

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
 Data File : BF109401.D
 Acq On : 27 Sep 2018 21:28
 Operator : JU/SJ
 Sample : J5077-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-193-092418-2

Quant Time: Sep 28 05:15:23 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

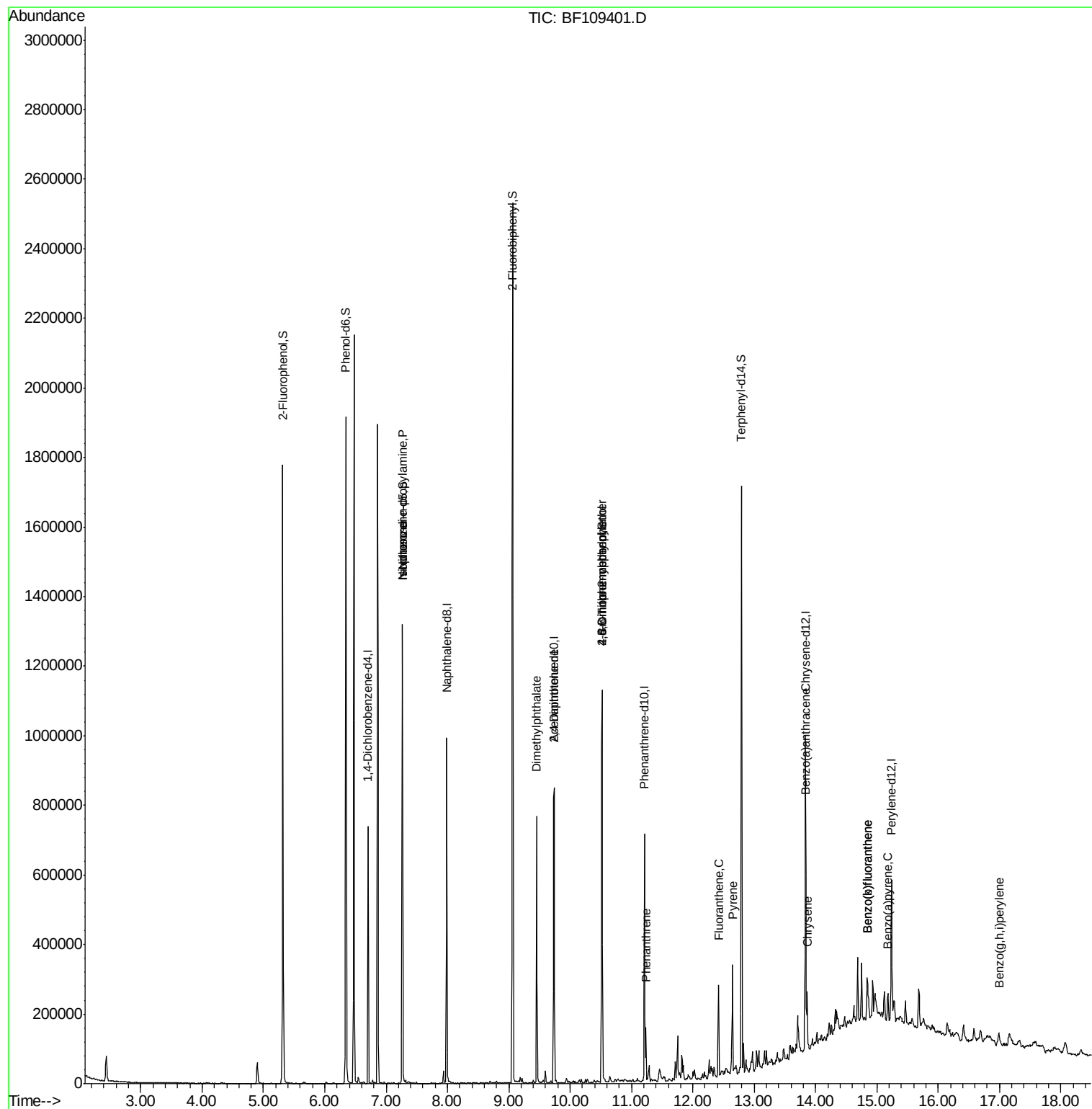
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	109562	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	407663	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	171378	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	270430	20.00	ng	0.00
75) Chrysene-d12	13.84	240	254925	20.00	ng	0.00
86) Perylene-d12	15.24	264	190862	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	534457	80.35	ng	0.00
7) Phenol-d6	6.35	99	690907	81.40	ng	-0.01
23) Nitrobenzene-d5	7.27	82	432381	62.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	131945	78.10	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	736676	64.83	ng	-0.01
78) Terphenyl-d14	12.79	244	584182	56.24	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	57541	10.346	ng	# 74
25) Isophorone	7.27	82	410590	33.017	ng	# 64
49) Dimethylphthalate	9.46	163	267138	21.431	ng	99
56) 2,4-Dinitrotoluene	9.73	165	21097	6.754	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	251	6.720	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	8120	2.704	ng	# 1
70) Phenanthrene	11.23	178	57158	4.233	ng	99
74) Fluoranthene	12.42	202	106067	7.351	ng	96
77) Pyrene	12.65	202	116610	6.383	ng	99
80) Benzo(a)anthracene	13.83	228	56639	3.689	ng	92
82) Chrysene	13.86	228	60133	3.951	ng	97
87) Benzo(b)fluoranthene	14.84	252	77893	7.427	ng	96
88) Benzo(k)fluoranthene	14.84	252	77893	7.827	ng	99
89) Benzo(a)pyrene	15.18	252	37683	3.987	ng	# 94
91) Benzo(g,h,i)perylene	16.99	276	24541	3.221	ng	# 91

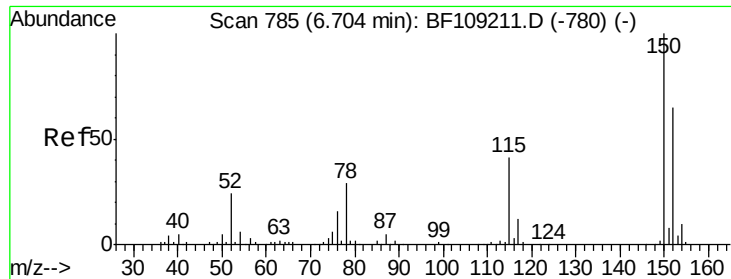
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109401.D
Acq On : 27 Sep 2018 21:28
Operator : JU/SJ
Sample : J5077-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARCEL-193-092418-2

Quant Time: Sep 28 05:15:23 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

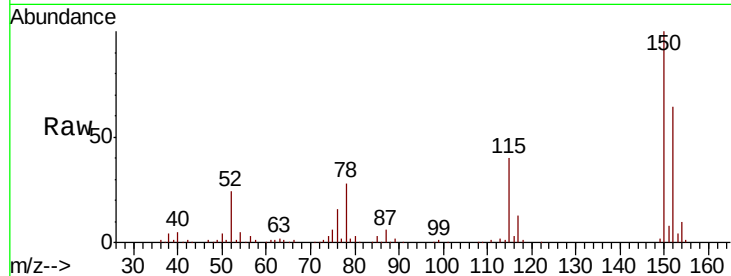




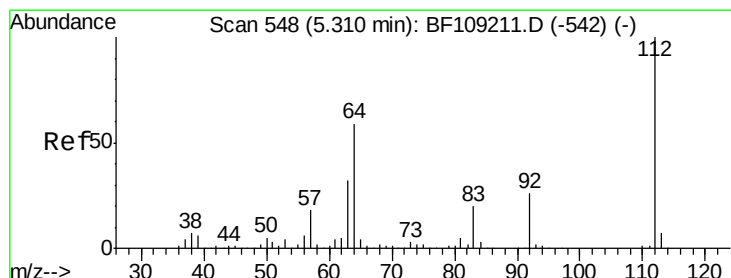
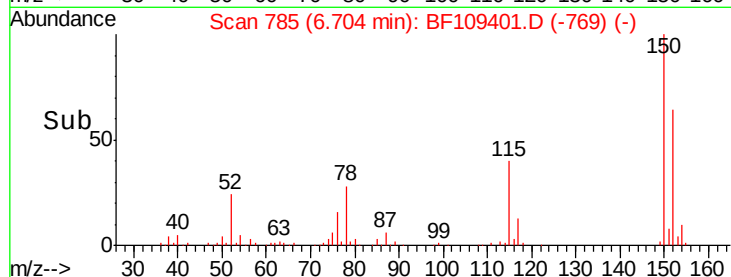
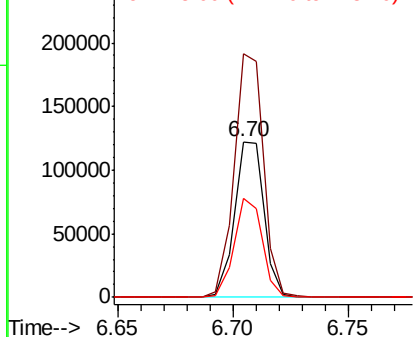
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109401.D
 Acq: 27 Sep 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-193-092418-2

Tgt Ion:152 Resp: 109562
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.6 186.8
 115 63.3 50.1 75.1

