

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108695.D
 Acq On : 31 Aug 2018 18:02
 Operator : JU/SJ
 Sample : J4712-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 03:47:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

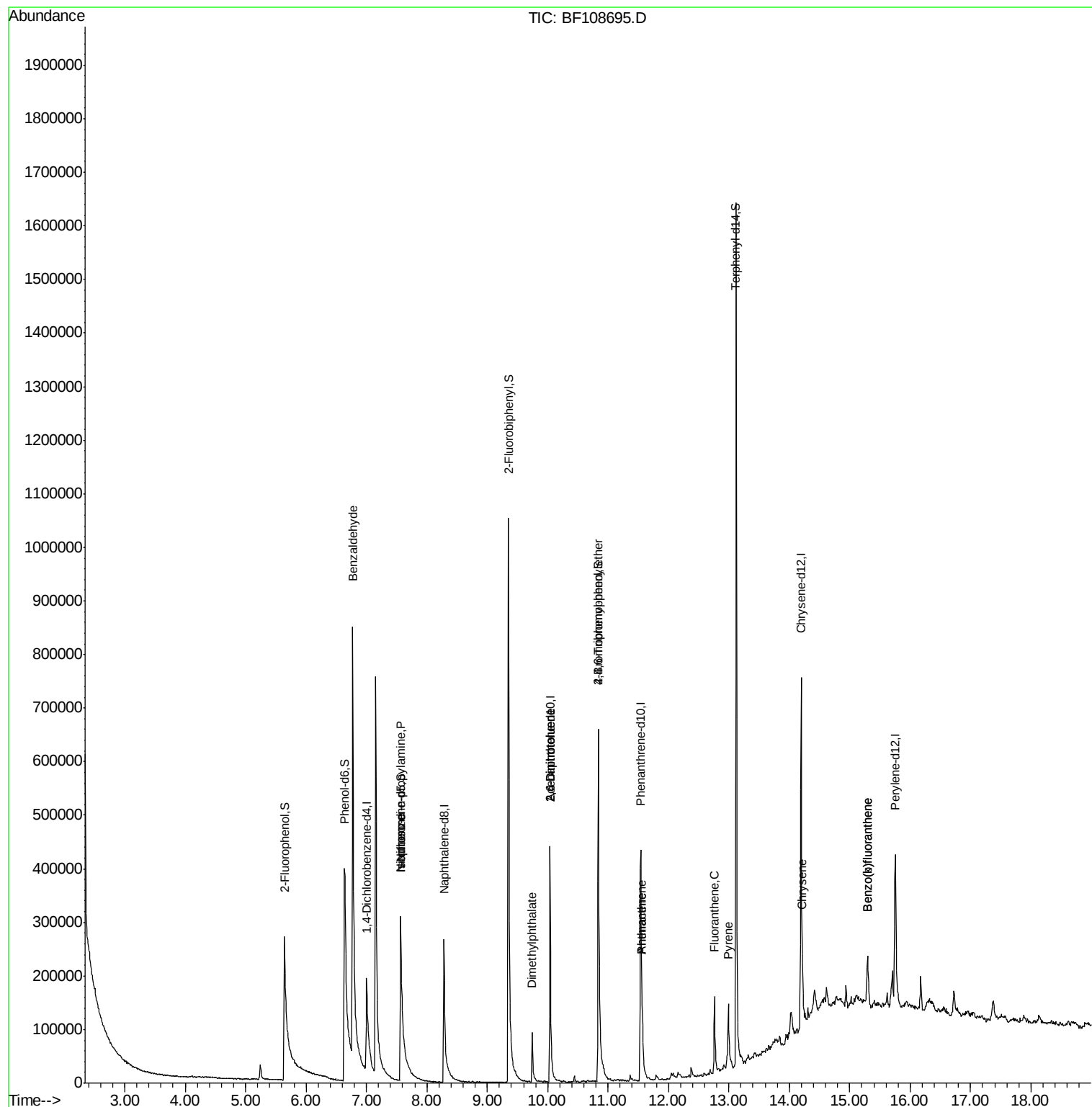
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	68215	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	265721	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	127515	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	272603	20.00	ng	0.00
75) Chrysene-d12	14.19	240	265807	20.00	ng	0.00
86) Perylene-d12	15.75	264	192422	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	296586	75.53	ng	0.00
7) Phenol-d6	6.64	99	490923	87.29	ng	-0.01
23) Nitrobenzene-d5	7.57	82	328009	62.66	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	139231	82.71	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	581463	61.31	ng	0.00
78) Terphenyl-d14	13.12	244	704677	51.51	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.77	77	9403	2.705	ng	# 65
19) n-Nitroso-di-n-propylamine	7.57	70	37934	10.072	ng	# 82
25) Isophorone	7.57	82	337621	38.824	ng	# 64
49) Dimethylphthalate	9.74	163	65173	6.491	ng	# 99
50) 2,6-Dinitrotoluene	10.04	165	15096	6.820	ng	# 24
56) 2,4-Dinitrotoluene	10.04	165	15379	5.248	ng	# 21
66) 4-Bromophenyl-phenylether	10.84	248	8756	2.613	ng	# 1
70) Phenanthrene	11.57	178	50385	3.662	ng	# 97
71) Anthracene	11.57	178	50385	3.485	ng	# 98
74) Fluoranthene	12.76	202	92483	5.971	ng	# 95
77) Pyrene	12.99	202	76872	3.847	ng	# 98
82) Chrysene	14.22	228	38262	2.455	ng	# 96
87) Benzo(b)fluoranthene	15.29	252	51653	4.370	ng	# 89
88) Benzo(k)fluoranthene	15.29	252	51653	4.411	ng	# 92

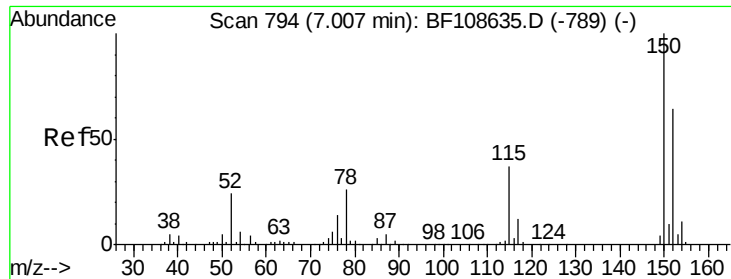
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
Data File : BF108695.D
Acq On : 31 Aug 2018 18:02
Operator : JU/SJ
Sample : J4712-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 01 03:47:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration



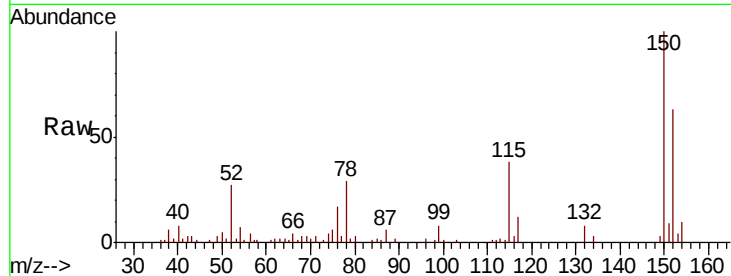


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	61.2	50.1	75.1

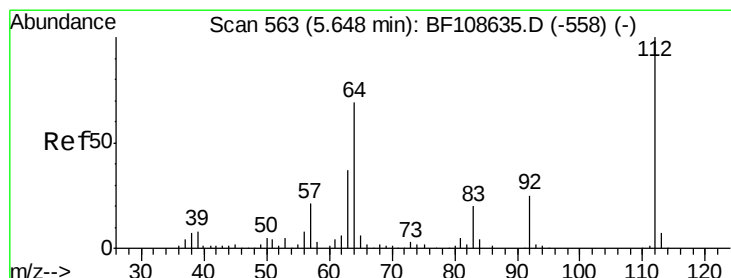
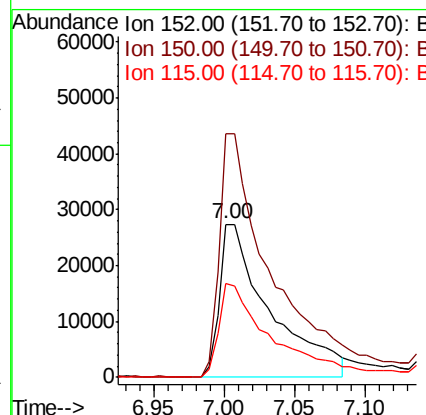
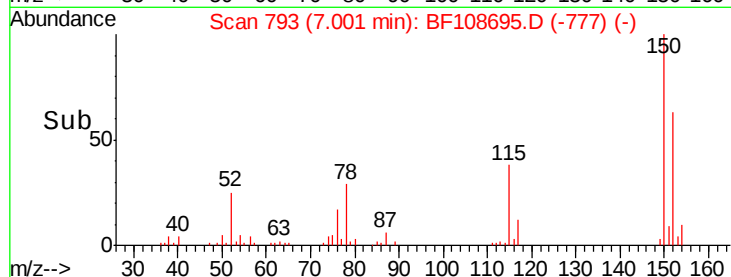


