

Data File : BF109345.D
Acq On : 26 Sep 2018 19:03
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S1RE

Quant Time: Sep 27 05:39:03 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	127887	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	508649	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	237353	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	381189	20.00	ng	0.00
75) Chrysene-d12	13.84	240	324847	20.00	ng	0.00
86) Perylene-d12	15.24	264	319222	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	226851	29.22	ng	0.00
7) Phenol-d6	6.34	99	299202	30.20	ng	-0.02
23) Nitrobenzene-d5	7.26	82	178837	20.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	65517	28.00	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	260971	16.58	ng	-0.01
78) Terphenyl-d14	12.79	244	179085	13.53	ng	-0.01

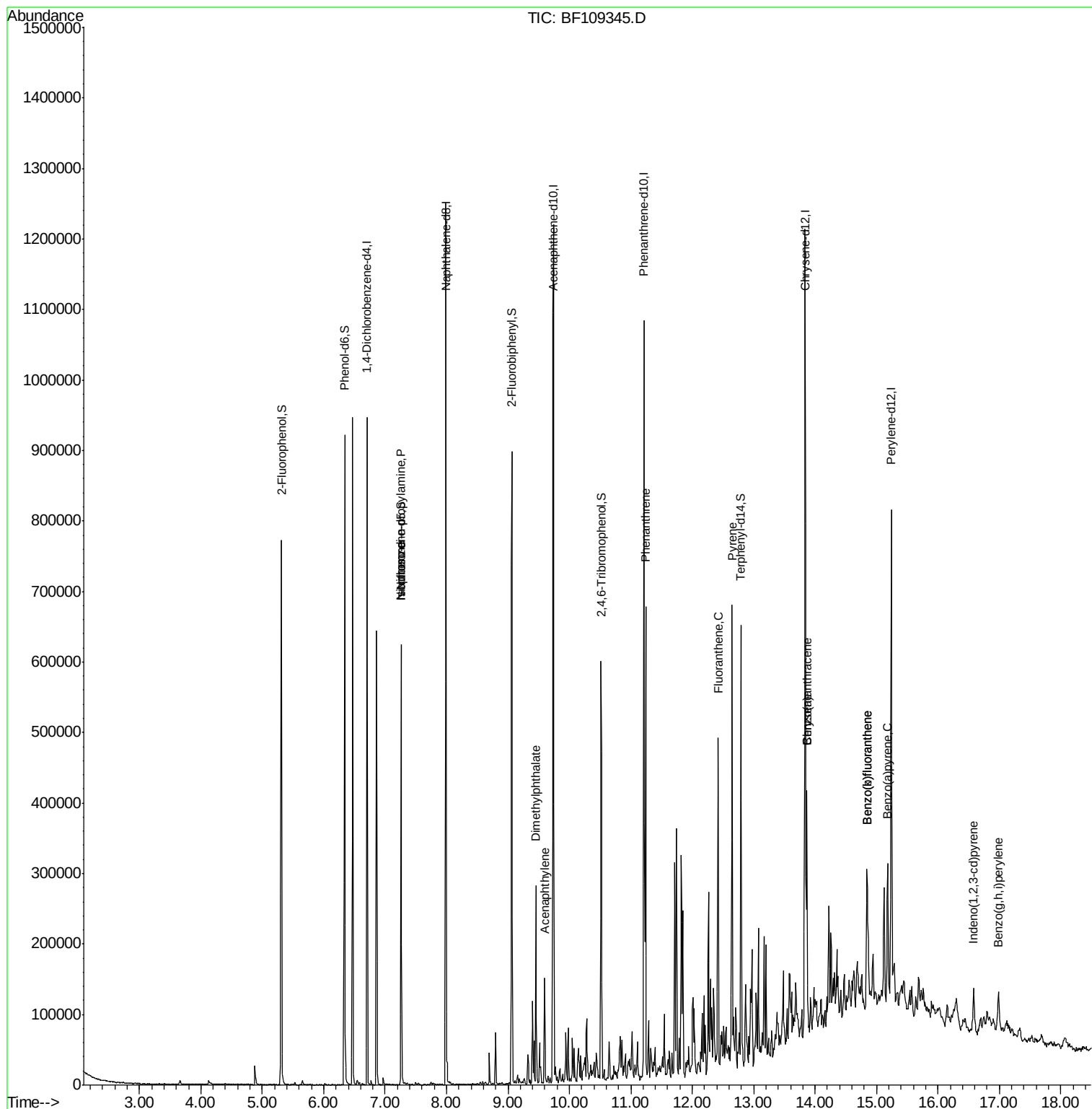
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	23075	3.554	ng	# 80
25) Isophorone	7.26	82	163207	10.519	ng	# 64
48) Acenaphthylene	9.60	152	53031	2.275	ng	96
49) Dimethylphthalate	9.46	163	92183	5.340	ng	# 99
70) Phenanthrene	11.24	178	247390	12.998	ng	97
74) Fluoranthene	12.42	202	173697	8.540	ng	94
77) Pyrene	12.65	202	251431	10.800	ng	99
80) Benzo(a)anthracene	13.86	228	124660	6.371	ng	96
82) Chrysene	13.86	228	124660	6.428	ng	96
85) Indeno(1,2,3-cd)pyrene	16.58	276	34405	2.189	ng	96
87) Benzo(b)fluoranthene	14.84	252	128859	7.346	ng	98
88) Benzo(k)fluoranthene	14.84	252	128859	7.742	ng	98
89) Benzo(a)pyrene	15.18	252	80687	5.105	ng	97
91) Benzo(g,h,i)perylene	16.99	276	38420	3.015	ng	# 92

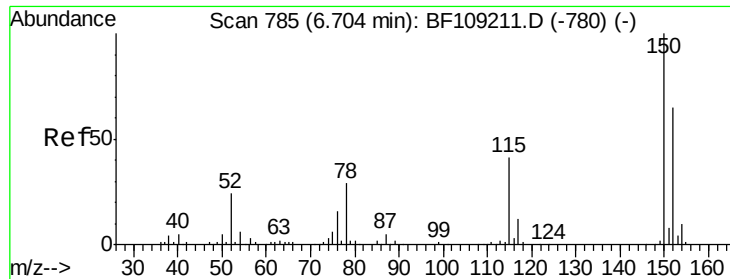
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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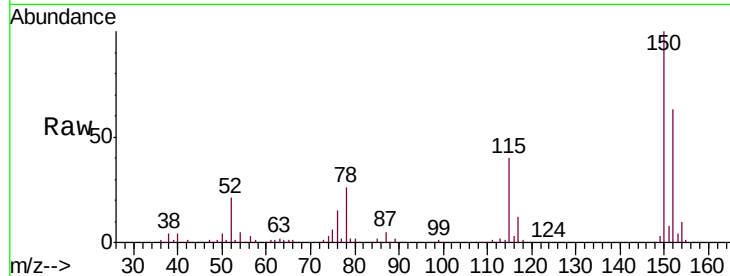


#1

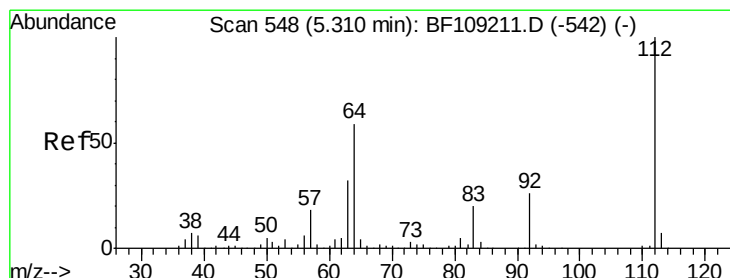
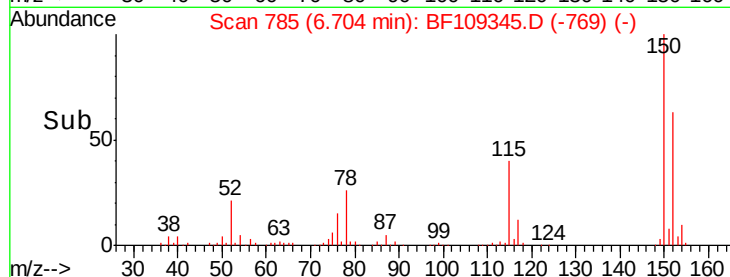
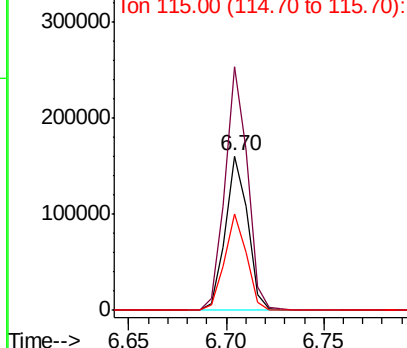
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109345.D
Acq: 26 Sep 2018 19:03

Instrument :
BNA_F
ClientSampleId :
S1RE

Tgt Ion:152 Resp: 127887
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 62.6 50.1 75.1



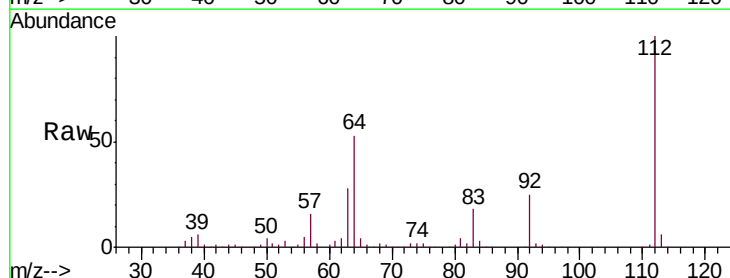
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



