

Data File : BF109343.D
Acq On : 26 Sep 2018 18:11
Operator : JU/SJ
Sample : J5070-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200028

Quant Time: Sep 27 05:38:37 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	101778	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	391199	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	187549	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	349773	20.00	ng	0.00
75) Chrysene-d12	13.84	240	256620	20.00	ng	0.00
86) Perylene-d12	15.24	264	282763	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	566303	91.65	ng	0.00
7) Phenol-d6	6.35	99	726446	92.13	ng	-0.01
23) Nitrobenzene-d5	7.27	82	459878	69.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	191812	103.75	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	766158	61.61	ng	-0.01
78) Terphenyl-d14	12.80	244	623625	59.64	ng	0.00

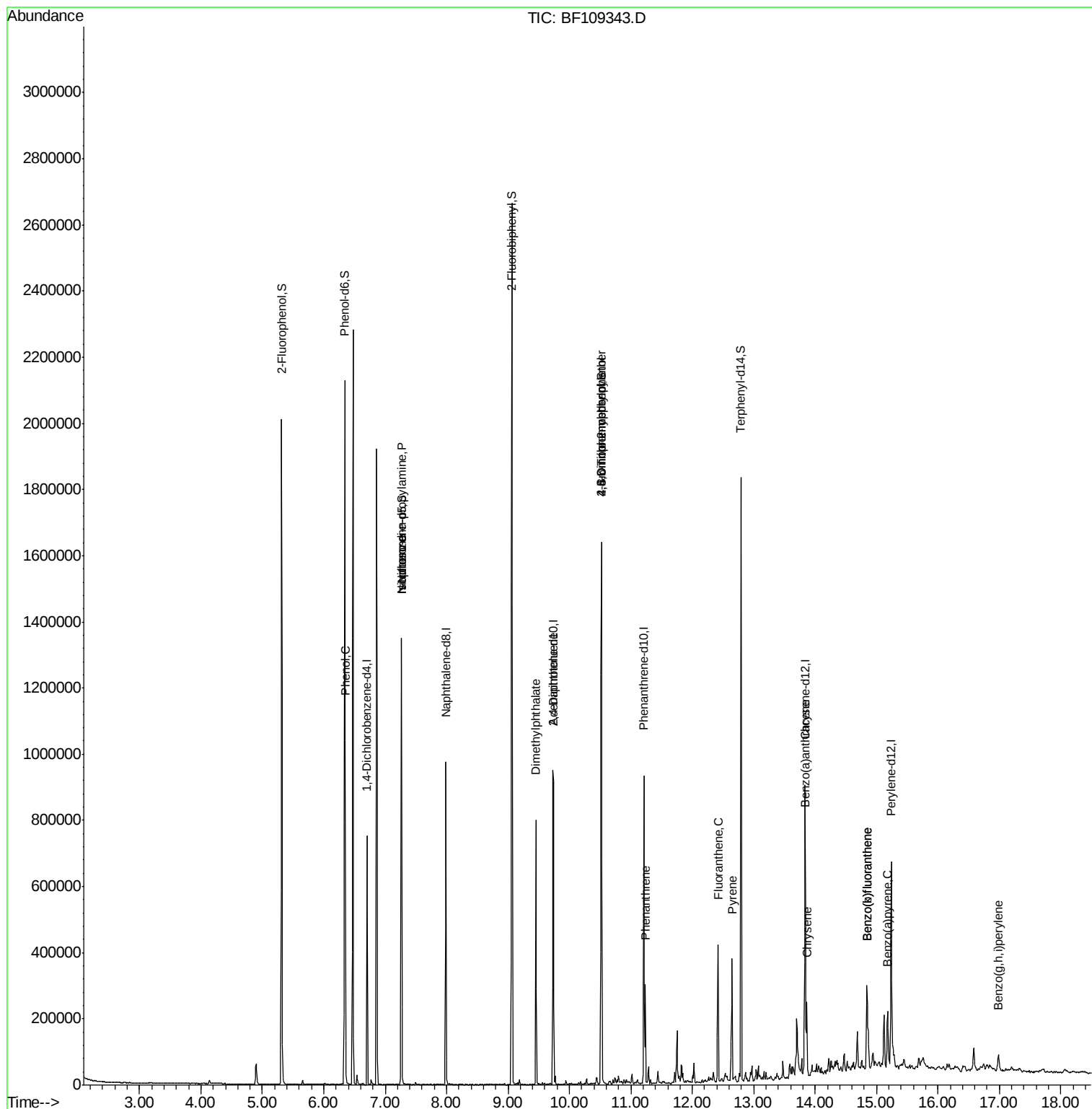
Target Compounds				Qvalue		
10) Phenol	6.36	94	18880	2.114	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	62192	12.037	ng	# 75
25) Isophorone	7.27	82	432755	36.264	ng	# 64
49) Dimethylphthalate	9.46	163	277902	20.372	ng	98
56) 2,4-Dinitrotoluene	9.73	165	24150	7.065	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	343	6.731	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	12011	3.092	ng	# 1
70) Phenanthrene	11.23	178	109691	6.281	ng	98
74) Fluoranthene	12.42	202	168715	9.040	ng	94
77) Pyrene	12.64	202	141002	7.667	ng	98
80) Benzo(a)anthracene	13.83	228	78398	5.072	ng	99
82) Chrysene	13.86	228	81500	5.320	ng	96
87) Benzo(b)fluoranthene	14.84	252	157905	10.163	ng	96
88) Benzo(k)fluoranthene	14.84	252	157905	10.710	ng	98
89) Benzo(a)pyrene	15.18	252	73006	5.214	ng	98
91) Benzo(g,h,i)perylene	16.99	276	38302	3.393	ng	# 92

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

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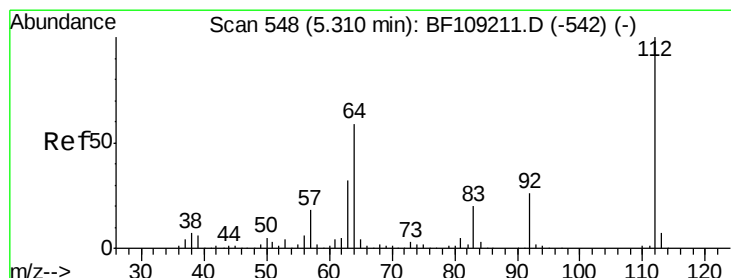
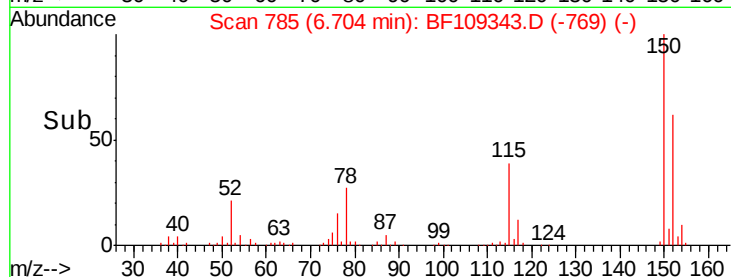
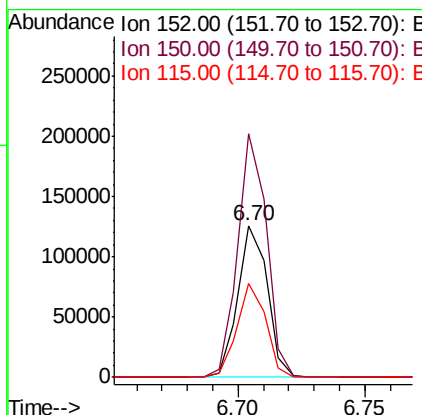
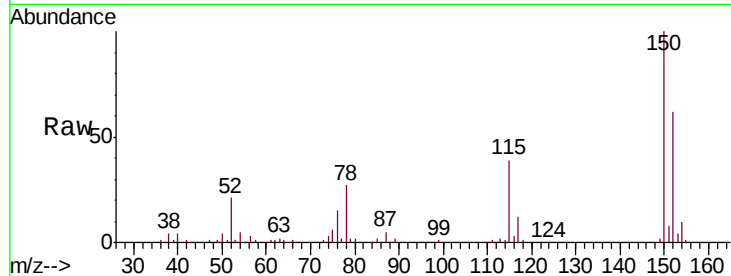




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109343.D
 Acq: 26 Sep 2018 18:11

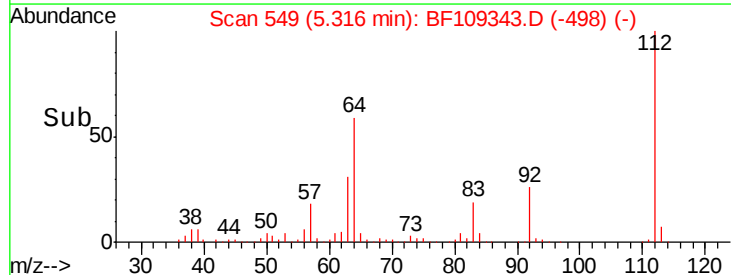
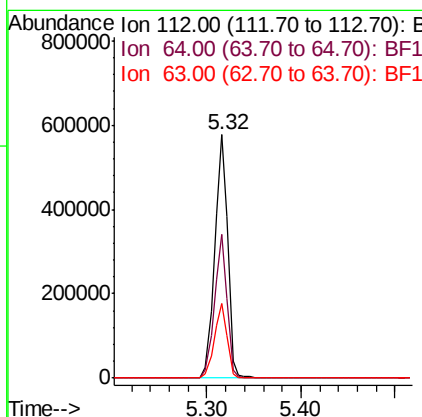
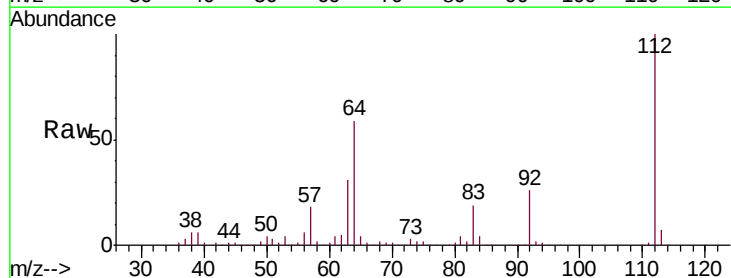
Instrument :
 BNA_F
 ClientSampleId :
 CS-RBR-200028

