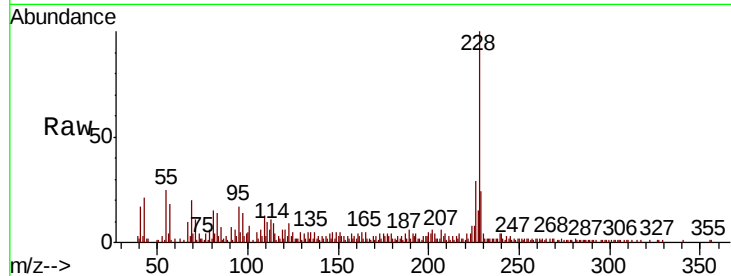




#82
Chrysene
Concen: 2.935 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

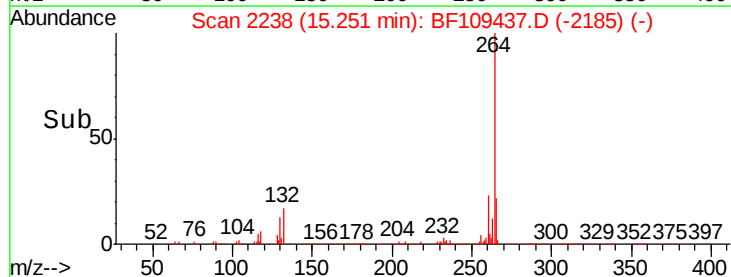
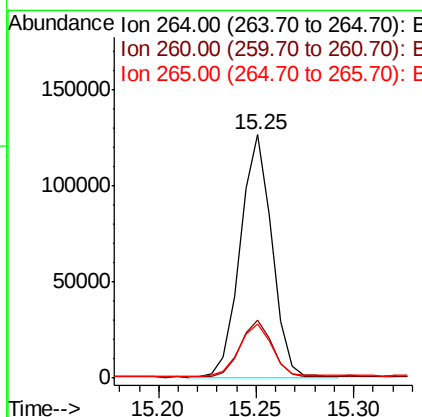
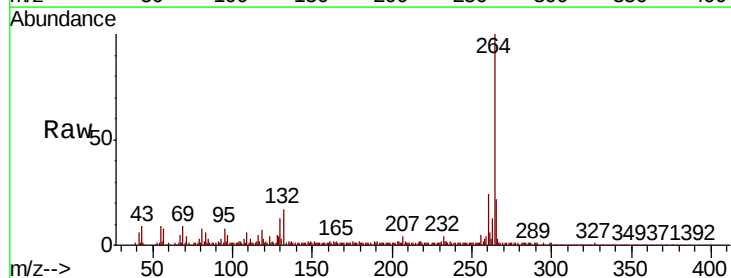
Instrument :
BNA_F
ClientSampleId :
PARCEL-190-092418-1

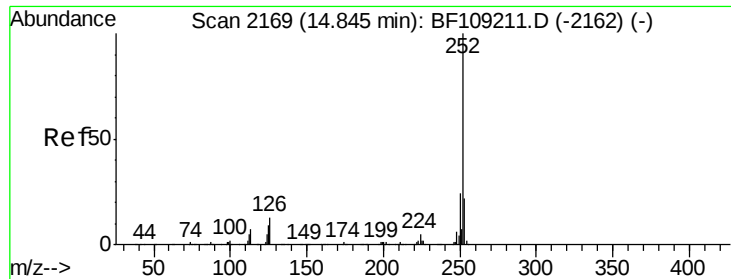
Tgt Ion:	228	Resp:	33528
Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	23.9	16.2	24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

Tgt Ion:	264	Resp:	141289
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.2	17.5	26.3

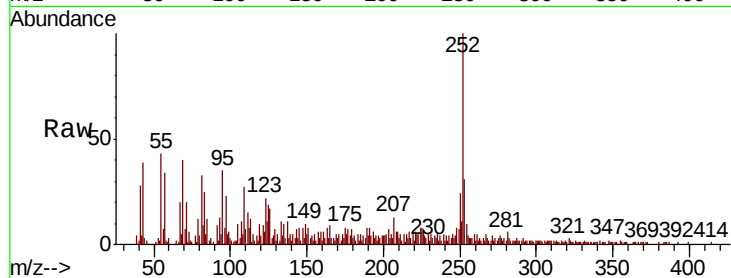




#87
Benzo(b)fluoranthene
Concen: 6.444 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