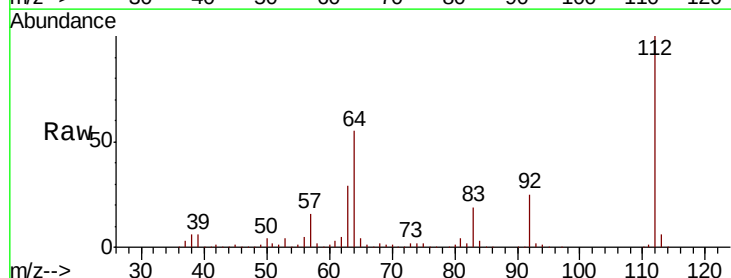


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

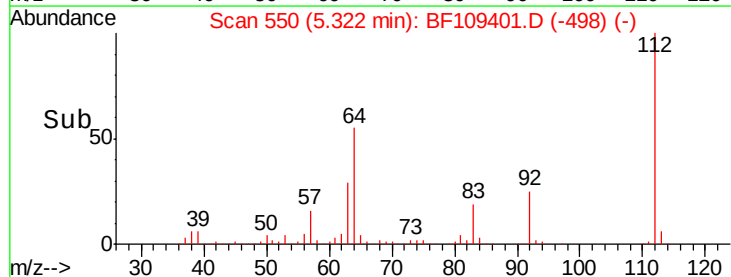
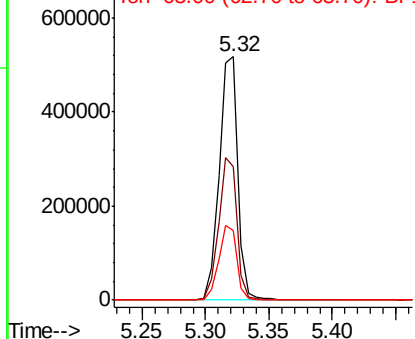


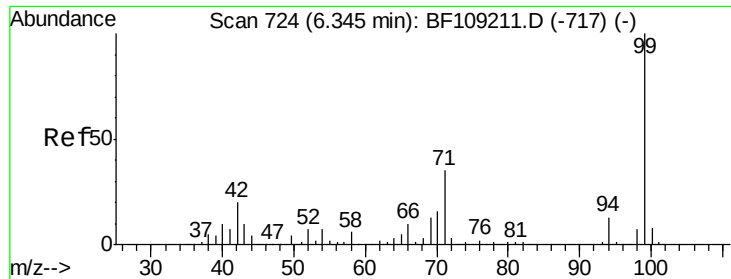
#5
 2-Fluorophenol
 Concen: 80.346 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF109401.D
 Acq: 27 Sep 2018 21:28

Tgt Ion:112 Resp: 534457
 Ion Ratio Lower Upper
 112 100
 64 54.9 47.9 71.9
 63 28.7 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: 81.397 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109401.D

Acq: 27 Sep 2018 21:28

Instrument :

BNA_F

ClientSampleId :

PARCEL-193-092418-2

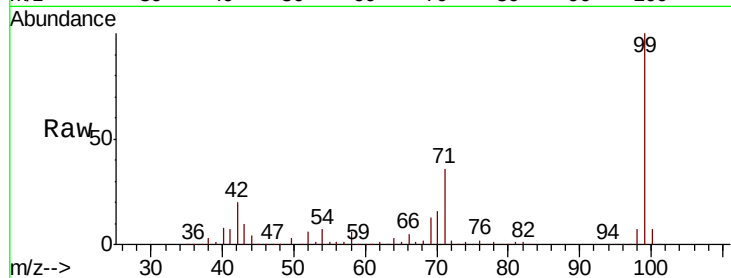
Tgt Ion: 99 Resp: 690907

Ion Ratio Lower Upper

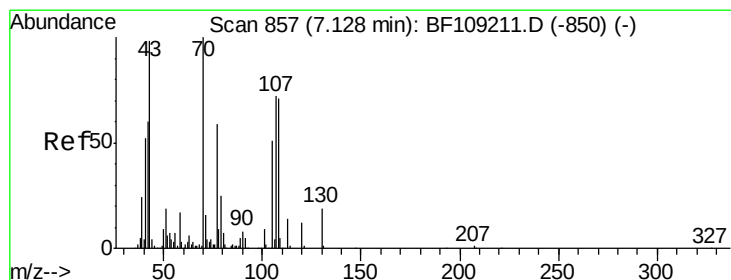
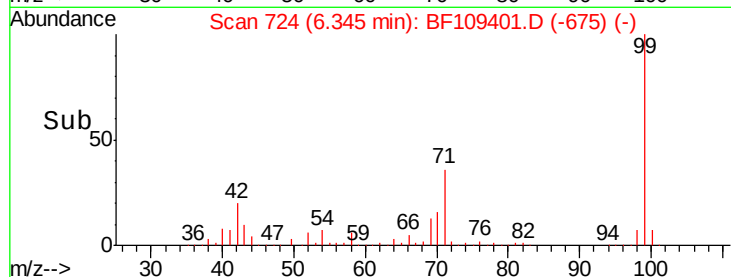
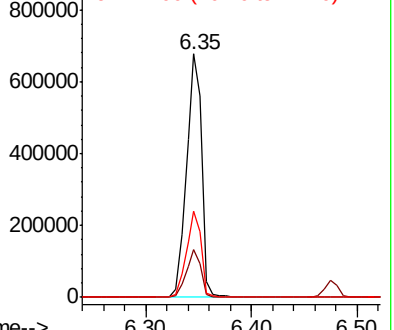
99 100

42 19.5 14.5 21.7

71 35.6 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: 10.346 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109401.D

Acq: 27 Sep 2018 21:28

Tgt Ion: 70 Resp: 57541

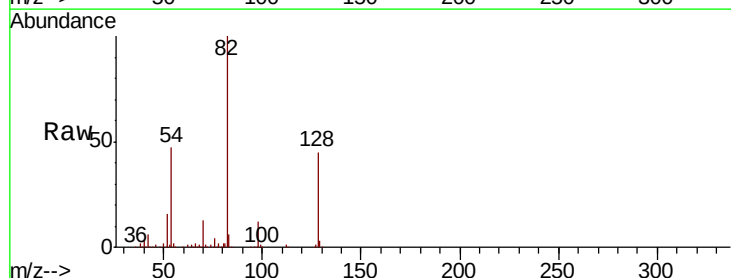
Ion Ratio Lower Upper

70 100

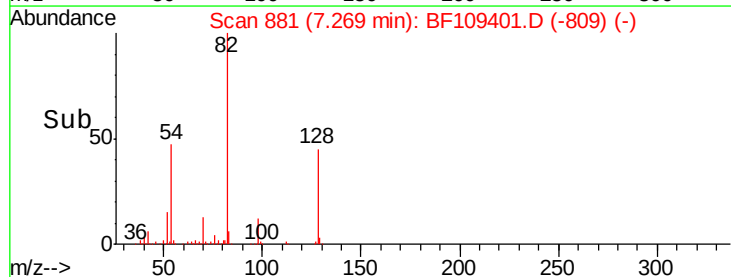
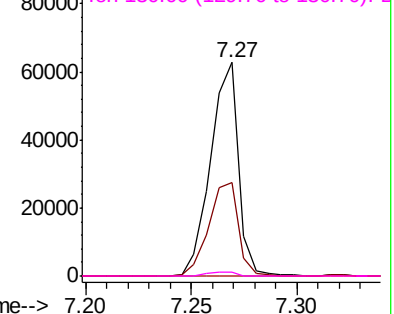
42 43.5 47.5 71.3#

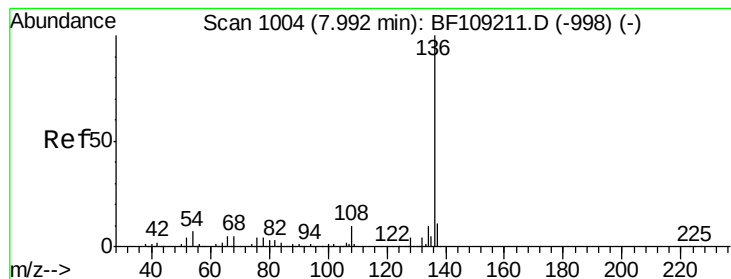
101 0.0 7.4 11.2#

130 2.0 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: BF109401.D

Acq: 27 Sep 2018 21:28

Instrument :

BNA_F

ClientSampleId :

PARCEL-193-092418-2

Tgt Ion:136 Resp: 407663

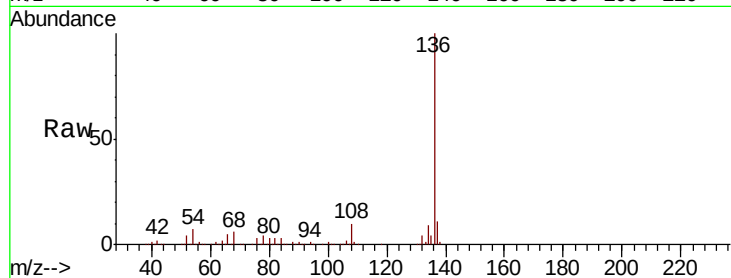
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.2 6.6 9.8

68 5.9 5.0 7.4

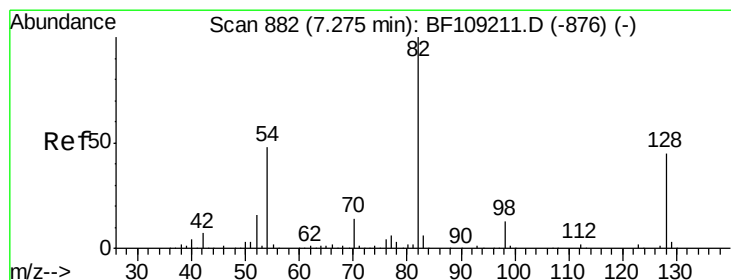
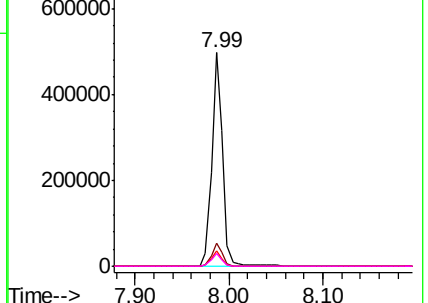
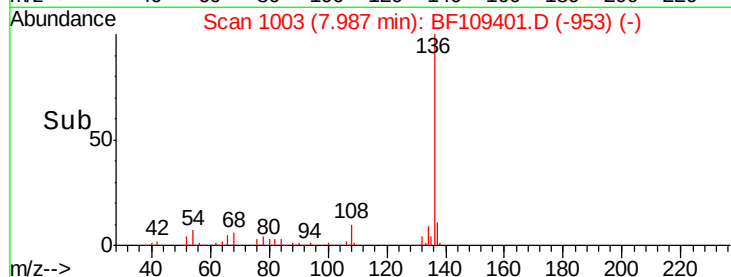


