

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
 Data File : BF109396.D
 Acq On : 27 Sep 2018 19:16
 Operator : JU/SJ
 Sample : J5077-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-186-092418-1

Quant Time: Sep 28 05:14:33 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	6.70	152	101973	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	394191	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	182634	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	306252	20.00	ng	0.00
75) Chrysene-d12	13.84	240	261440	20.00	ng	0.00
86) Perylene-d12	15.24	264	269248	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	431545	69.70	ng	0.00
7) Phenol-d6	6.35	99	550675	69.70	ng	-0.01
23) Nitrobenzene-d5	7.26	82	348792	52.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	118861	66.02	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	612236	50.56	ng	-0.01
78) Terphenyl-d14	12.79	244	472230	44.33	ng	-0.01

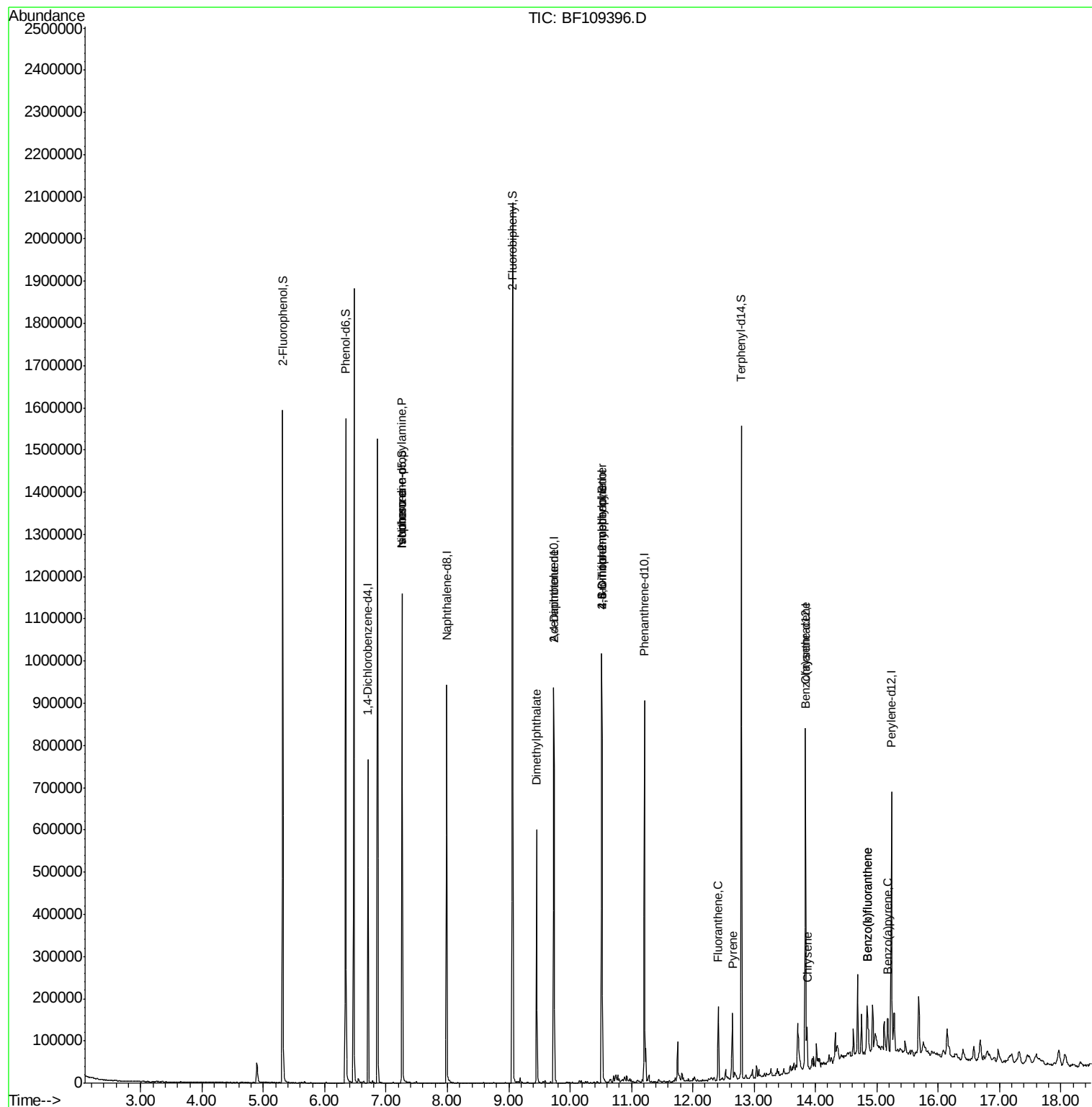
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	45700	8.828	ng	# 77
25) Isophorone	7.26	82	326040	27.114	ng	# 64
49) Dimethylphthalate	9.46	163	234240	17.634	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	22598	6.789	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	139	6.618	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	7580	2.229	ng	# 1
74) Fluoranthene	12.42	202	66456	4.067	ng	96
77) Pyrene	12.65	202	58992	3.148	ng	99
80) Benzo(a)anthracene	13.83	228	32498	2.064	ng	94
82) Chrysene	13.86	228	37881	2.427	ng	94
87) Benzo(b)fluoranthene	14.84	252	76290	5.156	ng	99
88) Benzo(k)fluoranthene	14.84	252	76290	5.434	ng	99
89) Benzo(a)pyrene	15.18	252	35590	2.670	ng	96

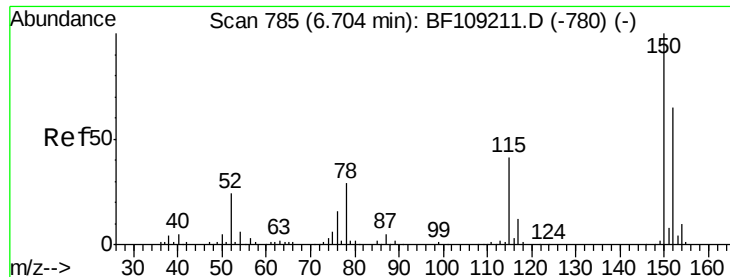
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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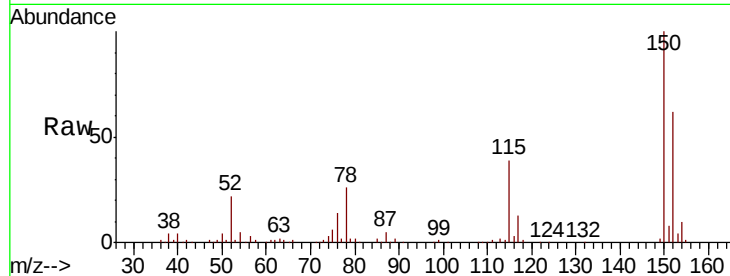


#1

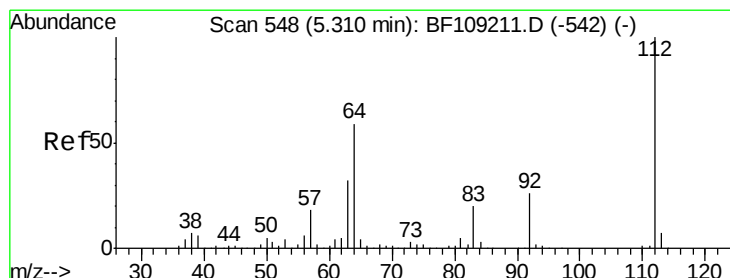
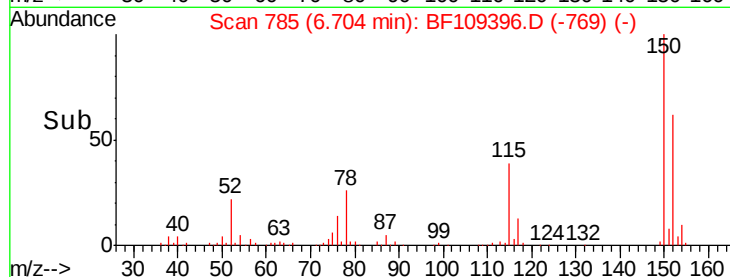
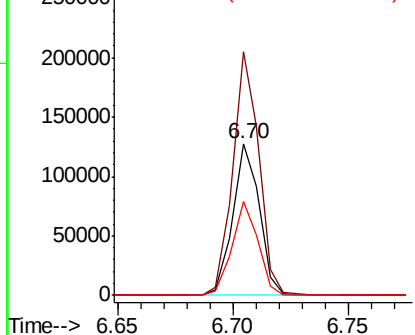
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Instrument :
BNA_F
ClientSampleId :
PARCEL-186-092418-1

Tgt Ion:152 Resp: 101973
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 62.1 50.1 75.1



