

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100818\
 Data File : BF109680.D
 Acq On : 9 Oct 2018 7:01
 Operator : JU/SJ
 Sample : J5305-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 331-CON

Quant Time: Oct 09 08:20:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	88417	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	356471	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	138713	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	234395	20.00	ng	0.00
75) Chrysene-d12	13.83	240	201106	20.00	ng	0.00
86) Perylene-d12	15.23	264	164233	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	206210	41.40	ng	0.00
7) Phenol-d6	6.35	99	391315	58.81	ng	-0.01
23) Nitrobenzene-d5	7.26	82	271786	42.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	24489	16.20	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	487208	48.37	ng	0.00
78) Terphenyl-d14	12.78	244	388346	37.38	ng	0.00

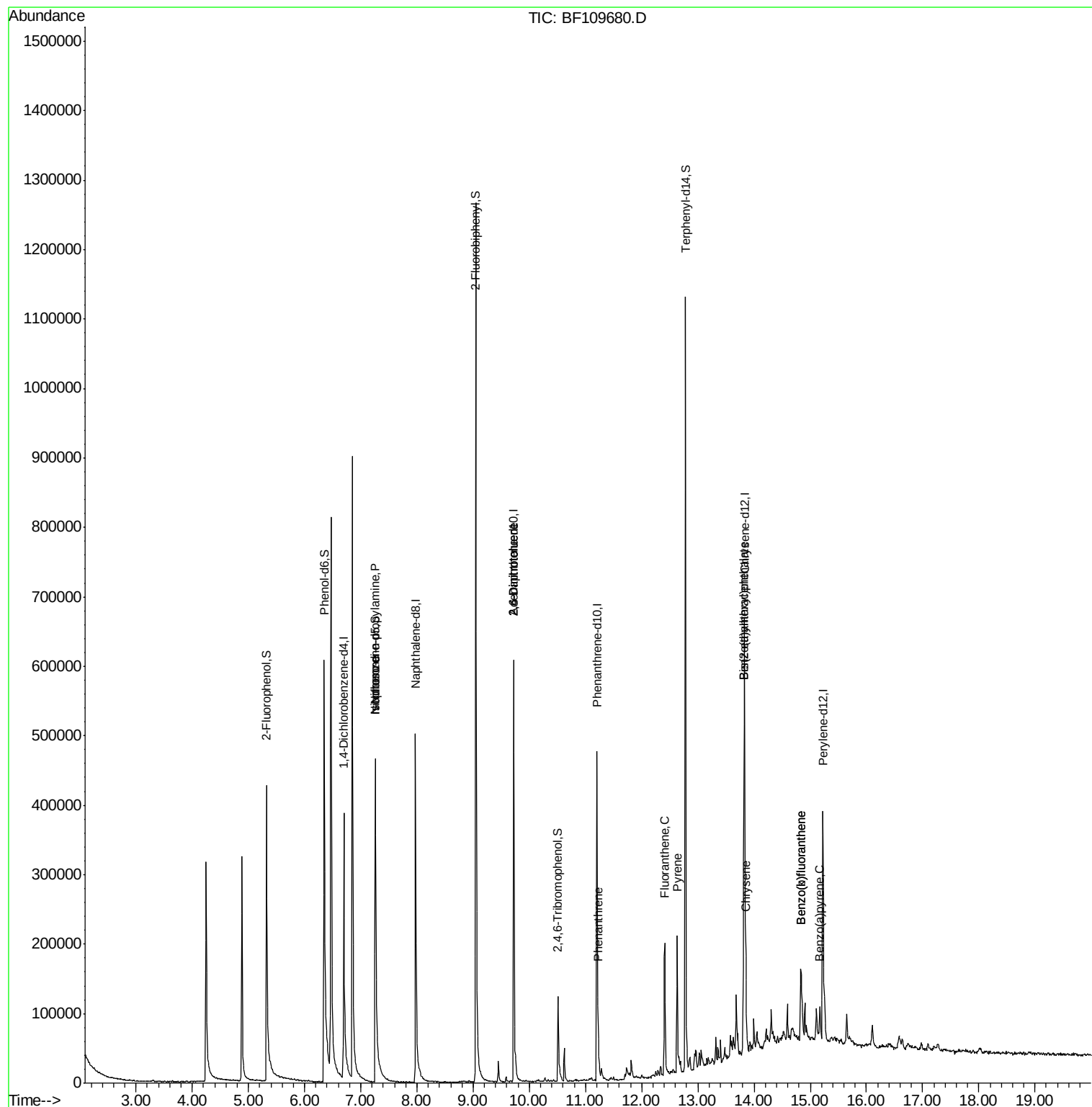
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	31821	6.819	ng	# 81
25) Isophorone	7.26	82	271786	25.310	ng	# 67
50) 2,6-Dinitrotoluene	9.72	165	17994	8.160	ng	# 21
56) 2,4-Dinitrotoluene	9.72	165	17994	6.538	ng	# 17
70) Phenanthrene	11.23	178	32607	2.780	ng	98
74) Fluoranthene	12.41	202	101055	8.247	ng	98
77) Pyrene	12.63	202	87407	5.932	ng	97
80) Benzo(a)anthracene	13.82	228	59346	5.348	ng	96
82) Chrysene	13.85	228	52985	4.545	ng	97
83) Bis(2-ethylhexyl)phthalate	13.82	149	17853	2.291	ng	# 99
87) Benzo(b)fluoranthene	14.83	252	72240	7.960	ng	97
88) Benzo(k)fluoranthene	14.83	252	72240	7.922	ng	# 96
89) Benzo(a)pyrene	15.17	252	23813	2.891	ng	# 97

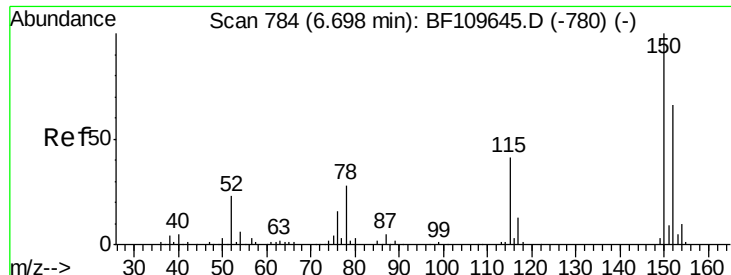
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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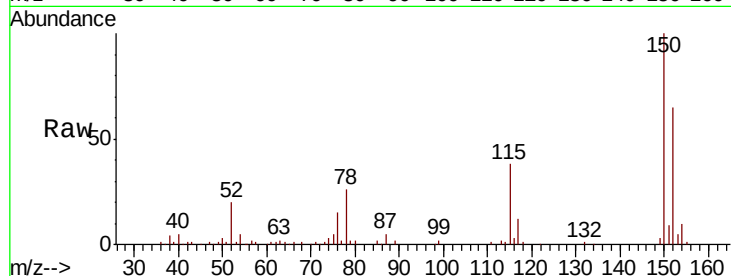




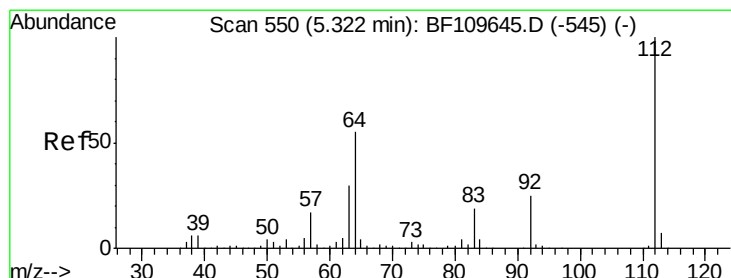
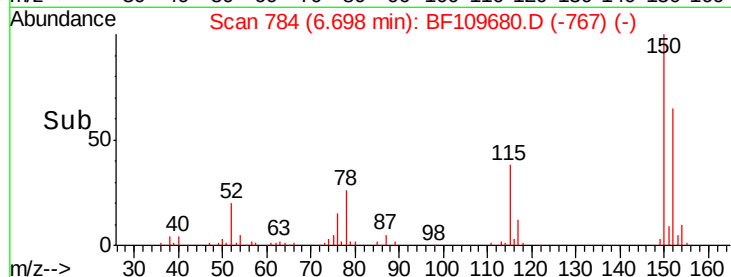
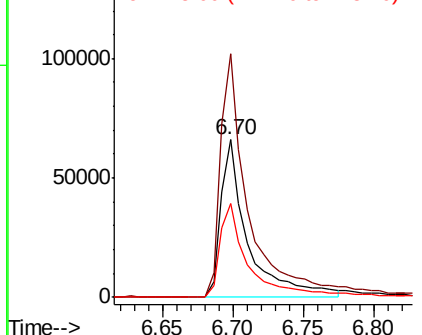
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Instrument :
 BNA_F
 ClientSampleId :
 331-CON

Tgt Ion:152 Resp: 88417
 Ion Ratio Lower Upper
 152 100
 150 154.5 122.7 184.1
 115 59.4 49.1 73.7