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.611 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109401.D

Acq: 27 Sep 2018 21:28

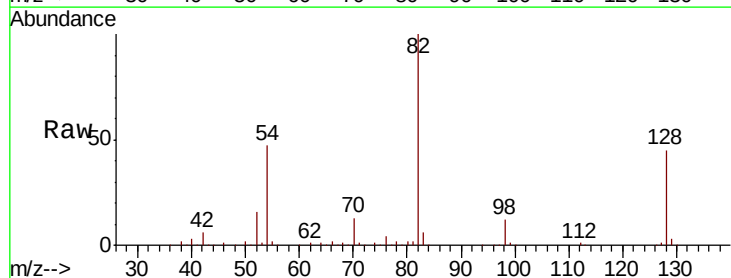
Tgt Ion: 82 Resp: 432381

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

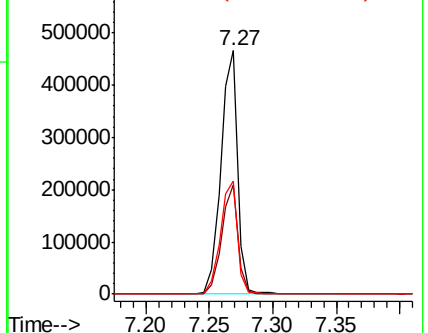
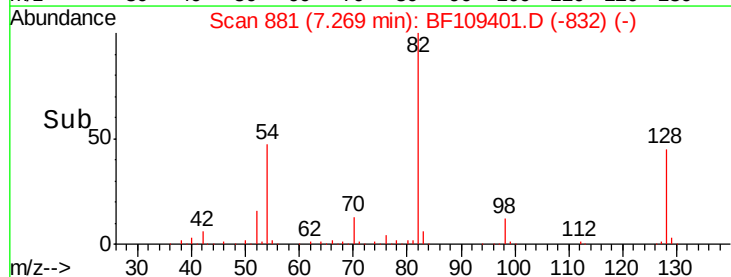
54 46.6 41.4 62.2

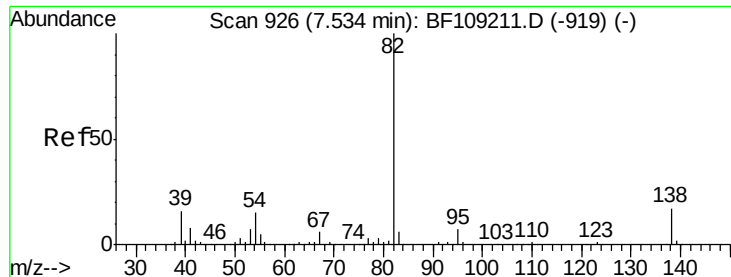


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

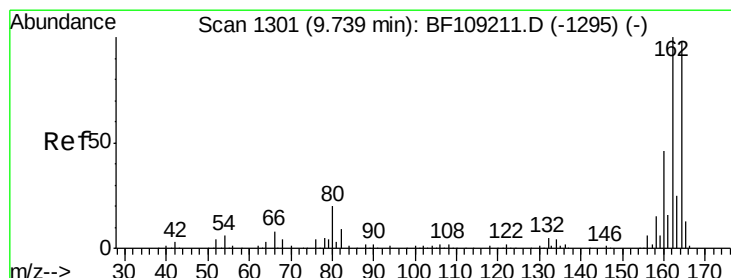
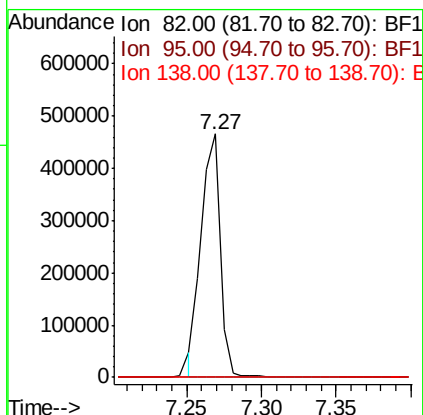
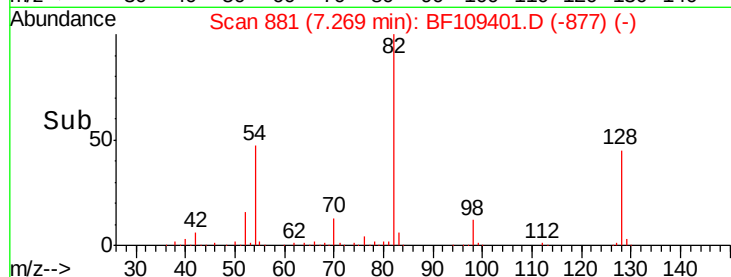
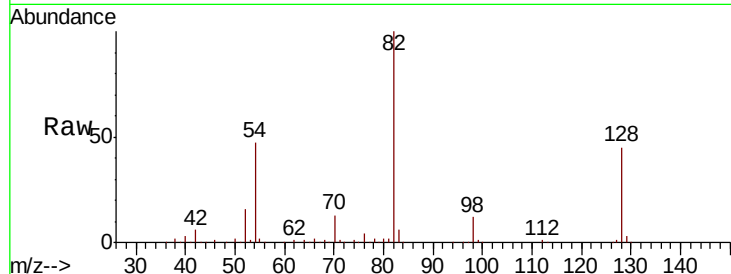




#25
Isophorone
Concen: 33.017 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109401.D
Acq: 27 Sep 2018 21:28

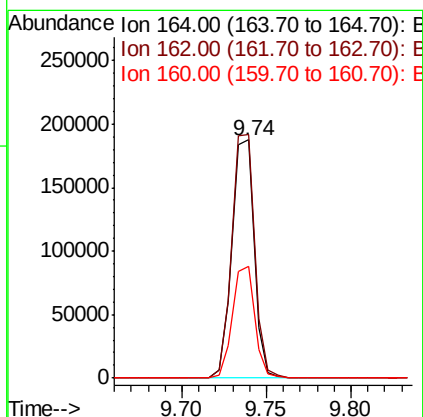
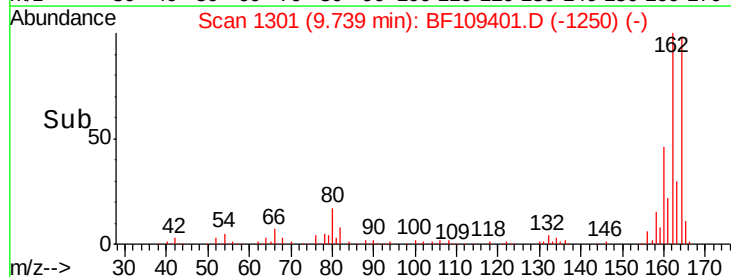
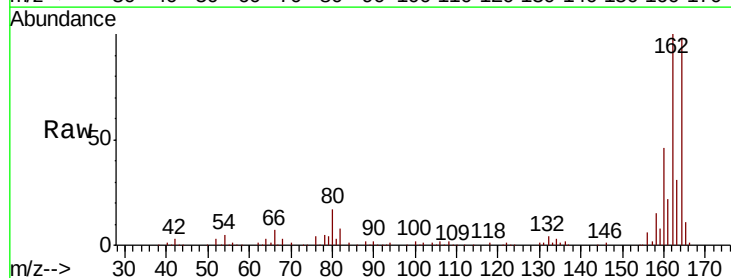
Instrument :
BNA_F
ClientSampleId :
PARCEL-193-092418-2

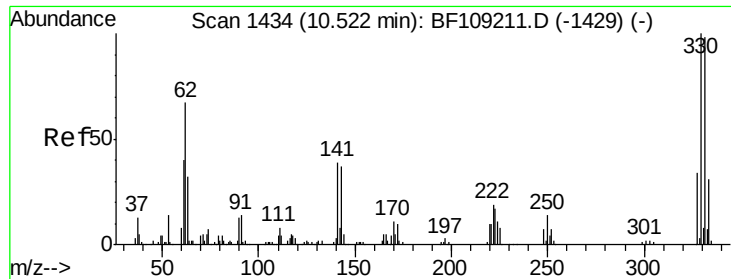
Tgt Ion: 82 Resp: 410590
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109401.D
Acq: 27 Sep 2018 21:28

Tgt Ion: 164 Resp: 171378
Ion Ratio Lower Upper
164 100
162 102.3 86.1 129.1
160 46.7 38.3 57.5

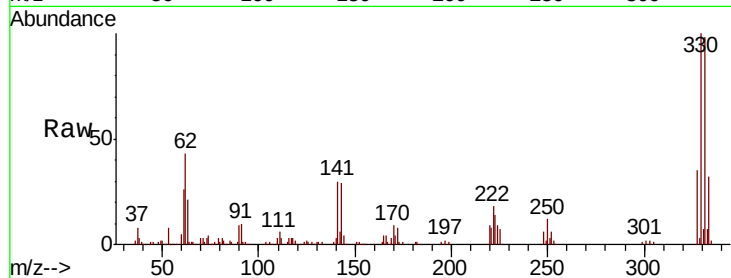




#41
 2,4,6-Tribromophenol
 Concen: 78.100 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109401.D
 Acq: 27 Sep 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-193-092418-2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	33.7	29.9	44.9

