

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108735.D
 Acq On : 4 Sep 2018 12:47
 Operator : JU/SJ
 Sample : J4712-10RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 14:33:23 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

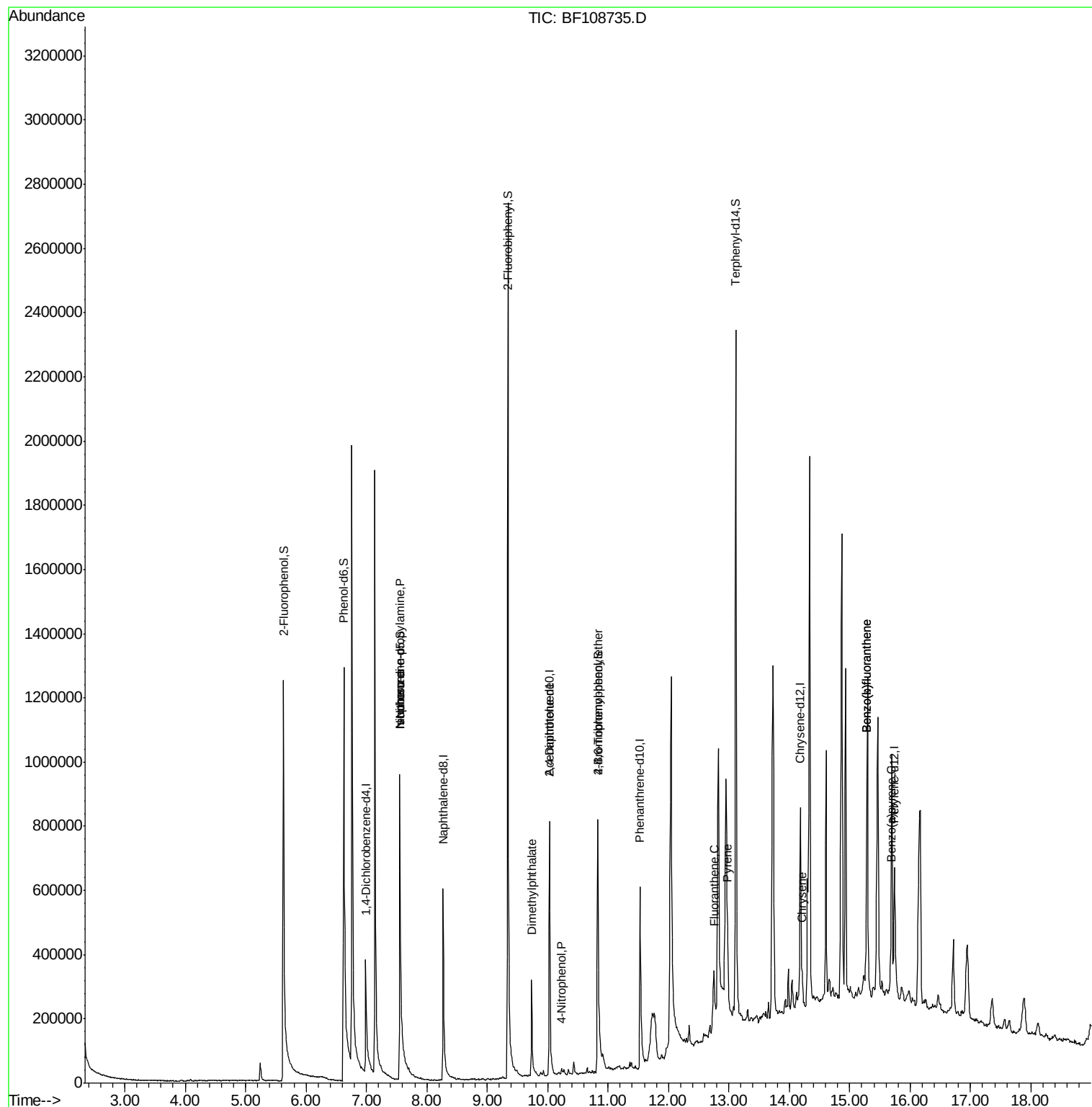
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	103594	20.00	ng	-0.02
21) Naphthalene-d8	8.27	136	412988	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	188706	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	325470	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	284183	20.00	ng	-0.02
86) Perylene-d12	15.74	264	285441	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	635825	106.62	ng	-0.02
7) Phenol-d6	6.62	99	936405	109.64	ng	-0.02
23) Nitrobenzene-d5	7.55	82	638090	78.42	ng	-0.02
41) 2,4,6-Tribromophenol	10.83	330	173994	69.84	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	1110116	79.10	ng	-0.02
78) Terphenyl-d14	13.11	244	866610	59.25	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.55	70	77516	13.553	ng	# 82
25) Isophorone	7.55	82	638090	47.211	ng	# 64
49) Dimethylphthalate	9.74	163	175149	11.787	ng	# 99
55) 4-Nitrophenol	10.22	139	232	4.856	ng	# 18
56) 2,4-Dinitrotoluene	10.03	165	24646	5.683	ng	# 24
66) 4-Bromophenyl-phenylether	10.83	248	10330	2.582	ng	# 1
74) Fluoranthene	12.75	202	63204	3.418	ng	98
77) Pyrene	12.98	202	71812	3.362	ng	99
82) Chrysene	14.21	228	34089	2.046	ng	95
87) Benzo(b)fluoranthene	15.28	252	63413	3.616	ng	# 79
88) Benzo(k)fluoranthene	15.28	252	63413	3.651	ng	# 82
89) Benzo(a)pyrene	15.68	252	32844	2.073	ng	# 87

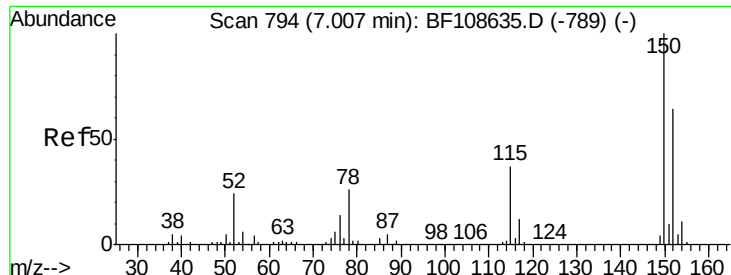
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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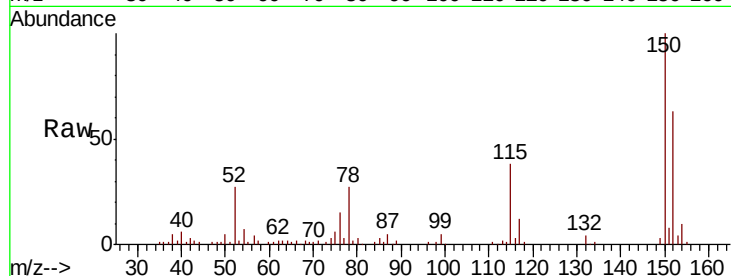


#1

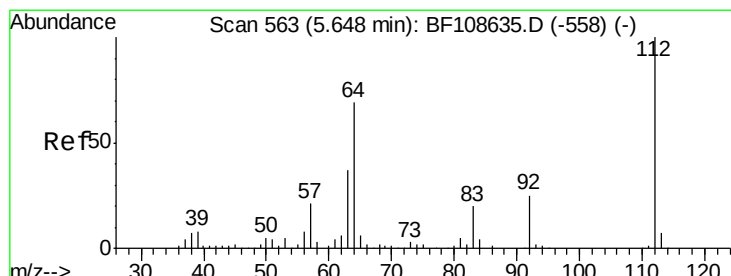
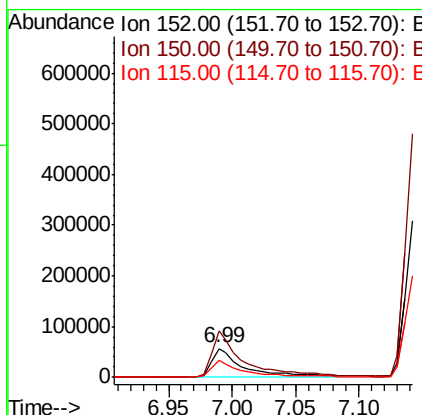
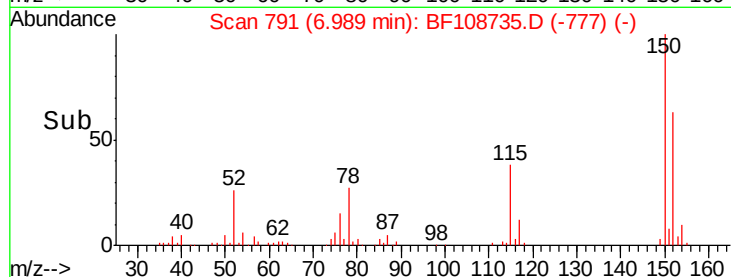
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.99 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103594
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 60.6 50.1 75.1