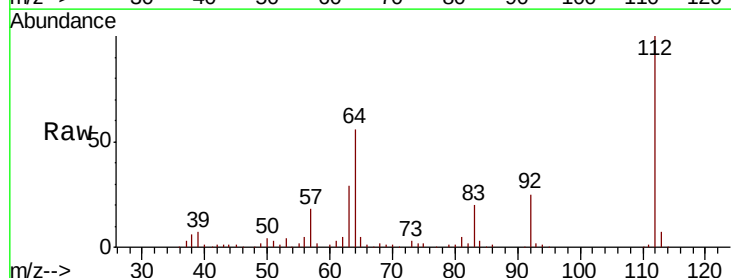


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

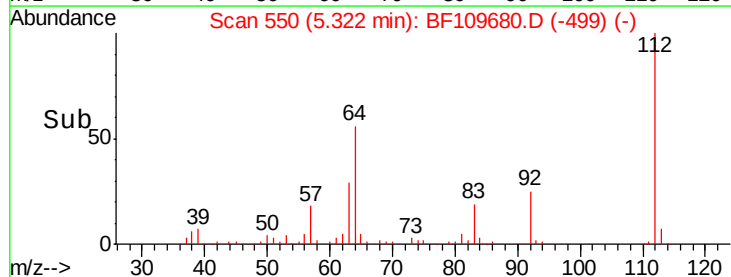
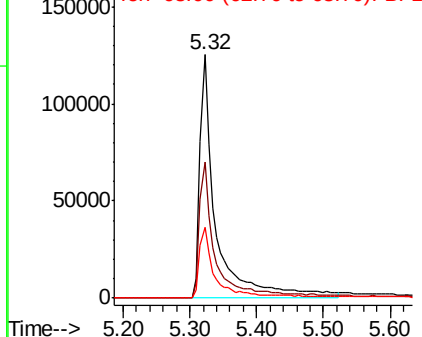


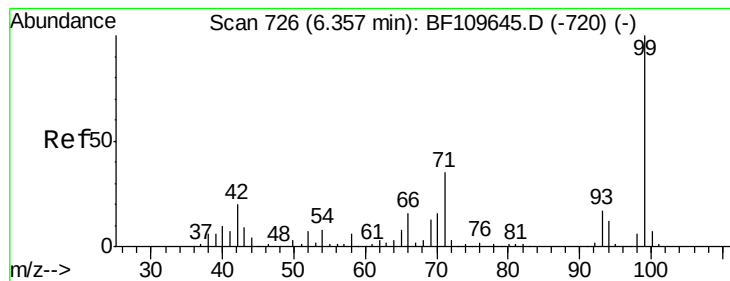
#5
 2-Fluorophenol
 Concen: 41.398 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Tgt Ion:112 Resp: 206210
 Ion Ratio Lower Upper
 112 100
 64 56.1 44.1 66.1
 63 29.3 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: 58.807 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Instrument :

BNA_F

ClientSampleId :

331-CON

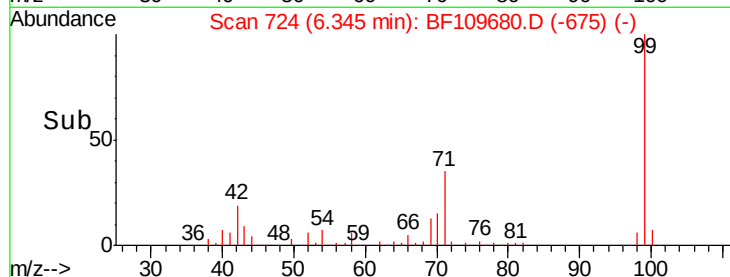
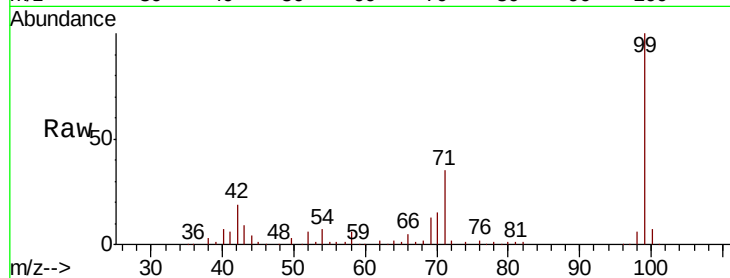
Tgt Ion: 99 Resp: 391315

Ion Ratio Lower Upper

99 100

42 19.2 15.8 23.6

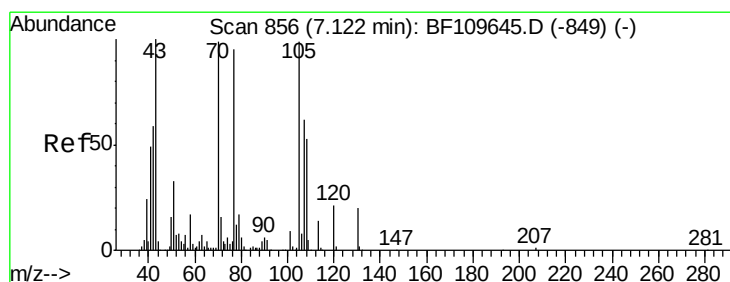
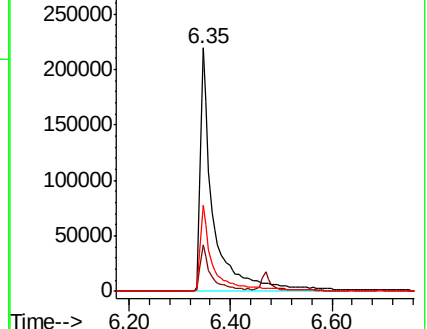
71 35.2 28.0 42.0



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: 6.819 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Tgt Ion: 70 Resp: 31821

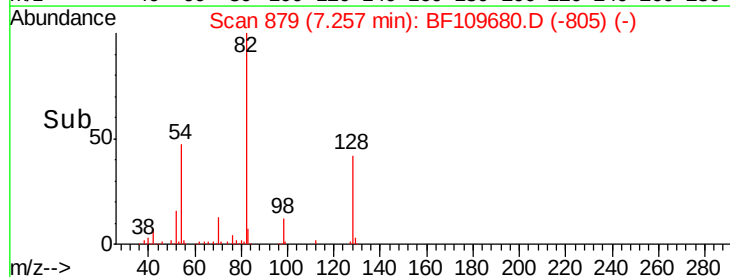
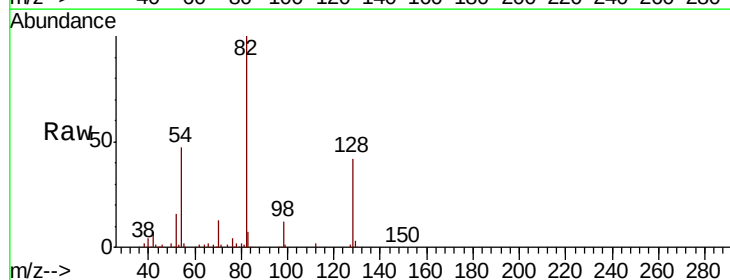
Ion Ratio Lower Upper

70 100

42 51.3 47.4 71.2

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#

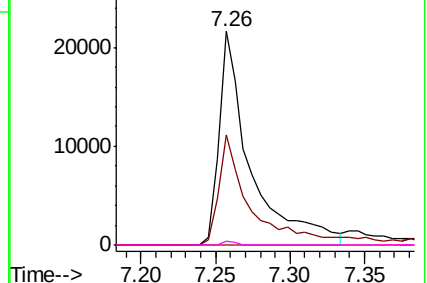


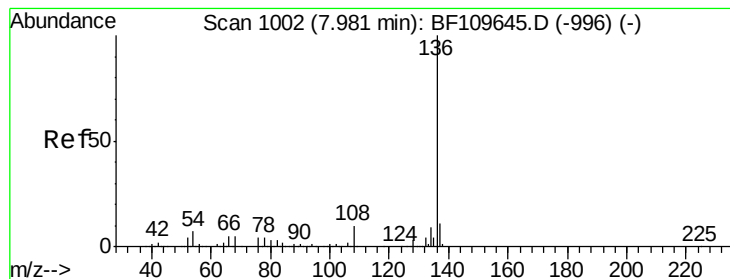
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Instrument :

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Tgt Ion: 136 Resp: 356471

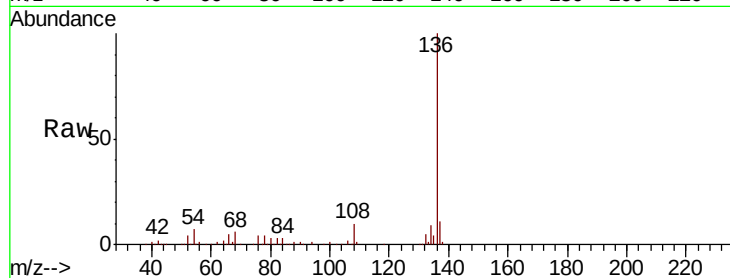
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.2 5.4 8.2

