

Data File : BF109350.D
Acq On : 26 Sep 2018 21:14
Operator : JU/SJ
Sample : J4773-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-E

Quant Time: Sep 27 05:40:13 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	97566	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	355165	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	143361	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	247310	20.00	ng	0.00
75) Chrysene-d12	13.84	240	265702	20.00	ng	0.00
86) Perylene-d12	15.24	264	201794	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	489560	82.65	ng	0.00
7) Phenol-d6	6.35	99	609373	80.62	ng	-0.01
23) Nitrobenzene-d5	7.27	82	373537	62.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	119520	84.57	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	613002	64.49	ng	-0.01
78) Terphenyl-d14	12.80	244	560205	51.74	ng	0.00

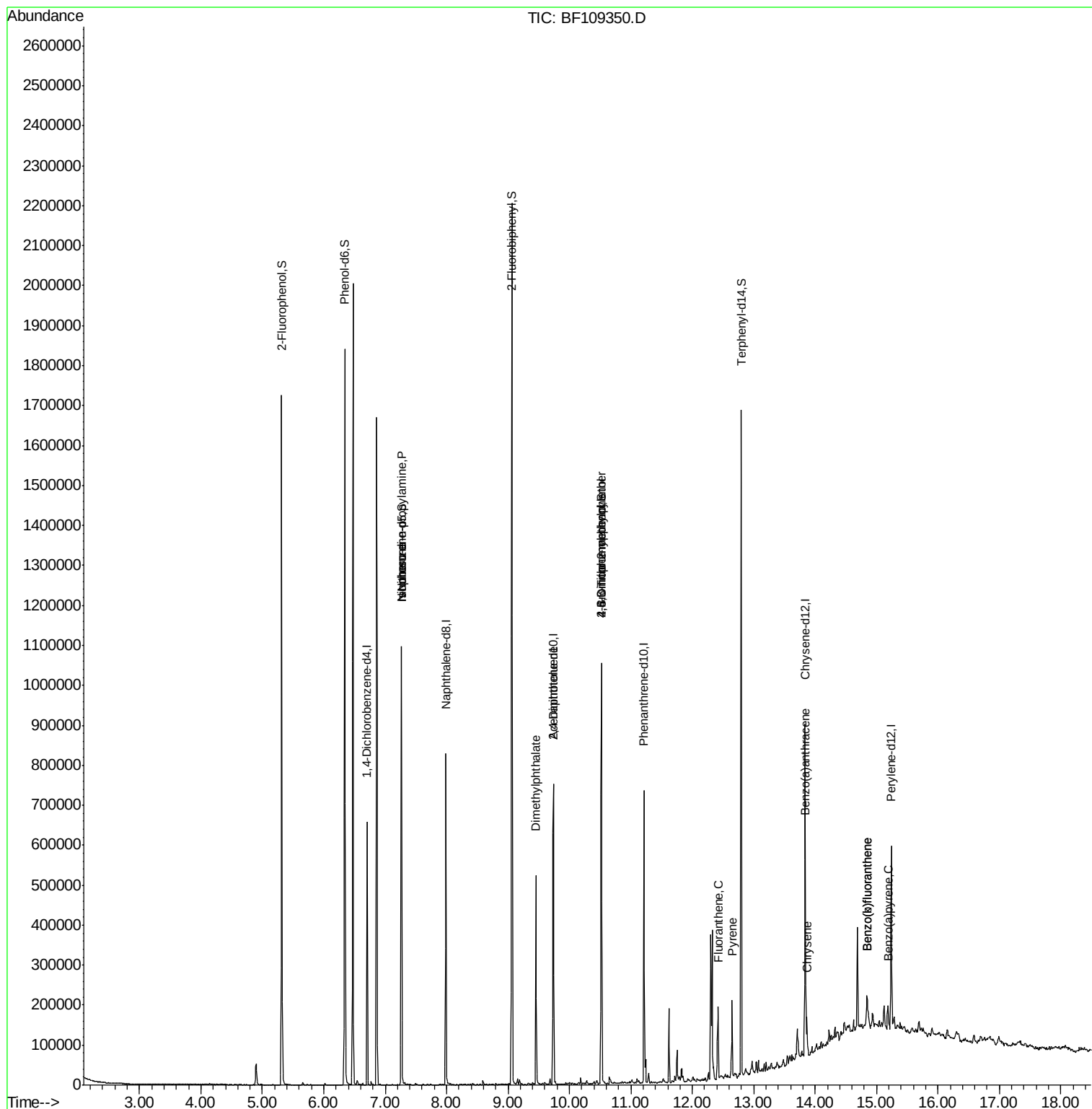
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	49509	9.996	ng	# 78
25) Isophorone	7.27	82	357811	33.026	ng	# 64
49) Dimethylphthalate	9.46	163	189283	18.153	ng	100
56) 2,4-Dinitrotoluene	9.74	165	18097	6.926	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.52	198	120	6.624	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	7298	2.657	ng	# 1
74) Fluoranthene	12.42	202	63429	4.807	ng	95
77) Pyrene	12.64	202	71051	3.731	ng	98
80) Benzo(a)anthracene	13.83	228	42464	2.653	ng	98
82) Chrysene	13.86	228	38112	2.403	ng	97
87) Benzo(b)fluoranthene	14.84	252	47846	4.315	ng	# 91
88) Benzo(k)fluoranthene	14.84	252	47846	4.547	ng	# 94
89) Benzo(a)pyrene	15.18	252	27091	2.711	ng	95

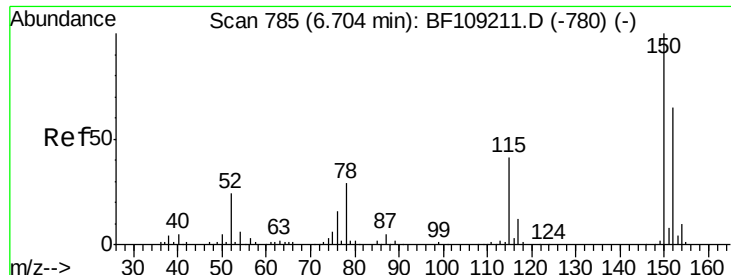
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BF109350.D
Acq On : 26 Sep 2018 21:14
Operator : JU/SJ
Sample : J4773-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-E

Quant Time: Sep 27 05:40:13 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

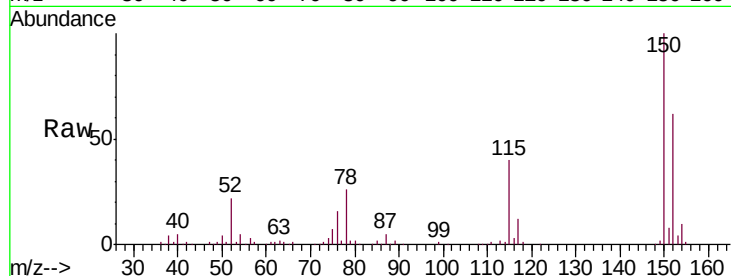




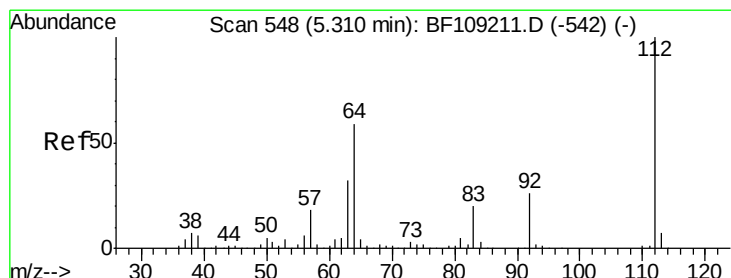
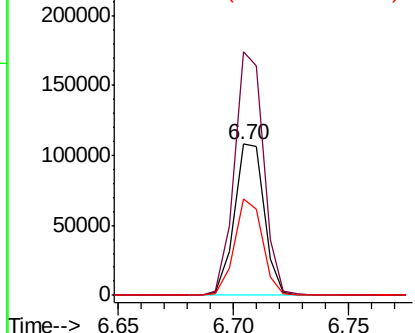
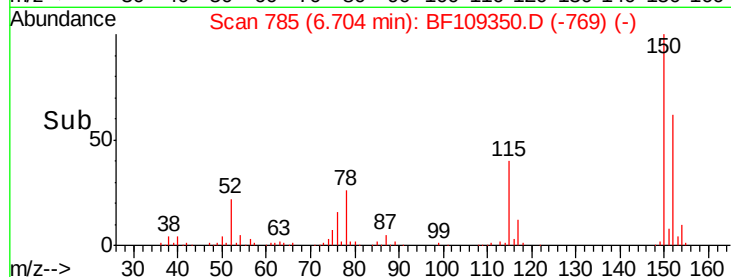
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109350.D
 Acq: 26 Sep 2018 21:14

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092518-E

Tgt Ion:152 Resp: 97566
 Ion Ratio Lower Upper
 152 100
 150 160.9 124.6 186.8
 115 63.7 50.1 75.1