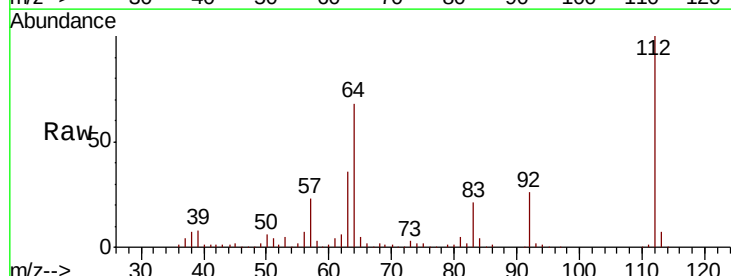
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



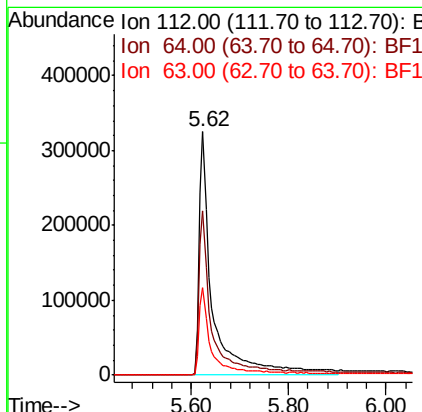
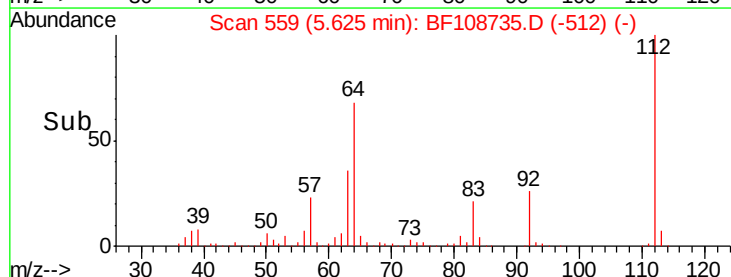
#5

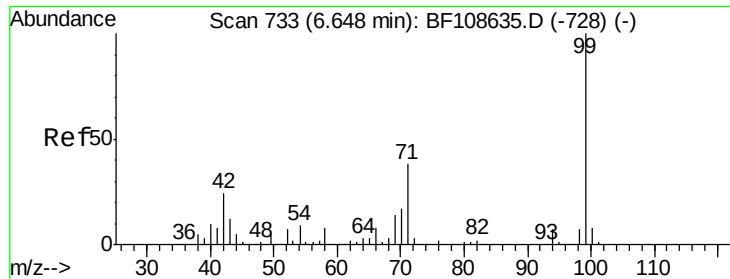
2-Fluorophenol
Concen: 106.624 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

Tgt Ion:112 Resp: 635825
Ion Ratio Lower Upper
112 100
64 67.6 47.9 71.9
63 36.2 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: 109.637 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108735.D

Acq: 4 Sep 2018 12:47

Instrument :

BNA_F

ClientSampled :

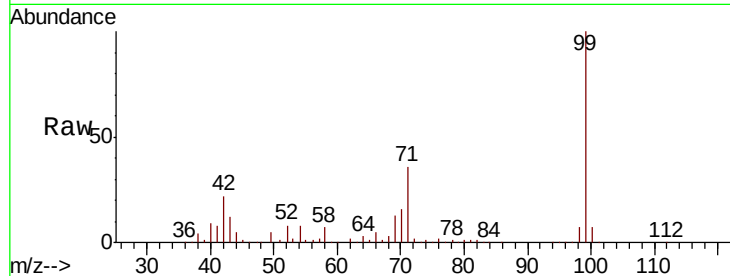
Tot Ion: 99 Resp: 936405

Ion Ratio Lower Upper

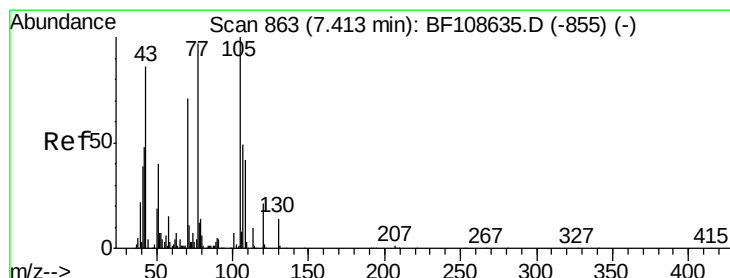
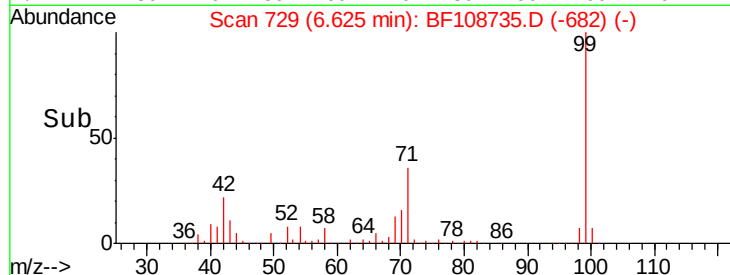
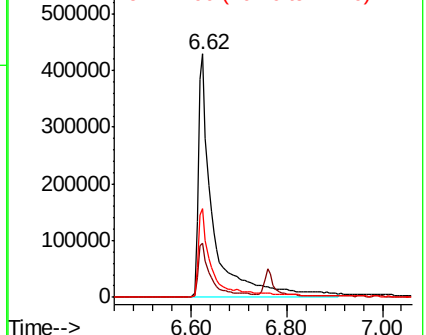
99 100

42 22.1 14.5 21.7#

71 36.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.553 ng

RT: 7.55 min Scan# 887

Delta R.T. 0.14 min

Lab File: BF108735.D

Acq: 4 Sep 2018 12:47

Tgt Ion: 70 Resp: 77516

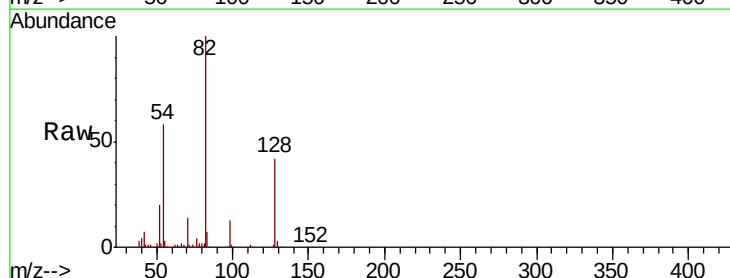
Ion Ratio Lower Upper

70 100

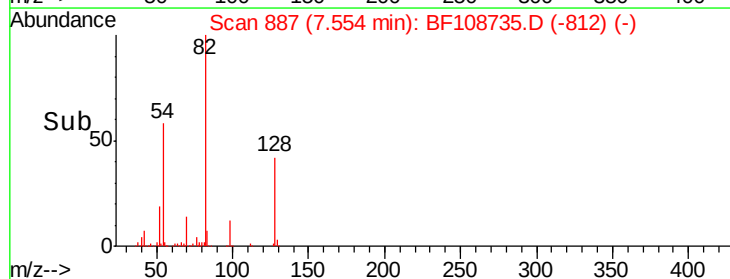
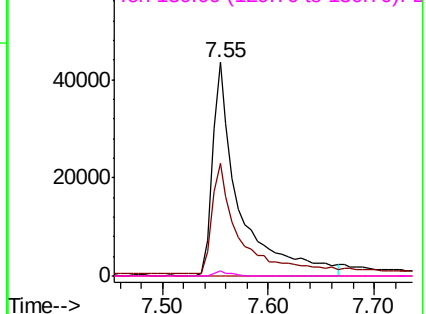
42 52.6 47.5 71.3

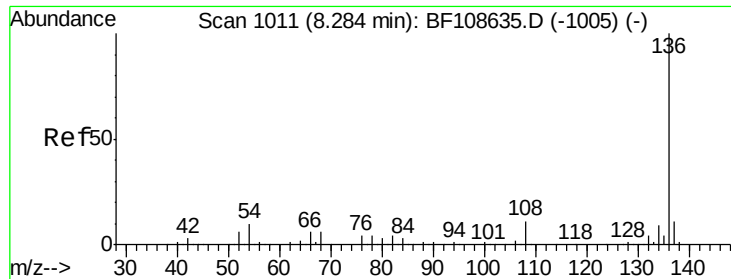
101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