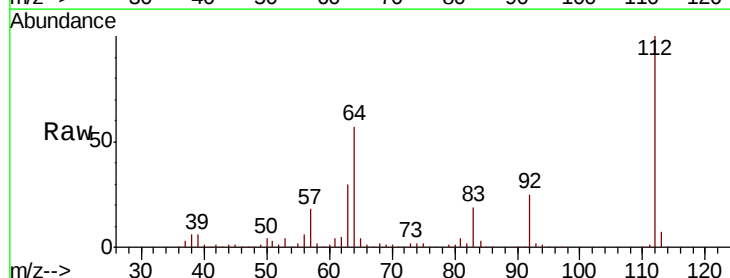
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



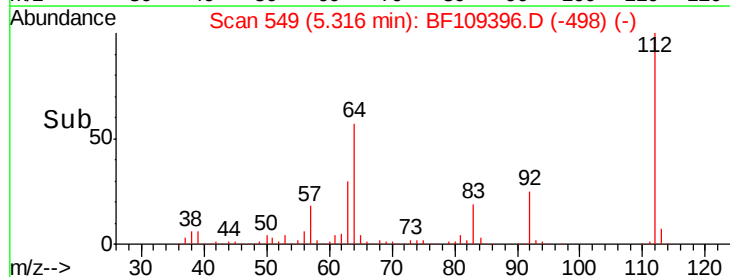
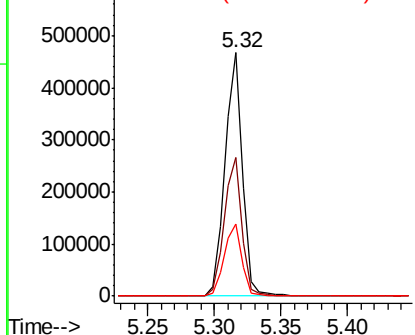
#5

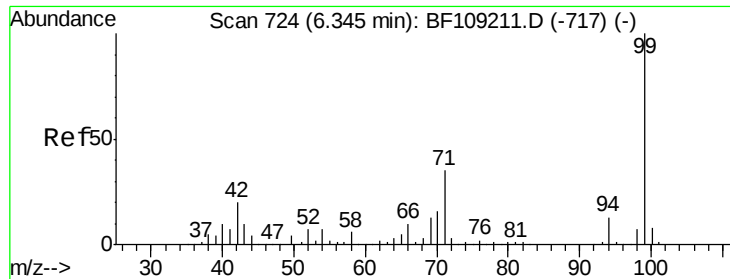
2-Fluorophenol
Concen: 69.704 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Tgt Ion:112 Resp: 431545
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 29.9 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: 69.705 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109396.D

Acq: 27 Sep 2018 19:16

Instrument :

BNA_F

ClientSampleId :

PARCEL-186-092418-1

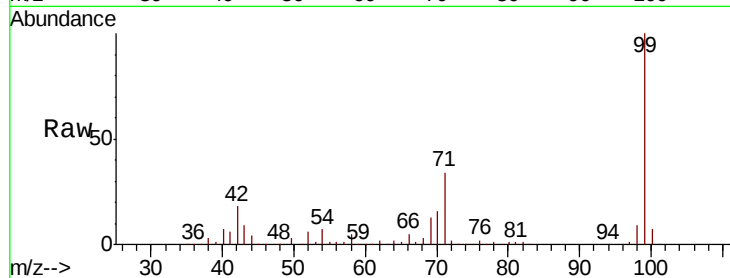
Tgt Ion: 99 Resp: 550675

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

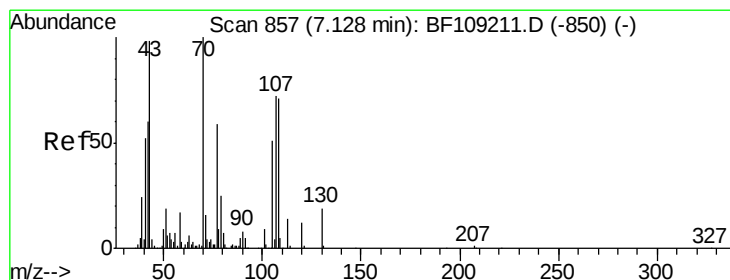
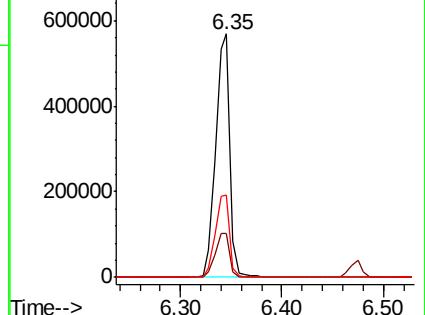
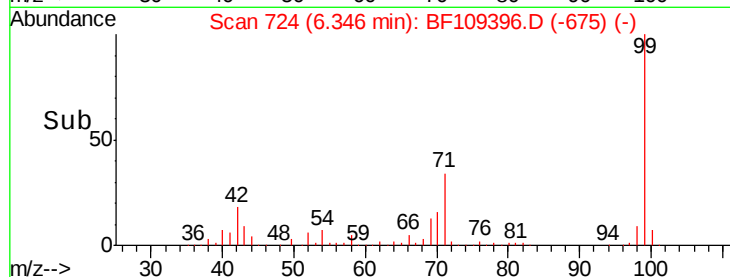
71 33.9 25.4 38.0



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: 8.828 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109396.D

Acq: 27 Sep 2018 19:16

Tgt Ion: 70 Resp: 45700

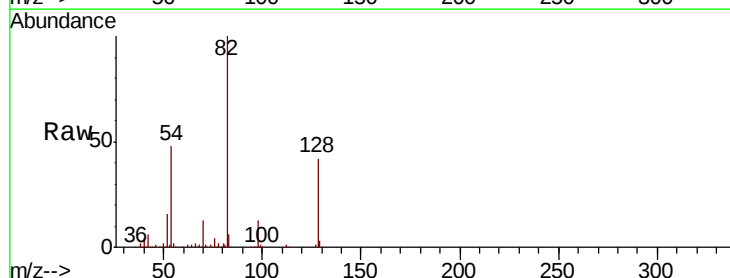
Ion Ratio Lower Upper

70 100

42 47.1 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

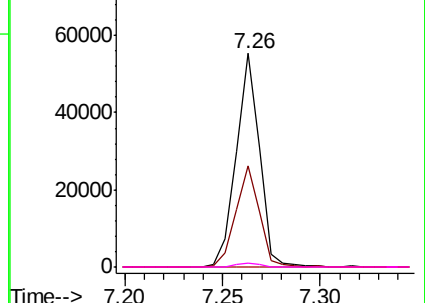
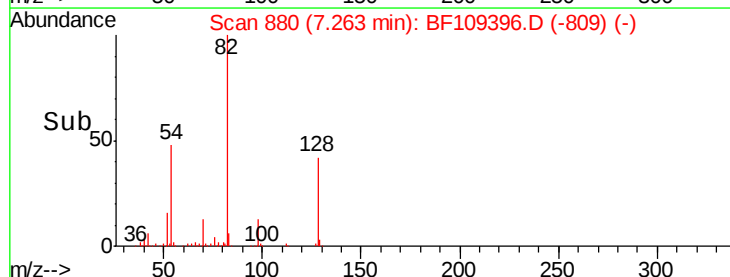


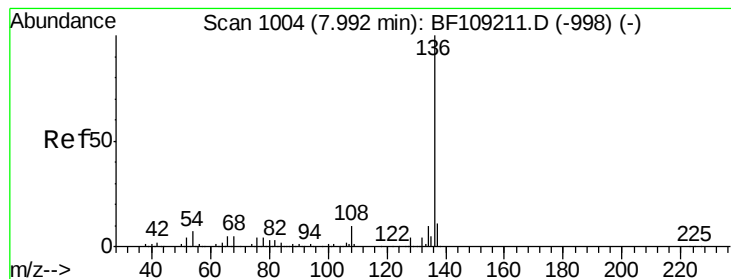
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1003

Delta R.T. -0.01 min

Lab File: BF109396.D

Acq: 27 Sep 2018 19:16

Instrument :

BNA_F

ClientSampleId :

PARCEL-186-092418-1

Tgt Ion: 136 Resp: 394191

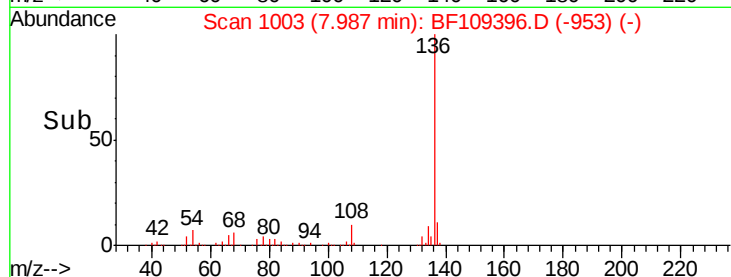
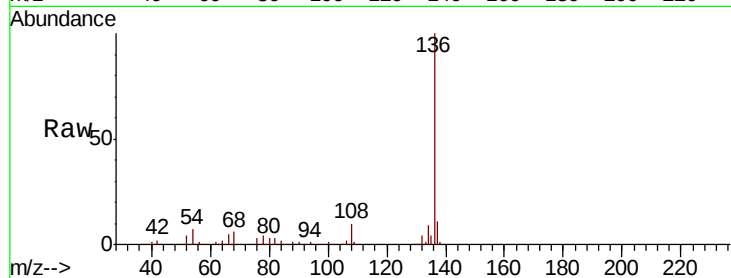
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.0 6.6 9.8