68 5.6 4.2 6.2

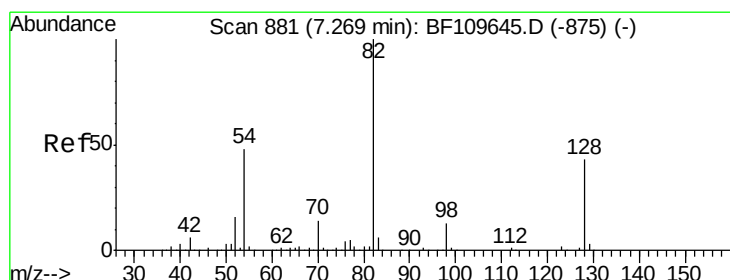
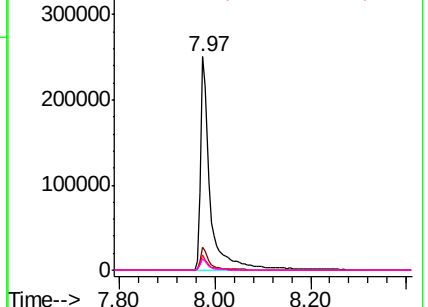
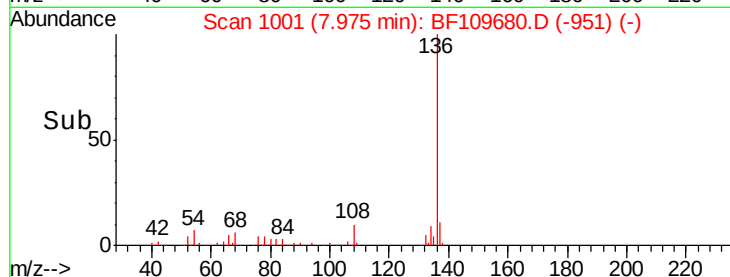


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.028 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

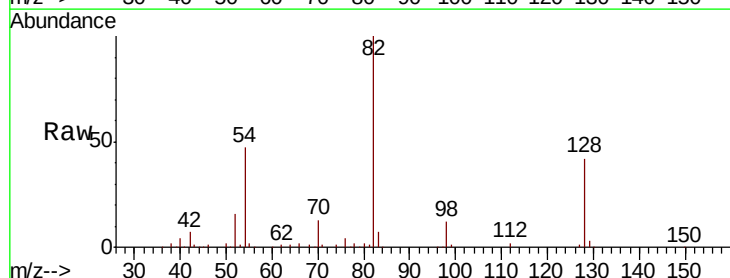
Tgt Ion: 82 Resp: 271786

Ion Ratio Lower Upper

82 100

128 41.8 34.2 51.2

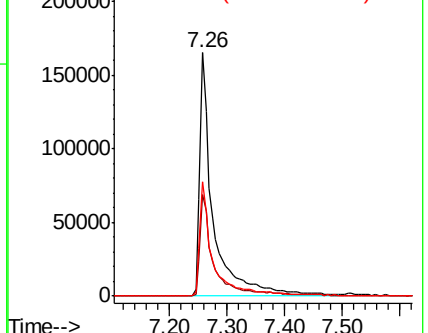
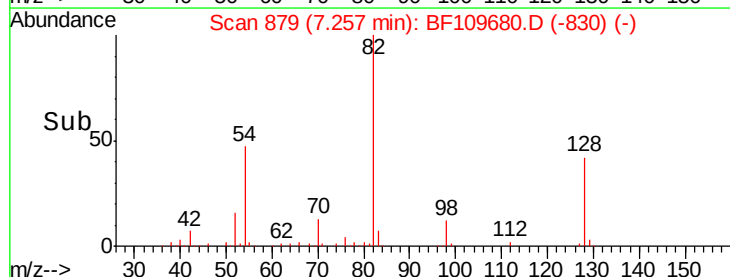
54 47.1 38.6 58.0

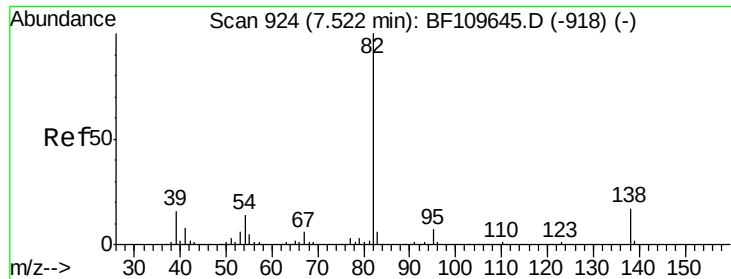


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

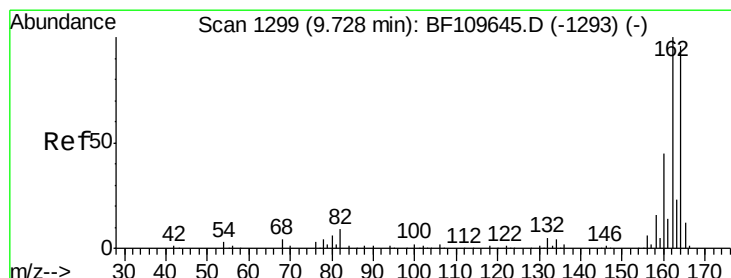
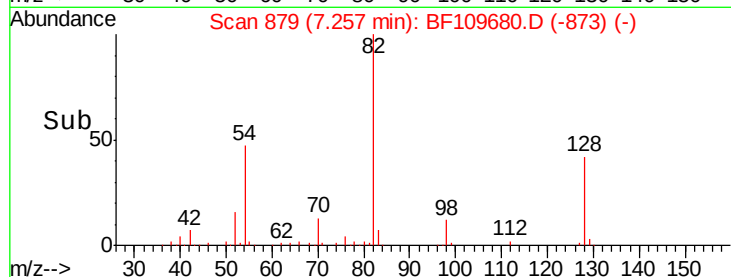
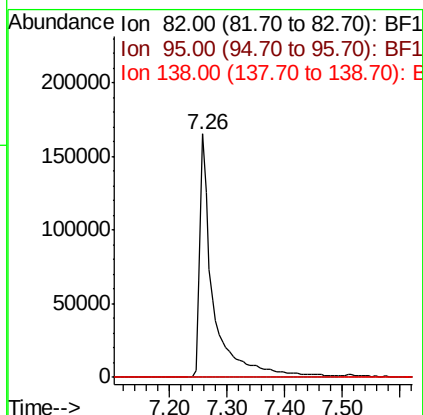
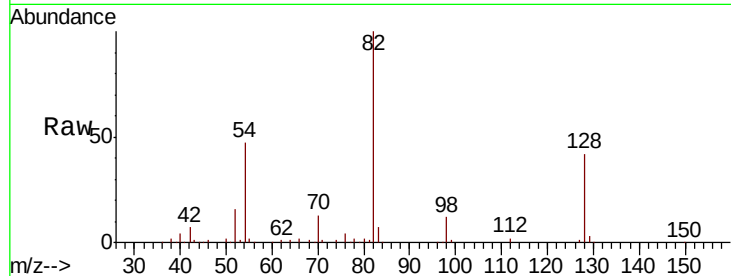




#25
Isophorone
Concen: 25.310 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.26 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

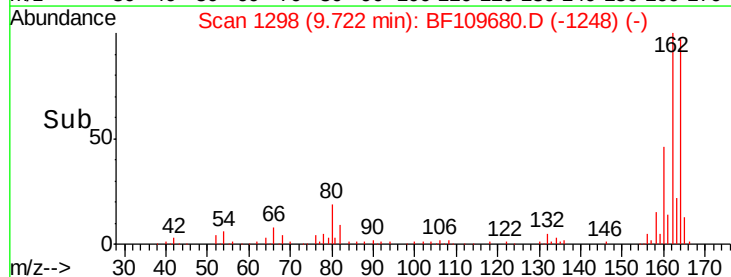
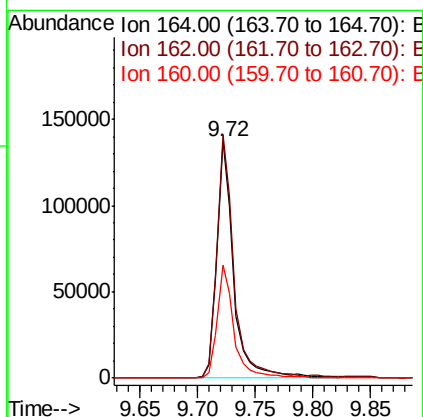
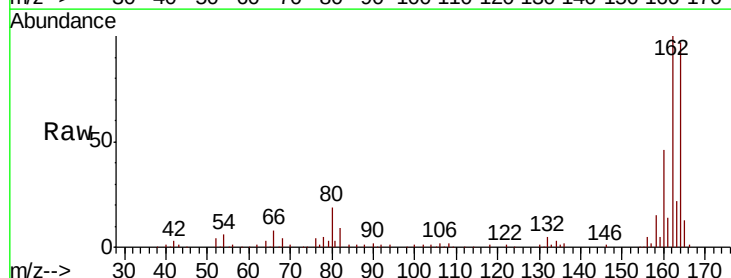
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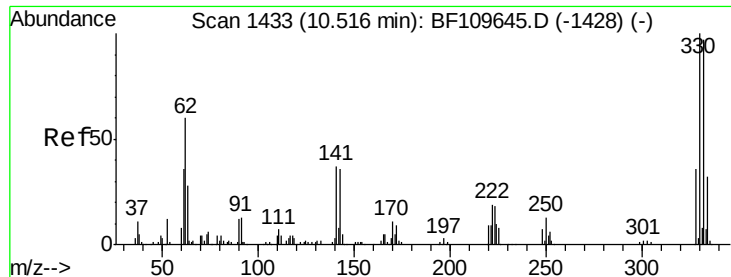
Tgt Ion: 82 Resp: 271786
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Tgt Ion: 164 Resp: 138713
Ion Ratio Lower Upper
164 100
162 102.8 83.0 124.6
160 47.6 37.0 55.6