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

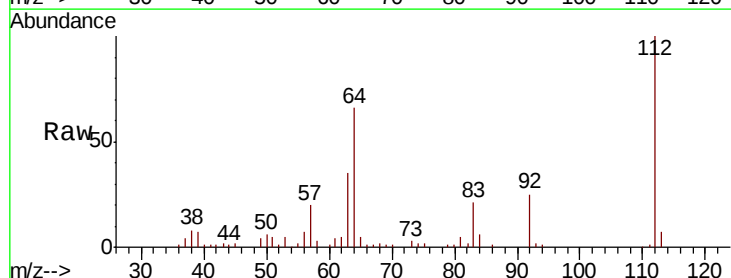
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 75.530 ng
RT: 5.64 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	35.1	23.7	35.5

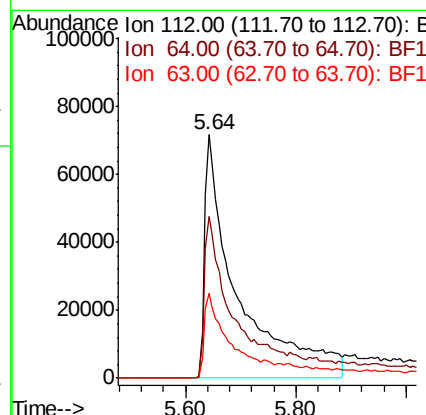
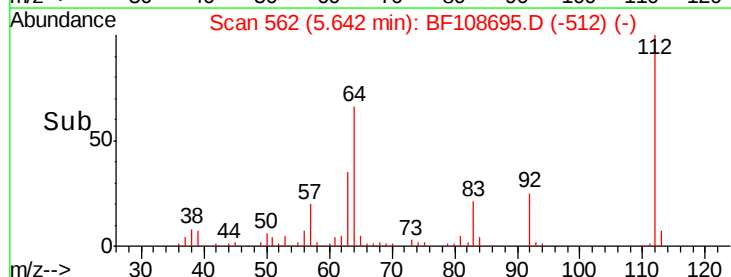


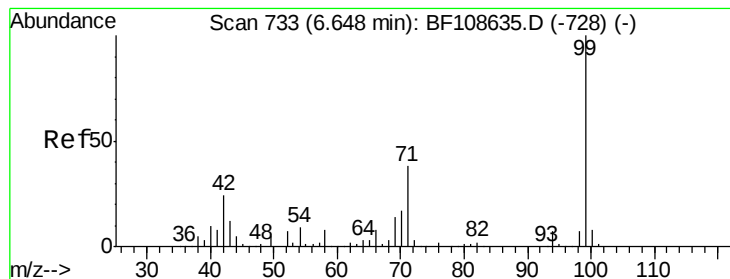
Abundance

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: 87.290 ng

RT: 6.64 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF108695.D

Acq: 31 Aug 2018 18:02

Instrument :

BNA_F

ClientSampleId :

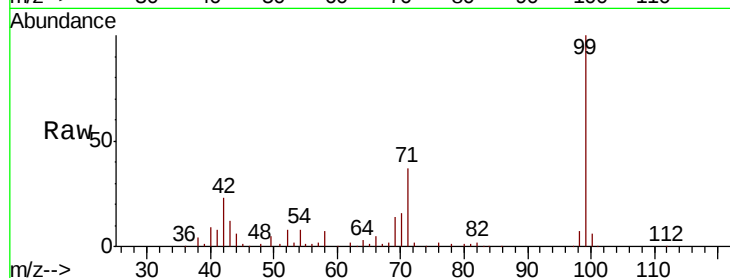
Tot Ion: 99 Resp: 490923

Ion Ratio Lower Upper

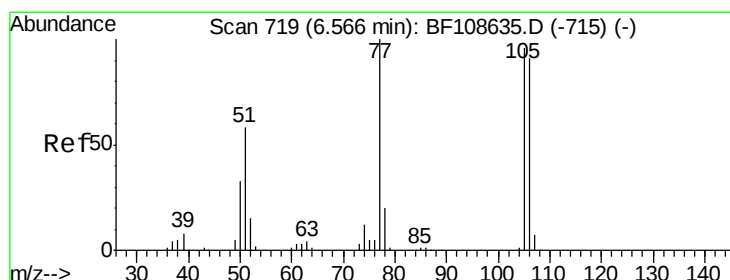
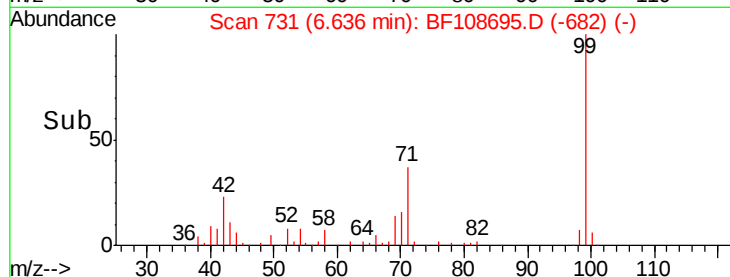
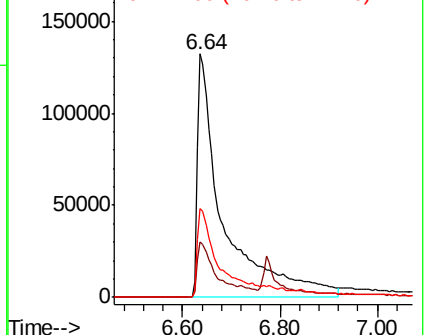
99 100

42 22.7 14.5 21.7#

71 36.6 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



#9

Benzaldehyde

Concen: 2.705 ng

RT: 6.77 min Scan# 754

Delta R.T. 0.21 min

Lab File: BF108695.D

Acq: 31 Aug 2018 18:02

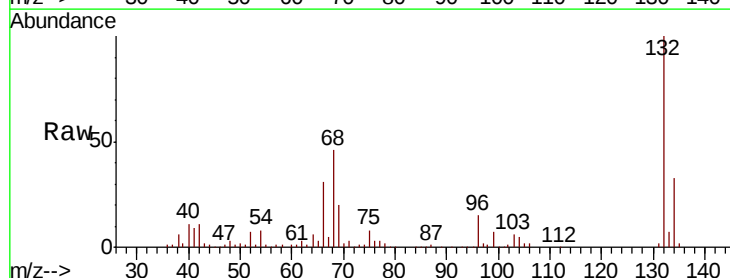
Tgt Ion: 77 Resp: 9403

Ion Ratio Lower Upper

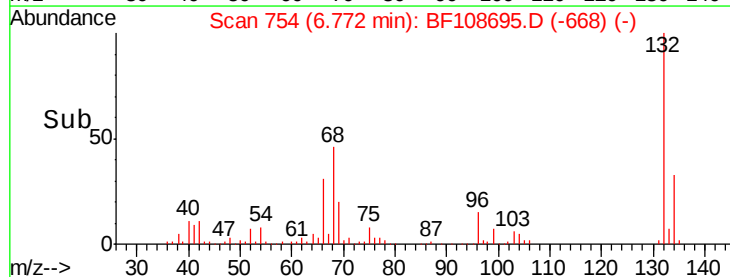
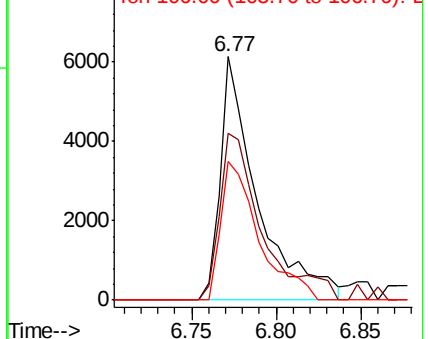
77 100

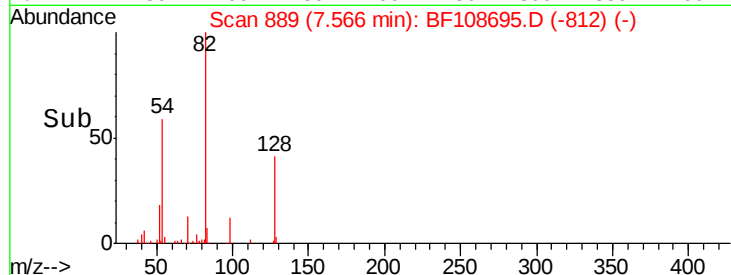
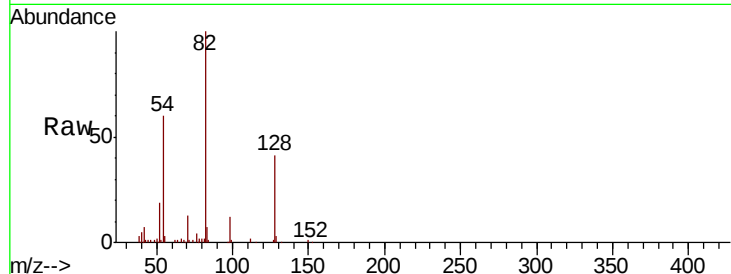
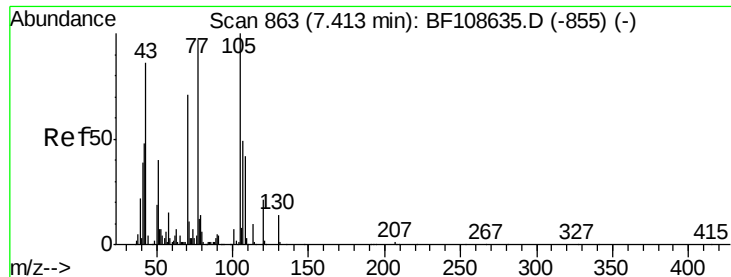
105 68.5 81.1 121.1#

