

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100918\
 Data File : BF109703.D
 Acq On : 9 Oct 2018 19:03
 Operator : JU/SJ
 Sample : J5201-03 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-B

Quant Time: Oct 10 03:06:43 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	74541	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	308951	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	132698	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	218532	20.00	ng	0.00
75) Chrysene-d12	13.83	240	210212	20.00	ng	0.00
86) Perylene-d12	15.23	264	206674	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	174165	41.47	ng	-0.01
7) Phenol-d6	6.34	99	280685	50.03	ng	-0.02
23) Nitrobenzene-d5	7.26	82	176340	31.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	53787	37.20	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	284118	29.49	ng	0.00
78) Terphenyl-d14	12.78	244	203807	18.77	ng	0.00

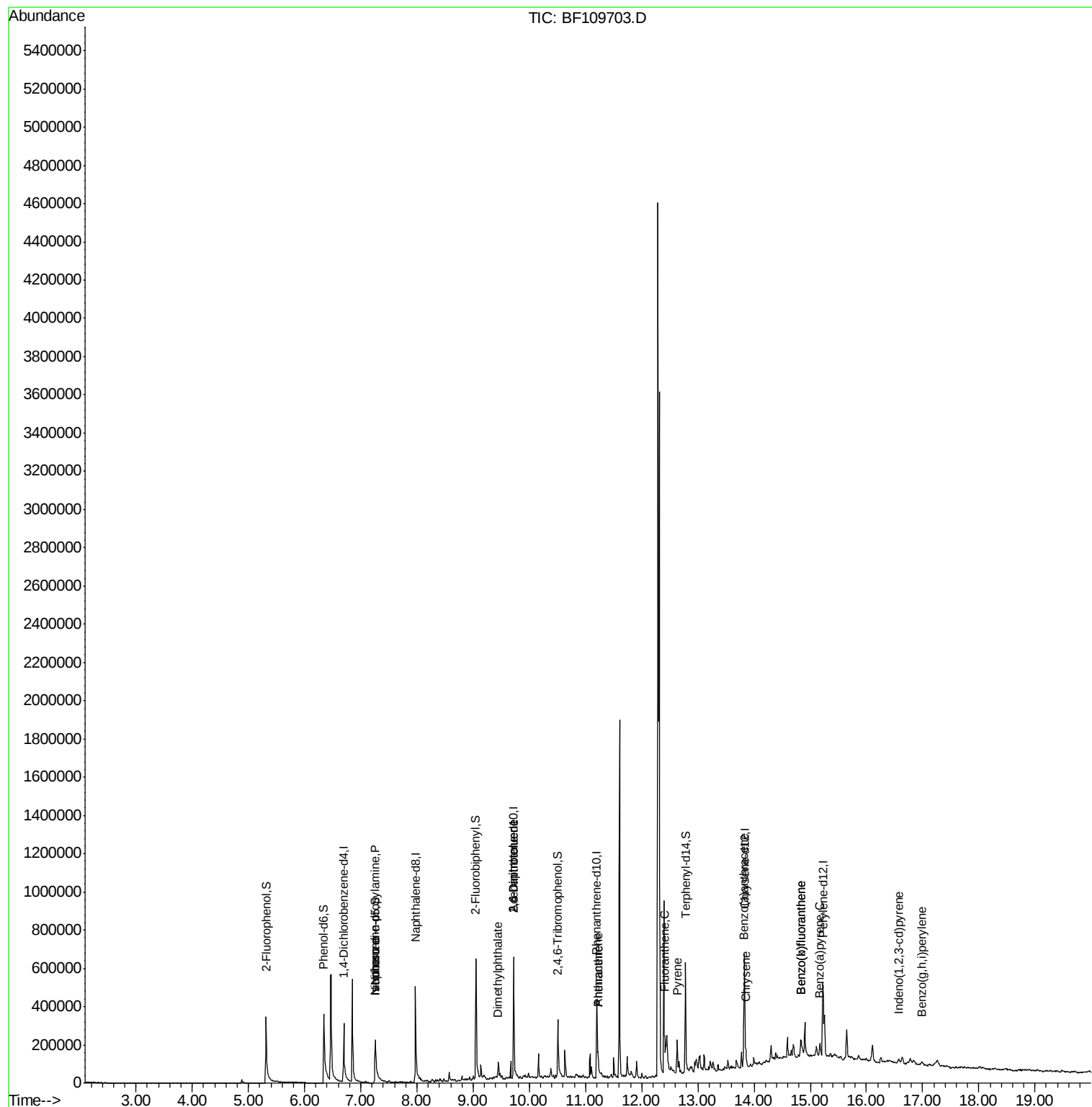
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	23281	5.918	ng	# 76
25) Isophorone	7.26	82	176340	18.947	ng	# 67
49) Dimethylphthalate	9.45	163	33370	3.429	ng	100
50) 2,6-Dinitrotoluene	9.72	165	17809	8.442	ng	# 24
56) 2,4-Dinitrotoluene	9.72	165	17809	6.765	ng	# 20
70) Phenanthrene	11.23	178	44596	4.078	ng	99
71) Anthracene	11.23	178	44596	3.945	ng	99
74) Fluoranthene	12.41	202	90256	7.900	ng	99
77) Pyrene	12.63	202	80206	5.208	ng	97
80) Benzo(a)anthracene	13.82	228	44237	3.813	ng	97
82) Chrysene	13.85	228	40570	3.330	ng	98
85) Indeno(1,2,3-cd)pyrene	16.57	276	19959	2.288	ng	# 93
87) Benzo(b)fluoranthene	14.83	252	70034	6.132	ng	# 91
88) Benzo(k)fluoranthene	14.83	252	70034	6.103	ng	# 90
89) Benzo(a)pyrene	15.17	252	38372	3.702	ng	97
91) Benzo(g,h,i)perylene	16.98	276	20070	2.361	ng	94

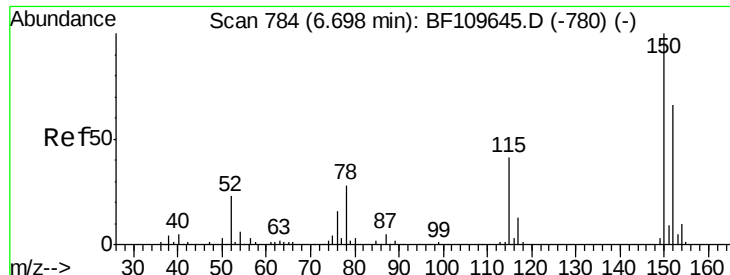
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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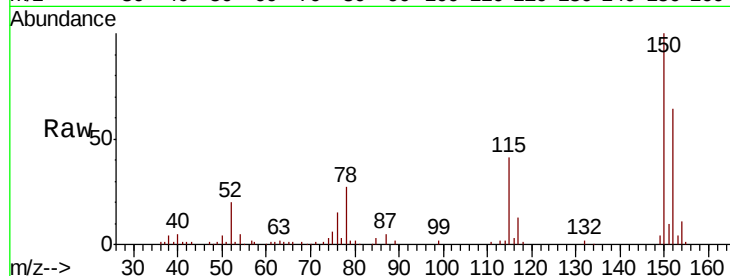




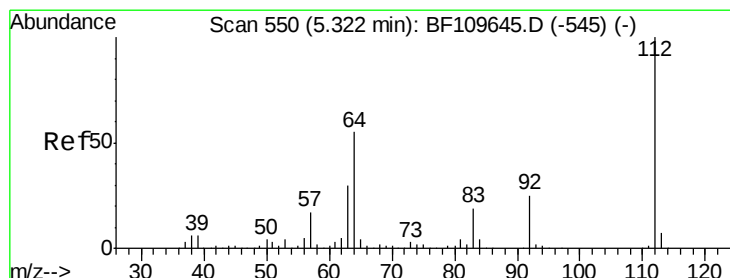
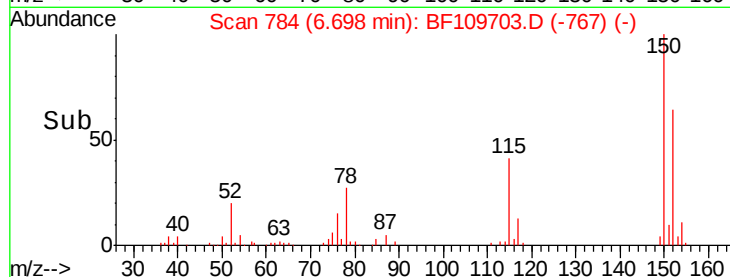
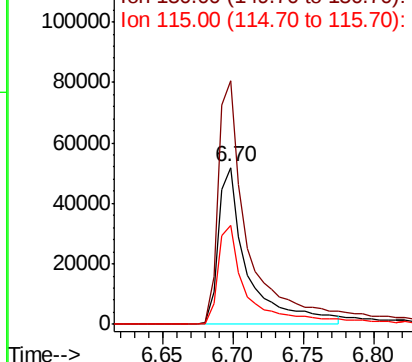
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF109703.D
 Acq: 9 Oct 2018 19:03

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-B

Tgt Ion:152 Resp: 74541
 Ion Ratio Lower Upper
 152 100
 150 155.3 122.7 184.1
 115 63.2 49.1 73.7

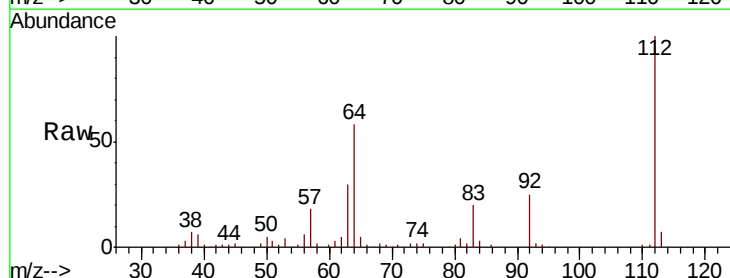


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

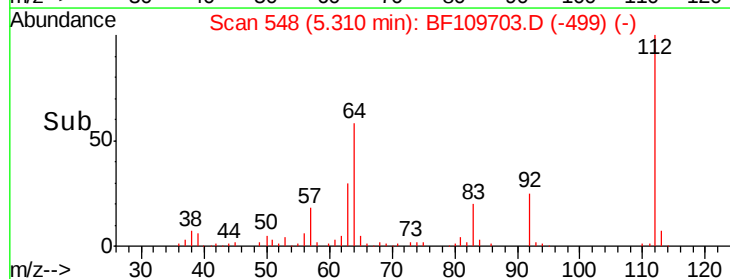
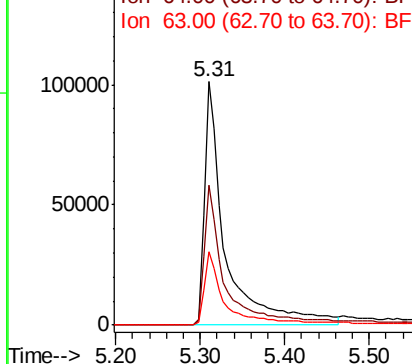


