

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092818\
 Data File : BF109438.D
 Acq On : 28 Sep 2018 18:58
 Operator : JU/SJ
 Sample : J5077-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-190-092418-2

Quant Time: Sep 29 02:12:08 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	95818	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	314069	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	127997	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	240894	20.00	ng	0.00
75) Chrysene-d12	13.84	240	178055	20.00	ng	0.00
86) Perylene-d12	15.25	264	136969	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	483819	83.17	ng	0.00
7) Phenol-d6	6.35	99	589071	79.35	ng	0.00
23) Nitrobenzene-d5	7.27	82	358842	67.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	114671	90.88	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	559723	65.95	ng	-0.01
78) Terphenyl-d14	12.80	244	496734	68.47	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.27	70	48269	9.923	ng	# 76
25) Isophorone	7.27	82	318641	33.259	ng	# 64
49) Dimethylphthalate	9.46	163	209462	22.499	ng	100
56) 2,4-Dinitrotoluene	9.74	165	16040	6.875	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	157	6.660	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	7306	2.731	ng	# 1
74) Fluoranthene	12.42	202	69030	5.370	ng	98
77) Pyrene	12.65	202	57181	4.481	ng	99
80) Benzo(a)anthracene	13.83	228	30216	2.817	ng	96
82) Chrysene	13.87	228	32197	3.029	ng	96
83) Bis(2-ethylhexyl)phthalate	13.84	149	31357	4.580	ng	# 99
87) Benzo(b)fluoranthene	14.85	252	50643	6.729	ng	# 66
88) Benzo(k)fluoranthene	14.85	252	50643	7.091	ng	# 70
89) Benzo(a)pyrene	15.19	252	23016	3.394	ng	# 83
91) Benzo(g,h,i)perylene	17.01	276	17671	3.232	ng	95

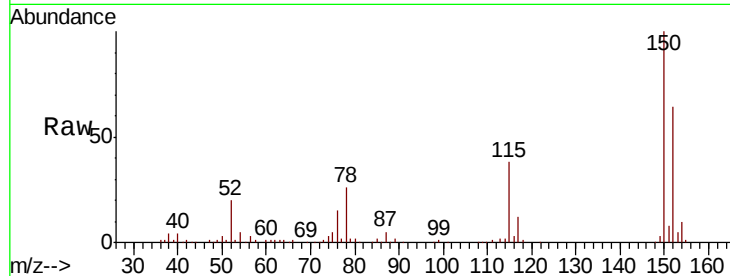
(#) = qualifier out of range (m) = manual integration (+) = signals summed



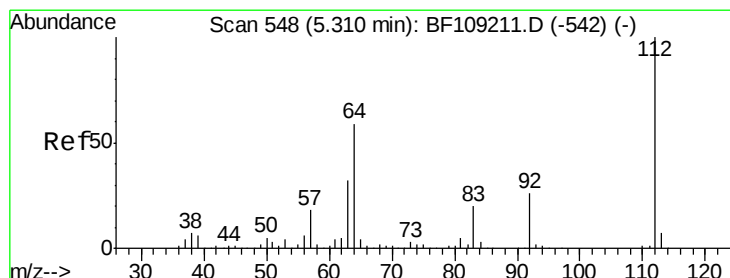
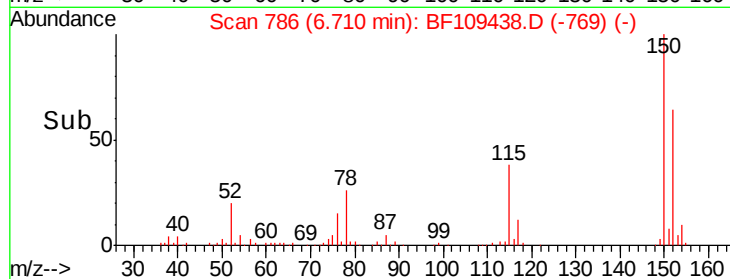
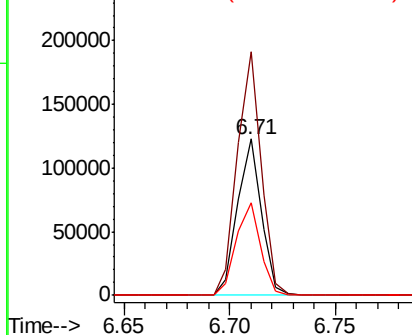
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109438.D
 Acq: 28 Sep 2018 18:58

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-190-092418-2

Tgt Ion:152 Resp: 95818
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.6 186.8
 115 59.4 50.1 75.1

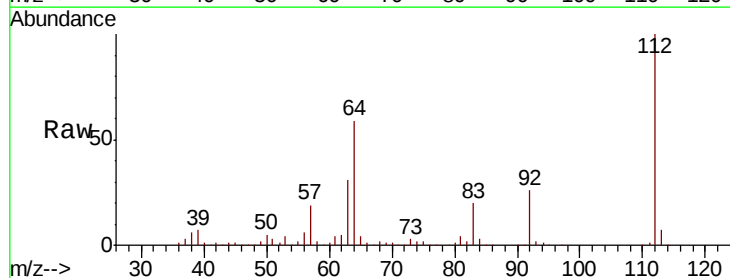


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

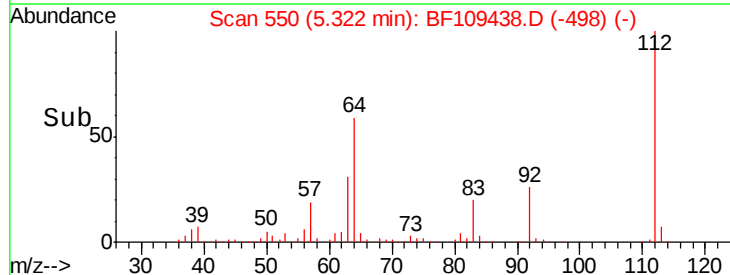
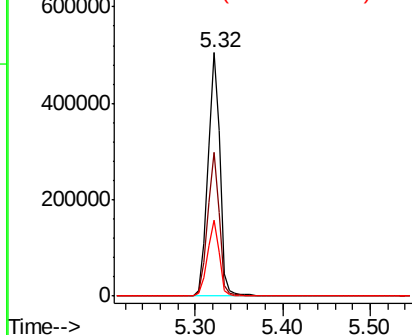


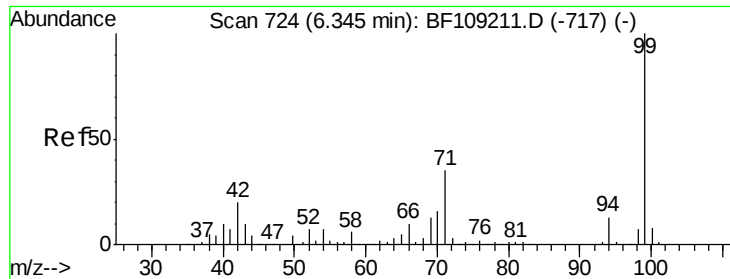
#5
 2-Fluorophenol
 Concen: 83.167 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF109438.D
 Acq: 28 Sep 2018 18:58

Tgt Ion:112 Resp: 483819
 Ion Ratio Lower Upper
 112 100
 64 59.1 47.9 71.9
 63 31.3 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: 79.354 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

Instrument :

BNA_F

ClientSampleId :

PARCEL-190-092418-2

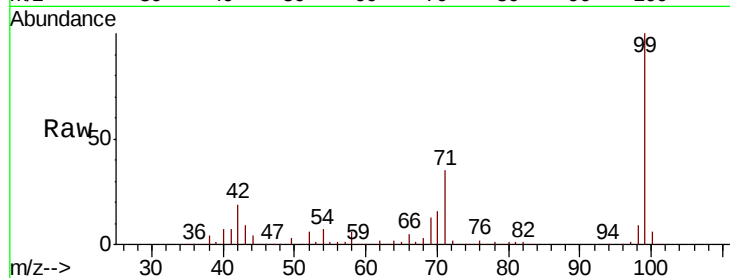
Tgt Ion: 99 Resp: 589071

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 34.7 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

800000

600000

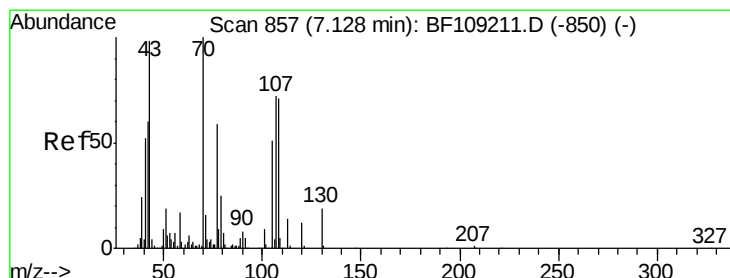
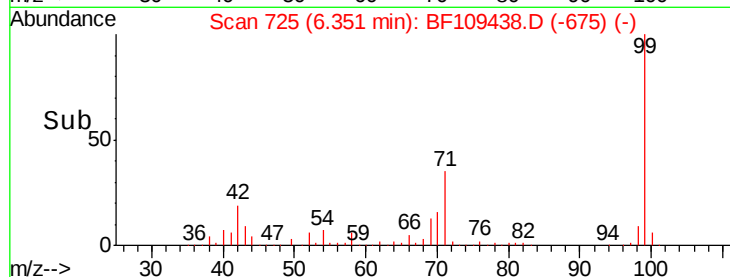
400000