106 57.2 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

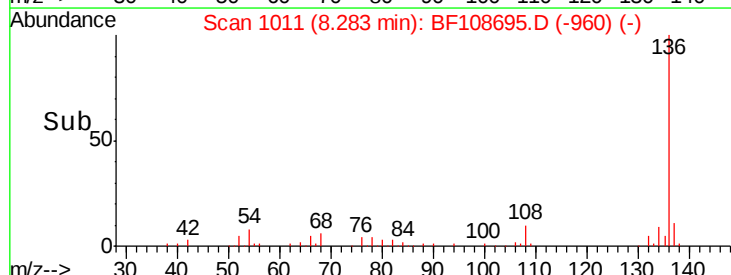
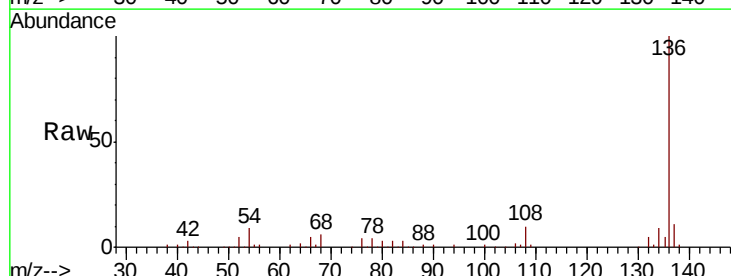
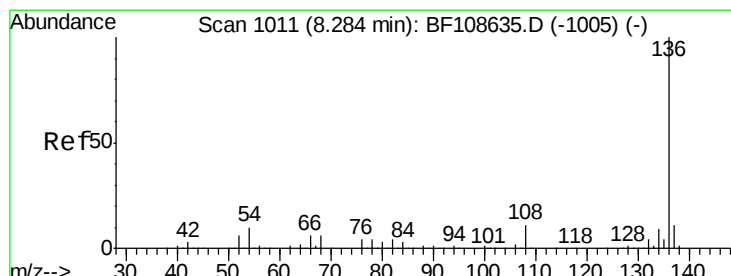
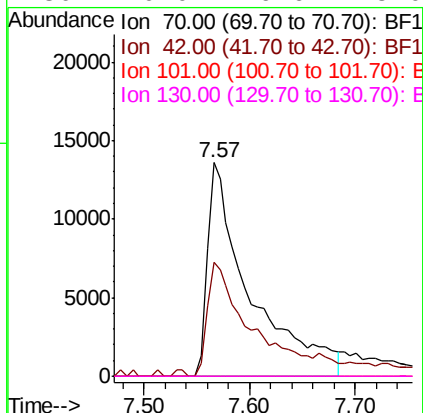




#19
n-Nitroso-di-n-propylamine
Concen: 10.072 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

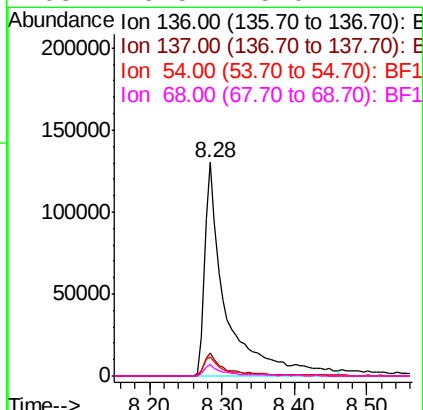
Instrument :
BNA_F
ClientSampleId :

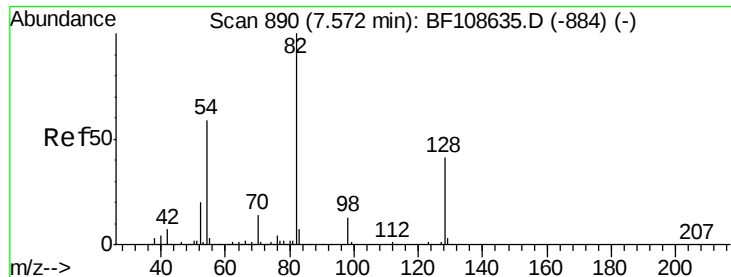
Tot Ion: 70 Resp: 37934
Ion Ratio Lower Upper
70 100
42 53.5 47.5 71.3
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Tgt Ion: 136 Resp: 265721
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 9.0 6.6 9.8
68 5.5 5.0 7.4

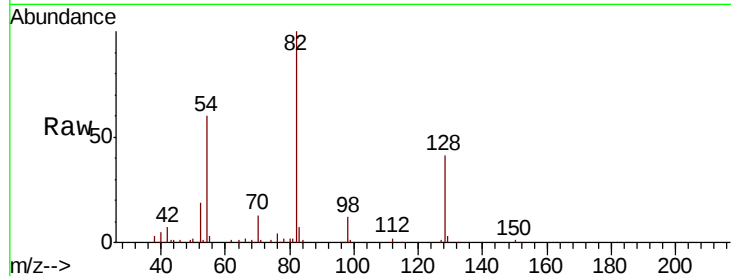




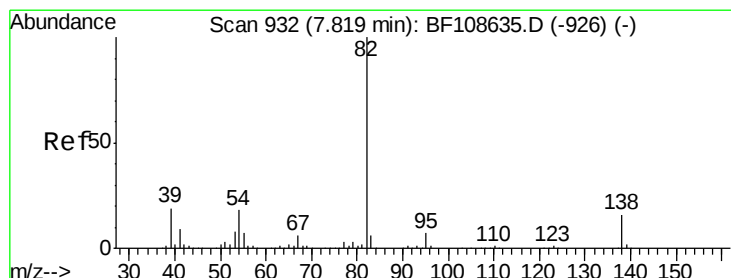
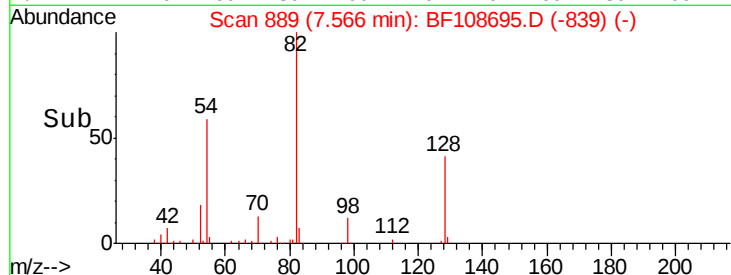
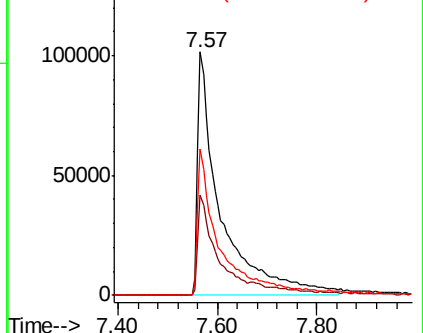
#23
Nitrobenzene-d5
Concen: 62.657 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	328009
Ion Ratio	Lower	Upper	
82	100		
128	41.2	36.1	54.1
54	59.9	41.4	62.2

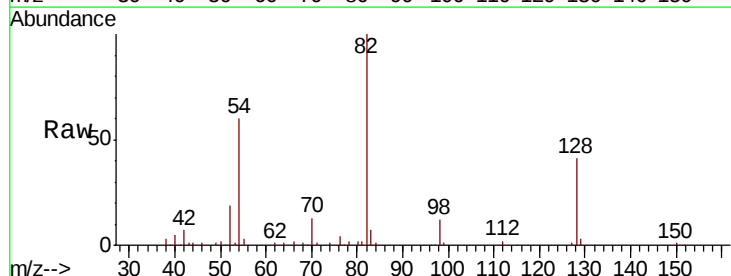


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

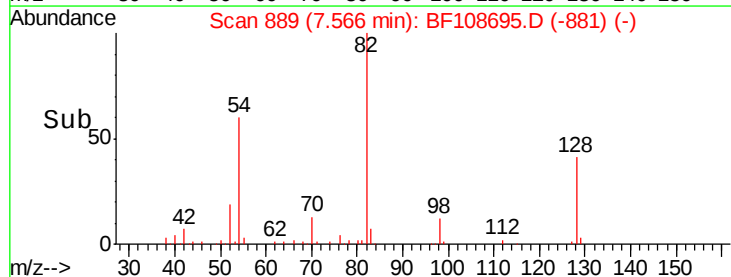
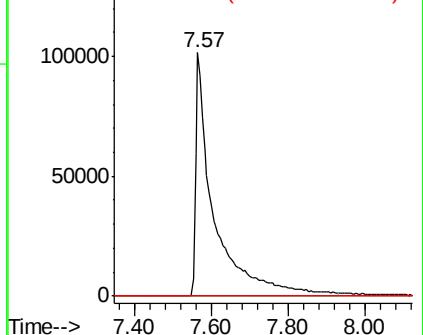


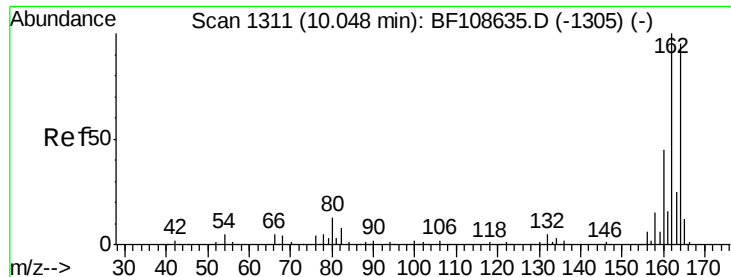
#25
Isophorone
Concen: 38.824 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.25 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Tgt Ion	82	Resp	337621
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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