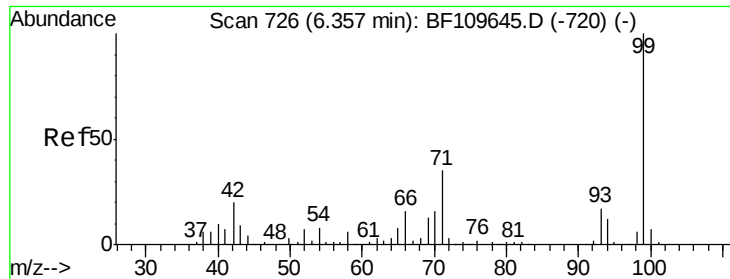
#5
 2-Fluorophenol
 Concen: 41.474 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109703.D
 Acq: 9 Oct 2018 19:03

Tgt Ion:112 Resp: 174165
 Ion Ratio Lower Upper
 112 100
 64 57.5 44.1 66.1
 63 30.3 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: 50.033 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109703.D

Acq: 9 Oct 2018 19:03

Instrument :

BNA_F

ClientSampleId :

EO-02-100818-B

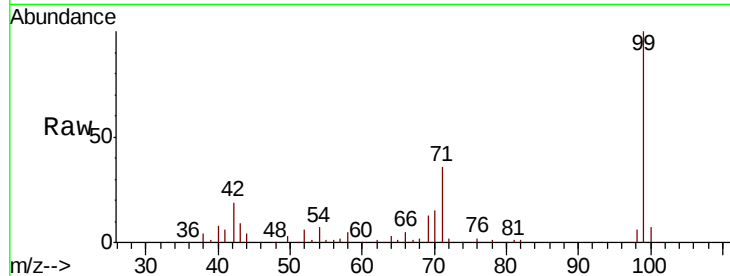
Tgt Ion: 99 Resp: 280685

Ion Ratio Lower Upper

99 100

42 18.8 15.8 23.6

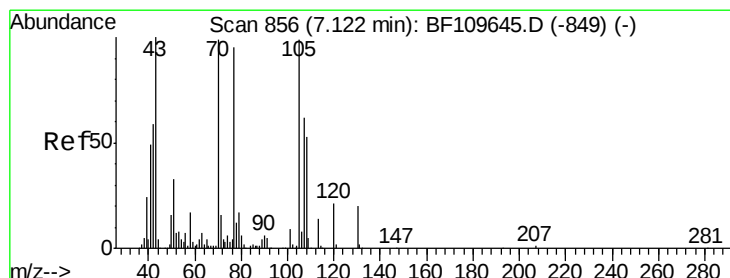
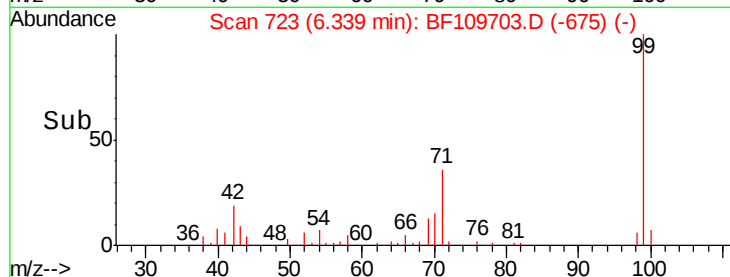
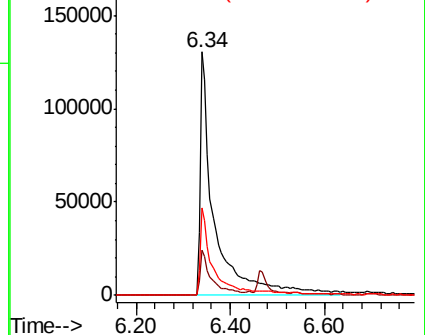
71 35.7 28.0 42.0



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: 5.918 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109703.D

Acq: 9 Oct 2018 19:03

Tgt Ion: 70 Resp: 23281

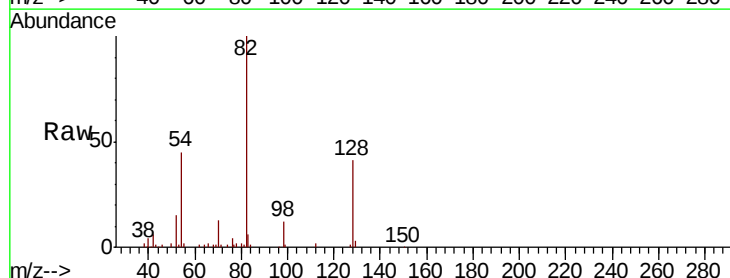
Ion Ratio Lower Upper

70 100

42 46.8 47.4 71.2#

101 0.0 7.3 10.9#

130 0.0 16.2 24.2#

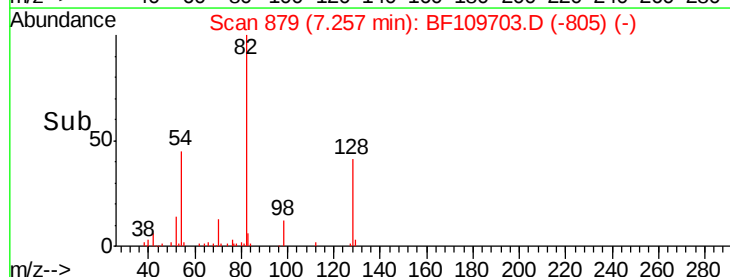
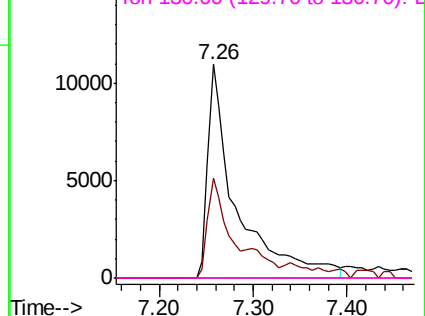


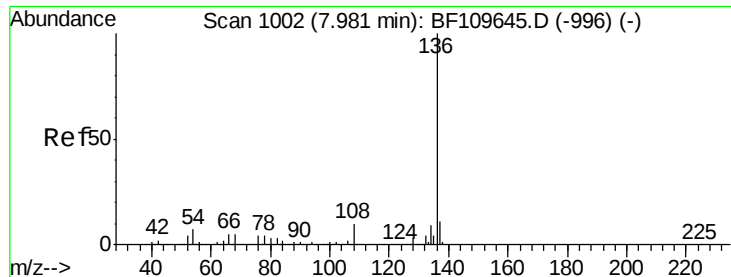
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

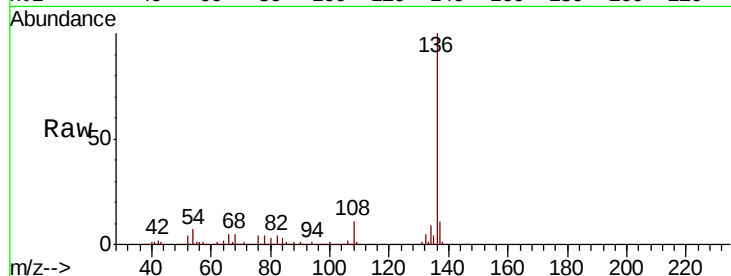




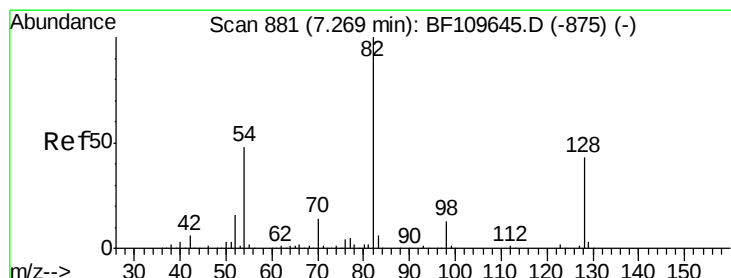
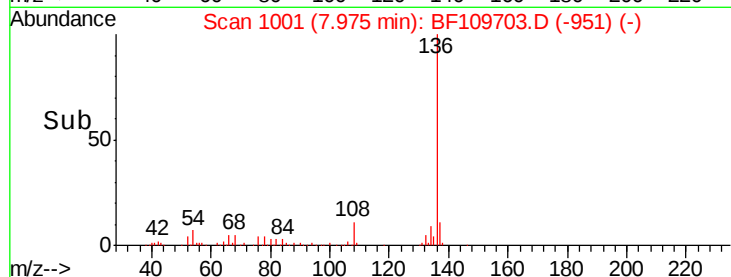
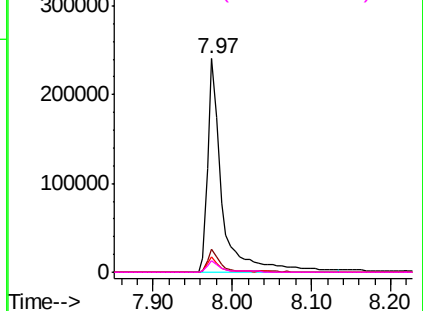
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

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BNA_F
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EO-02-100818-B

Tgt Ion:	136	Resp:	308951
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.9	5.4	8.2
68	5.2	4.2	6.2

