

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101018\
 Data File : BF109757.D
 Acq On : 10 Oct 2018 22:09
 Operator : JU/SJ
 Sample : J5200-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-B

Quant Time: Oct 11 05:48:27 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

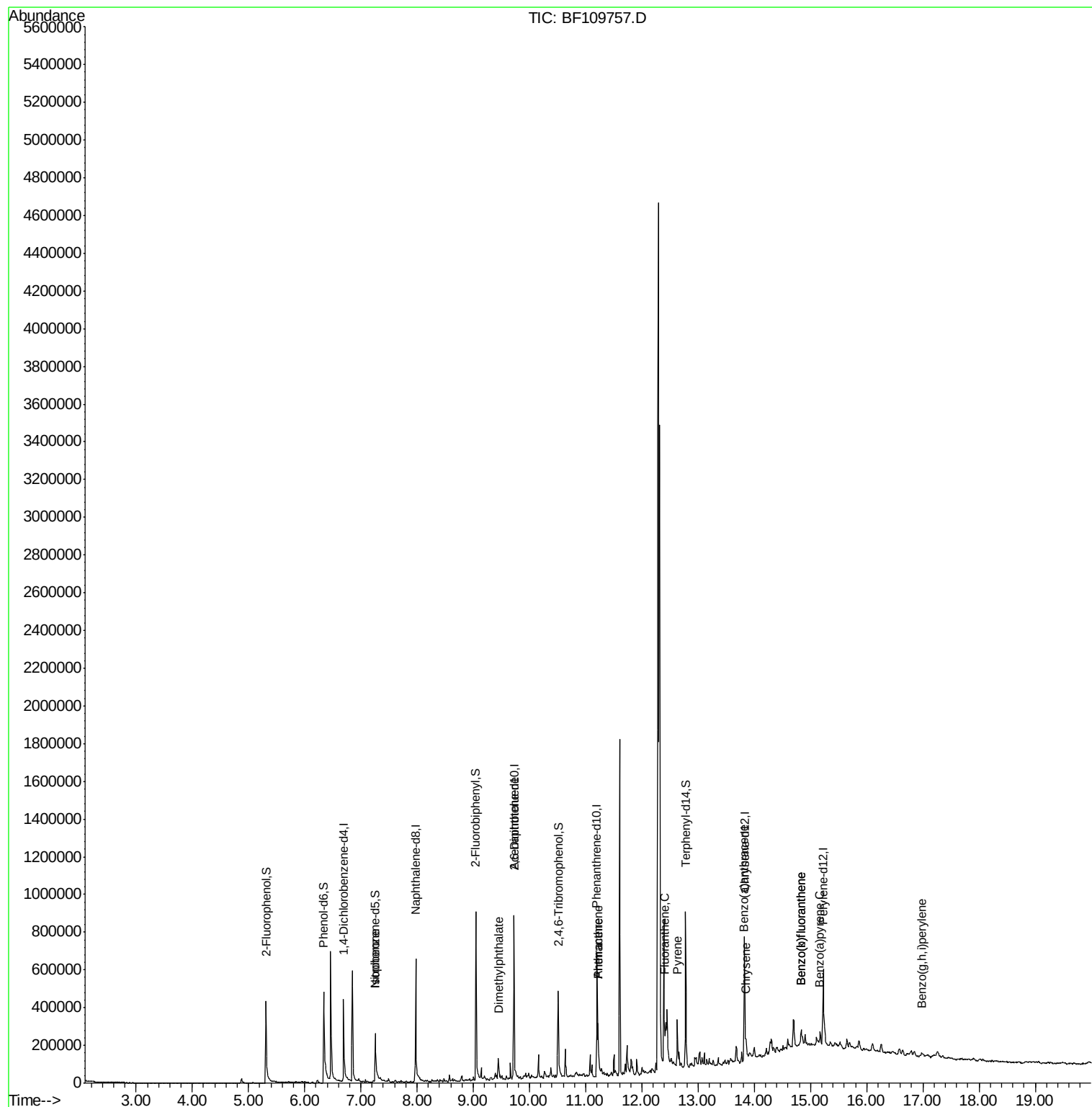
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	82987	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	358895	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	174238	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	312222	20.00	ng	0.00
75) Chrysene-d12	13.83	240	227458	20.00	ng	0.00
86) Perylene-d12	15.23	264	217955	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	170034	36.37	ng	-0.01
7) Phenol-d6	6.34	99	265731	42.55	ng	-0.02
23) Nitrobenzene-d5	7.26	82	168998	25.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	69812	36.77	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	346151	27.36	ng	-0.01
78) Terphenyl-d14	12.78	244	280292	23.85	ng	0.00
Target Compounds						
25) Isophorone	7.26	82	168997	15.631	ng	Qvalue # 67
49) Dimethylphthalate	9.45	163	45376	3.551	ng	99
50) 2,6-Dinitrotoluene	9.72	165	23157	8.360	ng	# 23
70) Phenanthrene	11.22	178	109105	6.983	ng	98
71) Anthracene	11.22	178	109105	6.755	ng	98
74) Fluoranthene	12.41	202	110028	6.741	ng	99
77) Pyrene	12.63	202	113952	6.838	ng	98
80) Benzo(a)anthracene	13.82	228	40730	3.245	ng	95
82) Chrysene	13.85	228	46722	3.544	ng	96
87) Benzo(b)fluoranthene	14.83	252	59362	4.929	ng	# 94
88) Benzo(k)fluoranthene	14.83	252	59362	4.905	ng	# 93
89) Benzo(a)pyrene	15.17	252	34748	3.179	ng	# 91
91) Benzo(g,h,i)perylene	16.98	276	21569	2.406	ng	92

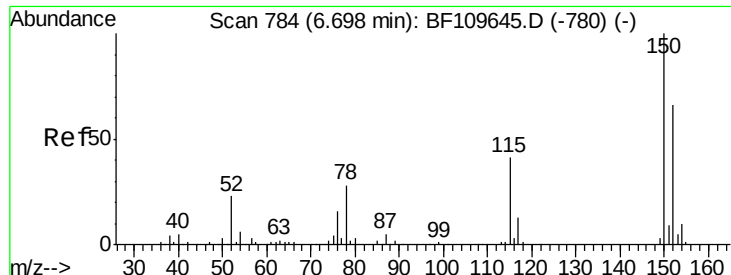
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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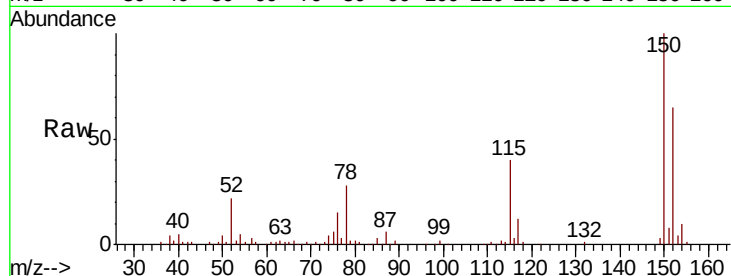




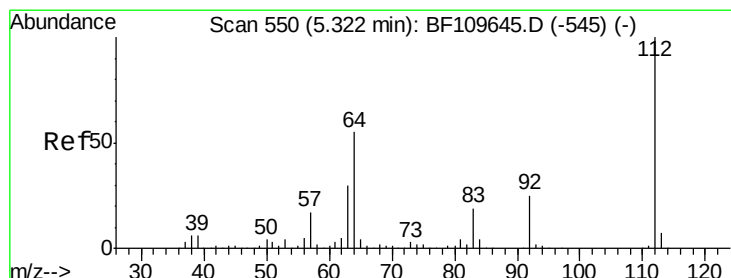
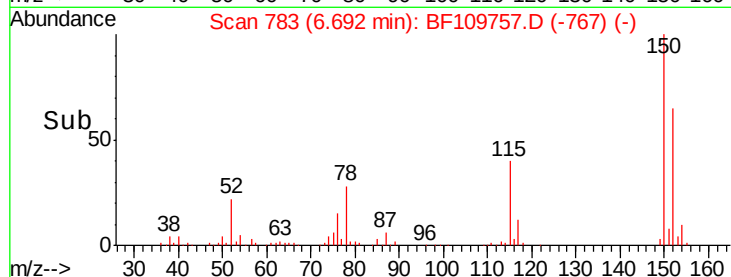
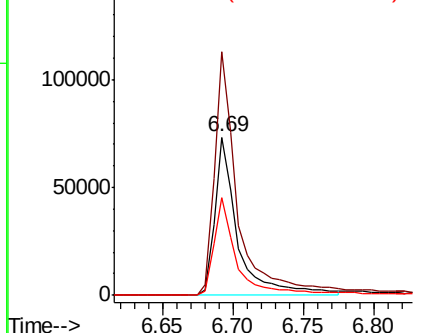
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF109757.D
 Acq: 10 Oct 2018 22:09

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-B

Tgt Ion:152 Resp: 82987
 Ion Ratio Lower Upper
 152 100
 150 153.9 122.7 184.1
 115 61.8 49.1 73.7