200000

0

6.30 6.35 6.40 6.50

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 9.923 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

Tgt Ion: 70 Resp: 48269

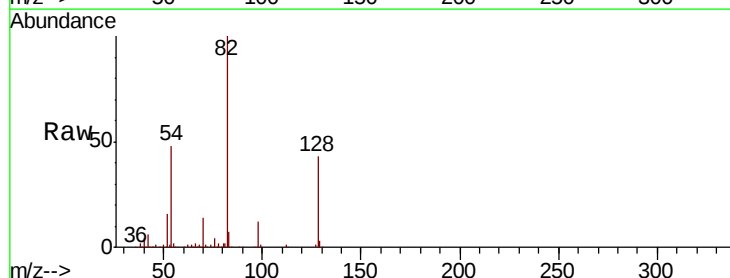
Ion Ratio Lower Upper

70 100

42 45.6 47.5 71.3#

101 0.0 7.4 11.2#

130 1.7 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

80000

60000

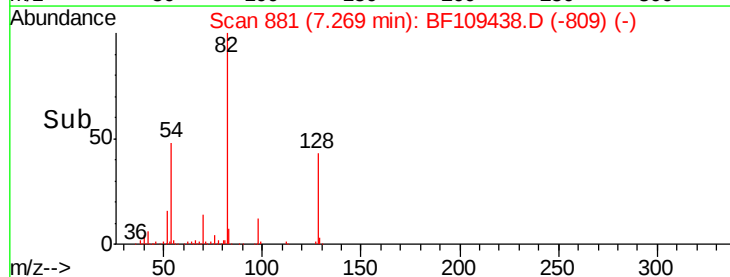
40000

20000

0

7.25 7.30

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

Instrument :

BNA_F

ClientSampleId :

PARCEL-190-092418-2

Tgt Ion:136 Resp: 314069

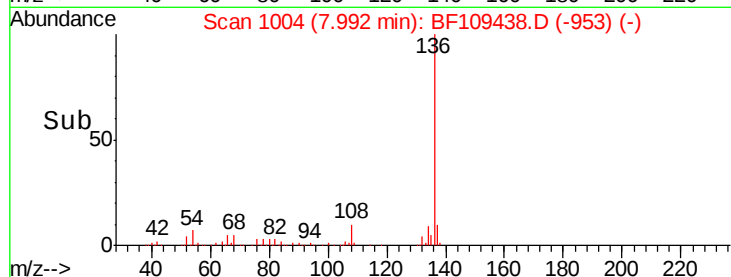
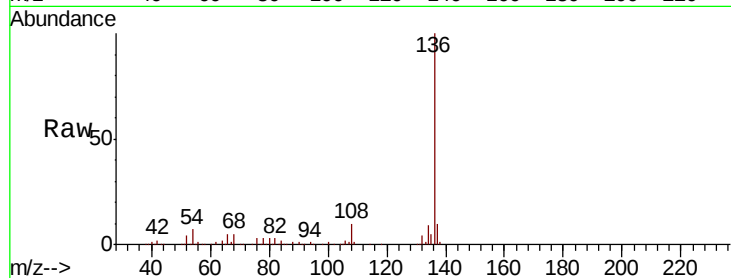
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 6.5 6.6 9.8#

68 5.2 5.0 7.4

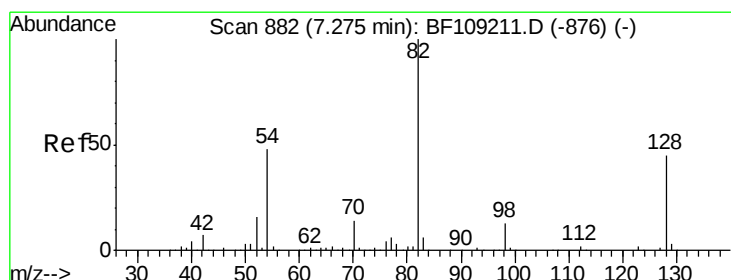
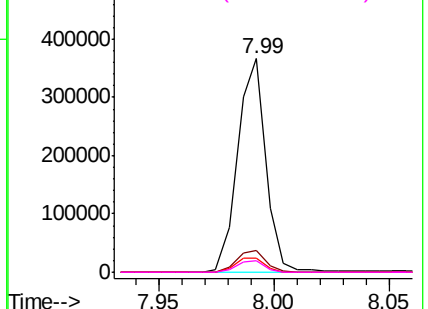


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.447 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

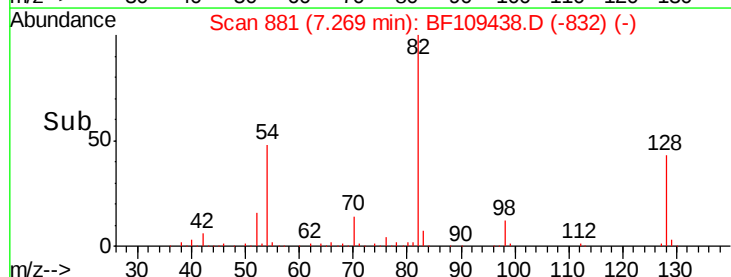
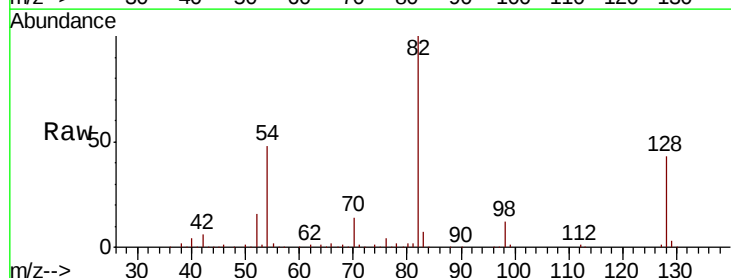
Tgt Ion: 82 Resp: 358842

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

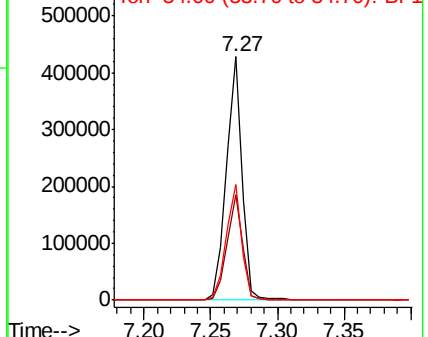
54 47.6 41.4 62.2

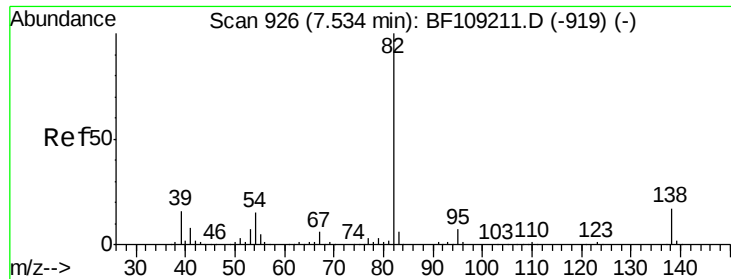


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

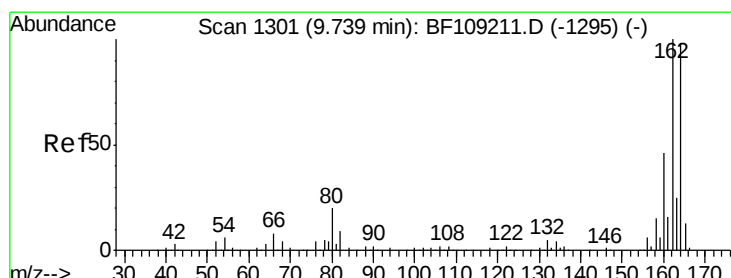
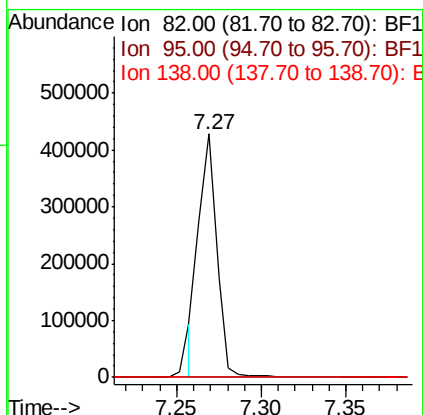
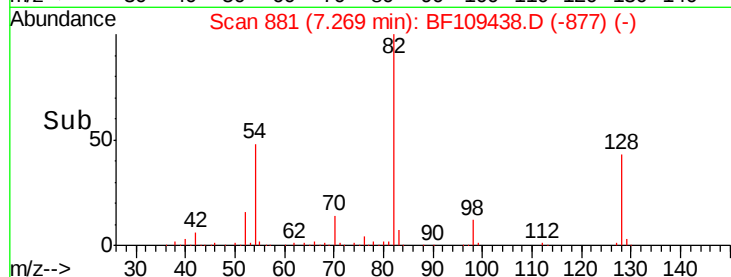
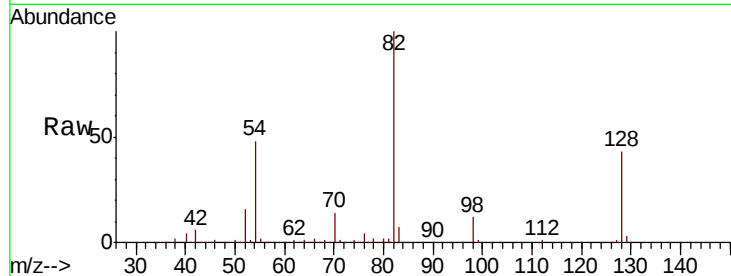




