

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108704.D
 Acq On : 31 Aug 2018 22:04
 Operator : JU/SJ
 Sample : J4712-07 4X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 03:49:36 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	7.01	152	52308	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	223449	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	113835	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	266053	20.00	ng	0.00
75) Chrysene-d12	14.19	240	236140	20.00	ng	0.00
86) Perylene-d12	15.75	264	162154	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.73	112	11428	3.80	ng	0.08
7) Phenol-d6	6.68	99	76316	17.70	ng	0.04
23) Nitrobenzene-d5	7.59	82	61509	13.97	ng	0.02
41) 2,4,6-Tribromophenol	10.84	330	31634	21.05	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	133101	15.72	ng	0.00
78) Terphenyl-d14	13.12	244	197012	16.21	ng	-0.01

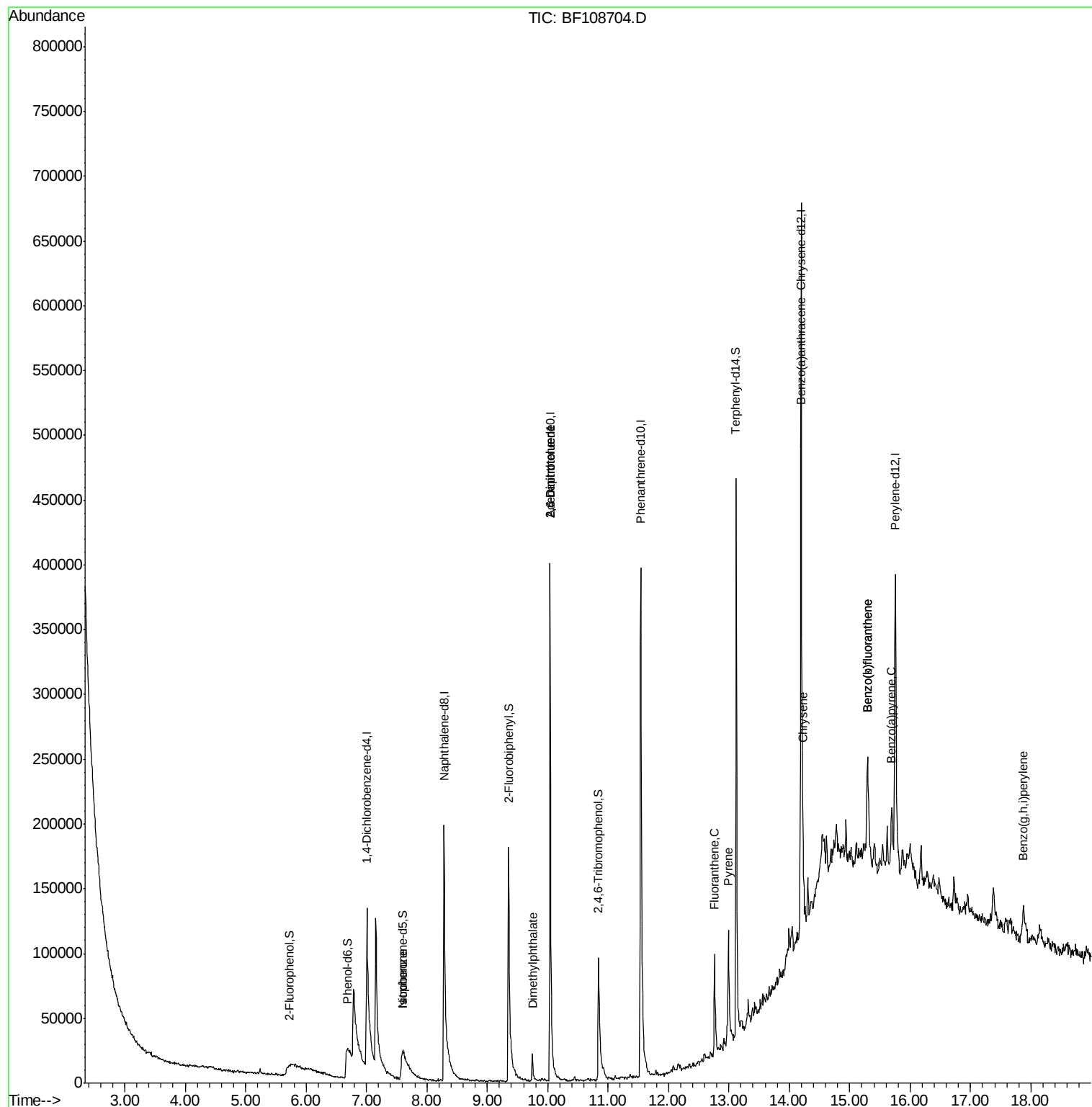
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.59	82	61509	8.411	ng	# 64
49) Dimethylphthalate	9.75	163	19108	2.132	ng	# 91
50) 2,6-Dinitrotoluene	10.04	165	13509	6.837	ng	# 24
56) 2,4-Dinitrotoluene	10.04	165	13509	5.164	ng	# 21
74) Fluoranthene	12.76	202	51662	3.418	ng	93
77) Pyrene	12.99	202	53755	3.028	ng	98
80) Benzo(a)anthracene	14.18	228	34400	2.390	ng	96
82) Chrysene	14.22	228	33141	2.394	ng	97
87) Benzo(b)fluoranthene	15.29	252	58030	5.826	ng	# 92
88) Benzo(k)fluoranthene	15.29	252	58030	5.881	ng	95
89) Benzo(a)pyrene	15.69	252	29681	3.297	ng	96
91) Benzo(a,h,i)perylene	17.88	276	22462	3.215	ng	# 84