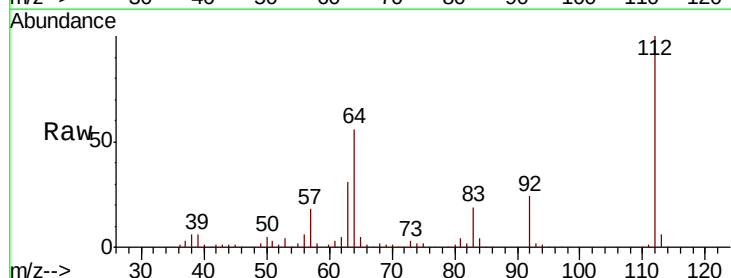


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

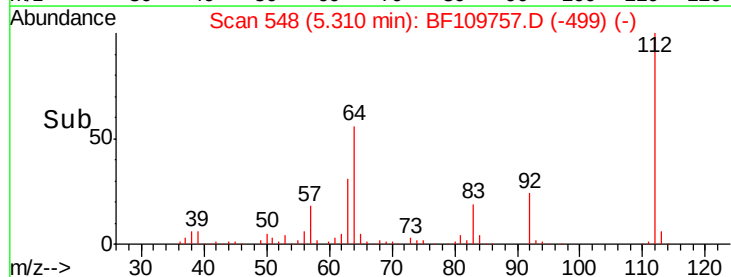
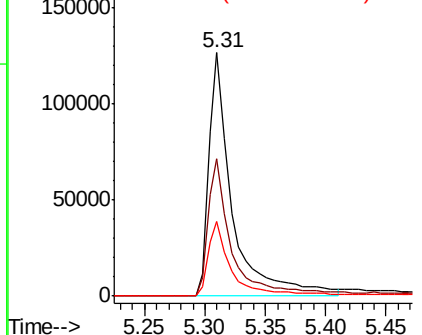


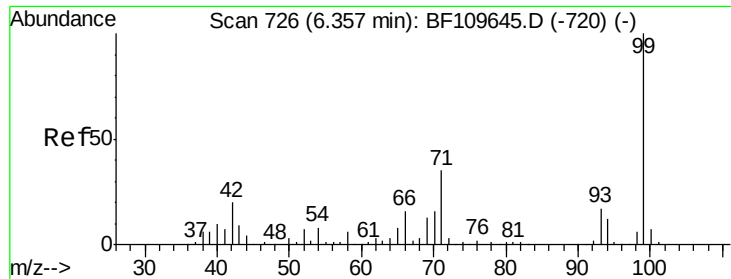
#5
 2-Fluorophenol
 Concen: 36.369 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109757.D
 Acq: 10 Oct 2018 22:09

Tgt Ion:112 Resp: 170034
 Ion Ratio Lower Upper
 112 100
 64 56.2 44.1 66.1
 63 30.5 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: 42.547 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109757.D

Acq: 10 Oct 2018 22:09

Instrument :

BNA_F

ClientSampleId :

OR-03-100818-B

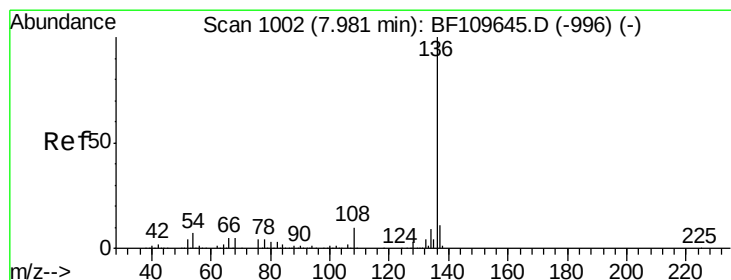
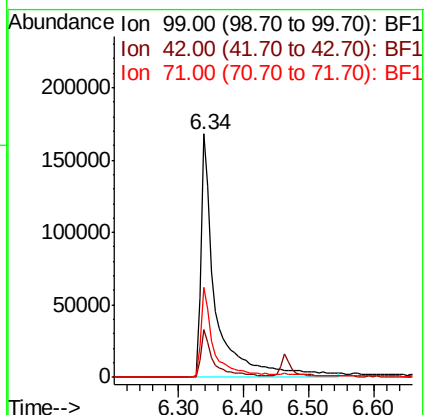
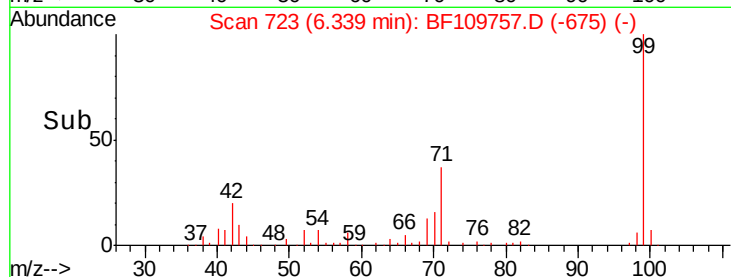
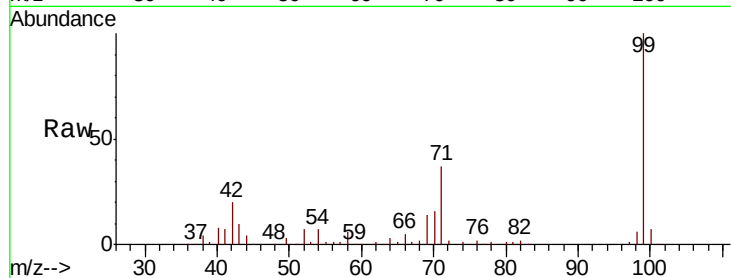
Tgt Ion: 99 Resp: 265731

Ion Ratio Lower Upper

99 100

42 19.7 15.8 23.6

71 37.0 28.0 42.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109757.D

Acq: 10 Oct 2018 22:09

Tgt Ion: 136 Resp: 358895

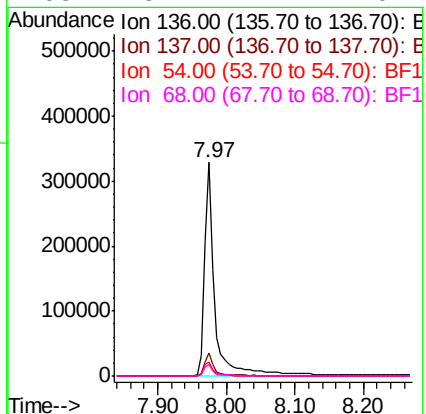
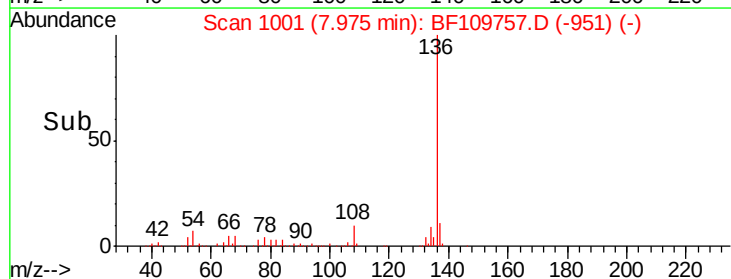
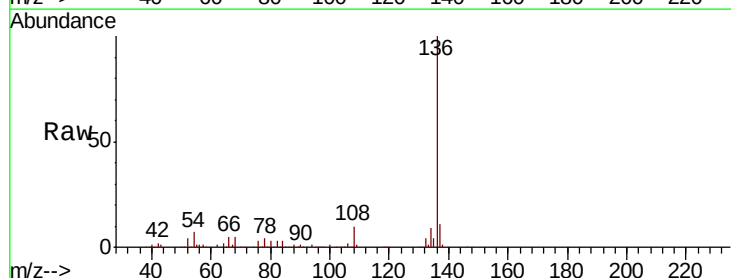
Ion Ratio Lower Upper