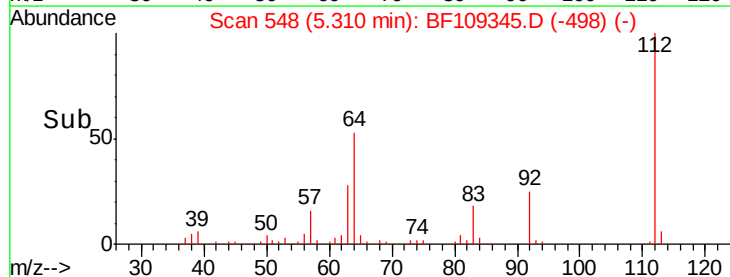
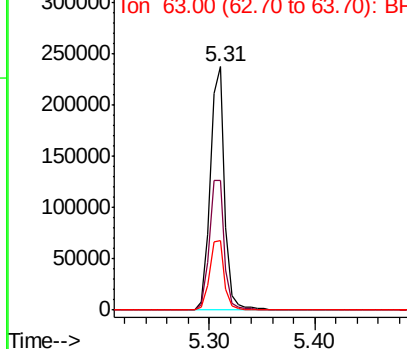
#5

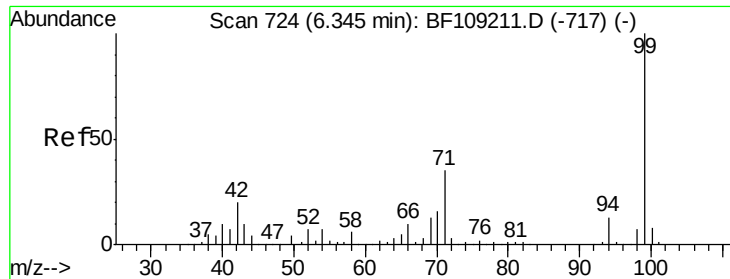
2-Fluorophenol
Concen: 29.217 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109345.D
Acq: 26 Sep 2018 19:03

Tgt Ion:112 Resp: 226851
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 28.4 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: 30.199 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109345.D

Acq: 26 Sep 2018 19:03

Instrument :

BNA_F

ClientSampleId :

S1RE

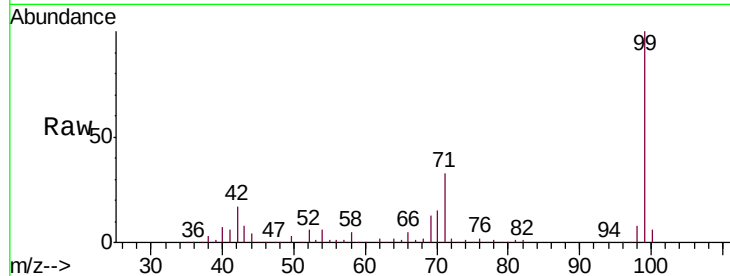
Tgt Ion: 99 Resp: 299202

Ion Ratio Lower Upper

99 100

42 17.2 14.5 21.7

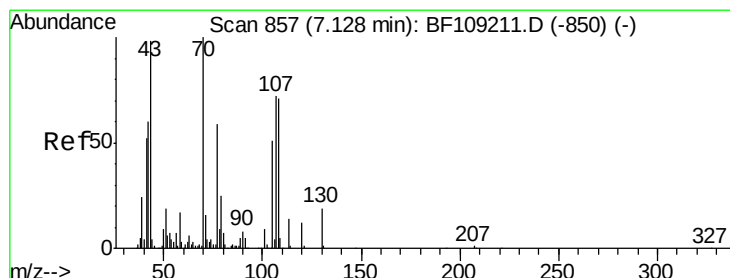
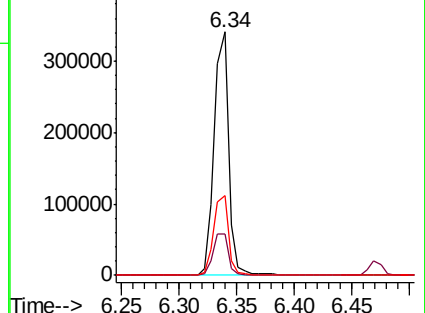
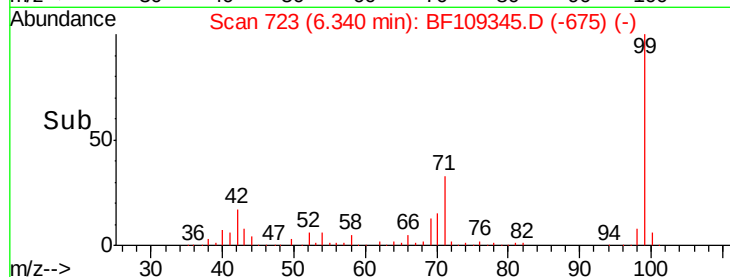
71 33.0 25.4 38.0



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: 3.554 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109345.D

Acq: 26 Sep 2018 19:03

Tgt Ion: 70 Resp: 23075

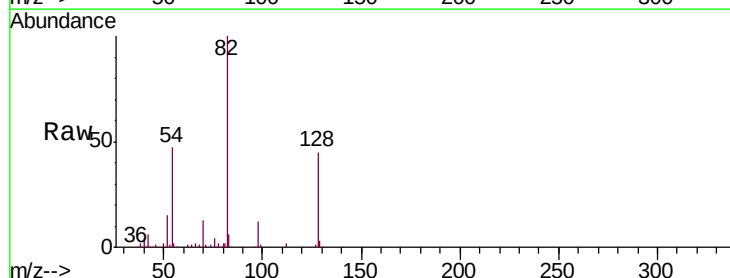
Ion Ratio Lower Upper

70 100

42 49.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

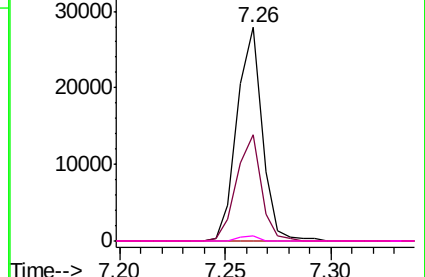
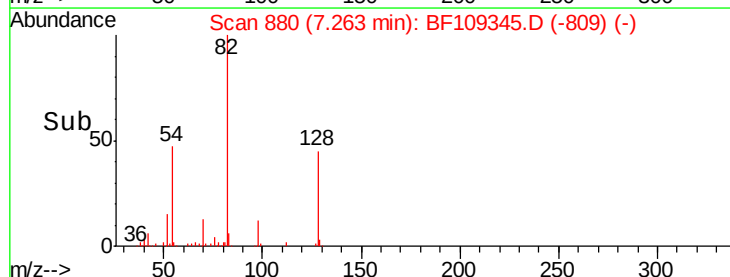


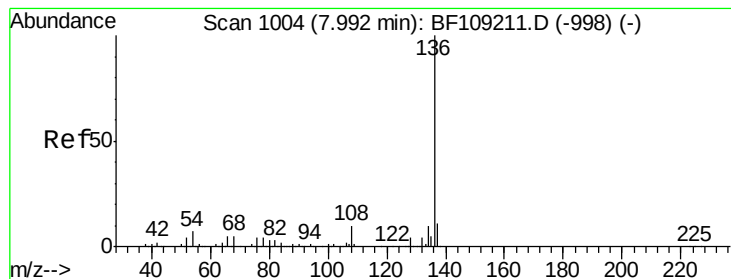
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF109345.D

Acq: 26 Sep 2018 19:03

Instrument :

BNA_F

ClientSampleId :

S1RE

Tgt Ion: 136 Resp: 508649

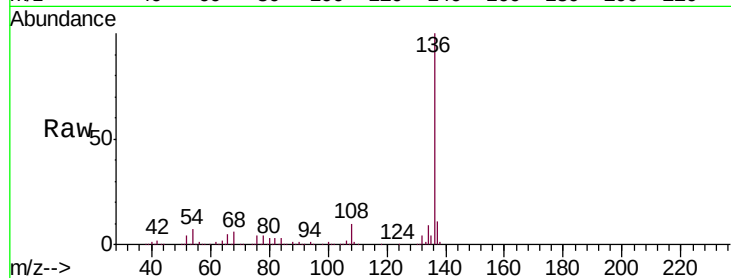
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.4 6.6 9.8

68 5.8 5.0 7.4

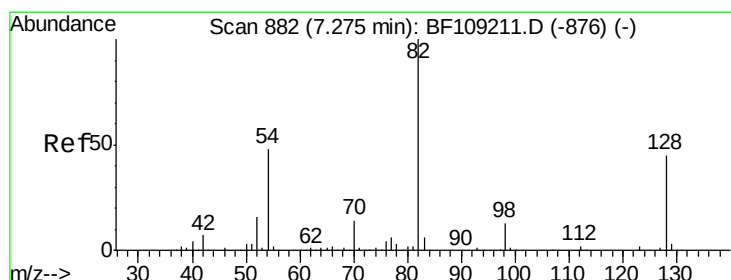
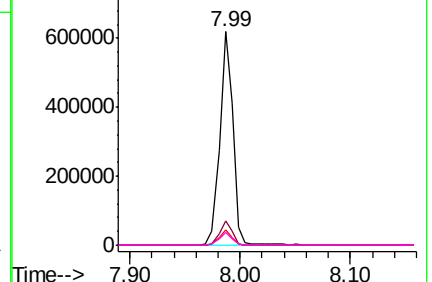
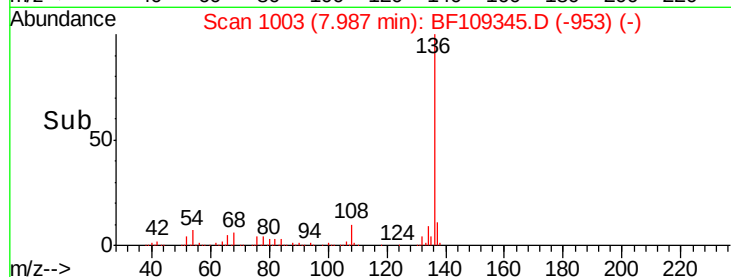