#25
Isophorone
Concen: 33.259 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109438.D
Acq: 28 Sep 2018 18:58

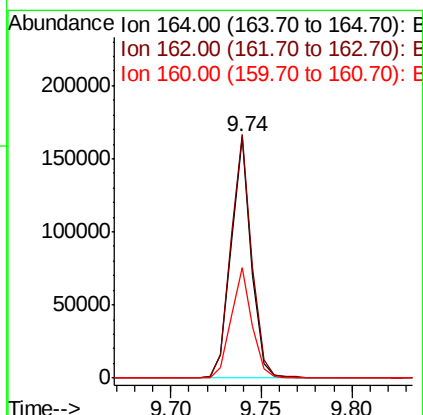
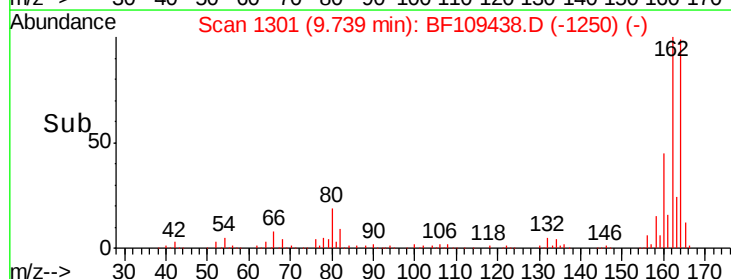
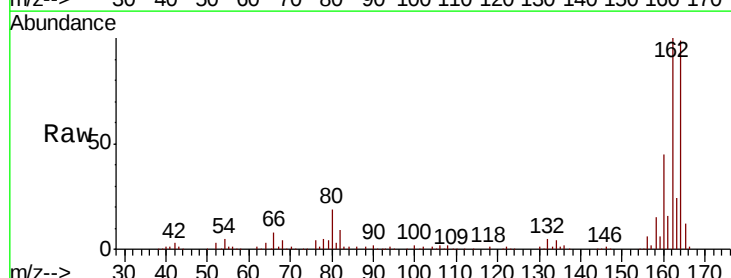
Instrument :
BNA_F
ClientSampleId :
PARCEL-190-092418-2

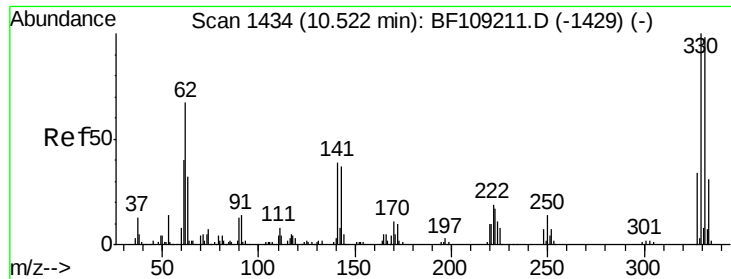
Tgt Ion: 82 Resp: 318641
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109438.D
Acq: 28 Sep 2018 18:58

Tgt Ion: 164 Resp: 127997
Ion Ratio Lower Upper
164 100
162 100.9 86.1 129.1
160 45.6 38.3 57.5

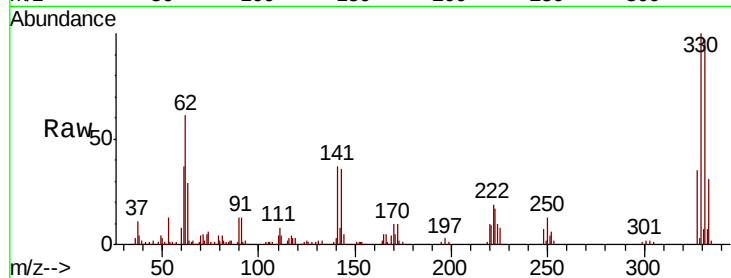




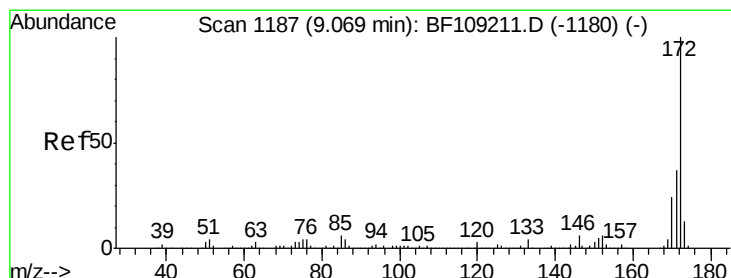
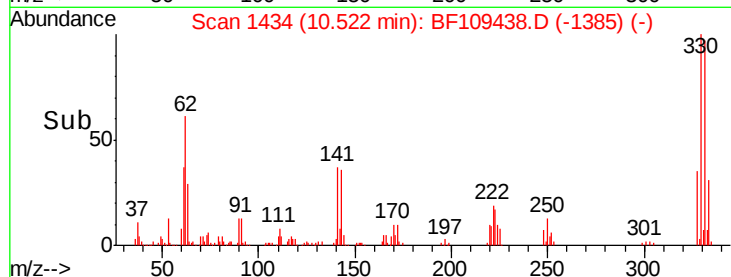
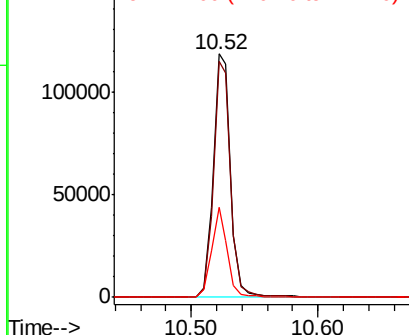
#41
 2,4,6-Tribromophenol
 Concen: 90.880 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109438.D
 Acq: 28 Sep 2018 18:58

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-190-092418-2

Tgt Ion:330 Resp: 114671
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 33.0 29.9 44.9

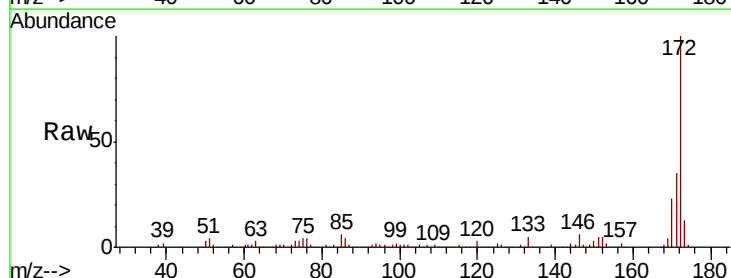


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

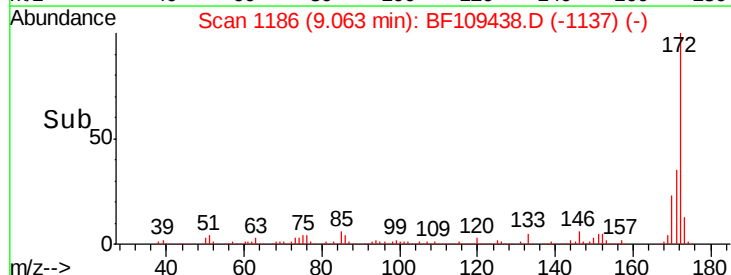
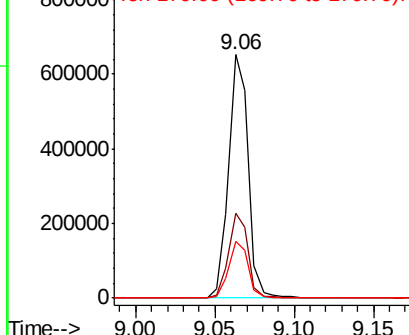