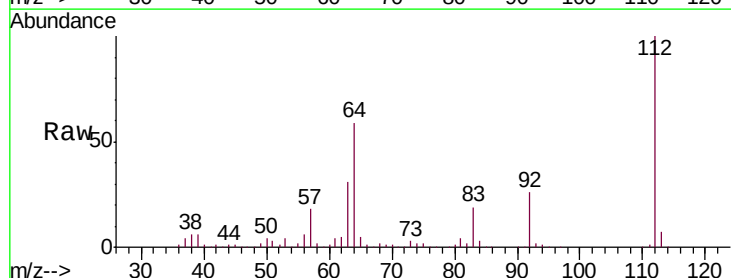


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

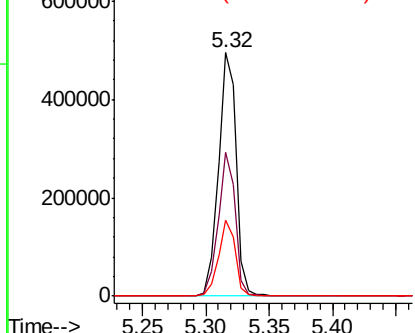
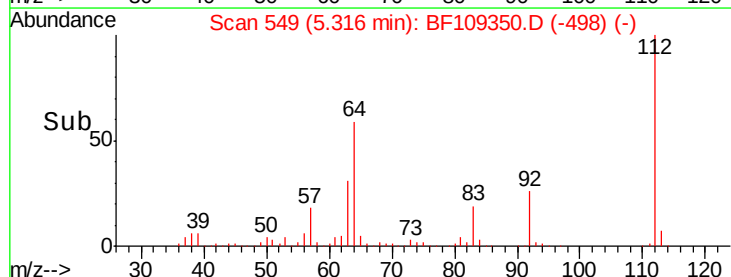


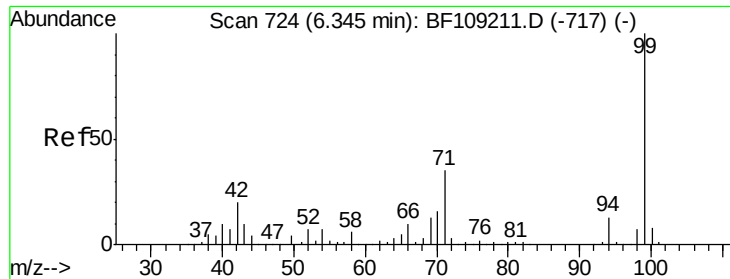
#5
 2-Fluorophenol
 Concen: 82.646 ng
 RT: 5.32 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: BF109350.D
 Acq: 26 Sep 2018 21:14

Tgt Ion:112 Resp: 489560
 Ion Ratio Lower Upper
 112 100
 64 58.9 47.9 71.9
 63 31.0 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: 80.619 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-E

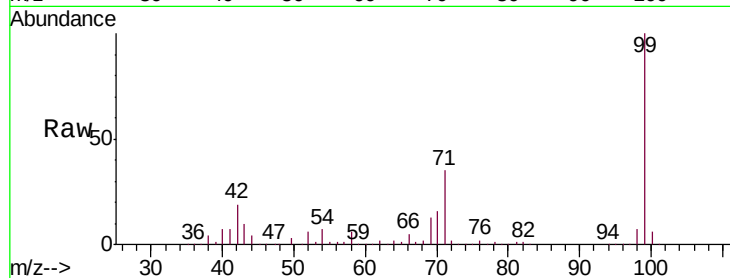
Tgt Ion: 99 Resp: 609373

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

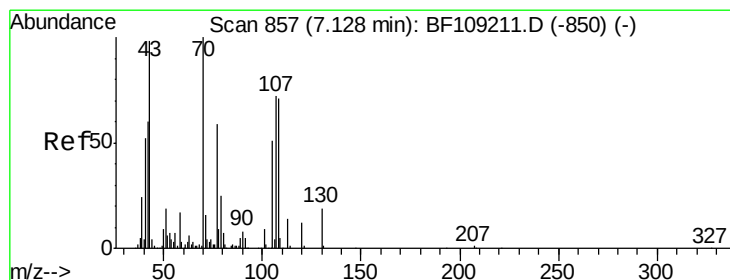
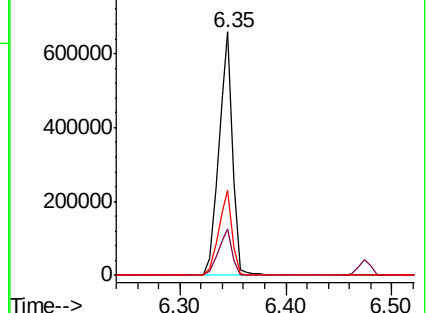
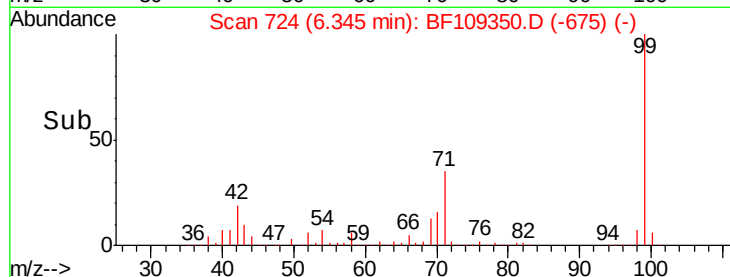
71 34.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.996 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

Tgt Ion: 70 Resp: 49509

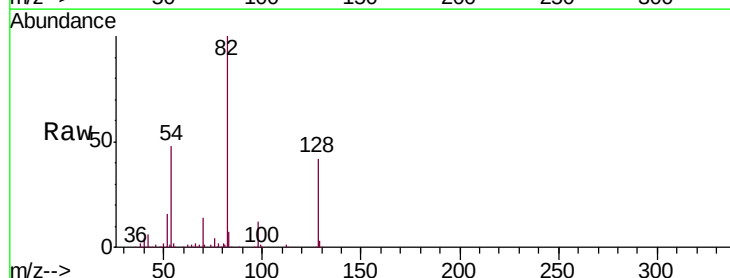
Ion Ratio Lower Upper

70 100

42 47.8 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

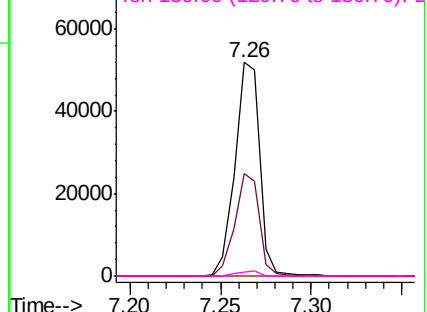
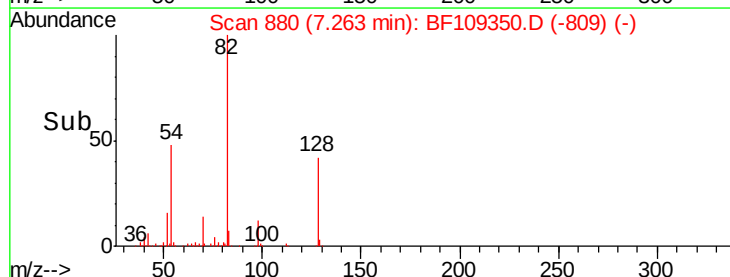


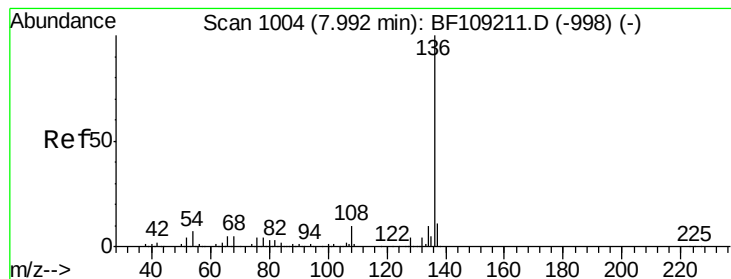
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF109350.D

Acq: 26 Sep 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-E

Tgt Ion: 136 Resp: 355165

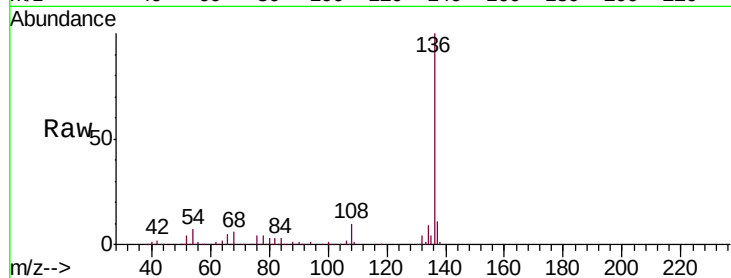
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.4 6.6 9.8