Abundance Ion 136.00 (135.70 to 136.70): E

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: 20.755 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109345.D

Acq: 26 Sep 2018 19:03

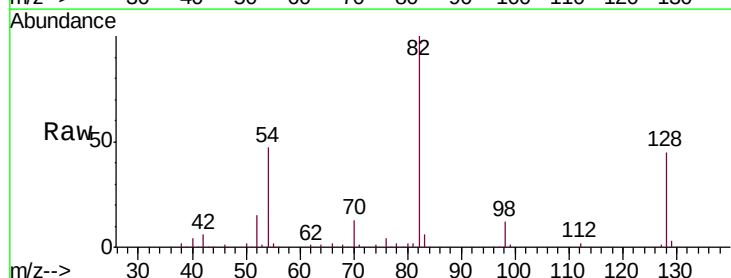
Tgt Ion: 82 Resp: 178837

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

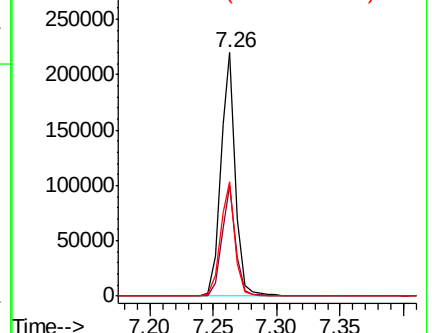
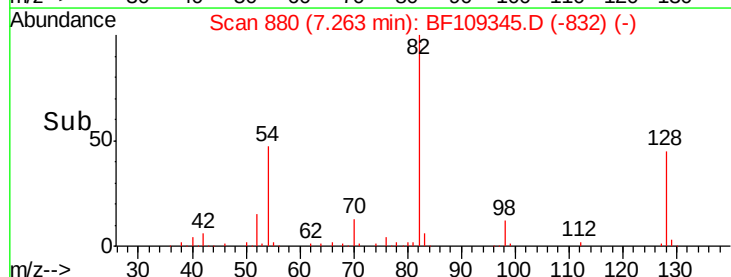
54 46.8 41.4 62.2

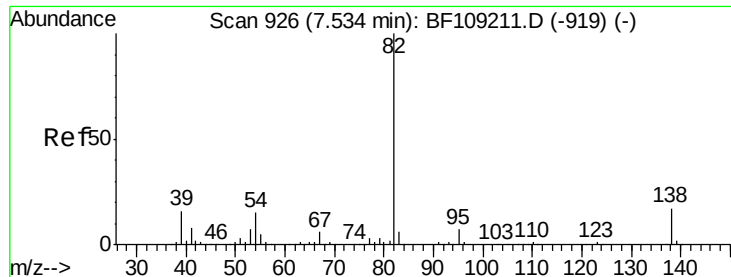


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

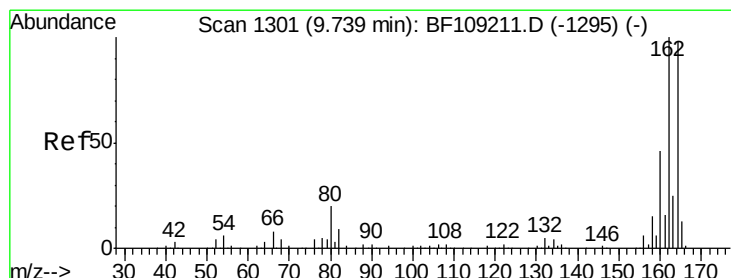
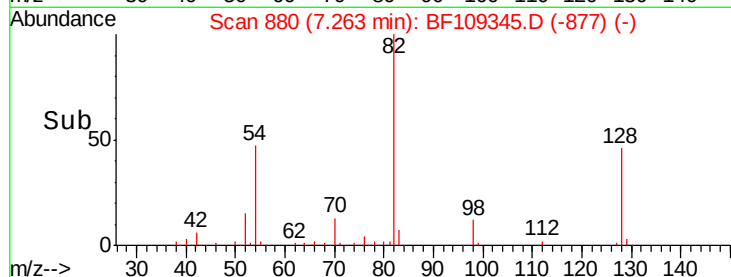
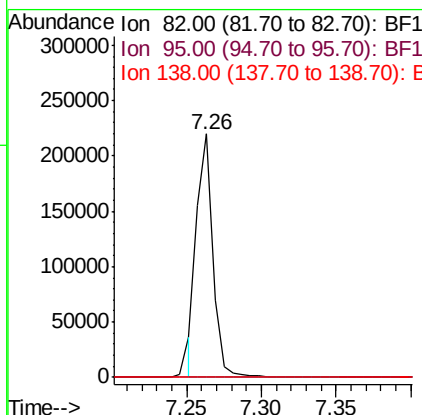
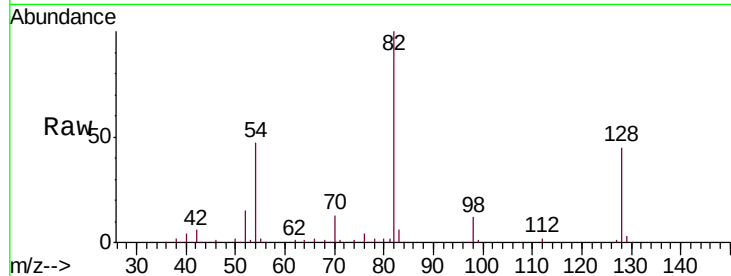




#25
Isophorone
Concen: 10.519 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109345.D
Acq: 26 Sep 2018 19:03

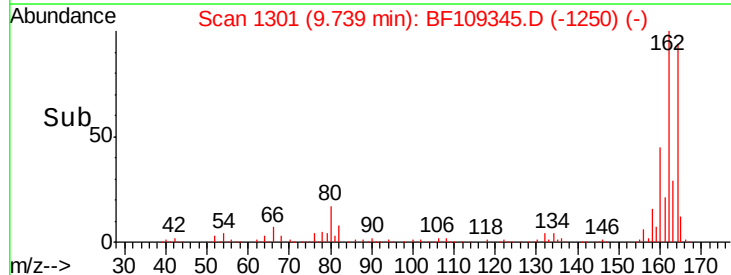
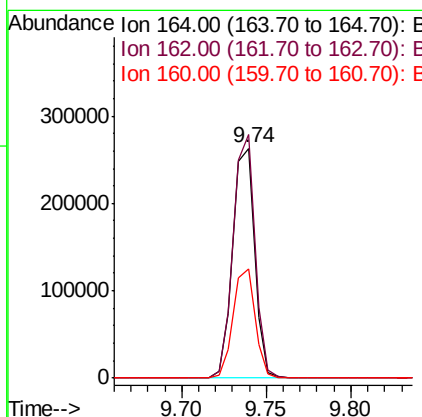
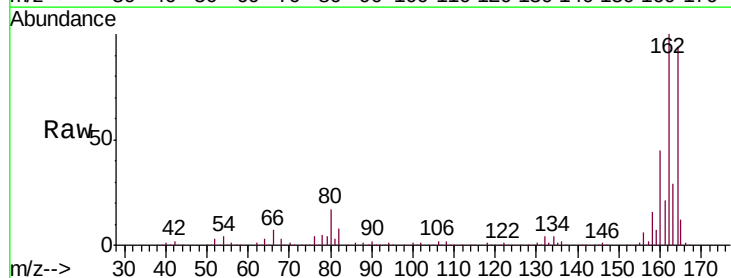
Instrument :
BNA_F
ClientSampleId :
S1RE

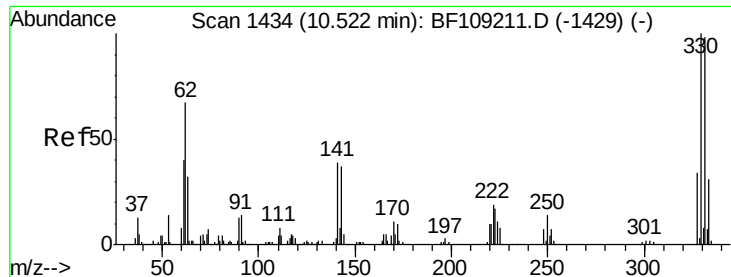
Tgt Ion: 82 Resp: 163207
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109345.D
Acq: 26 Sep 2018 19:03

Tgt Ion: 164 Resp: 237353
Ion Ratio Lower Upper
164 100
162 106.0 86.1 129.1
160 47.7 38.3 57.5