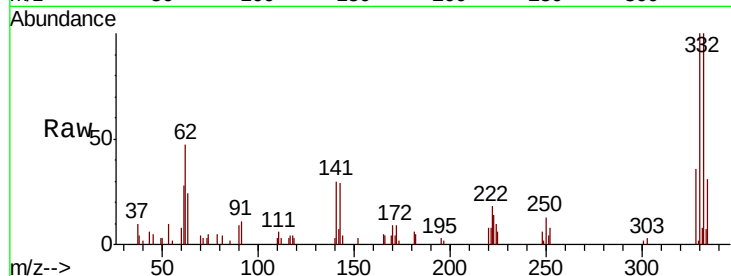




#41
 2,4,6-Tribromophenol
 Concen: 16.203 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Instrument :
 BNA_F
 ClientSampleId :
 331-CON

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.1	115.7
141	35.0	27.0	40.4

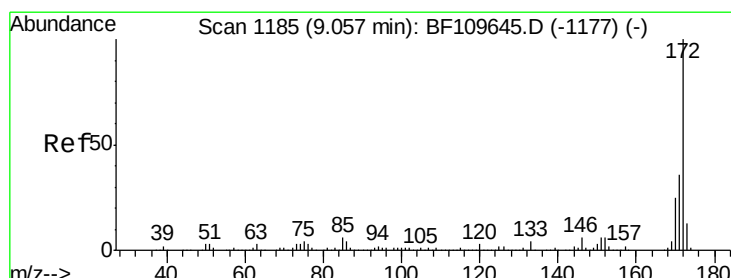
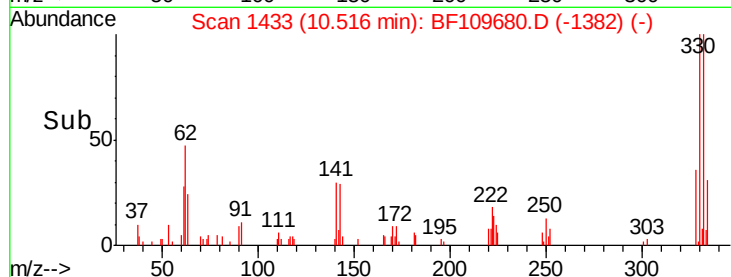
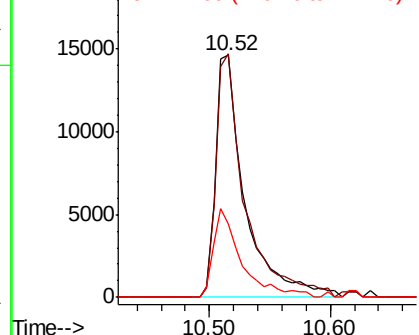


Abundance

Ion 329.80 (329.50 to 330.50): E

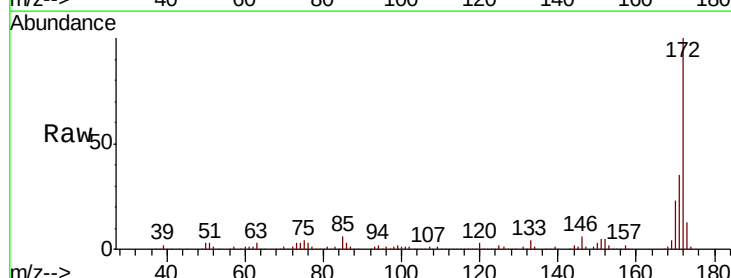
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 48.374 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.3	19.7	29.5

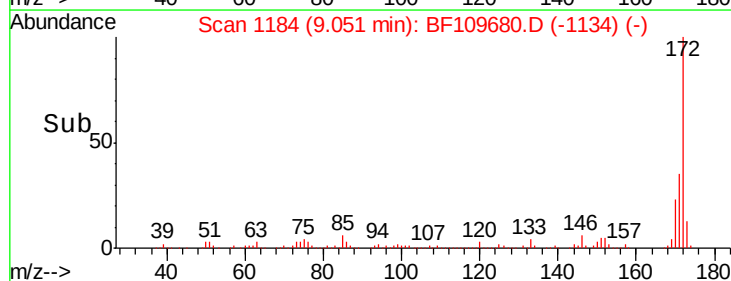
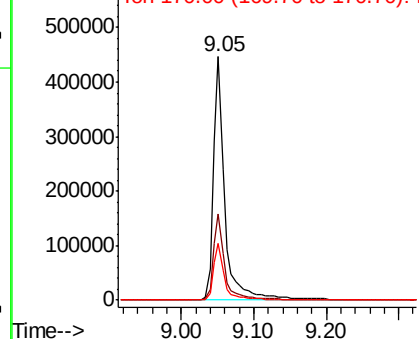


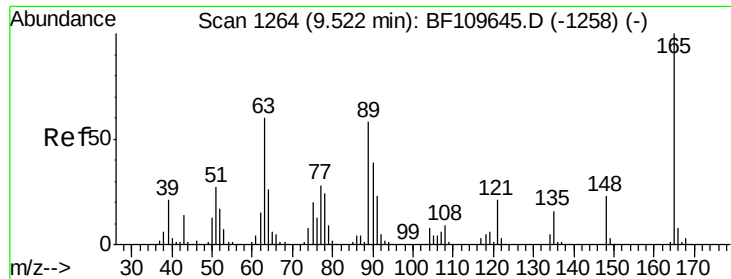
Abundance

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

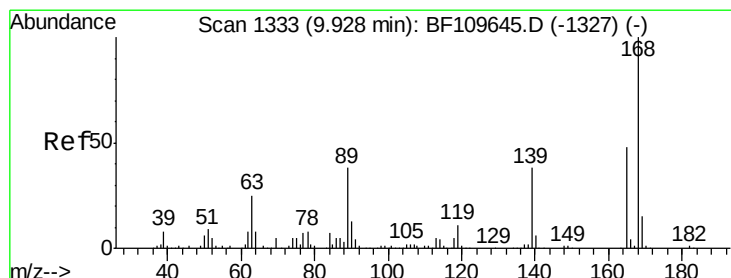
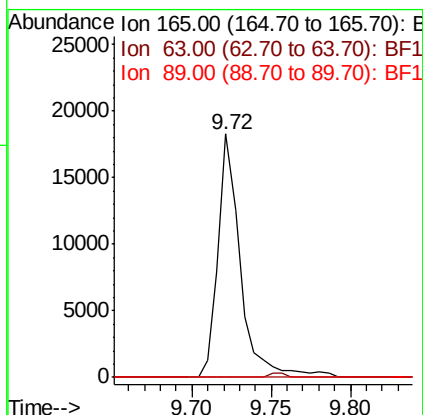
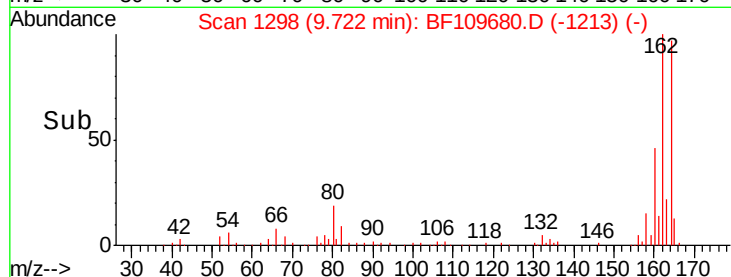
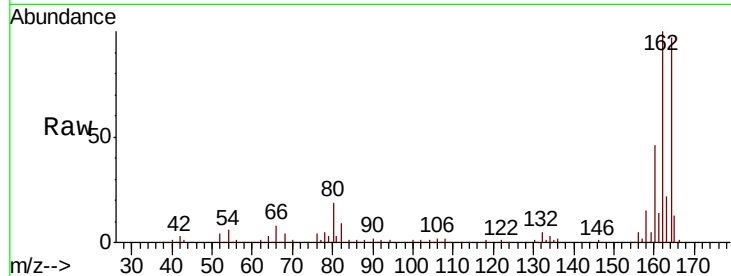




#50
 2,6-Dinitrotoluene
 Concen: 8.160 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.20 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