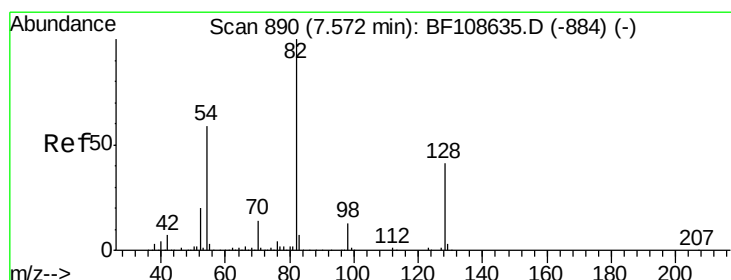
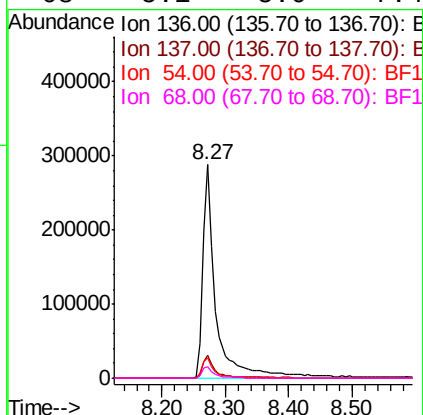
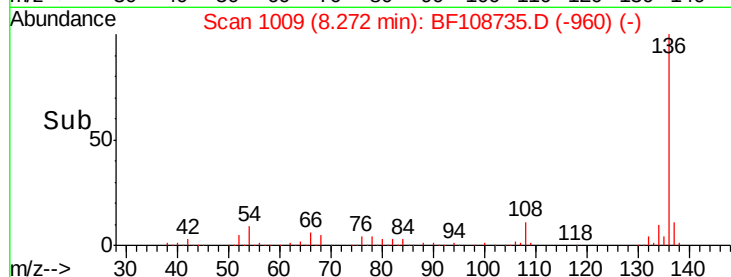
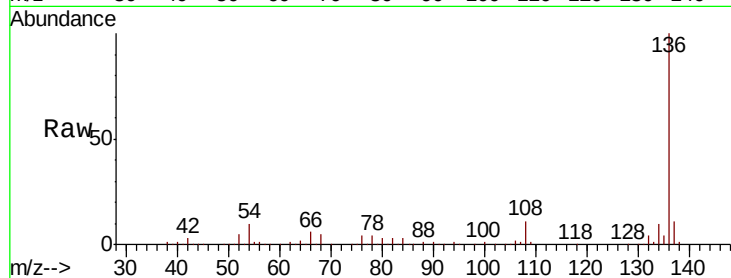




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

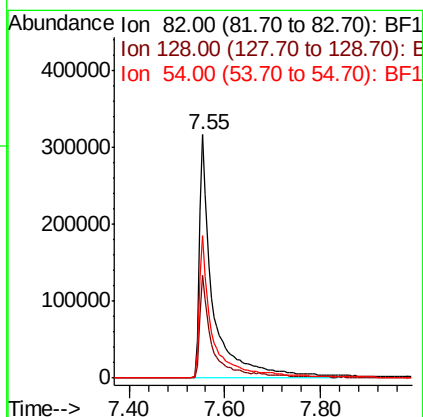
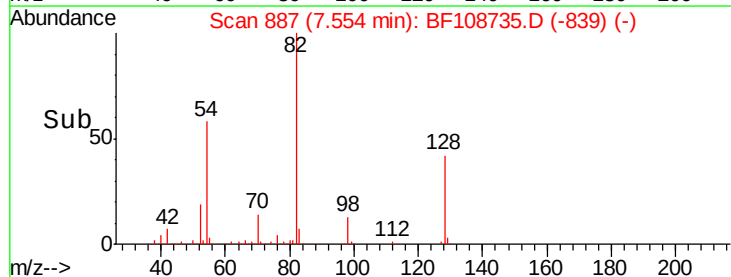
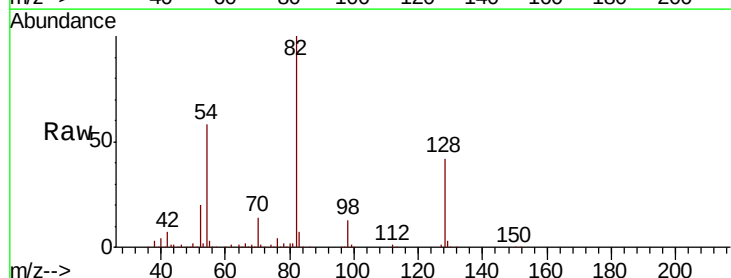
Instrument :
BNA_F
ClientSampleId :

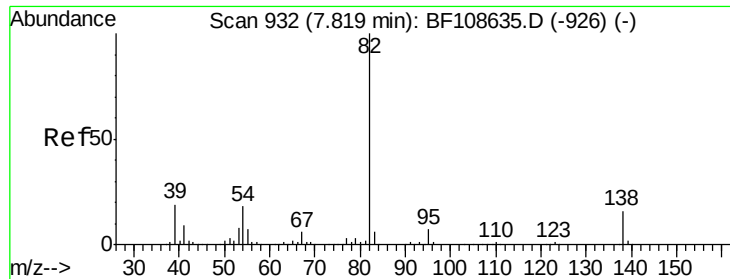
Tot Ion:136	Resp:	412988
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	9.5	6.6 9.8
68	5.1	5.0 7.4



#23
Nitrobenzene-d5
Concen: 78.425 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

Tgt Ion: 82	Resp:	638090
Ion Ratio	Lower	Upper
82	100	
128	42.1	36.1 54.1
54	58.4	41.4 62.2





#25

Isophorone

Concen: 47.211 ng

RT: 7.55 min Scan# 887

Delta R.T. -0.26 min

Lab File: BF108735.D

Acq: 4 Sep 2018 12:47

Instrument :

BNA_F

ClientSampleId :

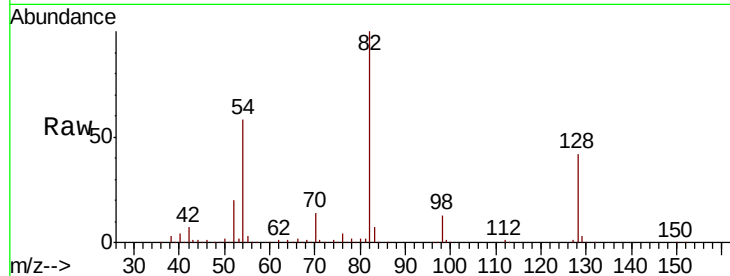
Tot Ion: 82 Resp: 638090

Ion Ratio Lower Upper

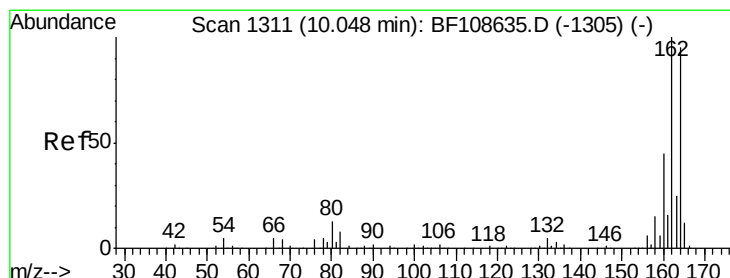
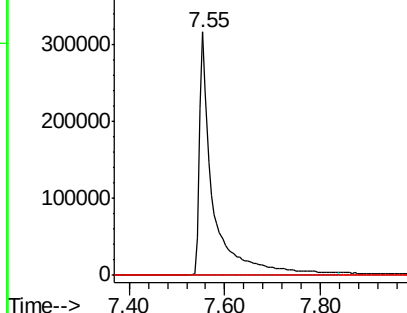
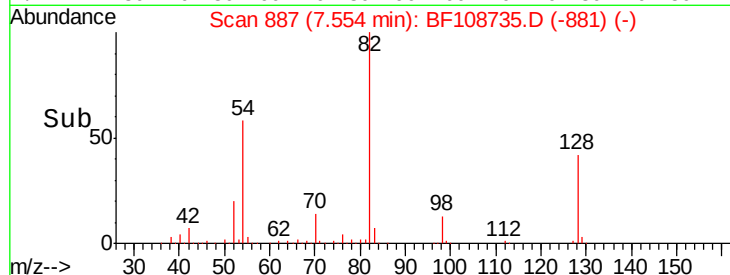
82 100

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: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108735.D