68 5.9 5.0 7.4

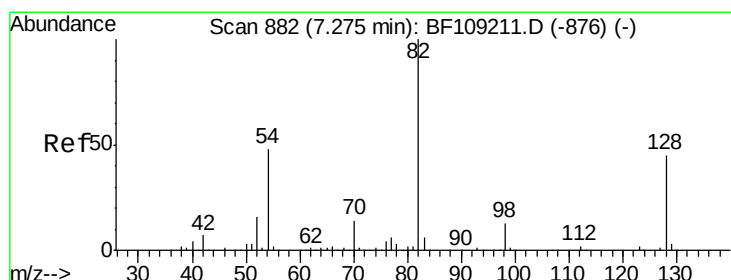
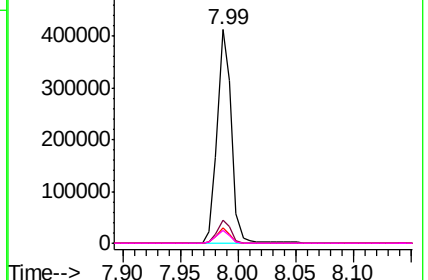
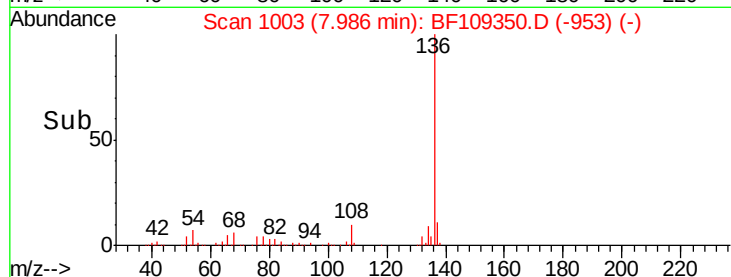


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.085 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

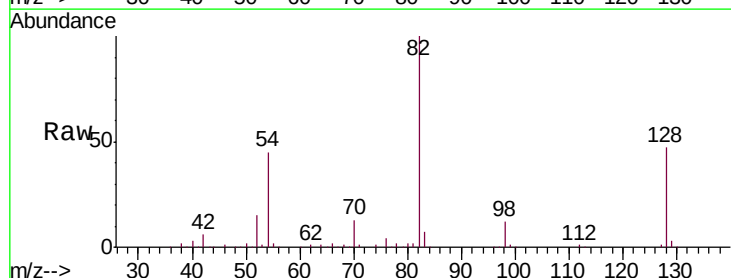
Tgt Ion: 82 Resp: 373537

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

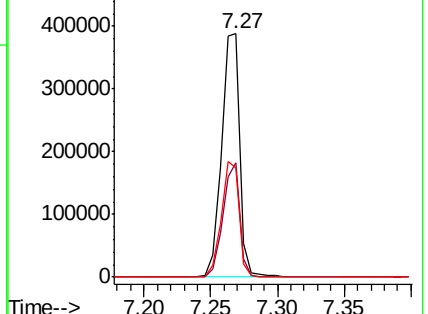
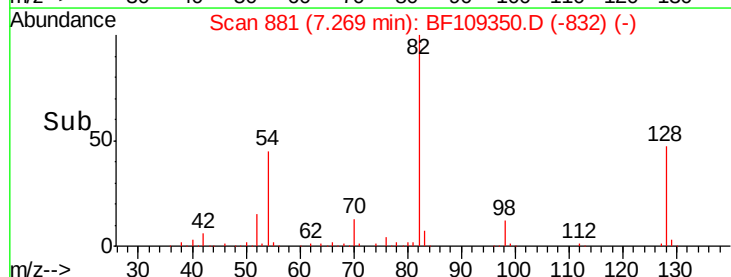
54 45.0 41.4 62.2

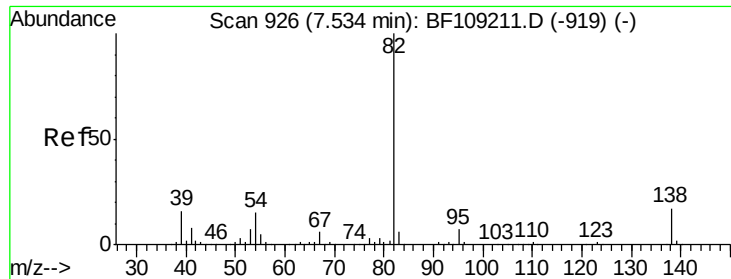


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.026 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-E

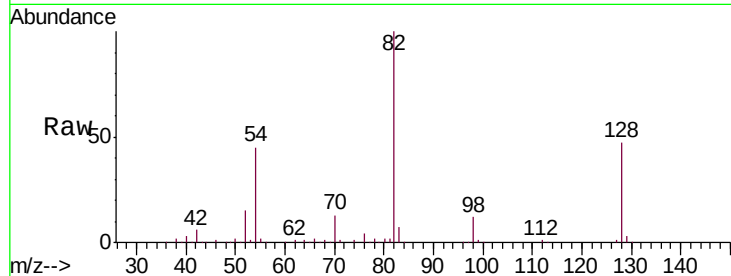
Tgt Ion: 82 Resp: 357811

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

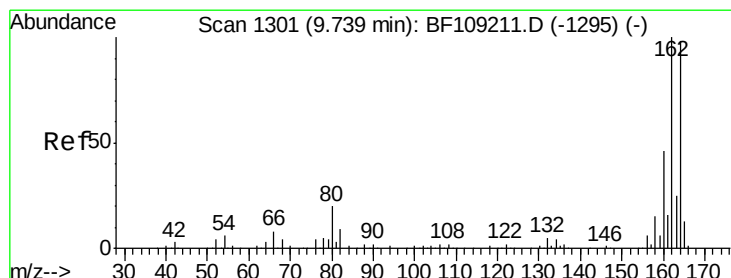
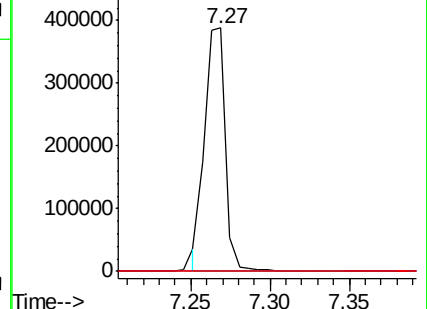
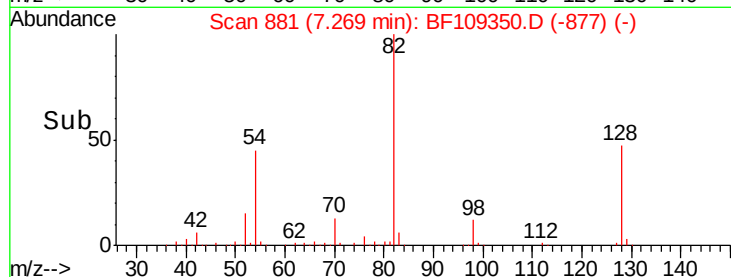
138 0.0 14.9 22.3#



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: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

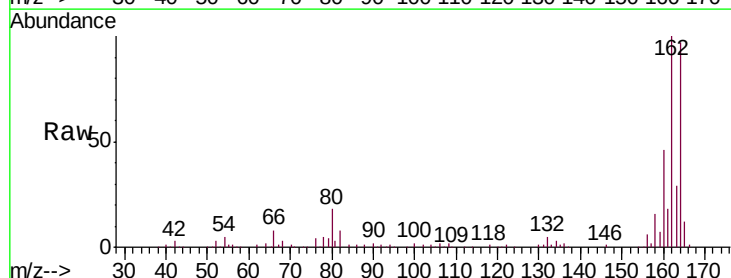
Tgt Ion: 164 Resp: 143361

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

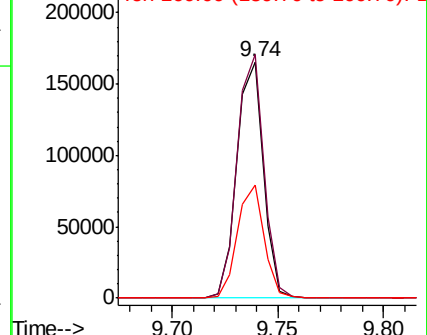
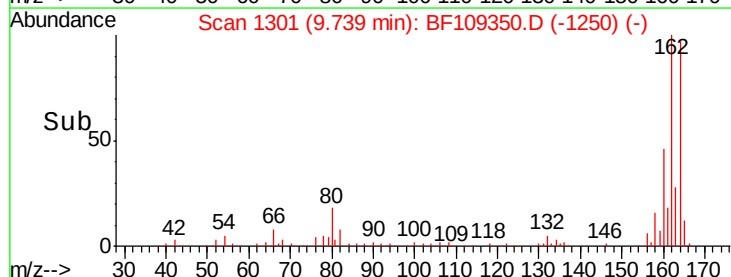
160 47.8 38.3 57.5