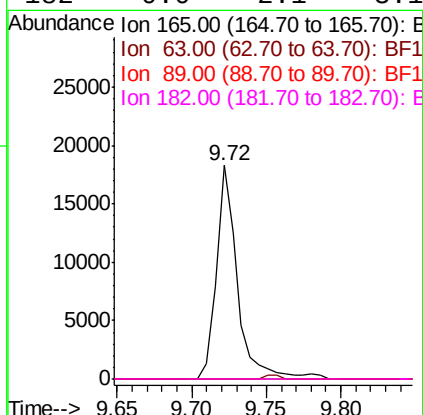
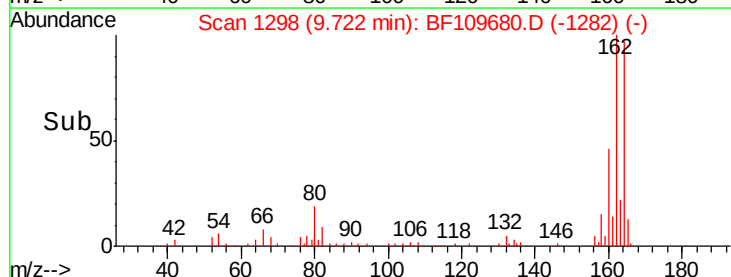
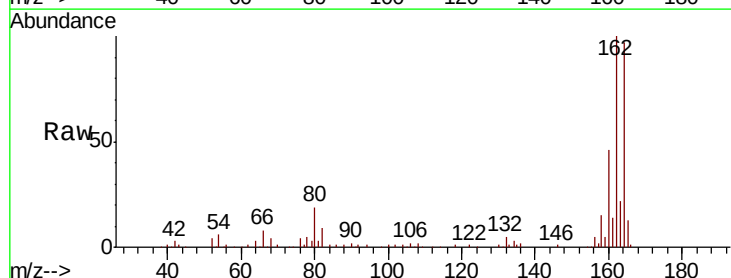
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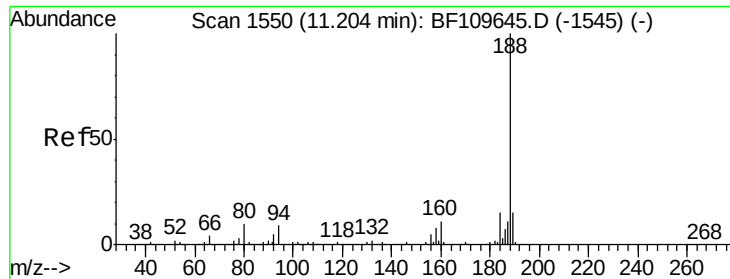
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.538 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#

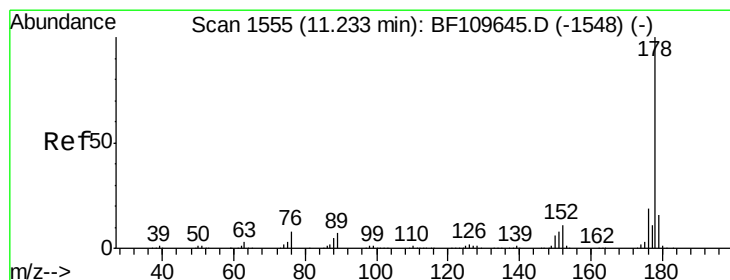
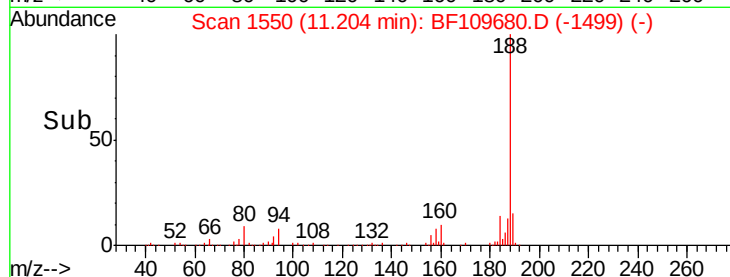
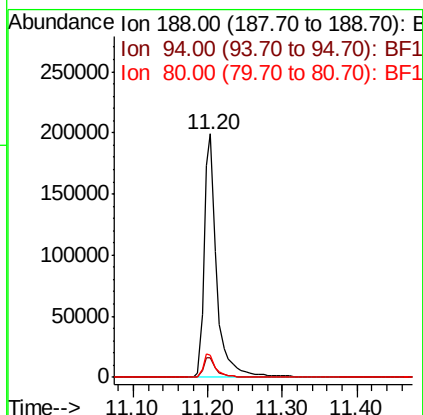
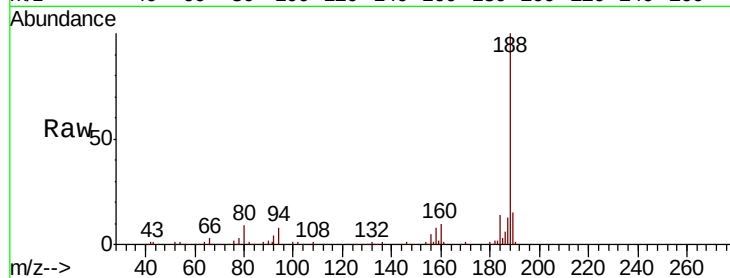




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

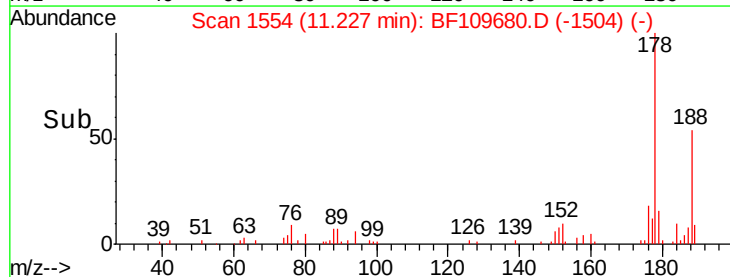
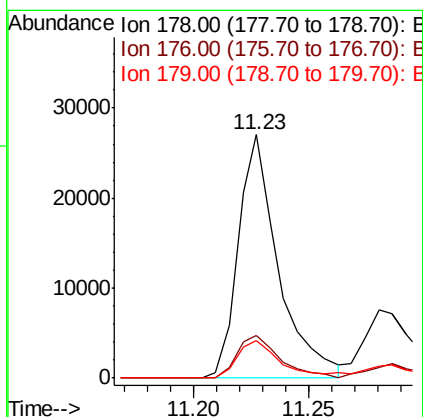
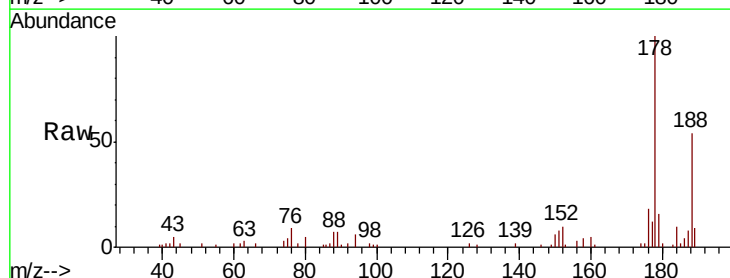
Instrument :
BNA_F
ClientSampleId :
331-CON

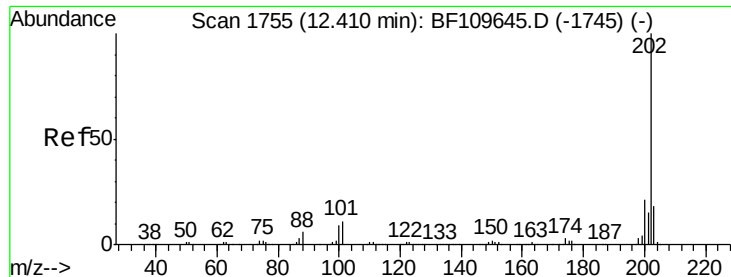
Tgt Ion:188 Resp: 234395
Ion Ratio Lower Upper
188 100
94 7.9 7.2 10.8
80 8.9 7.9 11.9



#70
Phenanthrene
Concen: 2.780 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Tgt Ion:178 Resp: 32607
Ion Ratio Lower Upper
178 100
176 17.5 15.5 23.3
179 15.5 12.5 18.7





#74

Fluoranthene

Concen: 8.247 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Instrument :

BNA_F

ClientSampleId :