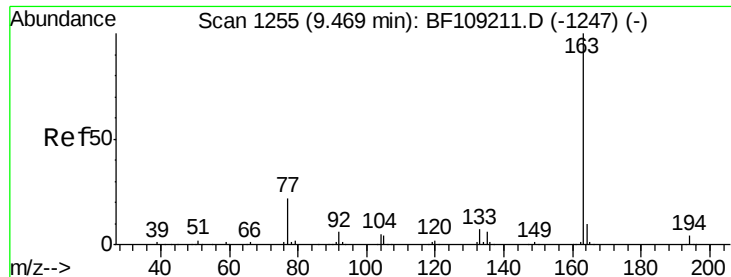
#44
 2-Fluorobiphenyl
 Concen: 65.952 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109438.D
 Acq: 28 Sep 2018 18:58

Tgt Ion:172 Resp: 559723
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 23.2 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

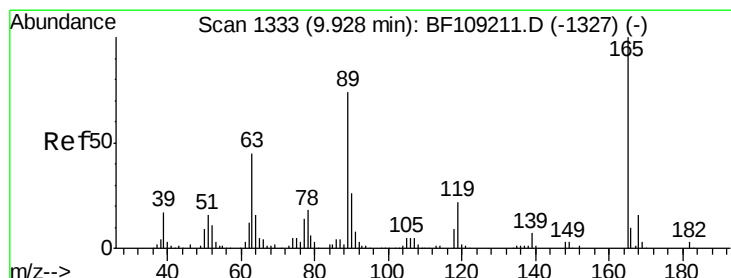
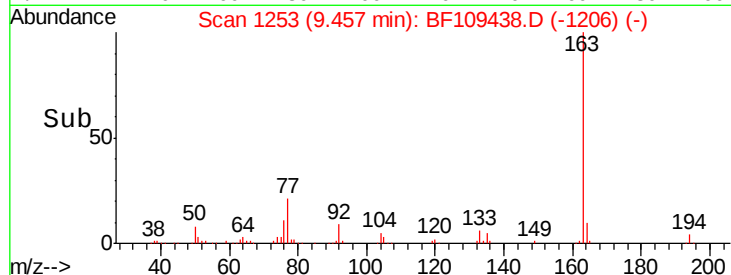
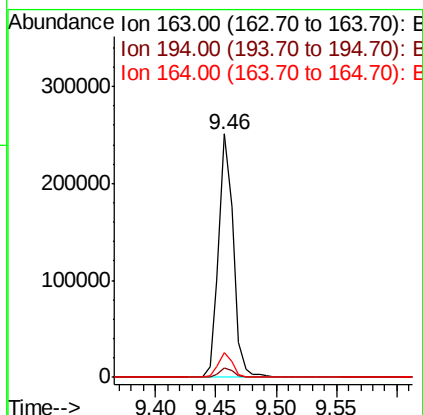
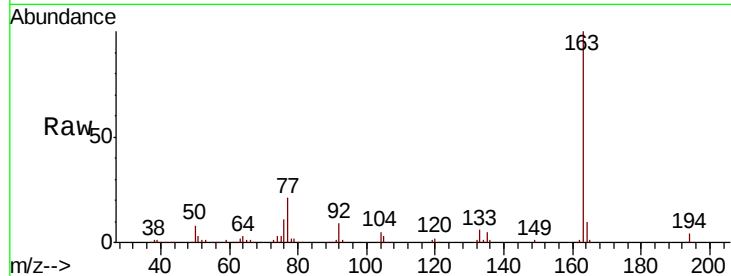




#49
Dimethylphthalate
Concen: 22.499 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109438.D
Acq: 28 Sep 2018 18:58

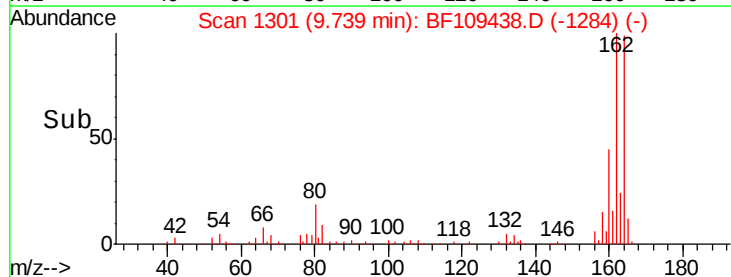
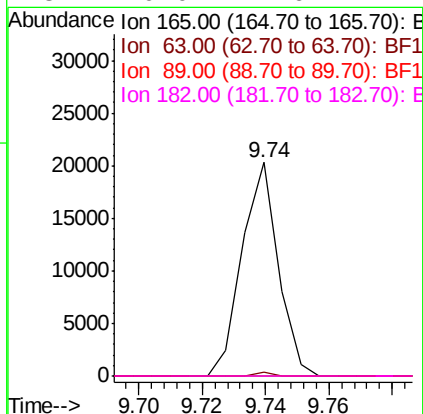
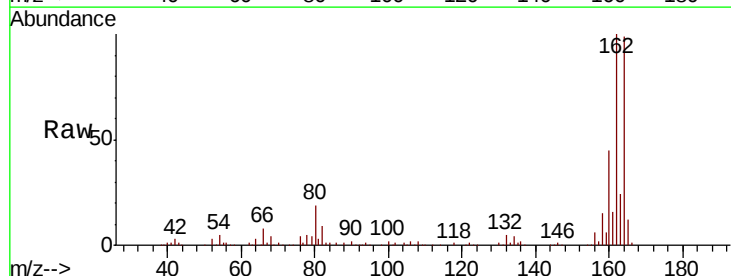
Instrument :
BNA_F
ClientSampleId :
PARCEL-190-092418-2

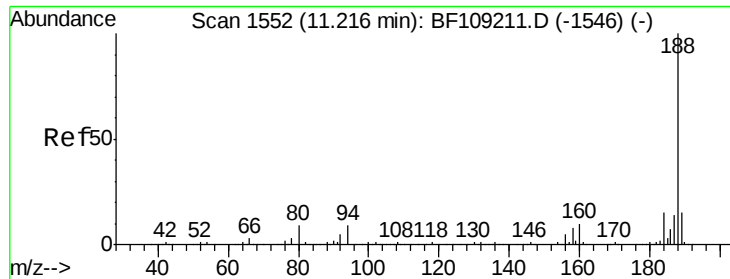
Tgt Ion:163 Resp: 209462
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.3 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.875 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.20 min
Lab File: BF109438.D
Acq: 28 Sep 2018 18:58

Tgt Ion:165 Resp: 16040
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#

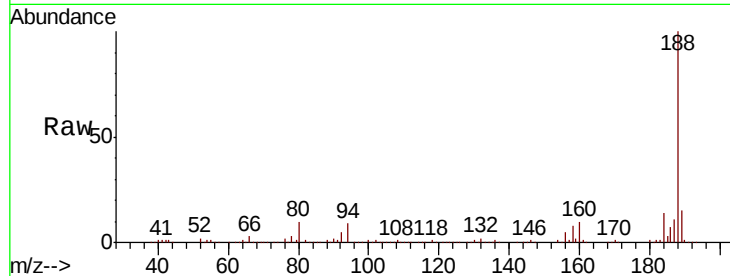




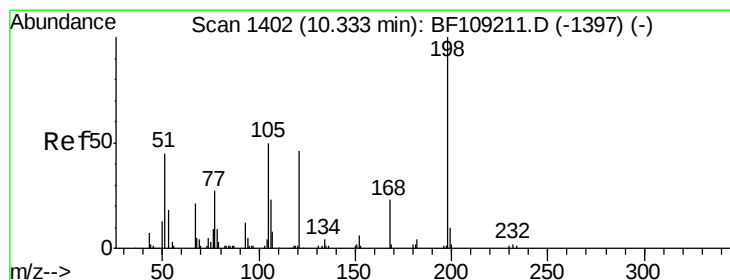
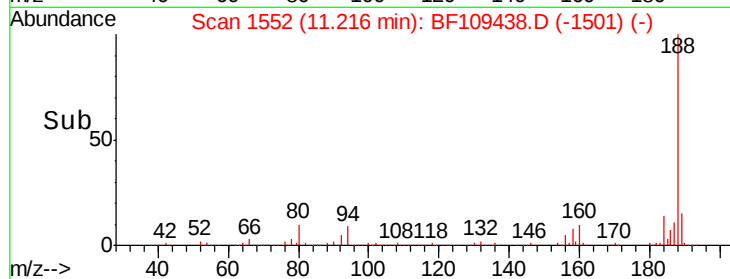
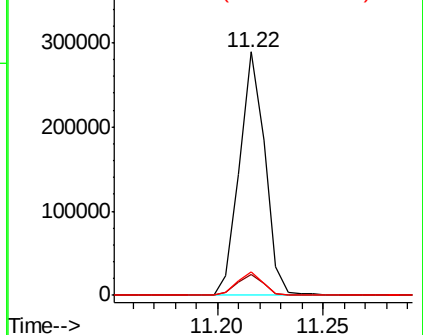
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109438.D
Acq: 28 Sep 2018 18:58