Tgt Ion:152 Resp: 101778
 Ion Ratio Lower Upper
 152 100
 150 160.7 124.6 186.8
 115 61.9 50.1 75.1



#5
 2-Fluorophenol
 Concen: 91.645 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109343.D
 Acq: 26 Sep 2018 18:11

Tgt Ion:112 Resp: 566303
 Ion Ratio Lower Upper
 112 100
 64 59.1 47.9 71.9
 63 30.8 23.7 35.5





#7

Phenol-d6

Concen: 92.130 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200028

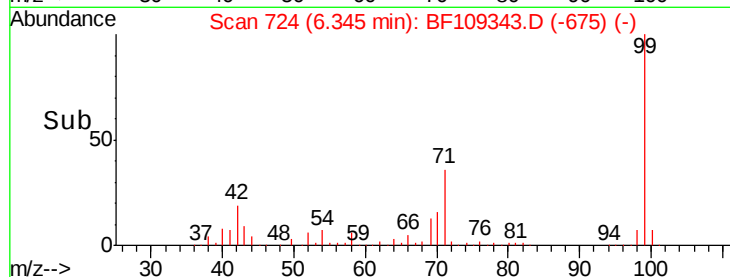
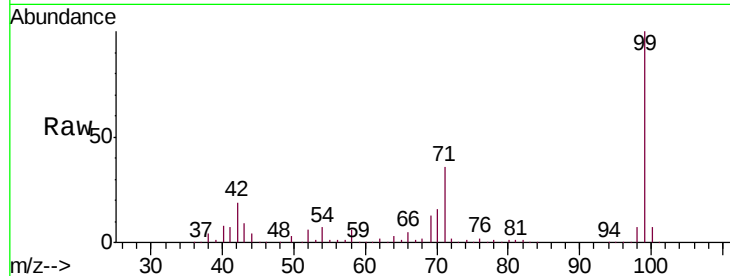
Tgt Ion: 99 Resp: 726446

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

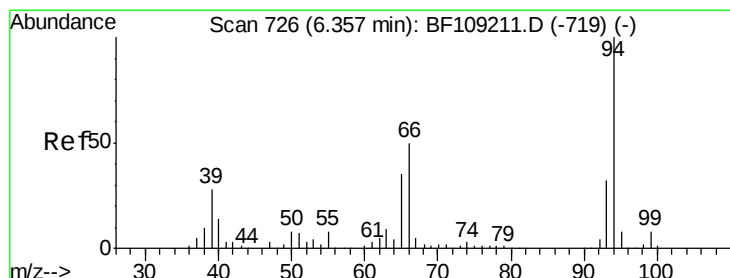
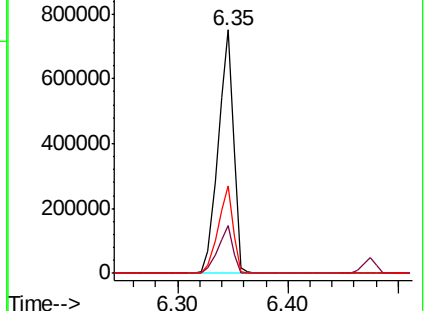
71 35.8 25.4 38.0



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



#10

Phenol

Concen: 2.114 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

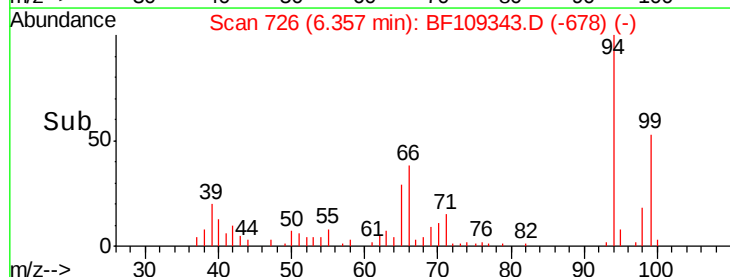
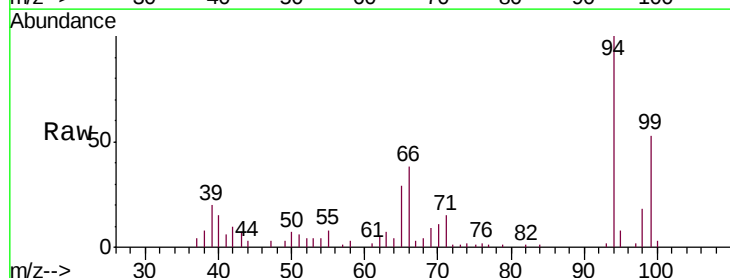
Tgt Ion: 94 Resp: 18880

Ion Ratio Lower Upper

94 100

65 28.6 7.9 47.9

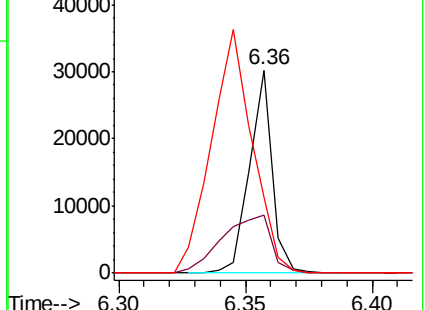
66 37.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

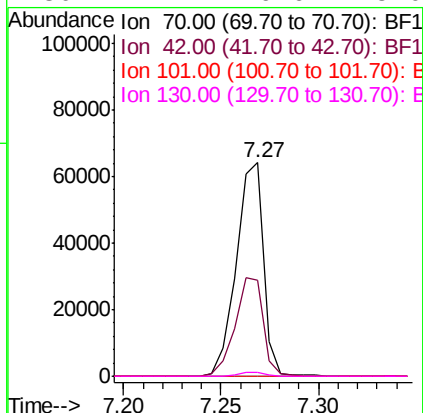
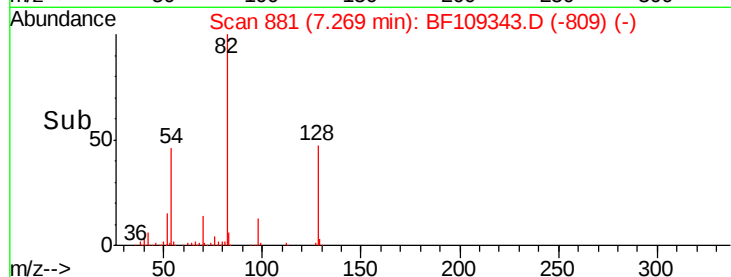
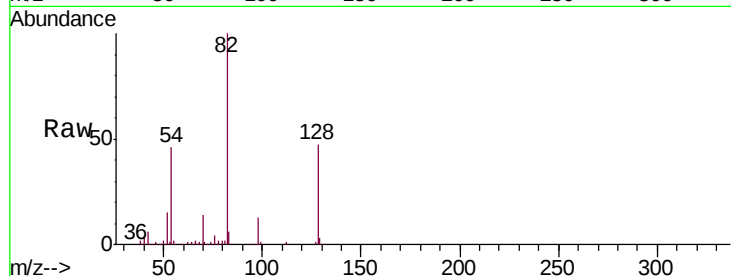




#19
n-Nitroso-di-n-propylamine
Concen: 12.037 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109343.D
Acq: 26 Sep 2018 18:11

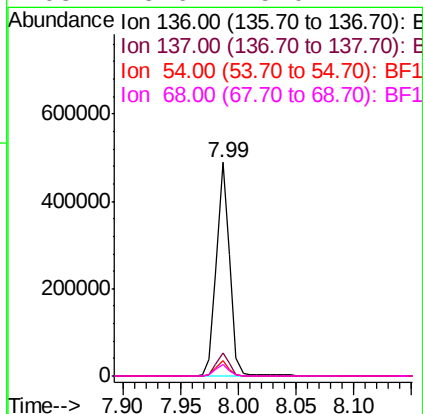
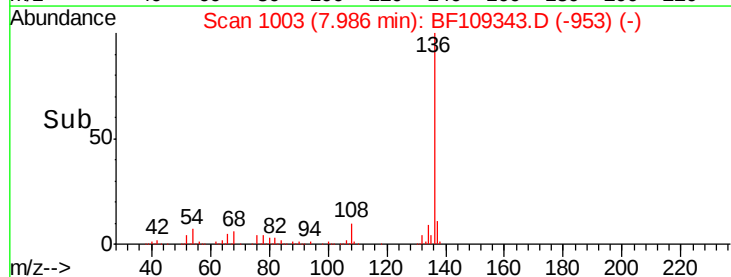
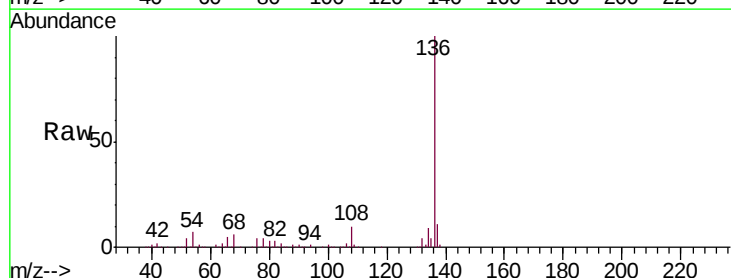
Instrument :
BNA_F
ClientSampleId :
CS-RBR-200028