331-CON

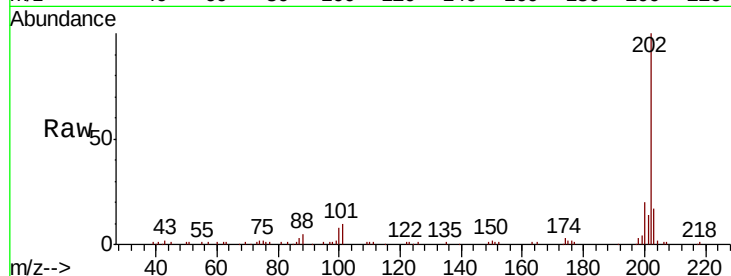
Tgt Ion: 202 Resp: 101055

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.4

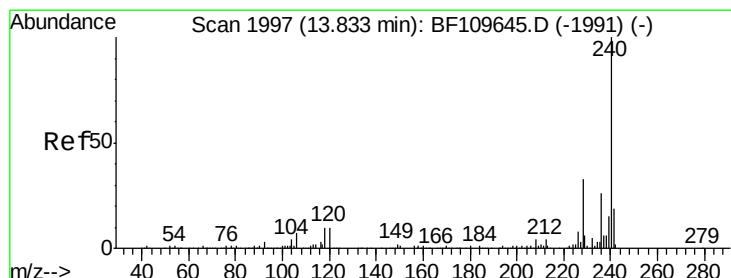
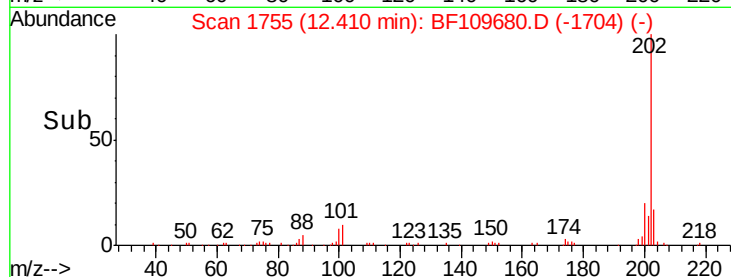
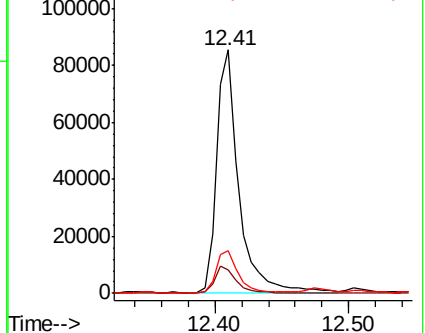
203 17.3 0.0 37.7



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: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

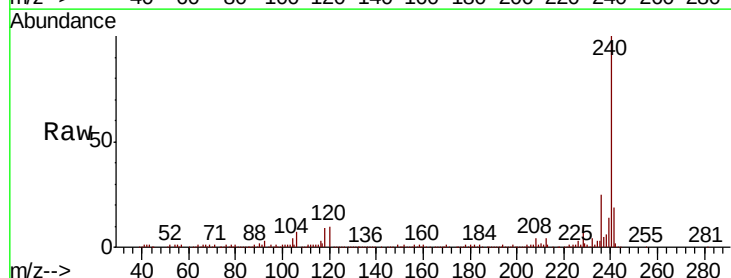
Tgt Ion: 240 Resp: 201106

Ion Ratio Lower Upper

240 100

120 10.4 8.3 12.5

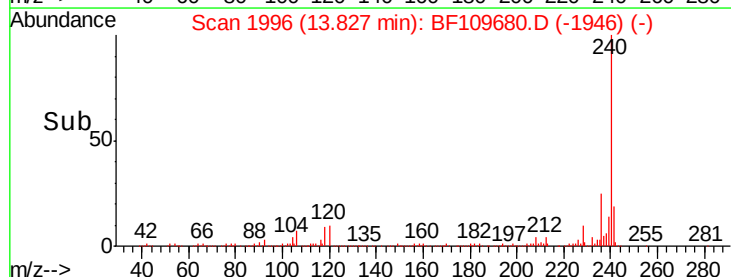
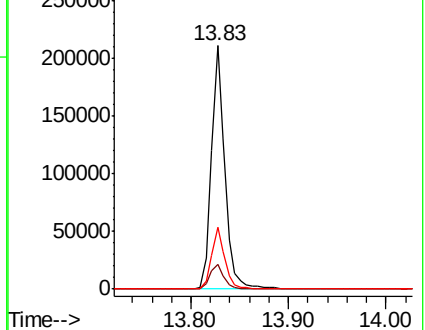
236 25.5 21.2 31.8

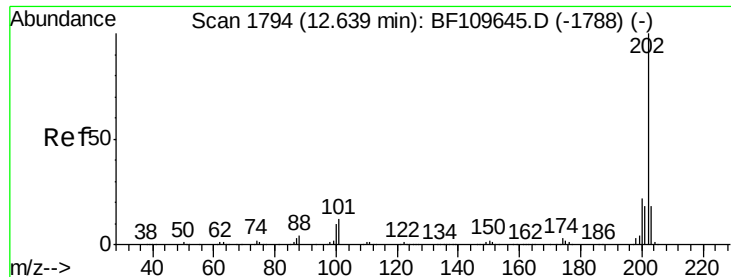


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

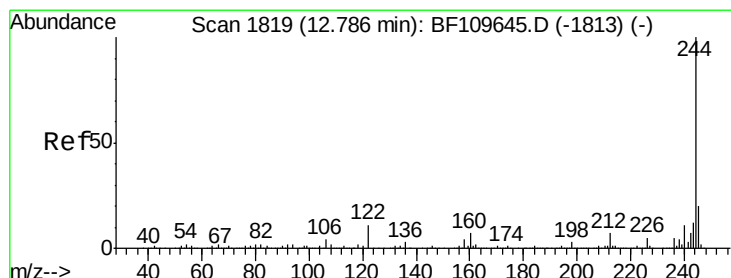
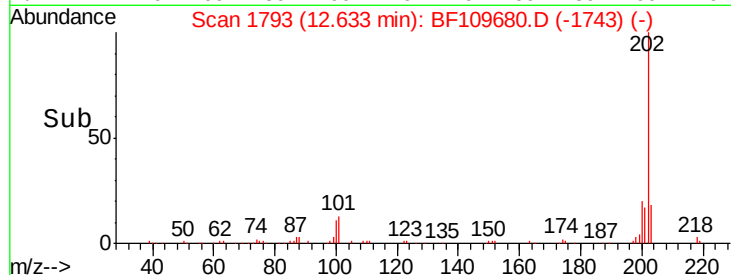
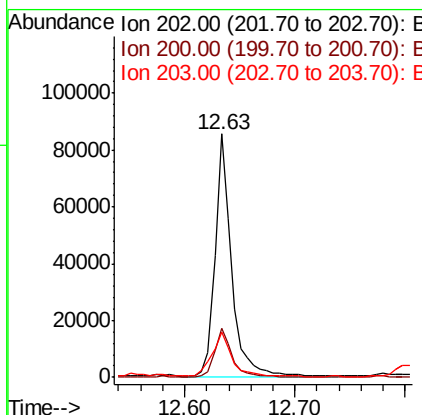
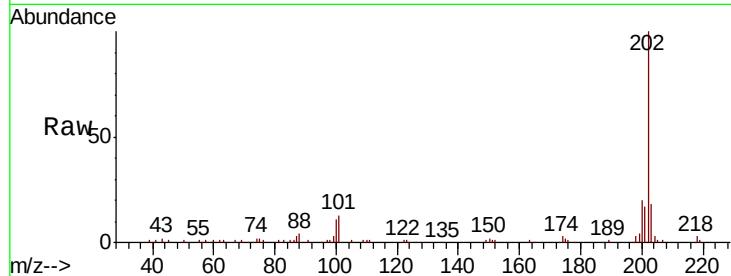




#77
 Pyrene
 Concen: 5.932 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

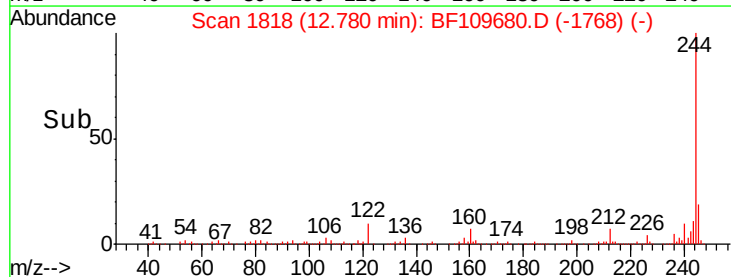
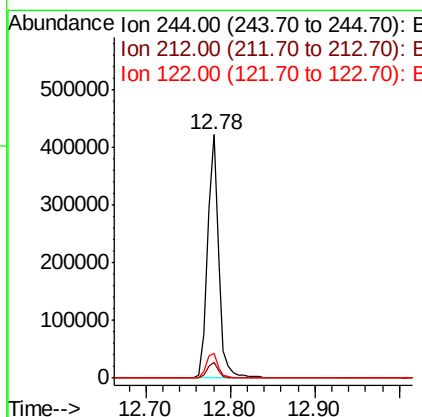
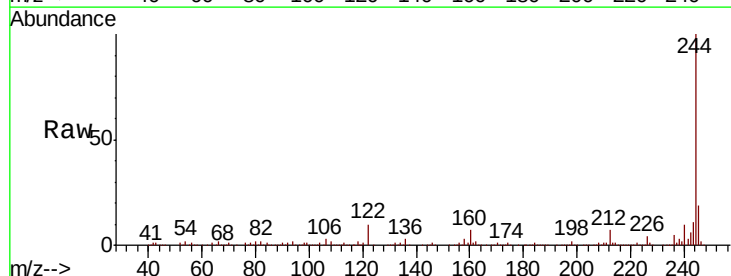
Instrument :
 BNA_F
 ClientSampleId :
 331-CON