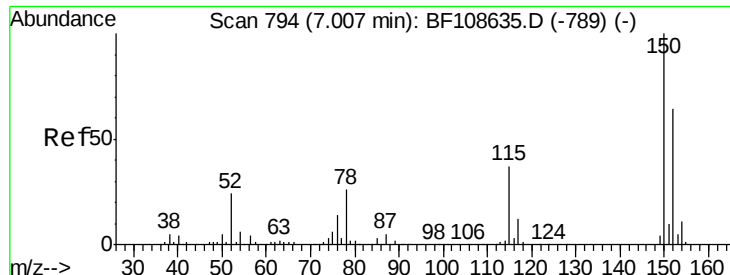
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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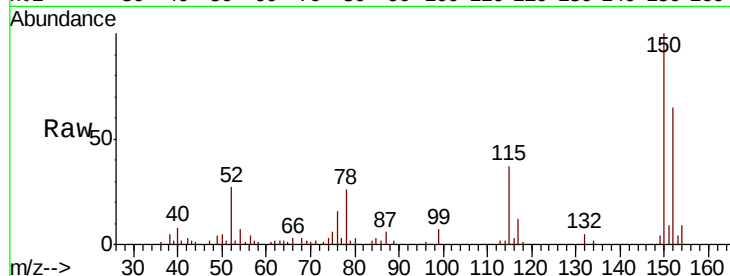


#1

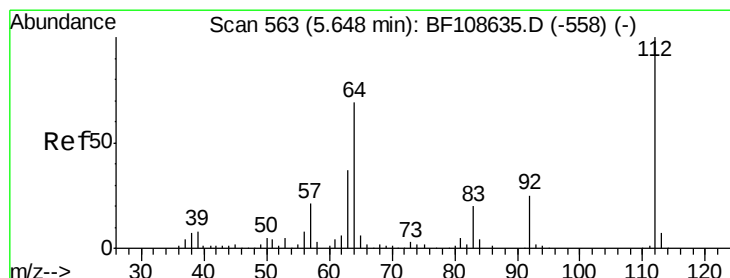
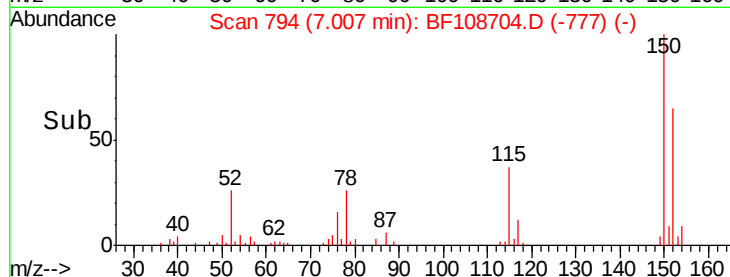
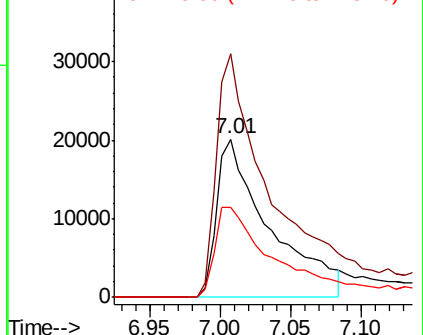
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 52308
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 57.0 50.1 75.1