Tgt Ion: 70 Resp: 62192
Ion Ratio Lower Upper
70 100
42 45.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109343.D
Acq: 26 Sep 2018 18:11

Tgt Ion: 136 Resp: 391199
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.2 6.6 9.8
68 5.6 5.0 7.4

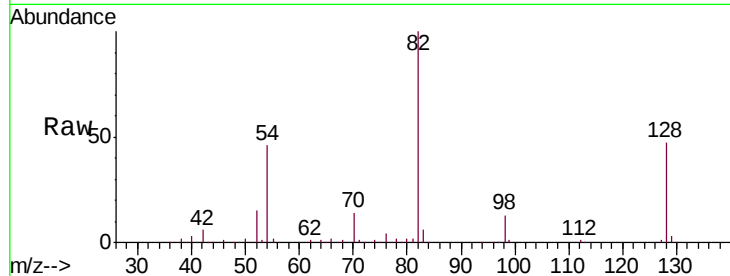




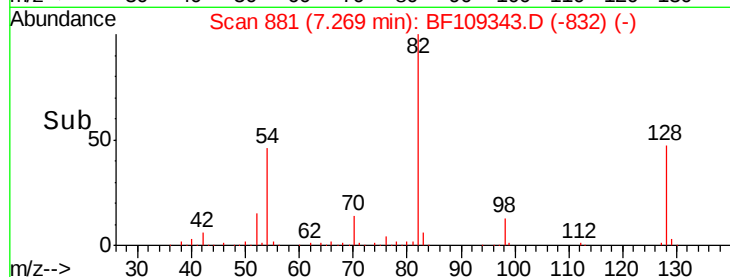
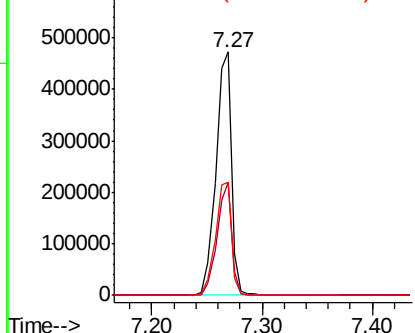
#23
 Nitrobenzene-d5
 Concen: 69.395 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109343.D
 Acq: 26 Sep 2018 18:11

Instrument :
 BNA_F
 ClientSampleId :
 CS-RBR-200028

Tgt Ion: 82 Resp: 459878
 Ion Ratio Lower Upper
 82 100
 128 46.5 36.1 54.1
 54 46.5 41.4 62.2

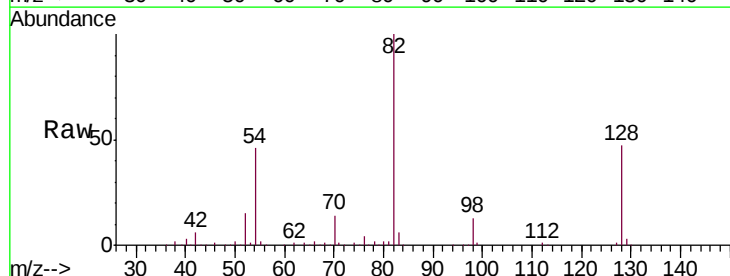


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

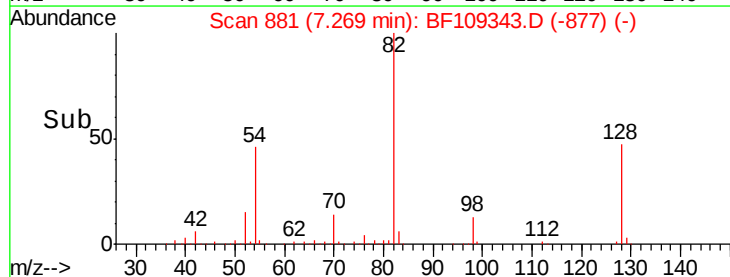
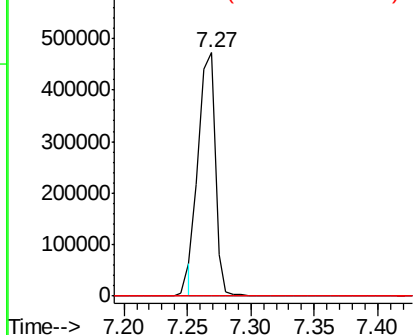


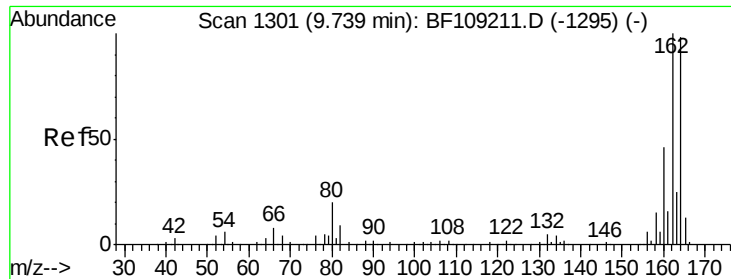
#25
 Isophorone
 Concen: 36.264 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.28 min
 Lab File: BF109343.D
 Acq: 26 Sep 2018 18:11

Tgt Ion: 82 Resp: 432755
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200028

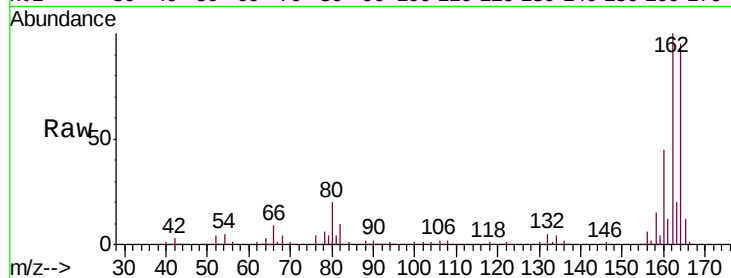
Tgt Ion:164 Resp: 187549

Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

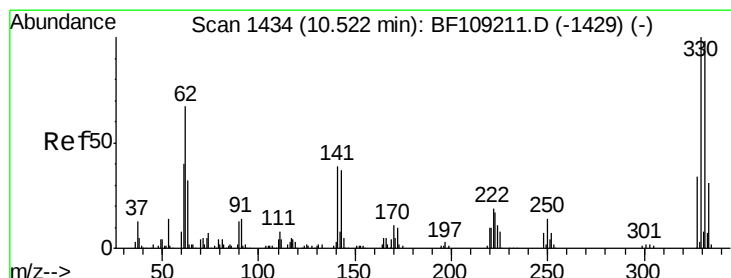
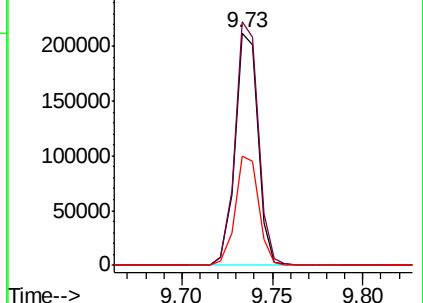
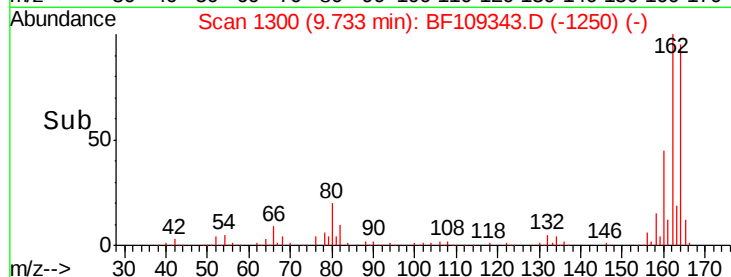
160 46.7 38.3 57.5



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: 103.747 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

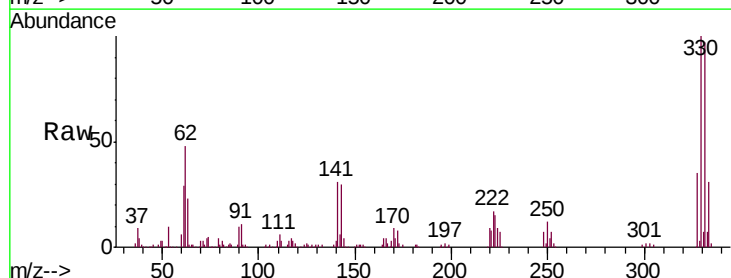
Tgt Ion:330 Resp: 191812

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

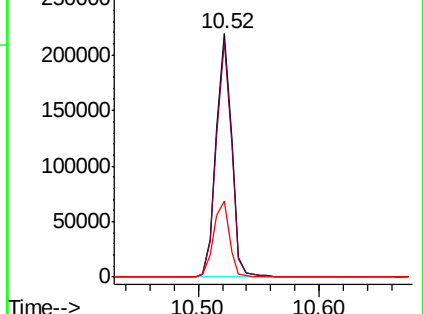
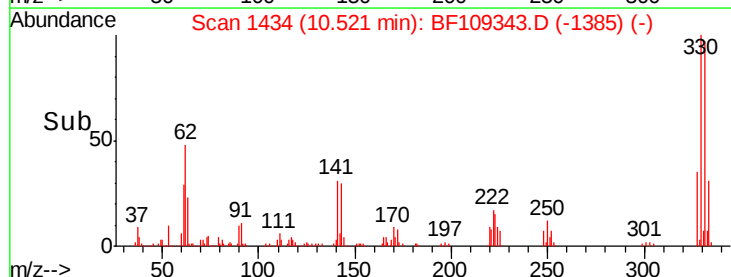
141 32.5 29.9 44.9