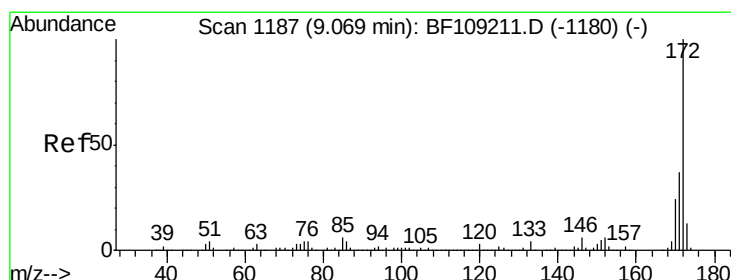
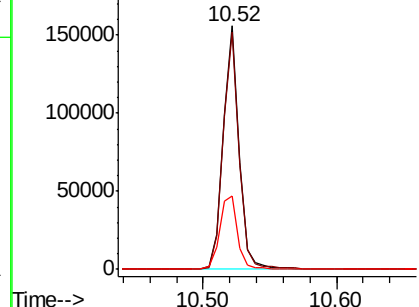
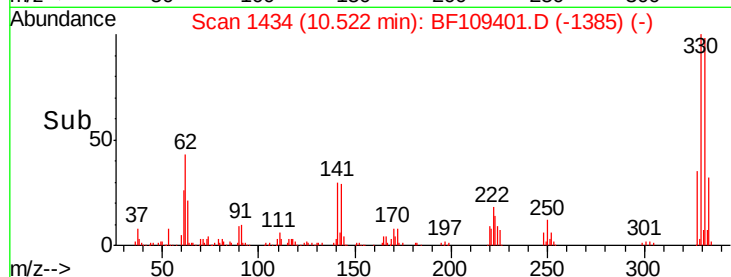


Abundance

Ion 329.80 (329.50 to 330.50): E

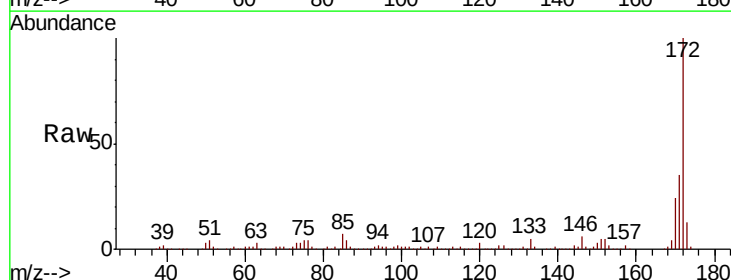
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 64.830 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109401.D
 Acq: 27 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.4	19.6	29.4

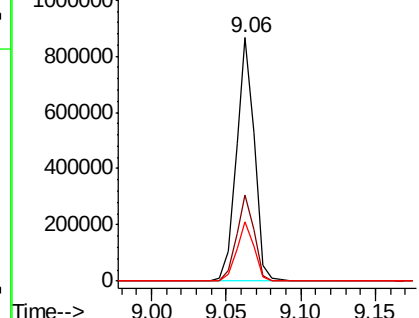
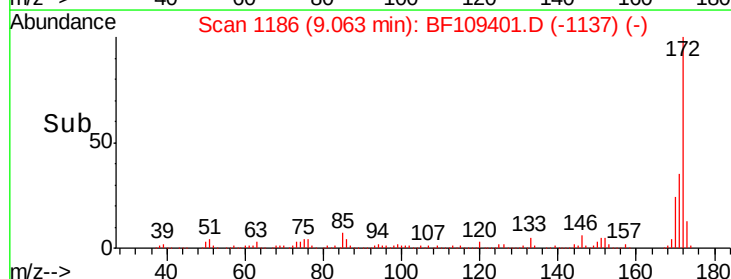


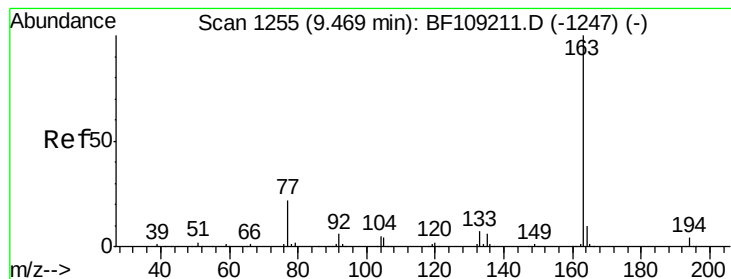
Abundance

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: 21.431 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109401.D

Acq: 27 Sep 2018 21:28

Instrument :

BNA_F

ClientSampleId :

PARCEL-193-092418-2

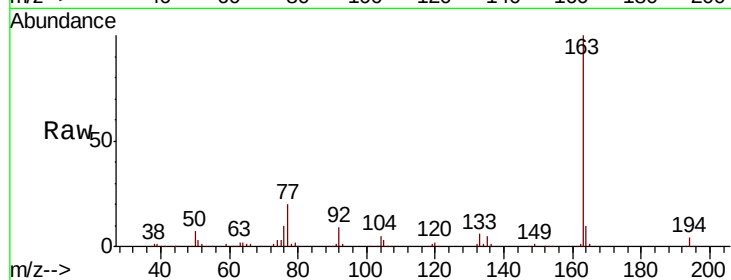
Tgt Ion:163 Resp: 267138

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

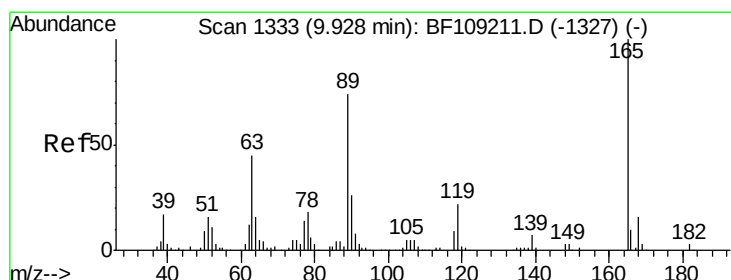
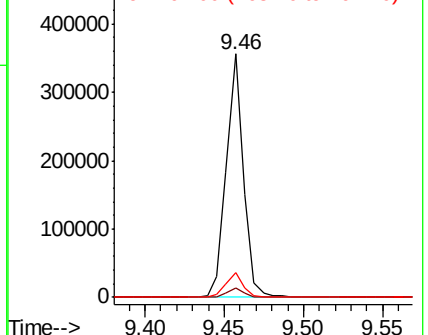
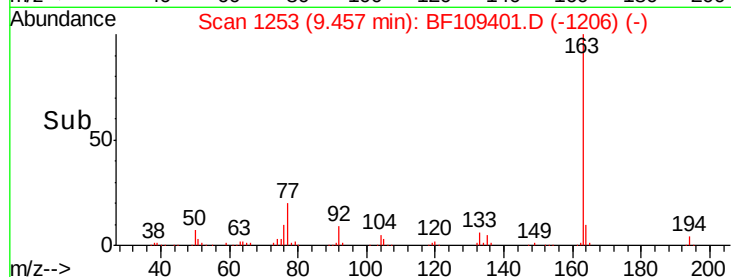
164 10.0 8.2 12.2



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: 6.754 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF109401.D

Acq: 27 Sep 2018 21:28

Tgt Ion:165 Resp: 21097

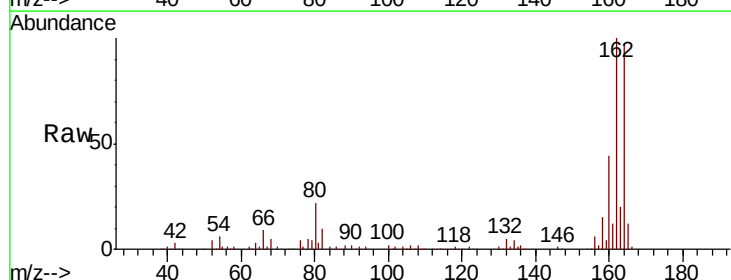
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

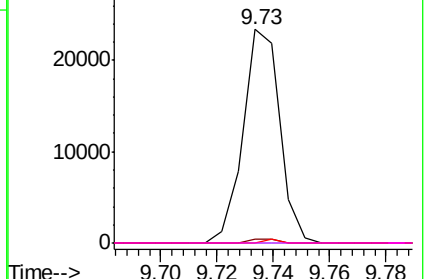
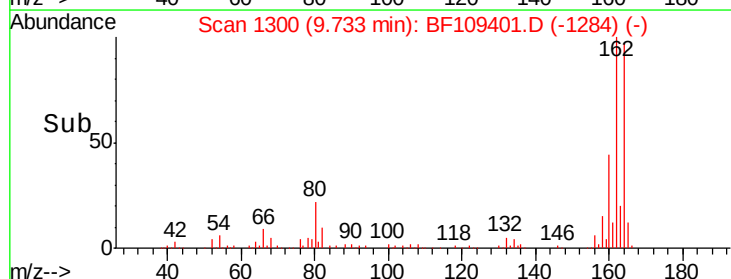


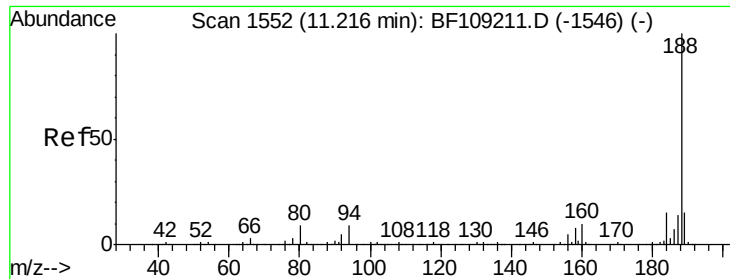
Abundance Ion 165.00 (164.70 to 165.70): E

