

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
 Data File : BF109400.D
 Acq On : 27 Sep 2018 21:02
 Operator : JU/SJ
 Sample : J5077-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-193-092418-1

Quant Time: Sep 28 05:15:11 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

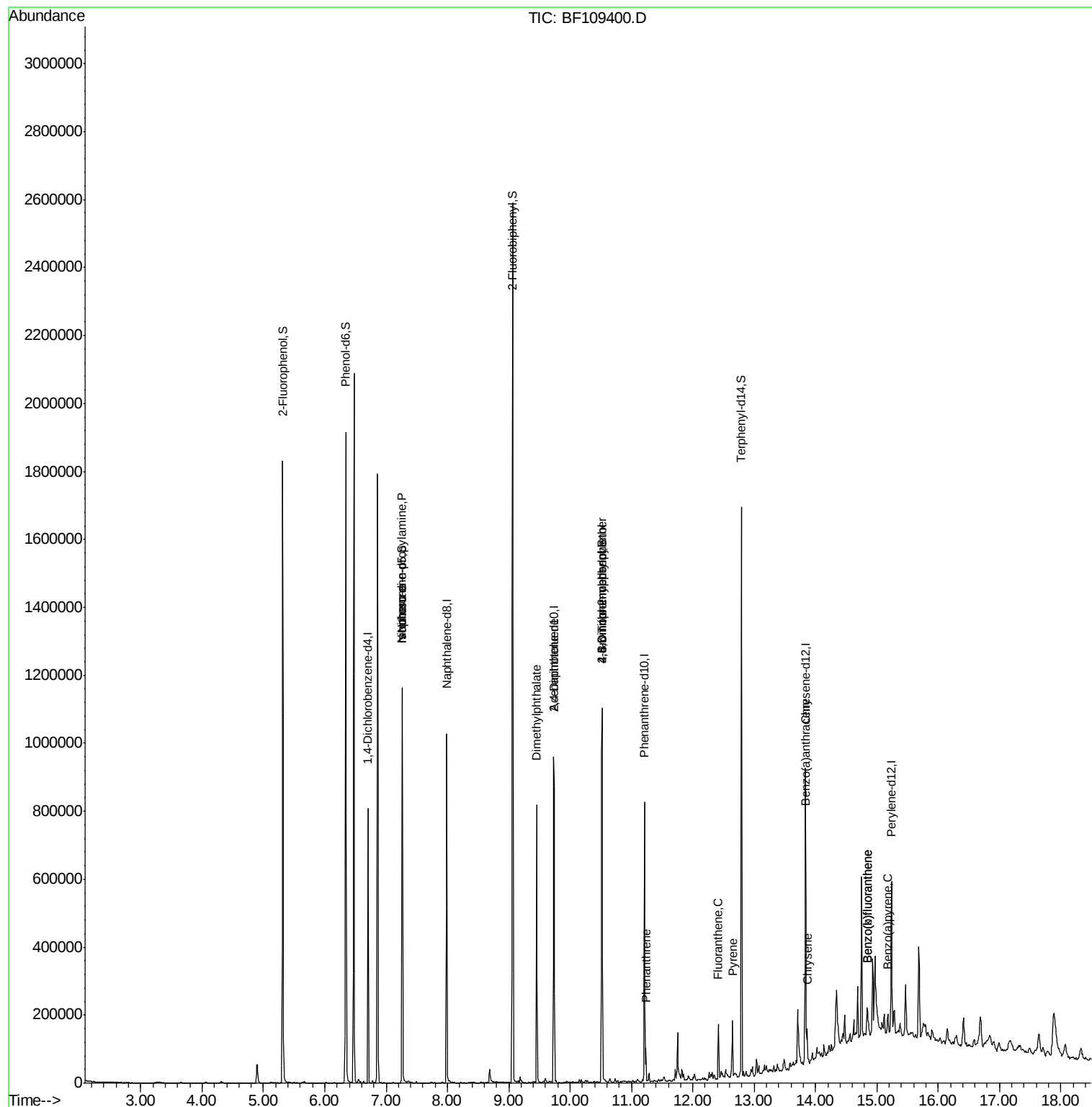
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	112244	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	429488	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	190310	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	305953	20.00	ng	0.00
75) Chrysene-d12	13.84	240	262713	20.00	ng	0.00
86) Perylene-d12	15.24	264	202174	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	487854	71.59	ng	0.00
7) Phenol-d6	6.35	99	623225	71.67	ng	-0.01
23) Nitrobenzene-d5	7.26	82	400685	55.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	134143	71.50	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	734536	58.21	ng	-0.01
78) Terphenyl-d14	12.79	244	555102	51.86	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	52767	9.261	ng	# 78
25) Isophorone	7.26	82	379534	28.969	ng	# 64
49) Dimethylphthalate	9.46	163	282743	20.427	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	24101	6.948	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	264	6.706	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	8072	2.376	ng	# 1
70) Phenanthrene	11.23	178	33797	2.212	ng	98
74) Fluoranthene	12.42	202	63381	3.882	ng	98
77) Pyrene	12.64	202	66302	3.521	ng	97
80) Benzo(a)anthracene	13.83	228	32575	2.059	ng	93
82) Chrysene	13.86	228	34862	2.223	ng	98
87) Benzo(b)fluoranthene	14.84	252	51382	4.625	ng	# 92
88) Benzo(k)fluoranthene	14.84	252	51382	4.874	ng	95
89) Benzo(a)pyrene	15.18	252	22421	2.240	ng	# 90

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

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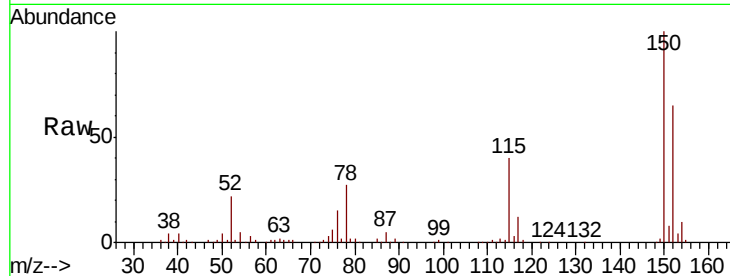




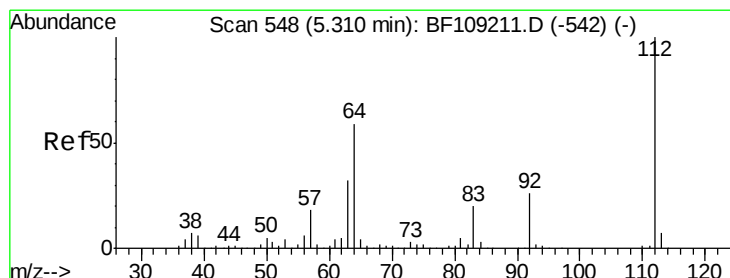
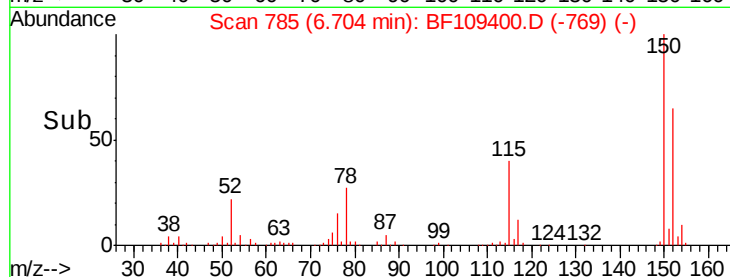
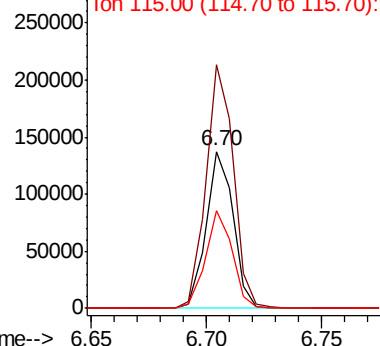
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109400.D
 Acq: 27 Sep 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-193-092418-1

Tgt Ion:152 Resp: 112244
 Ion Ratio Lower Upper
 152 100
 150 155.0 124.6 186.8
 115 62.5 50.1 75.1

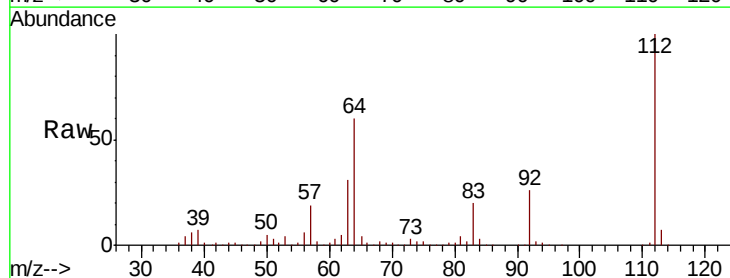


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

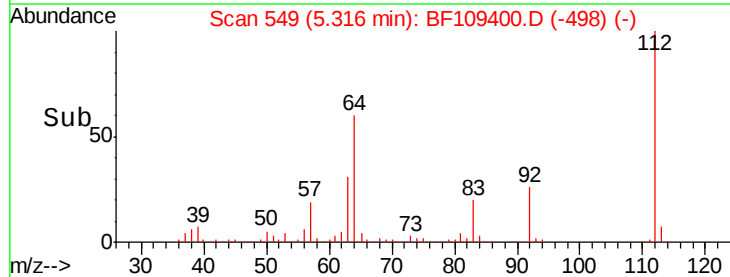
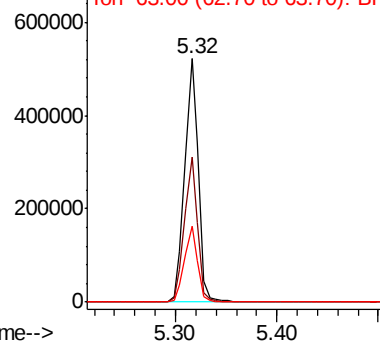