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

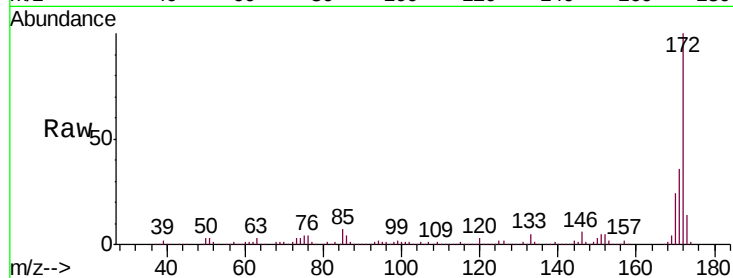




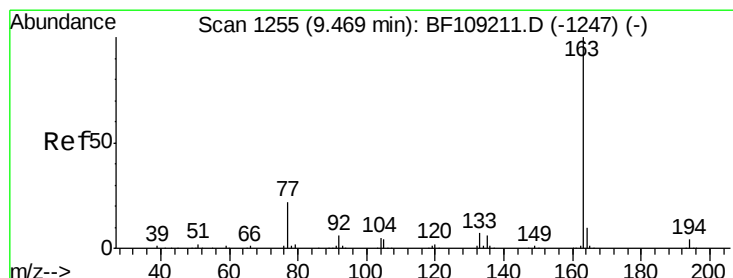
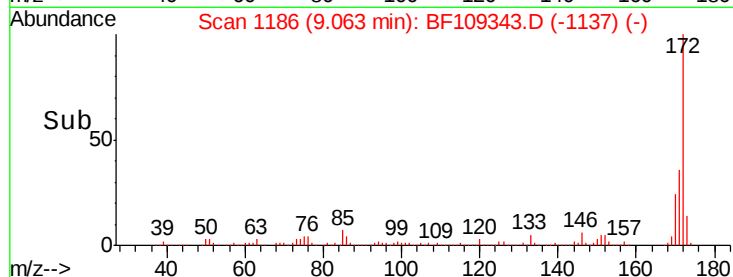
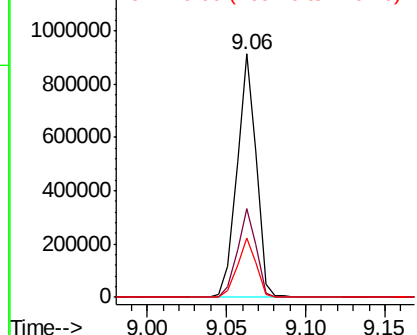
#44
2-Fluorobiphenyl
Concen: 61.611 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109343.D
Acq: 26 Sep 2018 18:11

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200028

Tgt Ion:172 Resp: 766158
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.1 19.6 29.4

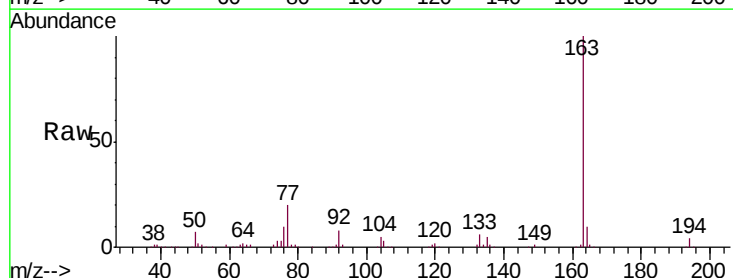


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

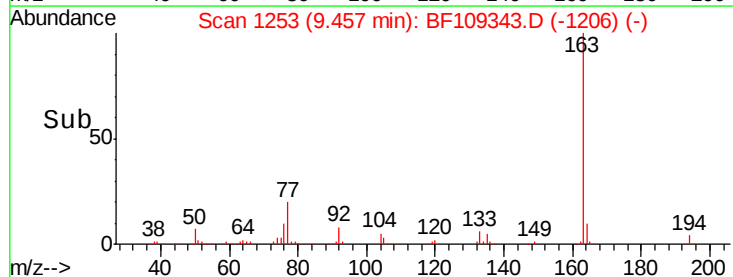
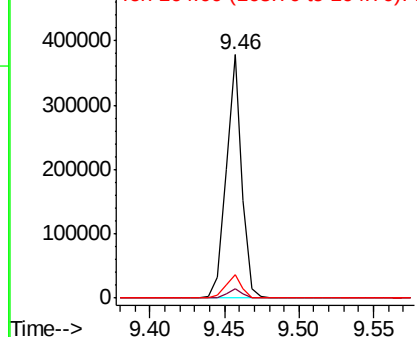


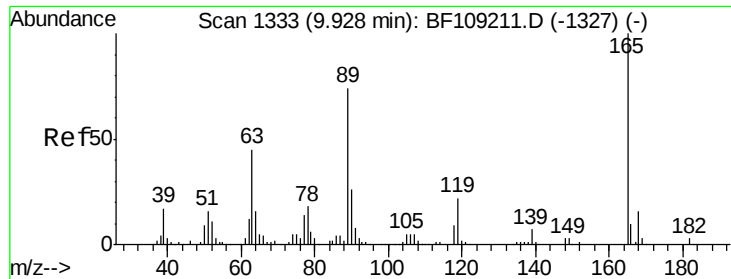
#49
Dimethylphthalate
Concen: 20.372 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109343.D
Acq: 26 Sep 2018 18:11

Tgt Ion:163 Resp: 277902
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.5 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

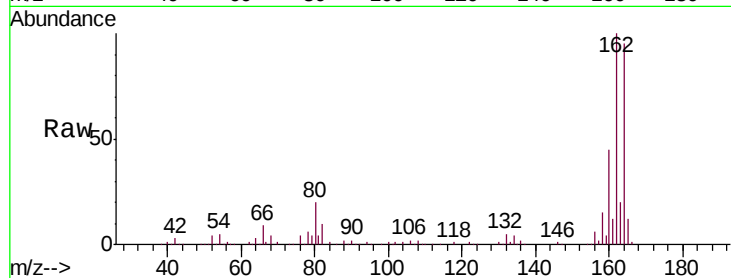




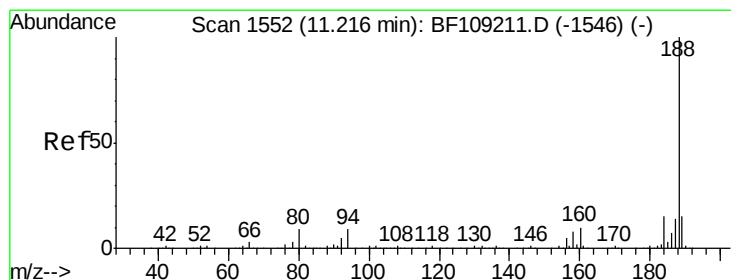
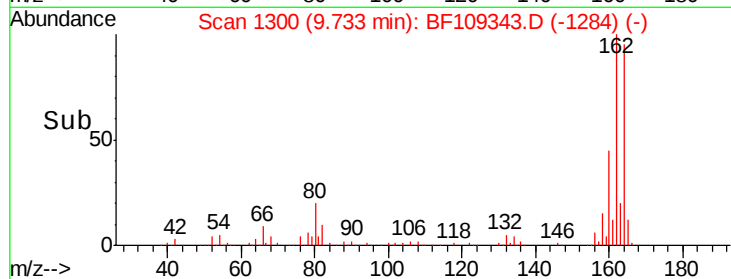
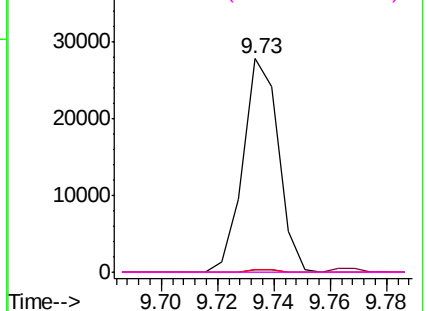
#56
 2,4-Dinitrotoluene
 Concen: 7.065 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109343.D
 Acq: 26 Sep 2018 18:11

Instrument :
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Tgt Ion:	165	Resp:	24150
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