68 5.9 5.0 7.4

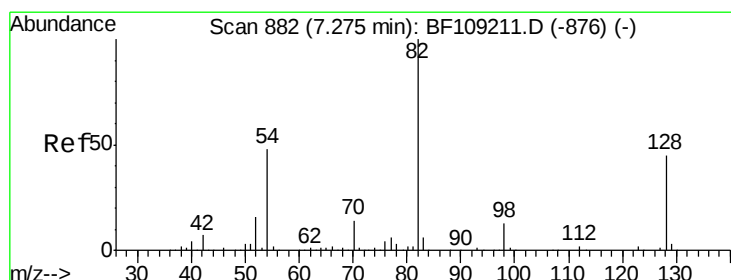
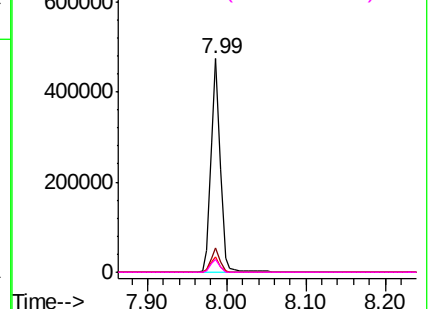


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.233 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109396.D

Acq: 27 Sep 2018 19:16

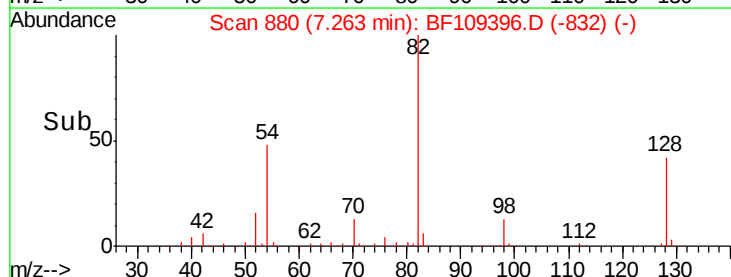
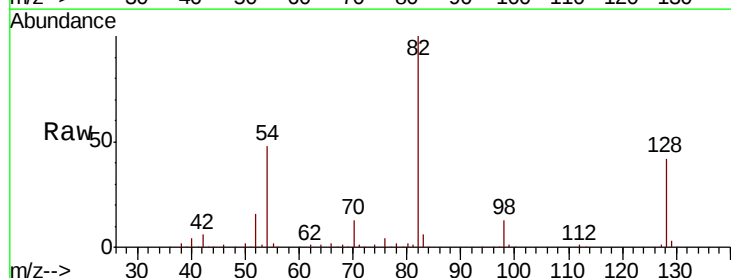
Tgt Ion: 82 Resp: 348792

Ion Ratio Lower Upper

82 100

128 42.1 36.1 54.1

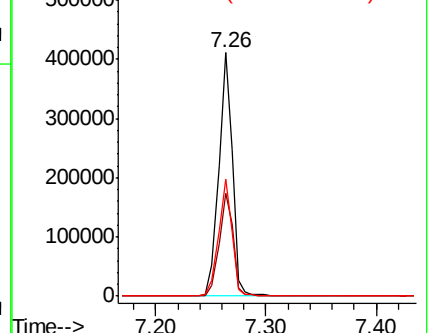
54 47.9 41.4 62.2

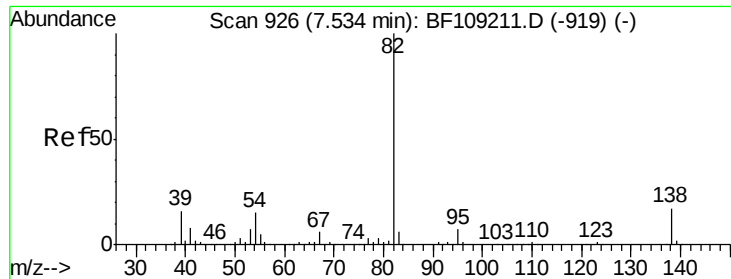


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

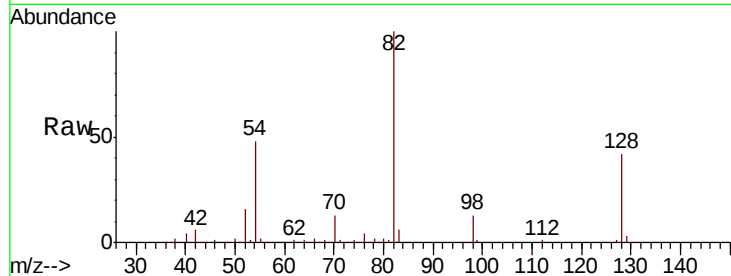




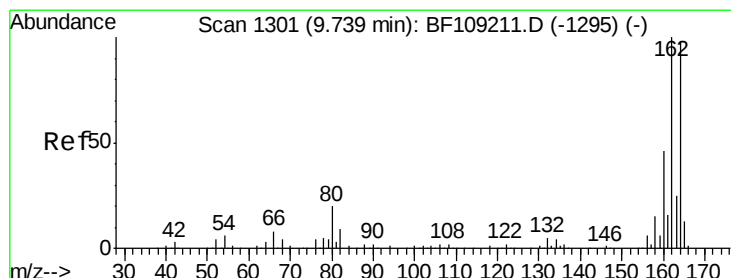
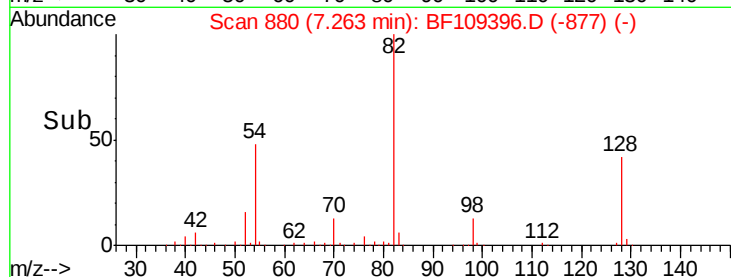
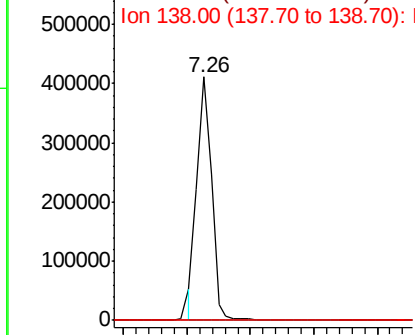
#25
Isophorone
Concen: 27.114 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Instrument :
BNA_F
ClientSampleId :
PARCEL-186-092418-1

Tgt Ion: 82 Resp: 326040
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

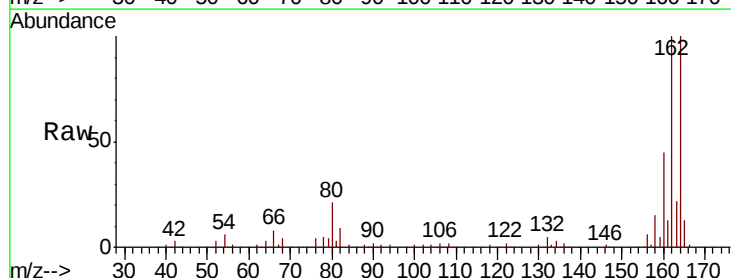


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

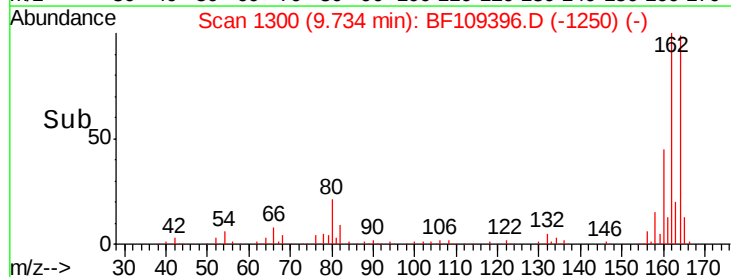
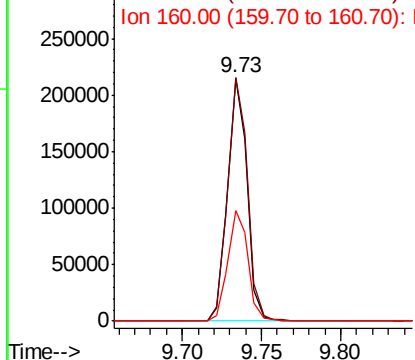