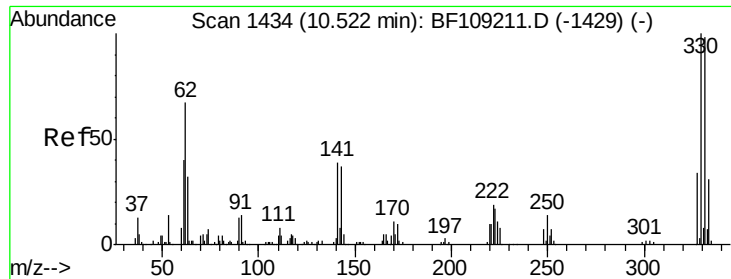


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

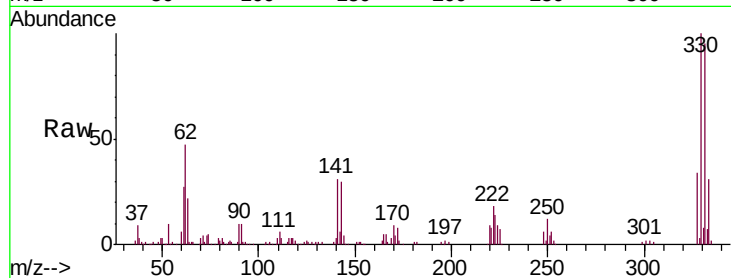




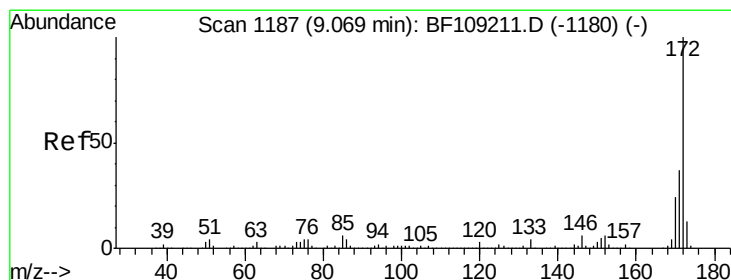
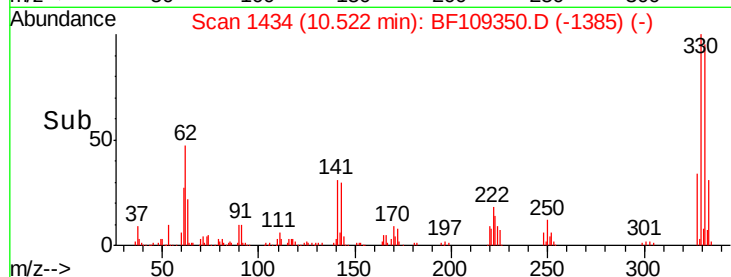
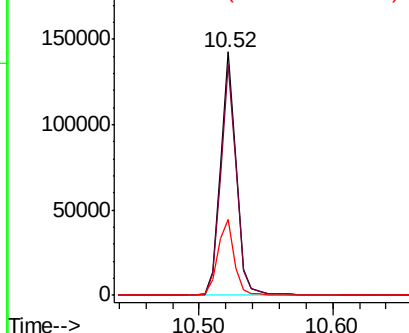
#41
 2,4,6-Tribromophenol
 Concen: 84.572 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109350.D
 Acq: 26 Sep 2018 21:14

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092518-E

Tgt Ion:330 Resp: 119520
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 32.4 29.9 44.9

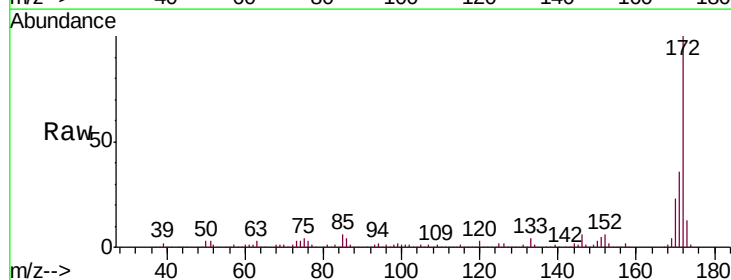


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

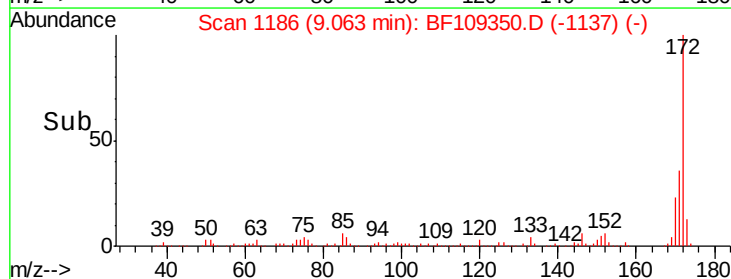
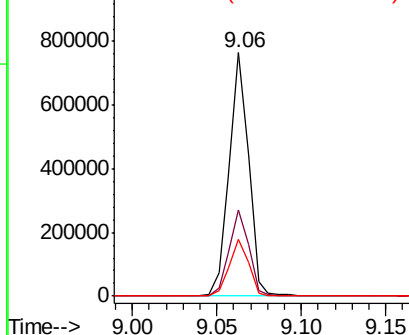


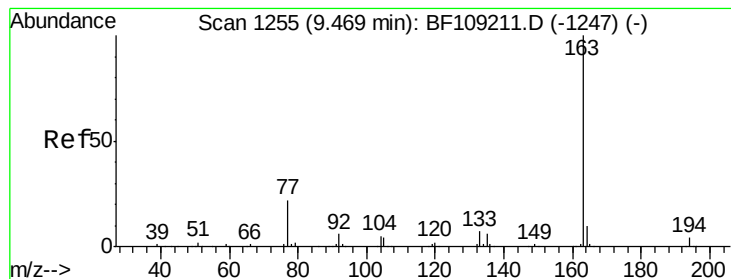
#44
 2-Fluorobiphenyl
 Concen: 64.489 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109350.D
 Acq: 26 Sep 2018 21:14

Tgt Ion:172 Resp: 613002
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.5 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: 18.153 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-E

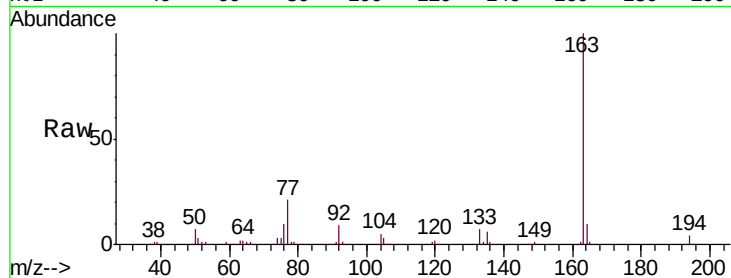
Tgt Ion:163 Resp: 189283

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

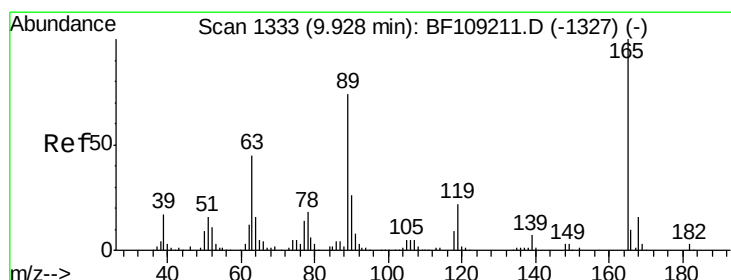
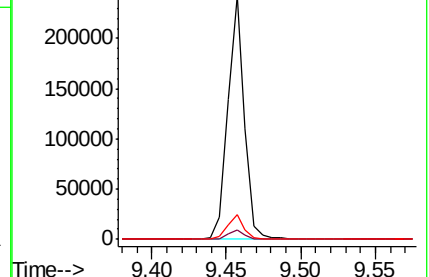
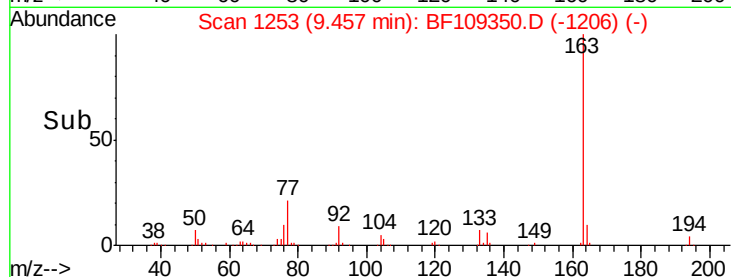
164 10.2 8.2 12.2



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: 6.926 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.20 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