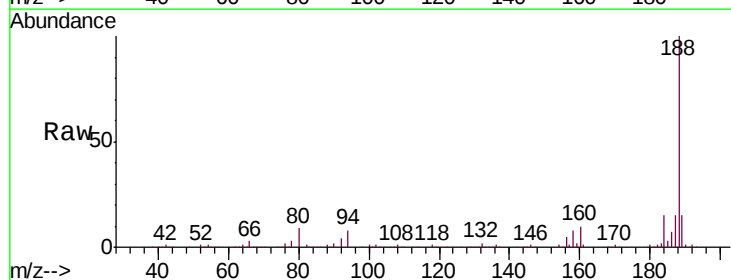


Abundance Ion 165.00 (164.70 to 165.70): E

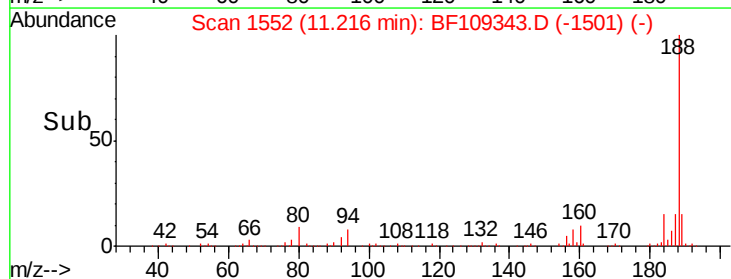
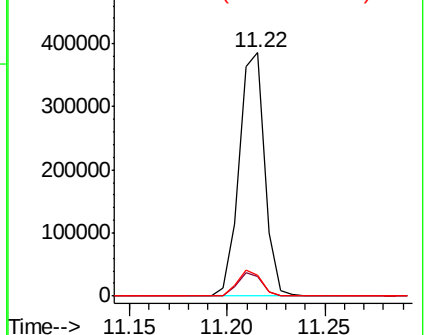


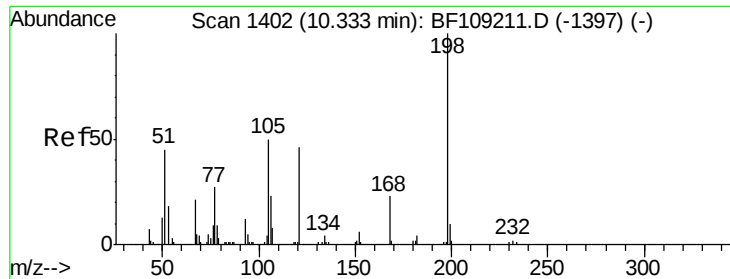
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF109343.D
 Acq: 26 Sep 2018 18:11

Tgt Ion:	188	Resp:	349773
Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.7	9.2	13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

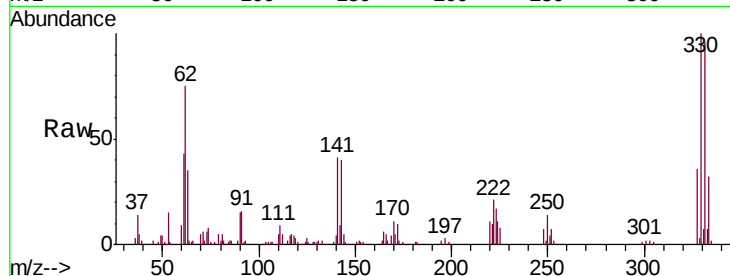




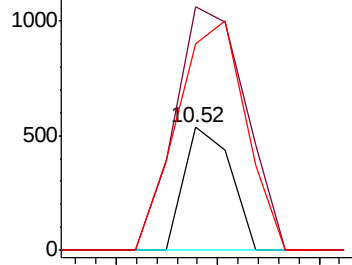
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.731 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109343.D
 Acq: 26 Sep 2018 18:11

Instrument :
 BNA_F
 ClientSampleId :
 CS-RBR-200028

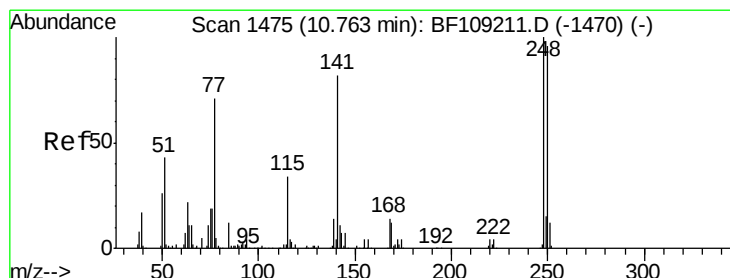
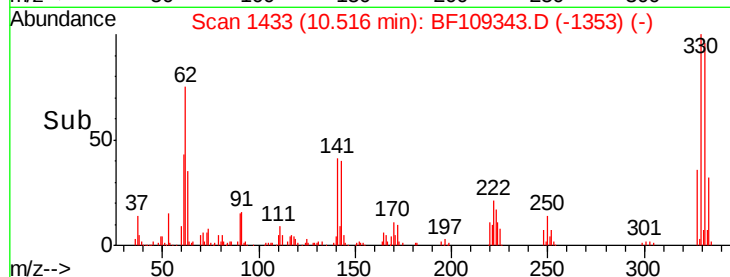
Tgt Ion:198 Resp: 343
 Ion Ratio Lower Upper
 198 100
 51 198.1 37.7 77.7#
 105 168.0 36.3 76.3#



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

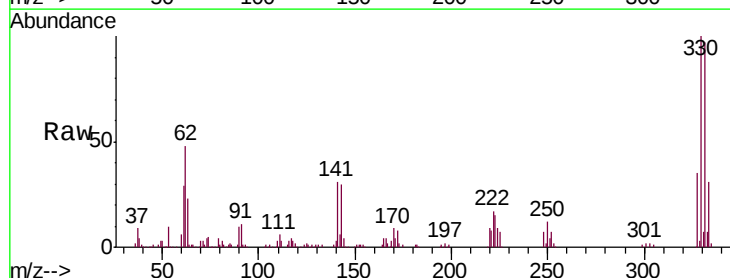


Time-->

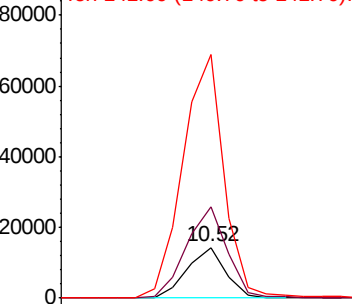


#66
 4-Bromophenyl-phenylether
 Concen: 3.092 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109343.D
 Acq: 26 Sep 2018 18:11

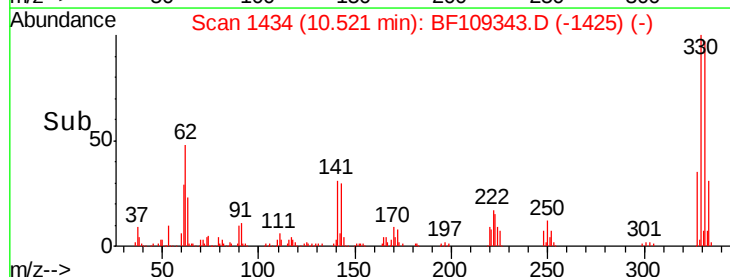
Tgt Ion:248 Resp: 12011
 Ion Ratio Lower Upper
 248 100
 250 182.1 76.9 115.3#
 141 483.3 74.4 111.6#

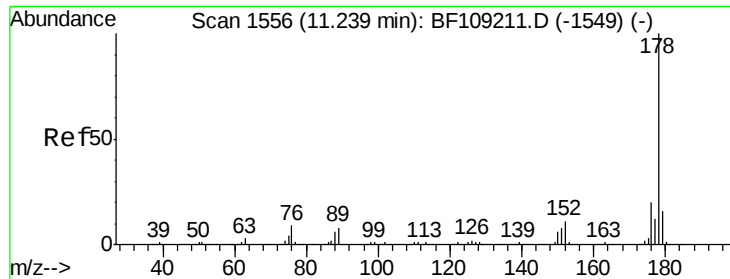


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->





#70

Phenanthrene

Concen: 6.281 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200028

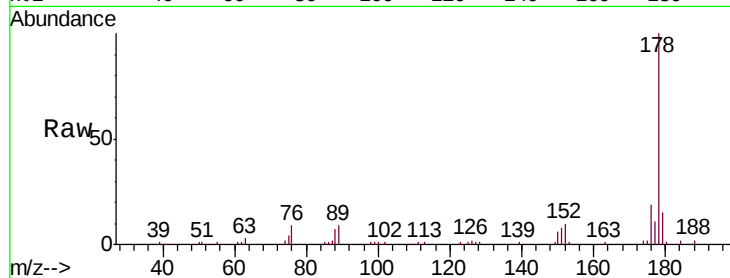
Tgt Ion:178 Resp: 109691

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

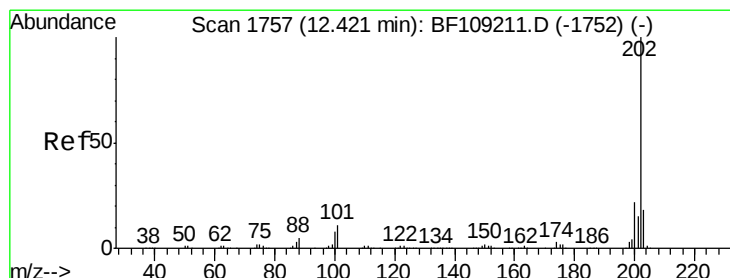
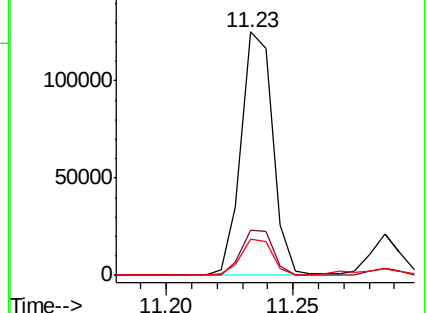
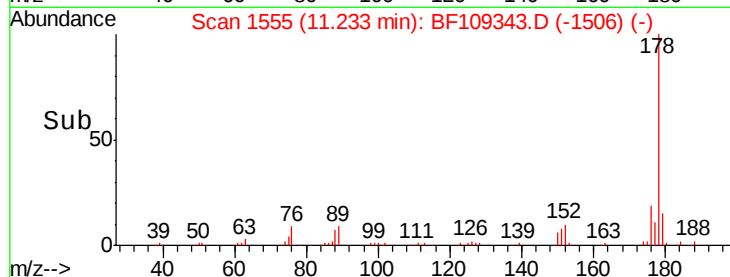
179 15.1 13.0 19.6