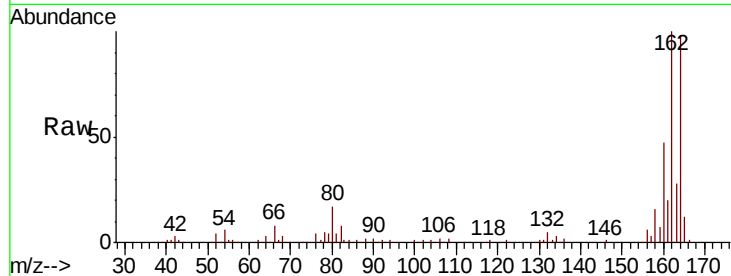




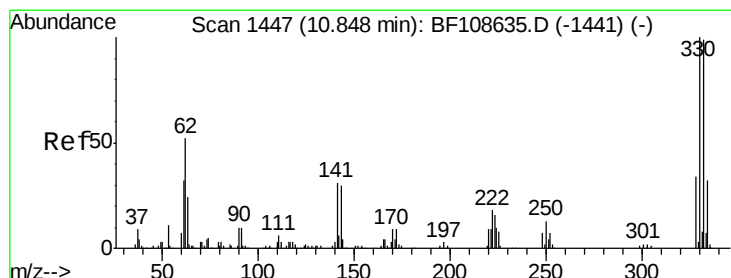
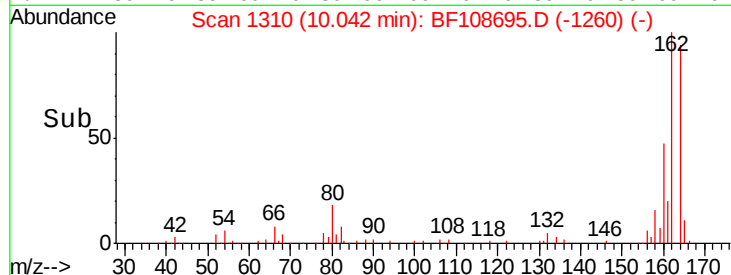
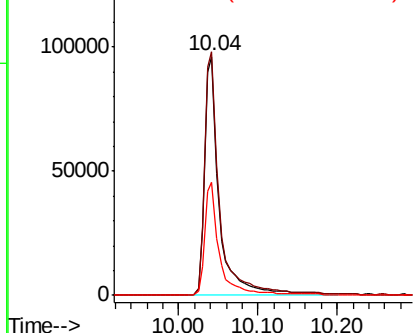
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 127515
Ion Ratio Lower Upper
164 100
162 101.9 86.1 129.1
160 47.5 38.3 57.5

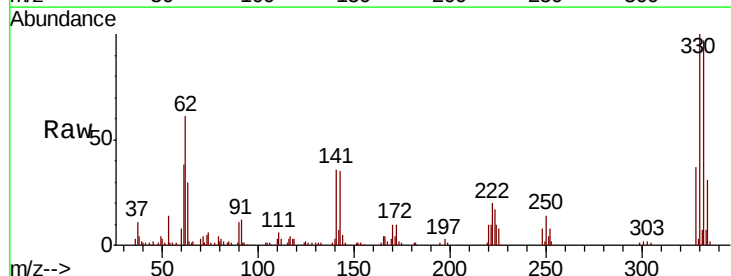


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

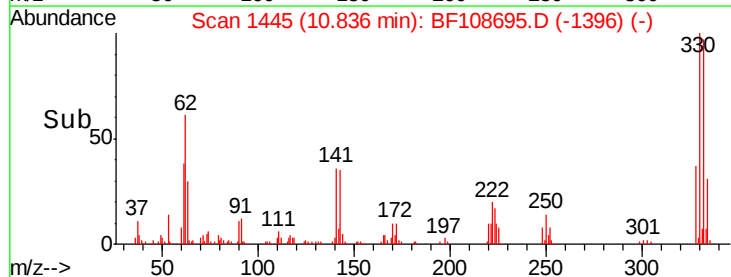
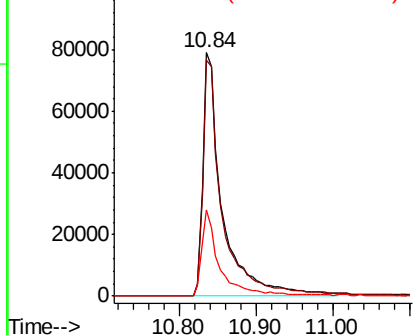


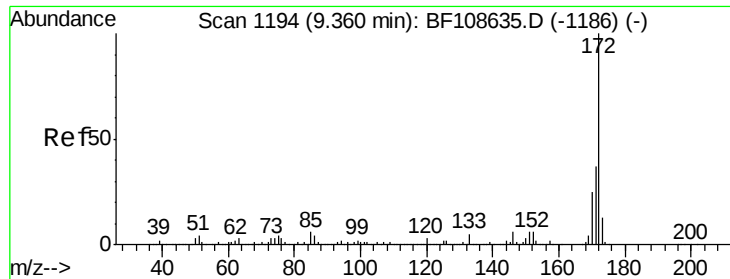
#41
2,4,6-Tribromophenol
Concen: 82.710 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Tgt Ion:330 Resp: 139231
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 32.7 29.9 44.9



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

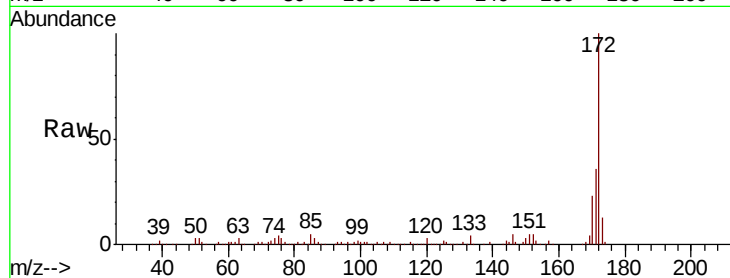




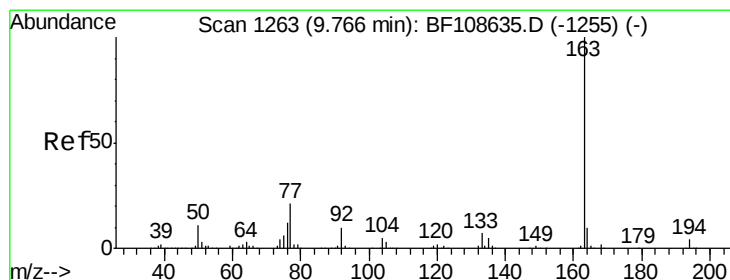
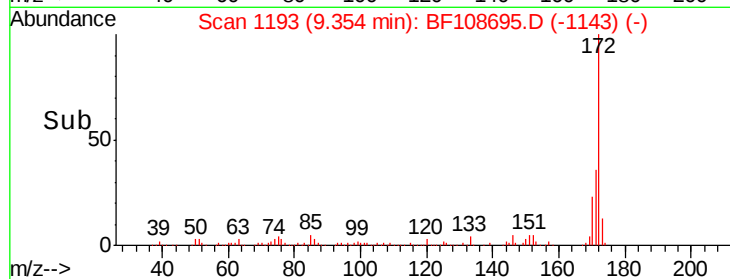
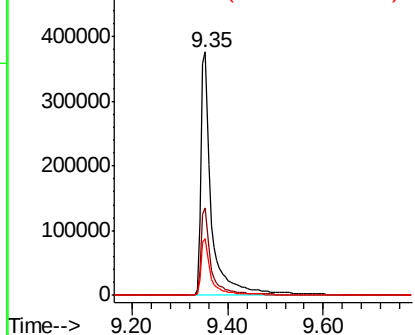
#44
2-Fluorobiphenyl
Concen: 61.312 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 581463
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.4 19.6 29.4

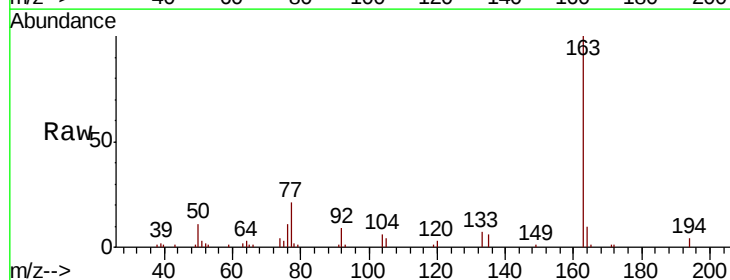


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

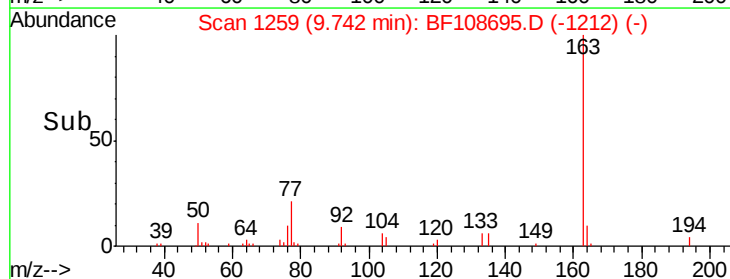
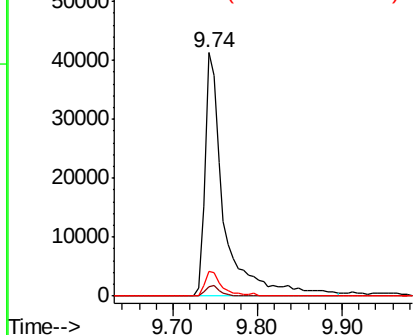