Tgt Ion:165 Resp: 18097

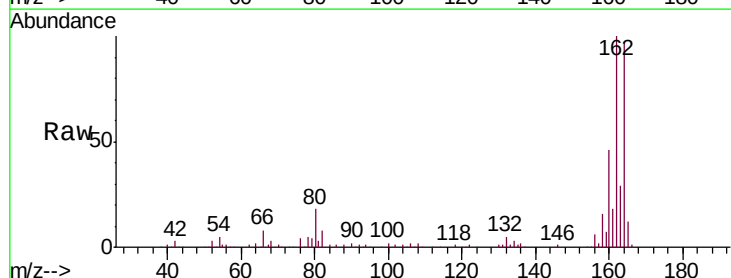
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

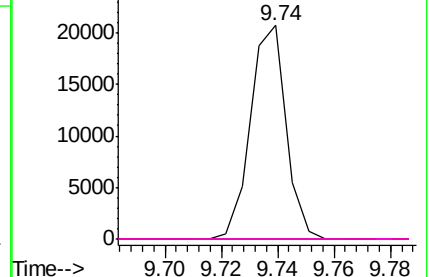
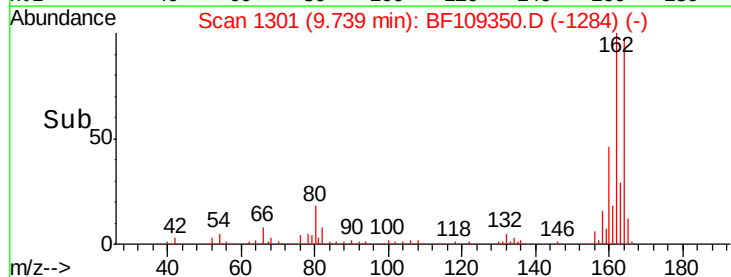


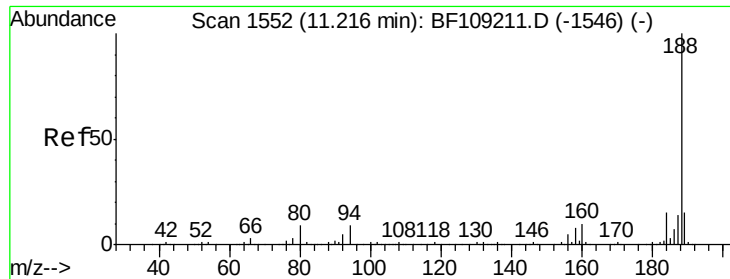
Abundance Ion 165.00 (164.70 to 165.70): E

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

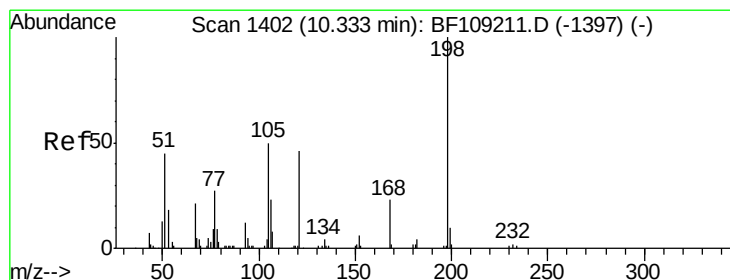
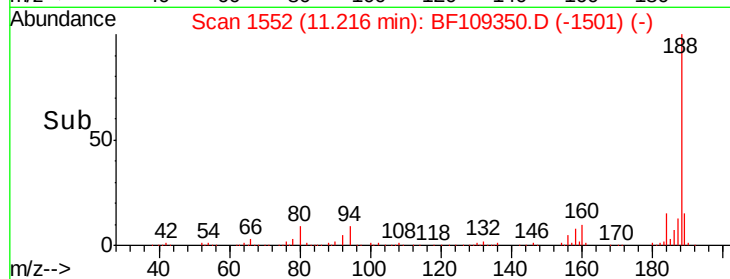
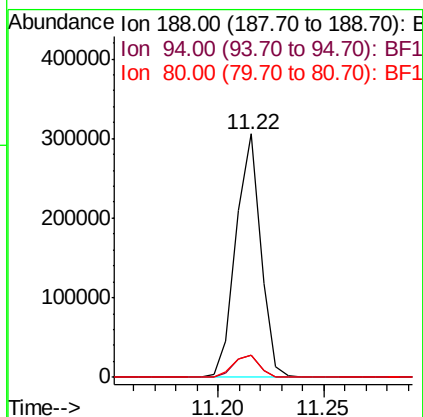
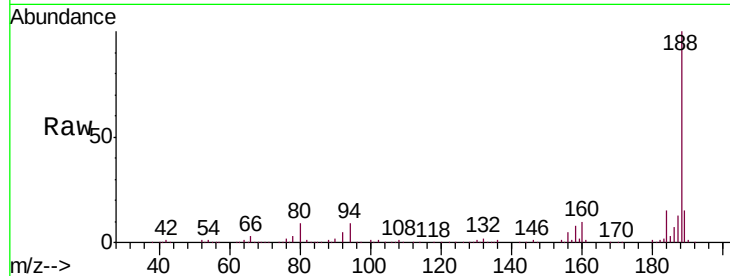




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109350.D
 Acq: 26 Sep 2018 21:14

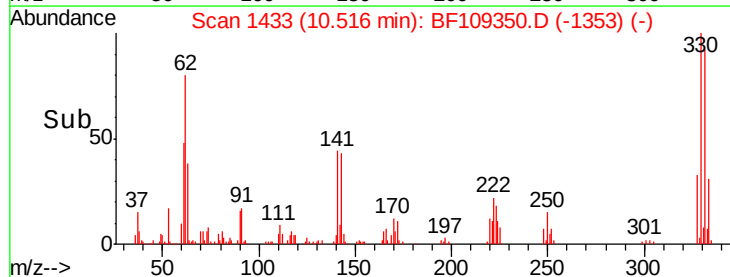
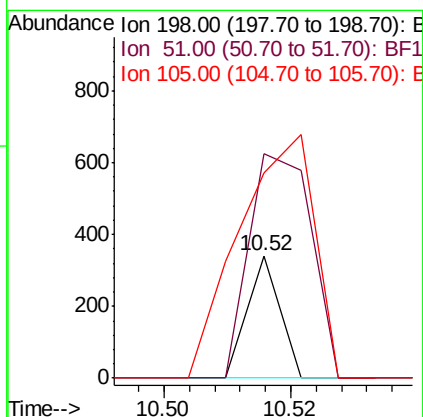
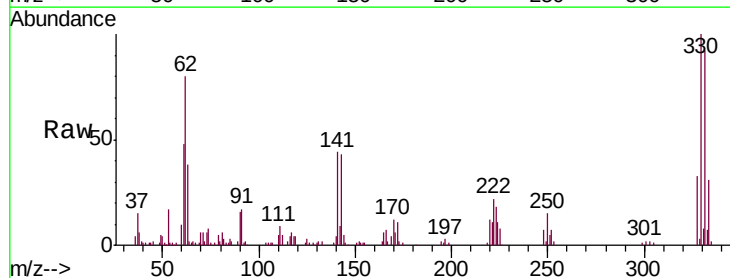
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092518-E

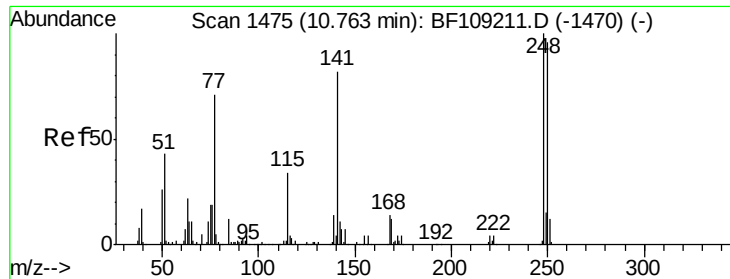
Tgt Ion:188 Resp: 247310
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.5 12.7
 80 9.1 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.624 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109350.D
 Acq: 26 Sep 2018 21:14

Tgt Ion:198 Resp: 120
 Ion Ratio Lower Upper
 198 100
 51 183.8 37.7 77.7#
 105 167.9 36.3 76.3#