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: 9.040 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

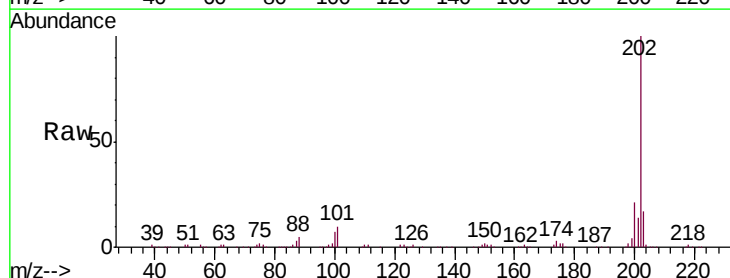
Tgt Ion:202 Resp: 168715

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

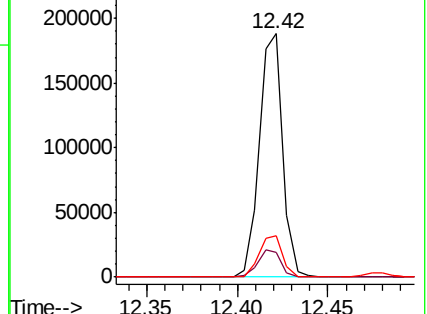
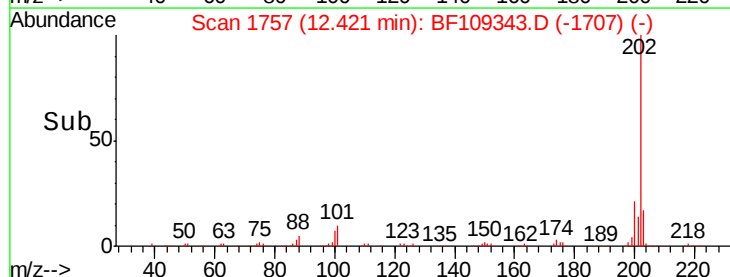
203 17.1 0.0 38.1

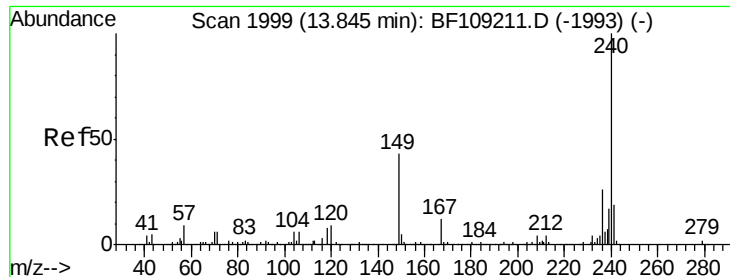


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF109343.D

Acq: 26 Sep 2018 18:11

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200028

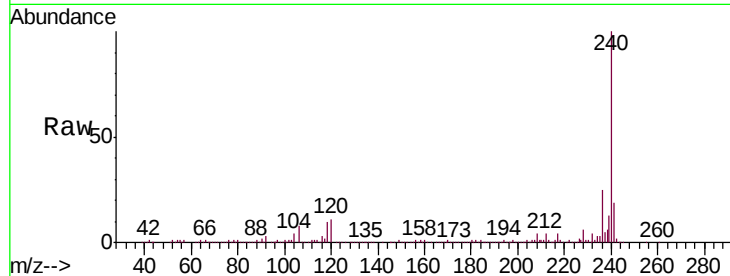
Tgt Ion:240 Resp: 256620

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

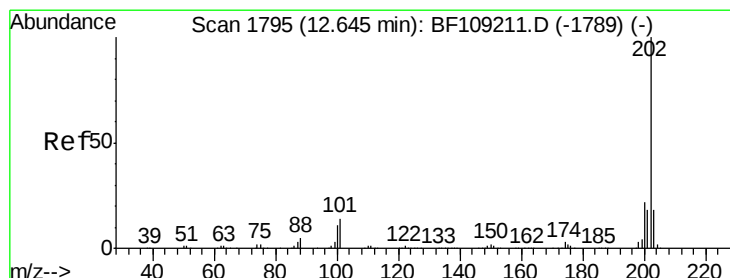
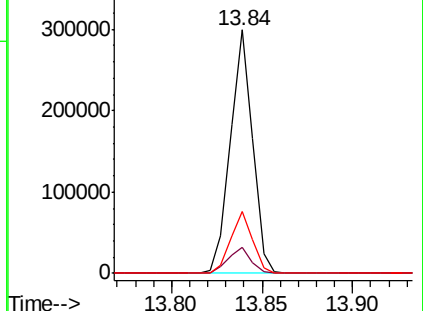
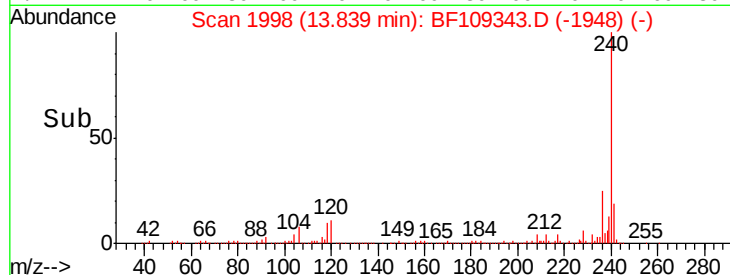
236 25.4 20.7 31.1



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: 7.667 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

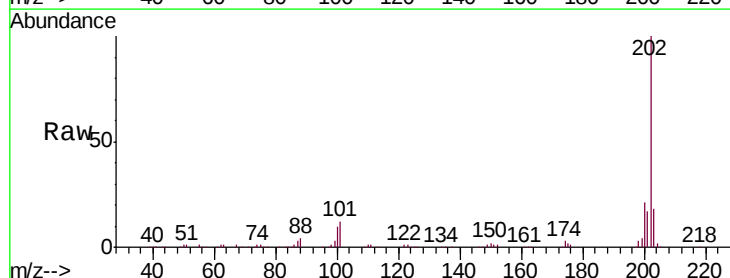
Tgt Ion:202 Resp: 141002

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

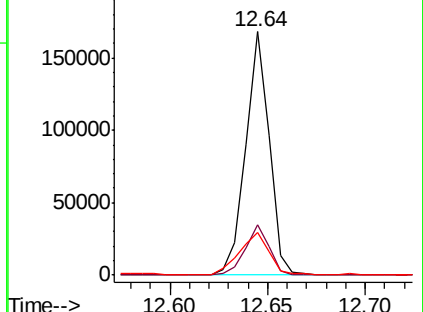
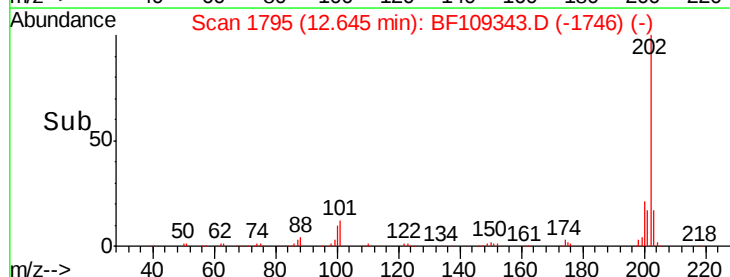
203 17.5 14.3 21.5