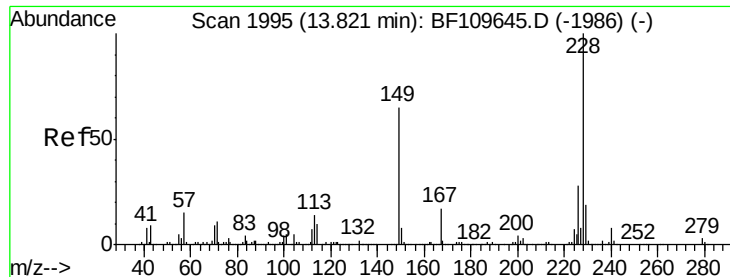
Tgt Ion: 202 Resp: 87407
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.8 26.6
 203 18.4 14.2 21.4



#78
 Terphenyl-d14
 Concen: 37.382 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Tgt Ion: 244 Resp: 388346
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 9.9 8.7 13.1





#80

Benzo(a)anthracene

Concen: 5.348 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

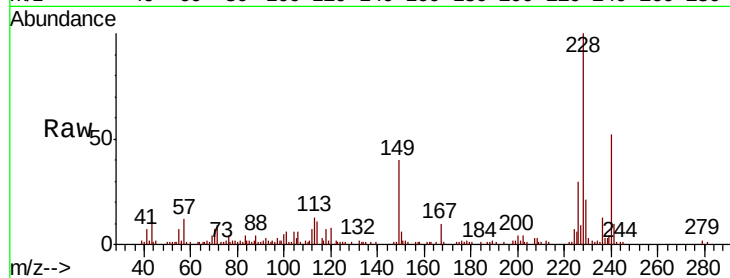
Instrument :

BNA_F

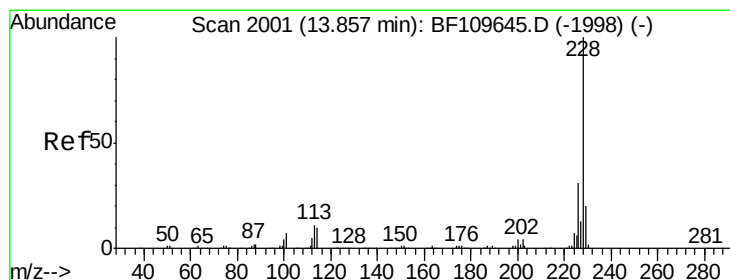
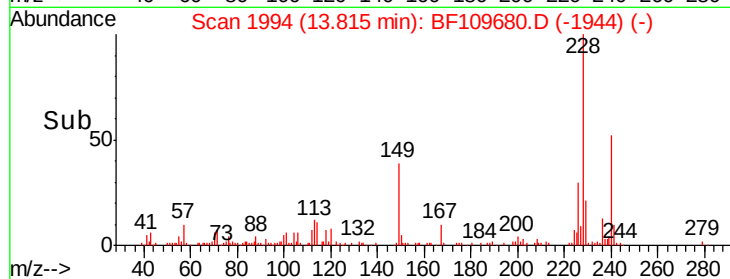
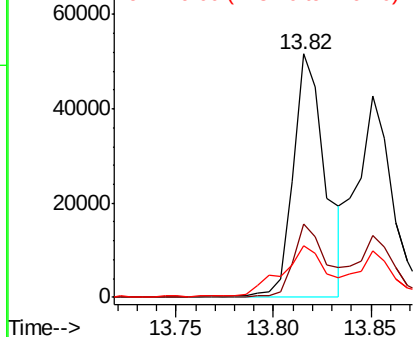
ClientSampleId :

331-CON

Tgt Ion:	228	Resp:	59346
Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.1	33.1
229	21.0	15.6	23.4



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



#82

Chrysene

Concen: 4.545 ng

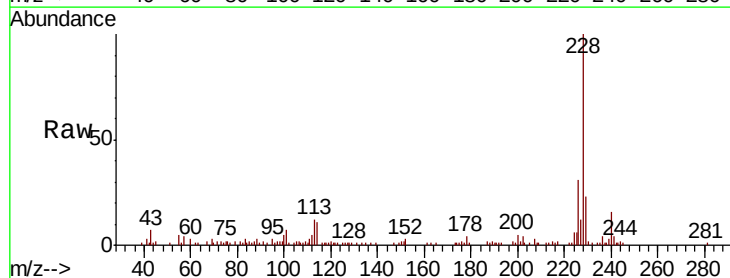
RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

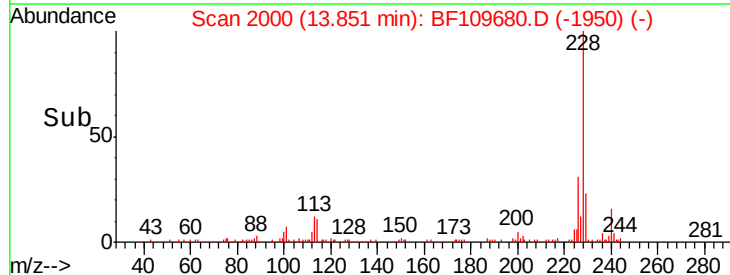
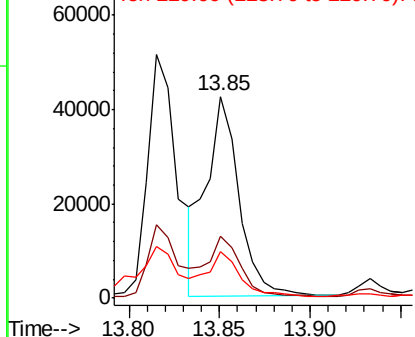
Lab File: BF109680.D

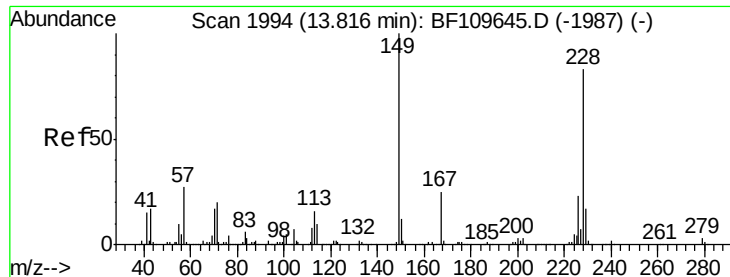
Acq: 9 Oct 2018 7:01

Tgt Ion:	228	Resp:	52985
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	22.8	15.9	23.9



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: 2.291 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Instrument :

BNA_F

ClientSampleId :

331-CON

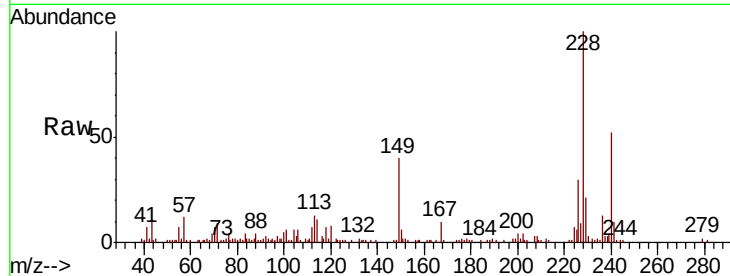
Tgt Ion:149 Resp: 17853

Ion Ratio Lower Upper

149 100

167 25.4 19.8 29.8

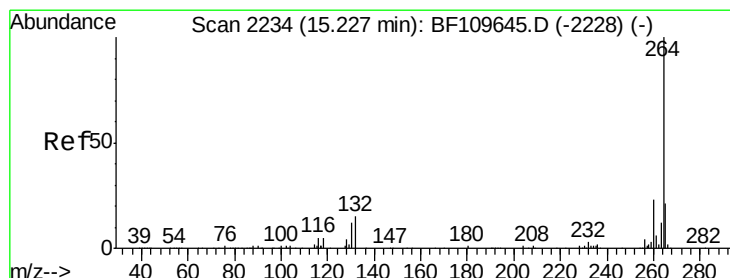
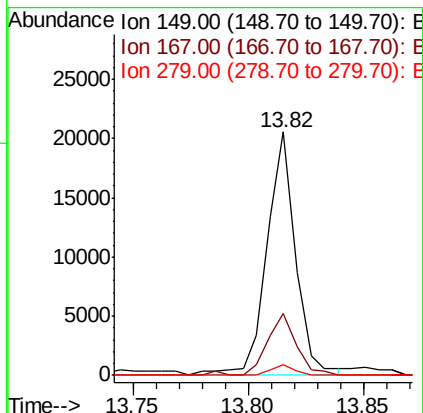
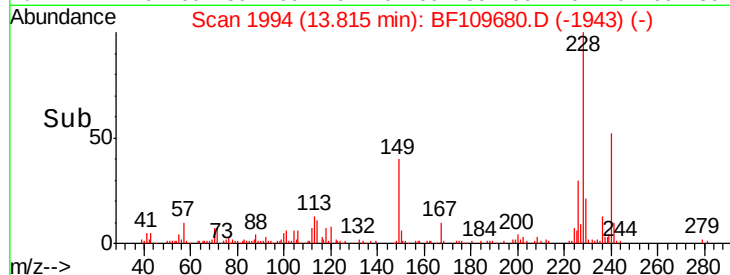
279 4.2 2.7 4.1#



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: 15.23 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