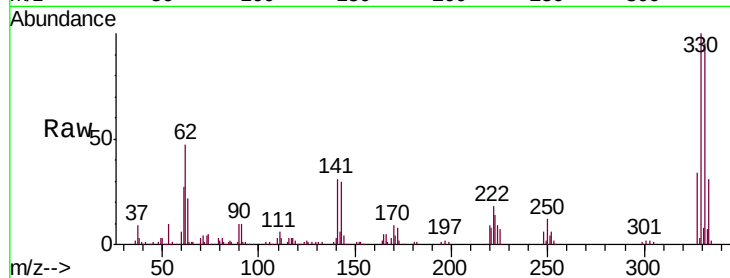




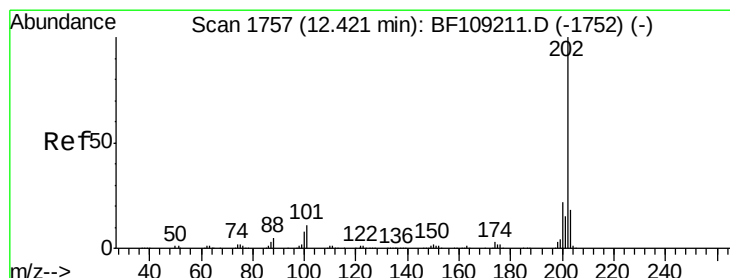
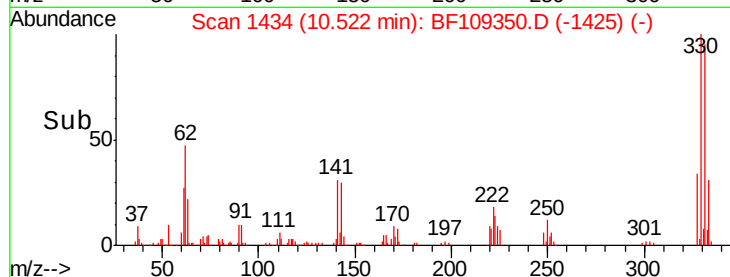
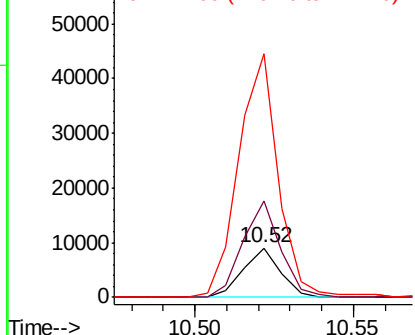
#66
 4-Bromophenyl-phenylether
 Concen: 2.657 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109350.D
 Acq: 26 Sep 2018 21:14

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092518-E

Tgt Ion: 248 Resp: 7298
 Ion Ratio Lower Upper
 248 100
 250 195.4 76.9 115.3#
 141 494.7 74.4 111.6#

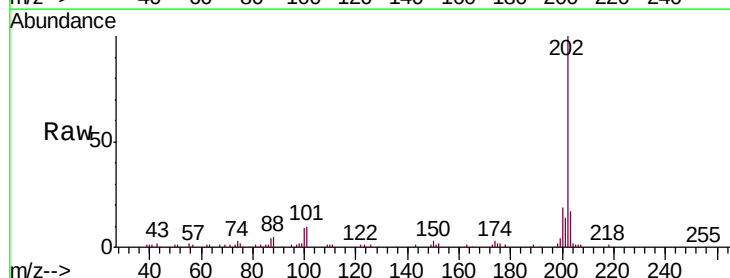


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

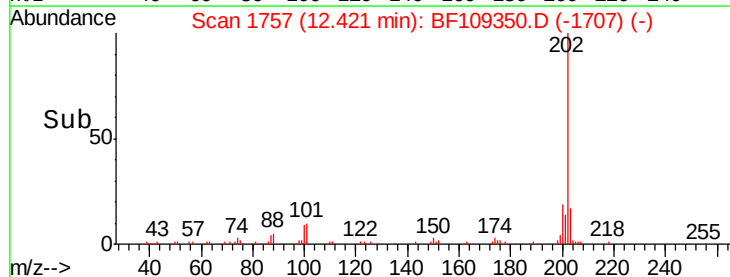
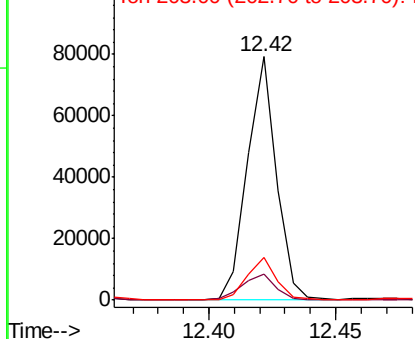


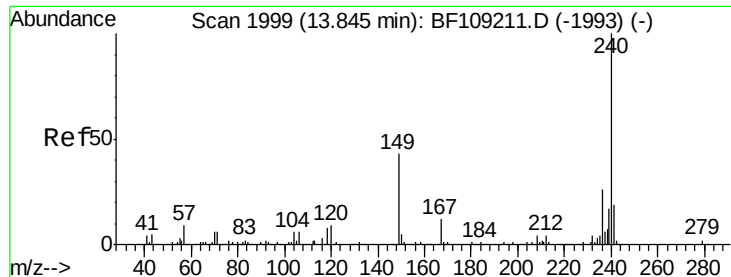
#74
 Fluoranthene
 Concen: 4.807 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BF109350.D
 Acq: 26 Sep 2018 21:14

Tgt Ion: 202 Resp: 63429
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 34.1
 203 17.4 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: BF109350.D

Acq: 26 Sep 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-E

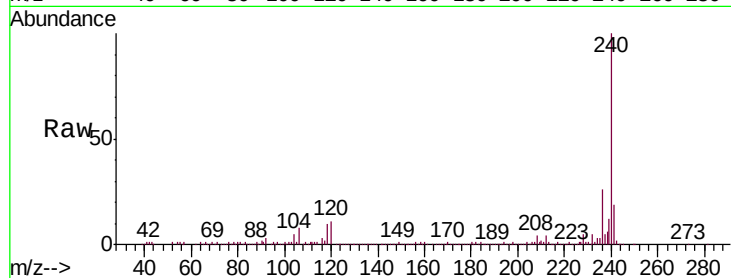
Tgt Ion:240 Resp: 265702

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

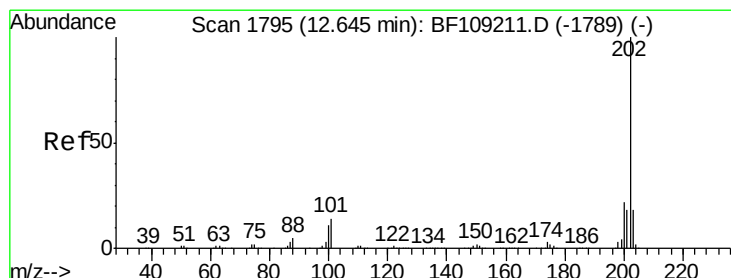
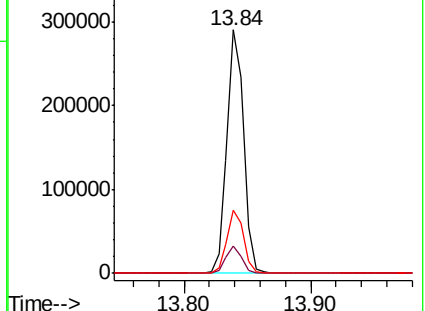
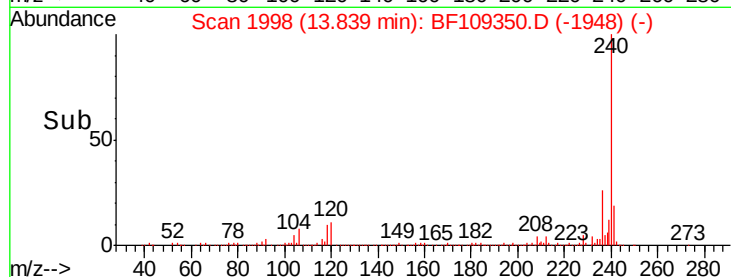
236 26.1 20.7 31.1



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: 3.731 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

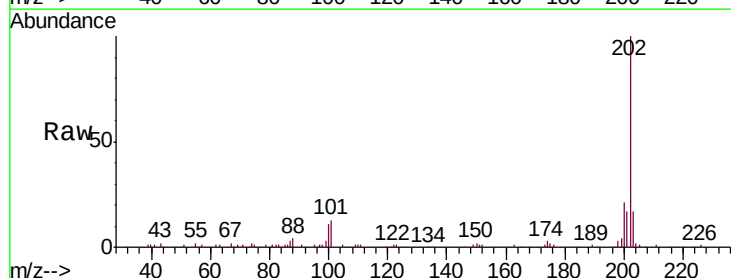
Tgt Ion:202 Resp: 71051

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

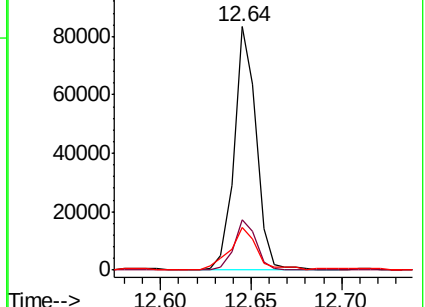
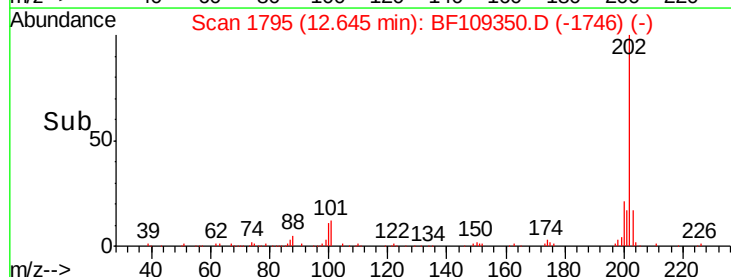
203 17.4 14.3 21.5