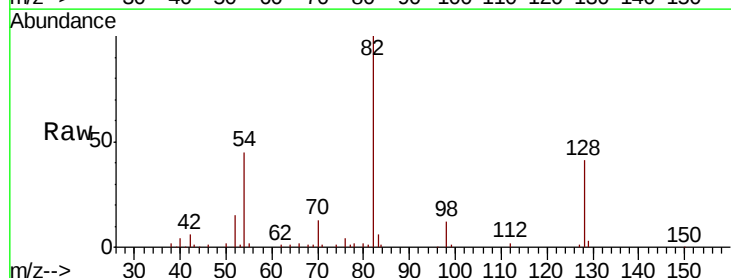


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

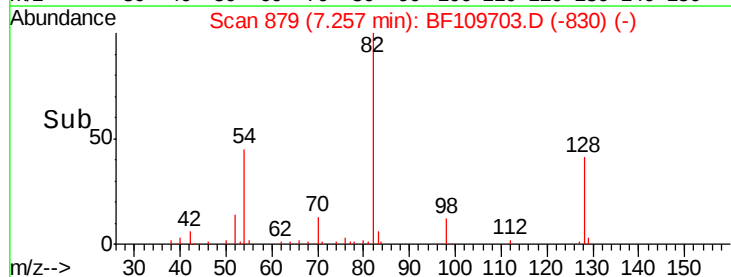
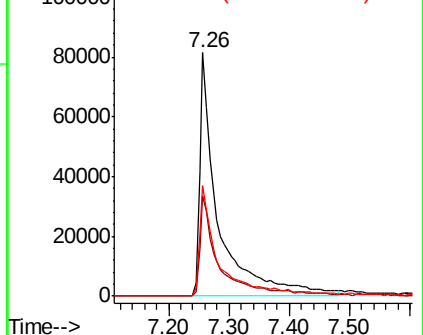


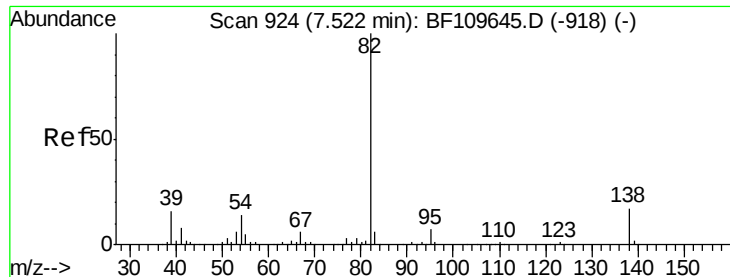
#23
Nitrobenzene-d5
Concen: 31.463 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

Tgt Ion:	82	Resp:	176340
Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.2	51.2
54	45.3	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

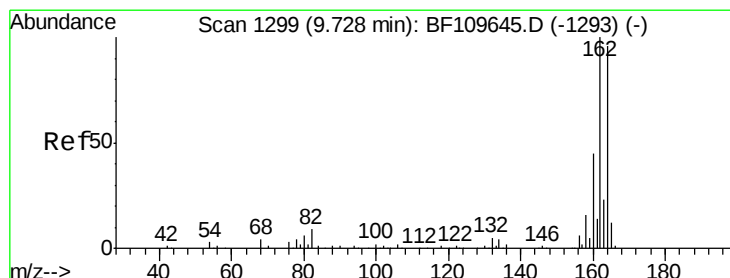
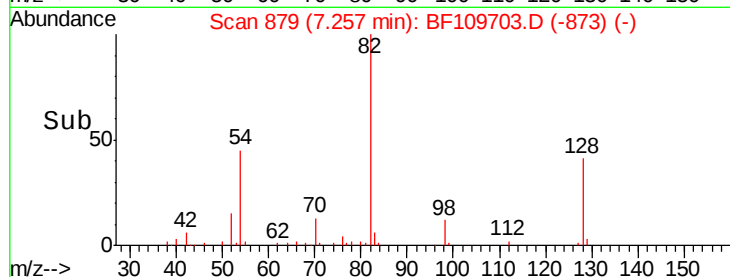
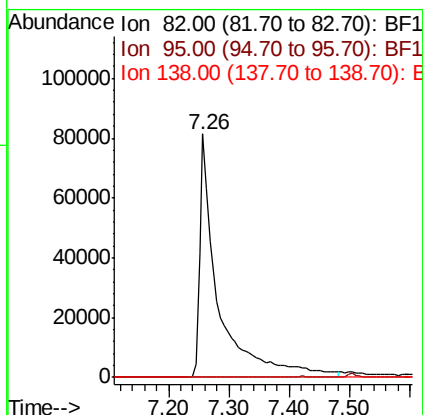
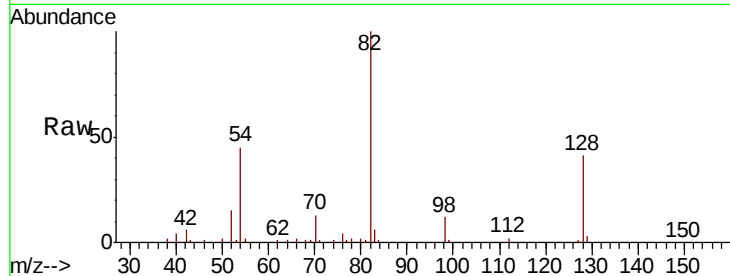




#25
Isophorone
Concen: 18.947 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.26 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

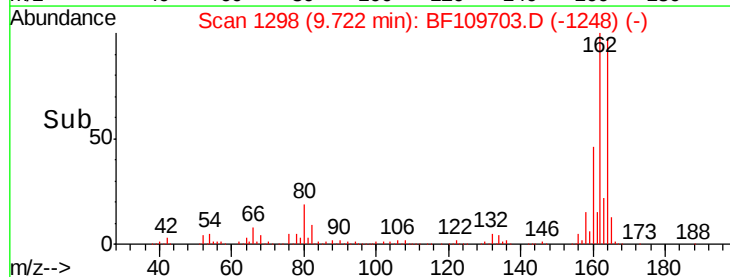
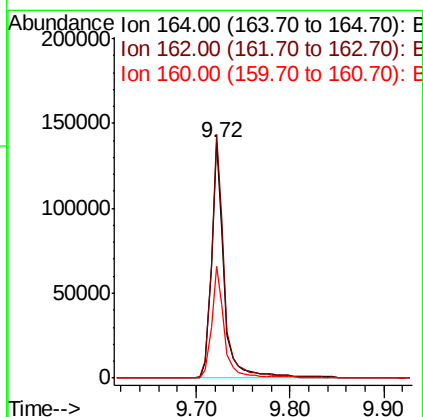
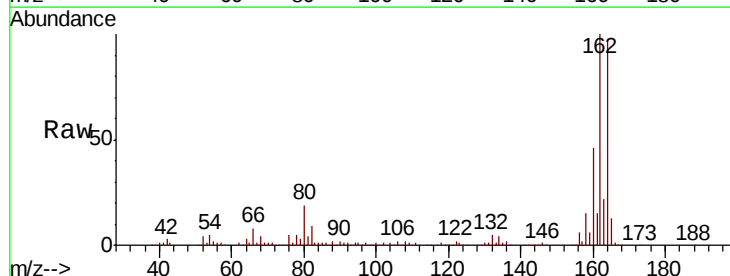
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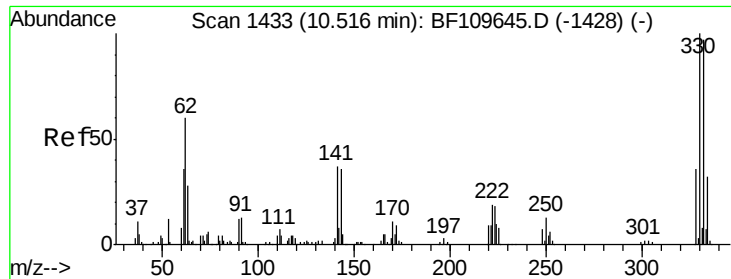
Tgt Ion: 82 Resp: 176340
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

Tgt Ion: 164 Resp: 132698
Ion Ratio Lower Upper
164 100
162 103.4 83.0 124.6
160 47.6 37.0 55.6

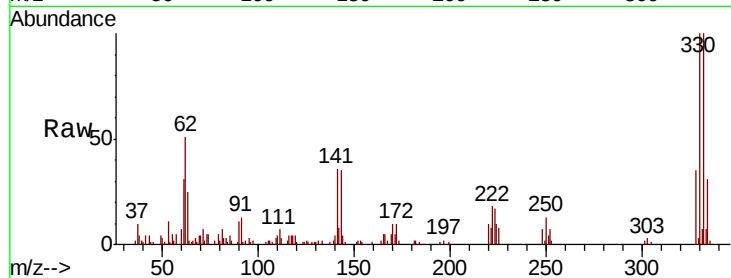




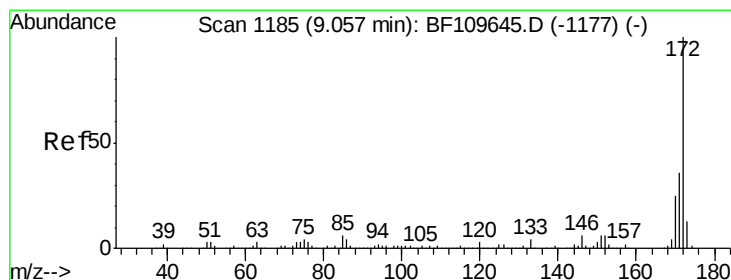
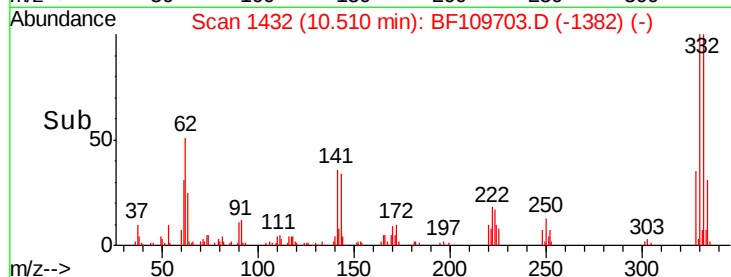
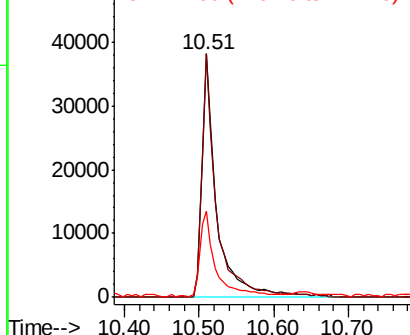
#41
 2,4,6-Tribromophenol
 Concen: 37.200 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109703.D
 Acq: 9 Oct 2018 19:03