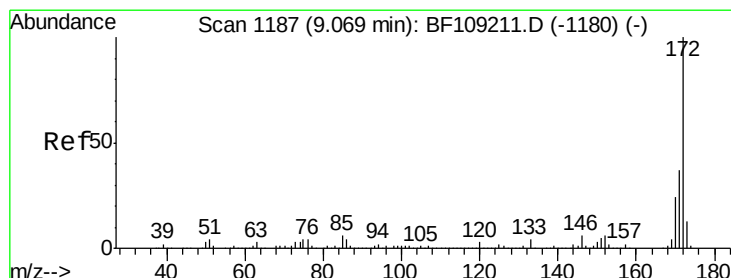
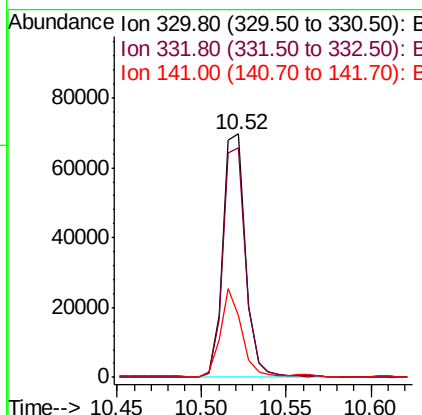
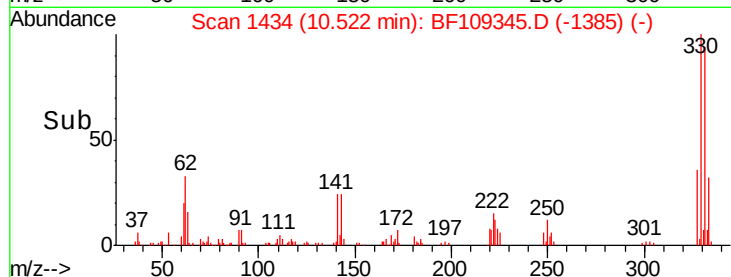
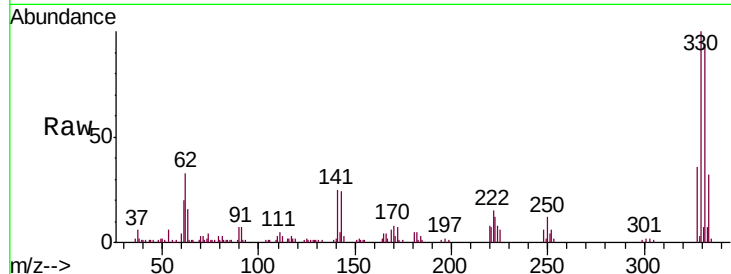




#41
 2,4,6-Tribromophenol
 Concen: 28.001 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109345.D
 Acq: 26 Sep 2018 19:03

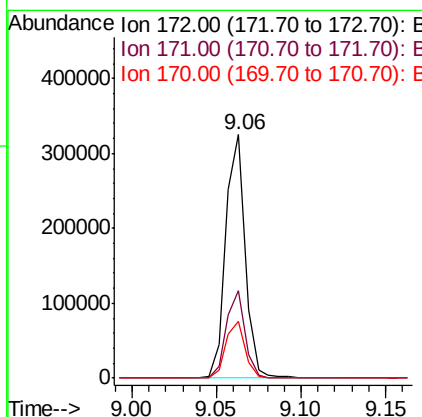
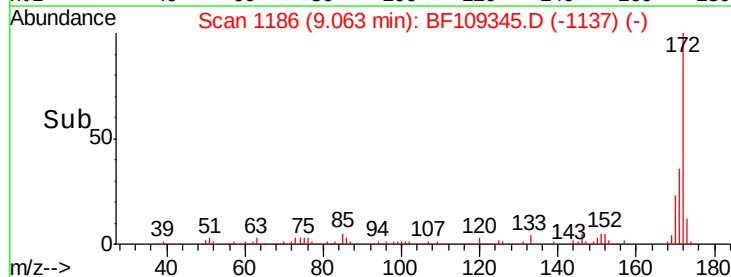
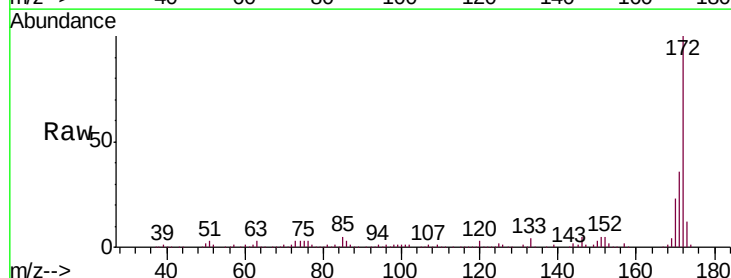
Instrument :
 BNA_F
 ClientSampleId :
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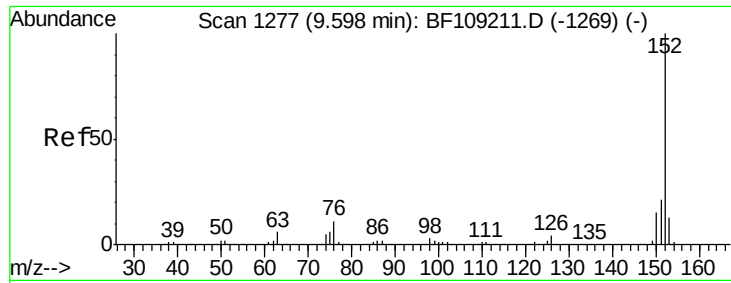
Tgt Ion:330 Resp: 65517
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 33.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 16.583 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109345.D
 Acq: 26 Sep 2018 19:03

Tgt Ion:172 Resp: 260971
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.3 19.6 29.4

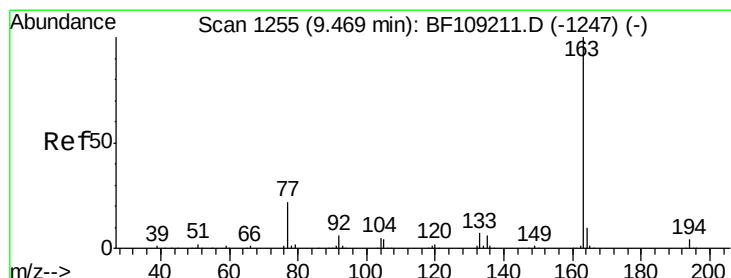
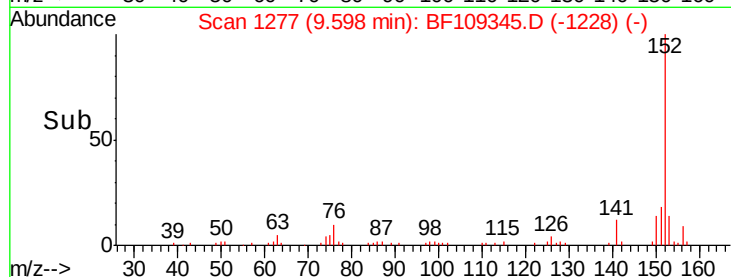
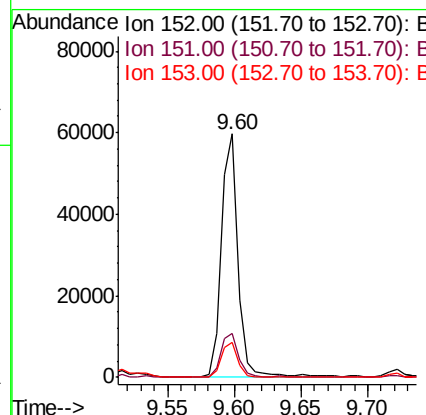
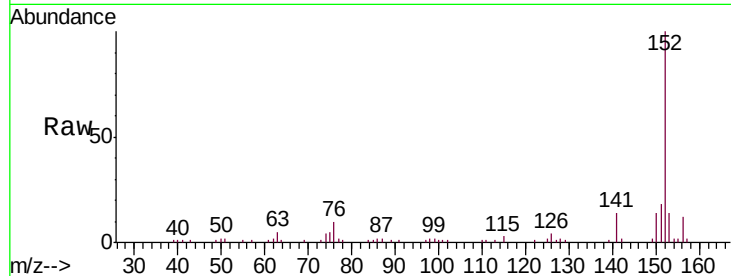




#48
 Acenaphthylene
 Concen: 2.275 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF109345.D
 Acq: 26 Sep 2018 19:03