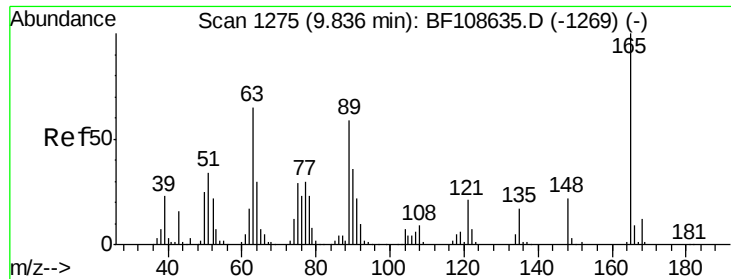
#49
Dimethylphthalate
Concen: 6.491 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Tgt Ion:163 Resp: 65173
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

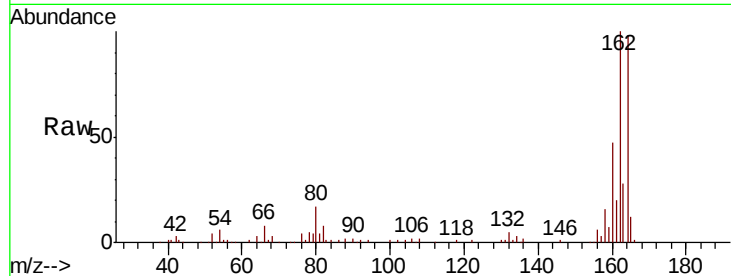




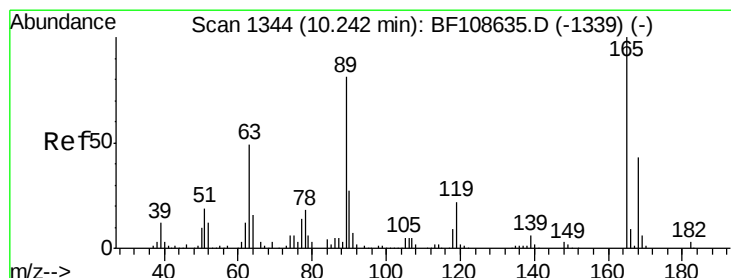
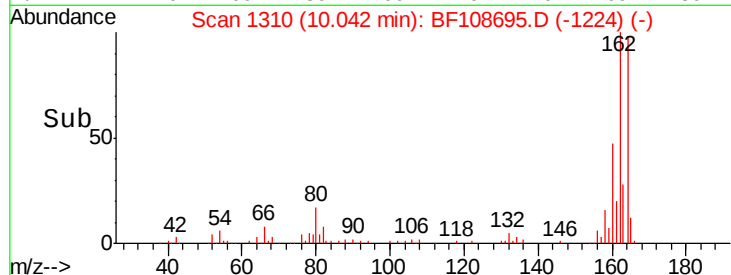
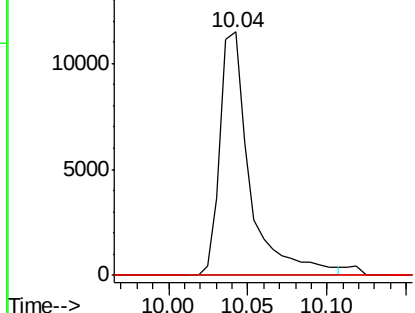
#50
 2,6-Dinitrotoluene
 Concen: 6.820 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108695.D
 Acq: 31 Aug 2018 18:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



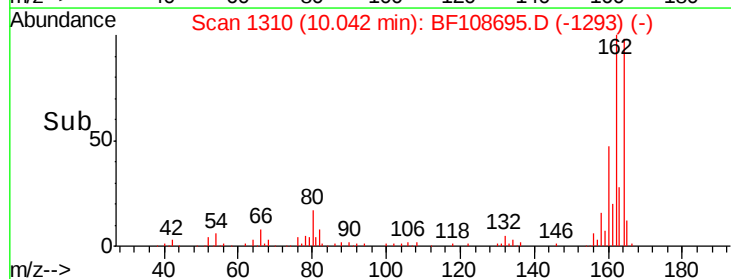
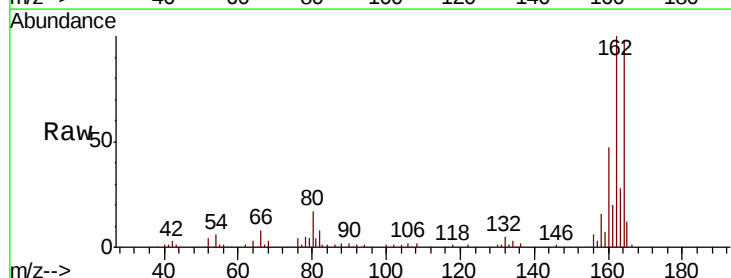
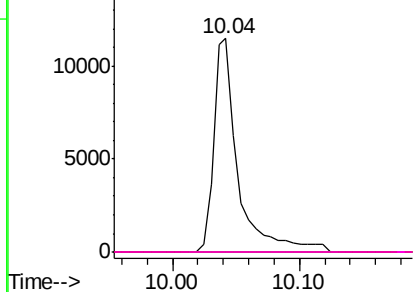
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

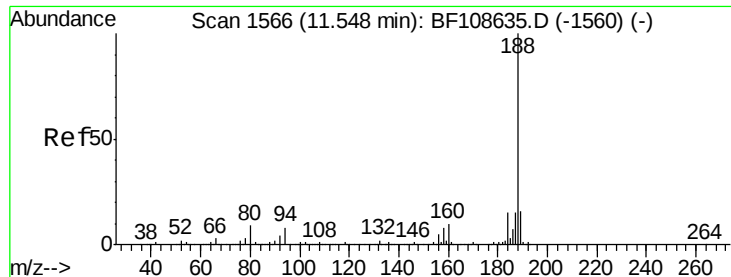


#56
 2,4-Dinitrotoluene
 Concen: 5.248 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.20 min
 Lab File: BF108695.D
 Acq: 31 Aug 2018 18:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

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

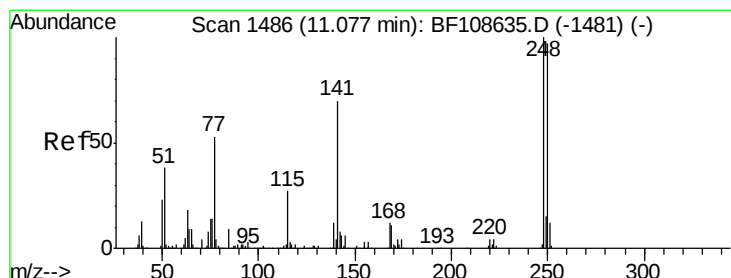
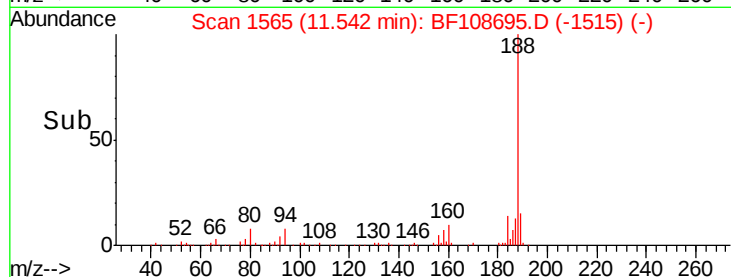
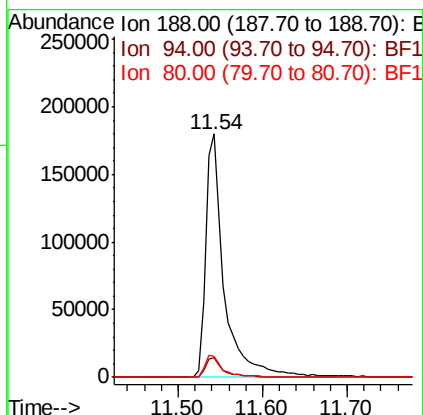
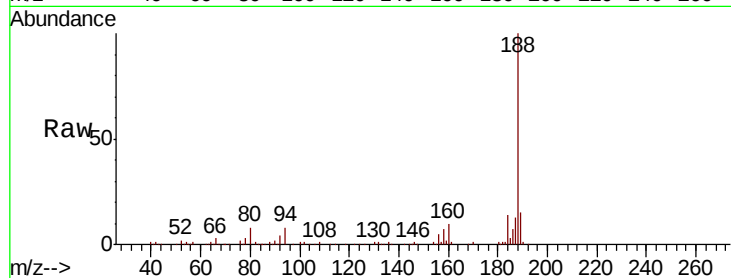