Instrument :
BNA_F
ClientSampleId :
PARCEL-190-092418-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.0	17.0	25.6#
125	19.4	9.0	13.6#

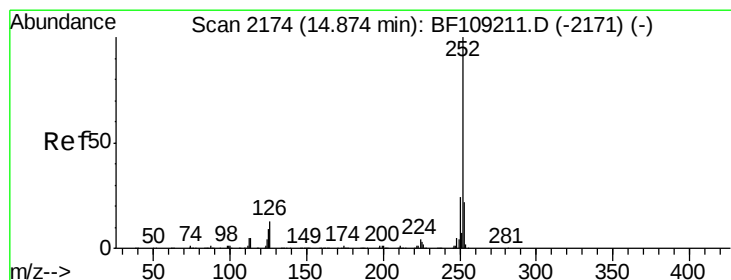
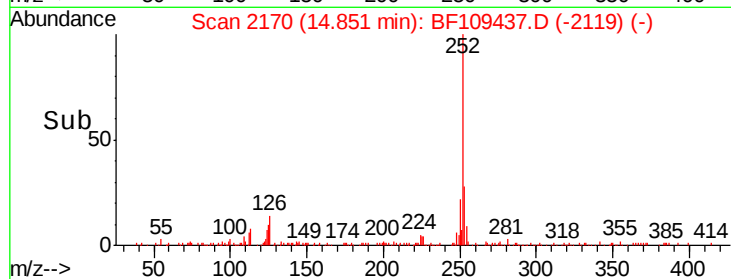
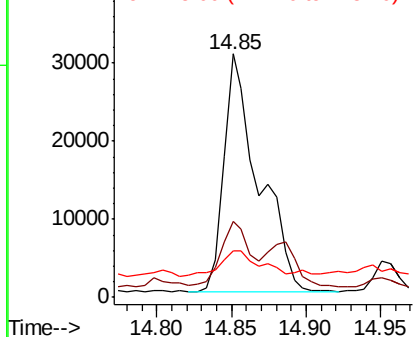


Abundance

Ion 252.00 (251.70 to 252.70): E

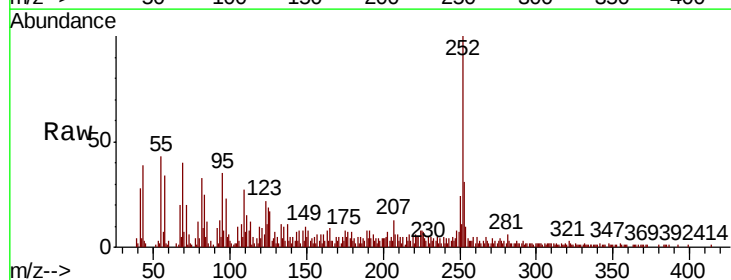
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 6.791 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.0	17.9	26.9#
125	19.4	10.2	15.2#

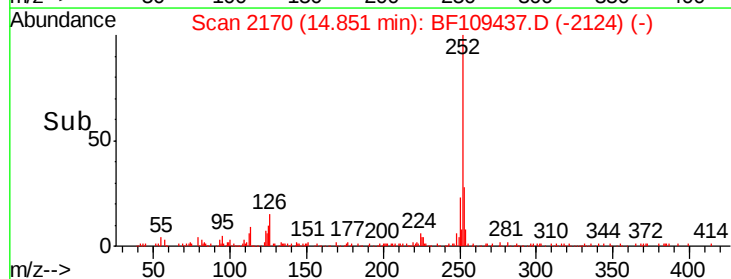
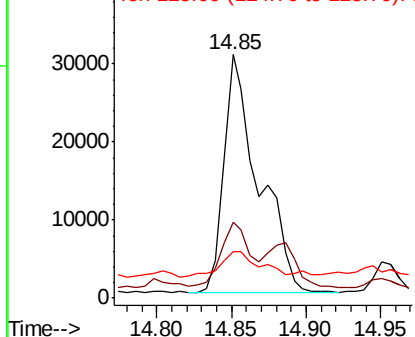