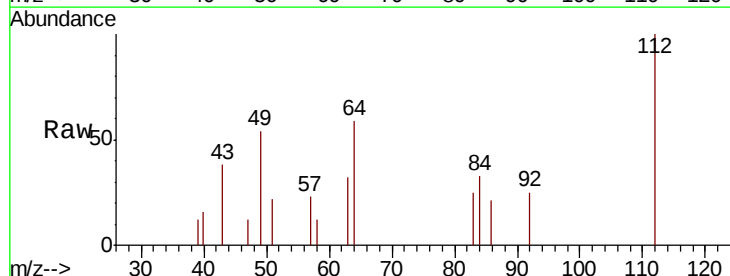
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



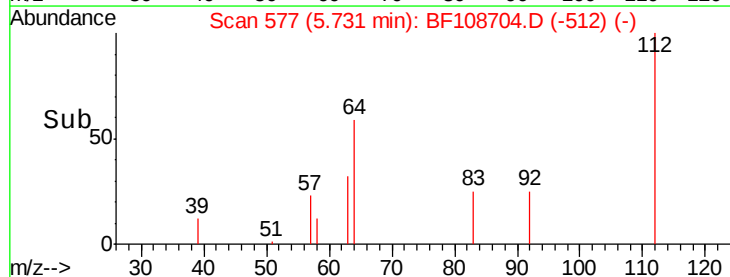
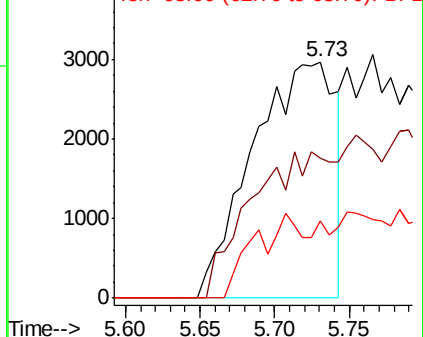
#5

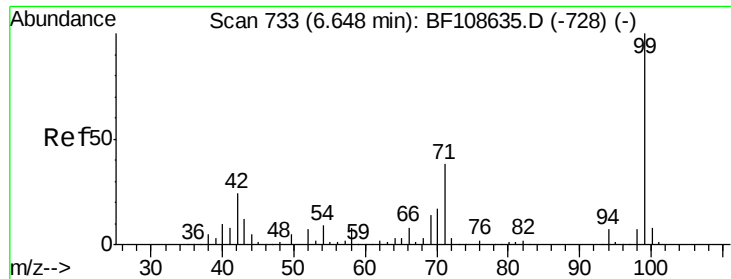
2-Fluorophenol
Concen: 3.795 ng
RT: 5.73 min Scan# 577
Delta R.T. 0.08 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Tgt Ion:112 Resp: 11428
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 32.4 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: 17.696 ng

RT: 6.68 min Scan# 739

Delta R.T. 0.04 min

Lab File: BF108704.D

Acq: 31 Aug 2018 22:04

Instrument :

BNA_F

ClientSampleId :