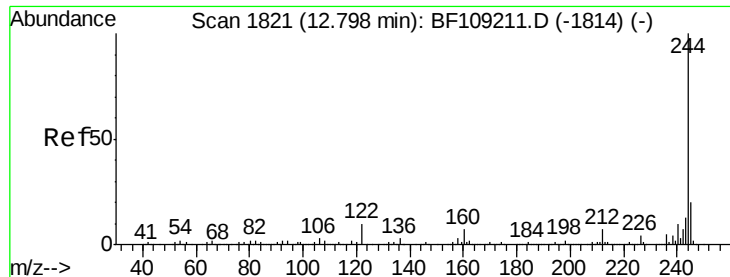


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

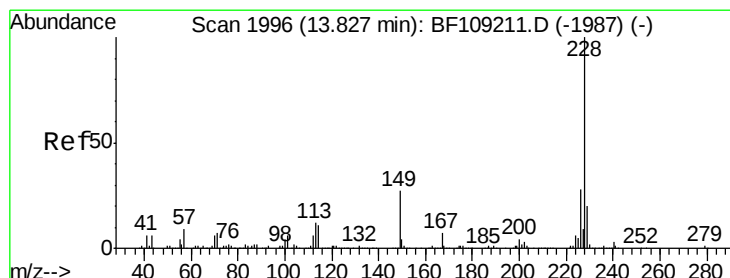
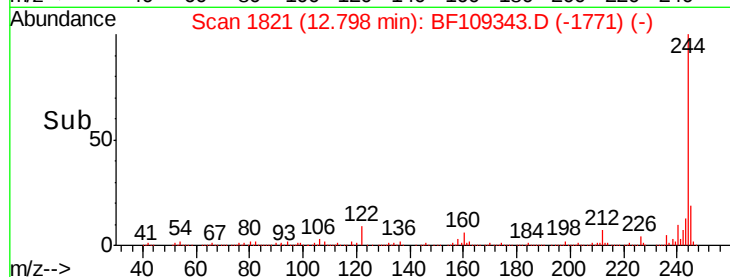
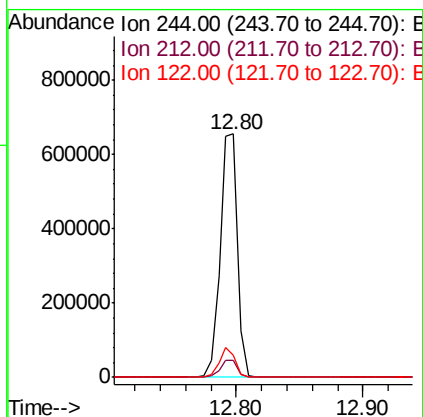
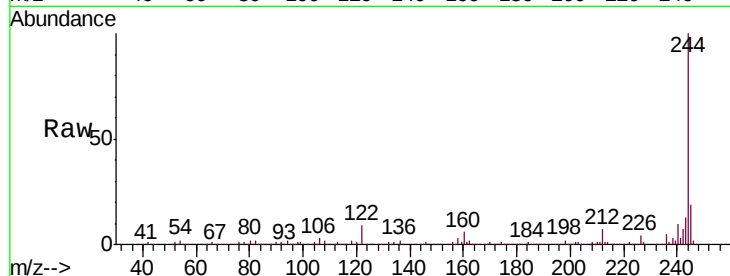




#78
 Terphenyl-d14
 Concen: 59.640 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109343.D
 Acq: 26 Sep 2018 18:11

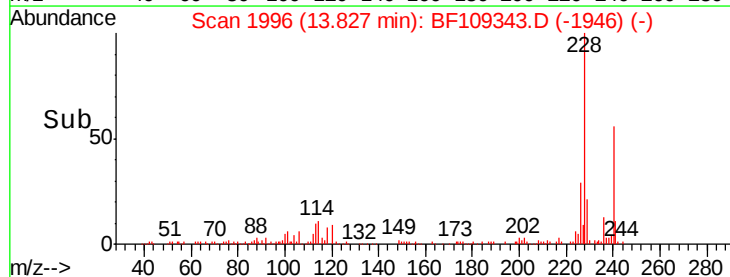
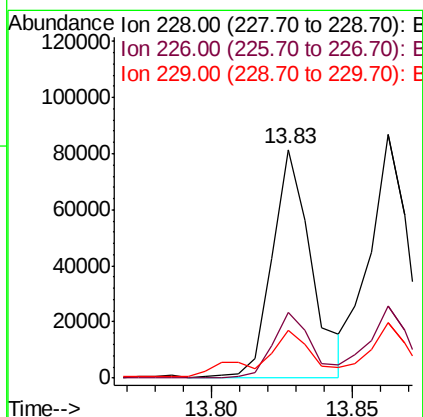
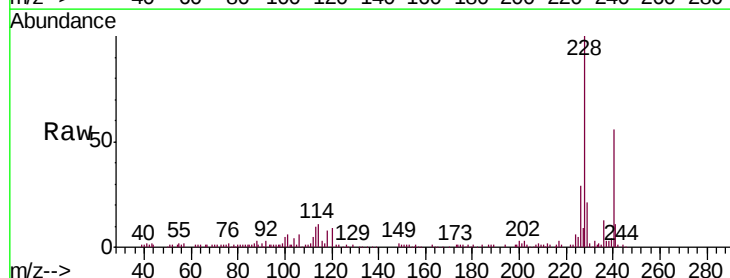
Instrument :
 BNA_F
 ClientSampleId :
 CS-RBR-200028

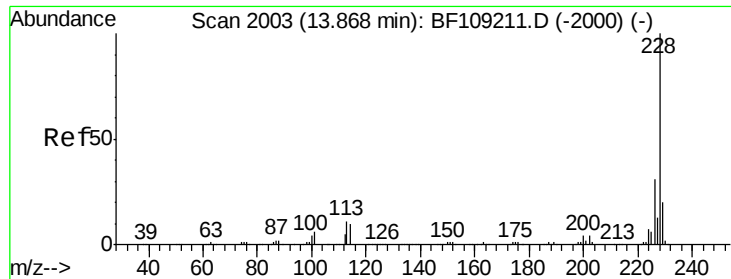
Tgt Ion: 244 Resp: 623625
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 9.3 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.072 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109343.D
 Acq: 26 Sep 2018 18:11

Tgt Ion: 228 Resp: 78398
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 33.8
 229 20.7 15.8 23.6





#82

Chrysene

Concen: 5.320 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200028

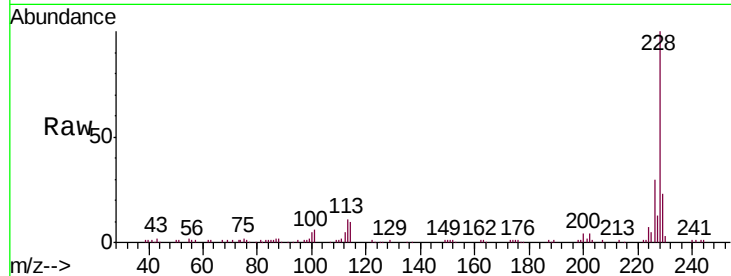
Tgt Ion:228 Resp: 81500

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

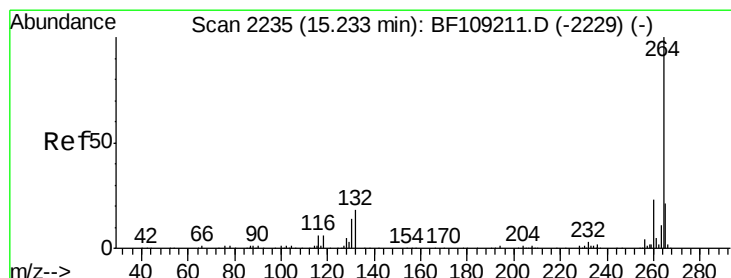
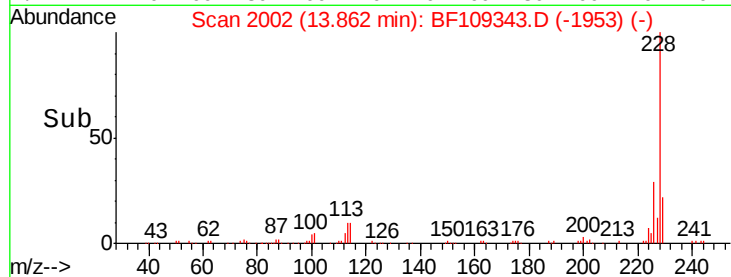
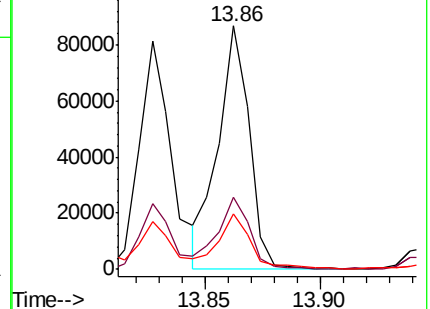
229 22.7 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

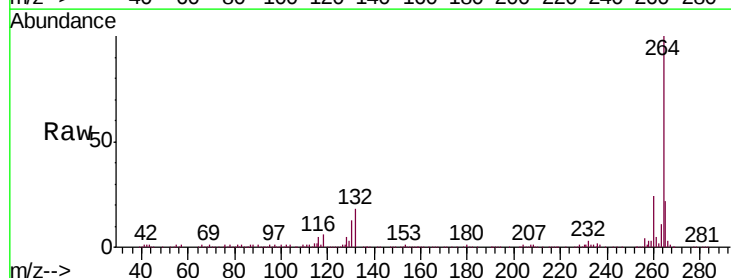
Tgt Ion:264 Resp: 282763

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

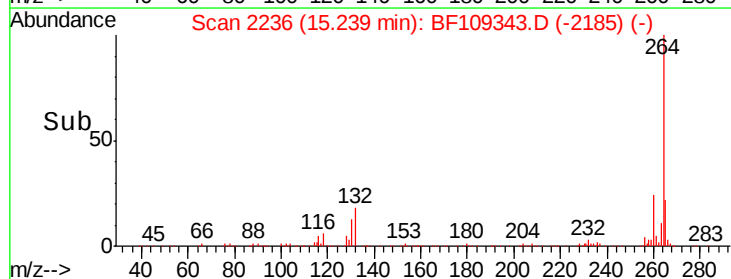
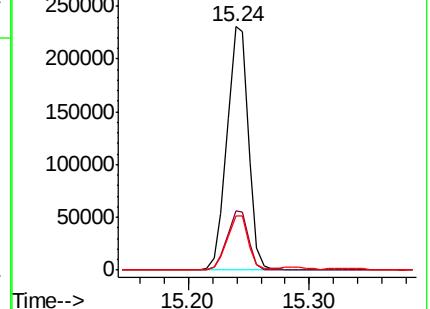
265 22.3 17.5 26.3