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-B

Tgt Ion:330 Resp: 53787
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.1 115.7
 141 37.5 27.0 40.4

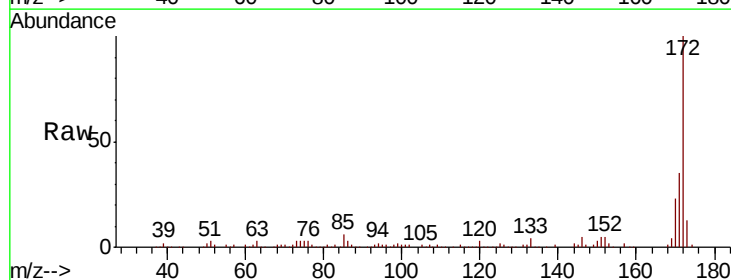


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

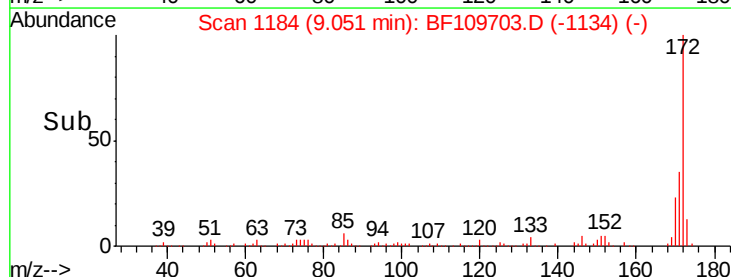
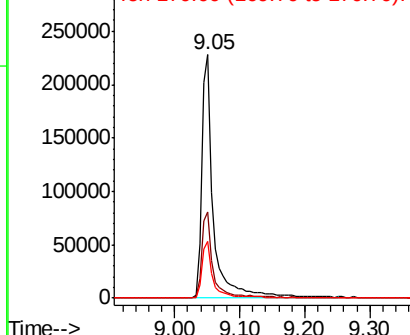


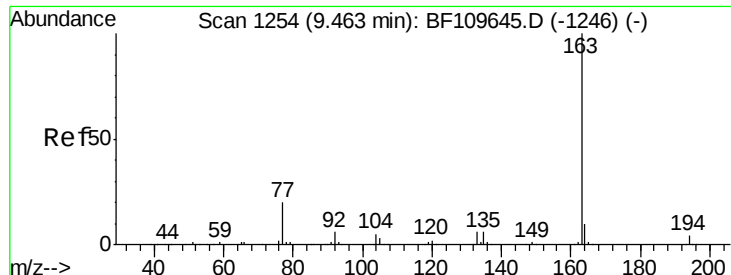
#44
 2-Fluorobiphenyl
 Concen: 29.488 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109703.D
 Acq: 9 Oct 2018 19:03

Tgt Ion:172 Resp: 284118
 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

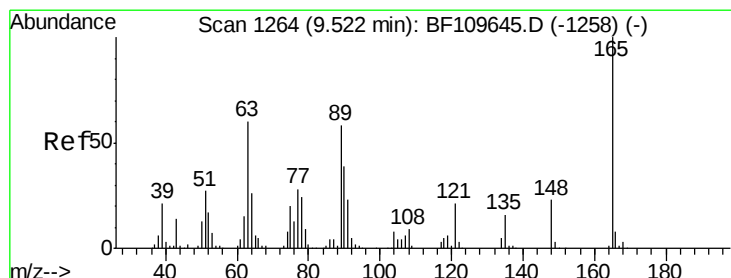
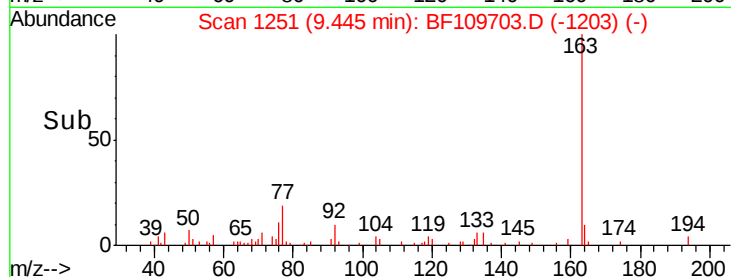
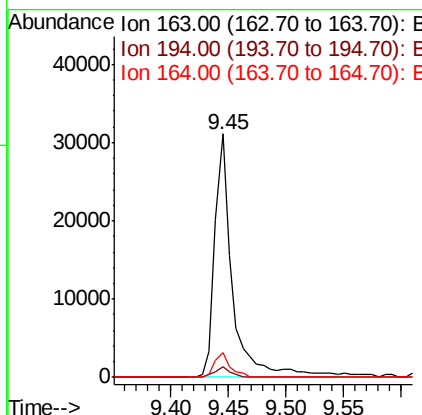
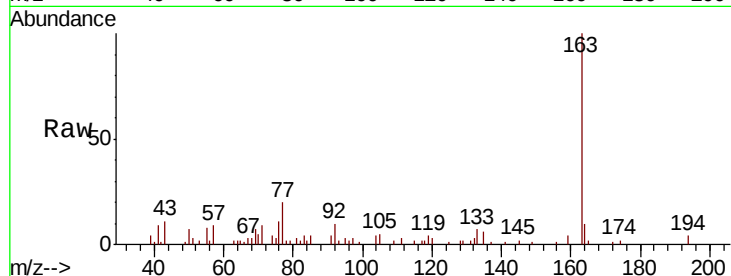




#49
Dimethylphthalate
Concen: 3.429 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

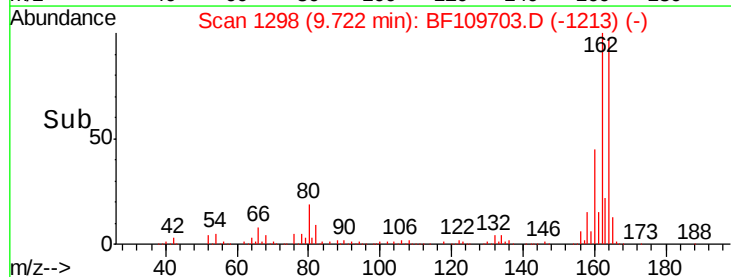
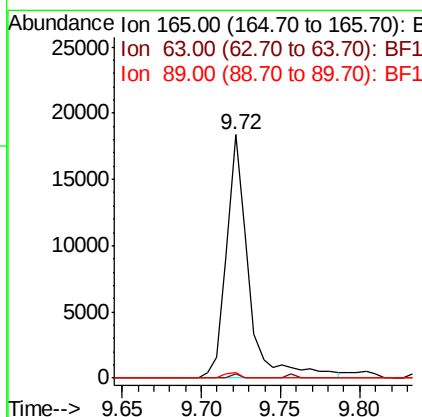
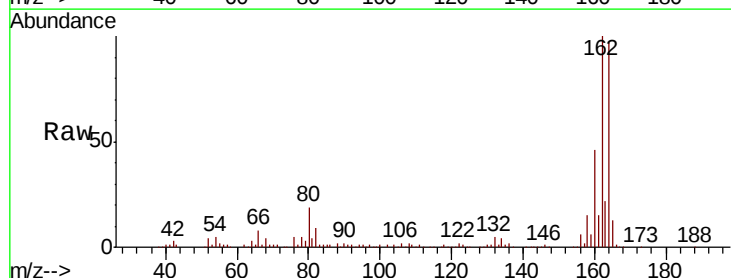
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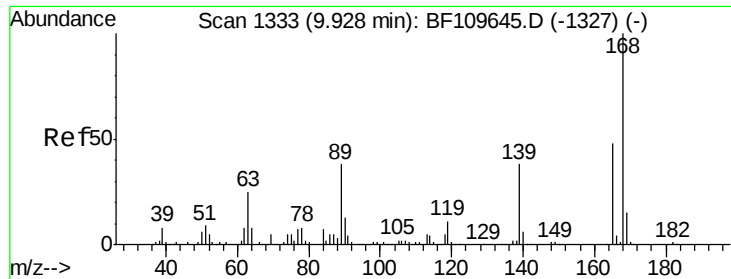
Tgt Ion:163 Resp: 33370
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.0 8.1 12.1



#50
2,6-Dinitrotoluene
Concen: 8.442 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

Tgt Ion:165 Resp: 17809
Ion Ratio Lower Upper
165 100
63 1.9 48.9 73.3#
89 2.2 46.6 69.8#

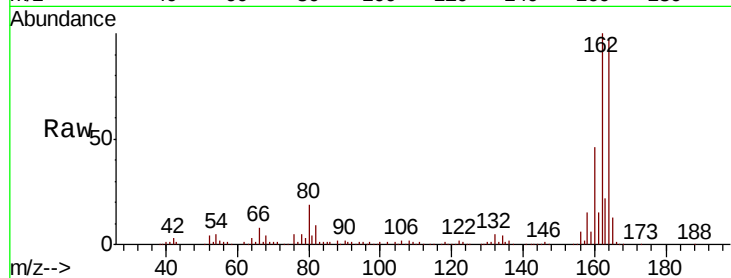




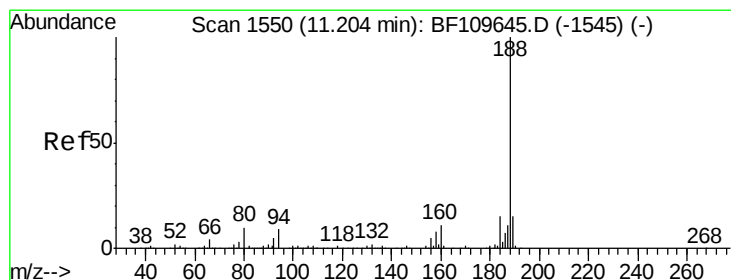
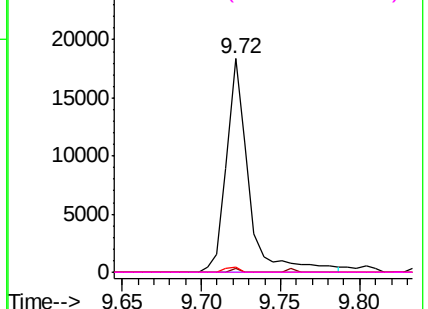
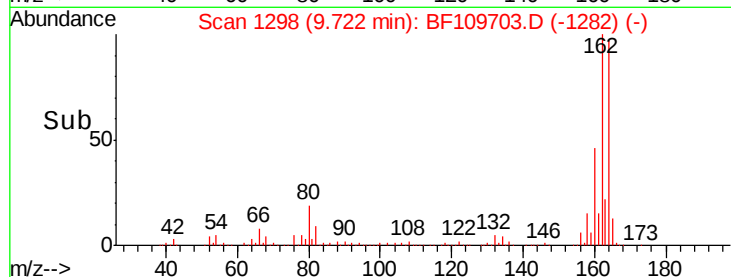
#56
2,4-Dinitrotoluene
Concen: 6.765 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