Acq: 4 Sep 2018 12:47

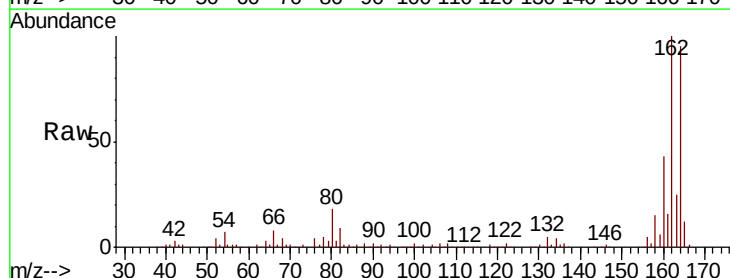
Tgt Ion:164 Resp: 188706

Ion Ratio Lower Upper

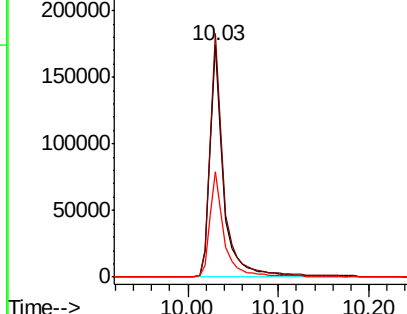
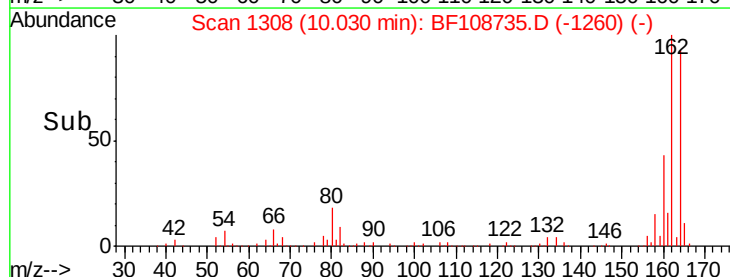
164 100

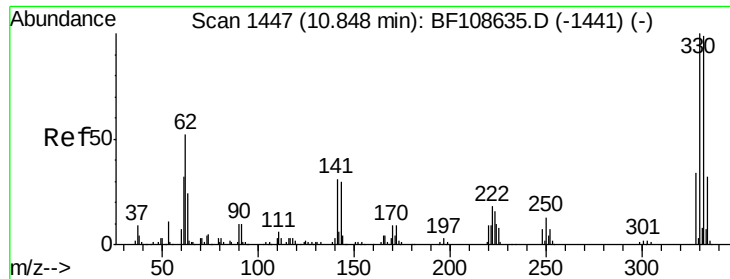
162 105.0 86.1 129.1

160 45.3 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

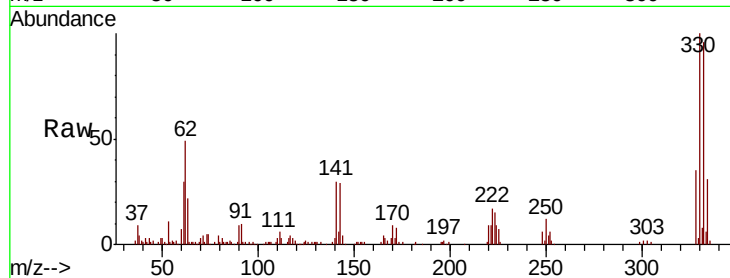




#41
 2,4,6-Tribromophenol
 Concen: 69.845 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108735.D
 Acq: 4 Sep 2018 12:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	33.7	29.9	44.9

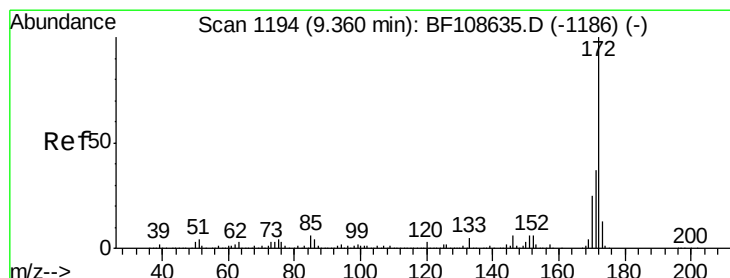
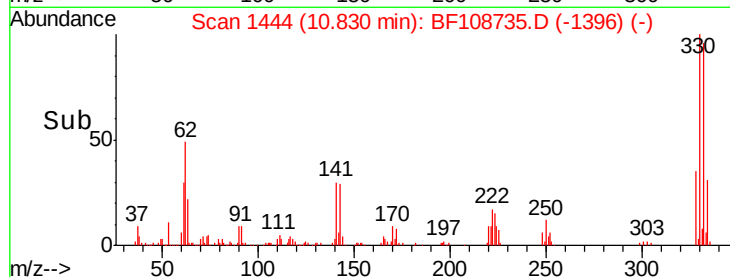
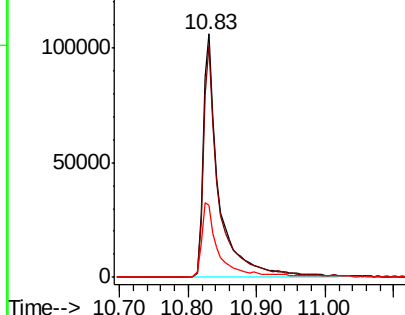


Abundance

Ion 329.80 (329.50 to 330.50): E

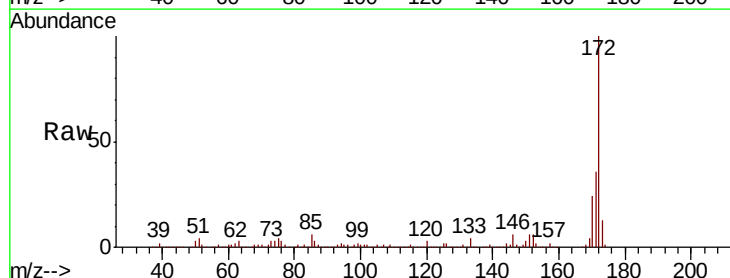
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 79.098 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108735.D
 Acq: 4 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.3	19.6	29.4

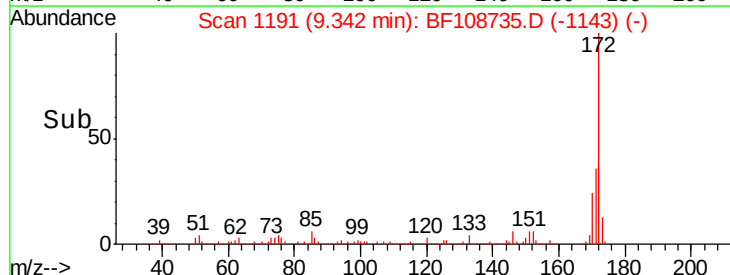
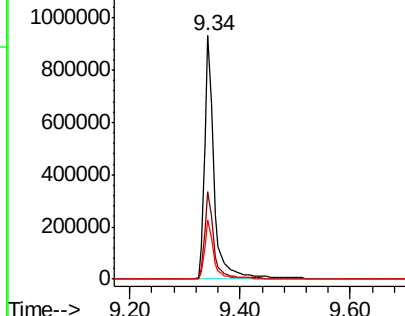