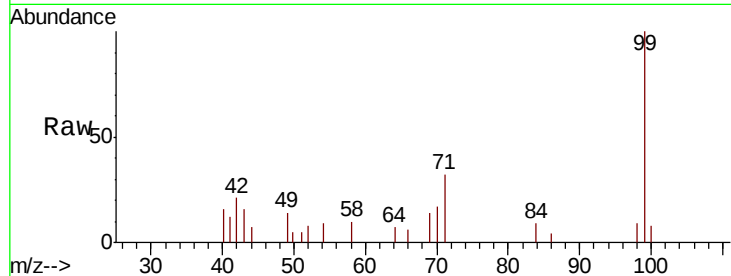
Tot Ion: 99 Resp: 76316

Ion Ratio Lower Upper

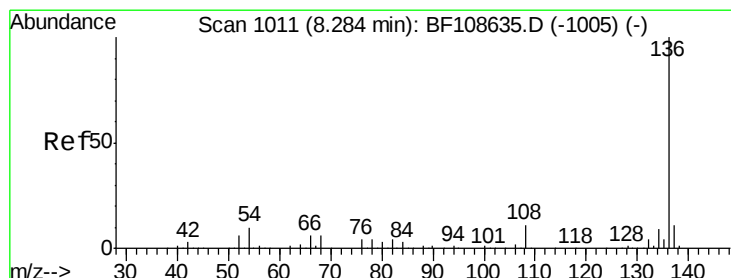
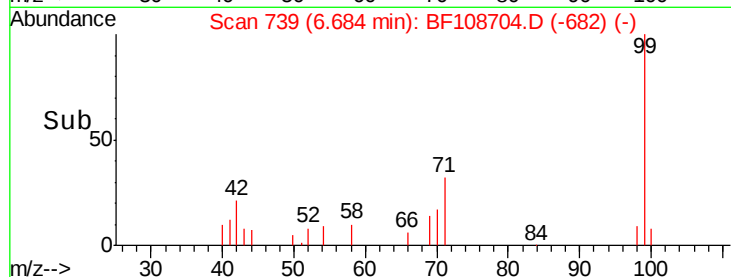
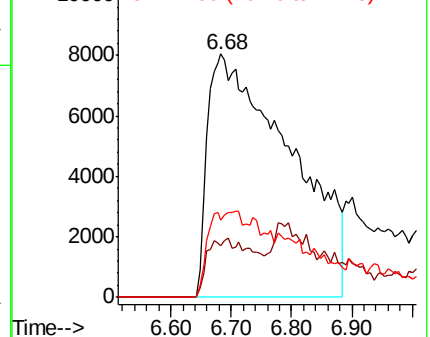
99 100

42 21.1 14.5 21.7

71 31.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF108704.D

Acq: 31 Aug 2018 22:04

Tgt Ion: 136 Resp: 223449

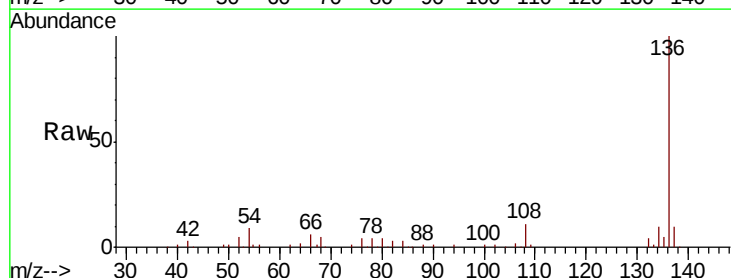
Ion Ratio Lower Upper

136 100

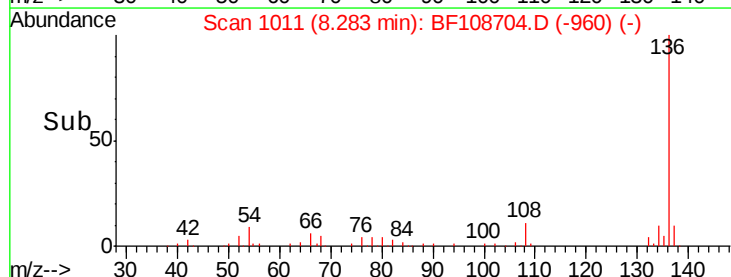
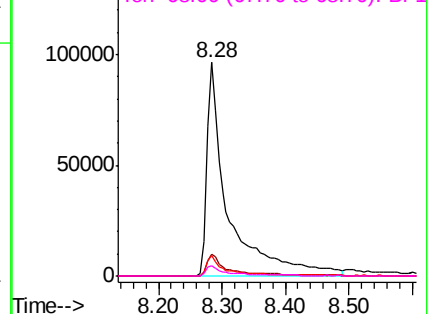
137 9.9 8.9 13.3