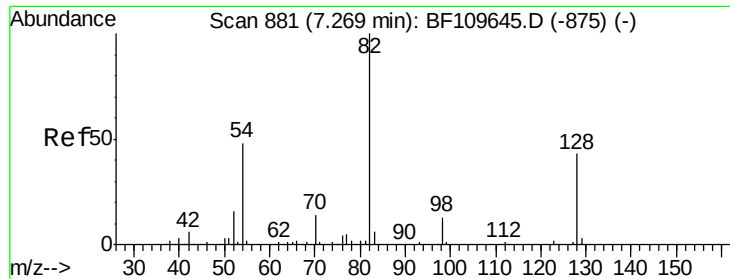
136 100

137 10.7 8.8 13.2

54 6.7 5.4 8.2

68 5.1 4.2 6.2

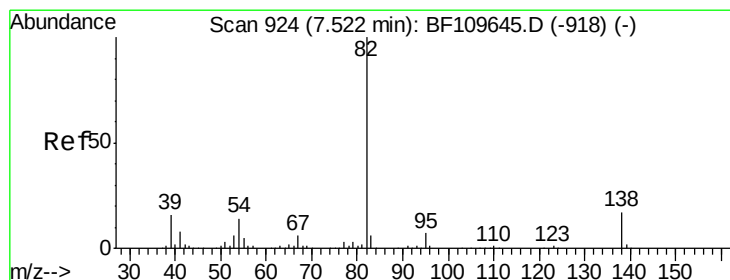
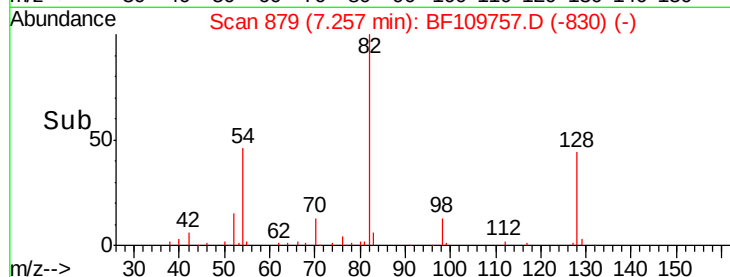
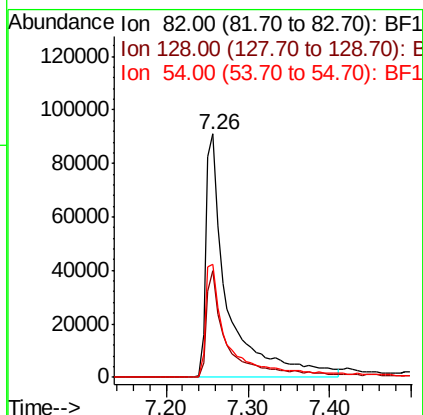
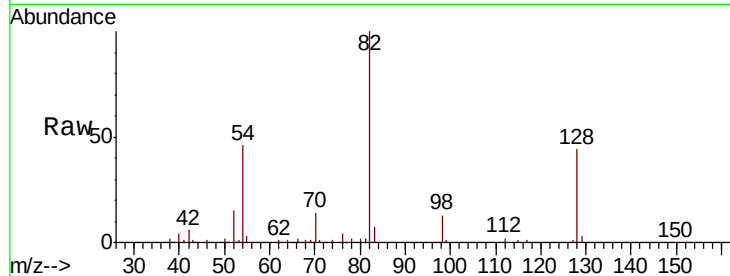




#23
 Nitrobenzene-d5
 Concen: 25.957 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF109757.D
 Acq: 10 Oct 2018 22:09

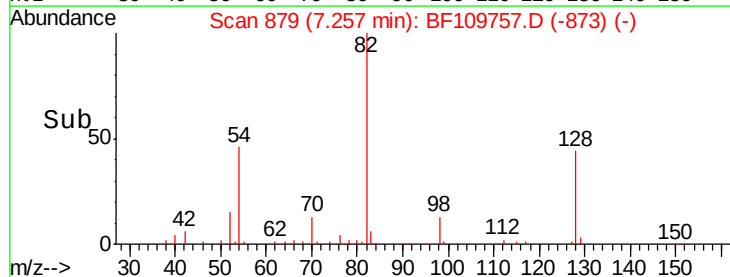
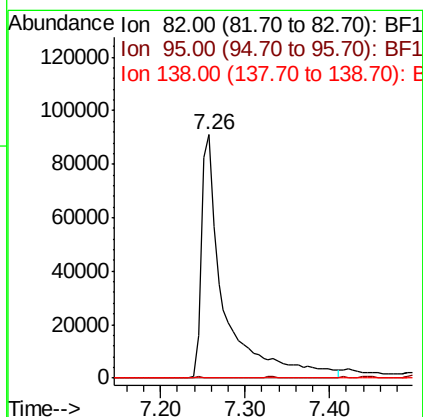
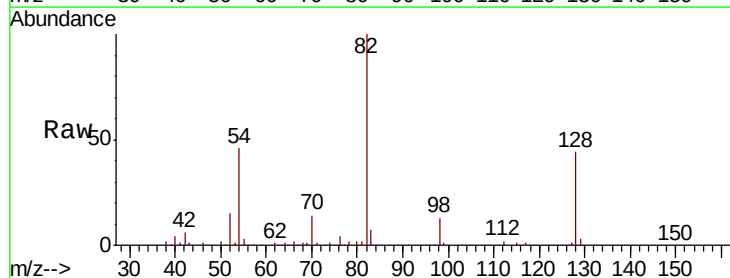
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-B

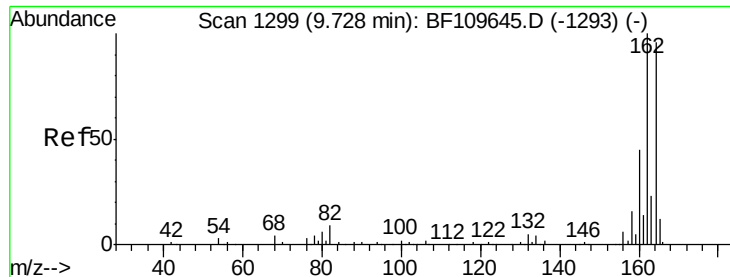
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.2	51.2
54	46.3	38.6	58.0



#25
 Isophorone
 Concen: 15.631 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.26 min
 Lab File: BF109757.D
 Acq: 10 Oct 2018 22:09

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

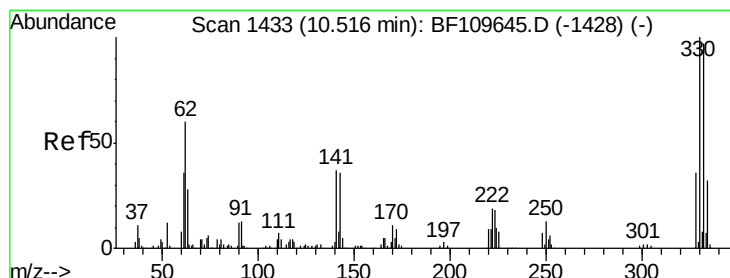
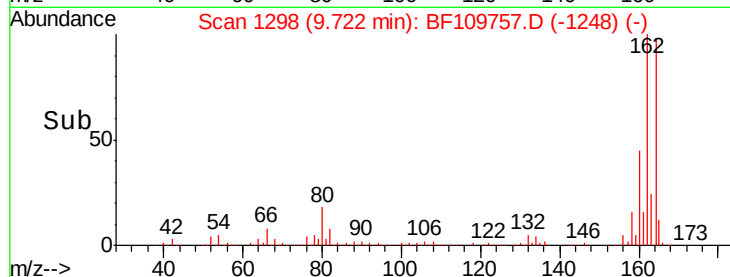
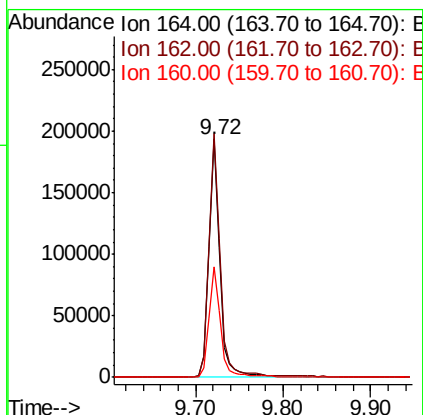
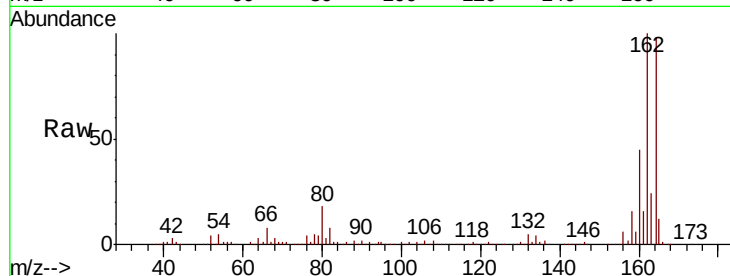




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109757.D
 Acq: 10 Oct 2018 22:09

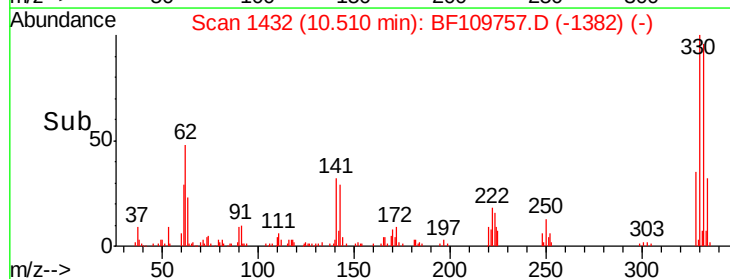
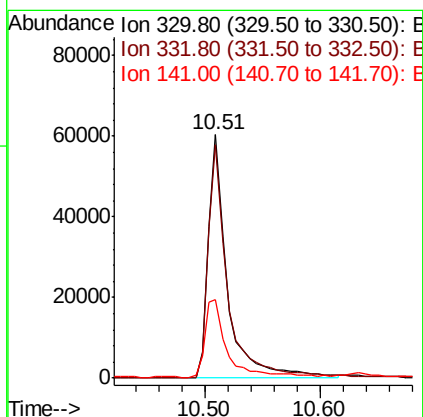
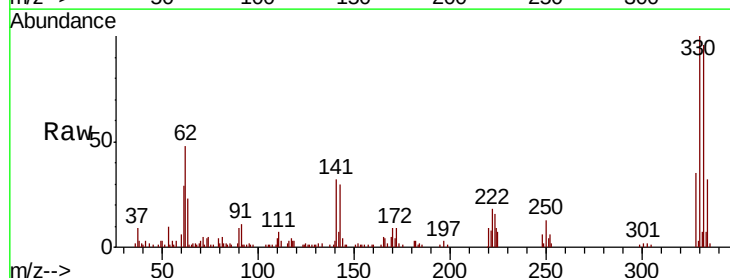
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-B