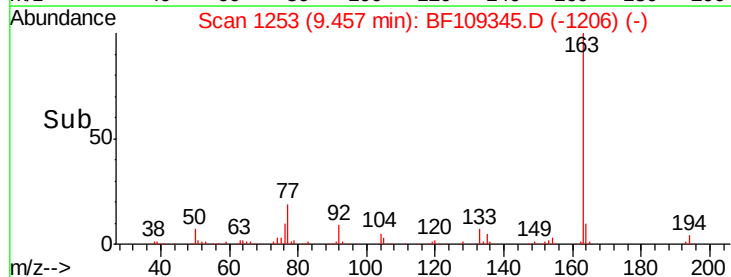
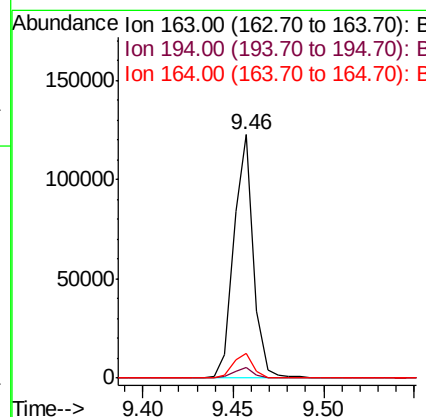
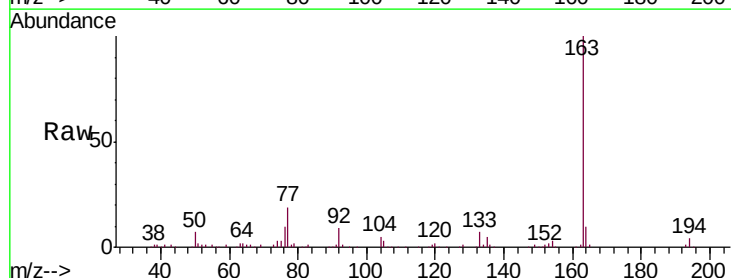
Instrument :
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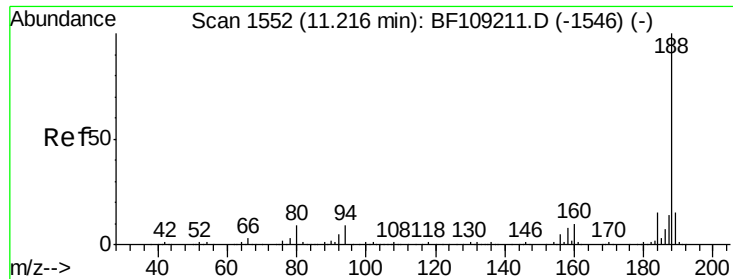
Tgt Ion:152 Resp: 53031
 Ion Ratio Lower Upper
 152 100
 151 18.3 16.3 24.5
 153 14.3 10.7 16.1



#49
 Dimethylphthalate
 Concen: 5.340 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109345.D
 Acq: 26 Sep 2018 19:03

Tgt Ion:163 Resp: 92183
 Ion Ratio Lower Upper
 163 100
 194 4.2 2.7 4.1#
 164 10.2 8.2 12.2

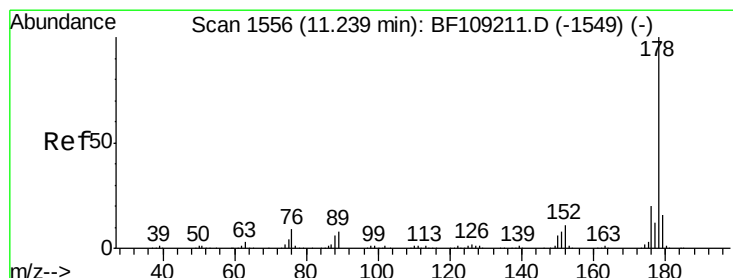
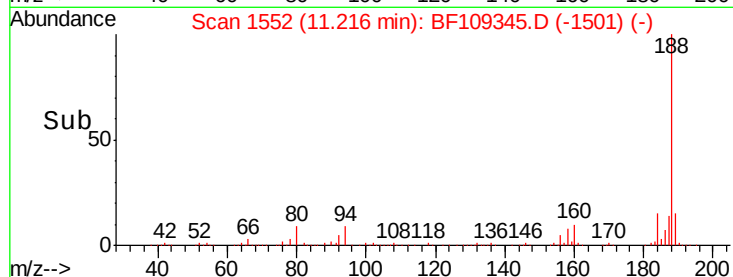
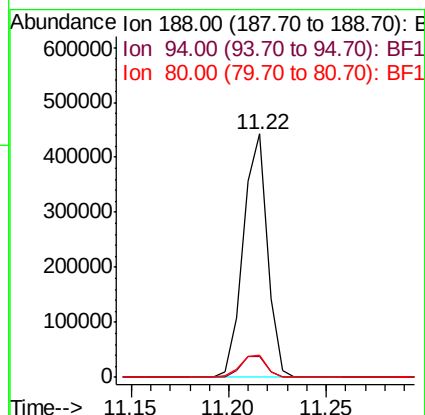
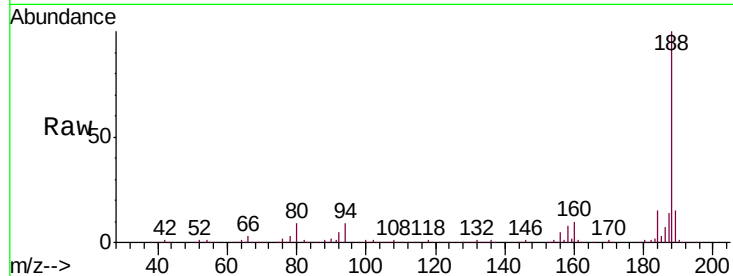




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109345.D
Acq: 26 Sep 2018 19:03

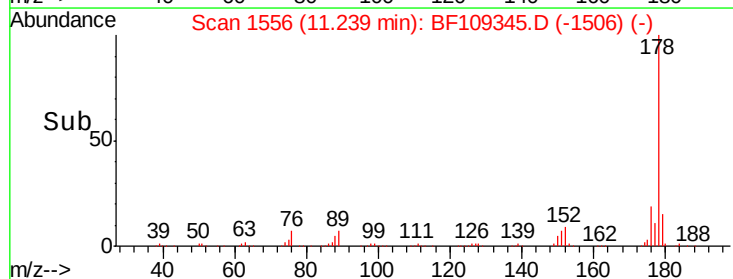
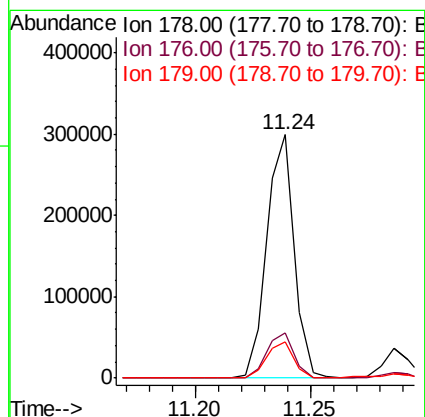
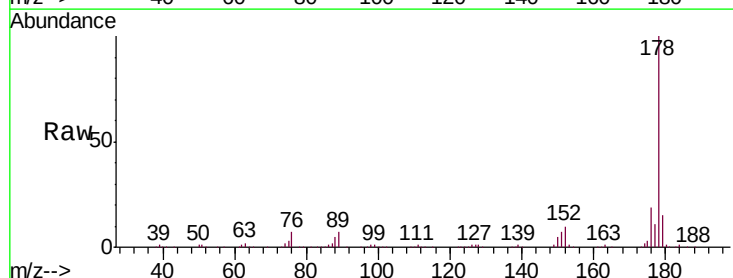
Instrument :
BNA_F
ClientSampleId :
S1RE

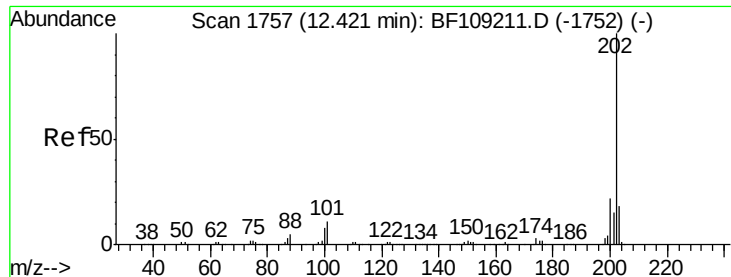
Tgt Ion:188 Resp: 381189
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 9.3 9.2 13.8



#70
Phenanthrene
Concen: 12.998 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109345.D
Acq: 26 Sep 2018 19:03

Tgt Ion:178 Resp: 247390
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.8 13.0 19.6





#74

Fluoranthene

Concen: 8.540 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109345.D

Acq: 26 Sep 2018 19:03

Instrument :

BNA_F

ClientSampled :

S1RE

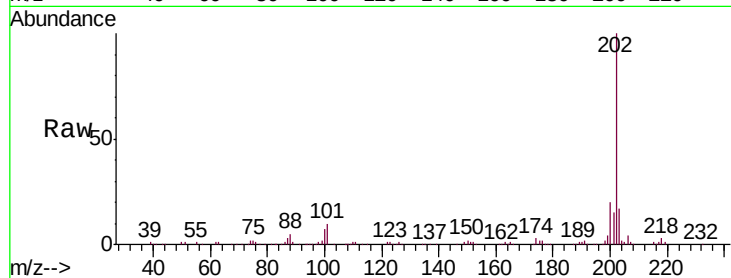
Tgt Ion: 202 Resp: 173697

Ion Ratio Lower Upper

202 100

101 9.7 0.0 34.1

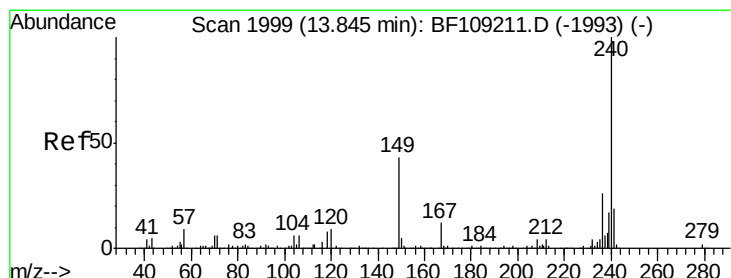
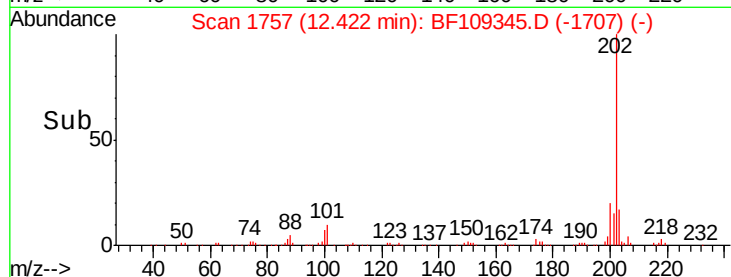
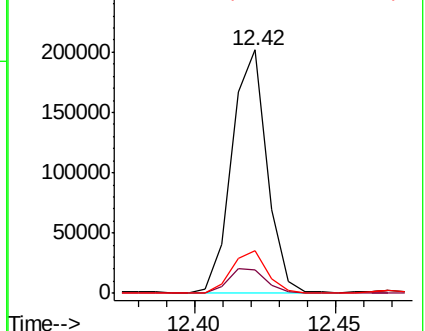
203 17.3 0.0 38.1