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

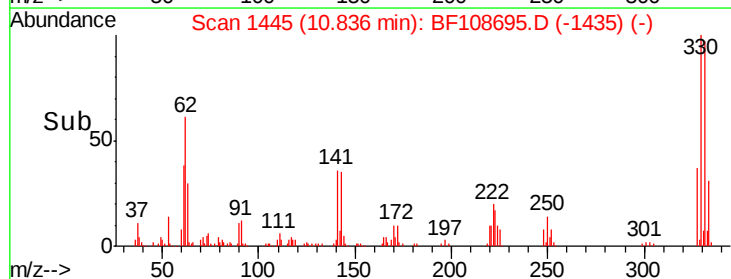
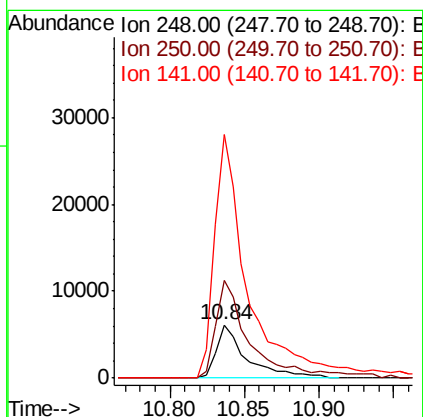
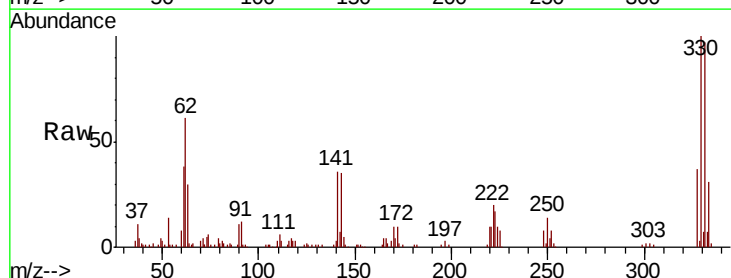
Instrument :
BNA_F
ClientSampleId :

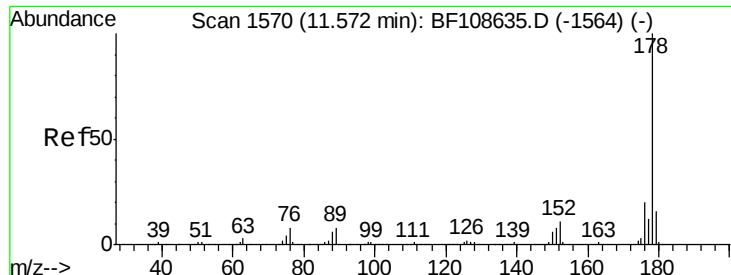
Tot Ion:188 Resp: 272603
Ion Ratio Lower Upper
188 100
94 8.0 8.5 12.7#
80 8.4 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 2.613 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.24 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Tgt Ion:248 Resp: 8756
Ion Ratio Lower Upper
248 100
250 183.9 76.9 115.3#
141 456.9 74.4 111.6#

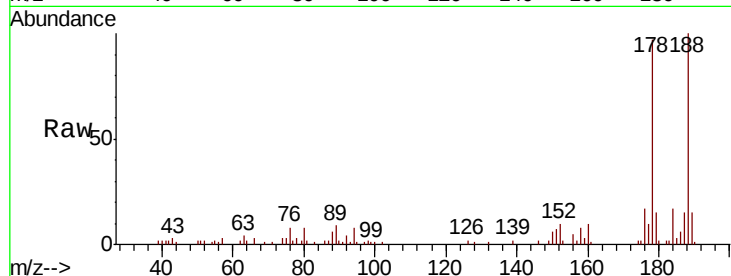




#70
Phenanthrene
Concen: 3.662 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	15.4	13.0	19.6

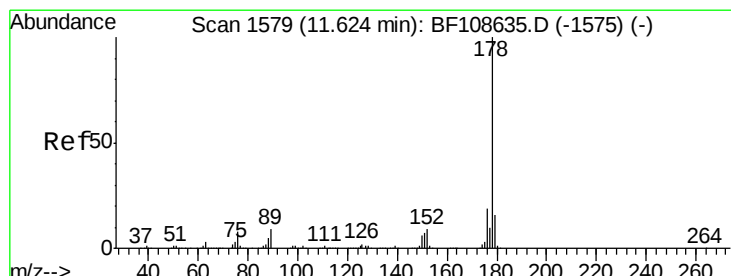
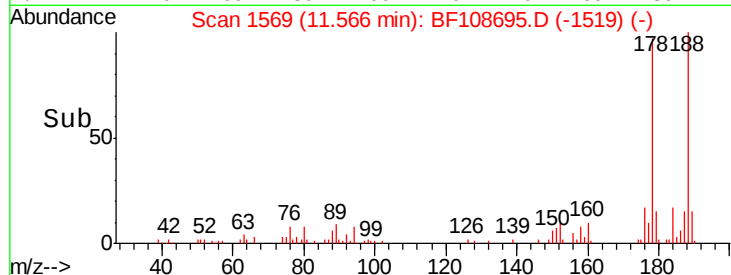
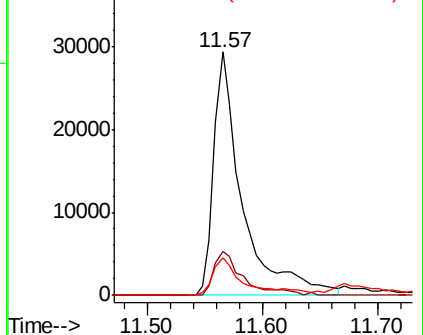


Abundance

Ion 178.00 (177.70 to 178.70): E

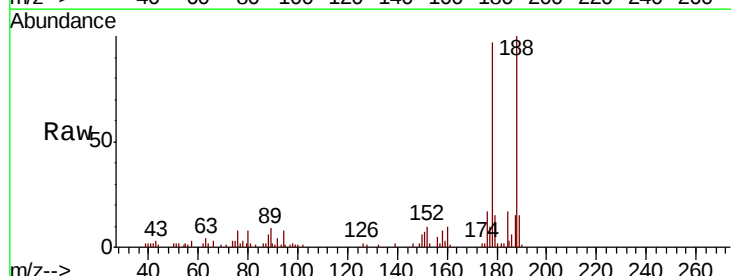
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71
Anthracene
Concen: 3.485 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.06 min
Lab File: BF108695.D
Acq: 31 Aug 2018 18:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.4	12.6	19.0

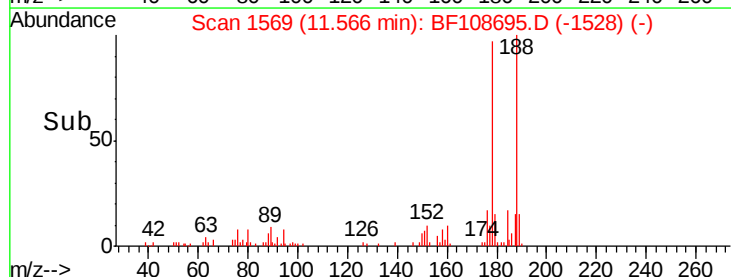
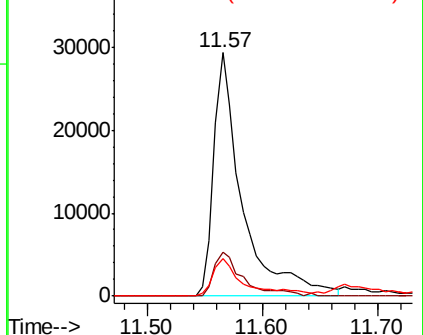


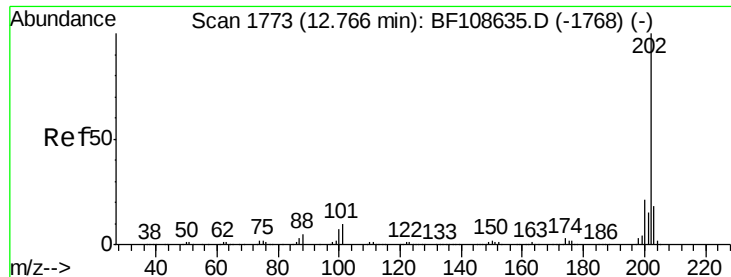
Abundance

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: 5.971 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108695.D

Acq: 31 Aug 2018 18:02

Instrument :

BNA_F

ClientSampleId :