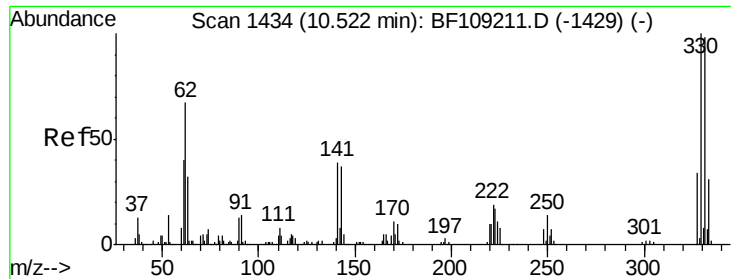
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Tgt Ion: 164 Resp: 182634
Ion Ratio Lower Upper
164 100
162 100.4 86.1 129.1
160 45.4 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

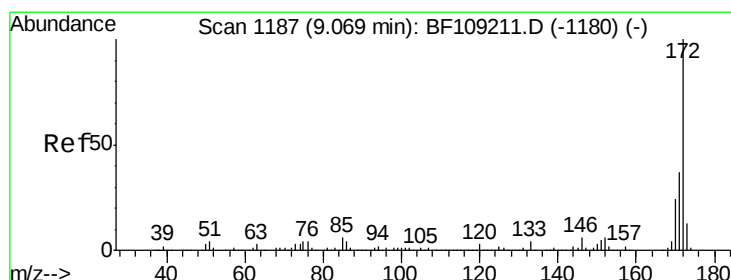
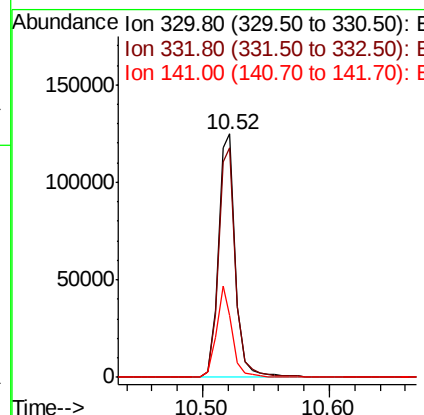
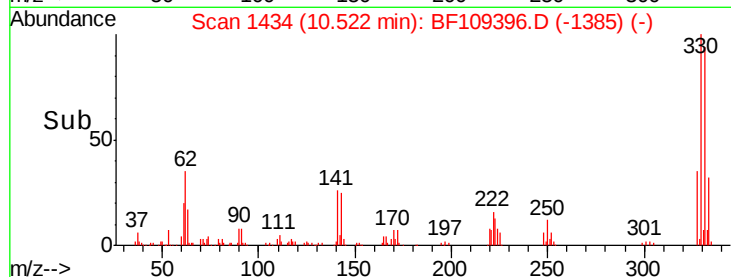
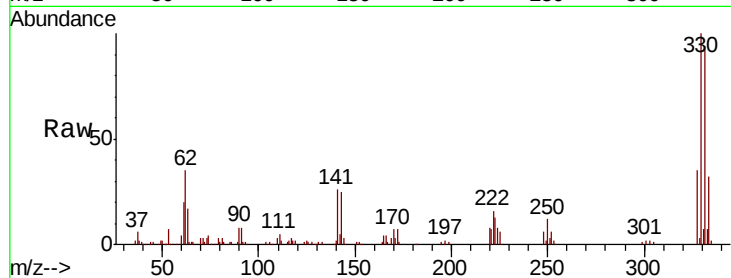




#41
 2,4,6-Tribromophenol
 Concen: 66.020 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109396.D
 Acq: 27 Sep 2018 19:16

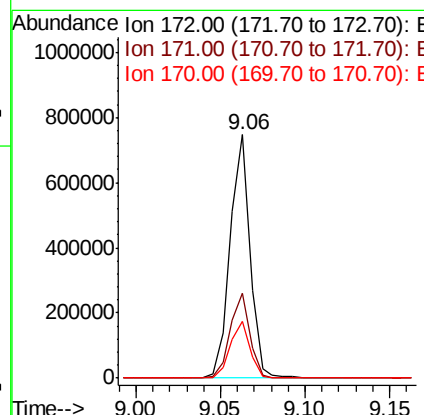
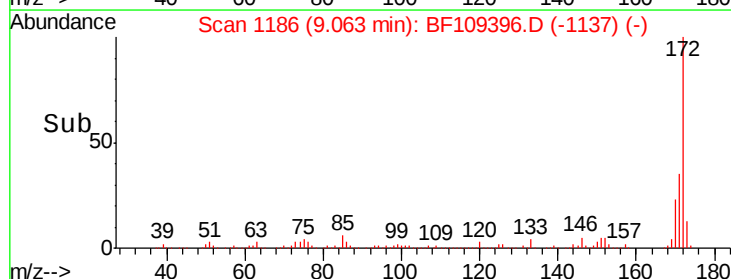
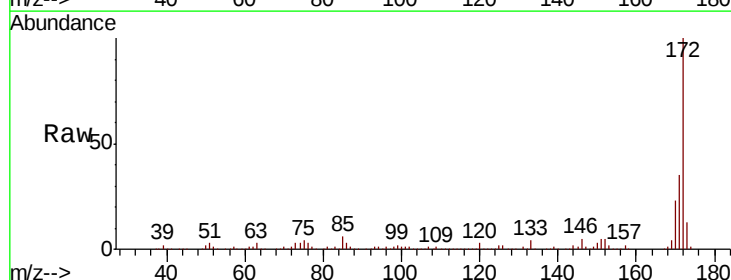
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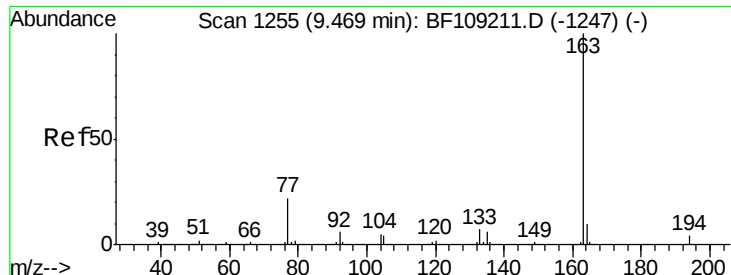
Tgt Ion: 330 Resp: 118861
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 34.1 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 50.558 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109396.D
 Acq: 27 Sep 2018 19:16

Tgt Ion: 172 Resp: 612236
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.2 19.6 29.4

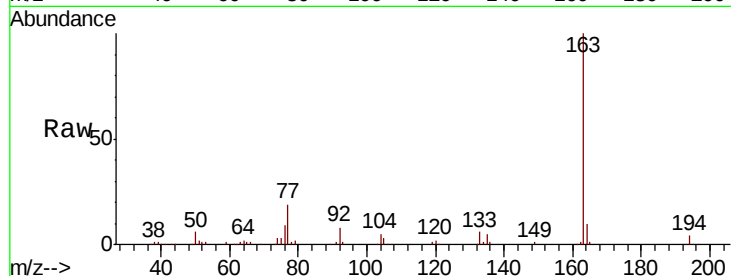




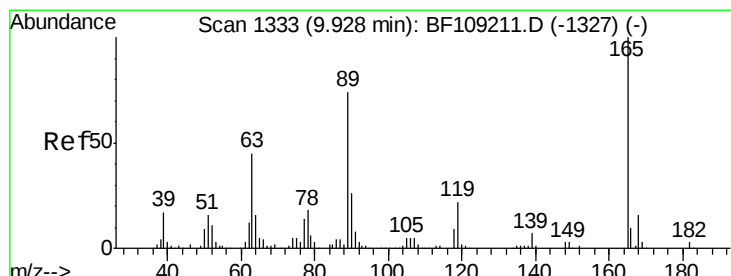
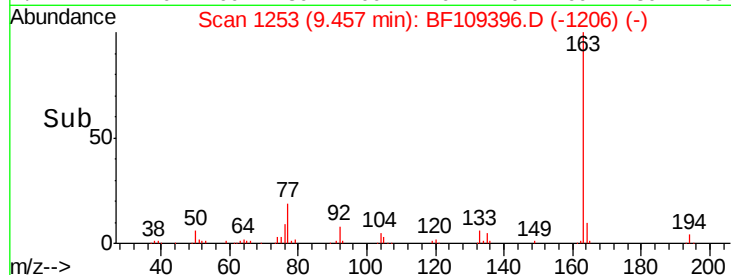
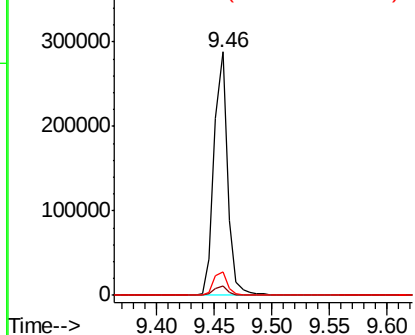
#49
Dimethylphthalate
Concen: 17.634 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Instrument :
BNA_F
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PARCEL-186-092418-1