#5
 2-Fluorophenol
 Concen: 71.588 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109400.D
 Acq: 27 Sep 2018 21:02

Tgt Ion:112 Resp: 487854
 Ion Ratio Lower Upper
 112 100
 64 59.6 47.9 71.9
 63 31.4 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: 71.669 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109400.D

Acq: 27 Sep 2018 21:02

Instrument :

BNA_F

ClientSampleId :

PARCEL-193-092418-1

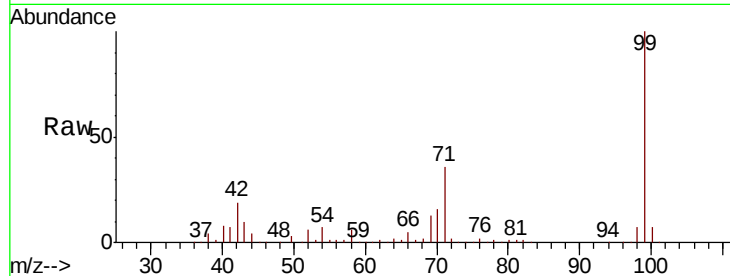
Tgt Ion: 99 Resp: 623225

Ion Ratio Lower Upper

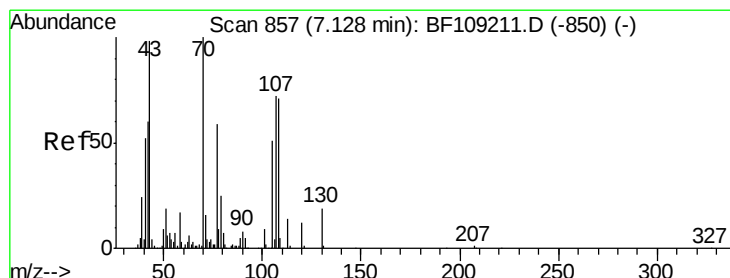
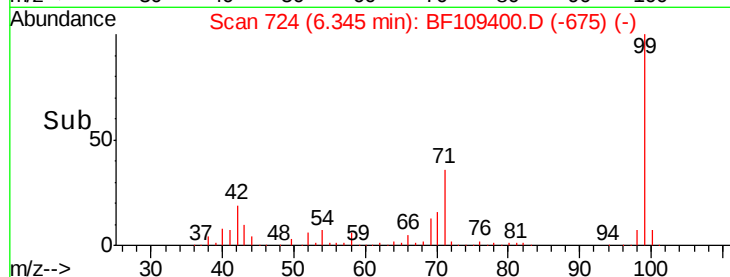
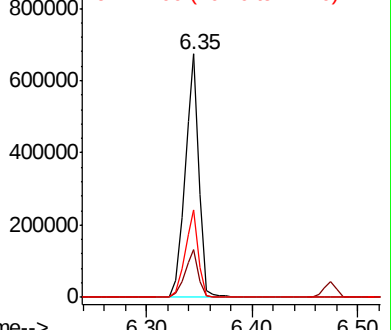
99 100

42 19.4 14.5 21.7

71 35.9 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: 9.261 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109400.D

Acq: 27 Sep 2018 21:02

Tgt Ion: 70 Resp: 52767

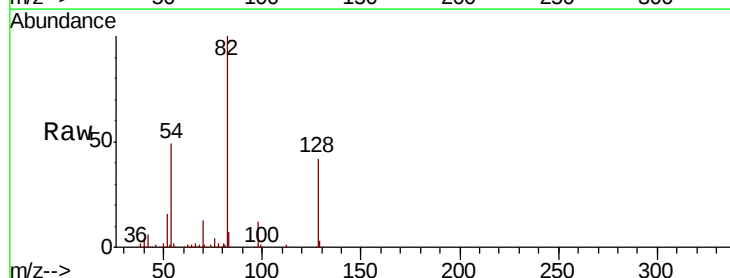
Ion Ratio Lower Upper

70 100

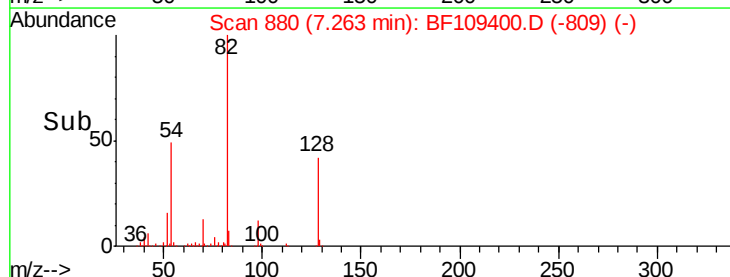
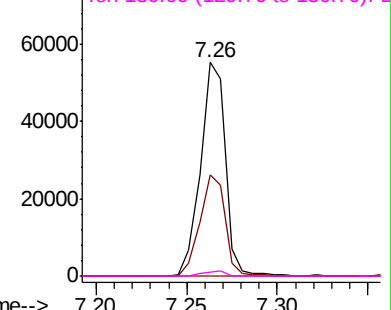
42 47.6 47.5 71.3

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# 1003

Delta R.T. -0.01 min

Lab File: BF109400.D

Acq: 27 Sep 2018 21:02

Instrument :

BNA_F

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PARCEL-193-092418-1

Tgt Ion: 136 Resp: 429488

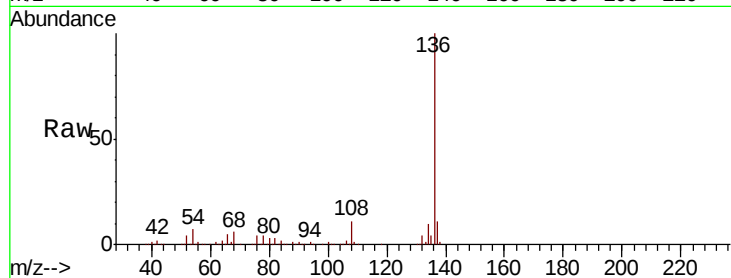
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.2 6.6 9.8

68 5.7 5.0 7.4

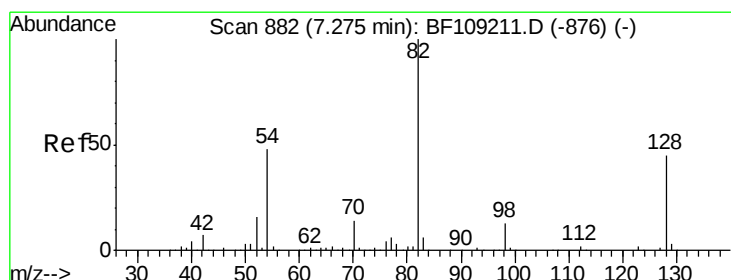
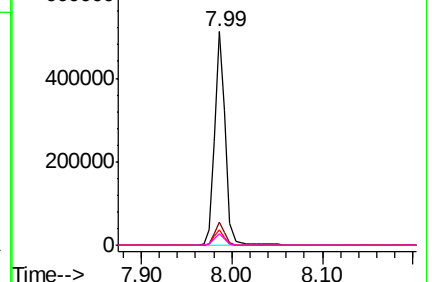
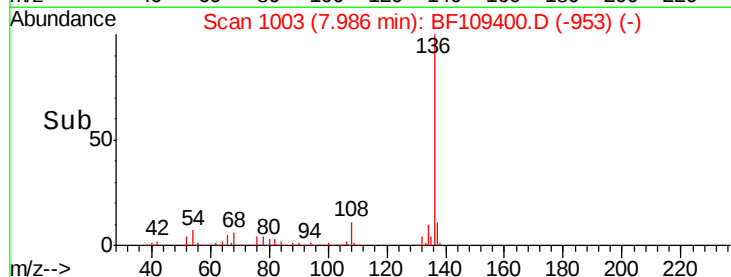


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.073 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109400.D