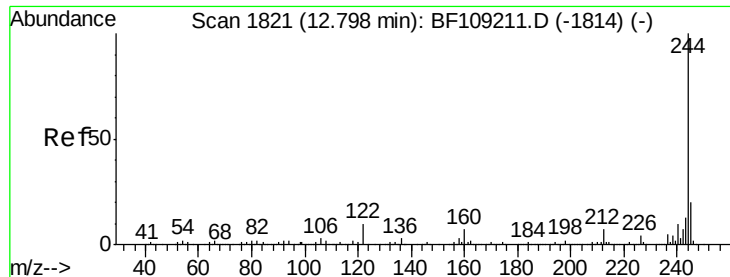


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.743 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-E

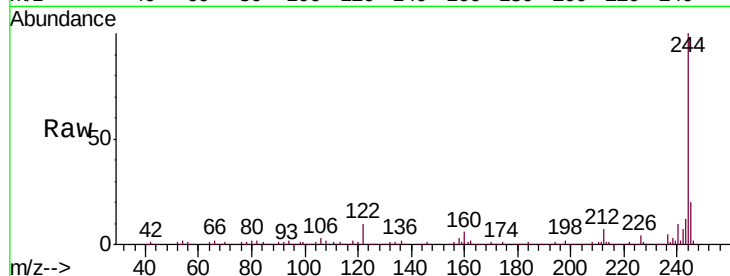
Tgt Ion:244 Resp: 560205

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

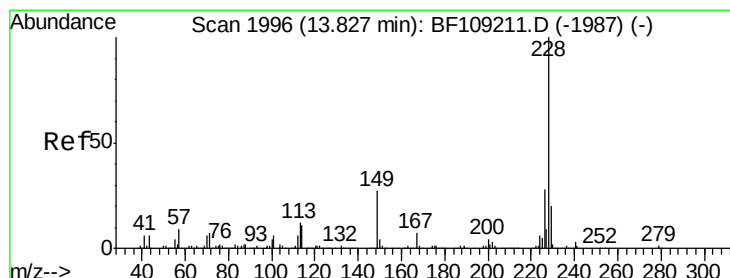
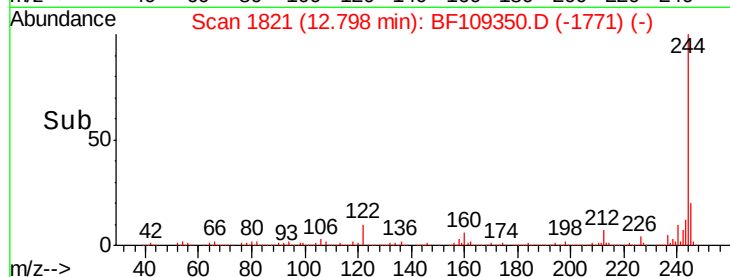
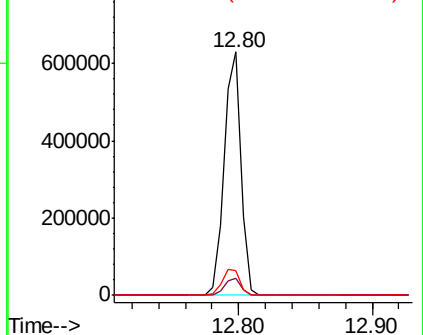
122 10.1 11.0 16.4#



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: 2.653 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

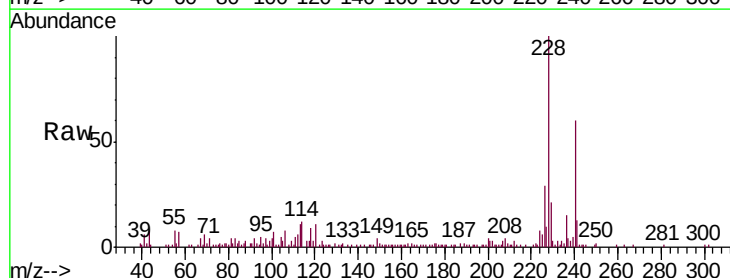
Tgt Ion:228 Resp: 42464

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

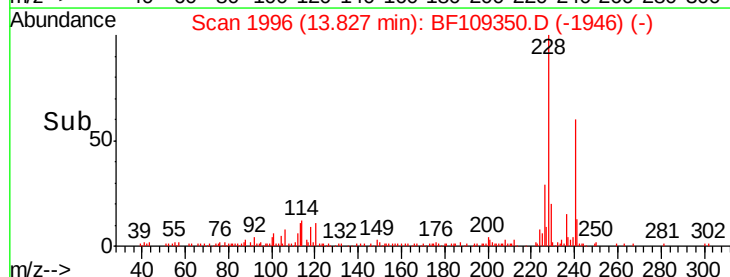
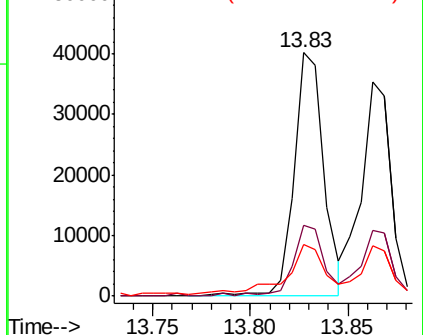
229 20.9 15.8 23.6

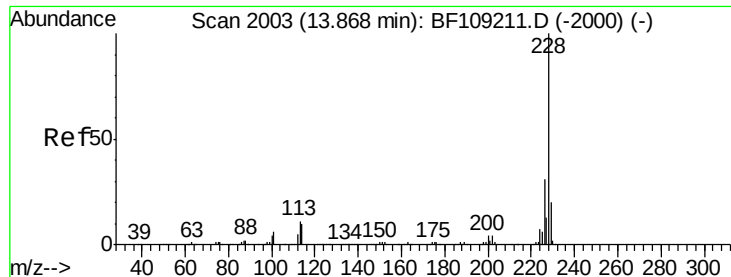


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.403 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-E

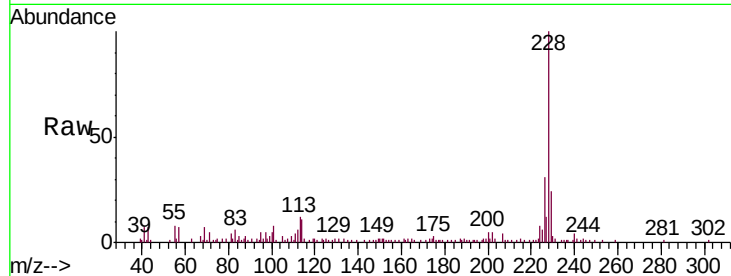
Tgt Ion:228 Resp: 38112

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

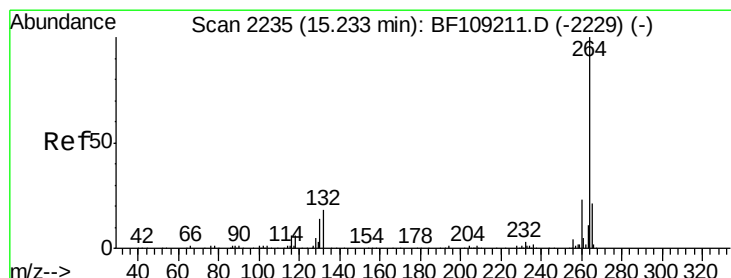
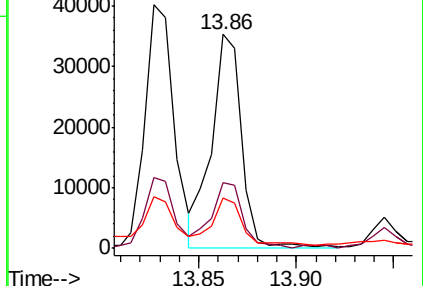
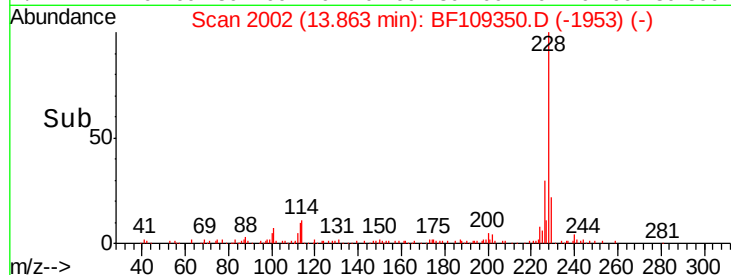
229 23.6 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