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.8	8.2	12.2



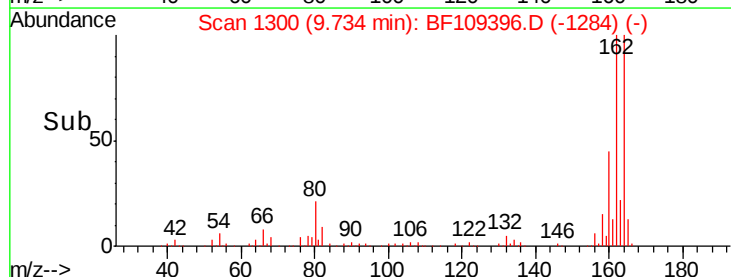
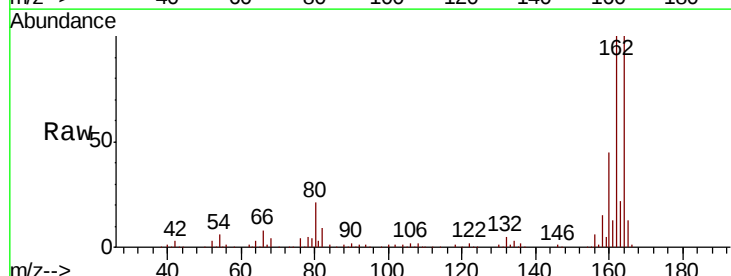
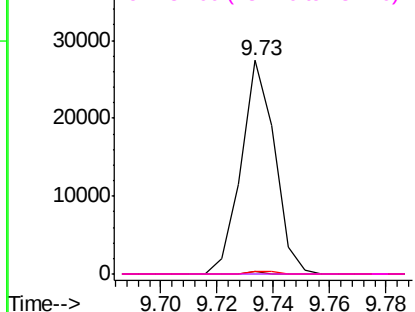
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

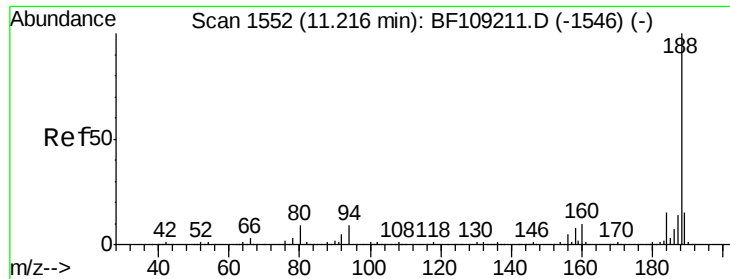


#56
2,4-Dinitrotoluene
Concen: 6.789 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.2	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

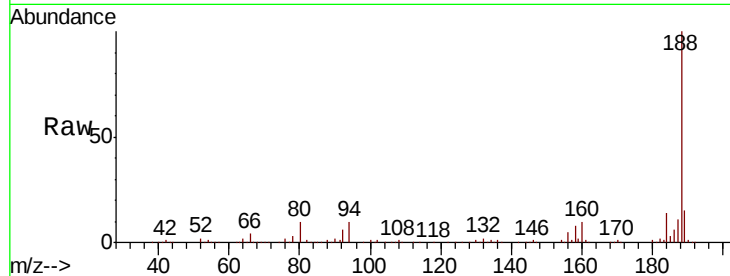




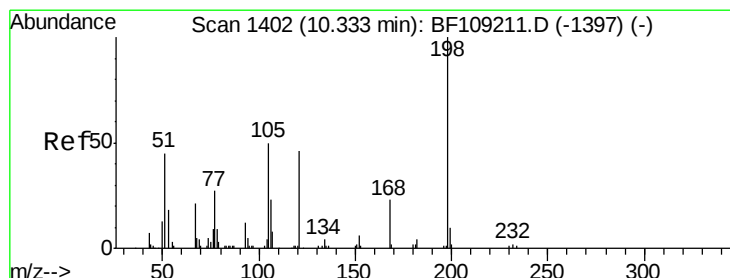
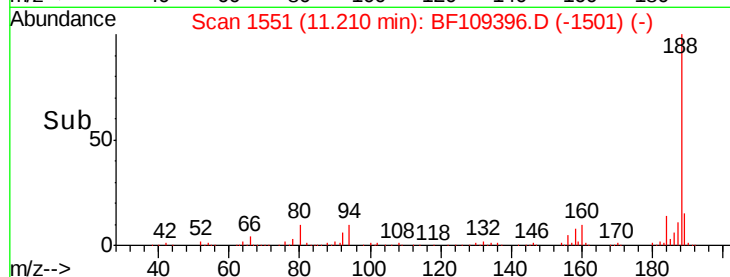
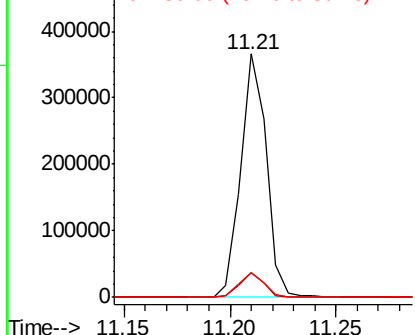
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Instrument :
BNA_F
ClientSampleId :
PARCEL-186-092418-1

Tgt Ion:188 Resp: 306252
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.2 9.2 13.8

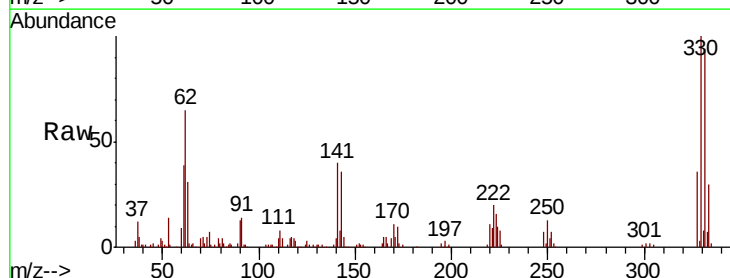


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

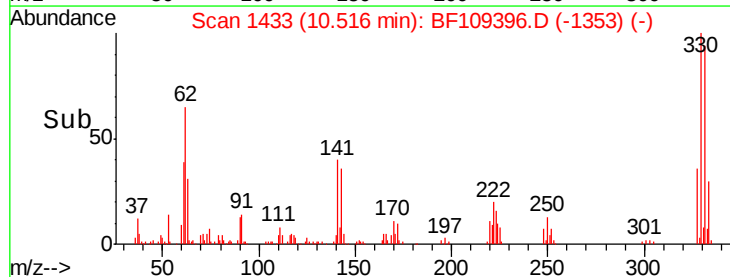
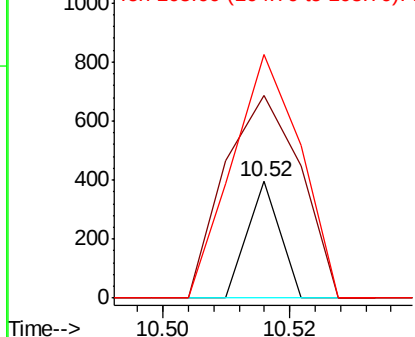


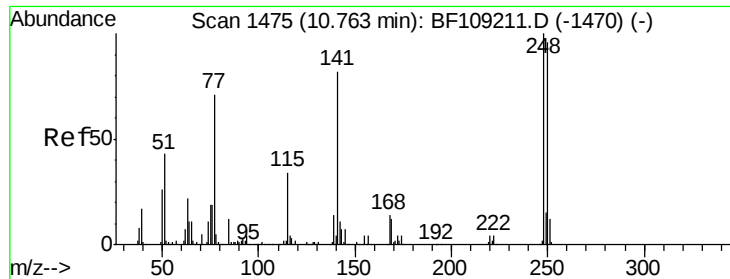
#64
4,6-Dinitro-2-methylphenol
Concen: 6.618 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.17 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Tgt Ion:198 Resp: 139
Ion Ratio Lower Upper
198 100
51 173.9 37.7 77.7#
105 209.4 36.3 76.3#