Instrument :
BNA_F
ClientSampleId :
EO-02-100818-B

Tgt Ion:165 Resp: 17809
Ion Ratio Lower Upper
165 100
63 1.9 44.8 67.2#
89 2.2 62.2 93.4#
182 0.0 2.1 3.1#

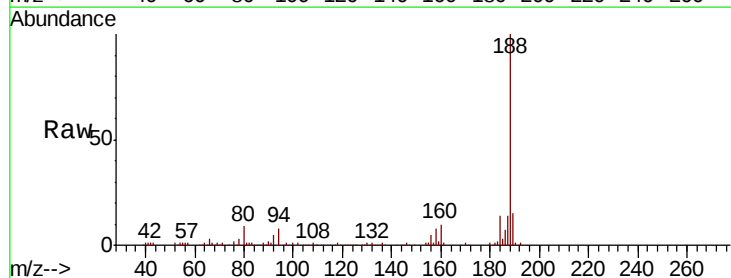


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

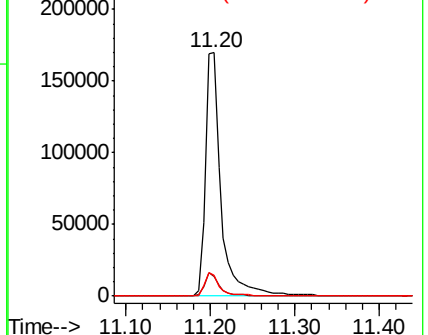
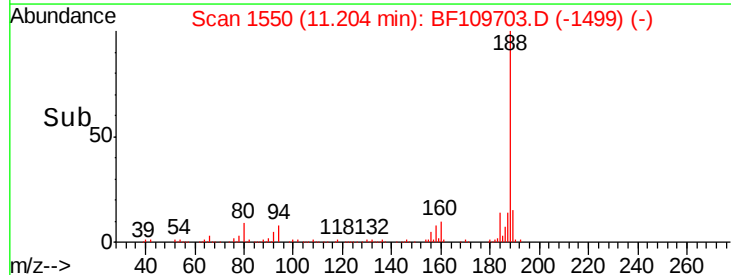


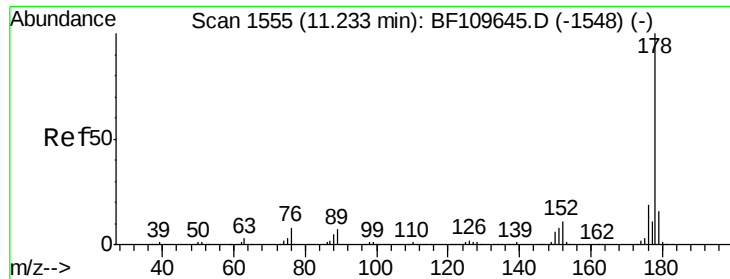
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

Tgt Ion:188 Resp: 218532
Ion Ratio Lower Upper
188 100
94 8.2 7.2 10.8
80 8.6 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

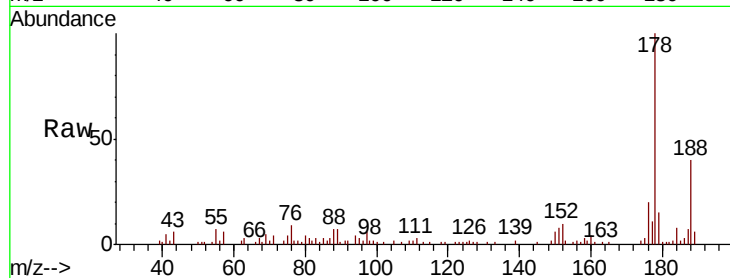




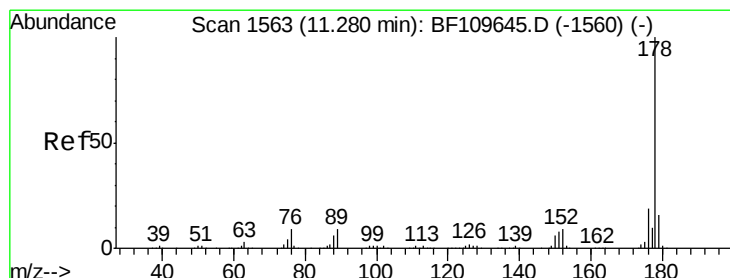
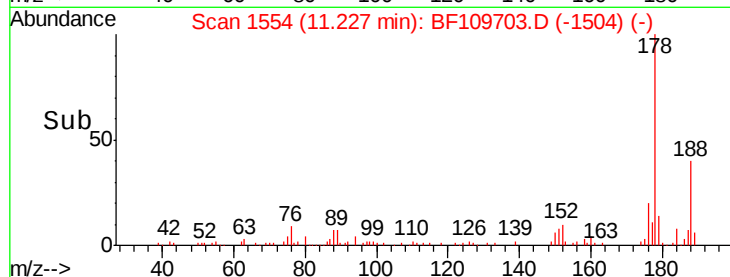
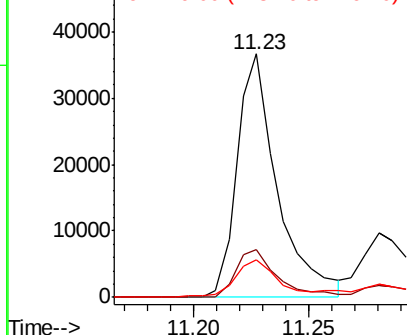
#70
 Phenanthrene
 Concen: 4.078 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF109703.D
 Acq: 9 Oct 2018 19:03

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-B

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.3	12.5	18.7

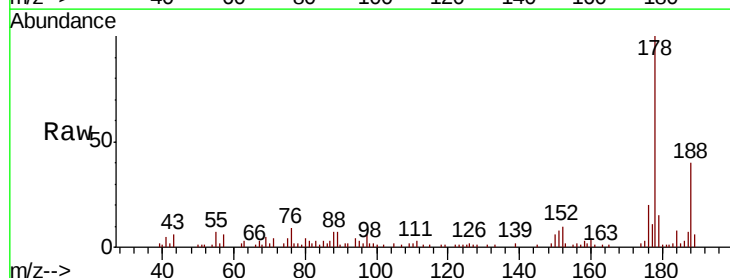


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

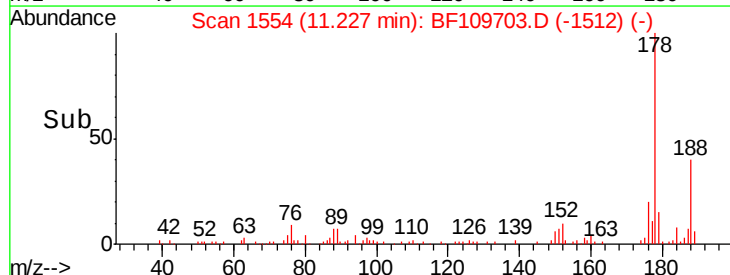
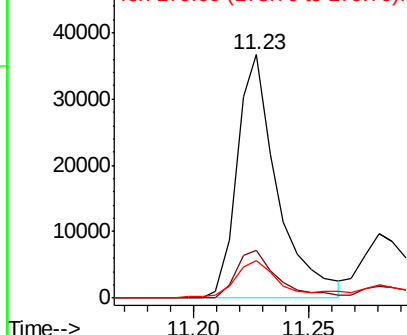


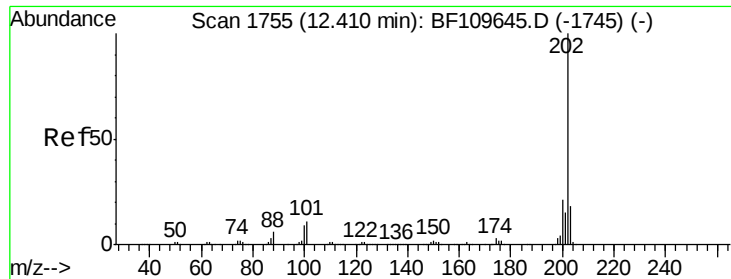
#71
 Anthracene
 Concen: 3.945 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.05 min
 Lab File: BF109703.D
 Acq: 9 Oct 2018 19:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.3	12.6	18.8



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: 7.900 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BF109703.D

Acq: 9 Oct 2018 19:03

Instrument :

BNA_F

ClientSampleId :