Acq: 27 Sep 2018 21:02

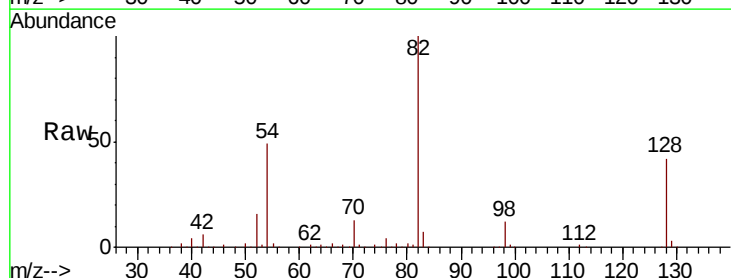
Tgt Ion: 82 Resp: 400685

Ion Ratio Lower Upper

82 100

128 41.8 36.1 54.1

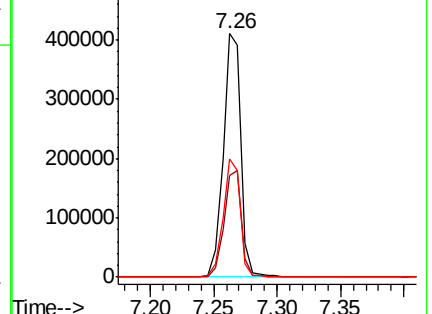
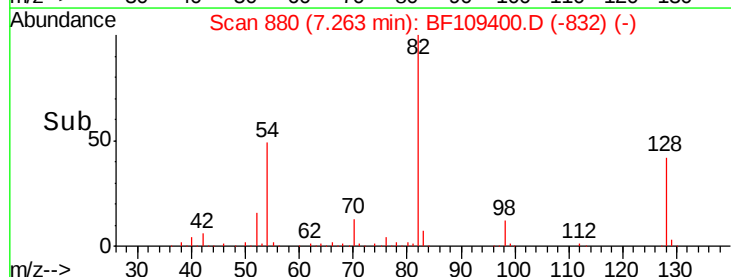
54 48.7 41.4 62.2

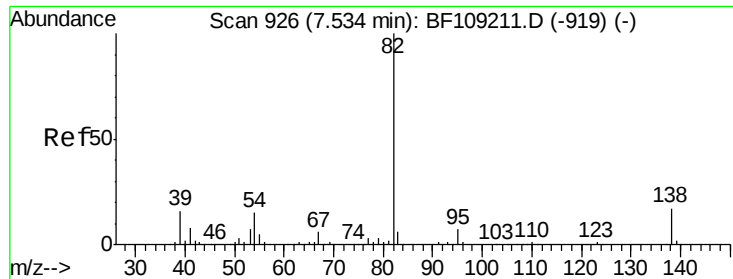


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

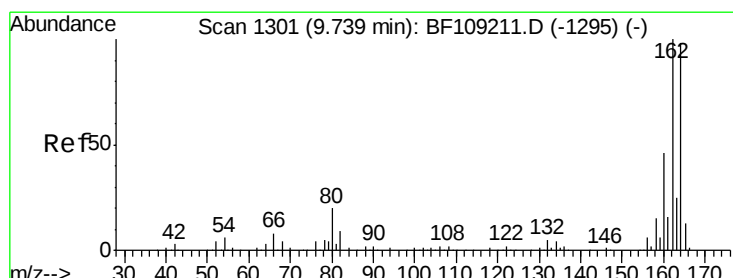
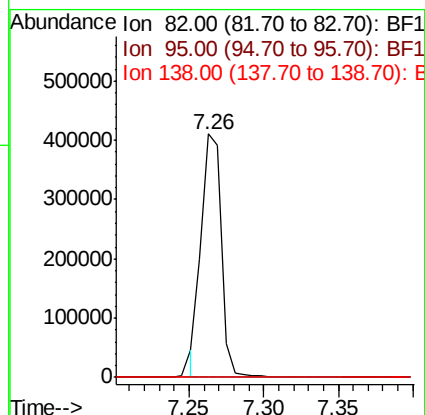
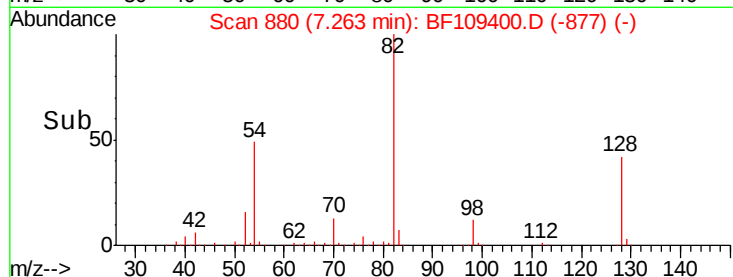
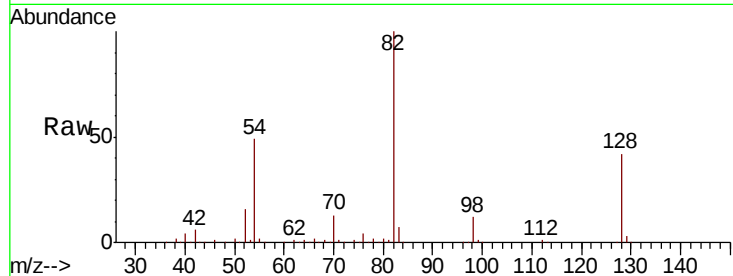




#25
Isophorone
Concen: 28.969 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109400.D
Acq: 27 Sep 2018 21:02

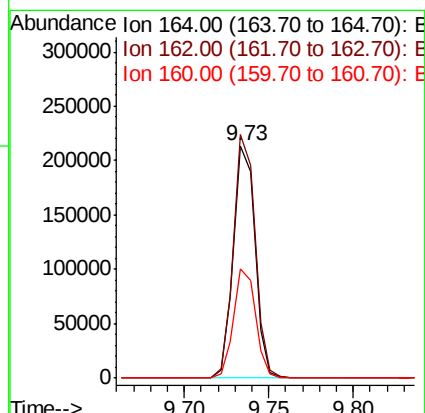
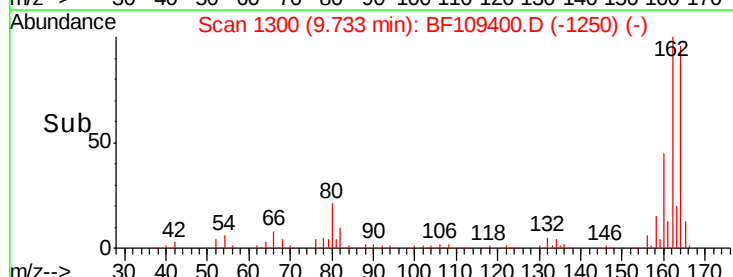
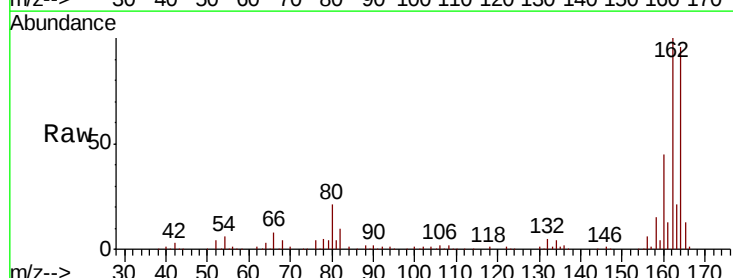
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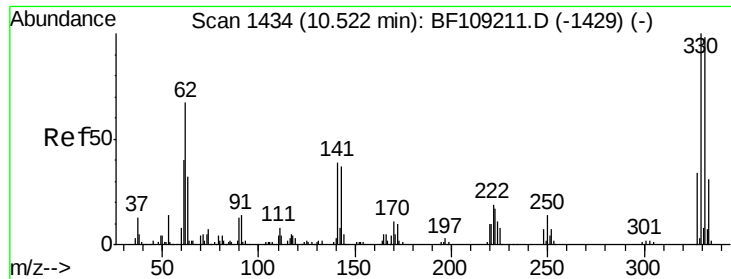
Tgt Ion: 82 Resp: 379534
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109400.D
Acq: 27 Sep 2018 21:02

Tgt Ion: 164 Resp: 190310
Ion Ratio Lower Upper
164 100
162 104.7 86.1 129.1
160 46.8 38.3 57.5

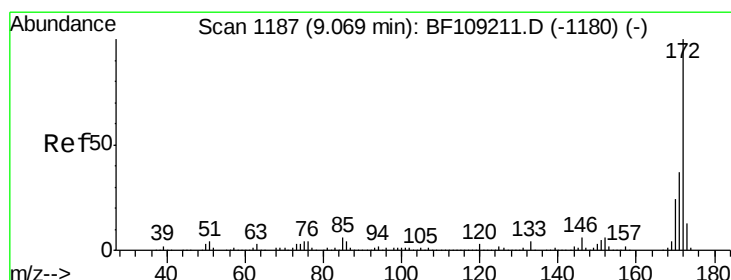
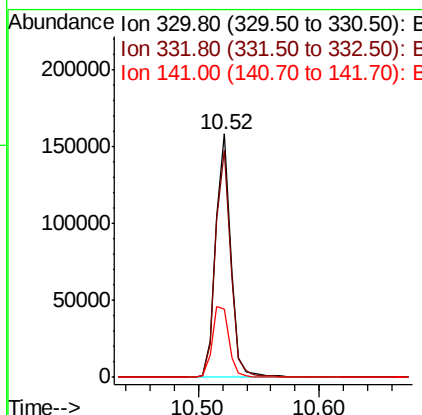
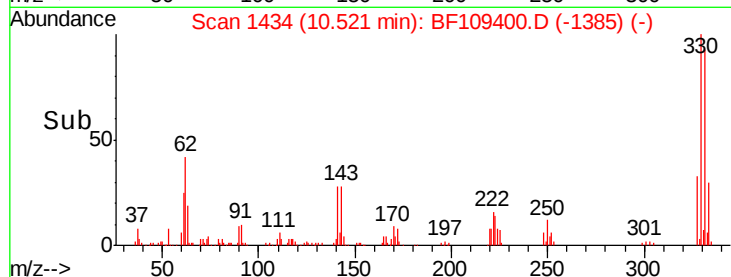
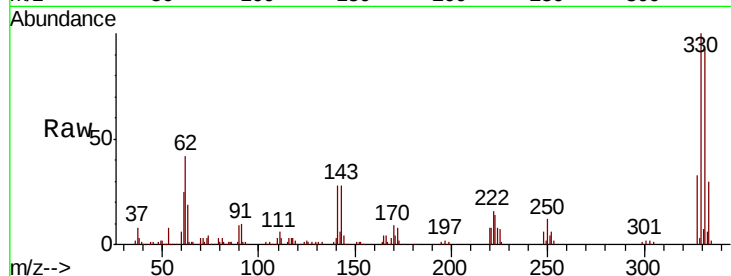