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

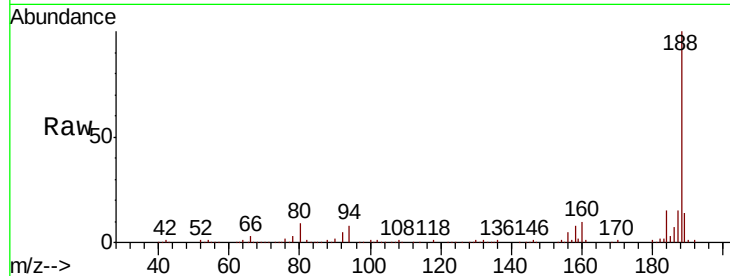




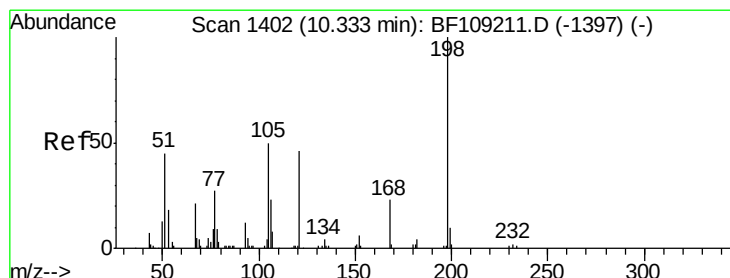
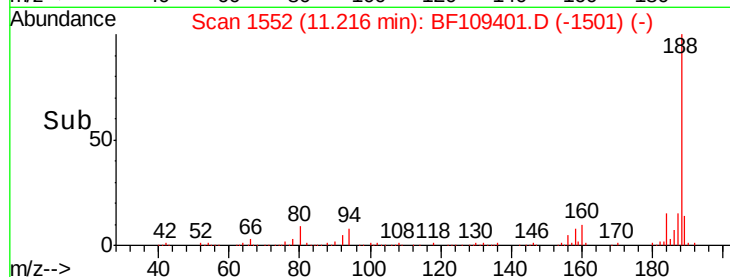
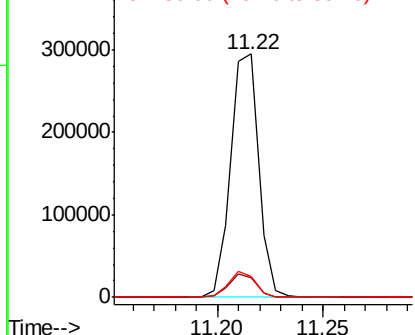
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109401.D
 Acq: 27 Sep 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-193-092418-2

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	270430		
94	8.2		8.5	12.7#
80	8.8		9.2	13.8#

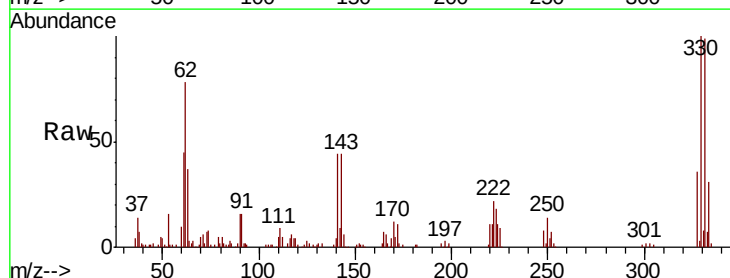


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

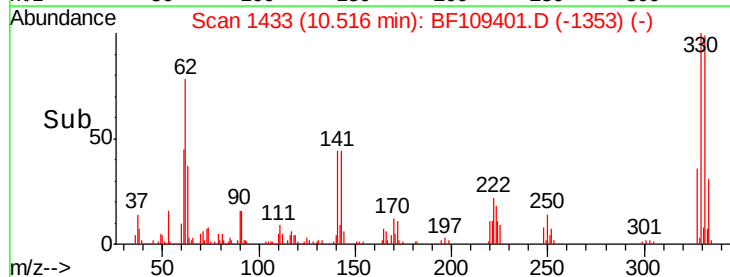
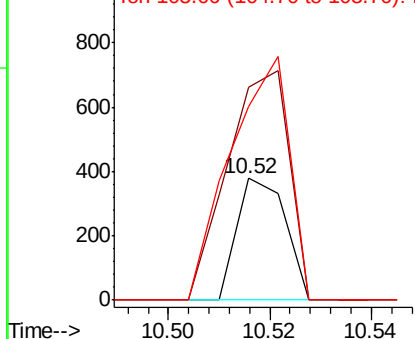


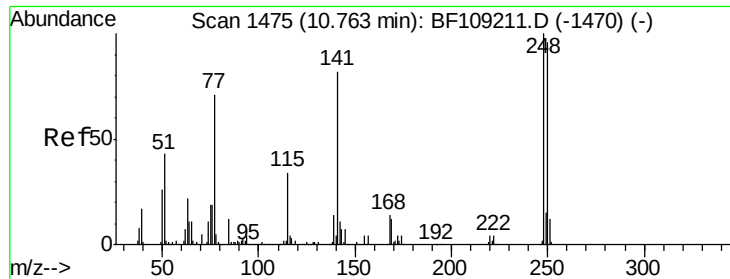
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.720 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109401.D
 Acq: 27 Sep 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	251		
51	175.4		37.7	77.7#
105	159.3		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

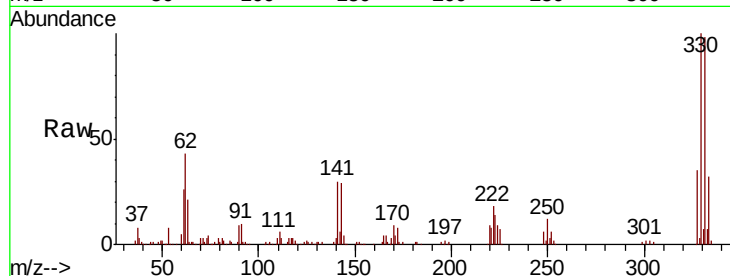




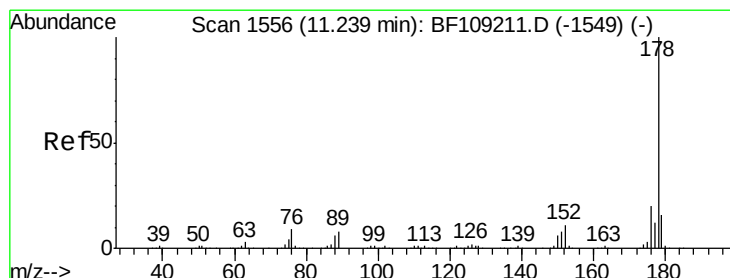
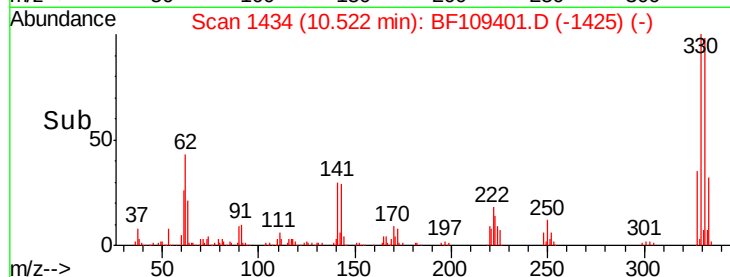
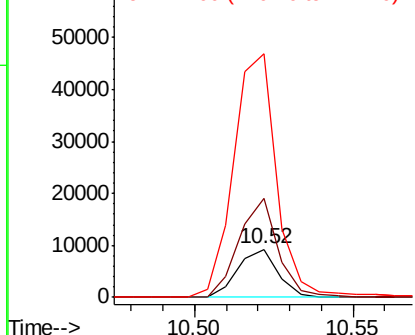
#66
4-Bromophenyl-phenylether
Concen: 2.704 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109401.D
Acq: 27 Sep 2018 21:28

Instrument :
BNA_F
ClientSampleId :
PARCEL-193-092418-2

Tgt Ion:248 Resp: 8120
Ion Ratio Lower Upper
248 100
250 204.1 76.9 115.3#
141 503.9 74.4 111.6#

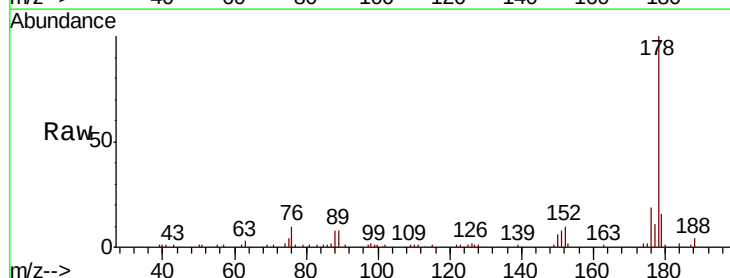


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

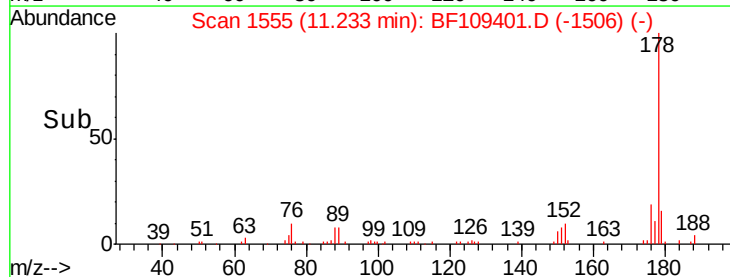
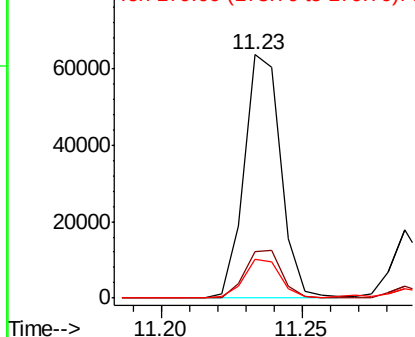