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: BF109345.D

Acq: 26 Sep 2018 19:03

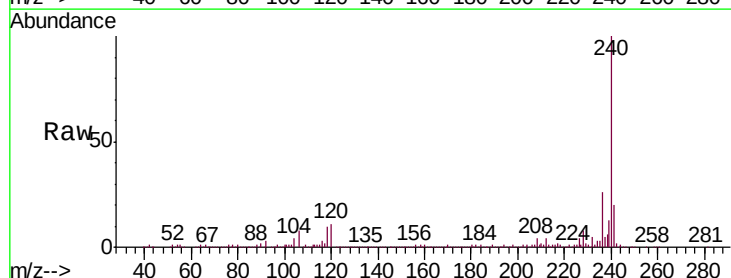
Tgt Ion: 240 Resp: 324847

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

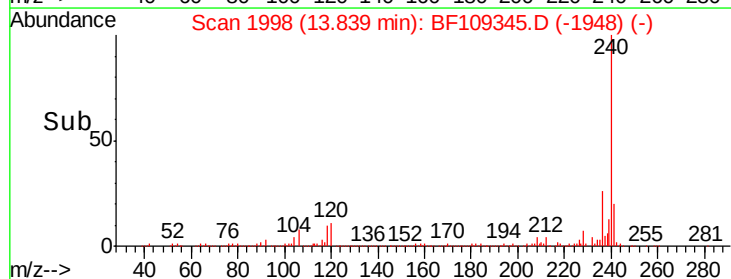
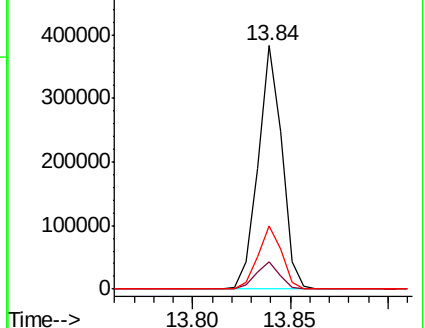
236 26.0 20.7 31.1

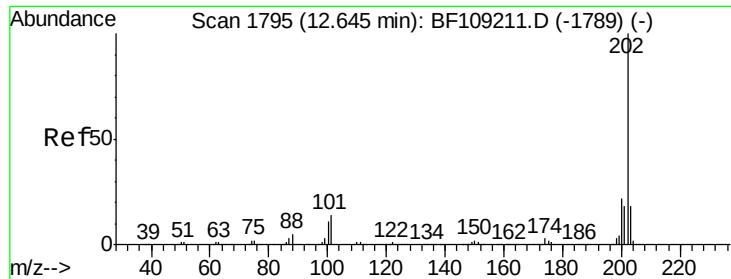


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

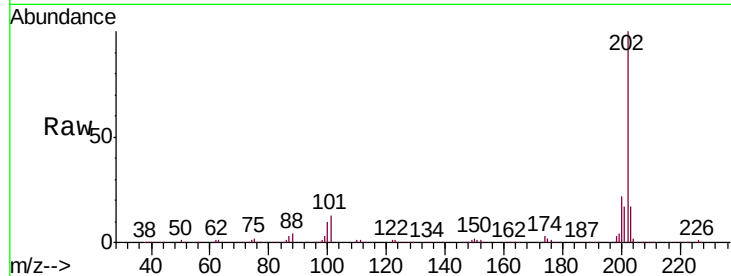




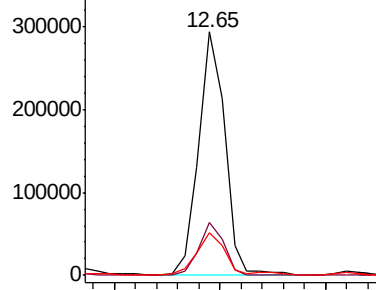
#77
 Pyrene
 Concen: 10.800 ng
 RT: 12.65 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF109345.D
 Acq: 26 Sep 2018 19:03

Instrument :
 BNA_F
 ClientSampleId :
 S1RE

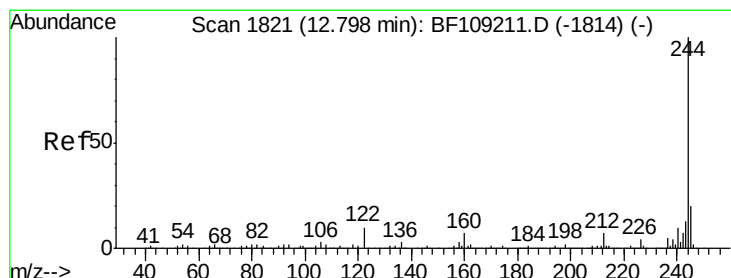
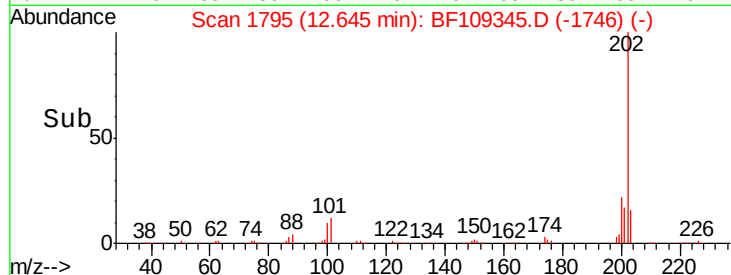
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.5	14.3	21.5



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

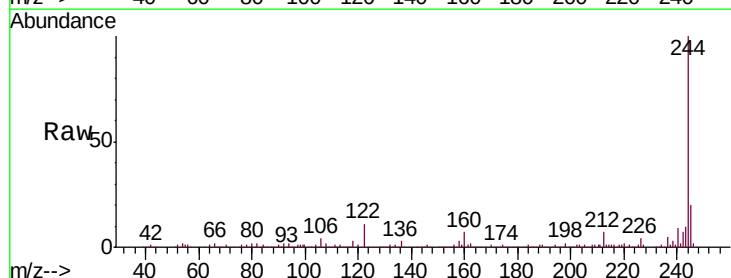


Time-->

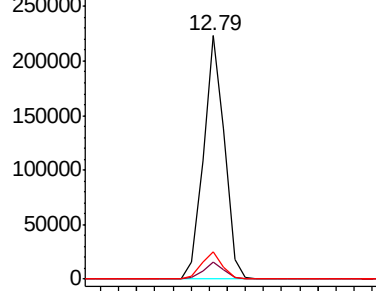


#78
 Terphenyl-d14
 Concen: 13.530 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109345.D
 Acq: 26 Sep 2018 19:03

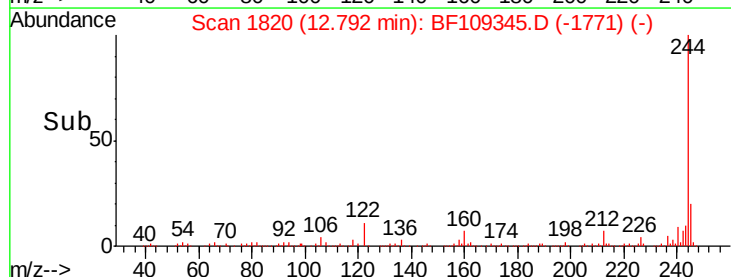
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.3	11.0	16.4

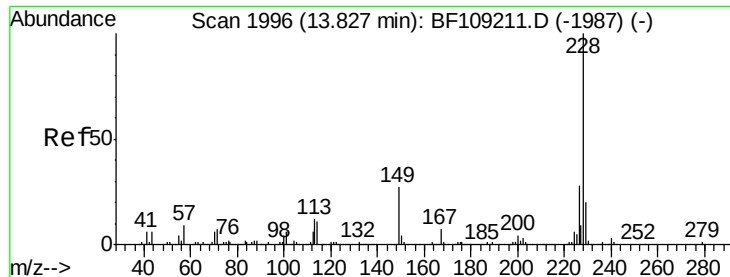


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 6.371 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.03 min

Lab File: BF109345.D

Acq: 26 Sep 2018 19:03

Instrument :

BNA_F

ClientSampleId :