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

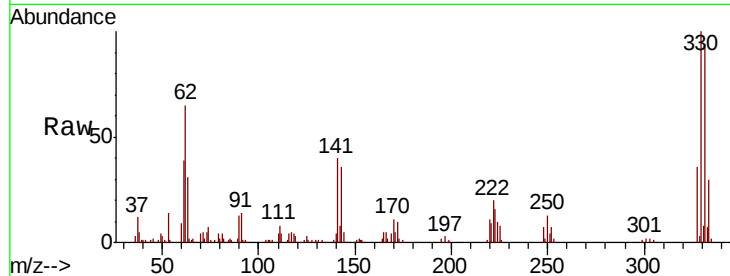




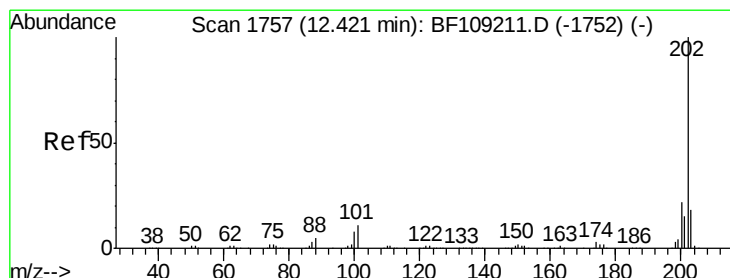
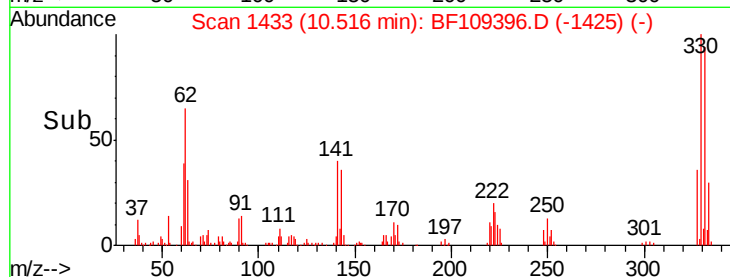
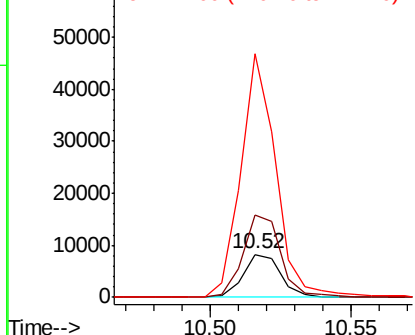
#66
4-Bromophenyl-phenylether
Concen: 2.229 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Instrument :
BNA_F
ClientSampleId :
PARCEL-186-092418-1

Tgt Ion: 248 Resp: 7580
Ion Ratio Lower Upper
248 100
250 191.9 76.9 115.3#
141 566.2 74.4 111.6#

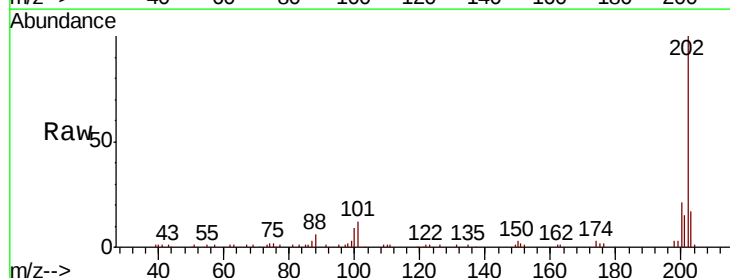


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

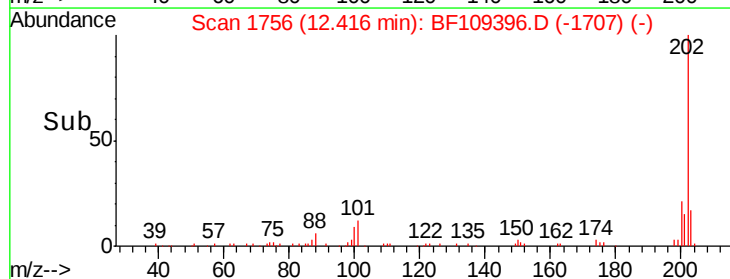
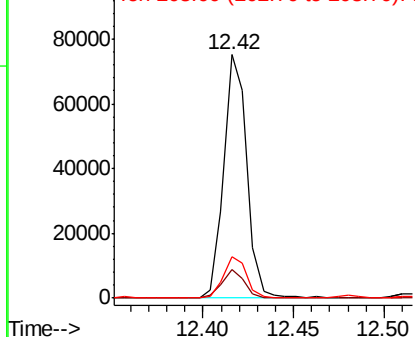


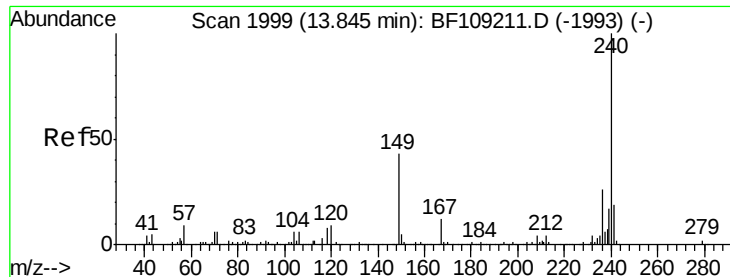
#74
Fluoranthene
Concen: 4.067 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Tgt Ion: 202 Resp: 66456
Ion Ratio Lower Upper
202 100
101 11.8 0.0 34.1
203 17.0 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# 1998

Delta R.T. -0.01 min

Lab File: BF109396.D

Acq: 27 Sep 2018 19:16

Instrument :

BNA_F

ClientSampleId :

PARCEL-186-092418-1

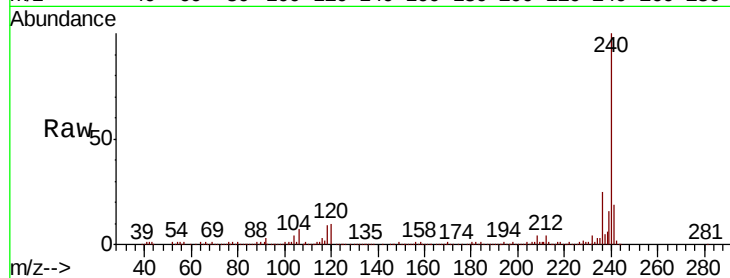
Tgt Ion:240 Resp: 261440

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

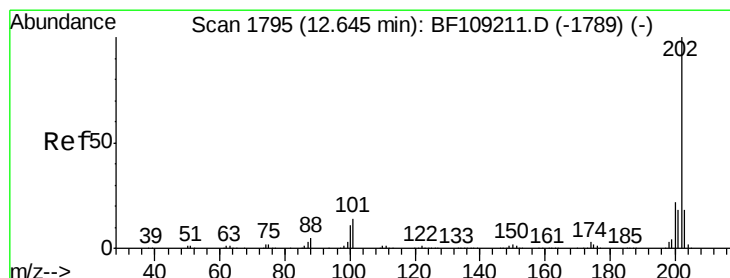
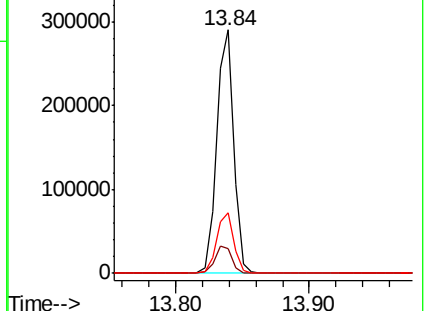
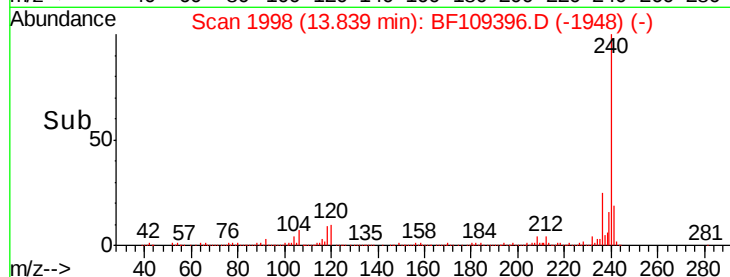
236 24.8 20.7 31.1



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: 3.148 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109396.D

Acq: 27 Sep 2018 19:16

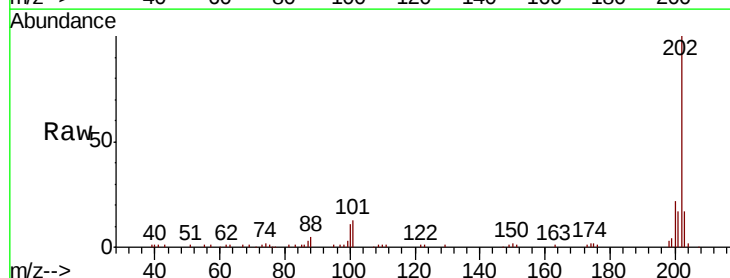
Tgt Ion:202 Resp: 58992

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

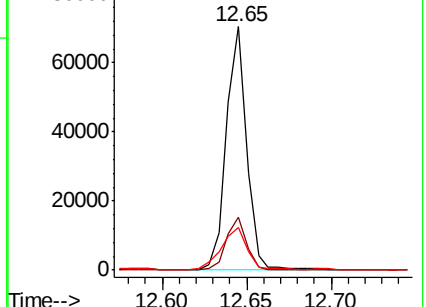
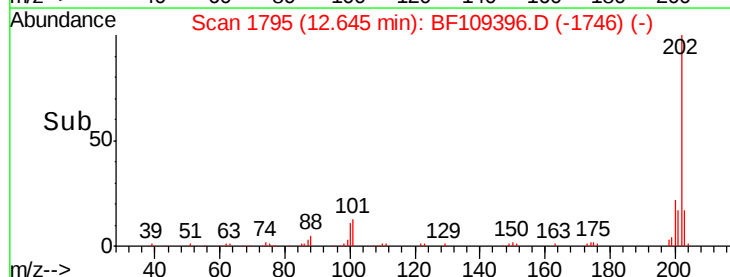
203 17.4 14.3 21.5