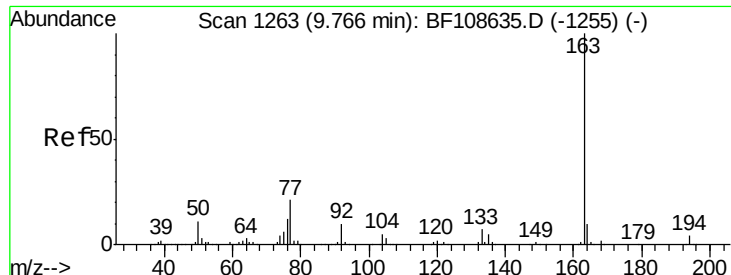
Abundance

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

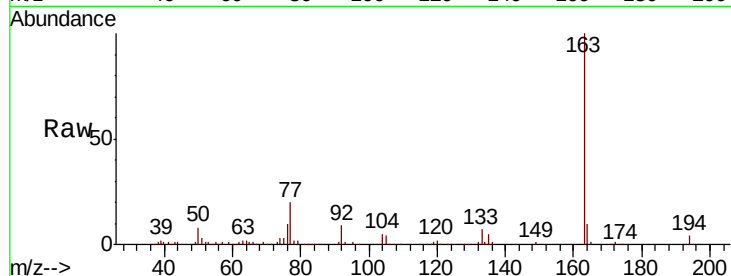




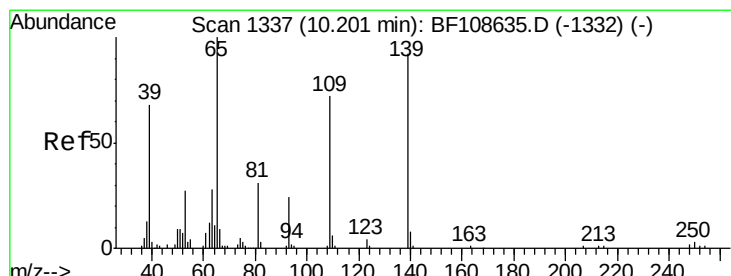
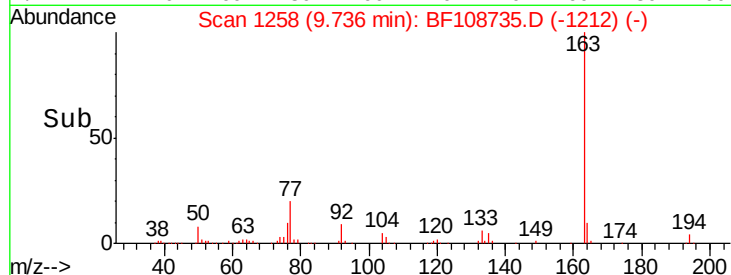
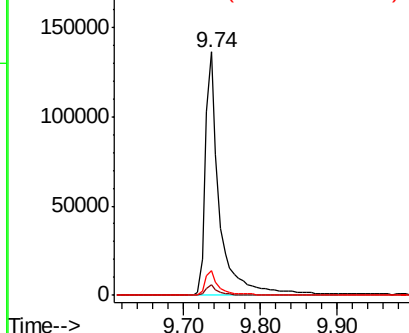
#49
Dimethylphthalate
Concen: 11.787 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 175149
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.0 8.2 12.2

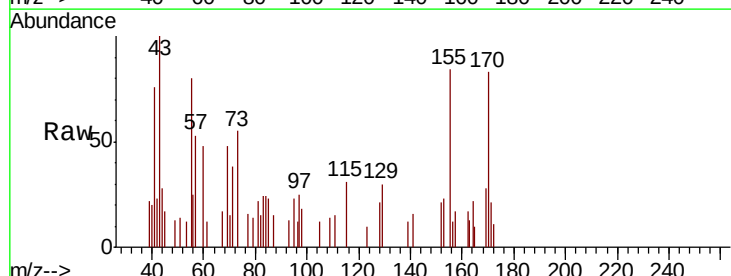


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

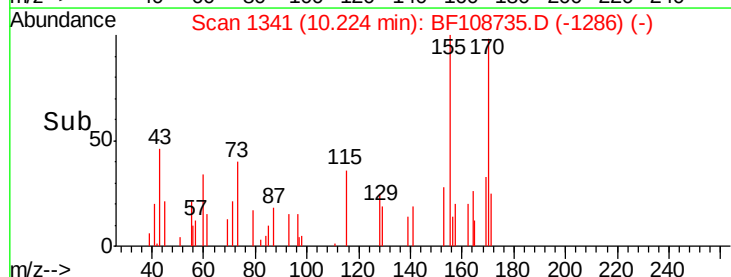
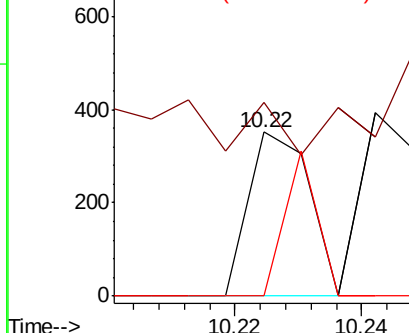


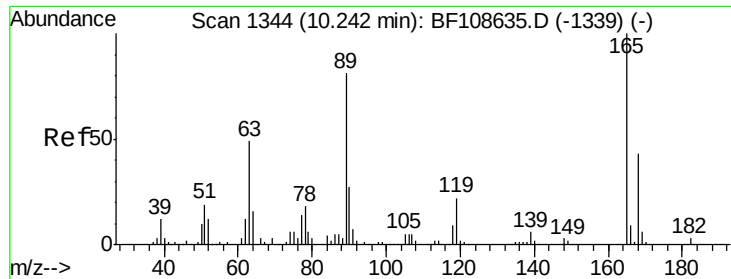
#55
4-Nitrophenol
Concen: 4.856 ng
RT: 10.22 min Scan# 1341
Delta R.T. 0.02 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

Tgt Ion:139 Resp: 232
Ion Ratio Lower Upper
139 100
109 118.5 48.4 88.4#
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

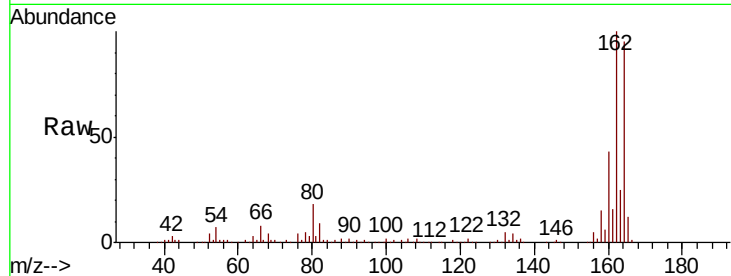




#56
2,4-Dinitrotoluene
Concen: 5.683 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.21 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

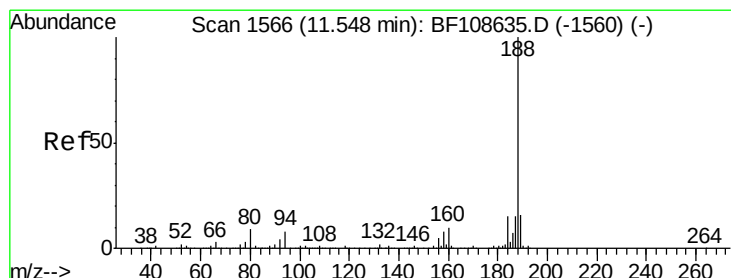
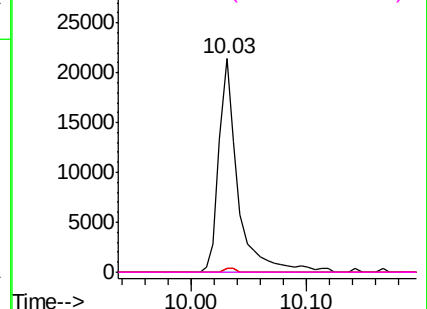
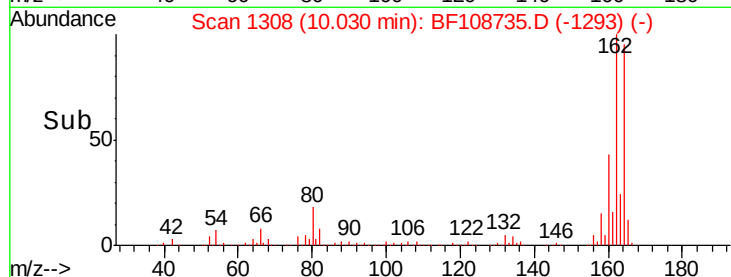


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

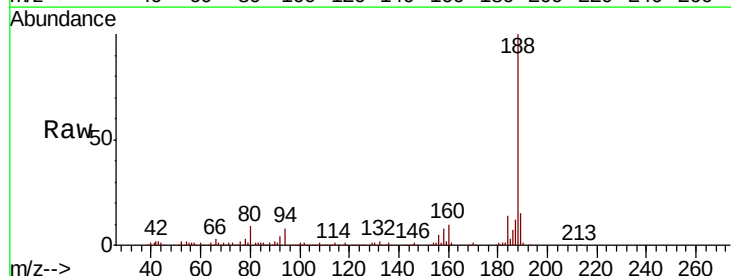
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

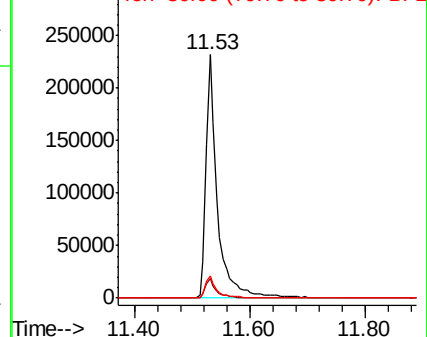
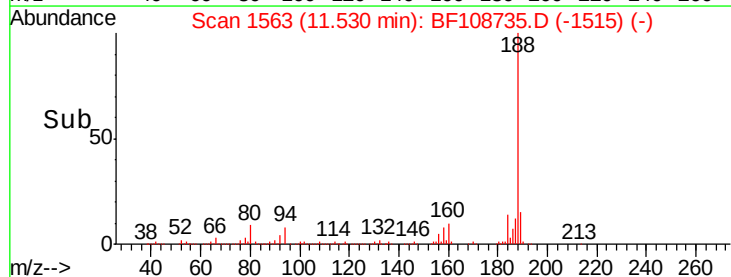
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.9	9.2	13.8#