Instrument :
BNA_F
ClientSampleId :
PARCEL-190-092418-2

Tgt Ion:	188	Resp:	240894
Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.9	9.2	13.8

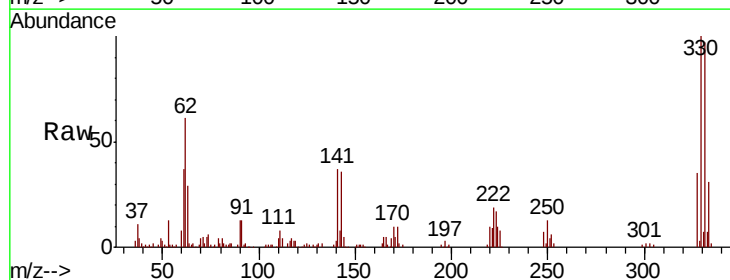


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

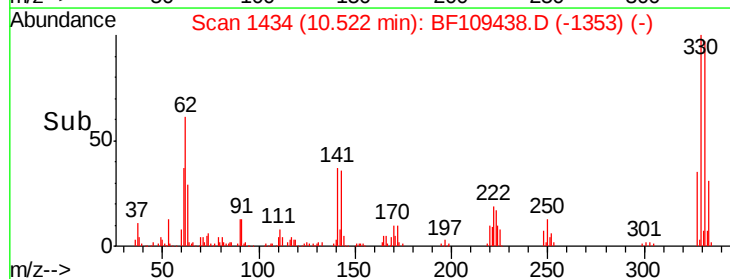
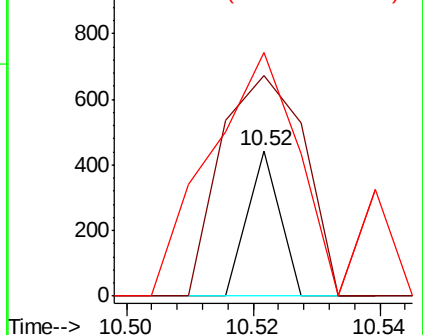


#64
4,6-Dinitro-2-methylphenol
Concen: 6.660 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.18 min
Lab File: BF109438.D
Acq: 28 Sep 2018 18:58

Tgt Ion:	198	Resp:	157
Ion	Ratio	Lower	Upper
198	100		
51	151.6	37.7	77.7#
105	167.1	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

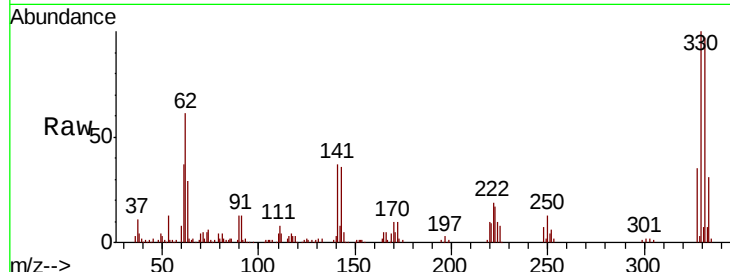




#66
 4-Bromophenyl-phenylether
 Concen: 2.731 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109438.D
 Acq: 28 Sep 2018 18:58

Instrument :
 BNA_F
 ClientSampleId :
 PARCEL-190-092418-2

Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.6	76.9	115.3#
141	542.3	74.4	111.6#

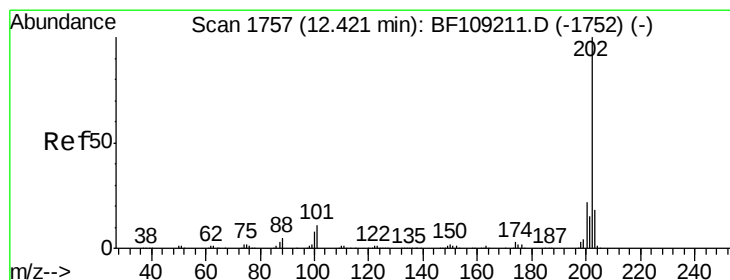
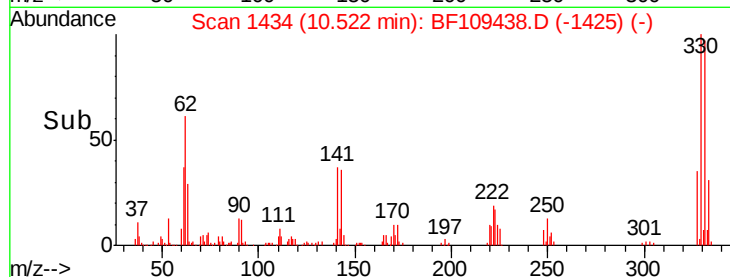
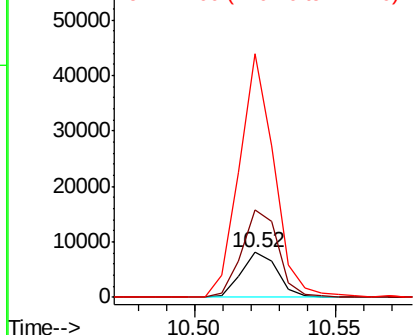


Abundance

Ion 248.00 (247.70 to 248.70): E

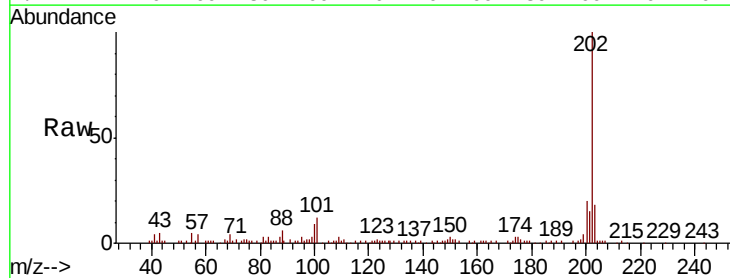
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#74
 Fluoranthene
 Concen: 5.370 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BF109438.D
 Acq: 28 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	18.0	0.0	38.1

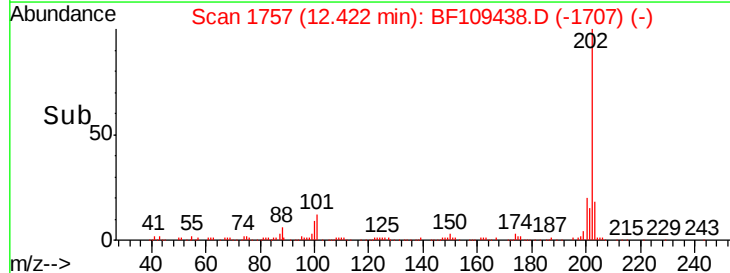
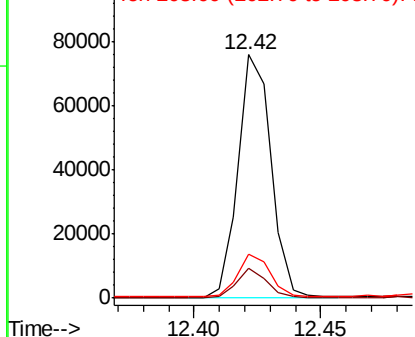


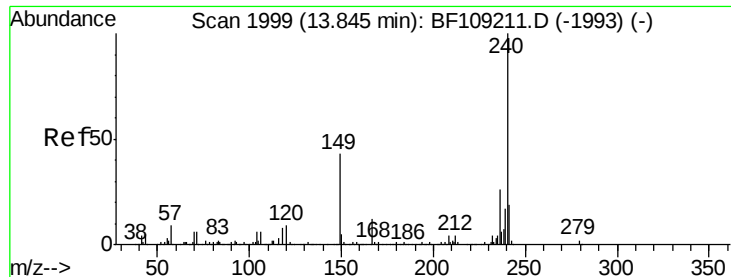
Abundance

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# 1999

Delta R.T. 0.00 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

Instrument :

BNA_F

ClientSampleId :