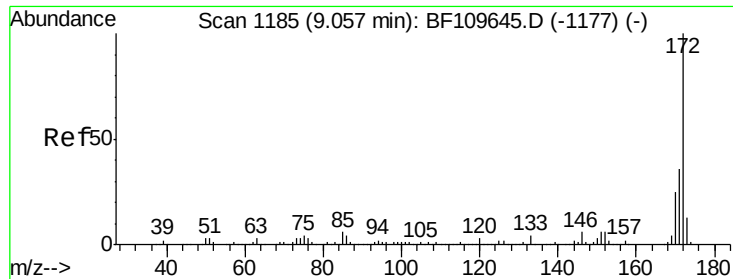
Tgt Ion:164 Resp: 174238
 Ion Ratio Lower Upper
 164 100
 162 102.4 83.0 124.6
 160 46.3 37.0 55.6



#41
 2,4,6-Tribromophenol
 Concen: 36.772 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109757.D
 Acq: 10 Oct 2018 22:09

Tgt Ion:330 Resp: 69812
 Ion Ratio Lower Upper
 330 100
 332 100.2 77.1 115.7
 141 38.8 27.0 40.4

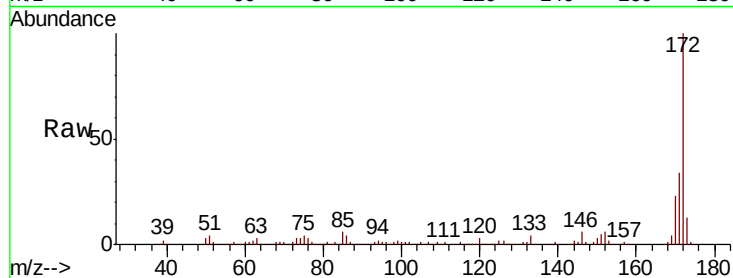




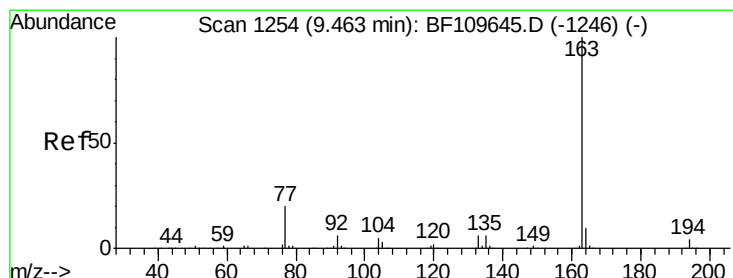
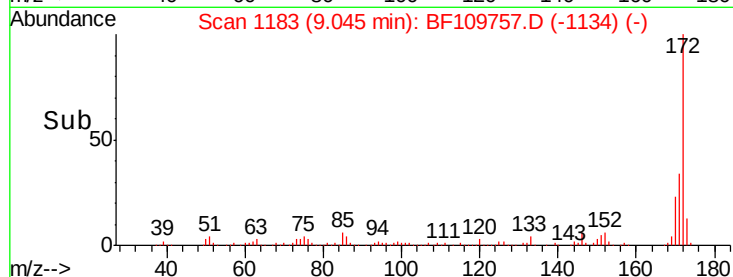
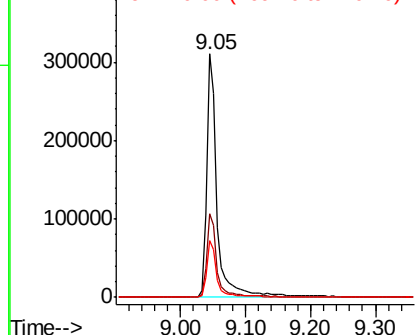
#44
2-Fluorobiphenyl
Concen: 27.361 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF109757.D
Acq: 10 Oct 2018 22:09

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-B

Tgt Ion:172 Resp: 346151
Ion Ratio Lower Upper
172 100
171 34.4 28.6 43.0
170 23.4 19.7 29.5

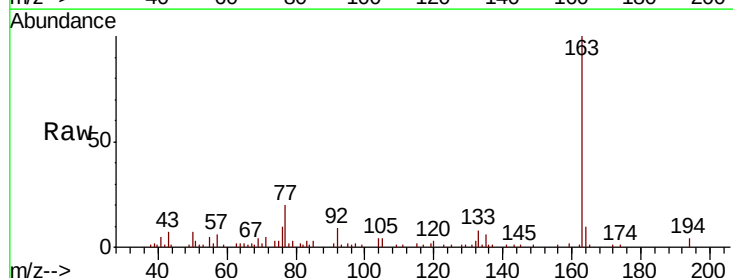


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

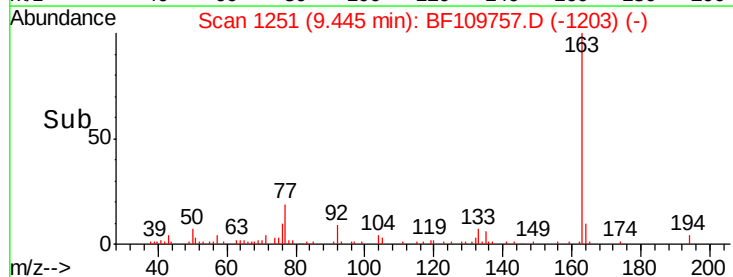
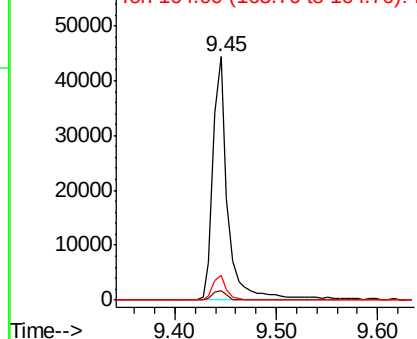


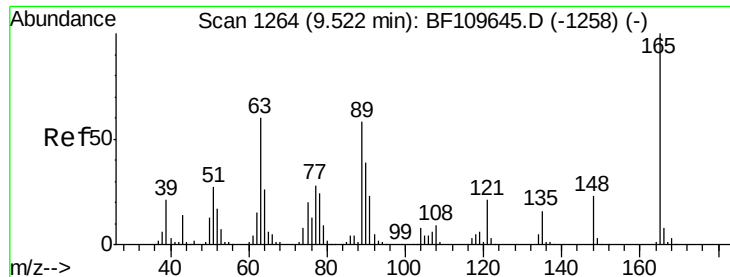
#49
Dimethylphthalate
Concen: 3.551 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109757.D
Acq: 10 Oct 2018 22:09

Tgt Ion:163 Resp: 45376
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.3 8.1 12.1



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





#50

2,6-Dinitrotoluene

Concen: 8.360 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.20 min

Lab File: BF109757.D

Acq: 10 Oct 2018 22:09

Instrument :

BNA_F

ClientSampleId :

OR-03-100818-B

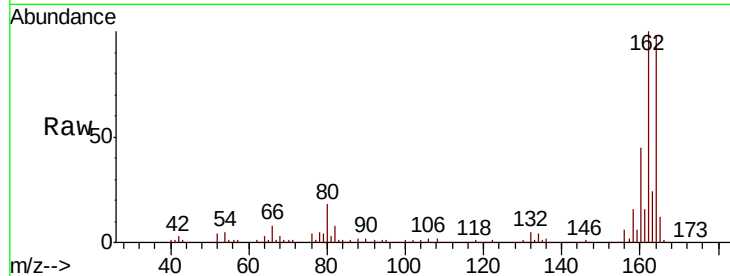
Tgt Ion:165 Resp: 23157

Ion Ratio Lower Upper

165 100

63 1.8 48.9 73.3#

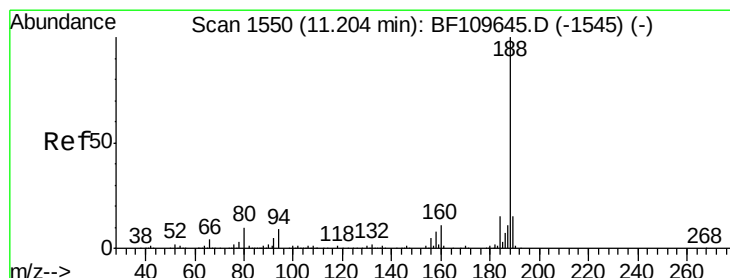
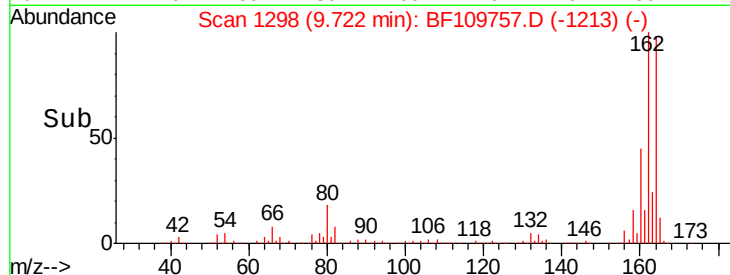
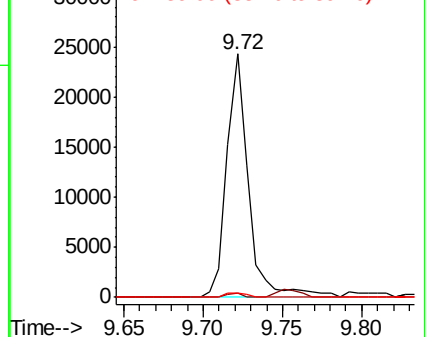
89 1.9 46.6 69.8#