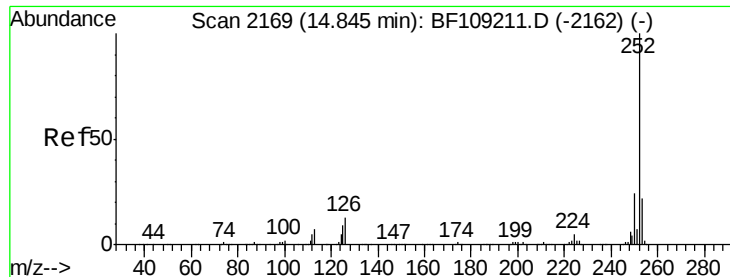


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.163 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

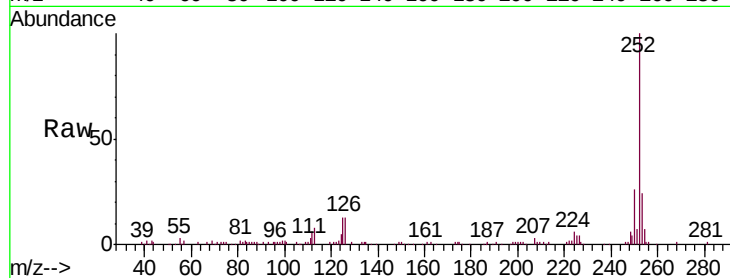
Instrument :

BNA_F

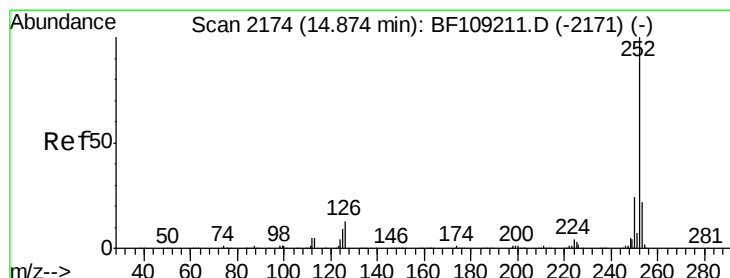
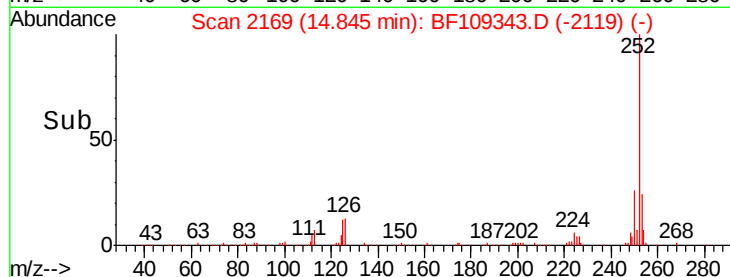
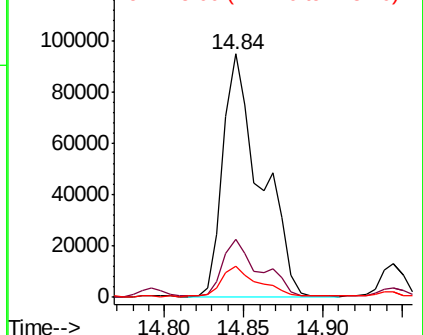
ClientSampleId :

CS-RBR-200028

Tgt Ion:	252	Resp:	157905
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	12.6	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: 10.710 ng

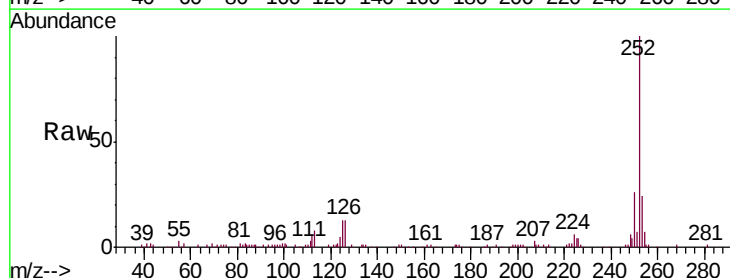
RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

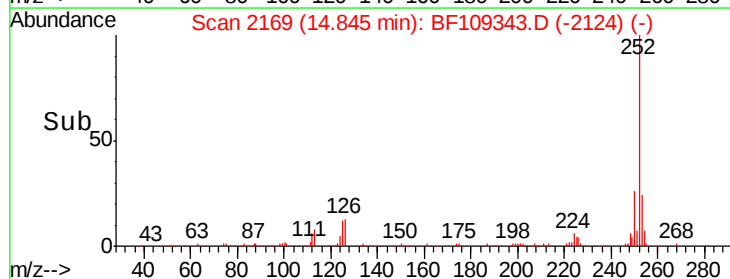
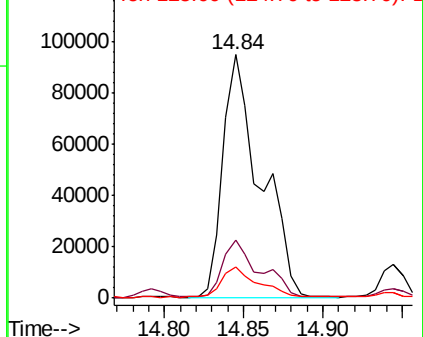
Lab File: BF109343.D

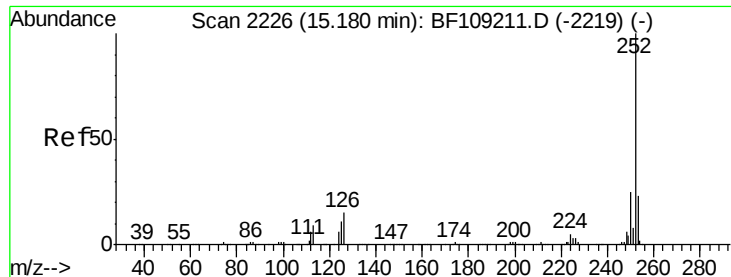
Acq: 26 Sep 2018 18:11

Tgt Ion:	252	Resp:	157905
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	12.6	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: 5.214 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200028

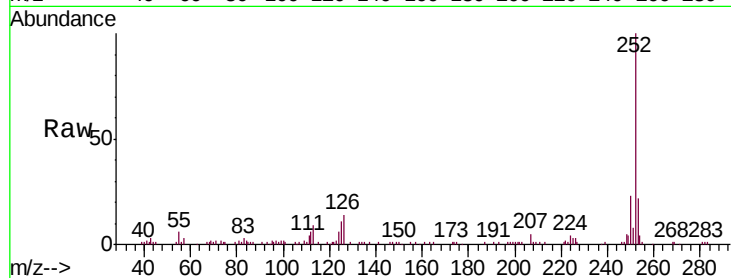
Tgt Ion:252 Resp: 73006

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

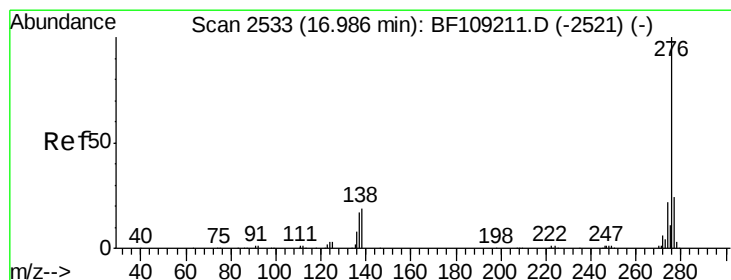
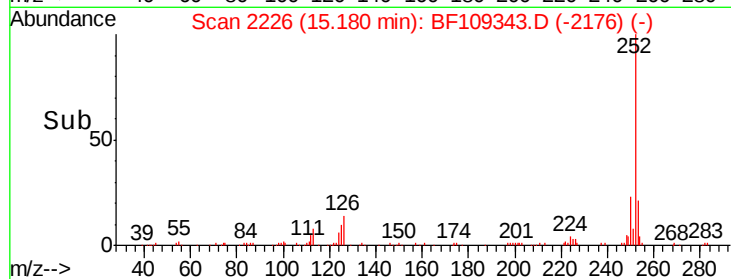
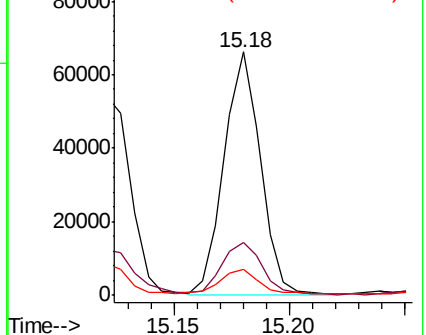
125 10.9 9.8 14.6



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: 3.393 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF109343.D

Acq: 26 Sep 2018 18:11

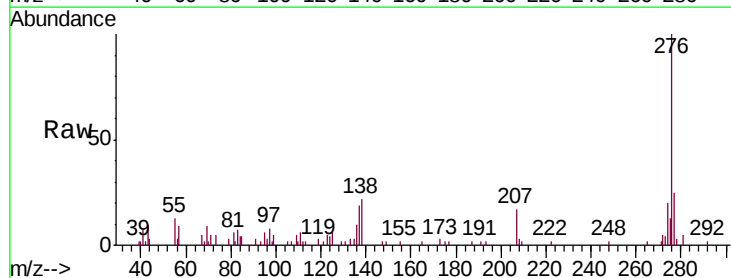
Tgt Ion:276 Resp: 38302

Ion Ratio Lower Upper

276 100

277 24.8 17.9 26.9

138 21.8 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