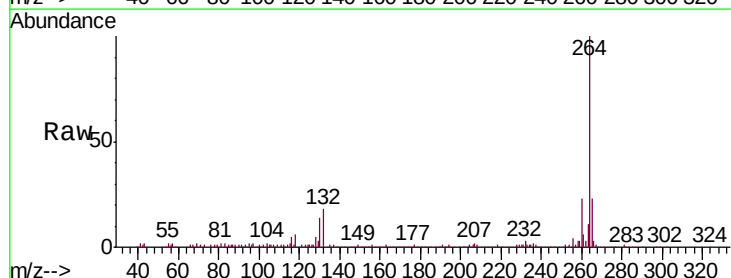
Tgt Ion:264 Resp: 201794

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

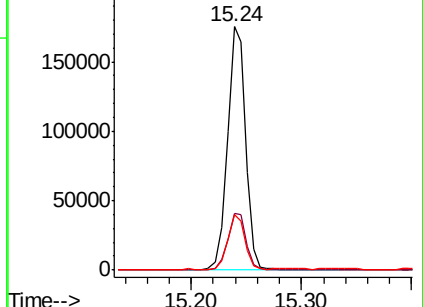
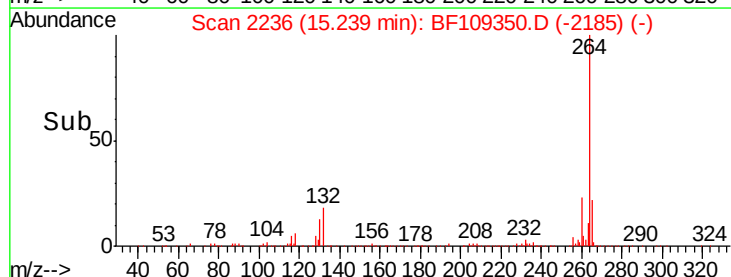
265 22.5 17.5 26.3

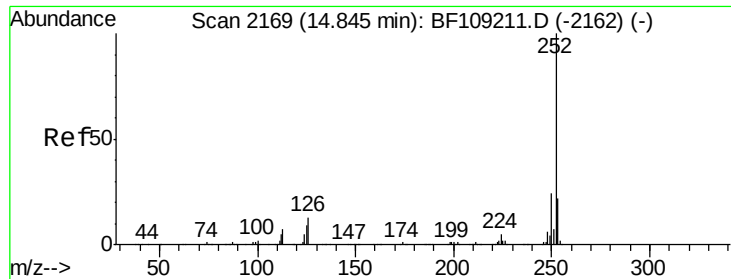


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.315 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

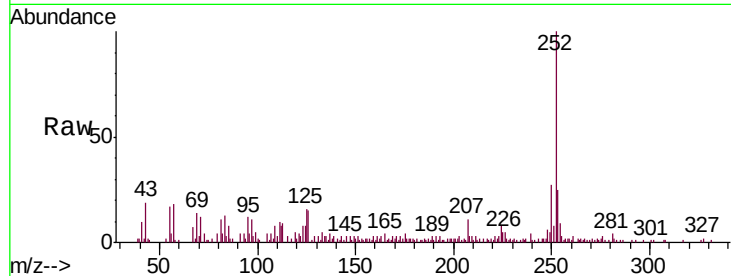
Instrument :

BNA_F

ClientSampleId :

CL-02-092518-E

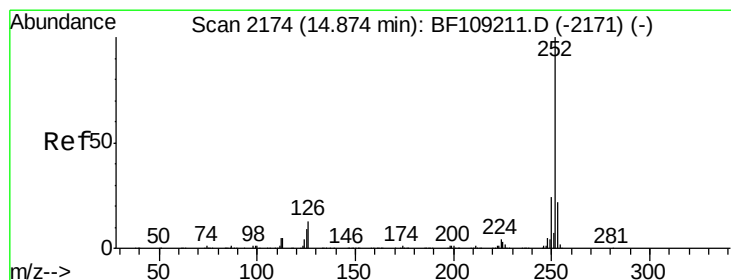
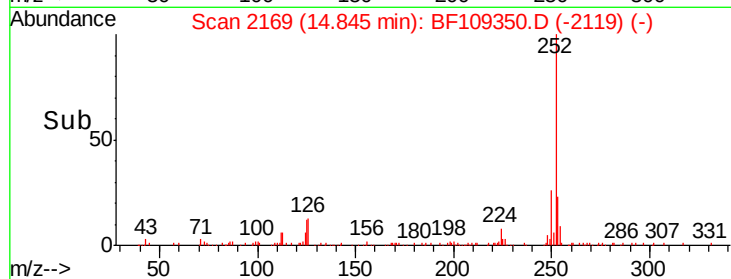
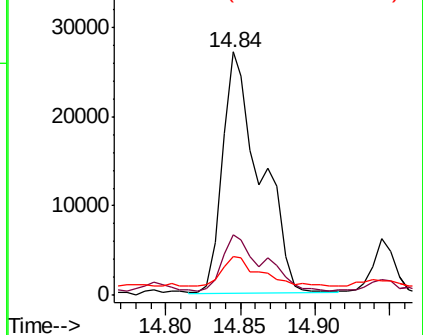
Tgt Ion:	252	Resp:	47846
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	16.0	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.547 ng

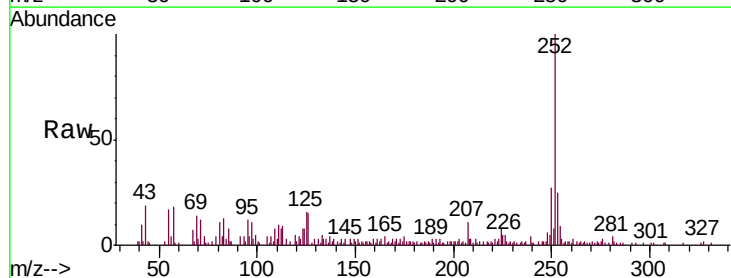
RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109350.D

Acq: 26 Sep 2018 21:14

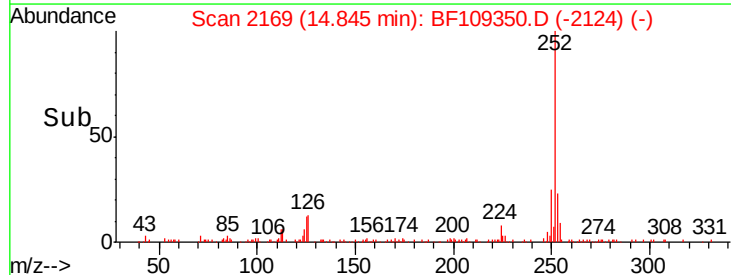
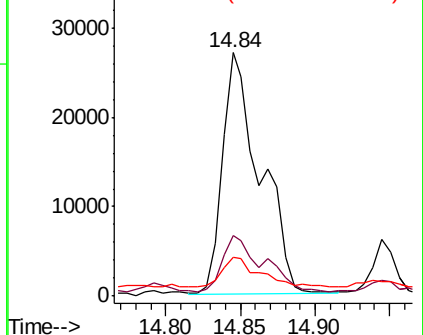
Tgt Ion:	252	Resp:	47846
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	16.0	10.2	15.2#

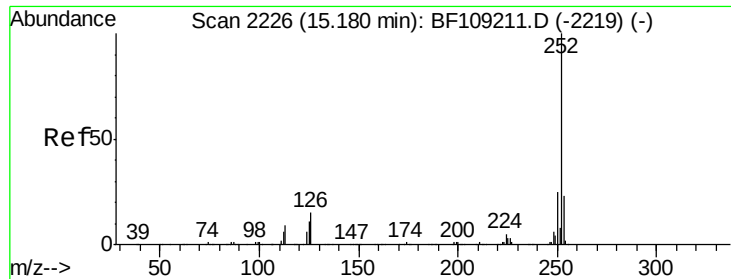


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.711 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109350.D

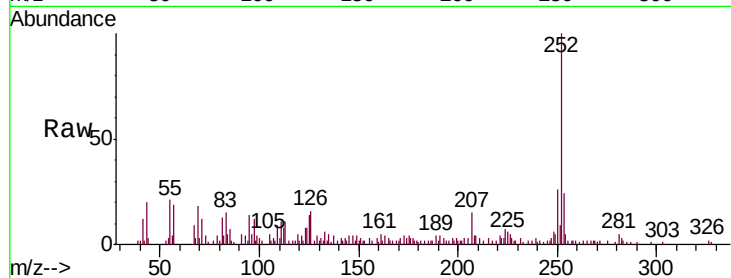
Acq: 26 Sep 2018 21:14

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-E



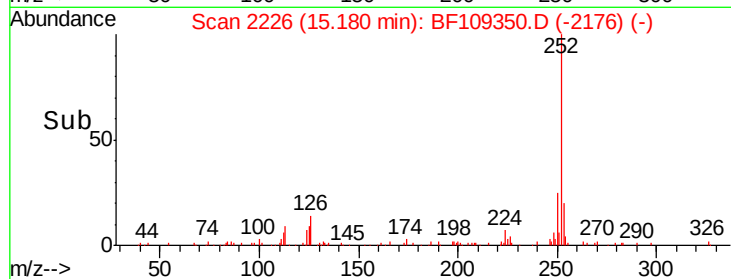
Tgt Ion:252 Resp: 27091

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 14.5 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