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF109757.D

Acq: 10 Oct 2018 22:09

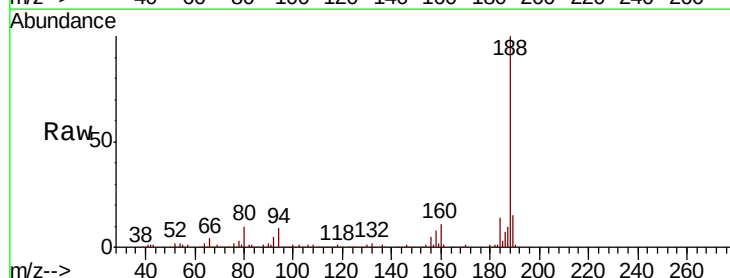
Tgt Ion:188 Resp: 312222

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

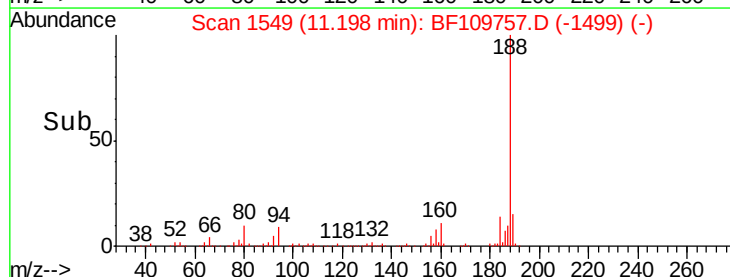
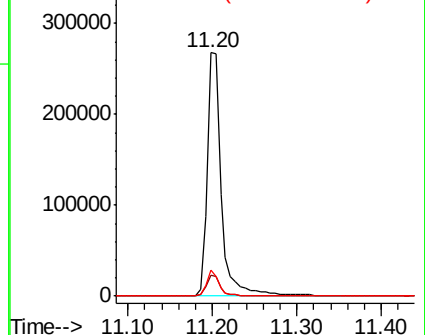
80 10.4 7.9 11.9

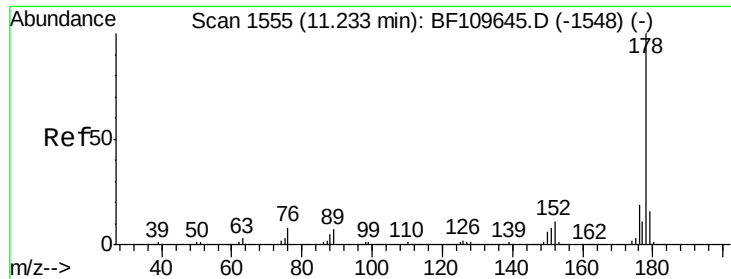


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

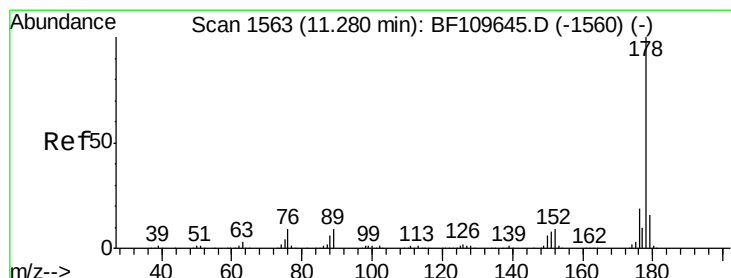
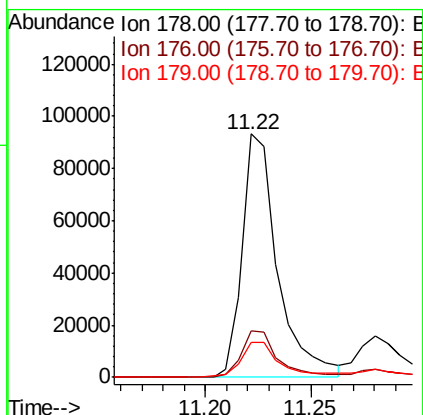
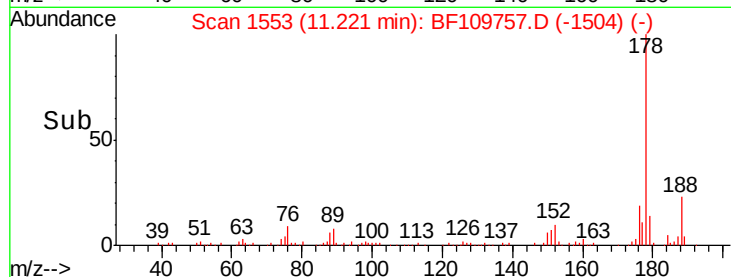
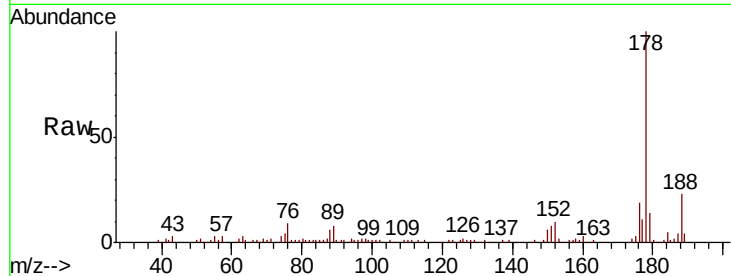




#70
Phenanthrene
Concen: 6.983 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109757.D
Acq: 10 Oct 2018 22:09

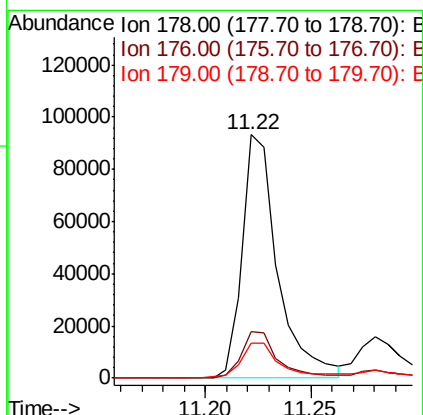
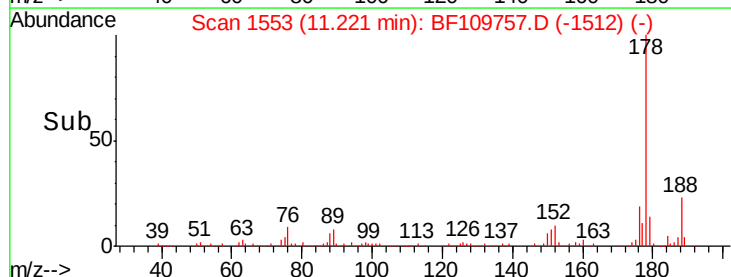
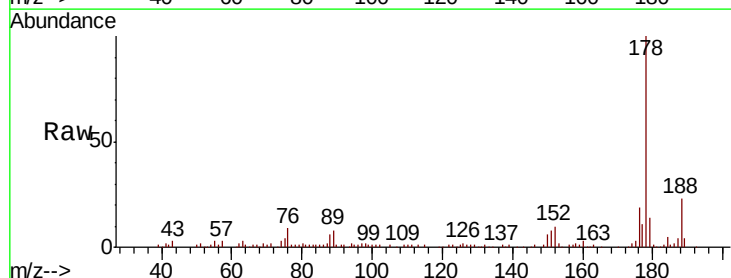
Instrument :
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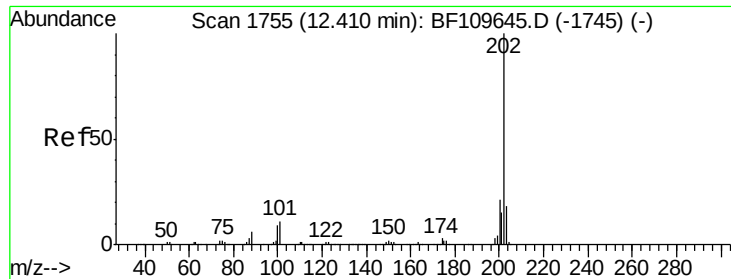
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	14.2	12.5	18.7



#71
Anthracene
Concen: 6.755 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.06 min
Lab File: BF109757.D
Acq: 10 Oct 2018 22:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	14.2	12.6	18.8