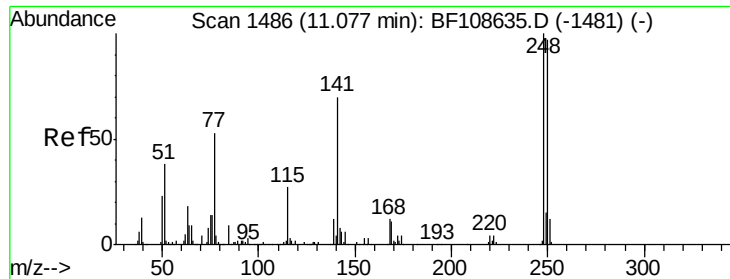


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

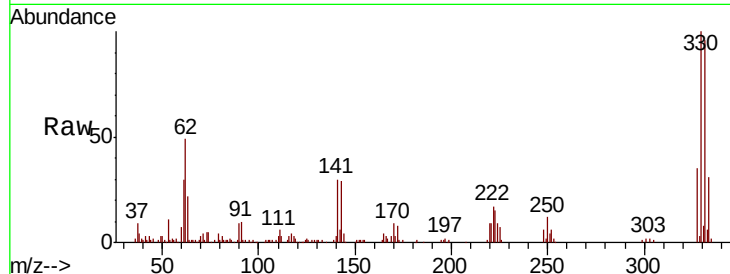




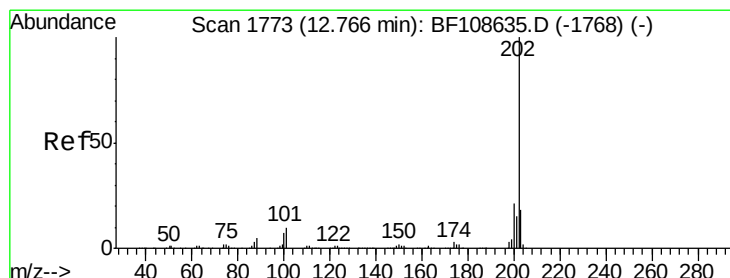
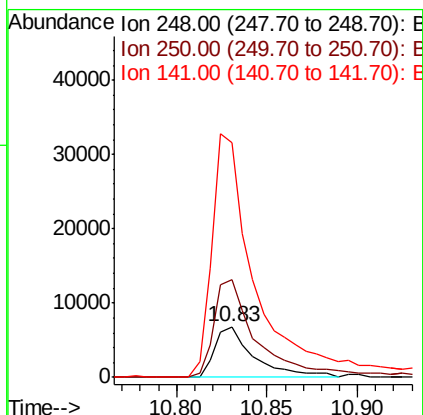
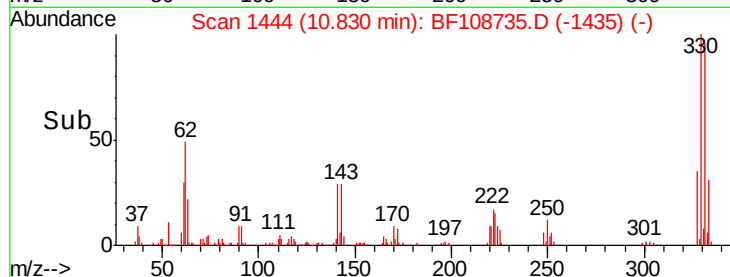
#66
 4-Bromophenyl-phenylether
 Concen: 2.582 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.25 min
 Lab File: BF108735.D
 Acq: 4 Sep 2018 12:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10330
 Ion Ratio Lower Upper
 248 100
 250 193.7 76.9 115.3#
 141 464.5 74.4 111.6#

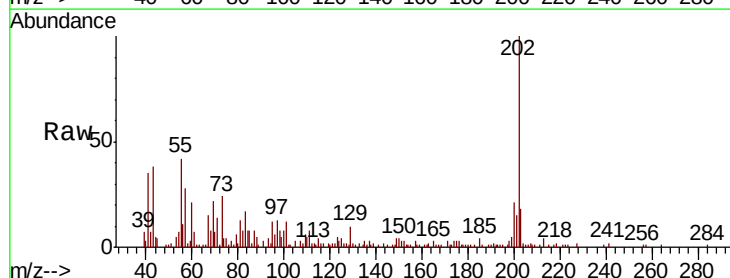


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

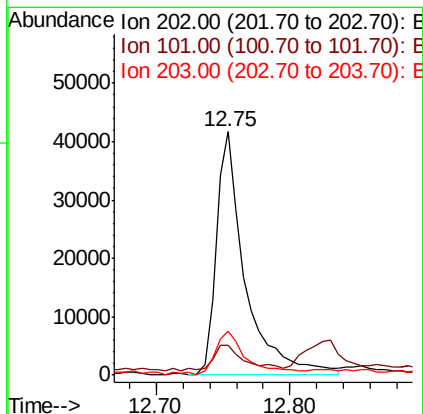
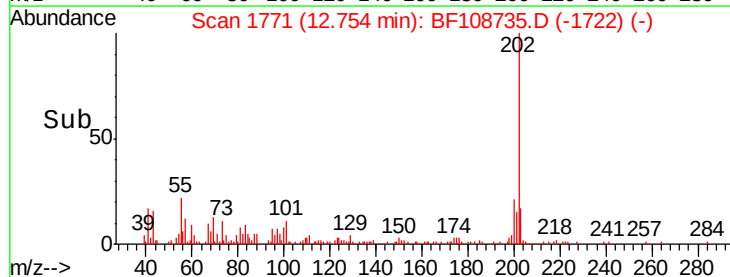


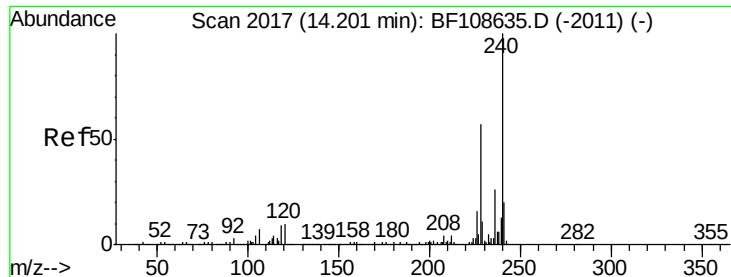
#74
 Fluoranthene
 Concen: 3.418 ng
 RT: 12.75 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF108735.D
 Acq: 4 Sep 2018 12:47

Tgt Ion:202 Resp: 63204
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 34.1
 203 18.0 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BF108735.D

Acq: 4 Sep 2018 12:47

Instrument :

BNA_F

ClientSampled :

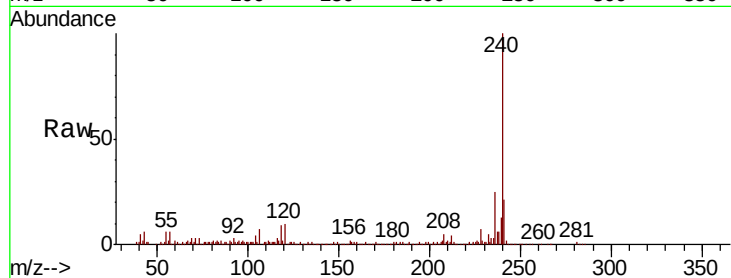
Tot Ion:240 Resp: 284183

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

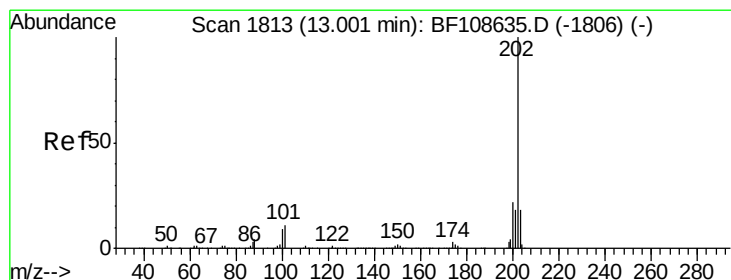
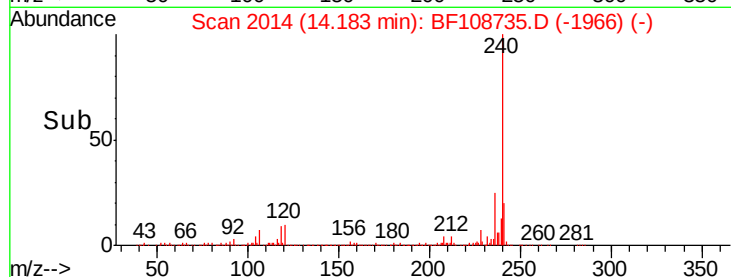
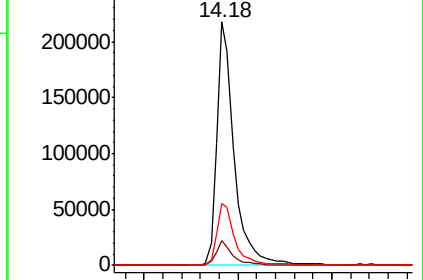
236 25.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.362 ng