PARCEL-190-092418-2

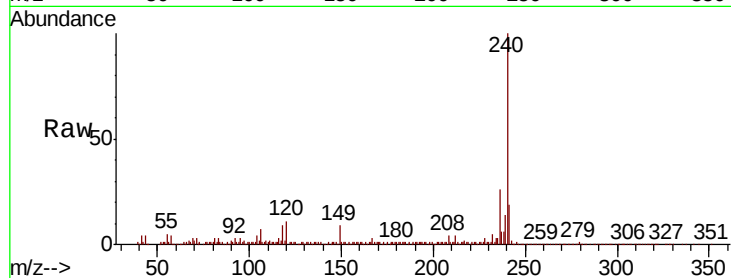
Tgt Ion:240 Resp: 178055

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

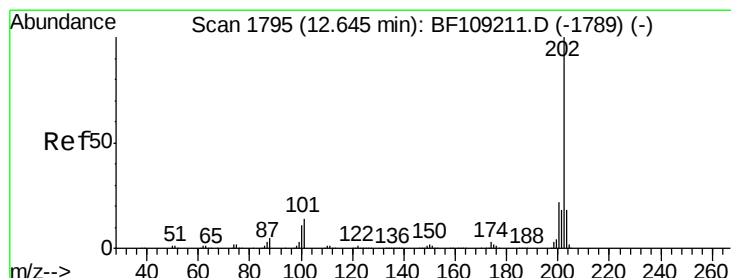
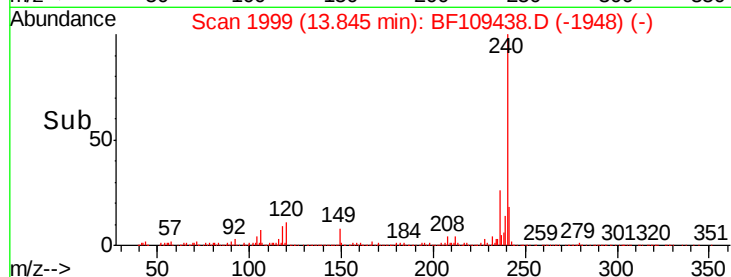
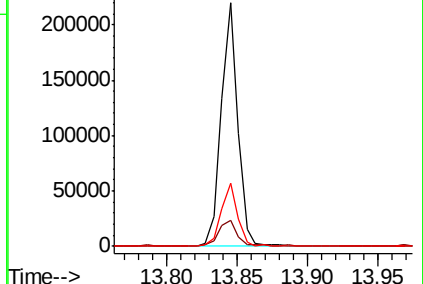
236 26.1 20.7 31.1



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: 4.481 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

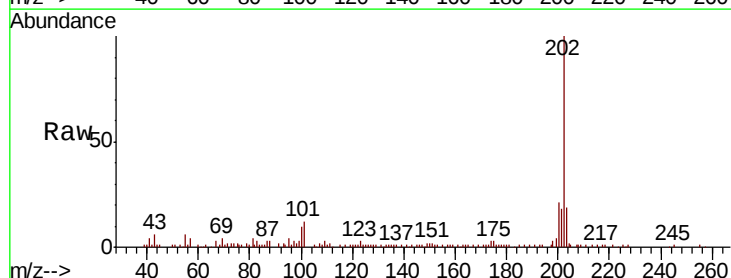
Tgt Ion:202 Resp: 57181

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

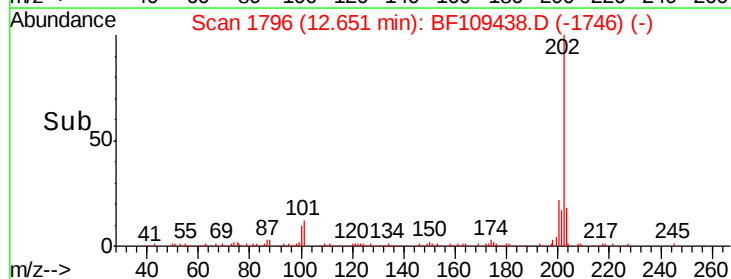
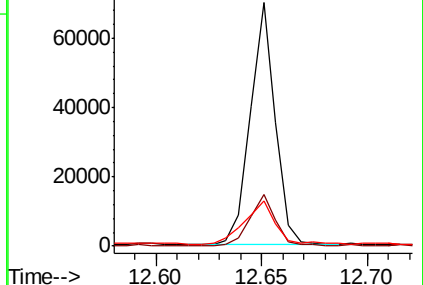
203 18.6 14.3 21.5

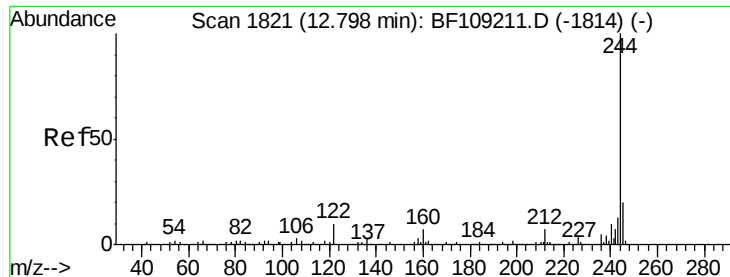


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.466 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

Instrument :

BNA_F

ClientSampleId :

PARCEL-190-092418-2

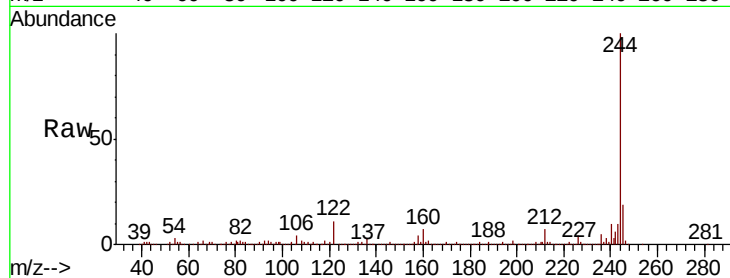
Tgt Ion:244 Resp: 496734

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

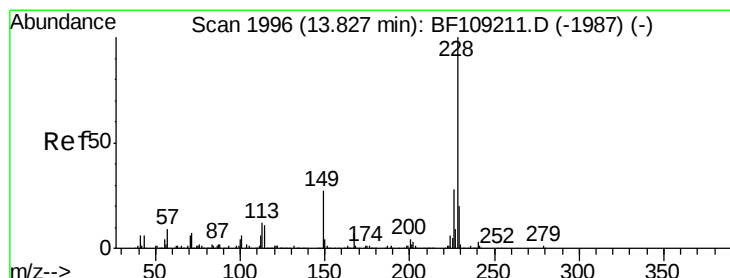
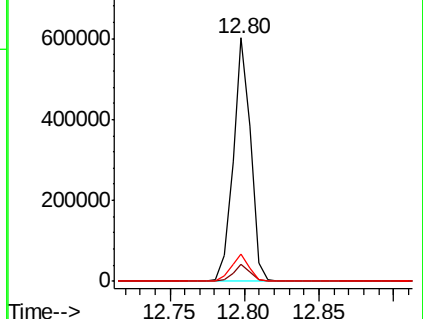
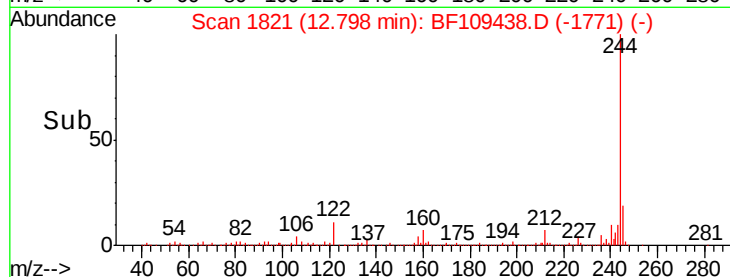
122 11.0 11.0 16.4



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: 2.817 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

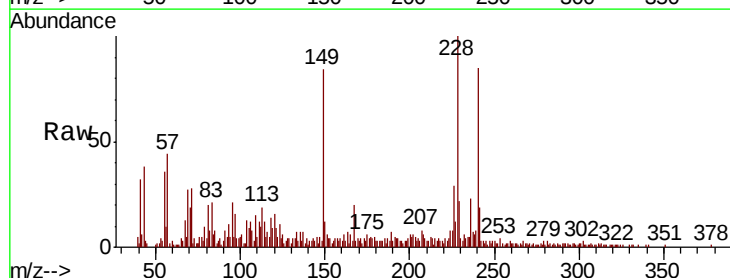
Tgt Ion:228 Resp: 30216

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

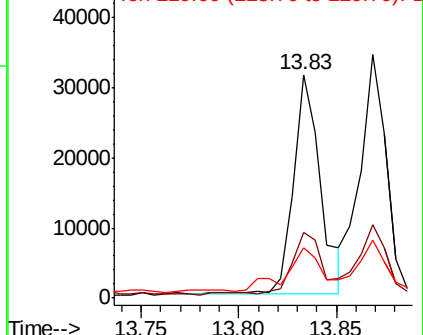
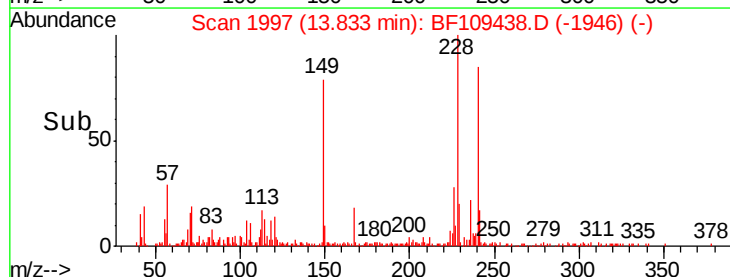
229 22.5 15.8 23.6