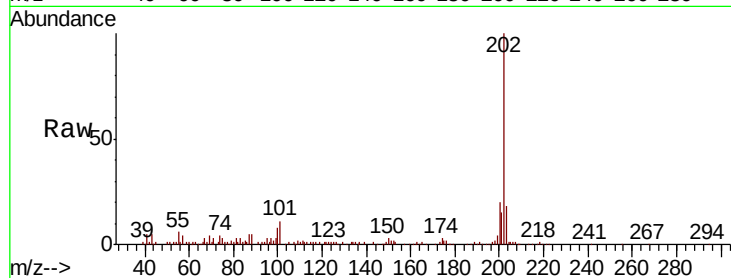




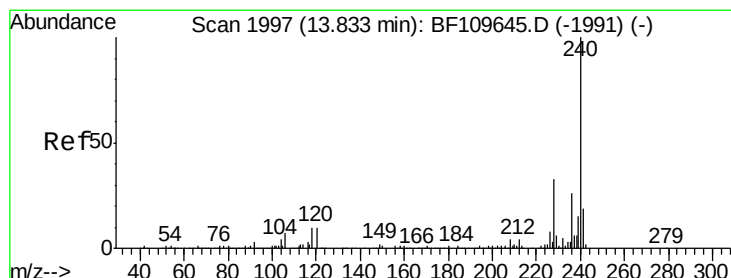
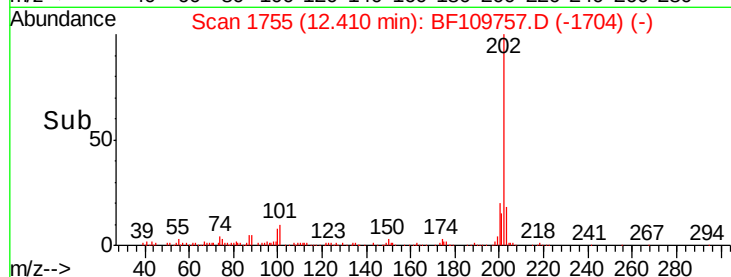
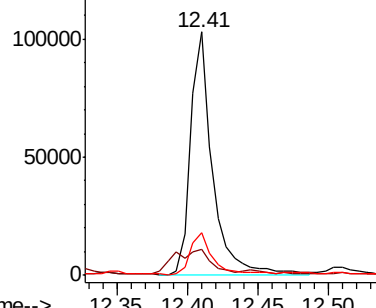
#74
 Fluoranthene
 Concen: 6.741 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BF109757.D
 Acq: 10 Oct 2018 22:09

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-B

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.4
203	17.6	0.0	37.7

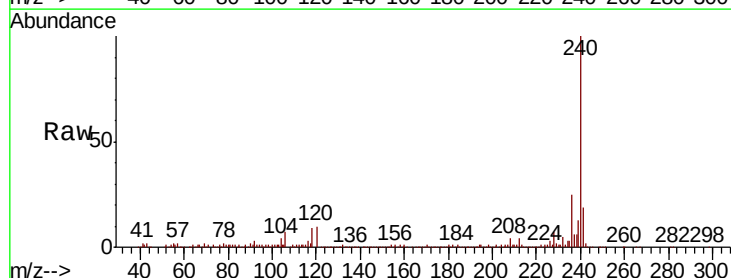


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

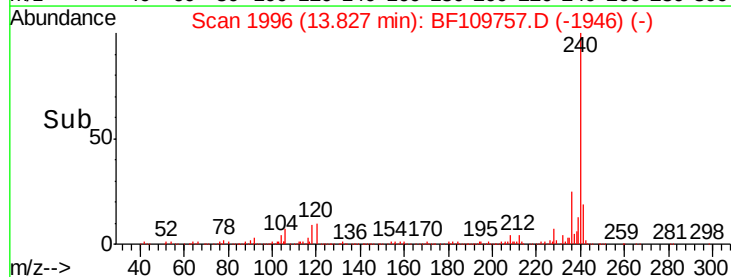
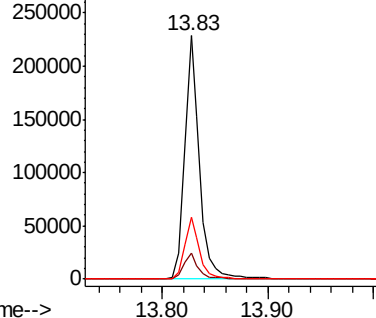


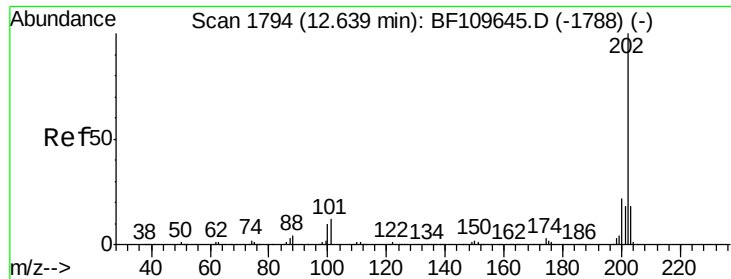
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109757.D
 Acq: 10 Oct 2018 22:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.3	12.5
236	25.4	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

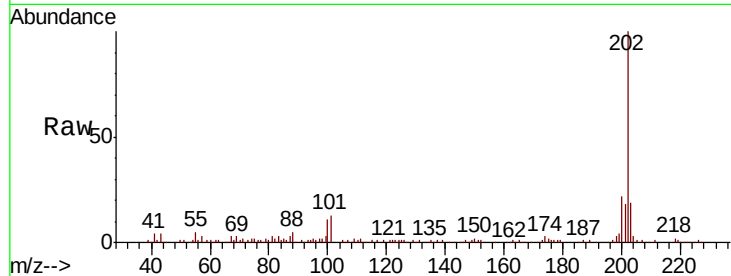




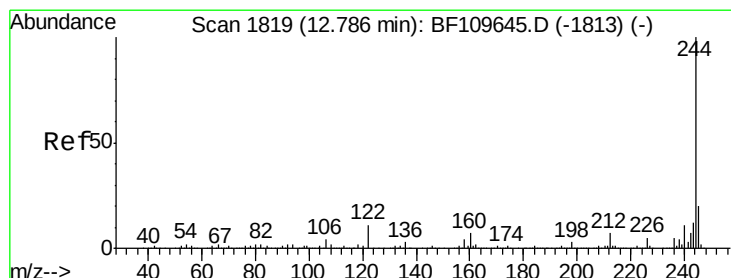
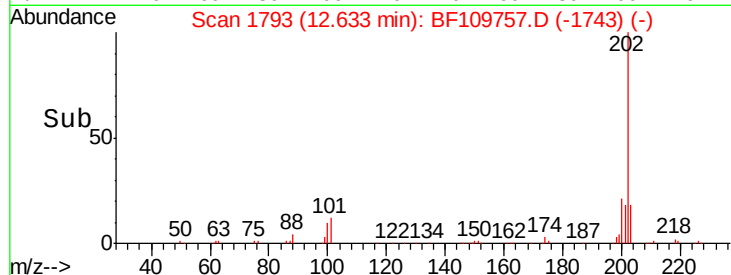
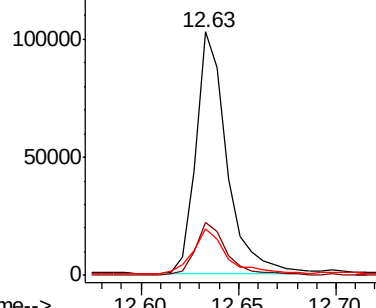
#77
 Pyrene
 Concen: 6.838 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF109757.D
 Acq: 10 Oct 2018 22:09

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-B

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.6
203	18.9	14.2	21.4

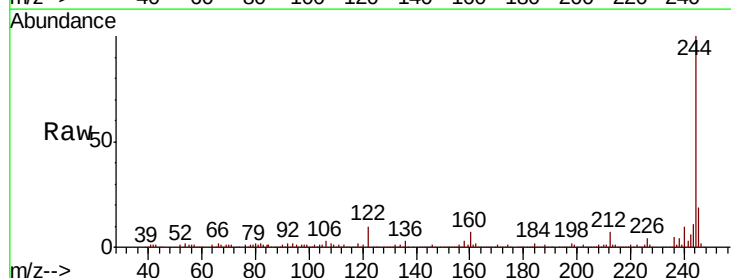


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

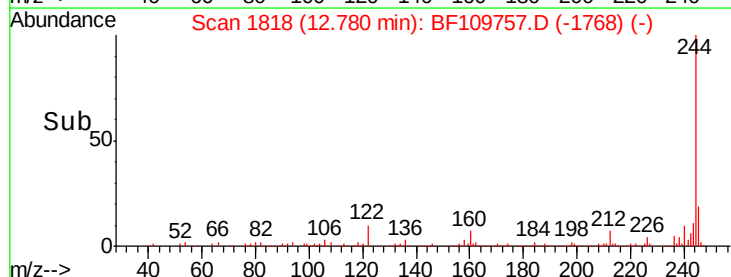
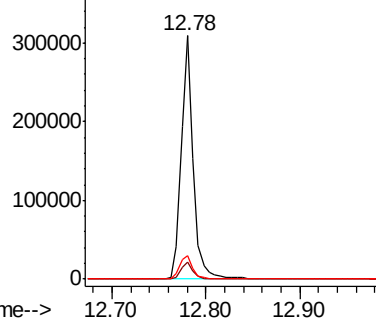


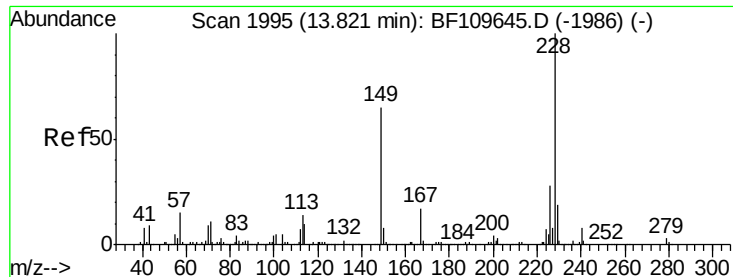
#78
 Terphenyl-d14
 Concen: 23.855 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109757.D
 Acq: 10 Oct 2018 22:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	9.7	8.7	13.1



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: 3.245 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF109757.D