EO-02-100818-B

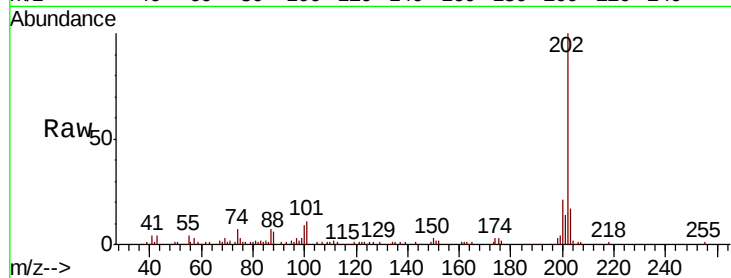
Tgt Ion:202 Resp: 90256

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

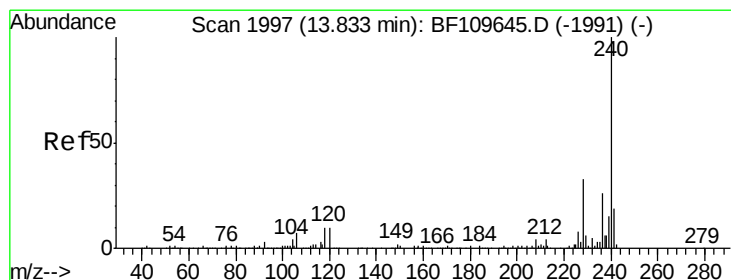
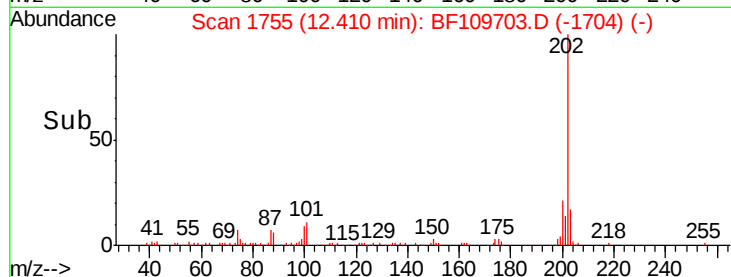
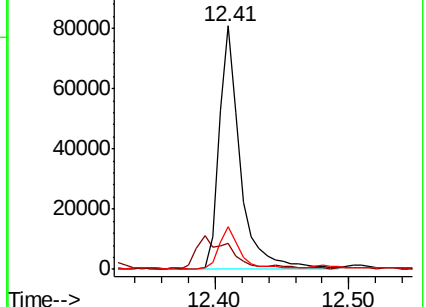
203 17.5 0.0 37.7



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: BF109703.D

Acq: 9 Oct 2018 19:03

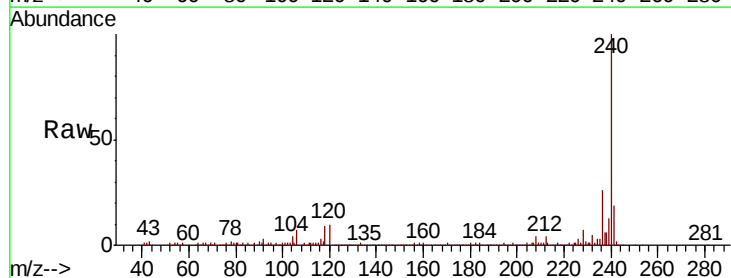
Tgt Ion:240 Resp: 210212

Ion Ratio Lower Upper

240 100

120 10.1 8.3 12.5

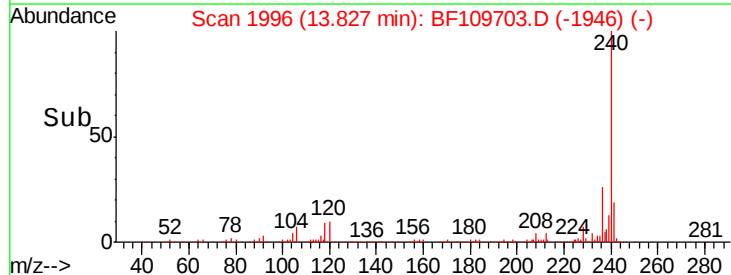
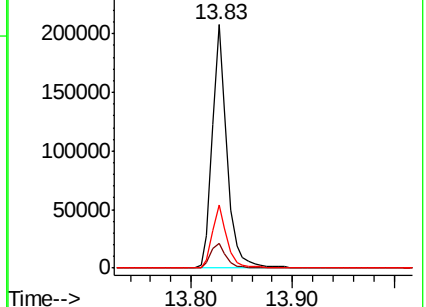
236 25.9 21.2 31.8

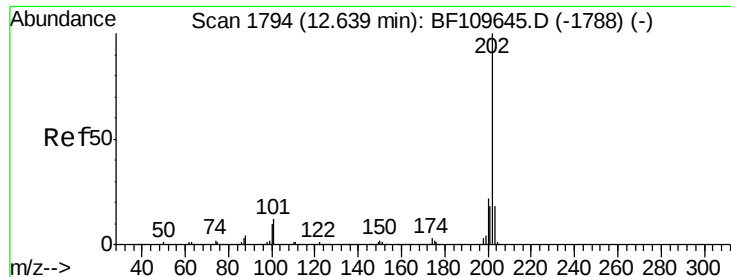


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

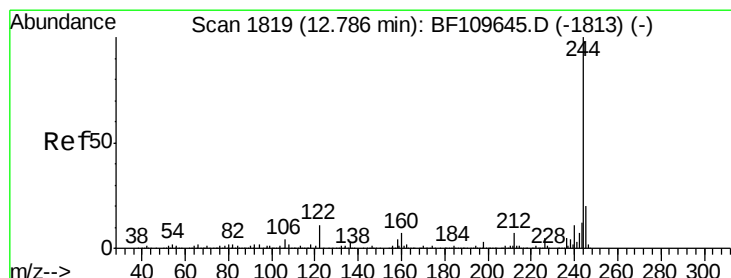
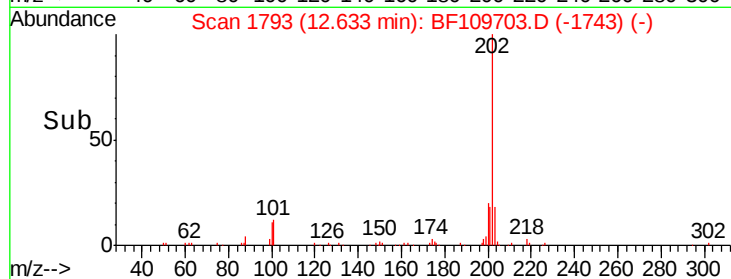
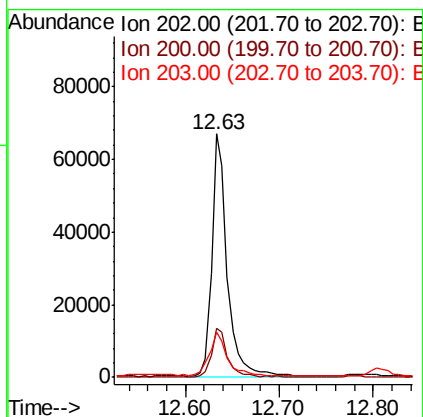
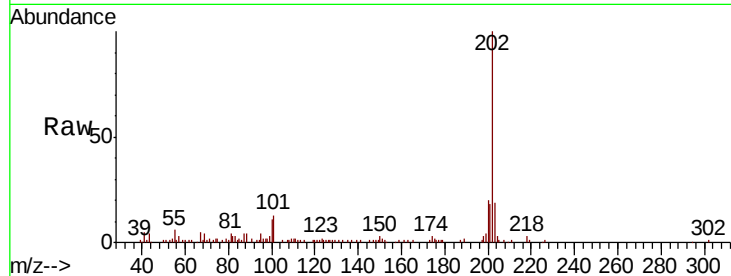




#77
 Pyrene
 Concen: 5.208 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF109703.D
 Acq: 9 Oct 2018 19:03

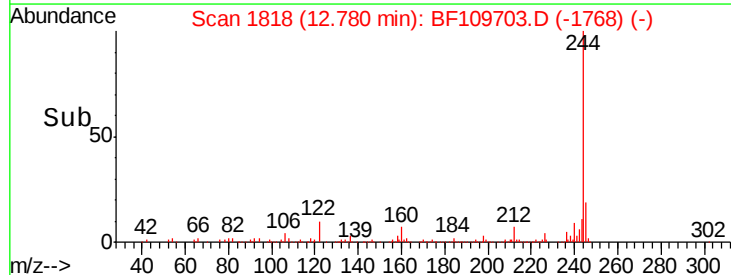
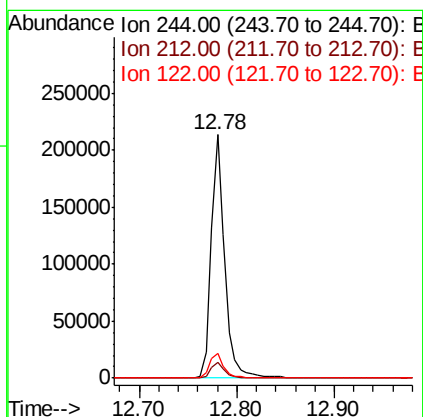
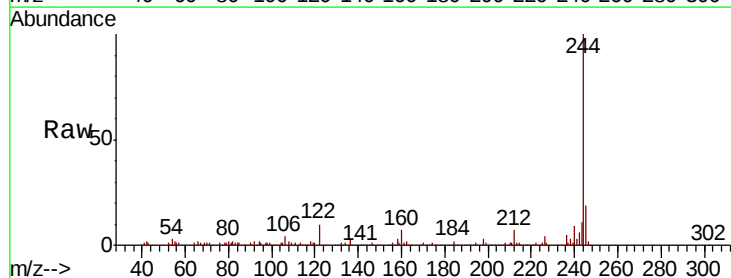
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-100818-B

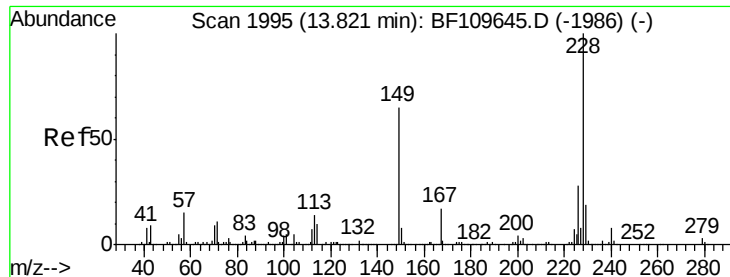
Tgt Ion: 202 Resp: 80206
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.8 26.6
 203 18.5 14.2 21.4