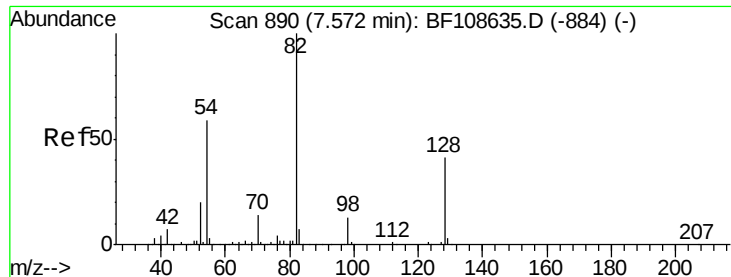
54 9.4 6.6 9.8

68 5.0 5.0 7.4



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

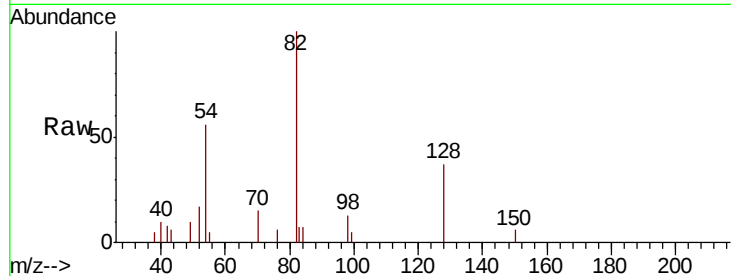




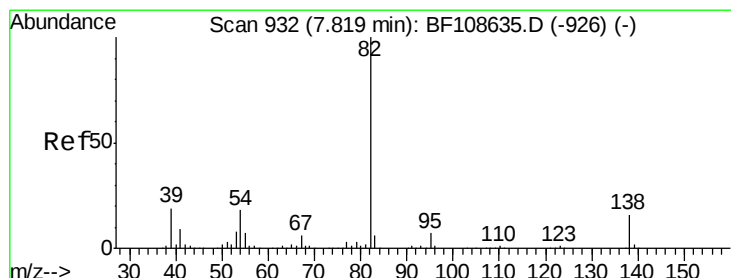
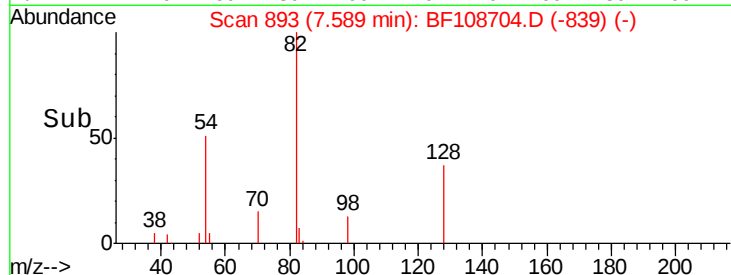
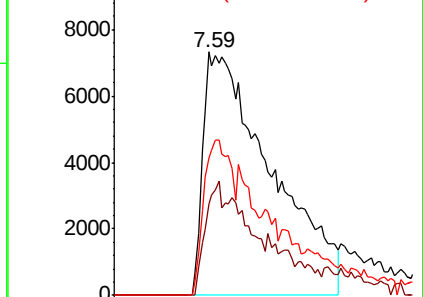
#23
Nitrobenzene-d5
Concen: 13.972 ng
RT: 7.59 min Scan# 893
Delta R.T. 0.02 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	61509
Ion Ratio	Lower	Upper	
82	100		
128	37.2	36.1	54.1
54	56.3	41.4	62.2

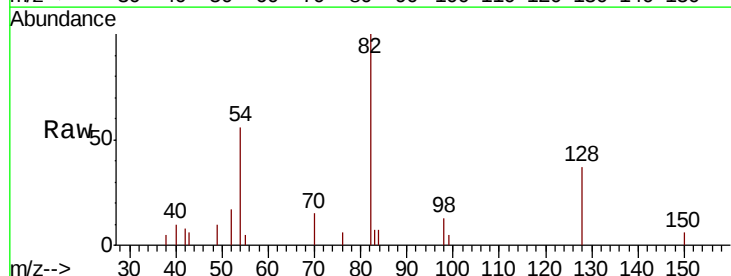


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

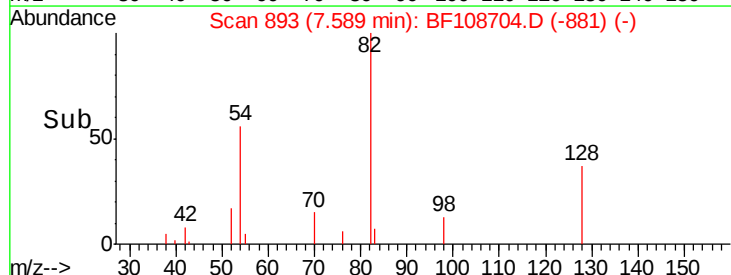
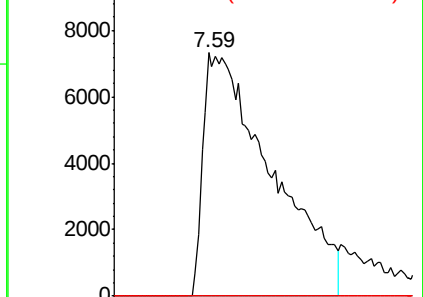