#41
 2,4,6-Tribromophenol
 Concen: 71.502 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109400.D
 Acq: 27 Sep 2018 21:02

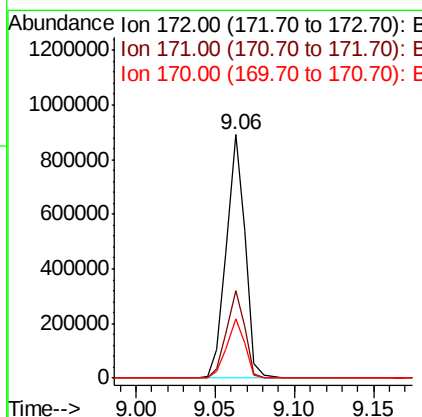
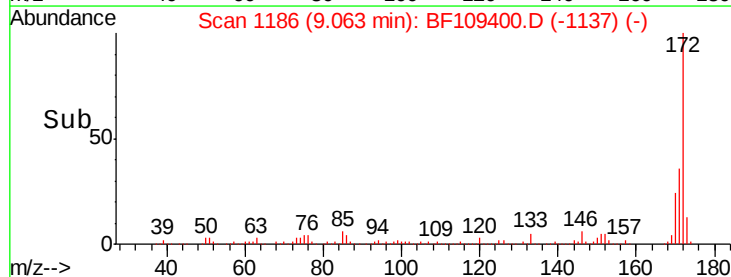
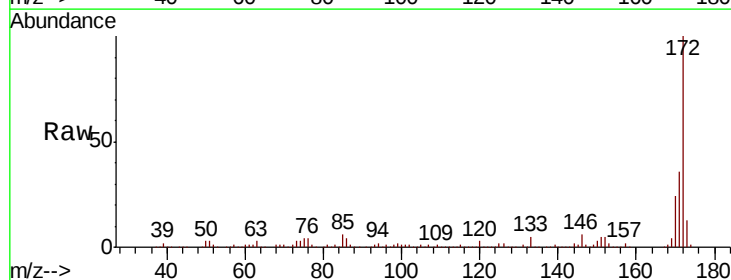
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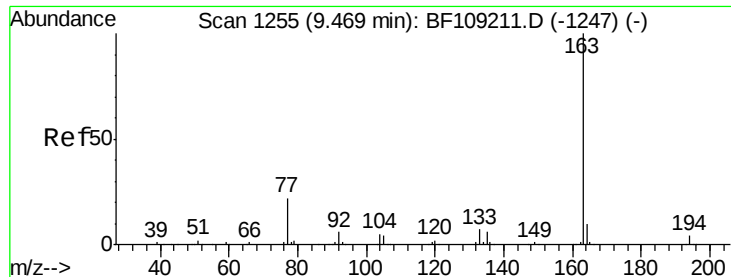
Tgt Ion: 330 Resp: 134143
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 32.7 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 58.211 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109400.D
 Acq: 27 Sep 2018 21:02

Tgt Ion: 172 Resp: 734536
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.2 19.6 29.4

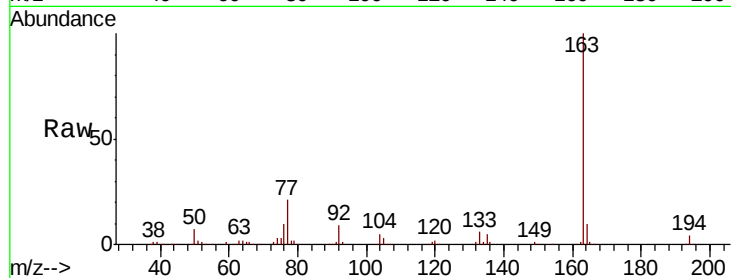




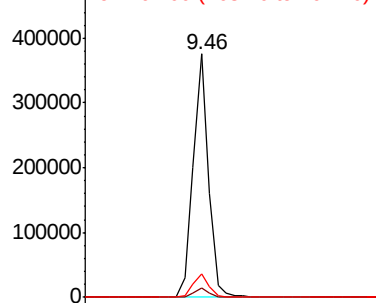
#49
Dimethylphthalate
Concen: 20.427 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109400.D
Acq: 27 Sep 2018 21:02

Instrument :
BNA_F
ClientSampleId :
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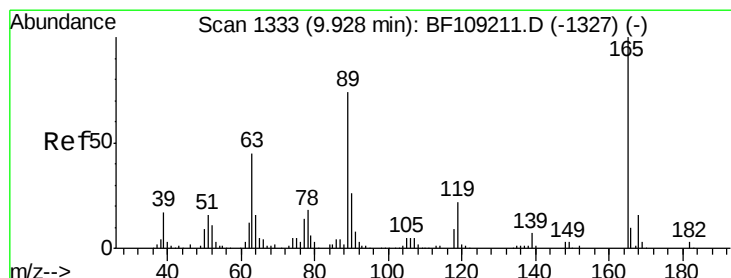
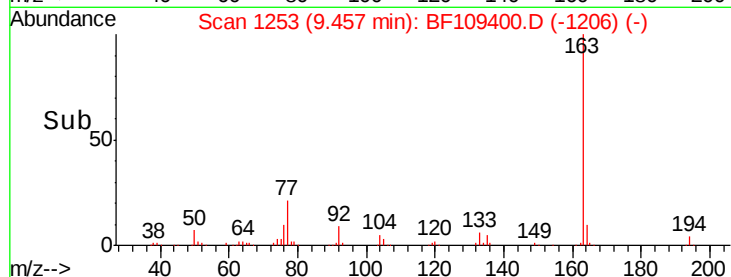
Tgt Ion:163 Resp: 282743
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.8 8.2 12.2



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

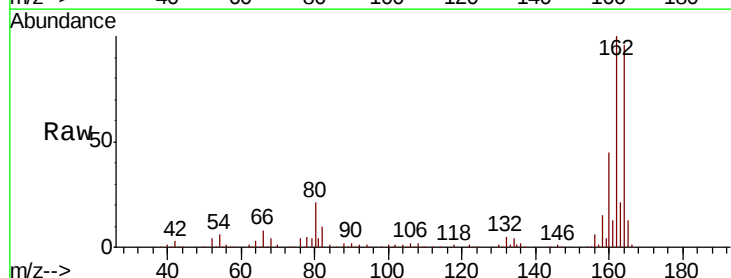


Time-->

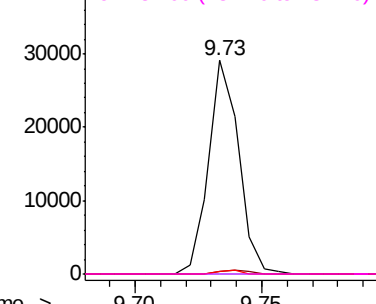


#56
2,4-Dinitrotoluene
Concen: 6.948 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109400.D
Acq: 27 Sep 2018 21:02

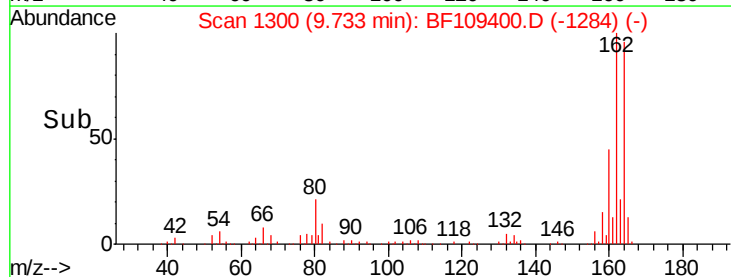
Tgt Ion:165 Resp: 24101
Ion Ratio Lower Upper
165 100
63 1.0 36.4 54.6#
89 1.1 57.8 86.6#
182 0.0 1.6 2.4#