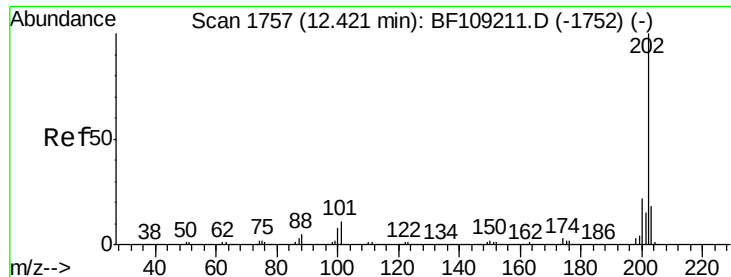
#70
Phenanthrene
Concen: 4.233 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109401.D
Acq: 27 Sep 2018 21:28

Tgt Ion:178 Resp: 57158
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 16.1 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: 7.351 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109401.D

Acq: 27 Sep 2018 21:28

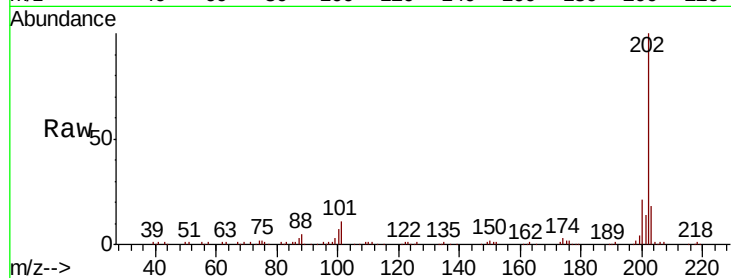
Instrument :

BNA_F

ClientSampleId :

PARCEL-193-092418-2

Tgt Ion:	202	Resp:	106067
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	17.5	0.0	38.1

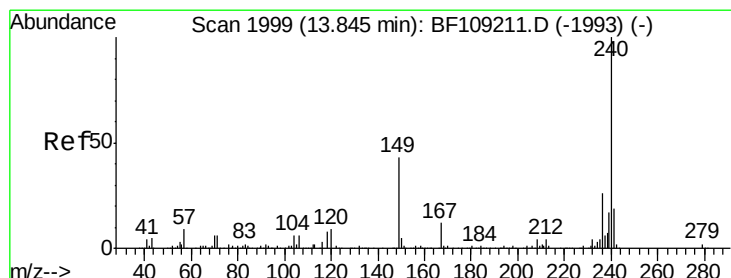
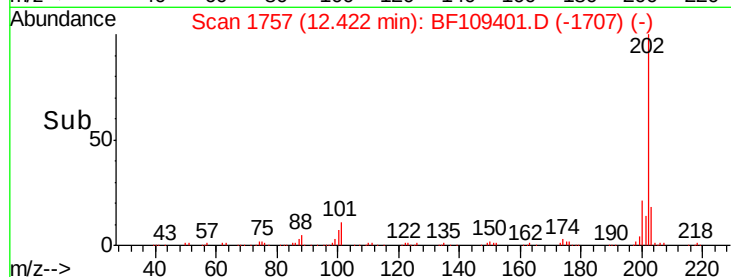
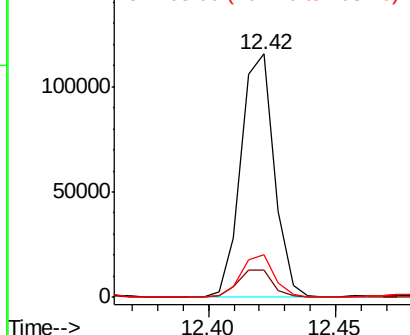


Abundance

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

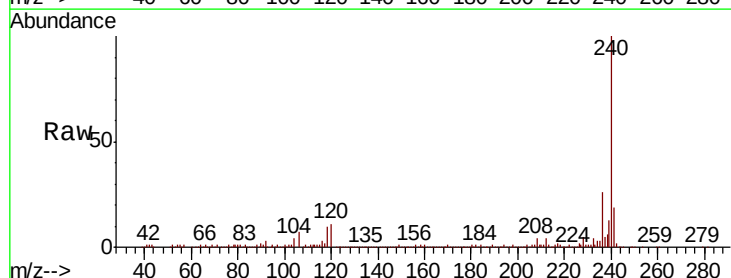
RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109401.D

Acq: 27 Sep 2018 21:28

Tgt Ion:	240	Resp:	254925
Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.5	14.3
236	25.7	20.7	31.1

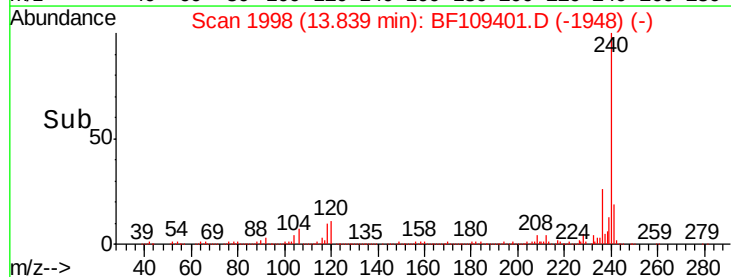
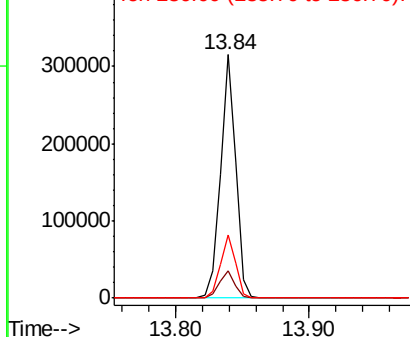


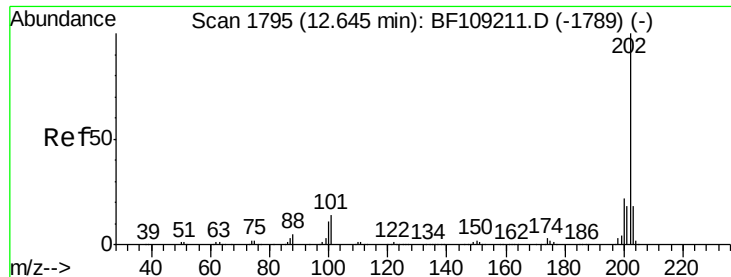
Abundance

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

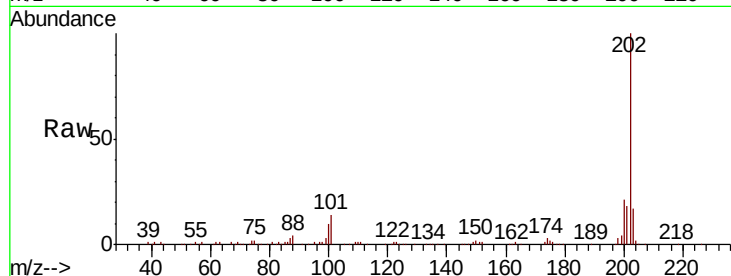




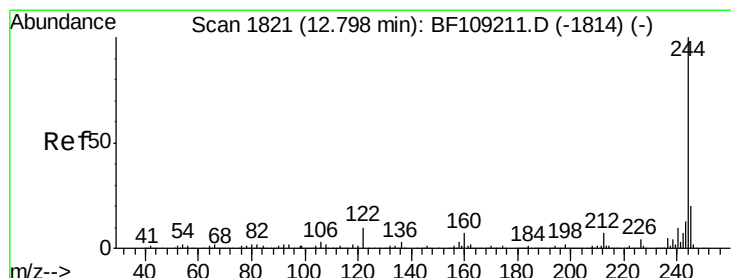
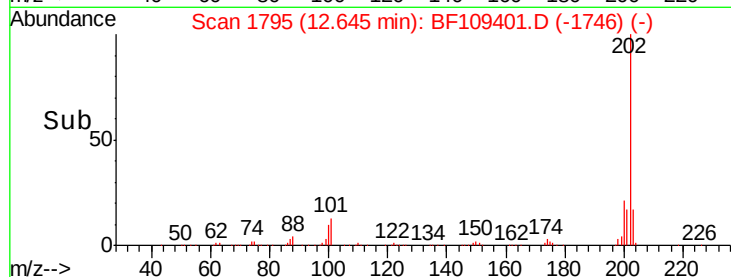
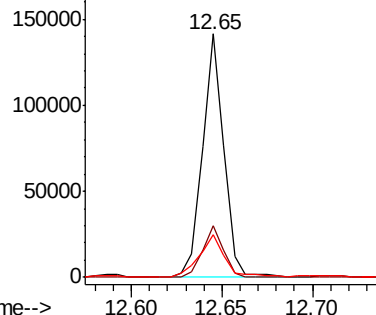
#77
 Pyrene
 Concen: 6.383 ng
 RT: 12.65 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF109401.D
 Acq: 27 Sep 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-193-092418-2