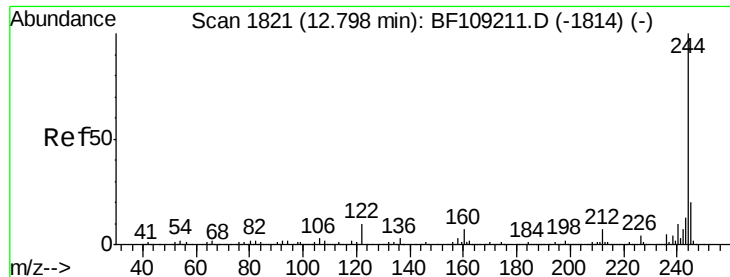


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

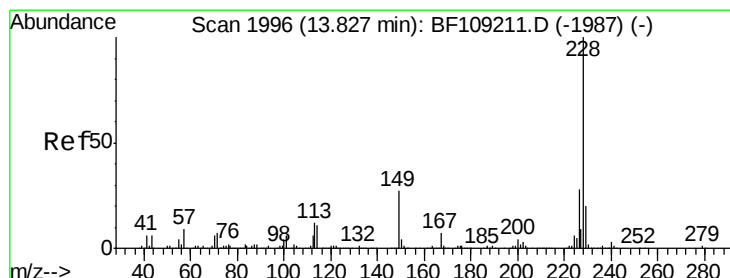
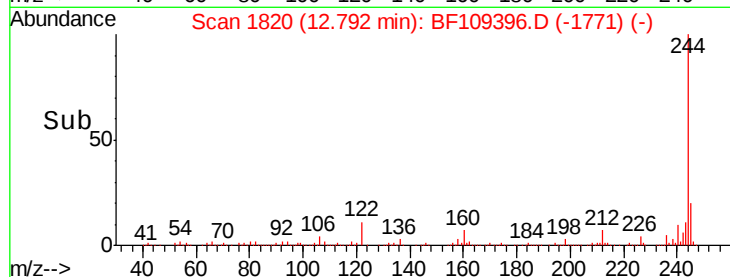
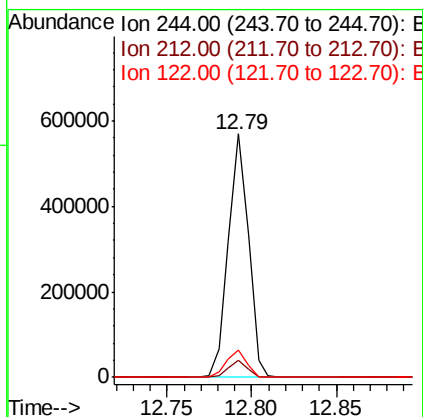
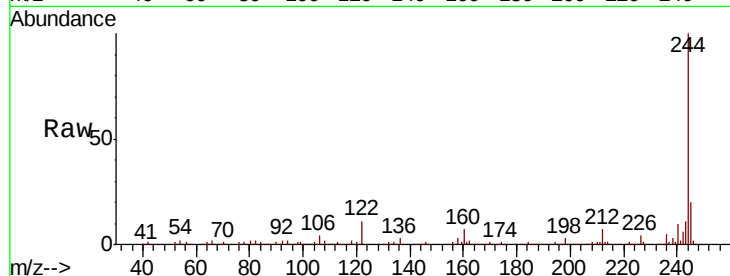




#78
 Terphenyl-d14
 Concen: 44.329 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109396.D
 Acq: 27 Sep 2018 19:16

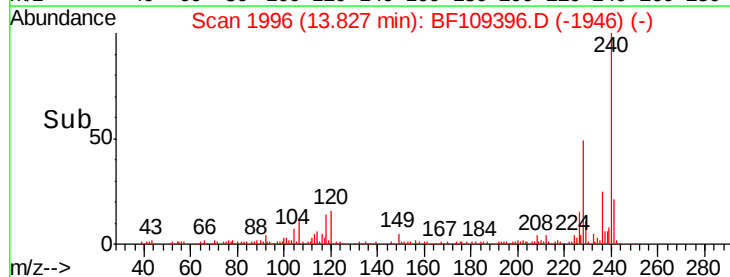
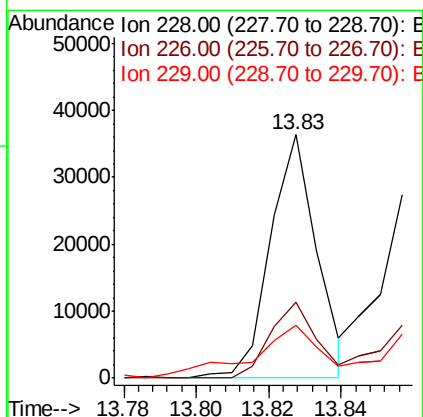
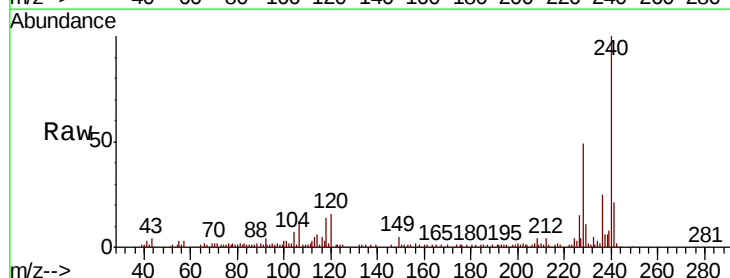
Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-186-092418-1

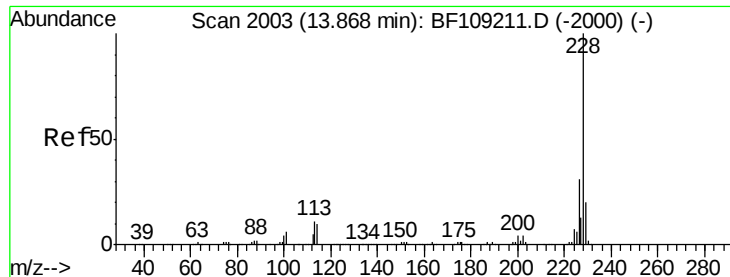
Tgt Ion:244 Resp: 472230
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.064 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109396.D
 Acq: 27 Sep 2018 19:16

Tgt Ion:228 Resp: 32498
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.6 33.8
 229 22.0 15.8 23.6





#82

Chrysene

Concen: 2.427 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109396.D

Acq: 27 Sep 2018 19:16

Instrument :

BNA_F

ClientSampleId :

PARCEL-186-092418-1

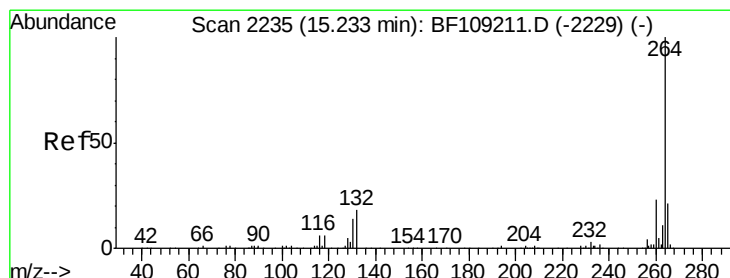
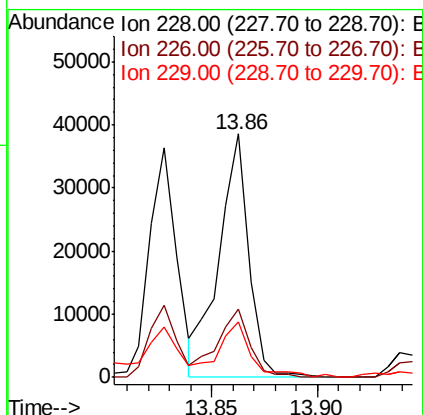
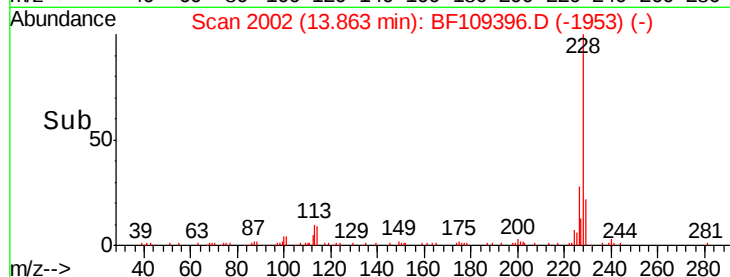
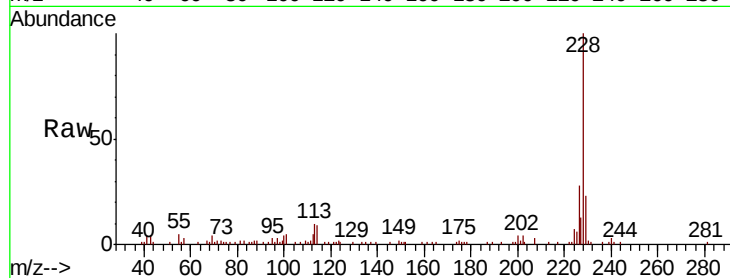
Tgt Ion:228 Resp: 37881