Acq: 10 Oct 2018 22:09

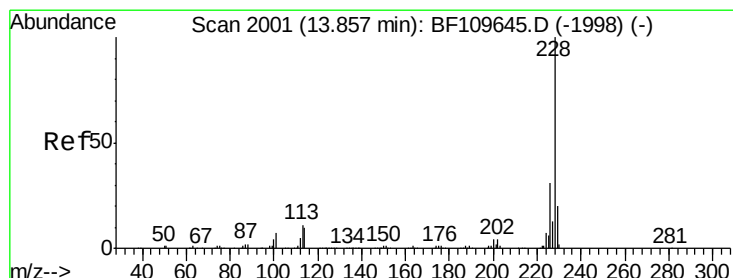
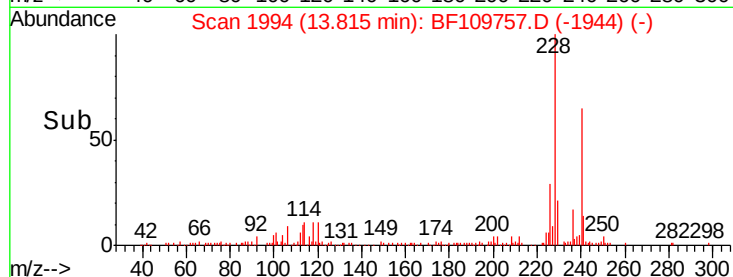
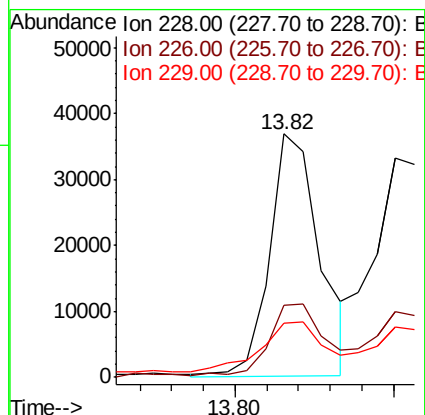
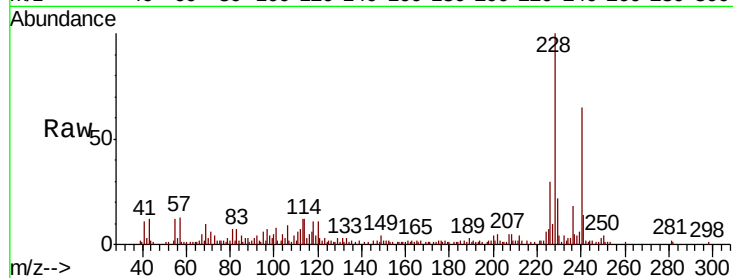
Instrument :

BNA_F

ClientSampleId :

OR-03-100818-B

Tgt Ion:	228	Resp:	40730
Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.1	33.1
229	22.1	15.6	23.4



#82

Chrysene

Concen: 3.544 ng

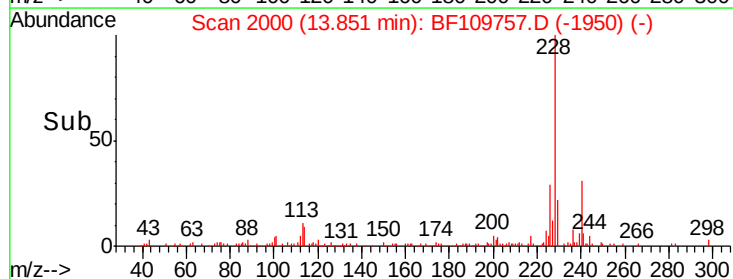
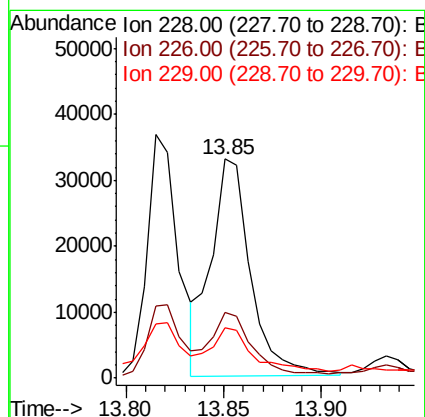
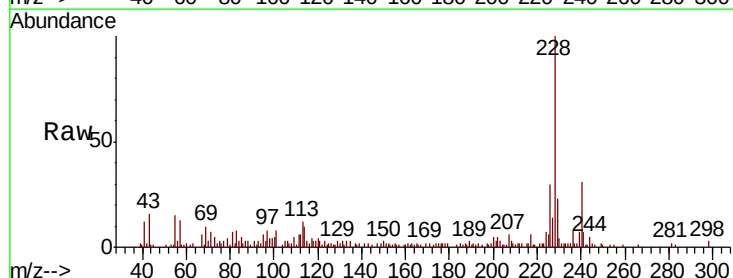
RT: 13.85 min Scan# 2000

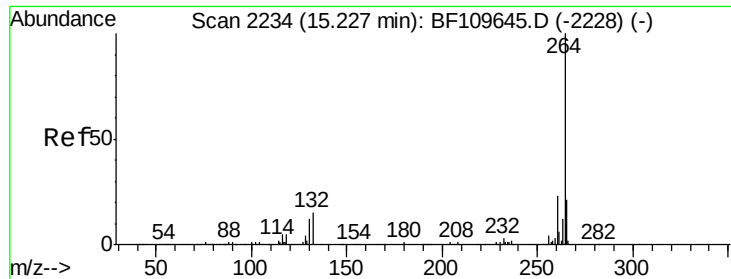
Delta R.T. -0.01 min

Lab File: BF109757.D

Acq: 10 Oct 2018 22:09

Tgt Ion:	228	Resp:	46722
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.7	37.1
229	23.3	15.9	23.9

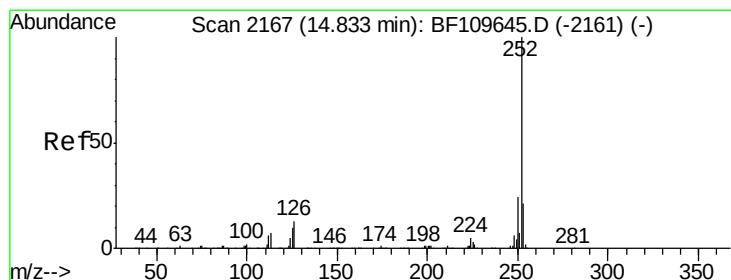
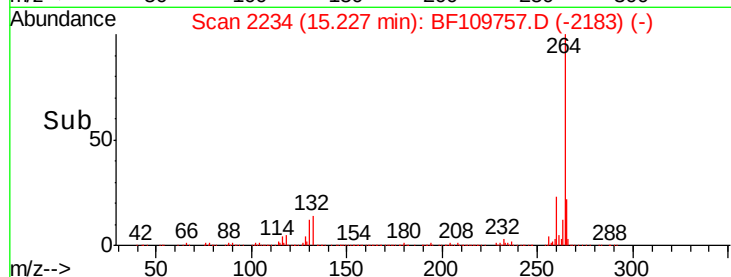
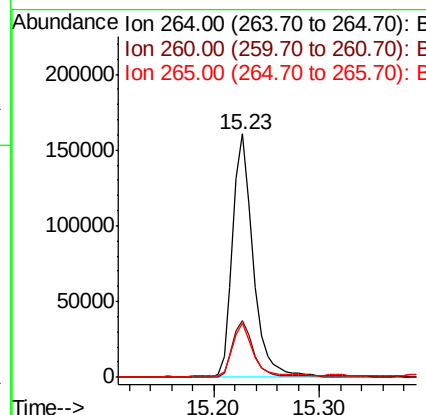
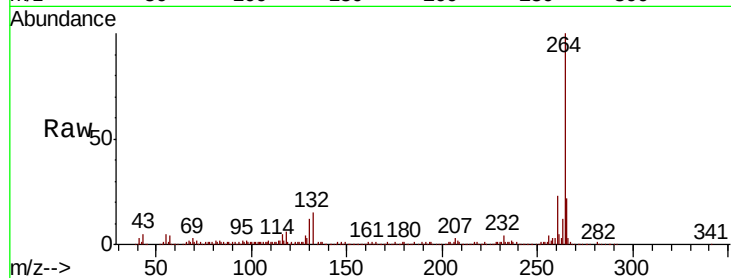




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF109757.D
Acq: 10 Oct 2018 22:09

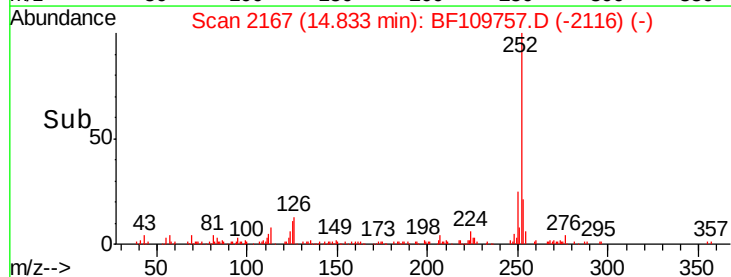
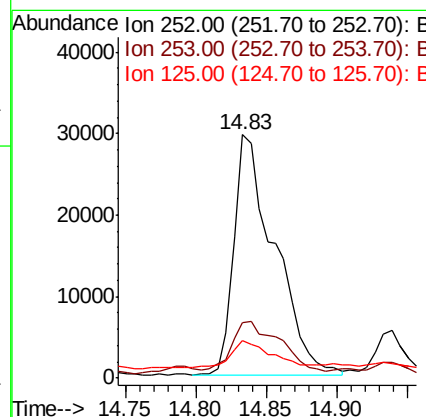
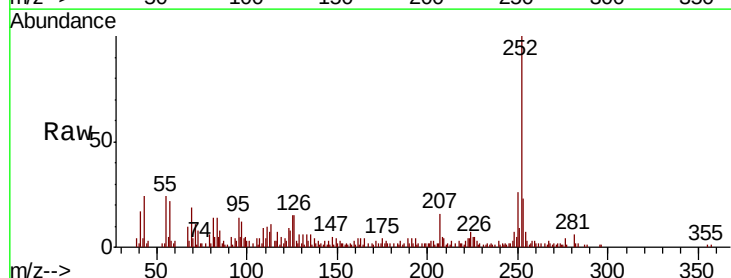
Instrument :
BNA_F
ClientSampleId :
OR-03-100818-B