S1RE

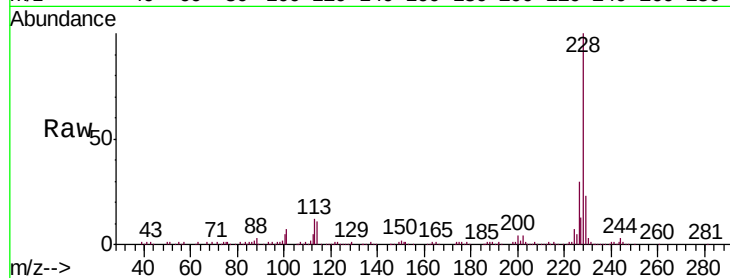
Tgt Ion:228 Resp: 124660

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

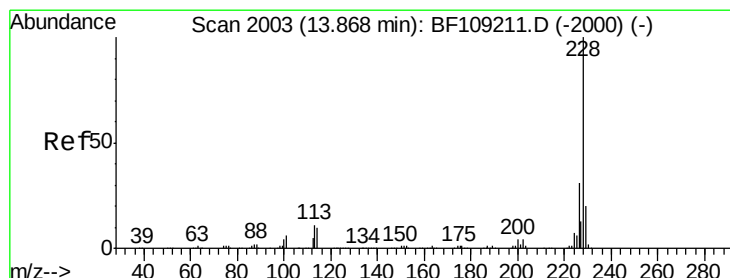
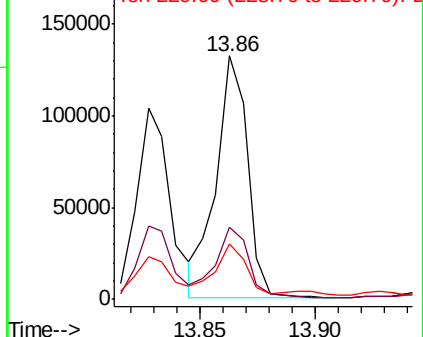
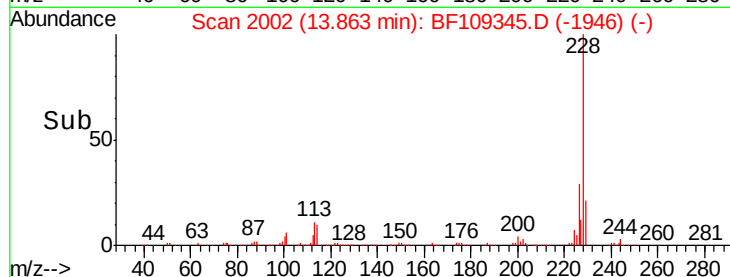
229 22.7 15.8 23.6



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: 6.428 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109345.D

Acq: 26 Sep 2018 19:03

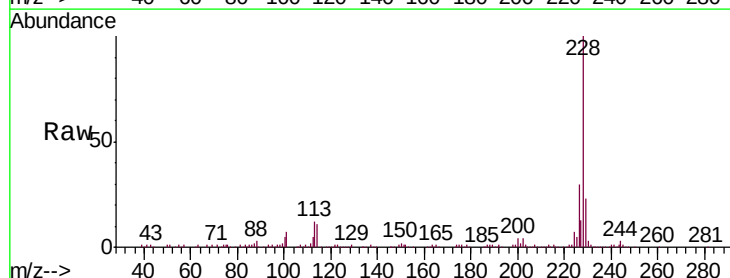
Tgt Ion:228 Resp: 124660

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

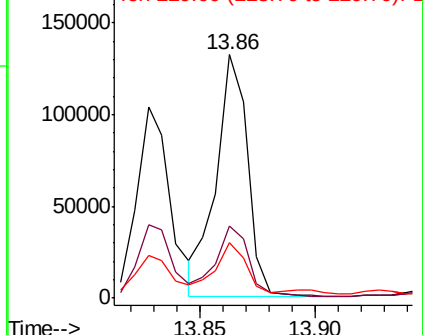
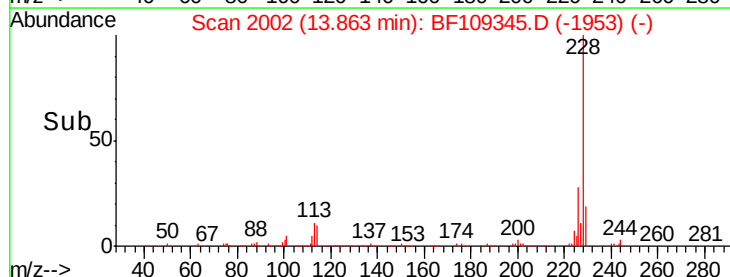
229 22.7 16.2 24.4

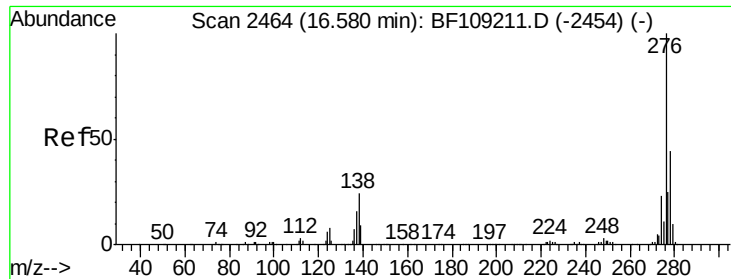


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

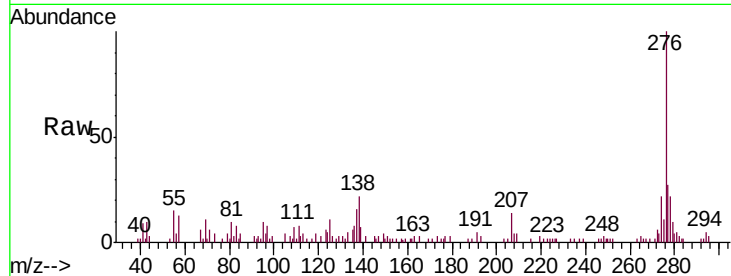




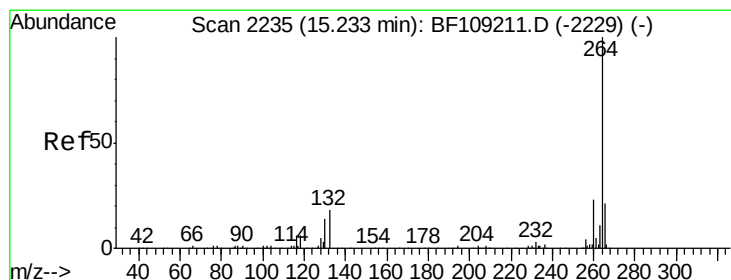
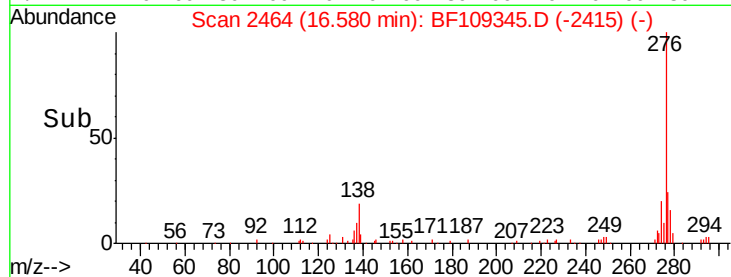
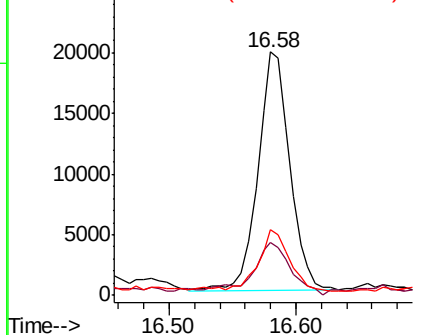
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.189 ng
 RT: 16.58 min Scan# 2464
 Delta R.T. -0.01 min
 Lab File: BF109345.D
 Acq: 26 Sep 2018 19:03

Instrument :
 BNA_F
 ClientSampleId :
 S1RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.4	25.0	37.6
277	24.8	20.1	30.1

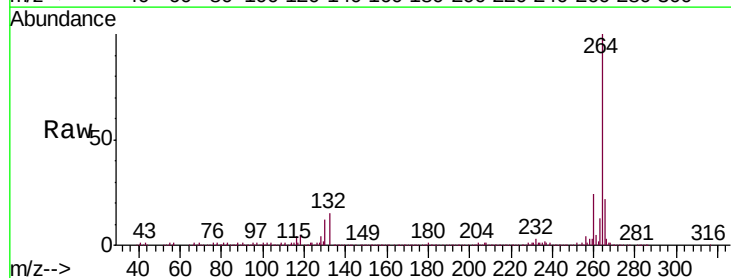


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

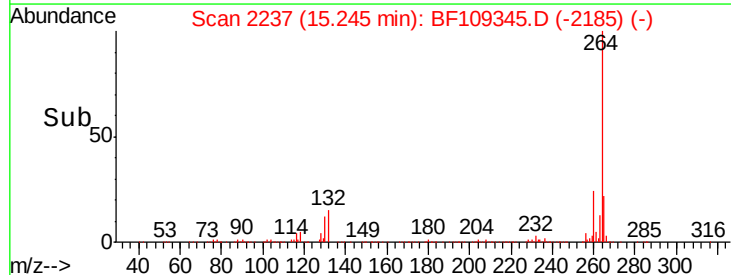
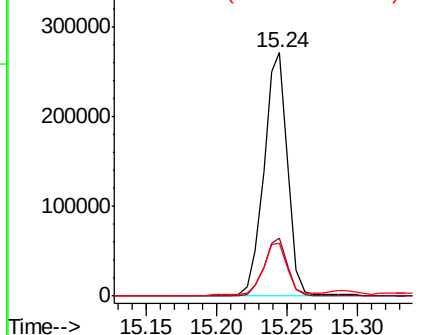