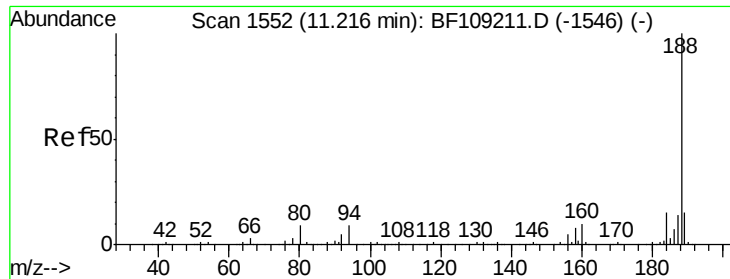


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



Time-->





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.00 min

Lab File: BF109400.D

Acq: 27 Sep 2018 21:02

Instrument :

BNA_F

ClientSampleId :

PARCEL-193-092418-1

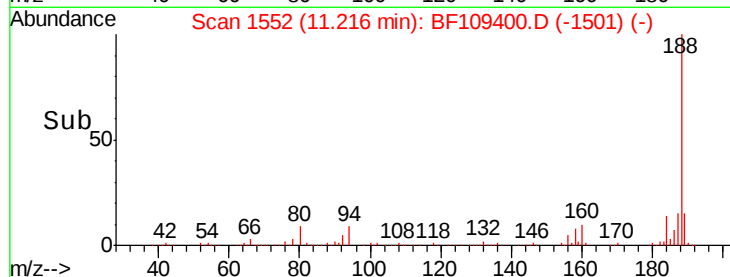
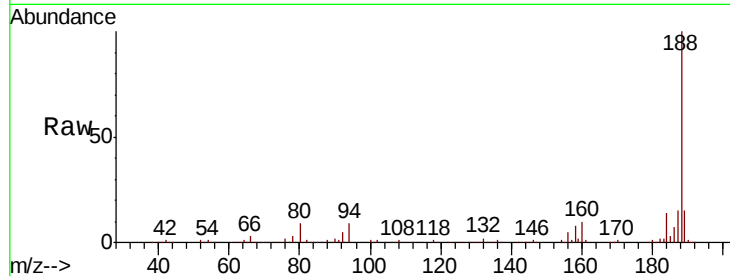
Tgt Ion:188 Resp: 305953

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7

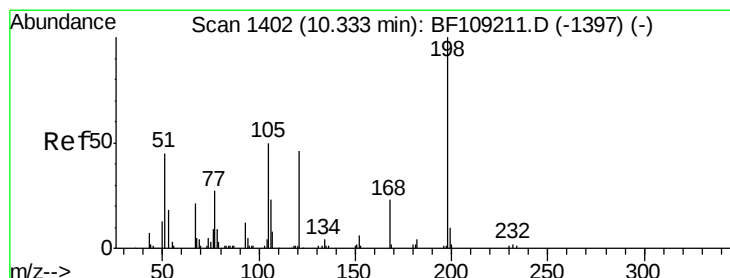
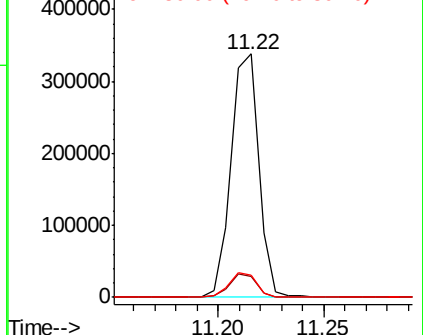
80 9.2 9.2 13.8#



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: 6.706 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.18 min

Lab File: BF109400.D

Acq: 27 Sep 2018 21:02

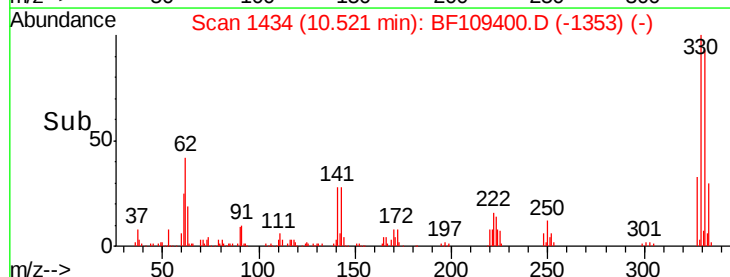
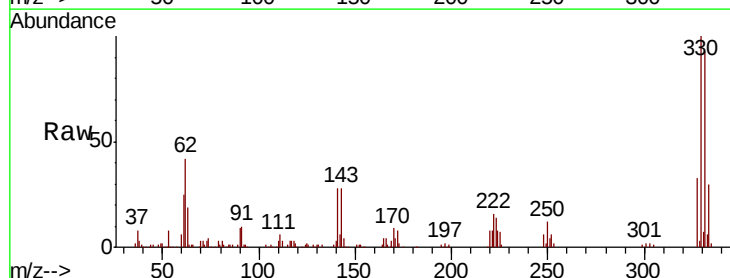
Tgt Ion:198 Resp: 264

Ion Ratio Lower Upper

198 100

51 132.4 37.7 77.7#

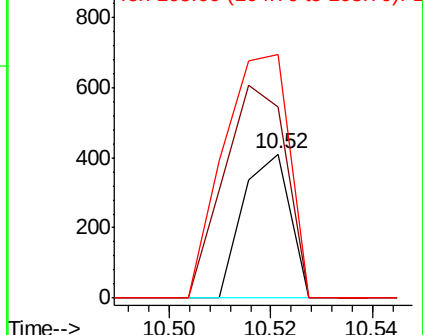
105 168.9 36.3 76.3#



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

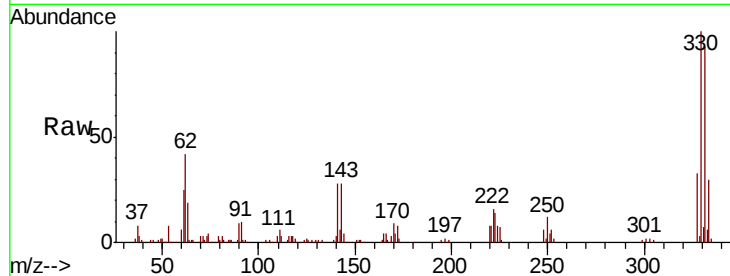




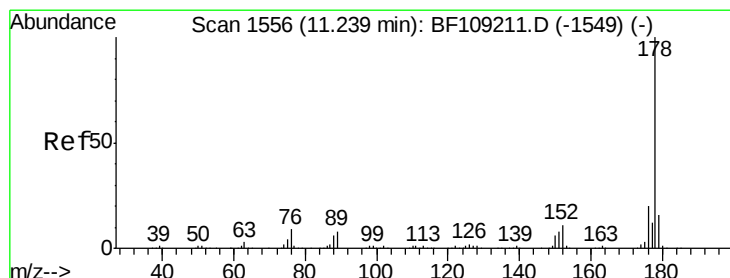
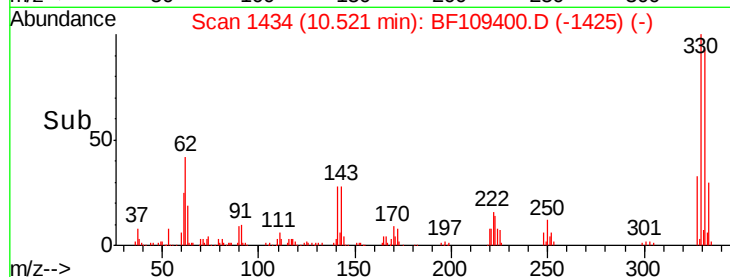
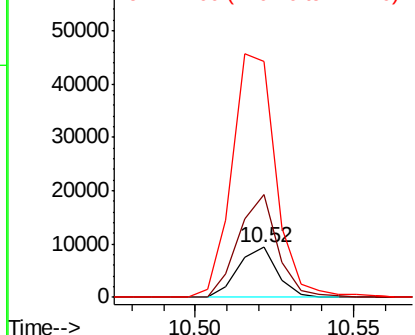
#66
 4-Bromophenyl-phenylether
 Concen: 2.376 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109400.D
 Acq: 27 Sep 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-193-092418-1

Tgt Ion: 248 Resp: 8072
 Ion Ratio Lower Upper
 248 100
 250 206.9 76.9 115.3#
 141 472.6 74.4 111.6#

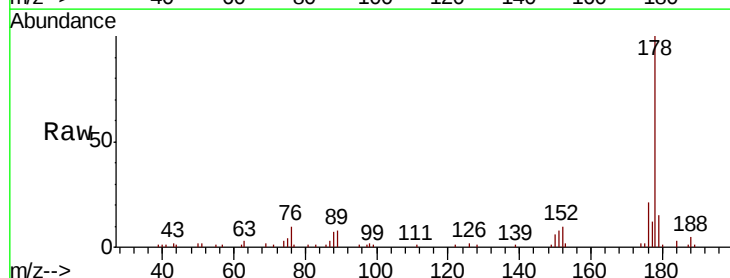


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

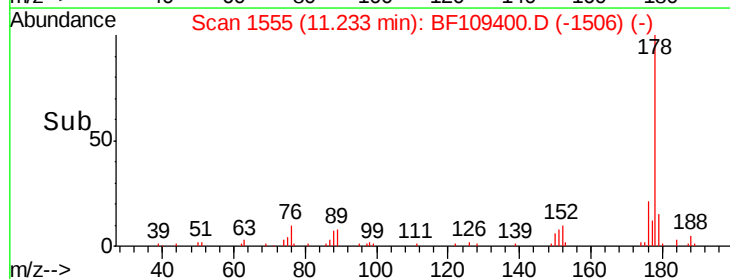
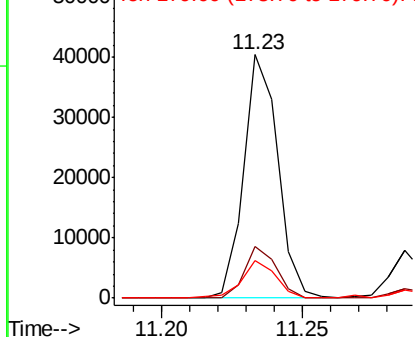