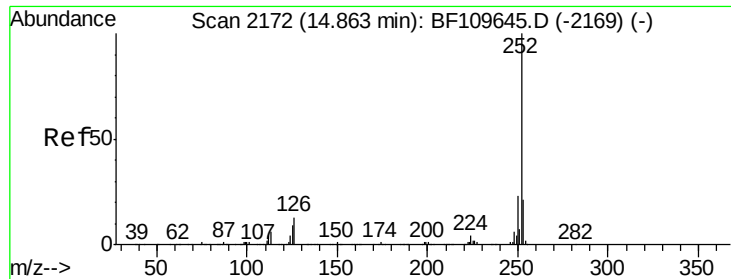
Tgt Ion:264 Resp: 217955
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 22.0 16.7 25.1



#87
Benzo(b)fluoranthene
Concen: 4.929 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BF109757.D
Acq: 10 Oct 2018 22:09

Tgt Ion:252 Resp: 59362
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 15.4 8.2 12.4#

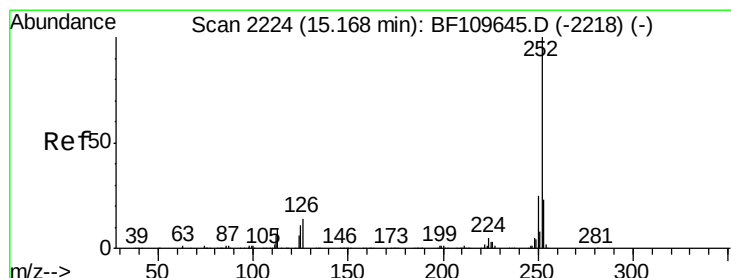
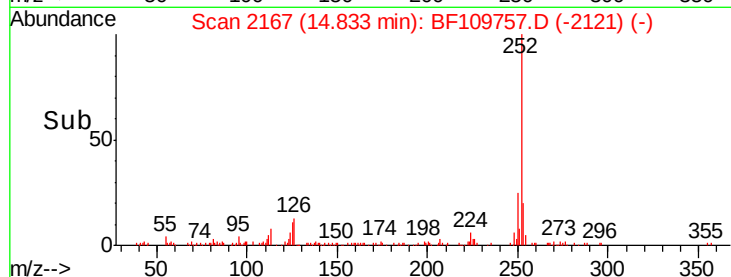
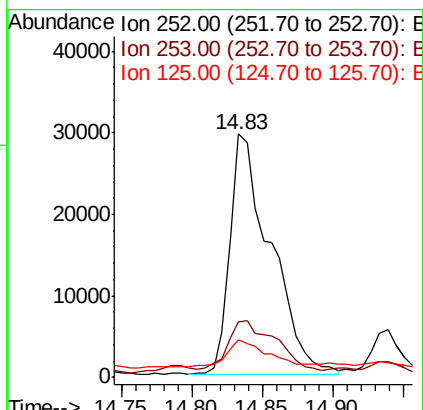
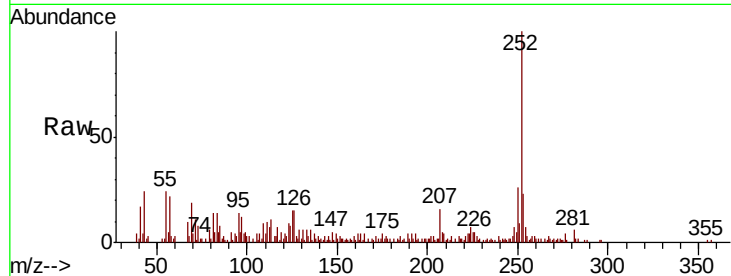




#88
Benzo(k)fluoranthene
Concen: 4.905 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109757.D
Acq: 10 Oct 2018 22:09

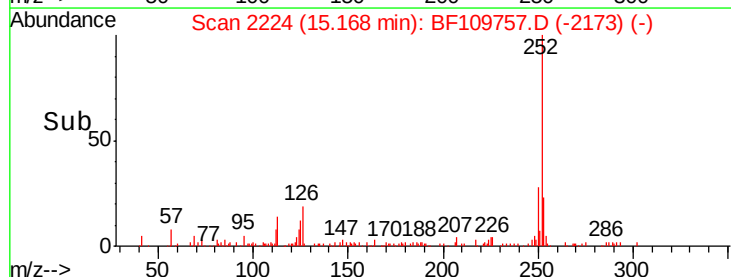
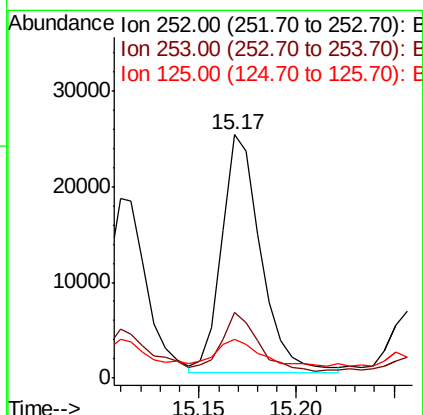
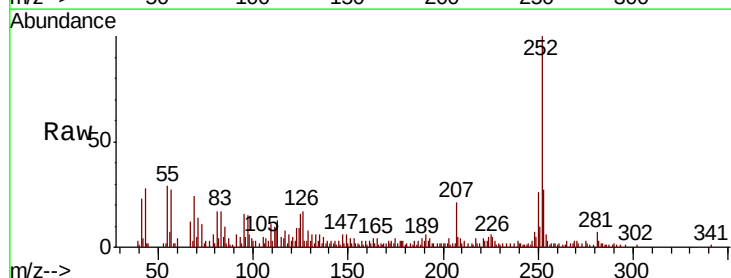
Instrument :
BNA_F
ClientSampleId :
OR-03-100818-B

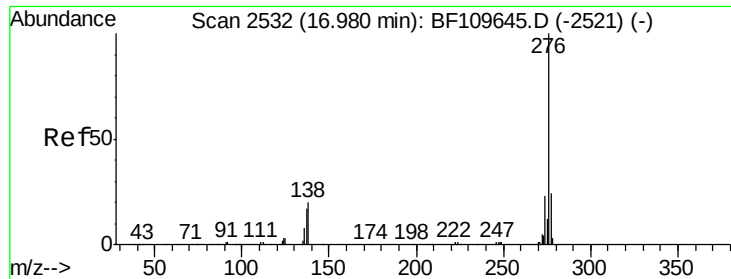
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	15.4	7.4	11.0



#89
Benzo(a)pyrene
Concen: 3.179 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF109757.D
Acq: 10 Oct 2018 22:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.2	27.4
125	15.8	9.0	13.6





#91

Benzo(g,h,i)perylene

Concen: 2.406 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.00 min

Lab File: BF109757.D

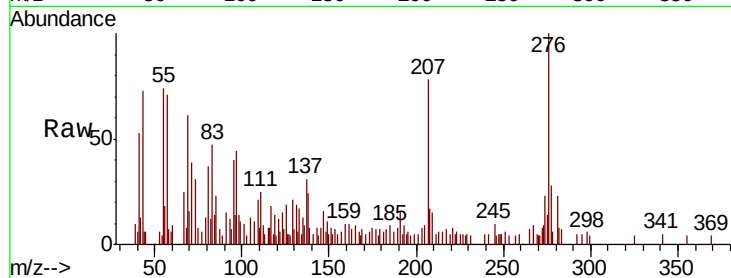
Acq: 10 Oct 2018 22:09

Instrument :

BNA_F

ClientSampleId :

OR-03-100818-B



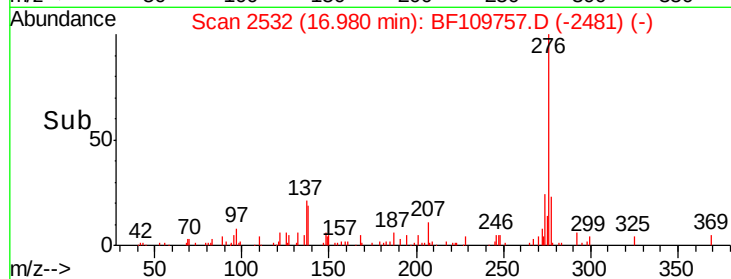
Tgt Ion: 276 Resp: 21569

Ion Ratio Lower Upper

276 100

277 27.9 18.8 28.2

138 23.6 16.0 24.0



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