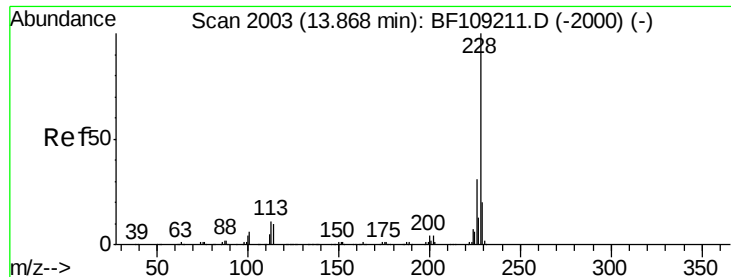


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.029 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

Instrument :

BNA_F

ClientSampleId :

PARCEL-190-092418-2

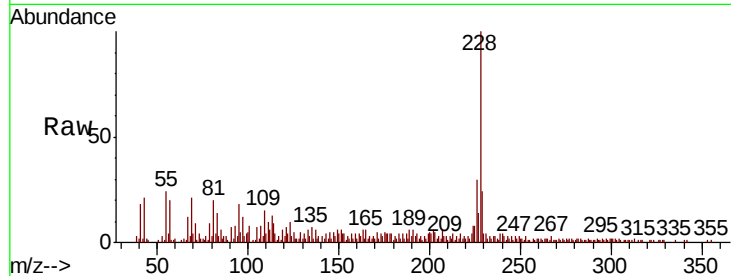
Tgt Ion: 228 Resp: 32197

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

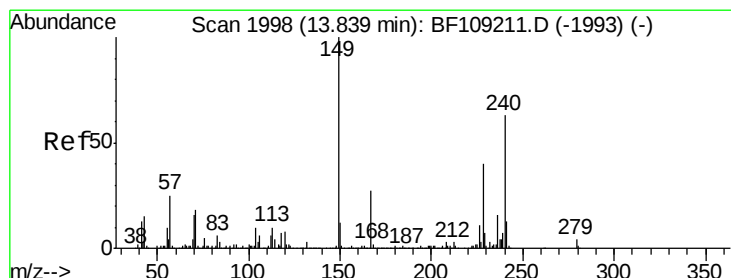
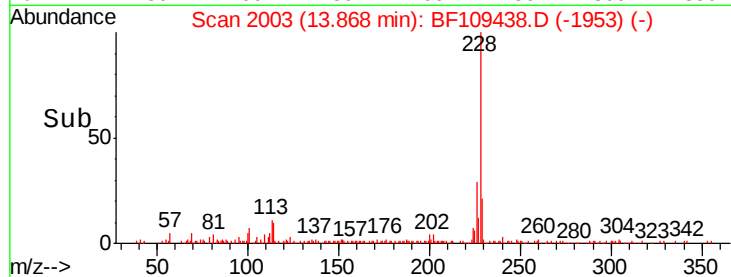
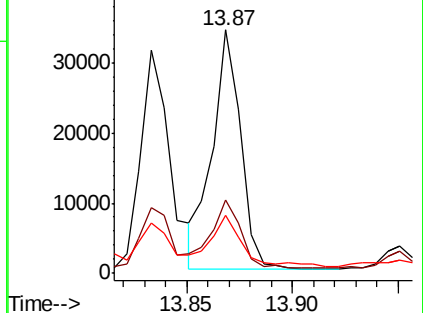
229 23.7 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.580 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.00 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

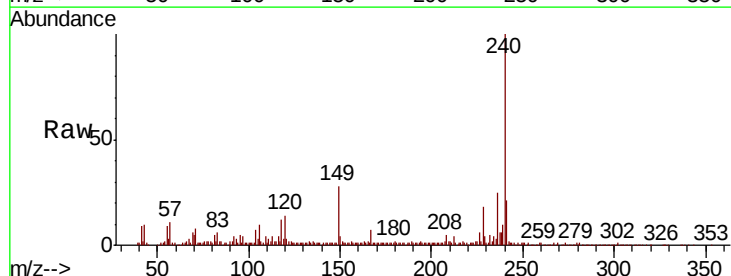
Tgt Ion: 149 Resp: 31357

Ion Ratio Lower Upper

149 100

167 26.7 21.3 31.9

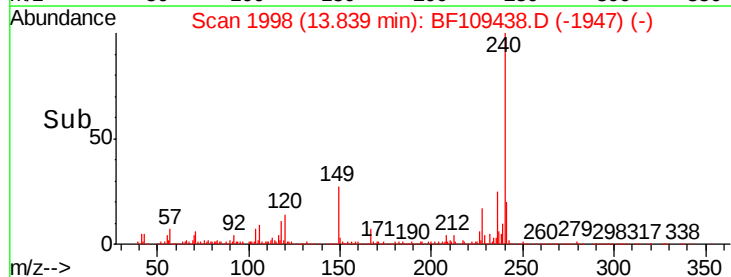
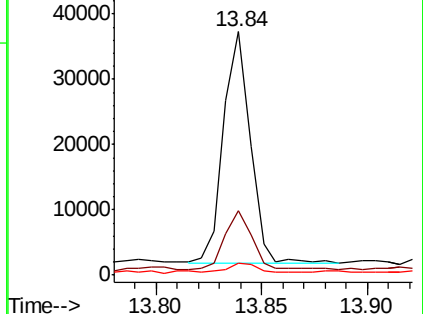
279 4.9 3.0 4.4#

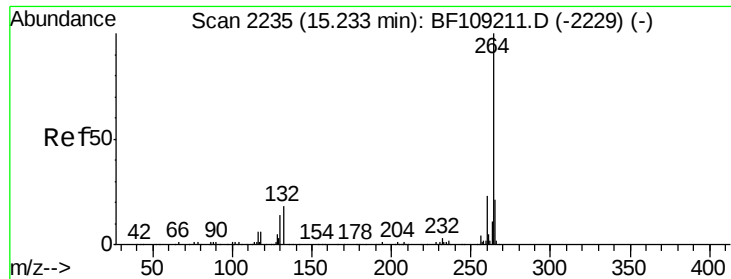


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



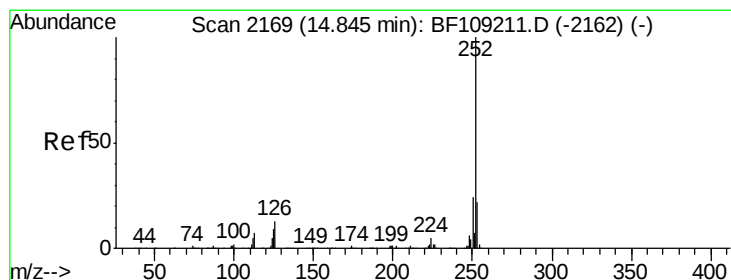
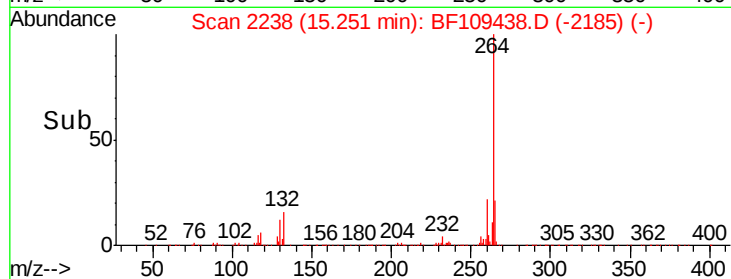
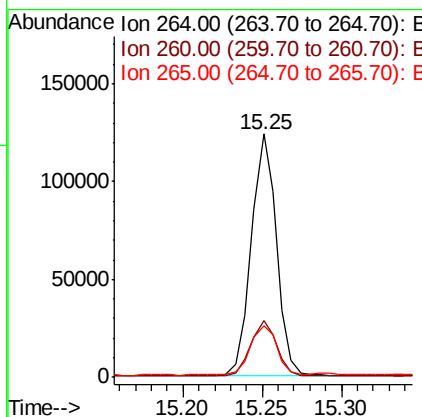
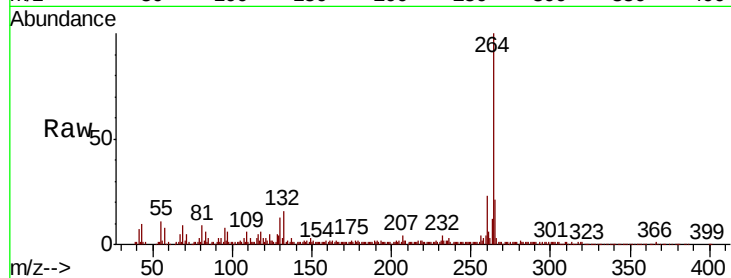


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109438.D
Acq: 28 Sep 2018 18:58