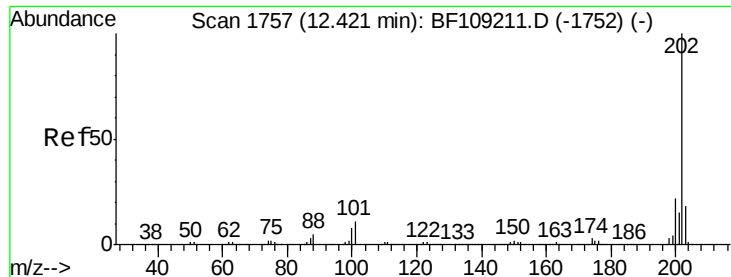
#70
 Phenanthrene
 Concen: 2.212 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF109400.D
 Acq: 27 Sep 2018 21:02

Tgt Ion: 178 Resp: 33797
 Ion Ratio Lower Upper
 178 100
 176 21.0 15.8 23.8
 179 15.5 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

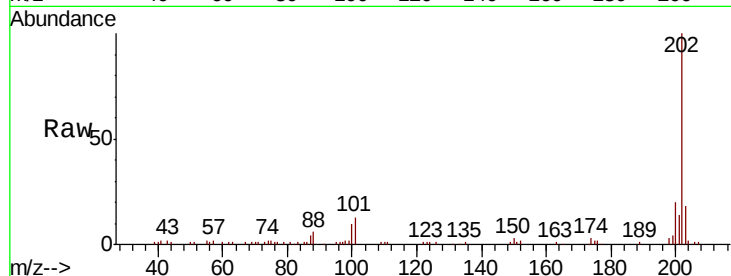




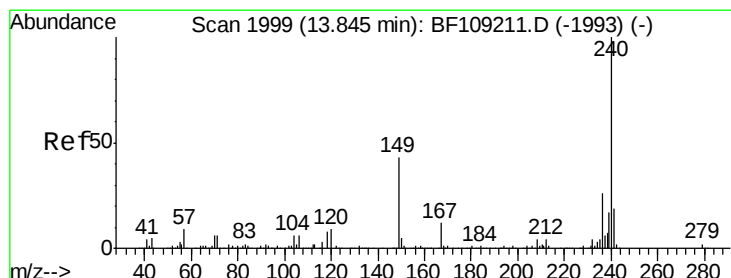
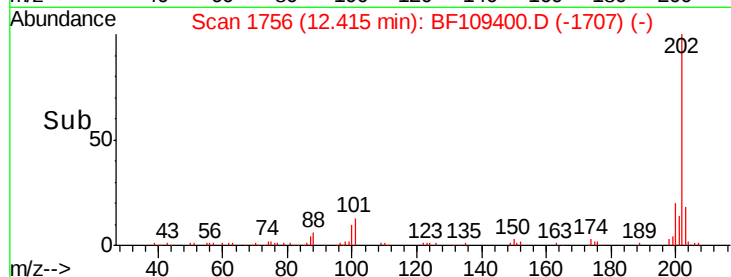
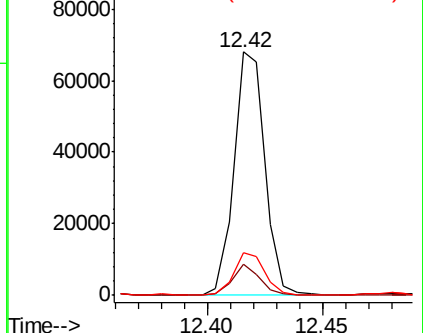
#74
 Fluoranthene
 Concen: 3.882 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BF109400.D
 Acq: 27 Sep 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-193-092418-1

Tgt Ion: 202 Resp: 63381
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 34.1
 203 17.6 0.0 38.1

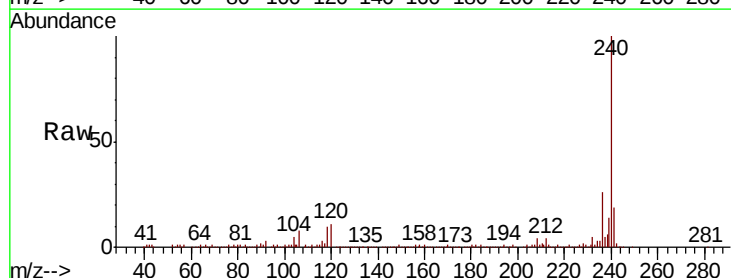


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

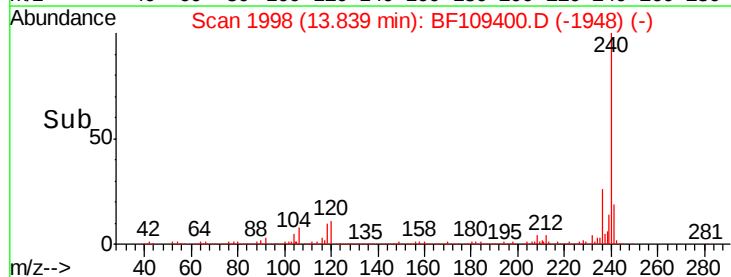
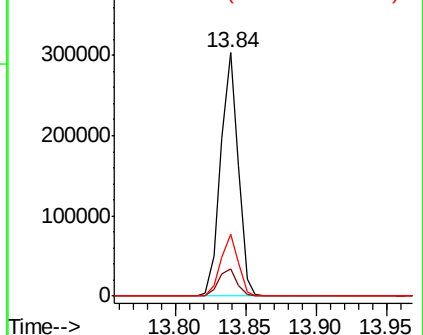


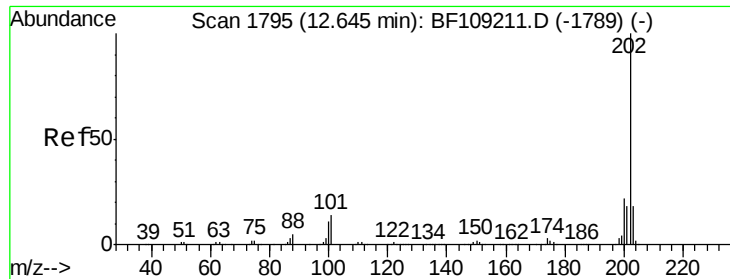
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF109400.D
 Acq: 27 Sep 2018 21:02

Tgt Ion: 240 Resp: 262713
 Ion Ratio Lower Upper
 240 100
 120 11.2 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

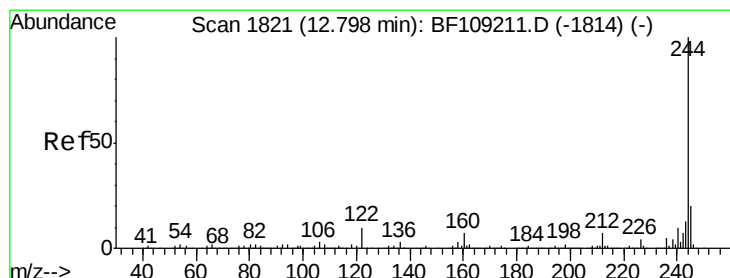
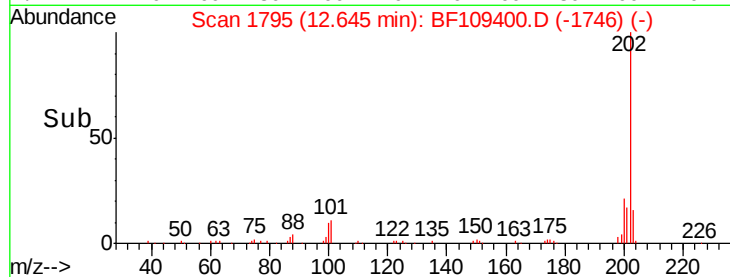
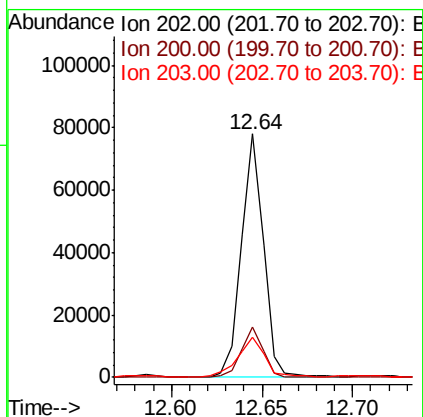
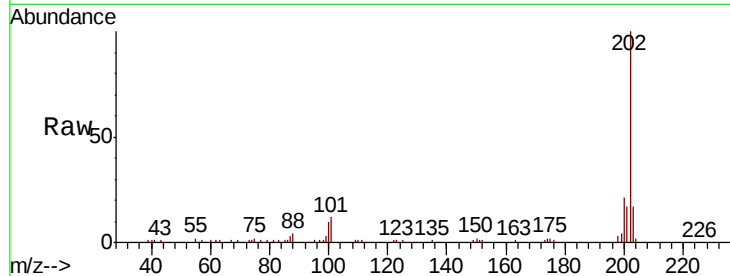