#78
 Terphenyl-d14
 Concen: 18.769 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109703.D
 Acq: 9 Oct 2018 19:03

Tgt Ion: 244 Resp: 203807
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 10.4 8.7 13.1





#80

Benzo(a)anthracene

Concen: 3.813 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF109703.D

Acq: 9 Oct 2018 19:03

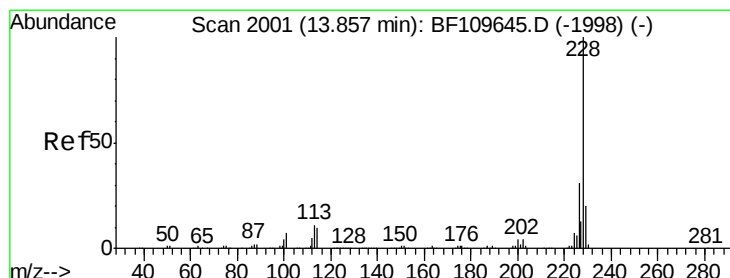
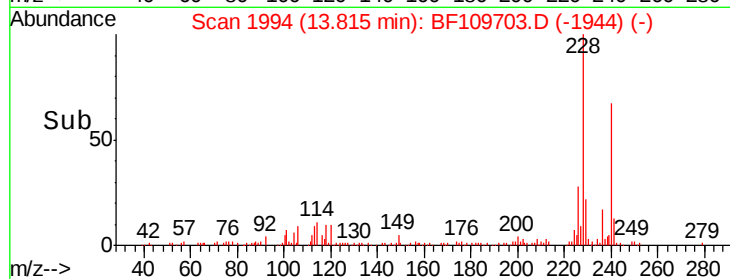
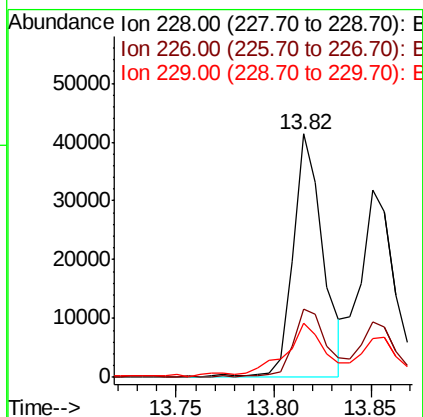
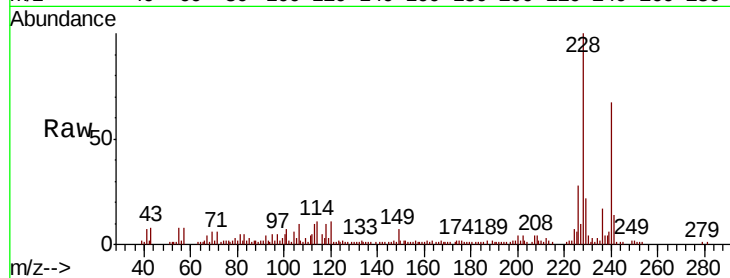
Instrument :

BNA_F

ClientSampleId :

EO-02-100818-B

Tgt Ion:	228	Resp:	44237
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	22.2	15.6	23.4



#82

Chrysene

Concen: 3.330 ng

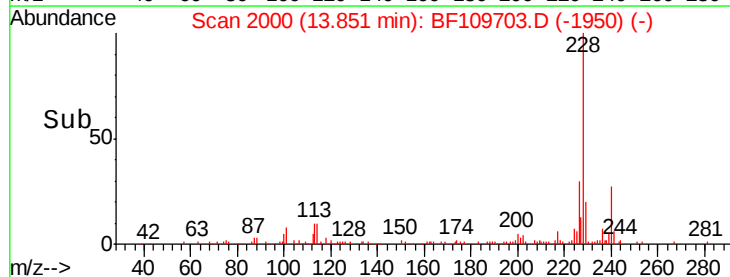
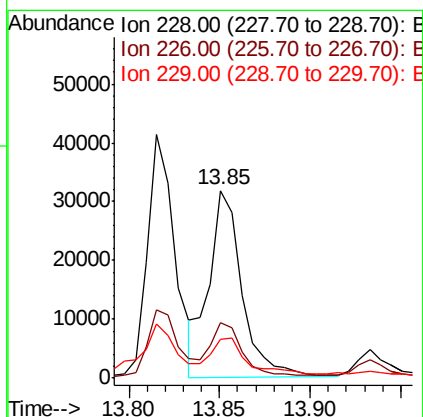
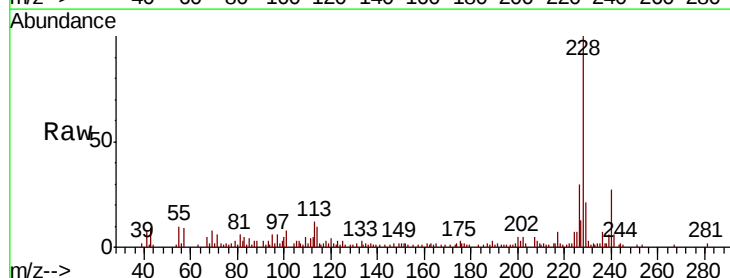
RT: 13.85 min Scan# 2000

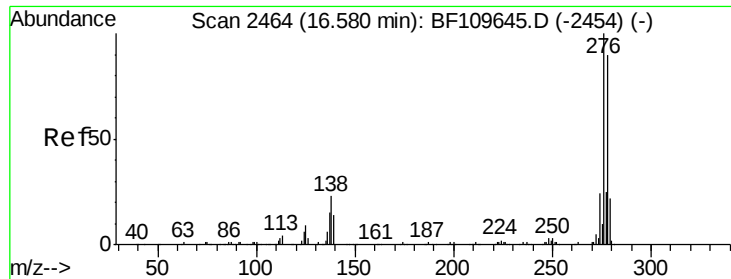
Delta R.T. -0.01 min

Lab File: BF109703.D

Acq: 9 Oct 2018 19:03

Tgt Ion:	228	Resp:	40570
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.7	37.1
229	20.9	15.9	23.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.288 ng

RT: 16.57 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BF109703.D

Acq: 9 Oct 2018 19:03

Instrument :

BNA_F

ClientSampleId :

EO-02-100818-B

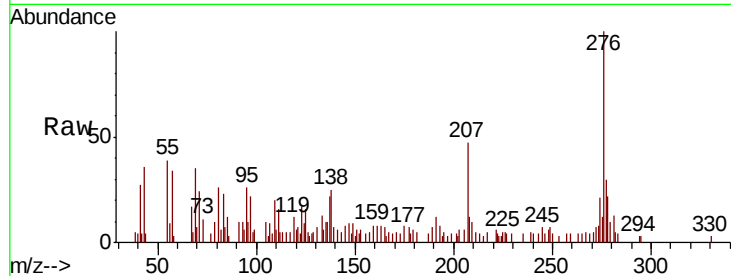
Tgt Ion:276 Resp: 19959

Ion Ratio Lower Upper

276 100

138 17.8 18.5 27.7#

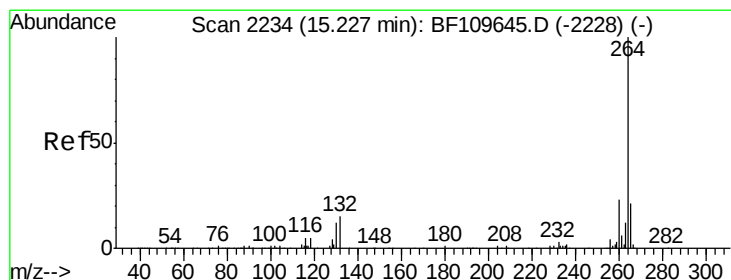
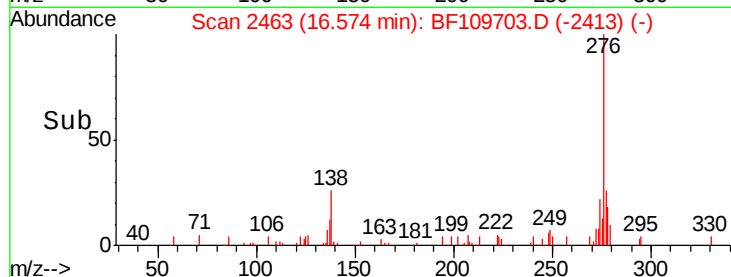
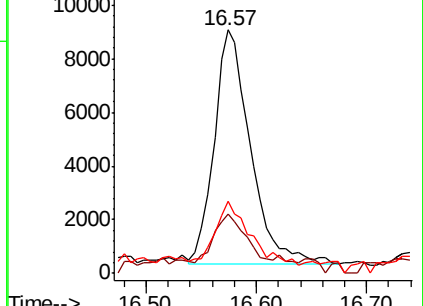
277 23.4 20.0 30.0



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: 15.23 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BF109703.D

Acq: 9 Oct 2018 19:03

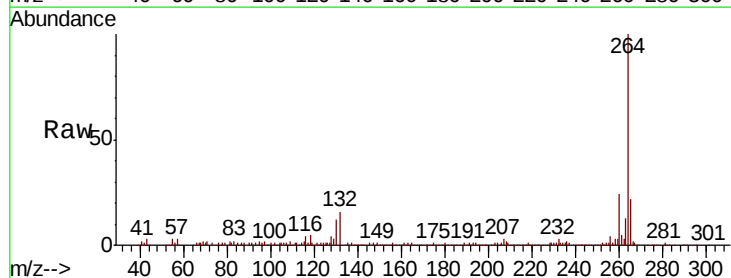
Tgt Ion:264 Resp: 206674

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

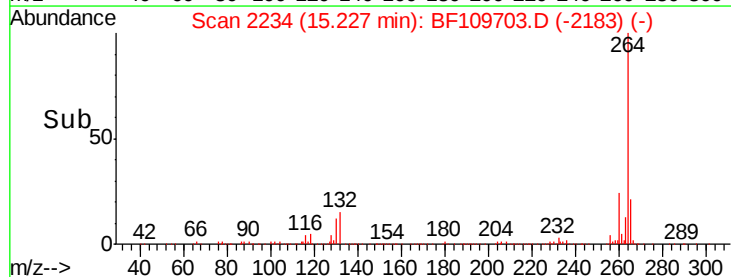
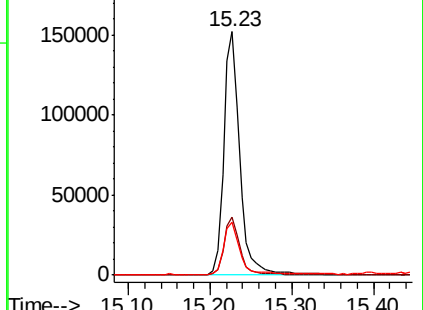
265 21.7 16.7 25.1