Instrument :
BNA_F
ClientSampleId :
PARCEL-190-092418-2

Tgt Ion:264 Resp: 136969

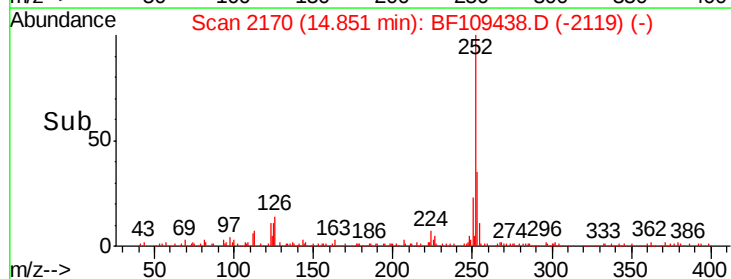
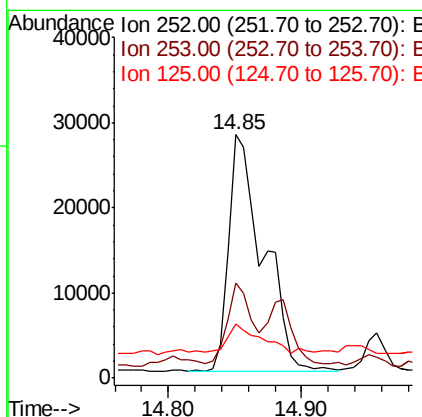
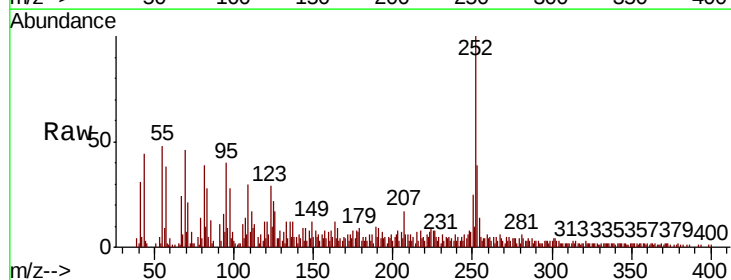
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.4	17.5	26.3

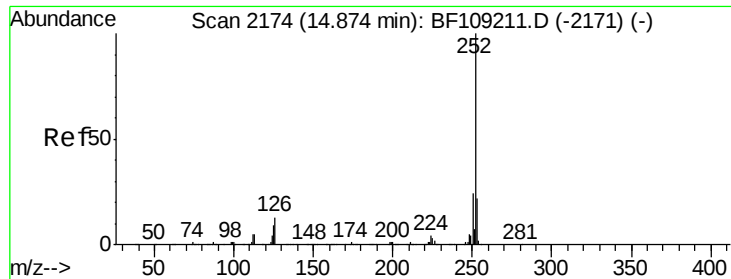


#87
Benzo(b)fluoranthene
Concen: 6.729 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109438.D
Acq: 28 Sep 2018 18:58

Tgt Ion:252 Resp: 50643

Ion	Ratio	Lower	Upper
252	100		
253	38.8	17.0	25.6#
125	22.1	9.0	13.6#

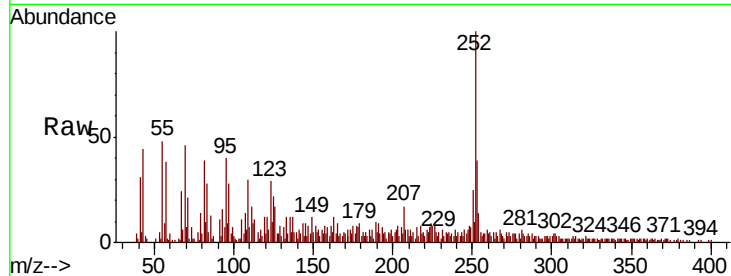




#88
Benzo(k)fluoranthene
Concen: 7.091 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109438.D
Acq: 28 Sep 2018 18:58

Instrument :
BNA_F
ClientSampleId :
PARCEL-190-092418-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.8	17.9	26.9#
125	22.1	10.2	15.2#

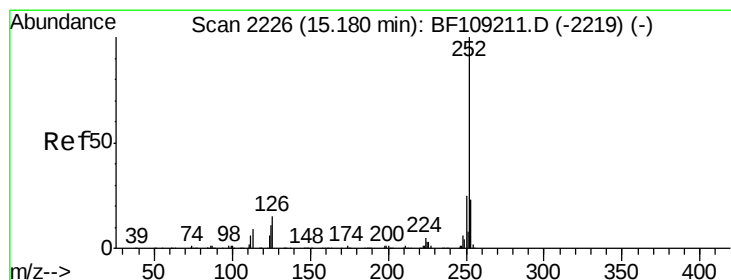
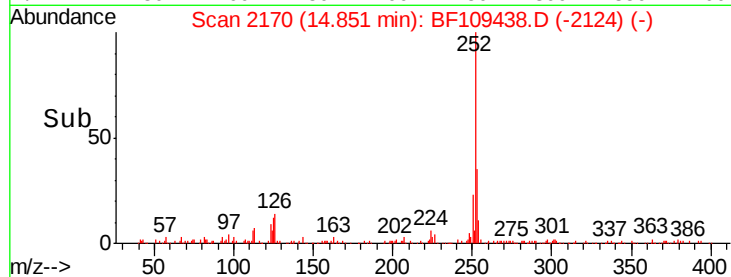
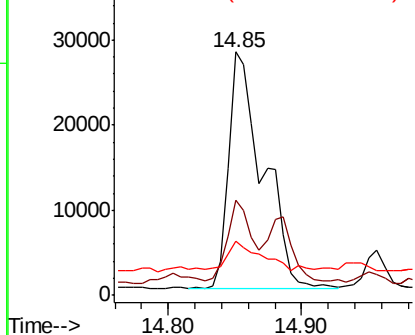


Abundance

Ion 252.00 (251.70 to 252.70): E

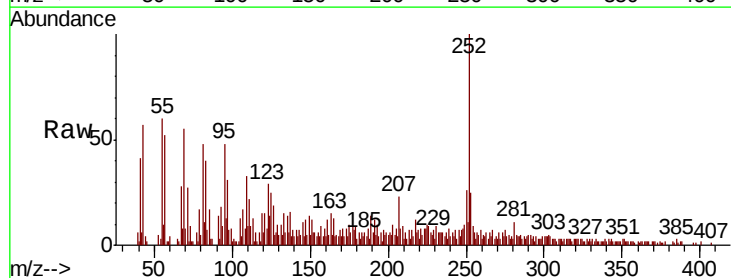
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 3.394 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109438.D
Acq: 28 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.1	25.7
125	24.9	9.8	14.6#

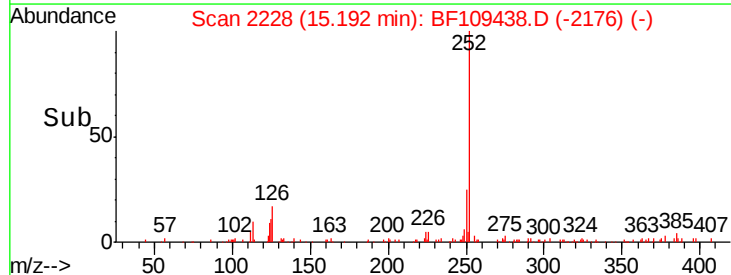
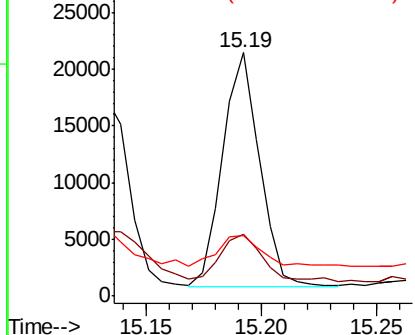


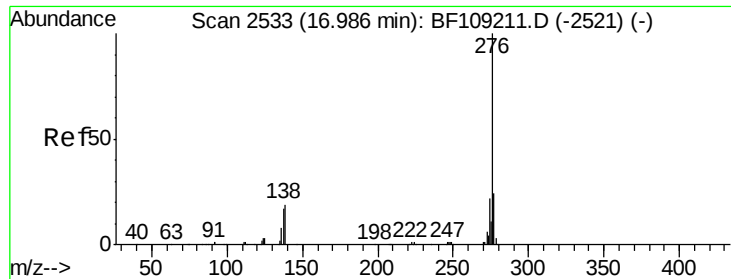
Abundance

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





#91

Benzo(g,h,i)perylene

Concen: 3.232 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF109438.D

Acq: 28 Sep 2018 18:58

Instrument :

BNA_F

ClientSampleId :

PARCEL-190-092418-2

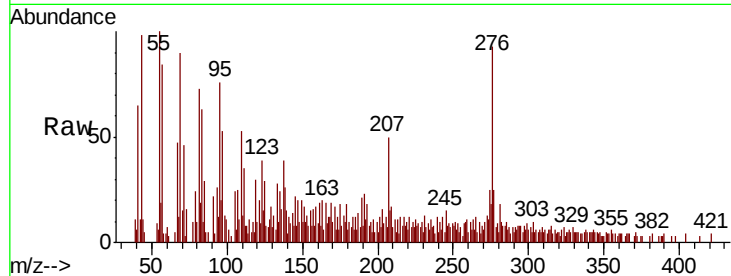
Tgt Ion: 276 Resp: 17671

Ion Ratio Lower Upper

276 100

277 26.3 17.9 26.9

138 28.2 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