#77
 Pyrene
 Concen: 3.521 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF109400.D
 Acq: 27 Sep 2018 21:02

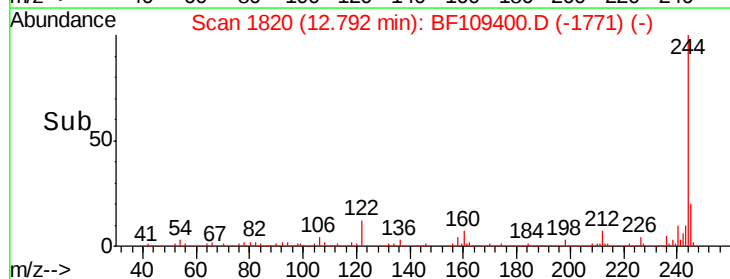
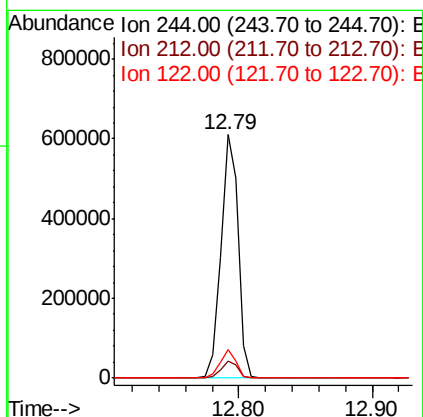
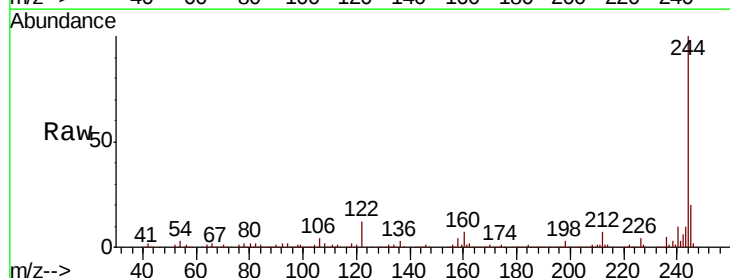
Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-193-092418-1

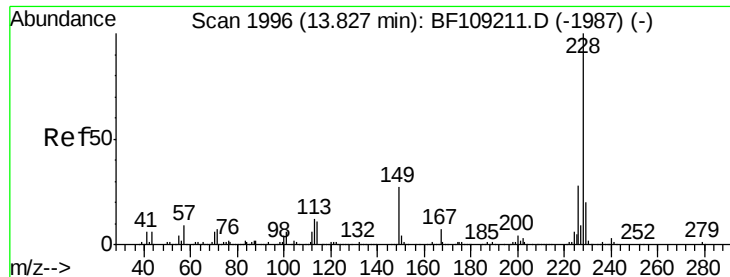
Tgt Ion: 202 Resp: 66302
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.4 26.2
 203 16.7 14.3 21.5



#78
 Terphenyl-d14
 Concen: 51.856 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109400.D
 Acq: 27 Sep 2018 21:02

Tgt Ion: 244 Resp: 555102
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.5 11.0 16.4





#80

Benzo(a)anthracene

Concen: 2.059 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109400.D

Acq: 27 Sep 2018 21:02

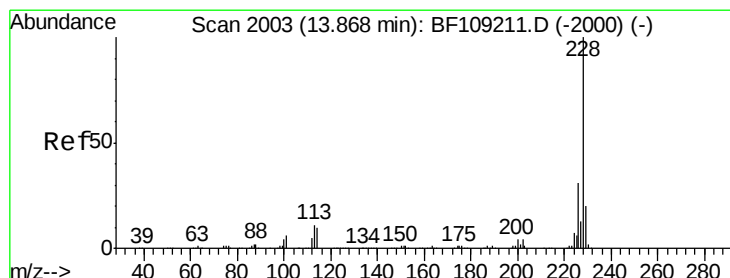
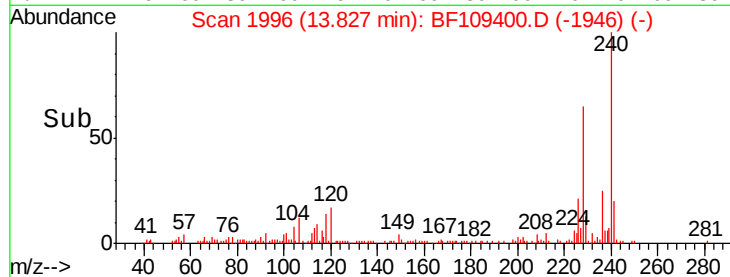
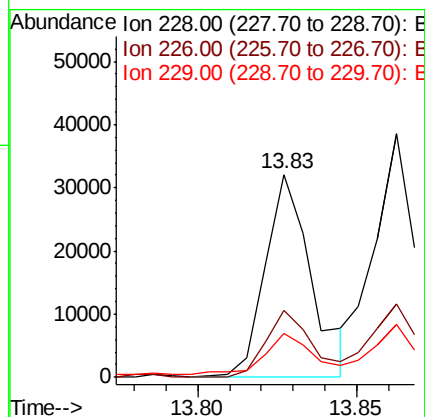
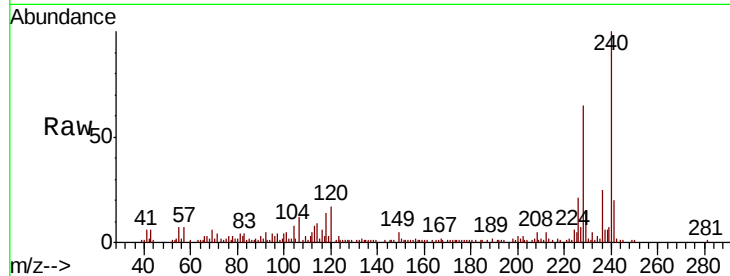
Instrument :

BNA_F

ClientSampleId :

PARCEL-193-092418-1

Tgt Ion:	228	Resp:	32575
Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.6	33.8
229	21.9	15.8	23.6



#82

Chrysene

Concen: 2.223 ng

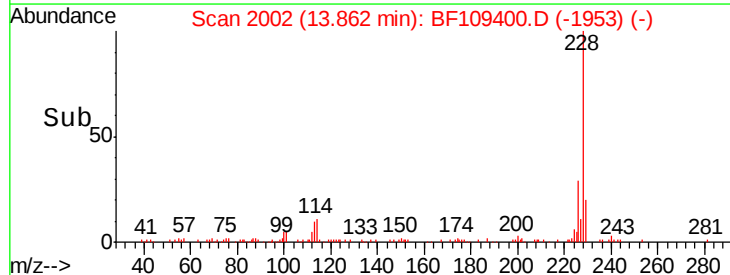
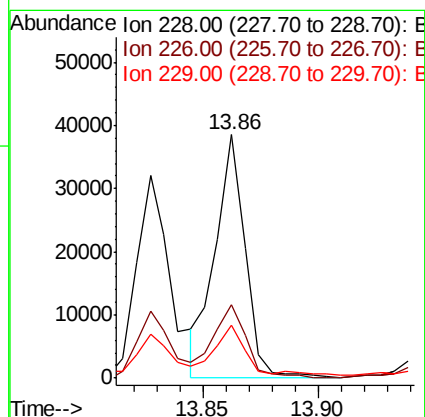
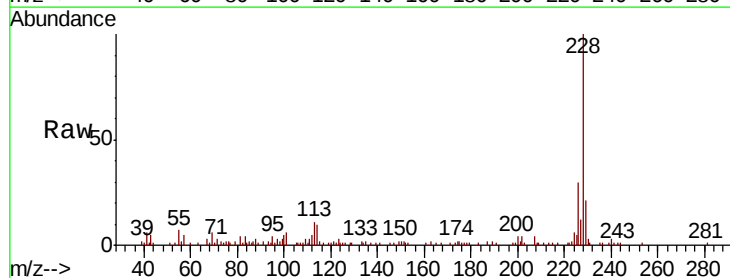
RT: 13.86 min Scan# 2002

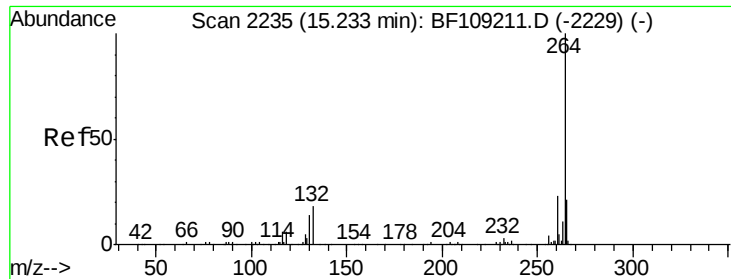
Delta R.T. -0.01 min

Lab File: BF109400.D

Acq: 27 Sep 2018 21:02

Tgt Ion:	228	Resp:	34862
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.5	16.2	24.4