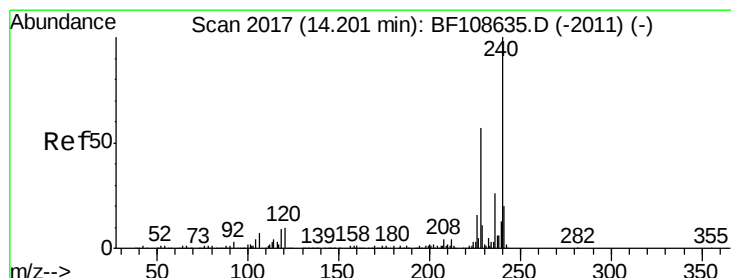
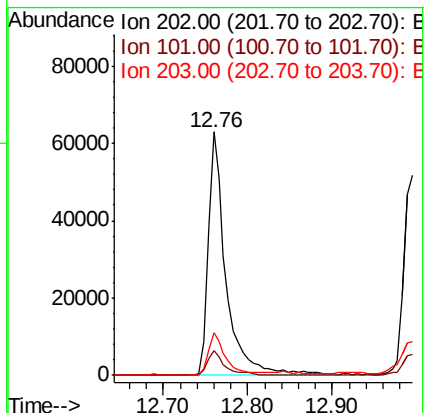
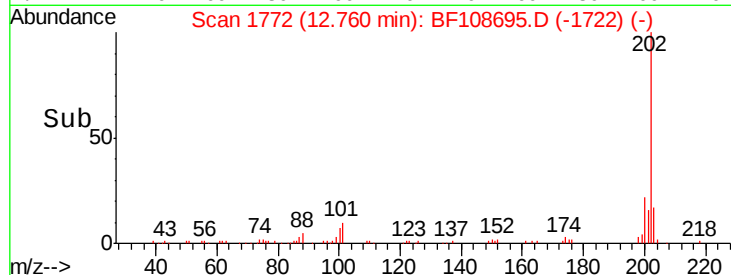
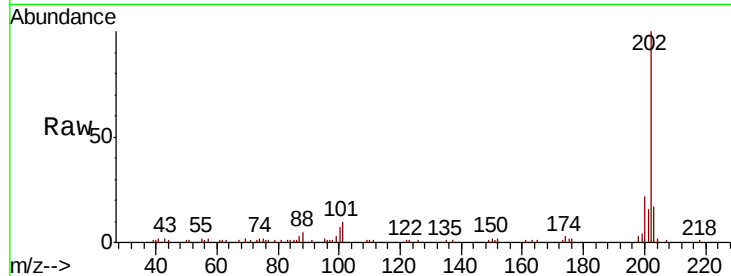
Tot Ion:202 Resp: 92483

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

203 17.3 0.0 38.1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108695.D

Acq: 31 Aug 2018 18:02

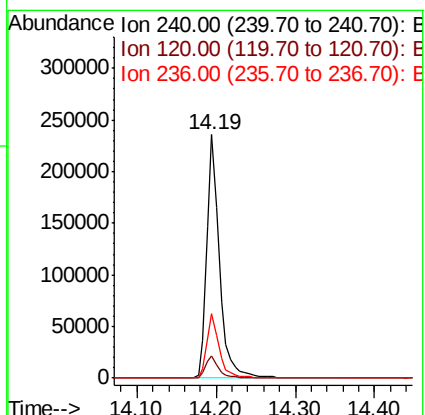
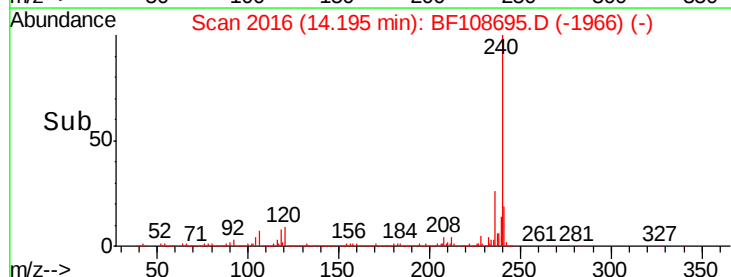
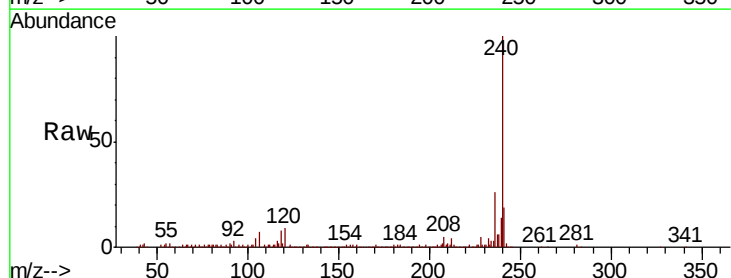
Tgt Ion:240 Resp: 265807

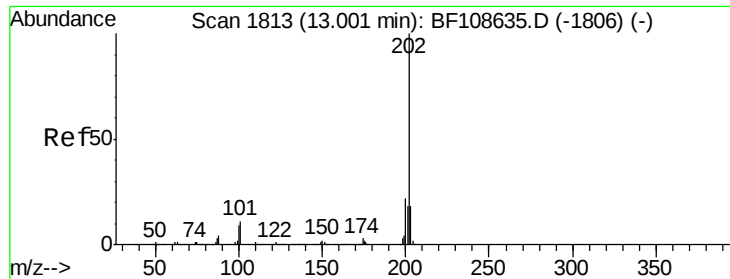
Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

236 26.4 20.7 31.1





#77

Pvrene

Concen: 3.847 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108695.D

Acq: 31 Aug 2018 18:02

Instrument :

BNA_F

ClientSampleId :

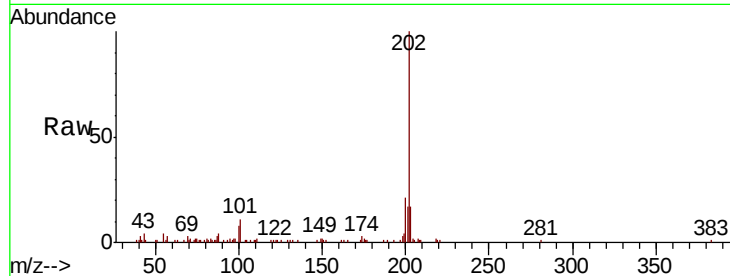
Tot Ion:202 Resp: 76872

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

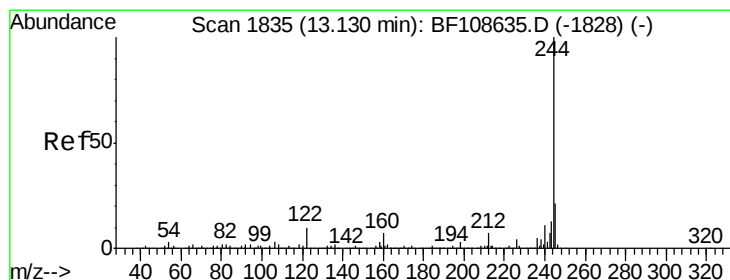
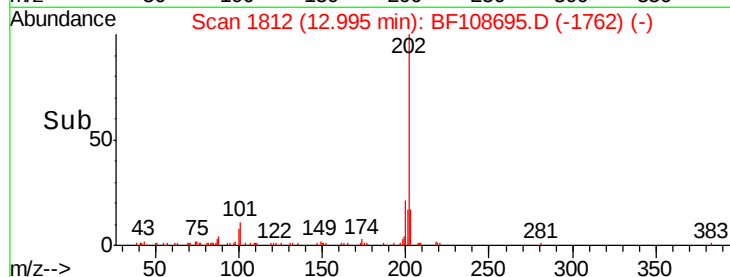
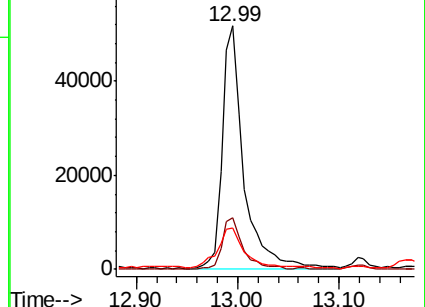
203 17.1 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 51.509 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108695.D

Acq: 31 Aug 2018 18:02

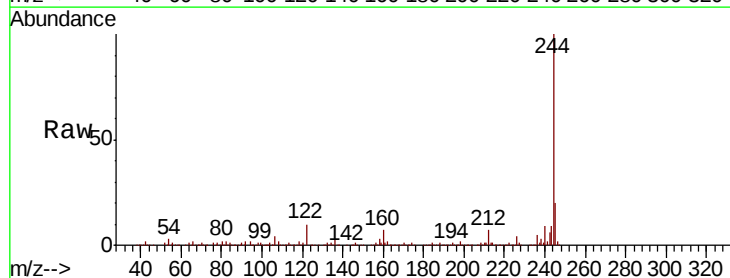
Tgt Ion:244 Resp: 704677

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

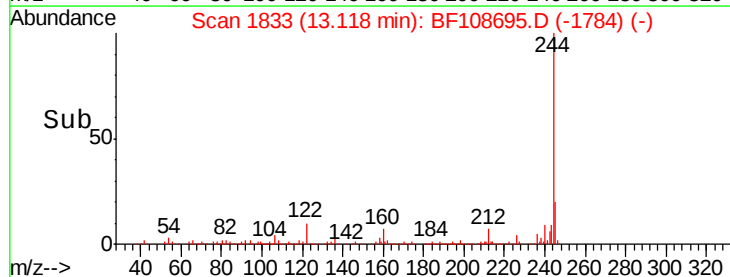
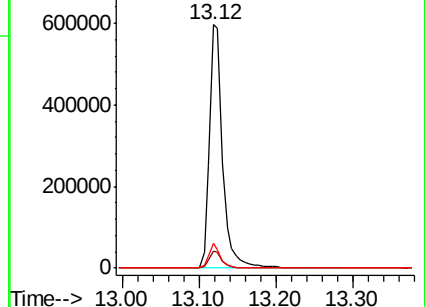
122 10.1 11.0 16.4#

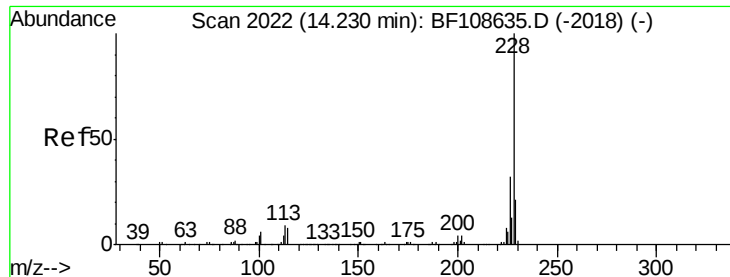


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.455 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108695.D