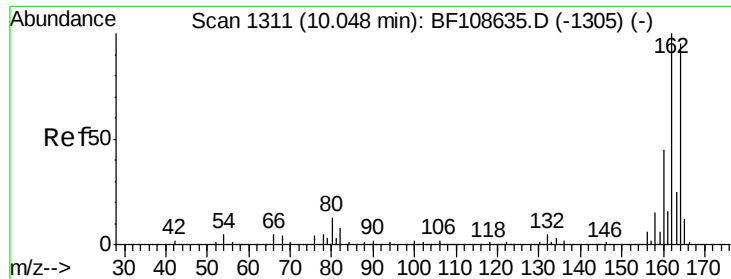
#25
Isophorone
Concen: 8.411 ng
RT: 7.59 min Scan# 893
Delta R.T. -0.23 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Tgt Ion	82	Resp	61509
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

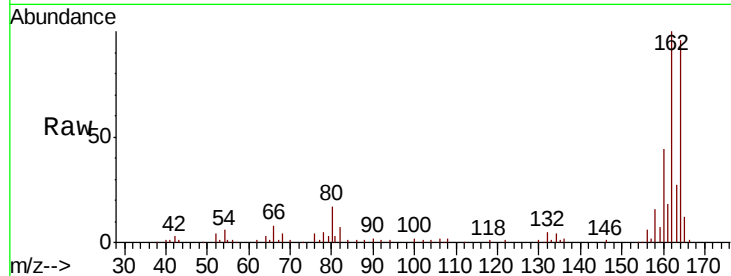




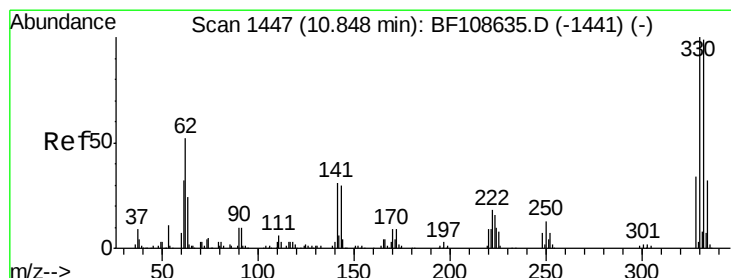
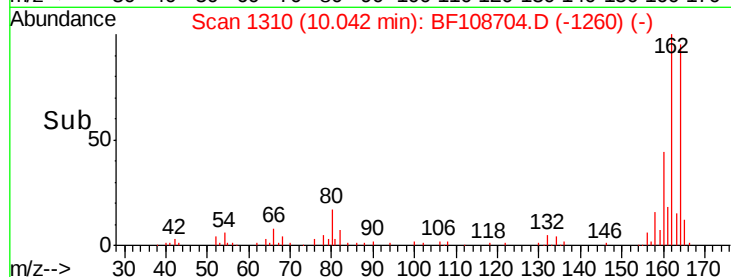
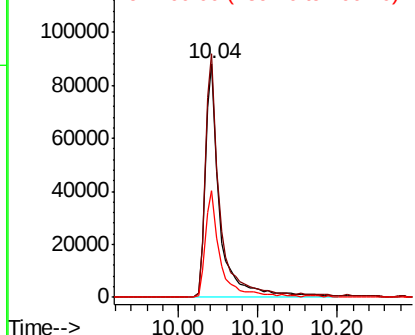
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 113835
Ion Ratio Lower Upper
164 100
162 104.1 86.1 129.1
160 45.8 38.3 57.5