RT: 12.98 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF108735.D

Acq: 4 Sep 2018 12:47

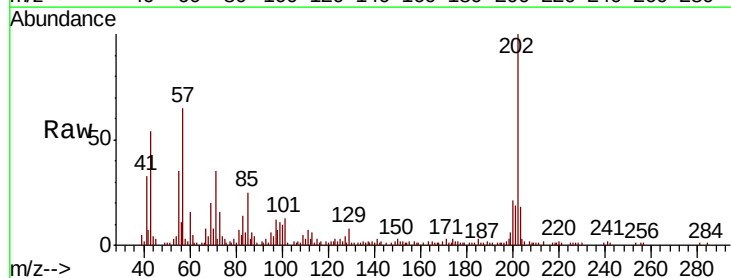
Tgt Ion:202 Resp: 71812

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

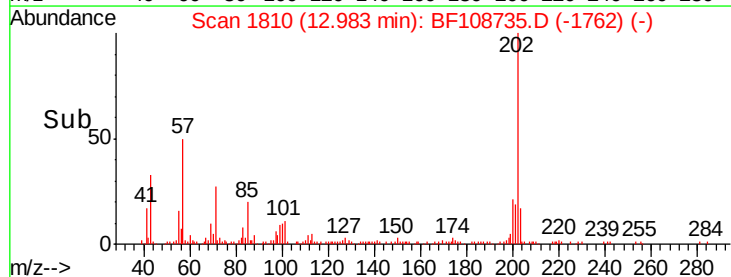
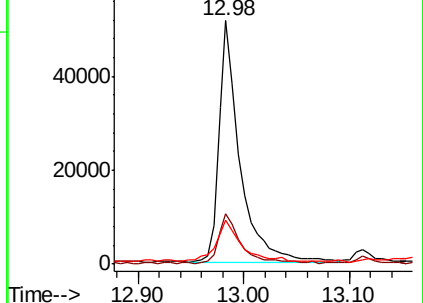
203 18.1 14.3 21.5

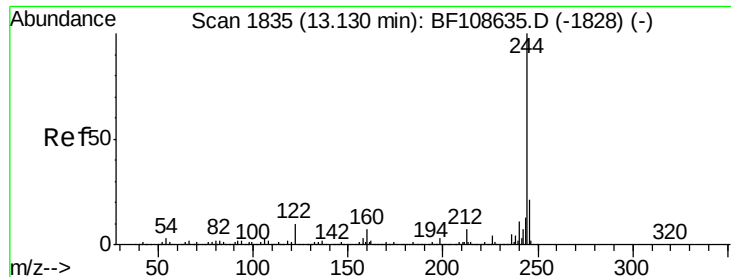


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

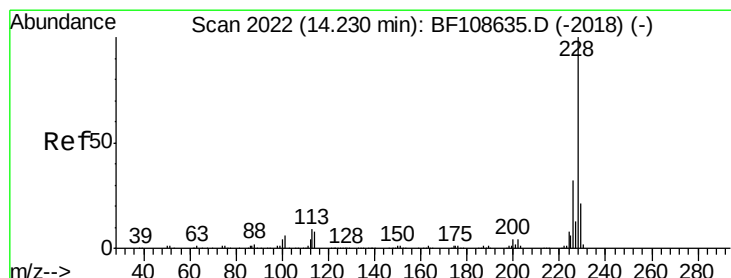
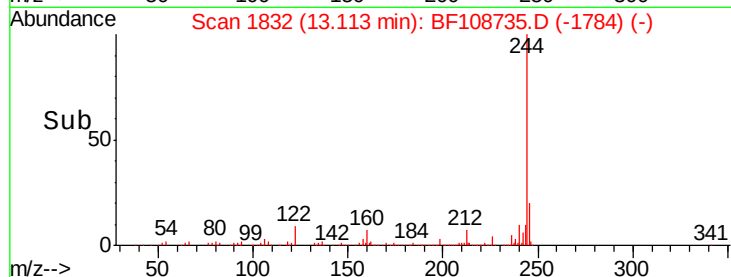
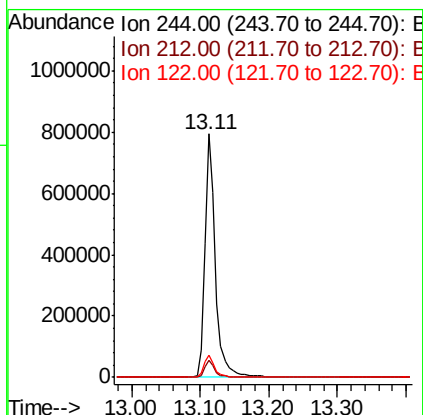
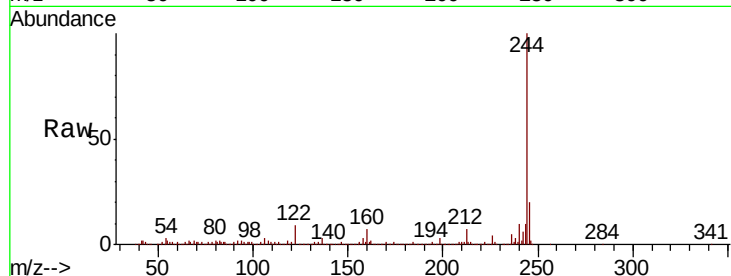




#78
 Terphenyl-d14
 Concen: 59.250 ng
 RT: 13.11 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF108735.D
 Acq: 4 Sep 2018 12:47

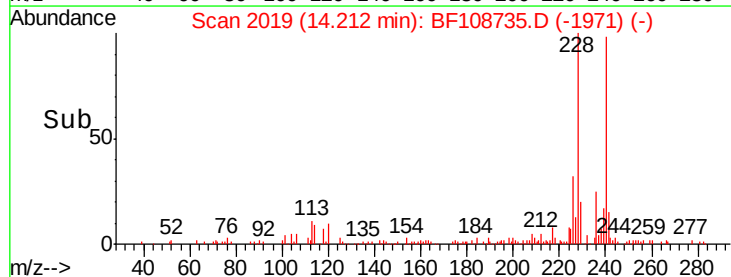
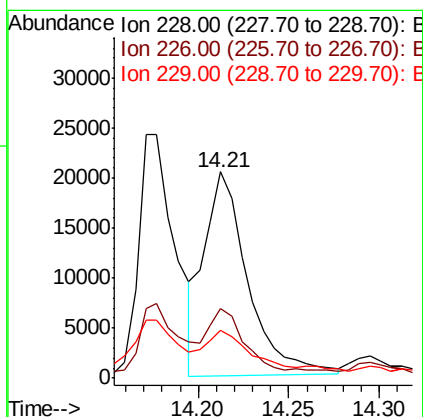
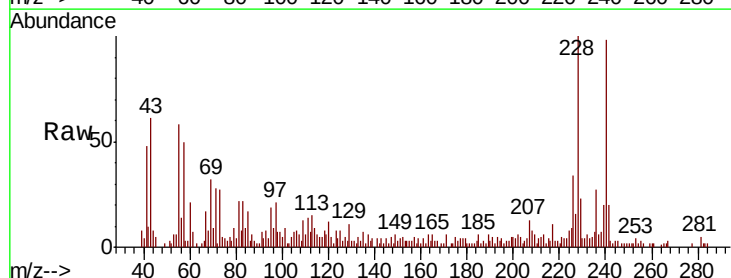
Instrument :
 BNA_F
 ClientSampled :

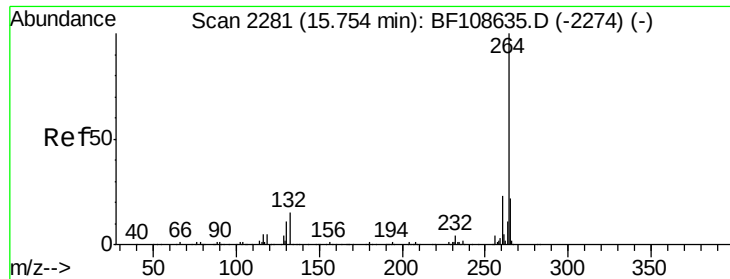
Tot Ion:244 Resp: 866610
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 9.0 11.0 16.4#