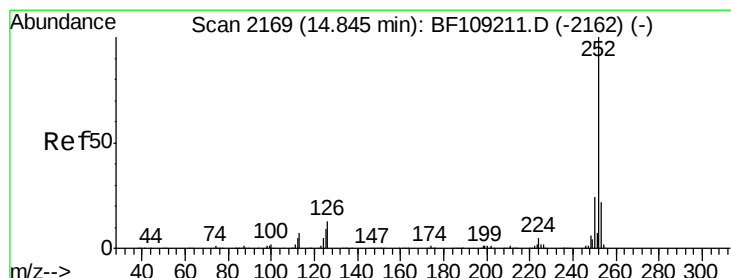
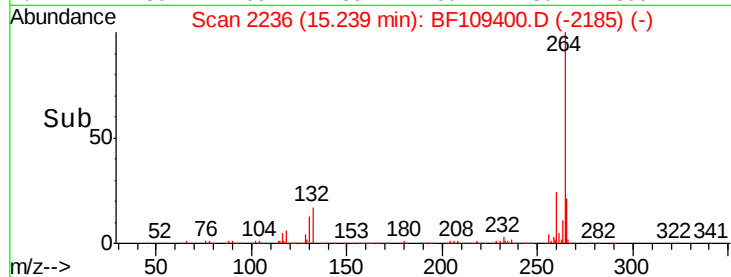
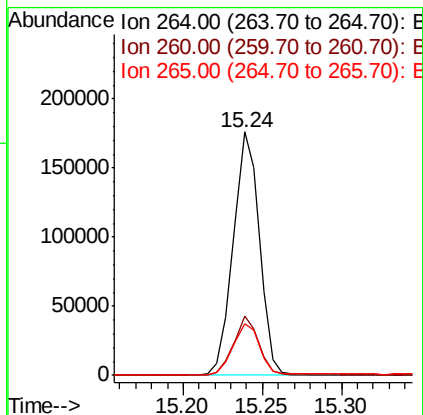
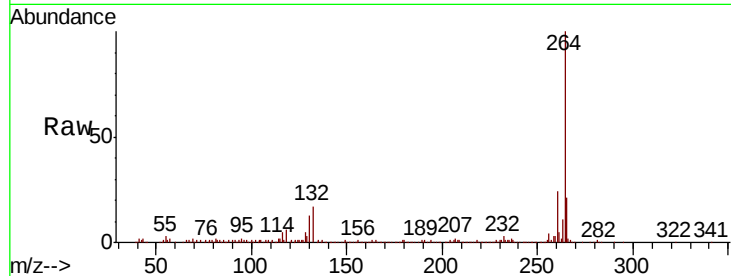




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109400.D
Acq: 27 Sep 2018 21:02

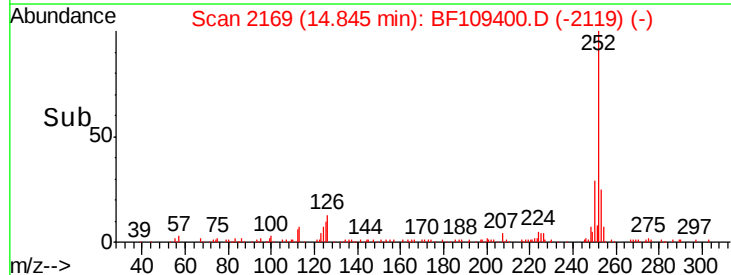
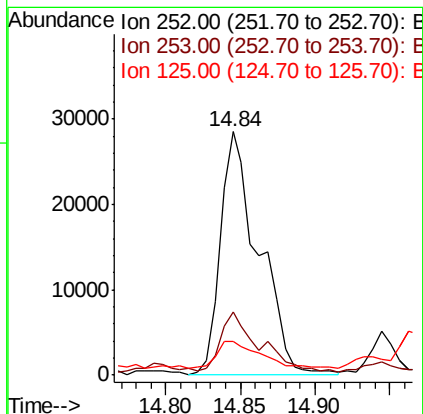
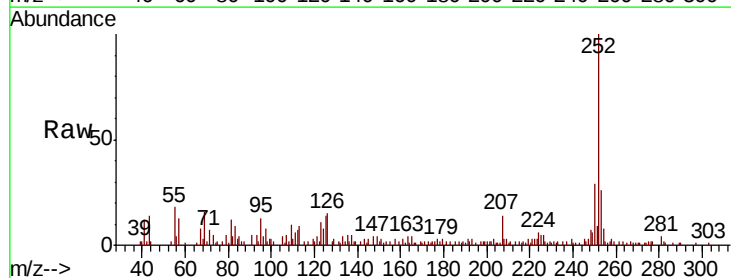
Instrument :
BNA_F
ClientSampleId :
PARCEL-193-092418-1

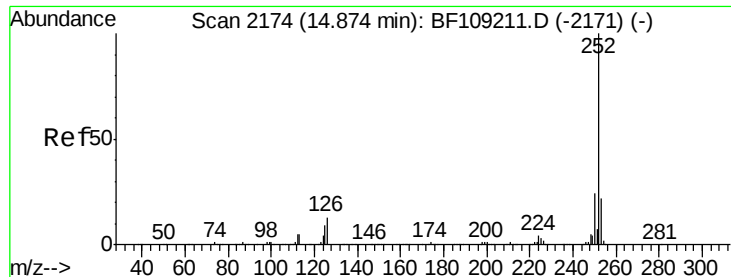
Tgt Ion:264 Resp: 202174
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.625 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109400.D
Acq: 27 Sep 2018 21:02

Tgt Ion:252 Resp: 51382
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.6#
125 13.9 9.0 13.6#

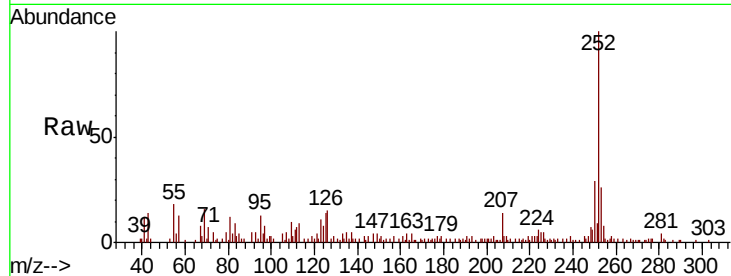




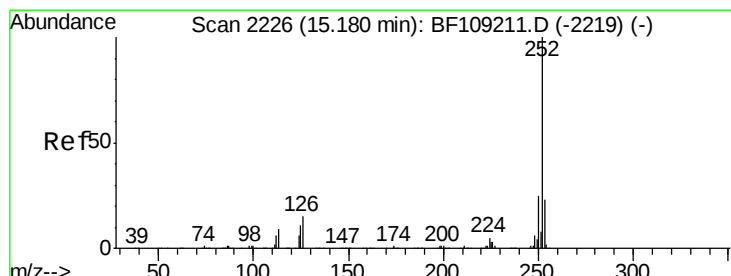
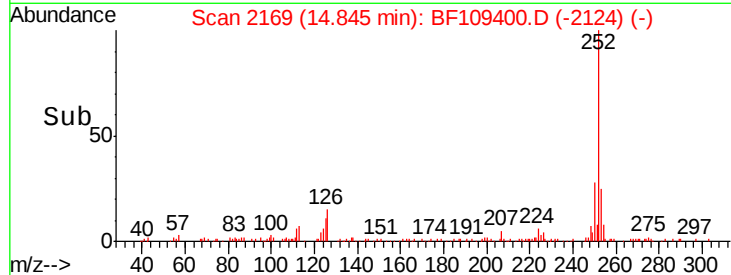
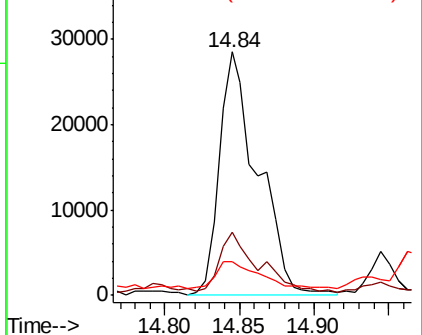
#88
Benzo(k)fluoranthene
Concen: 4.874 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109400.D
Acq: 27 Sep 2018 21:02

Instrument :
BNA_F
ClientSampleId :
PARCEL-193-092418-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	13.9	10.2	15.2

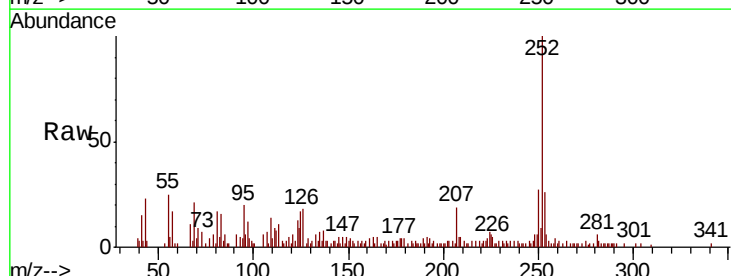


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.240 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109400.D
Acq: 27 Sep 2018 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.1	25.7#
125	16.7	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