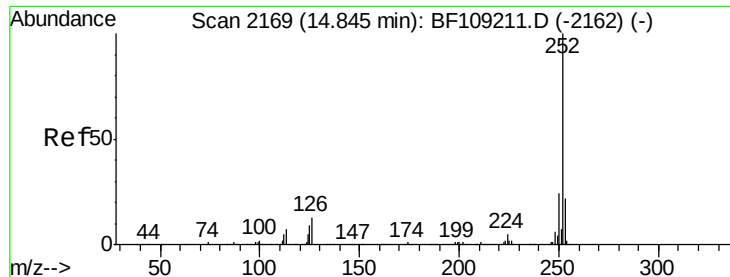
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109345.D
 Acq: 26 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.9	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

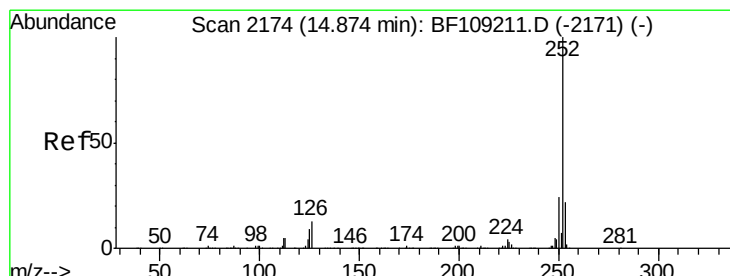
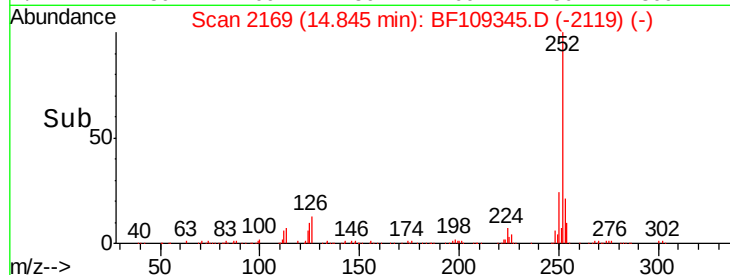
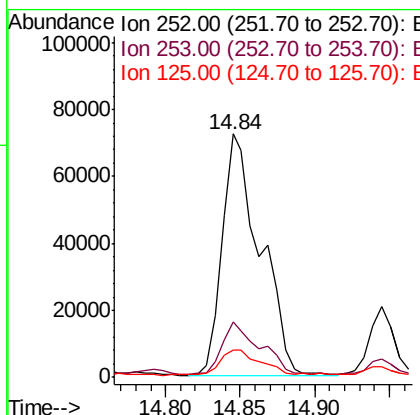
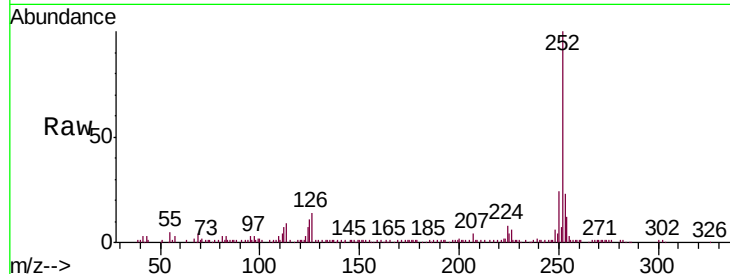




#87
Benzo(b)fluoranthene
Concen: 7.346 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109345.D
Acq: 26 Sep 2018 19:03

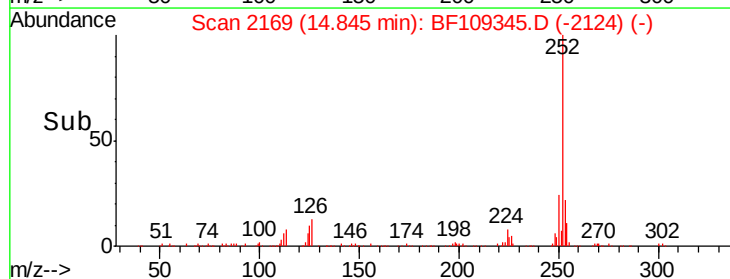
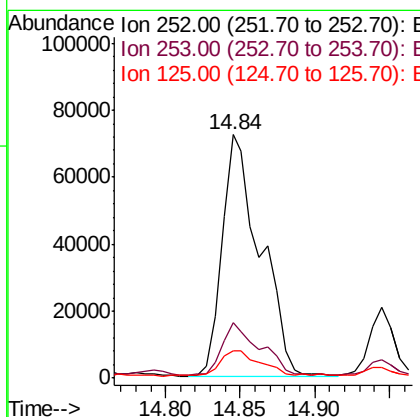
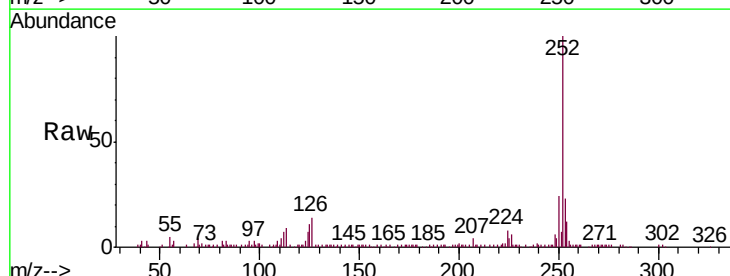
Instrument :
BNA_F
ClientSampleId :
S1RE

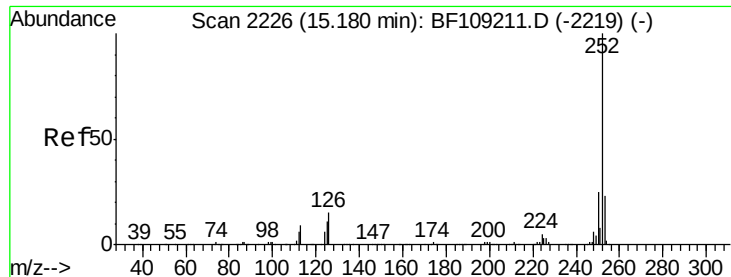
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	11.3	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 7.742 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109345.D
Acq: 26 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	11.3	10.2	15.2





#89

Benzo(a)pyrene

Concen: 5.105 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109345.D

Acq: 26 Sep 2018 19:03

Instrument :

BNA_F

ClientSampled :

S1RE

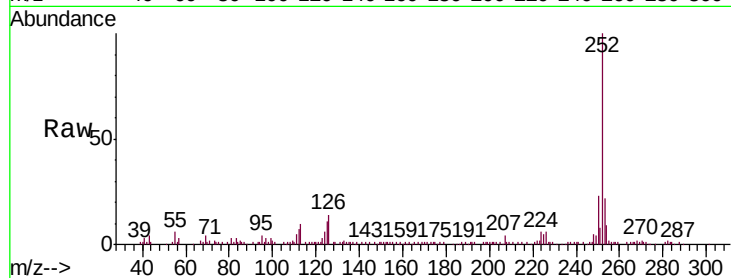
Tgt Ion:252 Resp: 80687

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

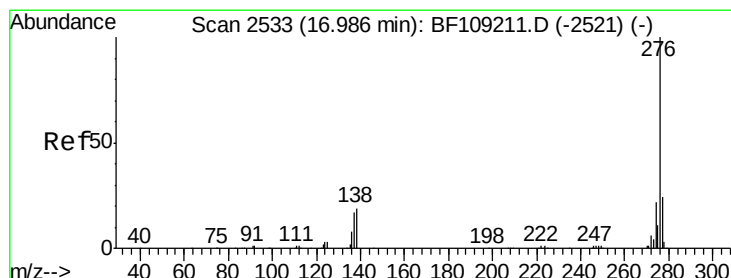
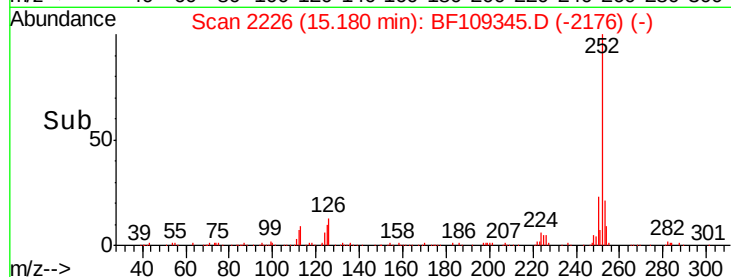
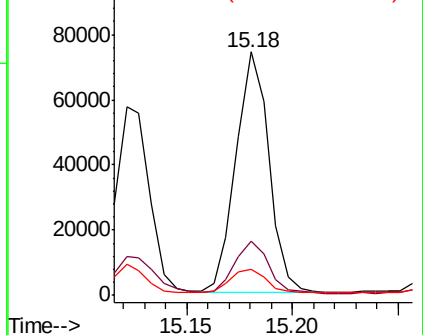
125 10.8 9.8 14.6



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: 3.015 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF109345.D

Acq: 26 Sep 2018 19:03

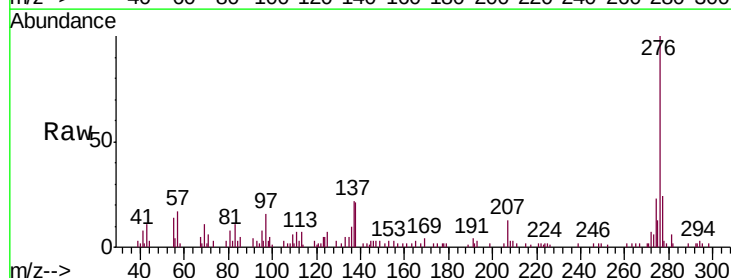
Tgt Ion:276 Resp: 38420

Ion Ratio Lower Upper

276 100

277 23.8 17.9 26.9

138 20.8 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