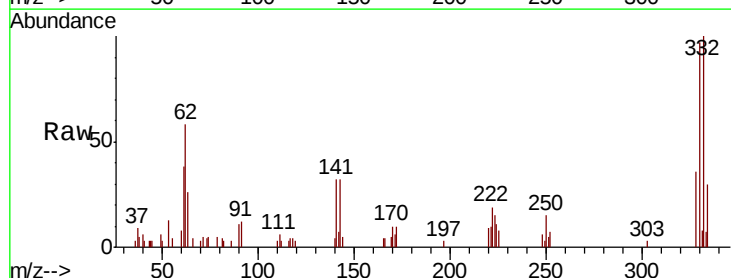


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

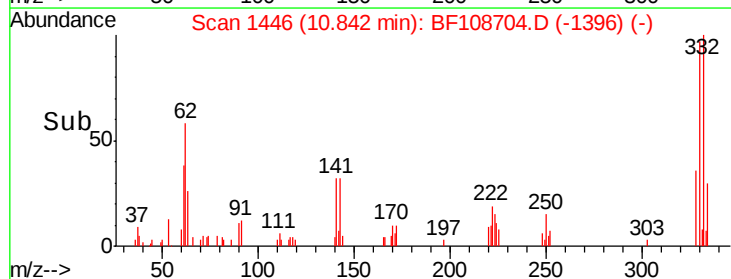
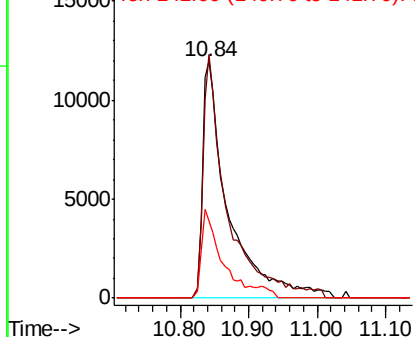


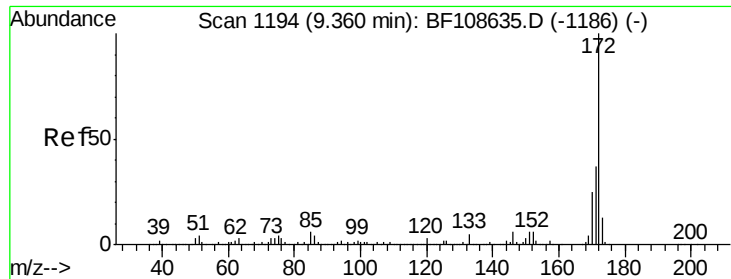
#41
2,4,6-Tribromophenol
Concen: 21.051 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Tgt Ion:330 Resp: 31634
Ion Ratio Lower Upper
330 100
332 93.2 77.0 115.6
141 32.2 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

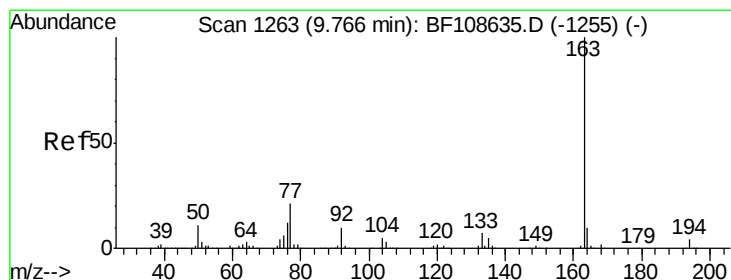
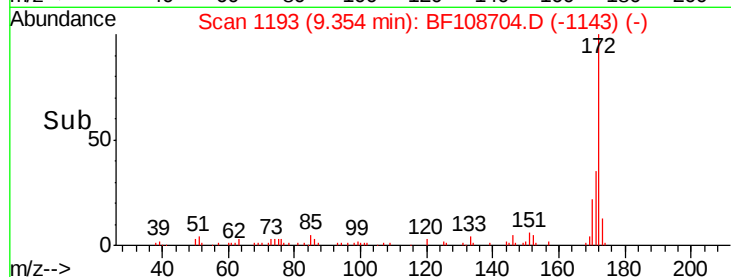
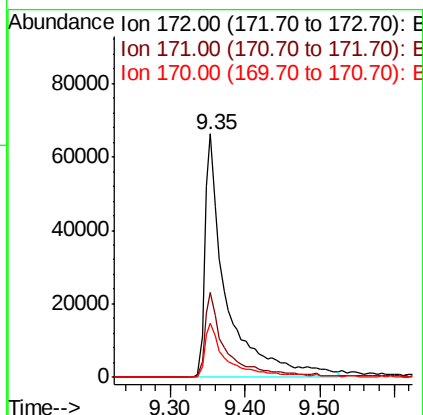
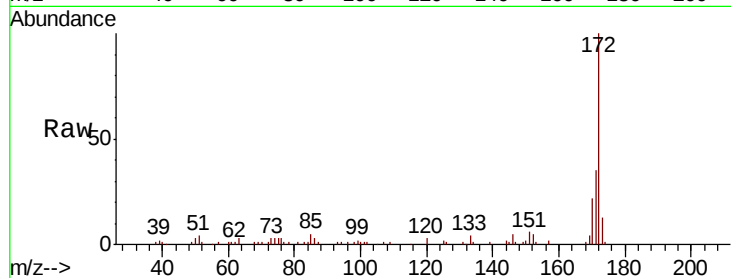