Acq: 31 Aug 2018 18:02

Instrument :

BNA_F

ClientSampleId :

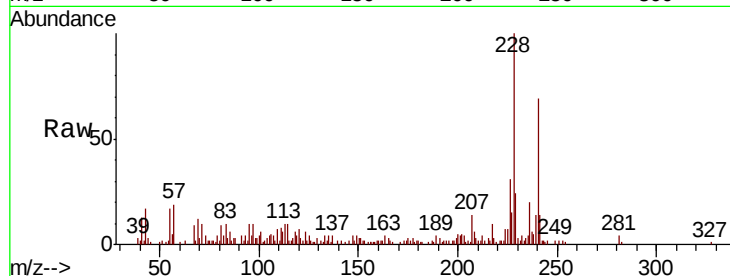
Tot Ion:228 Resp: 38262

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

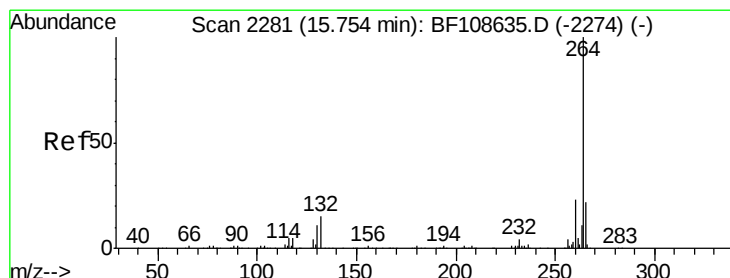
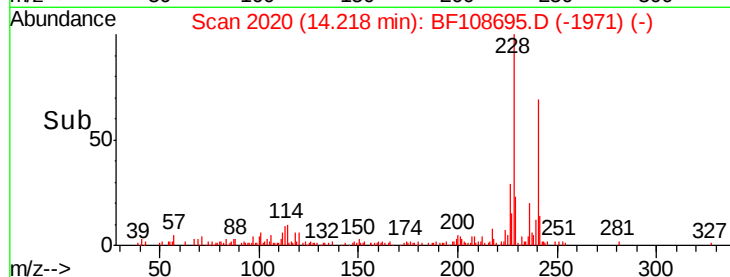
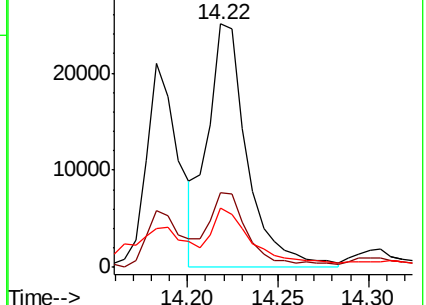
229 24.1 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BF108695.D

Acq: 31 Aug 2018 18:02

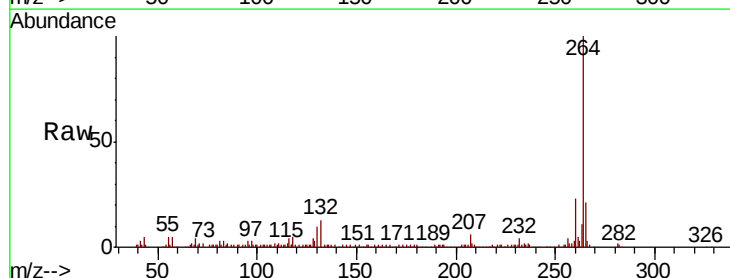
Tgt Ion:264 Resp: 192422

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

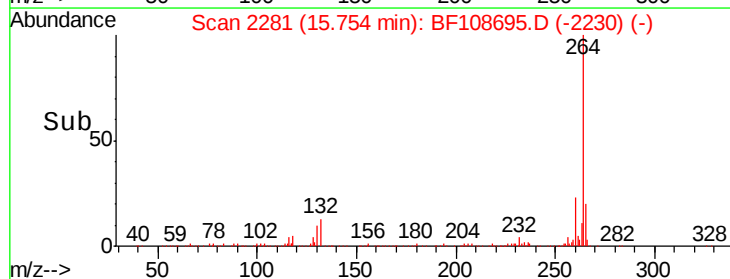
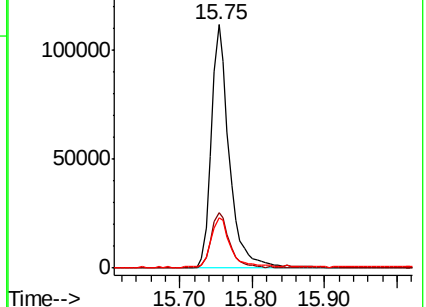
265 20.9 17.5 26.3

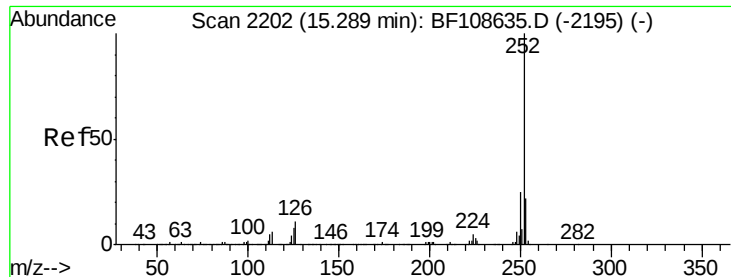


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.370 ng

RT: 15.29 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BF108695.D

Acq: 31 Aug 2018 18:02

Instrument :

BNA_F

ClientSampleId :

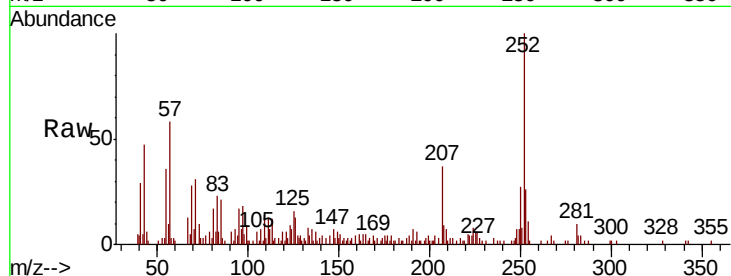
Tot Ion:252 Resp: 51653

Ion Ratio Lower Upper

252 100

253 26.2 17.0 25.6#

125 15.7 9.0 13.6#

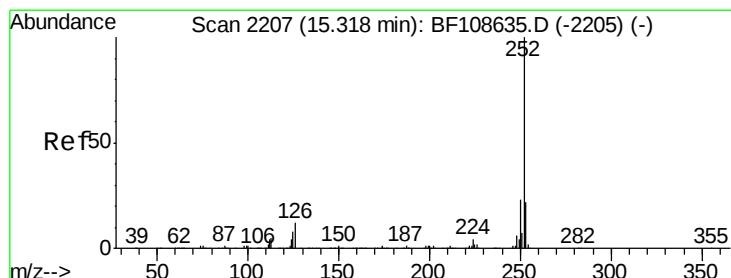
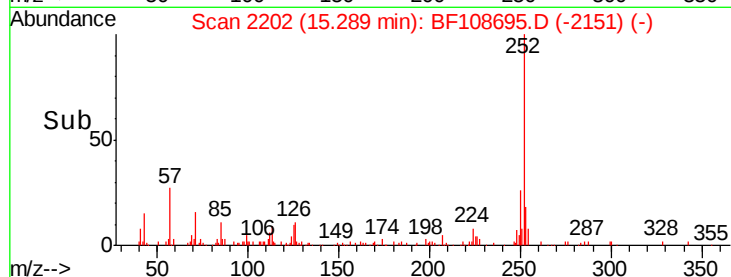
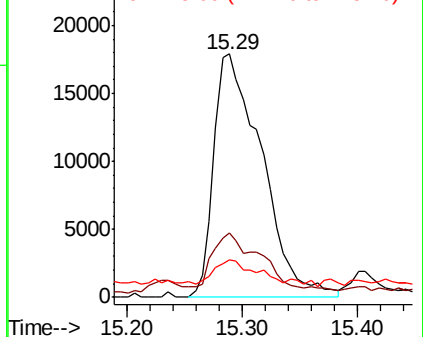


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.411 ng

RT: 15.29 min Scan# 2202

Delta R.T. -0.03 min

Lab File: BF108695.D

Acq: 31 Aug 2018 18:02

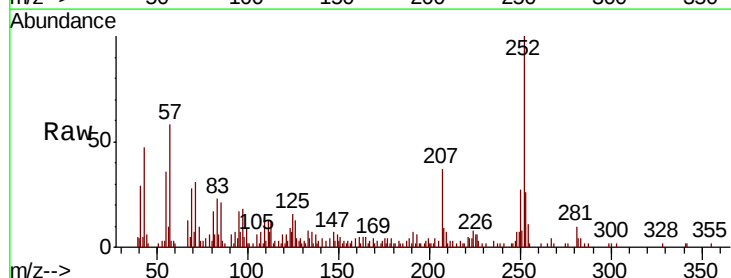
Tgt Ion:252 Resp: 51653

Ion Ratio Lower Upper

252 100

253 26.2 17.9 26.9

125 15.7 10.2 15.2#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