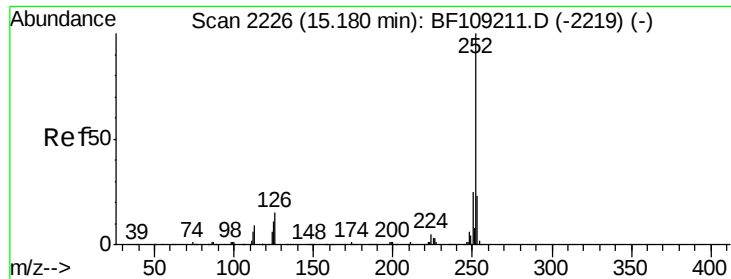
Abundance

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

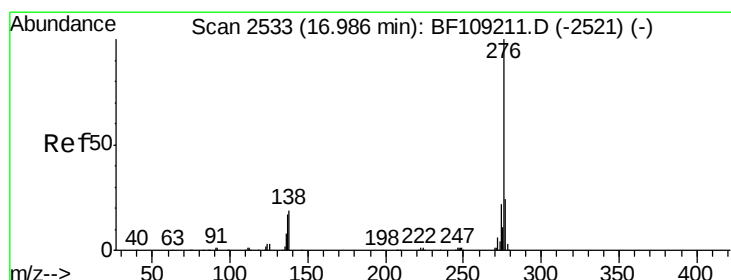
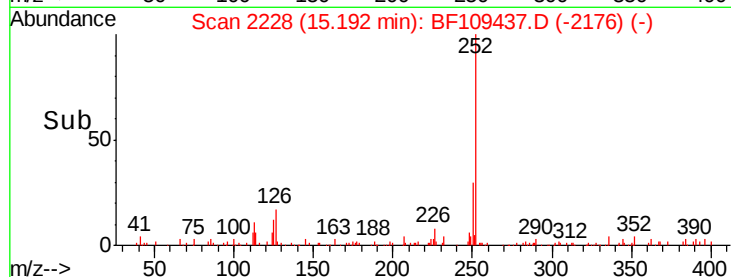
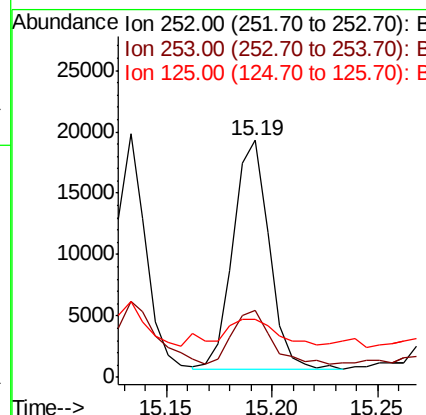
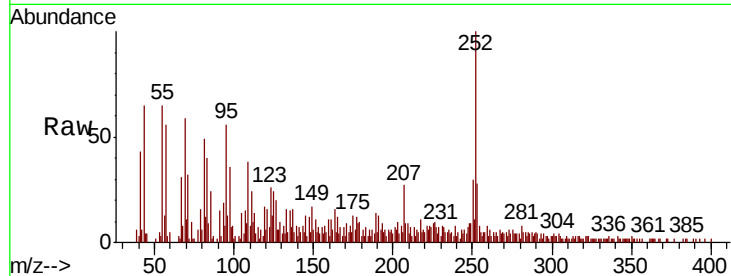




#89
Benzo(a)pyrene
Concen: 3.168 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

Instrument :
BNA_F
ClientSampleId :
PARCEL-190-092418-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.1	25.7#
125	24.2	9.8	14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.079 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF109437.D
Acq: 28 Sep 2018 18:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.5	17.9	26.9#
138	23.2	21.8	32.8