Ion Ratio Lower Upper

228 100

226 28.1 25.0 37.6

229 23.0 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF109396.D

Acq: 27 Sep 2018 19:16

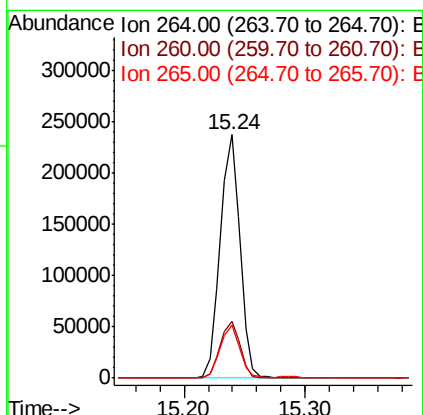
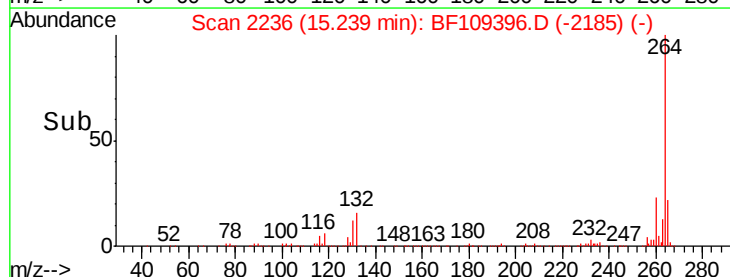
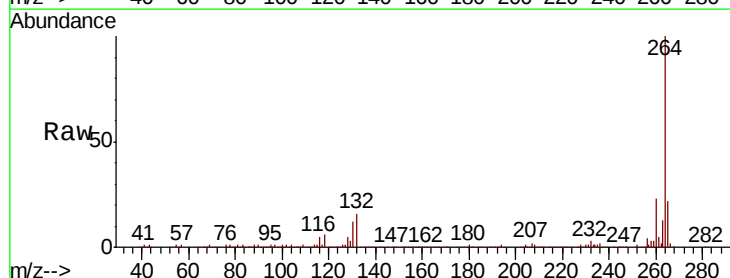
Tgt Ion:264 Resp: 269248

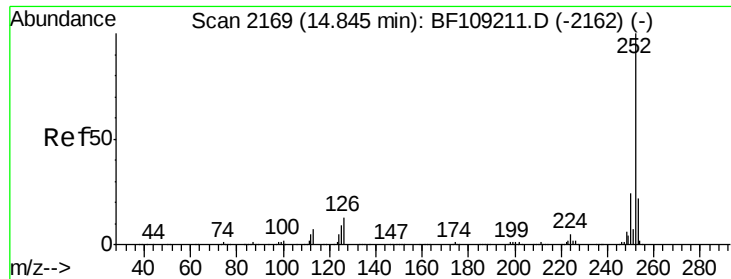
Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.6 17.5 26.3

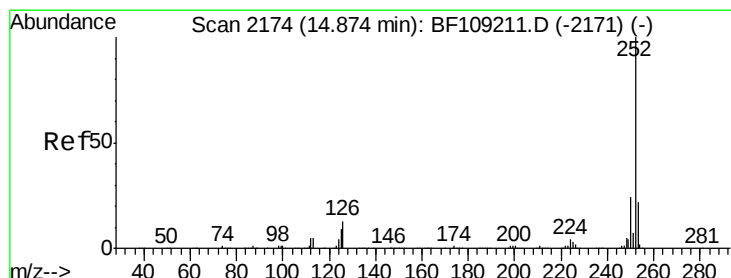
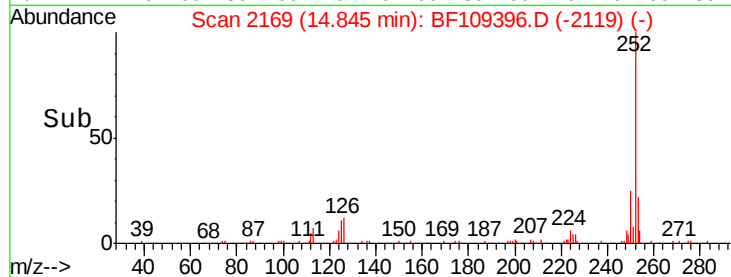
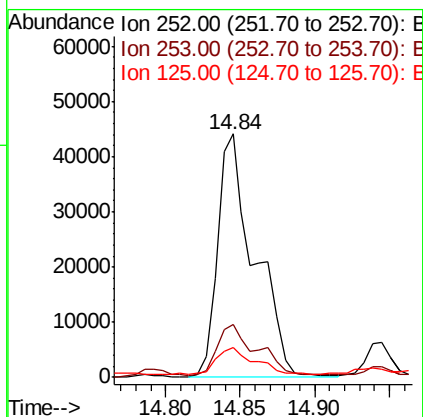
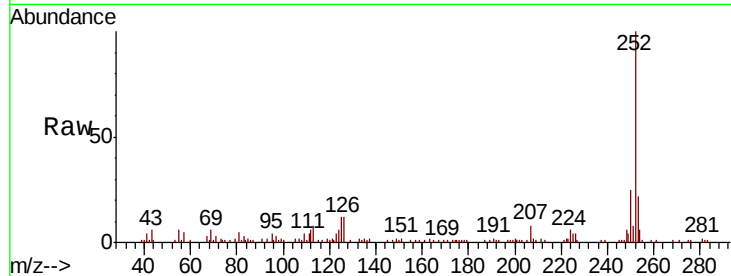




#87
Benzo(b)fluoranthene
Concen: 5.156 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

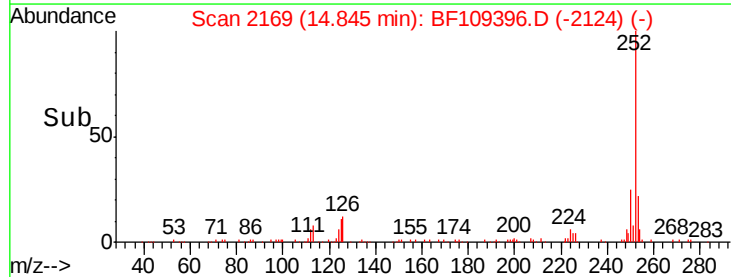
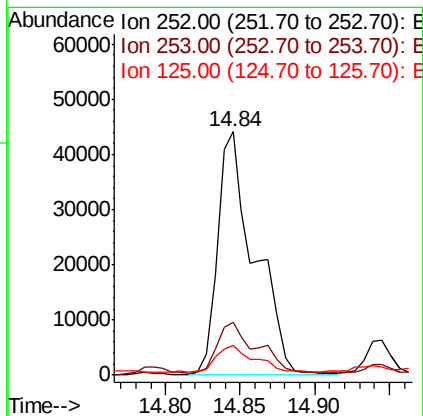
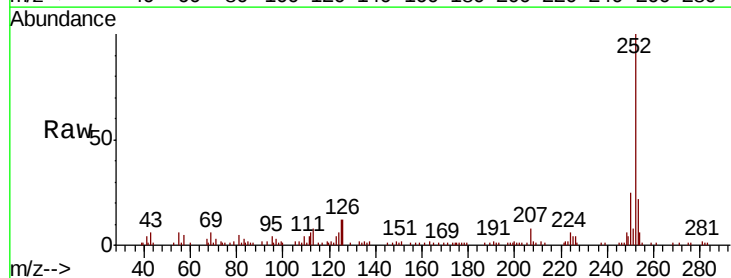
Instrument :
BNA_F
ClientSampleId :
PARCEL-186-092418-1

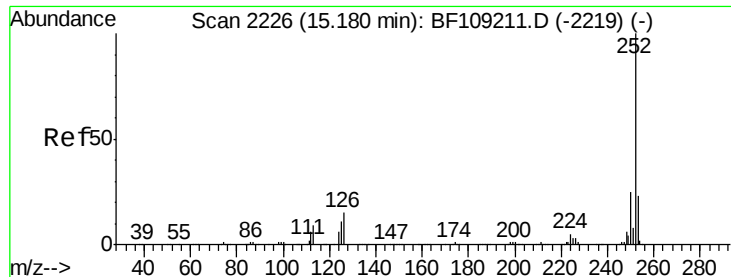
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	12.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 5.434 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109396.D
Acq: 27 Sep 2018 19:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	12.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.670 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109396.D

Acq: 27 Sep 2018 19:16

Instrument :

BNA_F

ClientSampleId :

PARCEL-186-092418-1

Tgt Ion:252 Resp: 35590

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 12.5 9.8 14.6