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.5	14.3	21.5

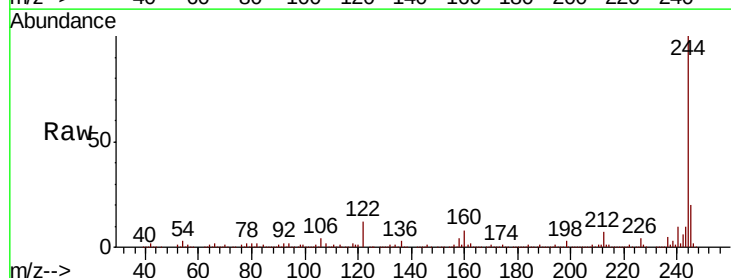


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

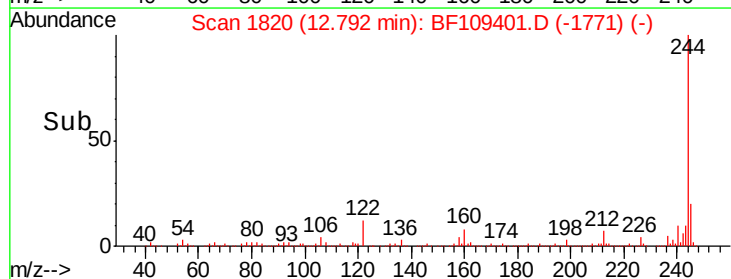
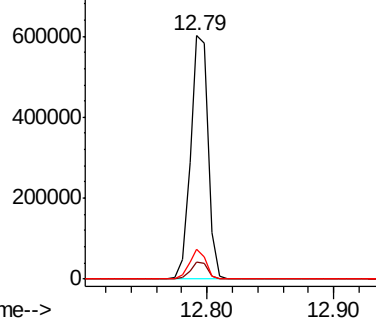


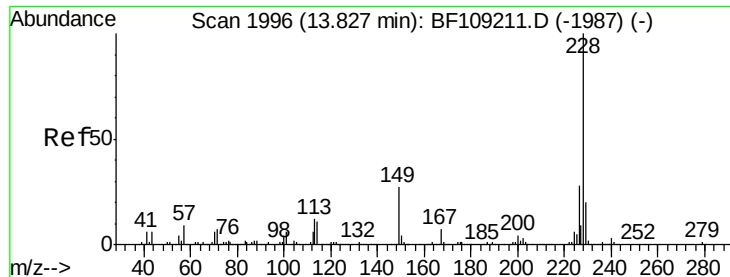
#78
 Terphenyl-d14
 Concen: 56.239 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109401.D
 Acq: 27 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	12.4	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: 3.689 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109401.D

Acq: 27 Sep 2018 21:28

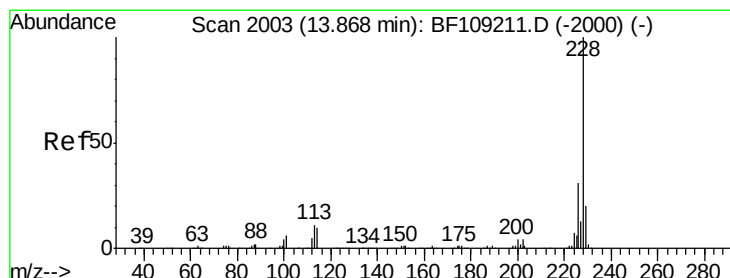
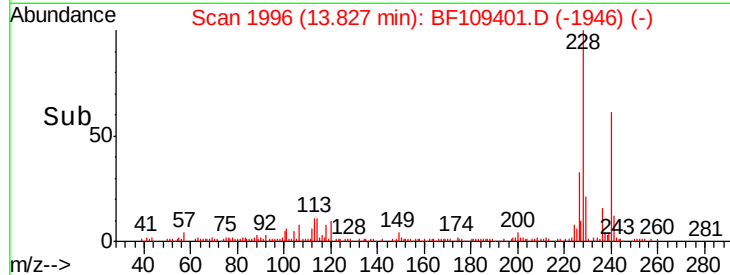
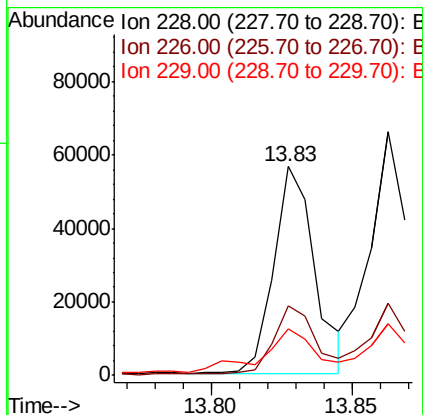
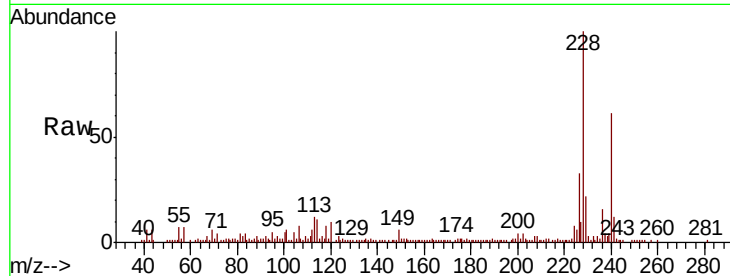
Instrument :

BNA_F

ClientSampleId :

PARCEL-193-092418-2

Tgt Ion:	228	Resp:	56639
Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.6	33.8
229	22.1	15.8	23.6



#82

Chrysene

Concen: 3.951 ng

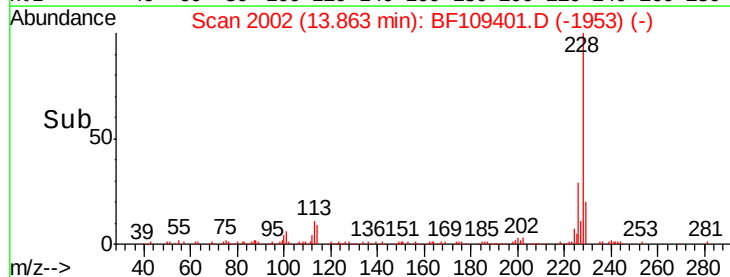
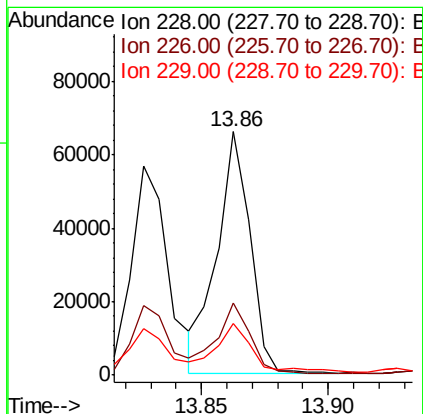
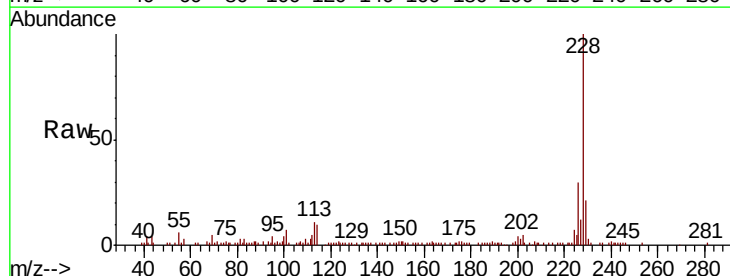
RT: 13.86 min Scan# 2002

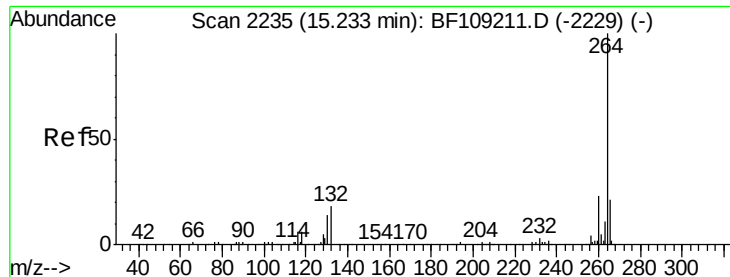
Delta R.T. -0.01 min

Lab File: BF109401.D

Acq: 27 Sep 2018 21:28

Tgt Ion:	228	Resp:	60133
Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.5	16.2	24.4

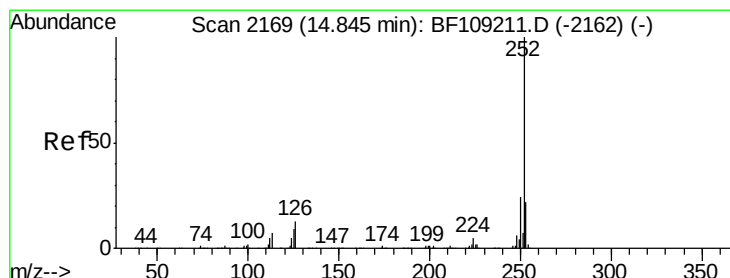
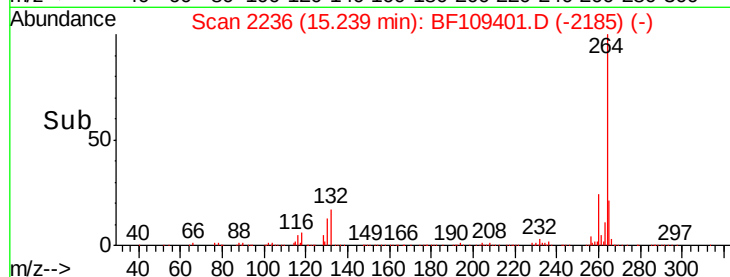
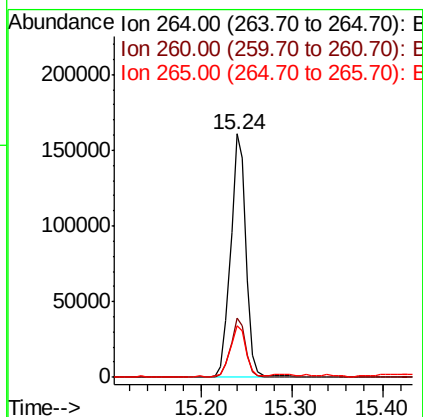
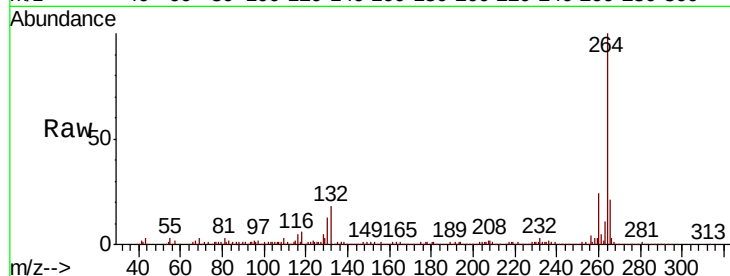