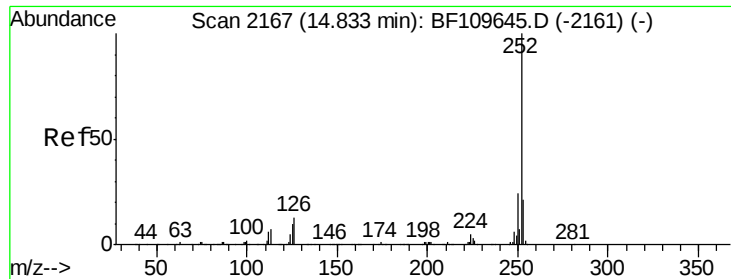


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

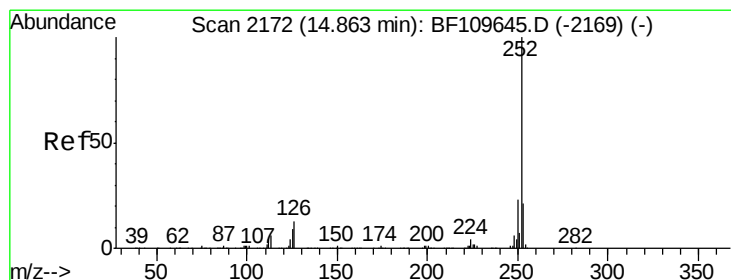
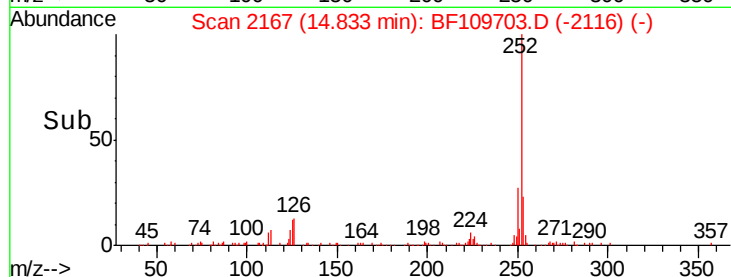
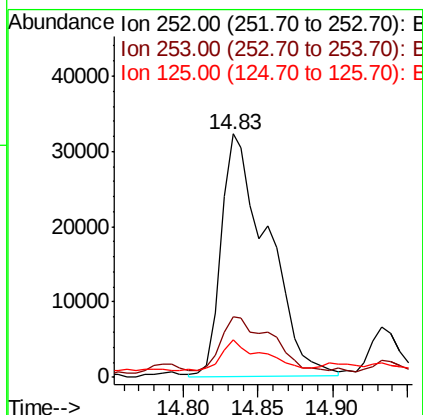
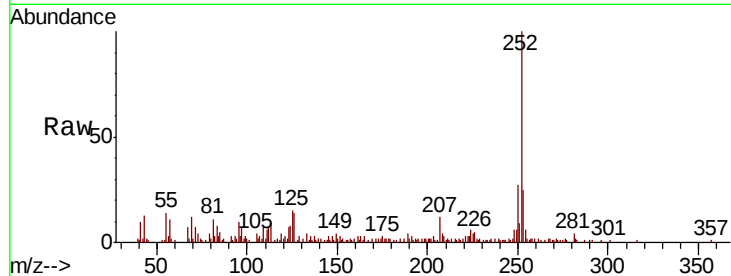




#87
Benzo(b)fluoranthene
Concen: 6.132 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

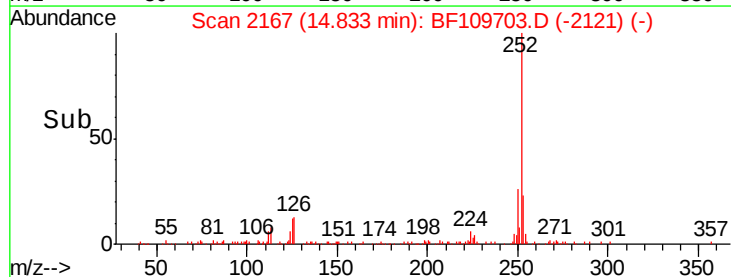
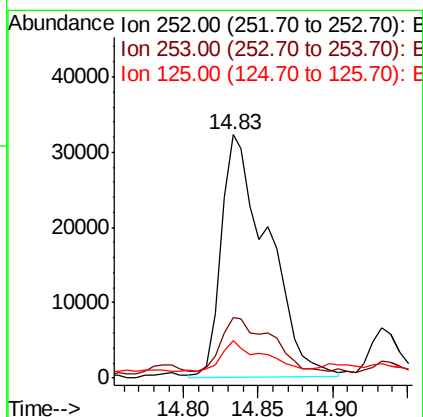
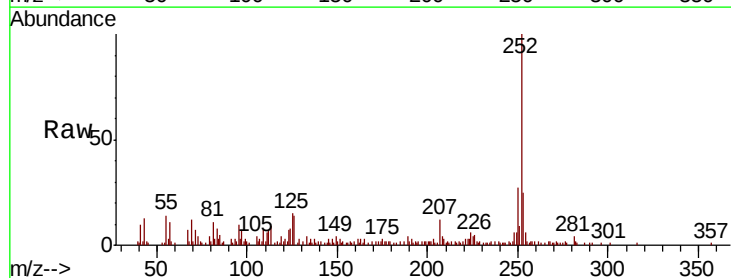
Instrument :
BNA_F
ClientSampleId :
EO-02-100818-B

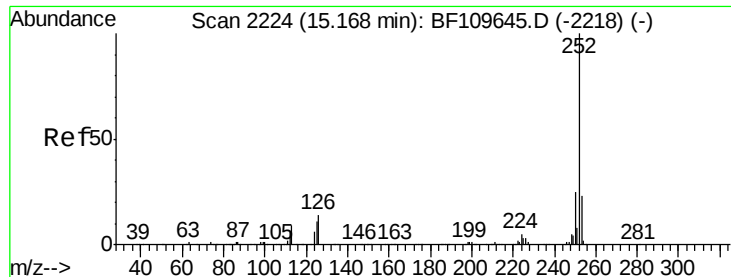
Tgt Ion:252 Resp: 70034
Ion Ratio Lower Upper
252 100
253 24.8 17.2 25.8
125 15.5 8.2 12.4#



#88
Benzo(k)fluoranthene
Concen: 6.103 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

Tgt Ion:252 Resp: 70034
Ion Ratio Lower Upper
252 100
253 24.8 17.2 25.8
125 15.5 7.4 11.0#

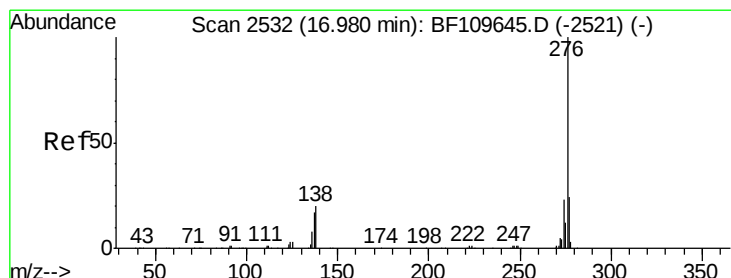
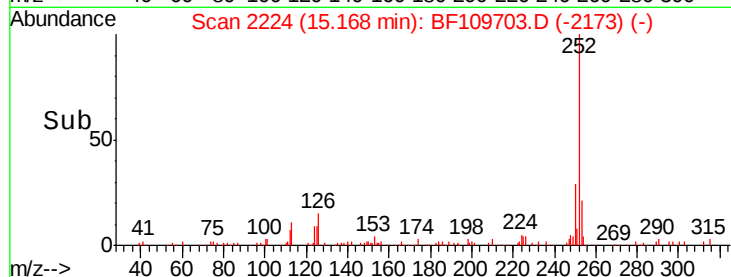
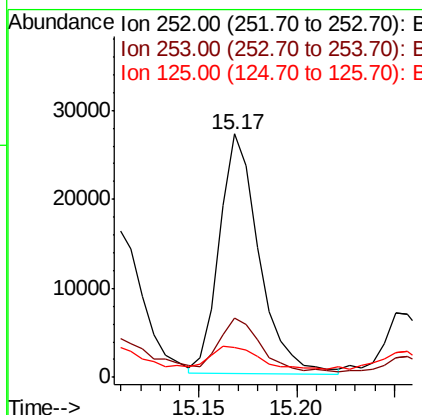
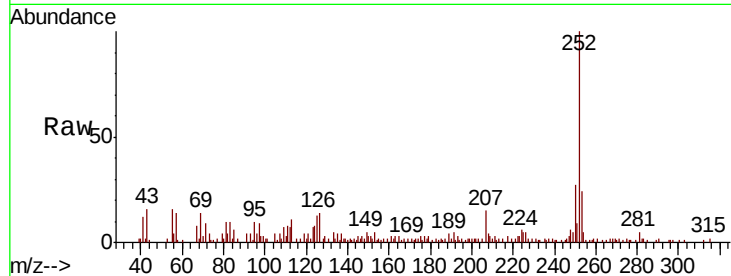




#89
Benzo(a)pyrene
Concen: 3.702 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

Instrument :
BNA_F
ClientSampleId :
EO-02-100818-B

Tgt Ion:252 Resp: 38372
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.4
125 12.5 9.0 13.6



#91
Benzo(g,h,i)perylene
Concen: 2.361 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.00 min
Lab File: BF109703.D
Acq: 9 Oct 2018 19:03

Tgt Ion:276 Resp: 20070
Ion Ratio Lower Upper
276 100
277 26.9 18.8 28.2
138 22.7 16.0 24.0