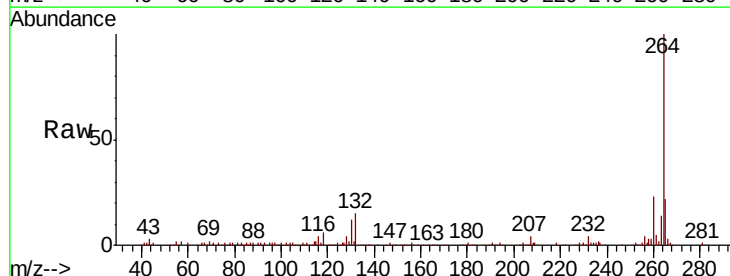
Tgt Ion:264 Resp: 164233

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

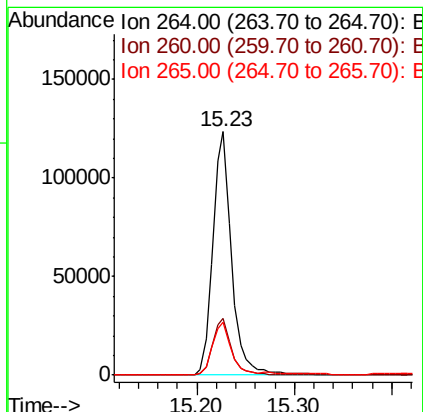
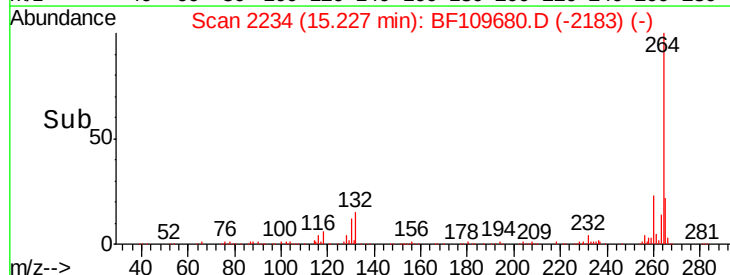
265 21.7 16.7 25.1

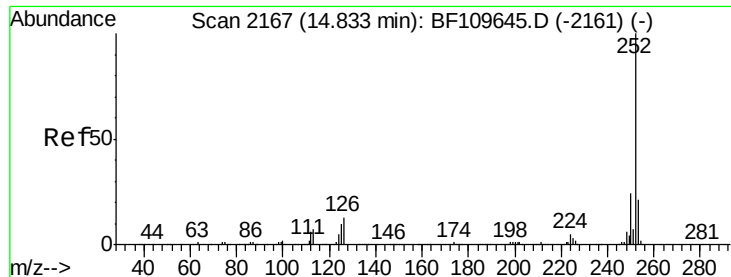


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

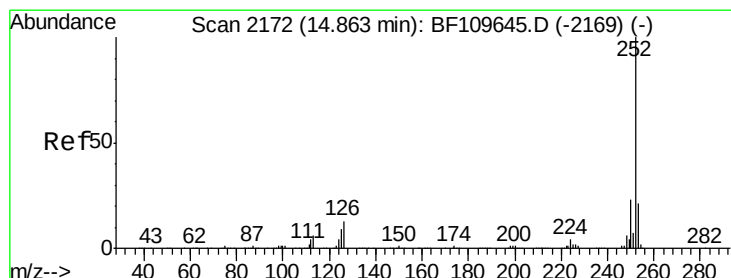
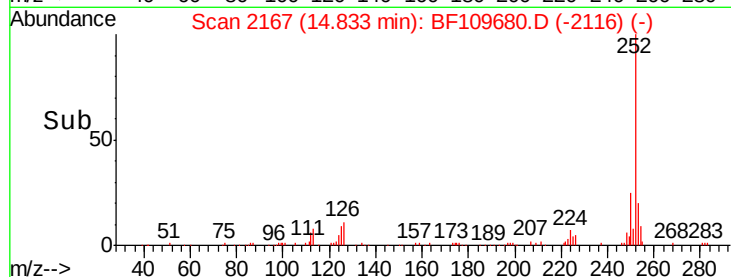
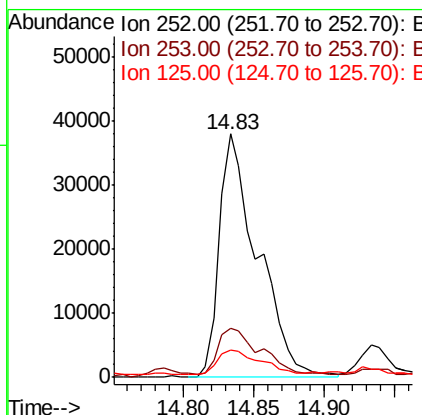
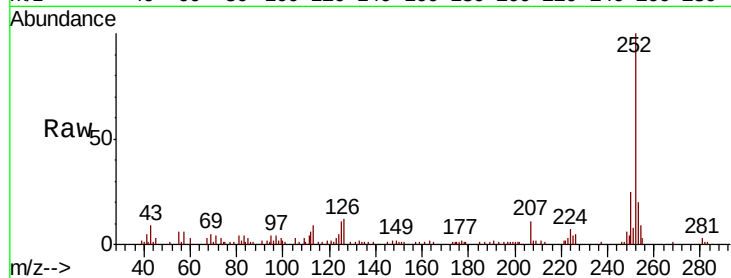




#87
Benzo(b)fluoranthene
Concen: 7.960 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

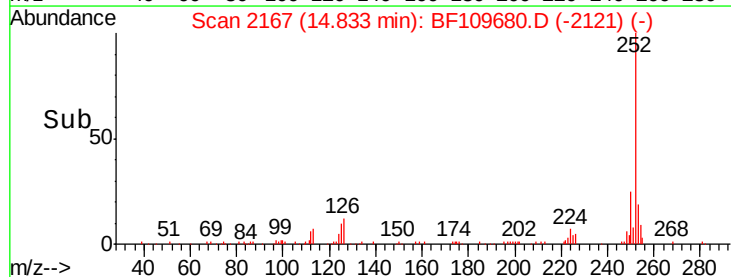
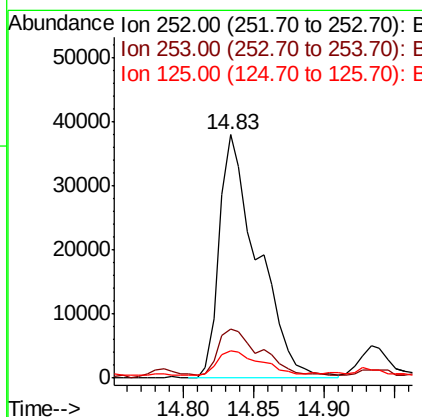
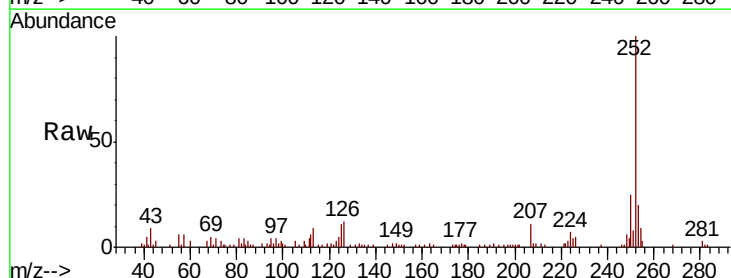
Instrument :
BNA_F
ClientSampleId :
331-CON

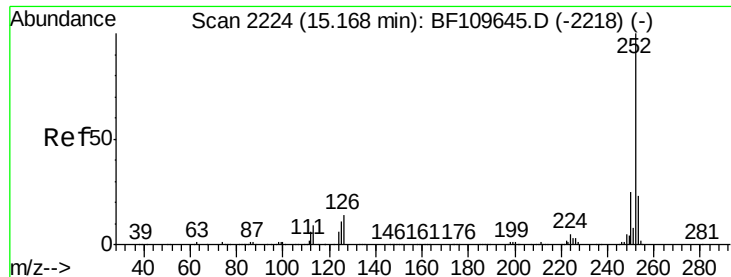
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.2	25.8
125	11.4	8.2	12.4



#88
Benzo(k)fluoranthene
Concen: 7.922 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.2	25.8
125	11.4	7.4	11.0#





#89

Benzo(a)pyrene

Concen: 2.891 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Instrument :

BNA_F

ClientSampleId :

331-CON

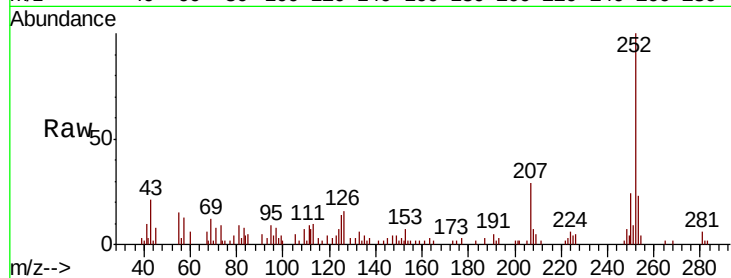
Tgt Ion:252 Resp: 23813

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.4

125 13.6 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