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109401.D
Acq: 27 Sep 2018 21:28

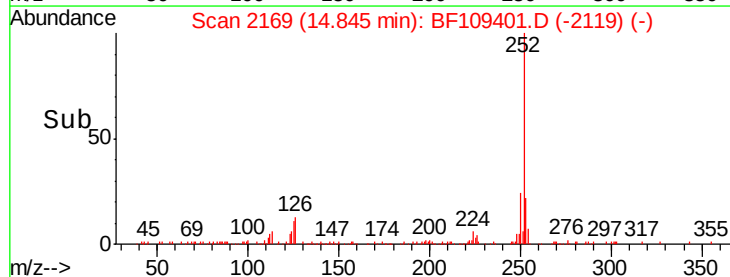
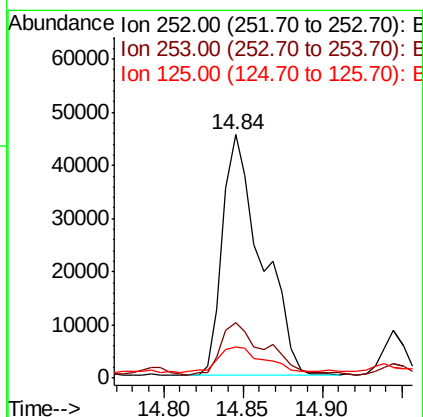
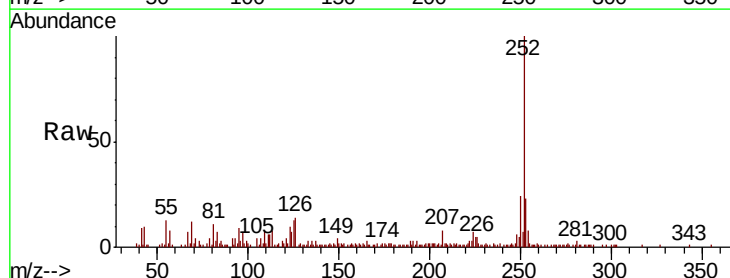
Instrument :
BNA_F
ClientSampleId :
PARCEL-193-092418-2

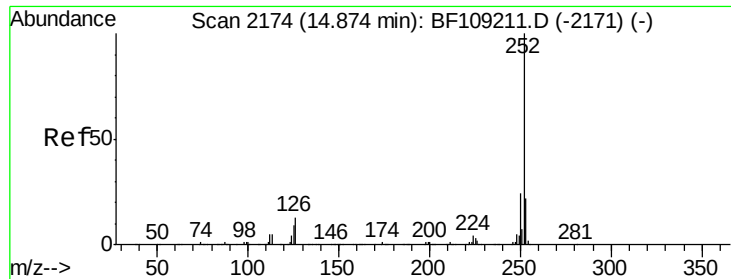
Tgt Ion:264 Resp: 190862
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 7.427 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109401.D
Acq: 27 Sep 2018 21:28

Tgt Ion:252 Resp: 77893
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 12.9 9.0 13.6

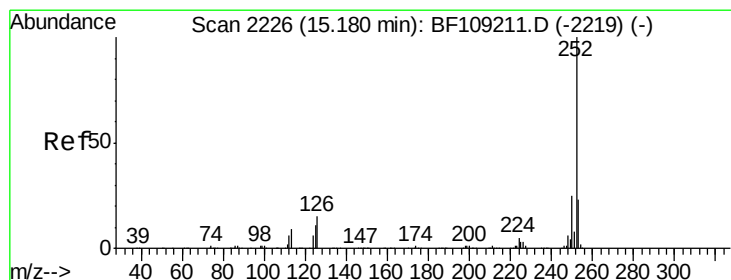
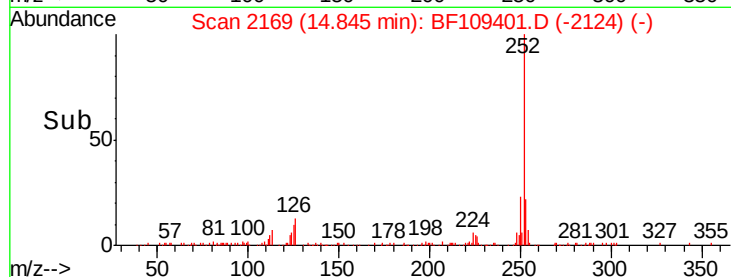
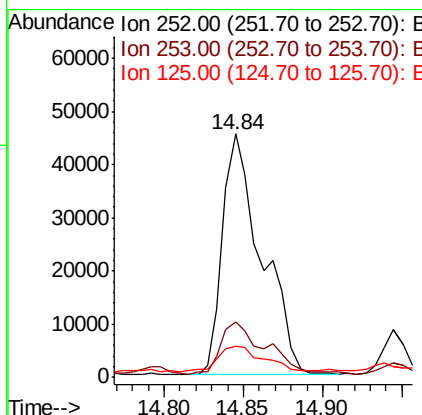
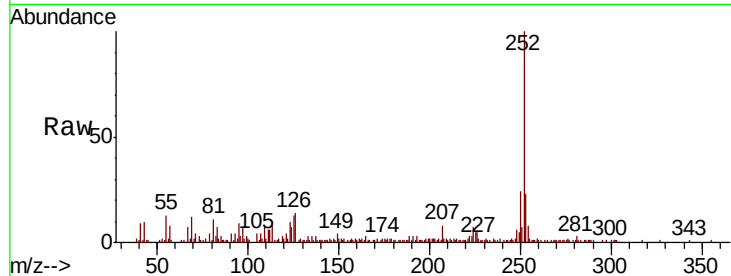




#88
Benzo(k)fluoranthene
Concen: 7.827 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109401.D
Acq: 27 Sep 2018 21:28

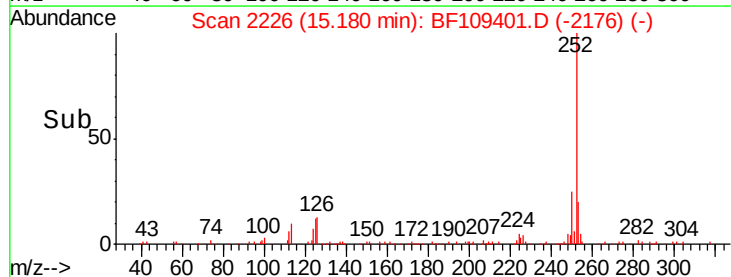
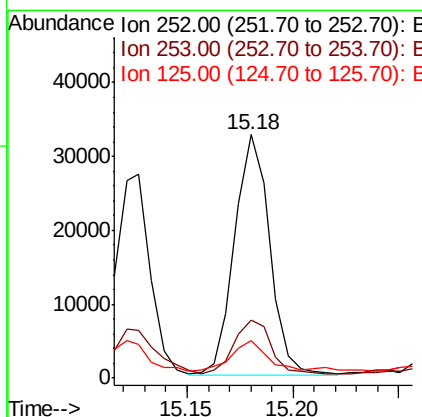
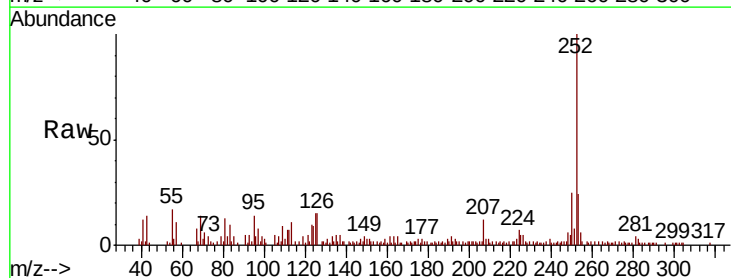
Instrument :
BNA_F
ClientSampleId :
PARCEL-193-092418-2

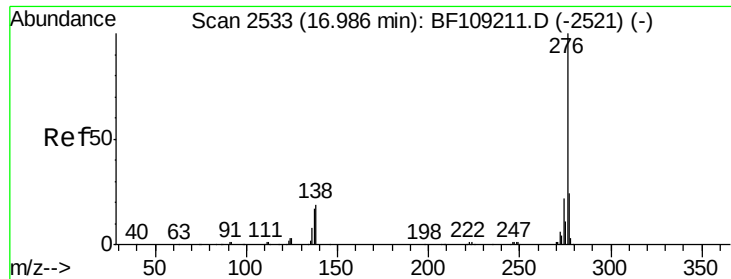
Tgt Ion:252 Resp: 77893
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 12.9 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.987 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109401.D
Acq: 27 Sep 2018 21:28

Tgt Ion:252 Resp: 37683
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 15.4 9.8 14.6#





#91

Benzo(g,h,i)perylene

Concen: 3.221 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF109401.D

Acq: 27 Sep 2018 21:28

Instrument :

BNA_F

ClientSampleId :

PARCEL-193-092418-2

Tgt Ion: 276 Resp: 24541

Ion Ratio Lower Upper

276 100

277 25.6 17.9 26.9

138 21.6 21.8 32.8#