#82
 Chrysene
 Concen: 2.046 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.02 min
 Lab File: BF108735.D
 Acq: 4 Sep 2018 12:47

Tgt Ion:228 Resp: 34089
 Ion Ratio Lower Upper
 228 100
 226 33.8 25.0 37.6
 229 22.9 16.2 24.4

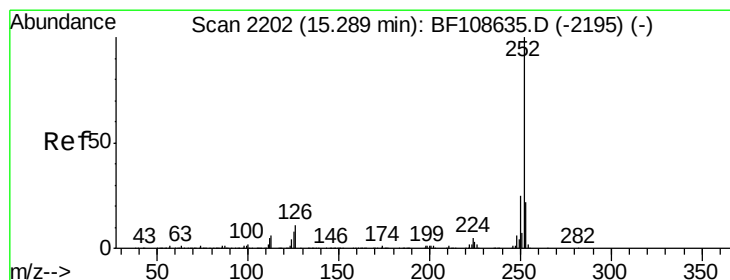
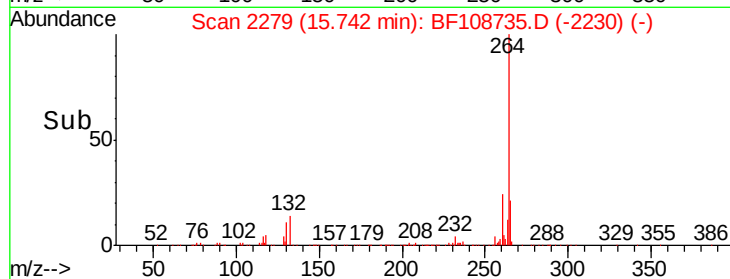
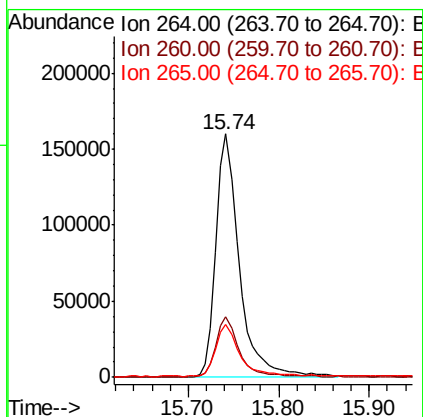
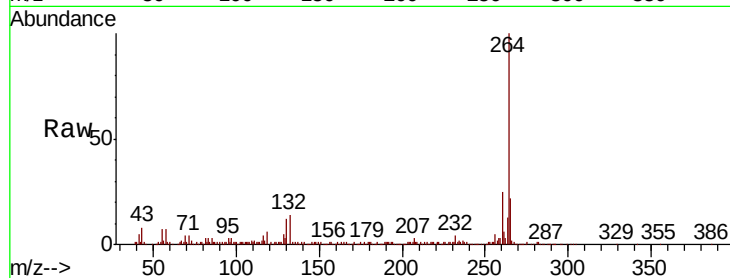




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

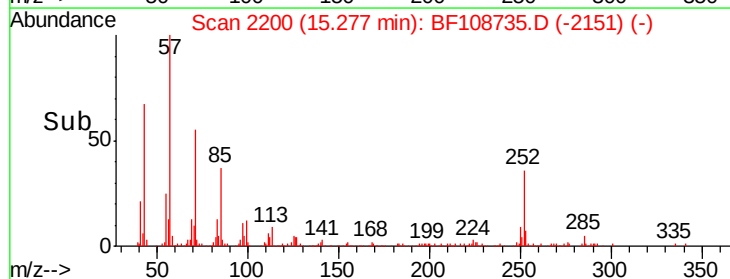
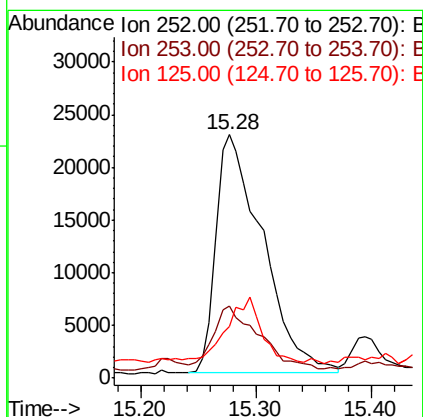
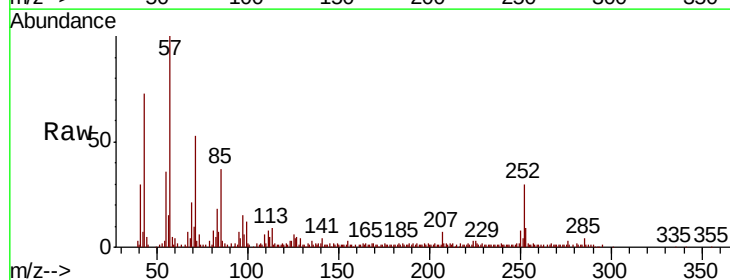
Instrument :
BNA_F
ClientSampleId :

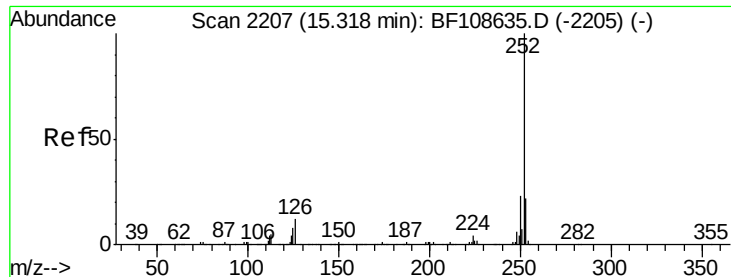
Tot Ion:264 Resp: 285441
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.616 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

Tgt Ion:252 Resp: 63413
Ion Ratio Lower Upper
252 100
253 29.8 17.0 25.6#
125 21.2 9.0 13.6#

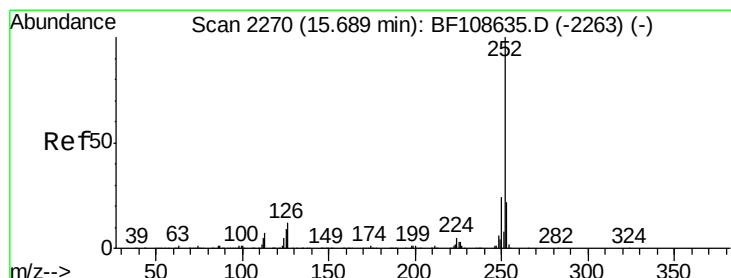
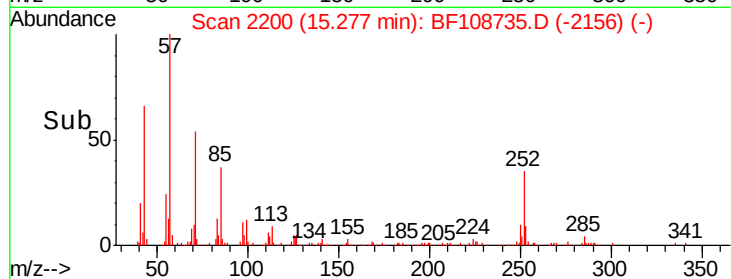
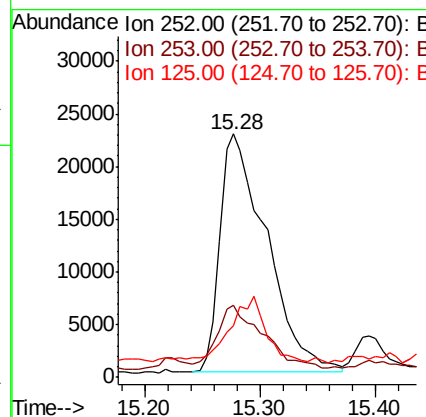
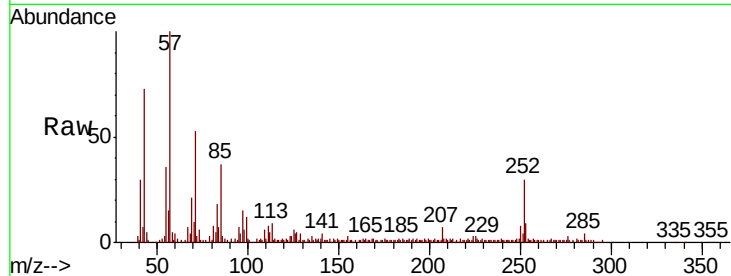




#88
Benzo(k)fluoranthene
Concen: 3.651 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.8	17.9	26.9#
125	21.2	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 2.073 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108735.D
Acq: 4 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	21.3	9.8	14.6#