#44
 2-Fluorobiphenyl
 Concen: 15.721 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108704.D
 Acq: 31 Aug 2018 22:04

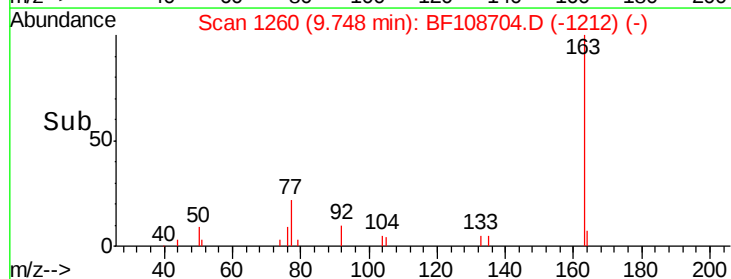
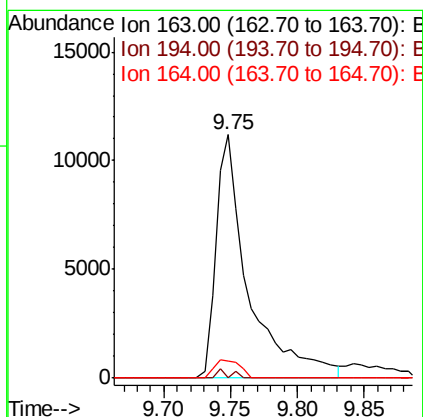
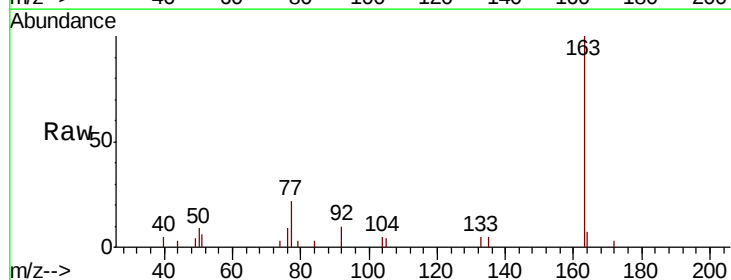
Instrument :
 BNA_F
 ClientSampleId :

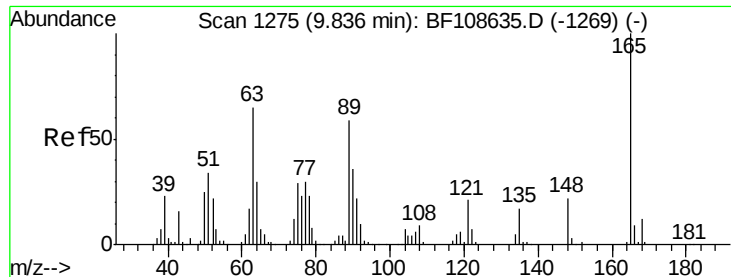
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	22.1	19.6	29.4



#49
 Dimethylphthalate
 Concen: 2.132 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BF108704.D
 Acq: 31 Aug 2018 22:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.7	4.1#
164	7.0	8.2	12.2#

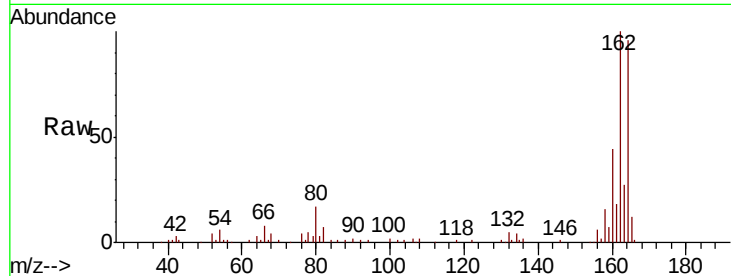




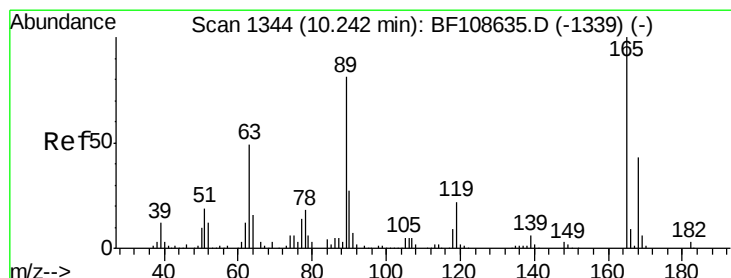
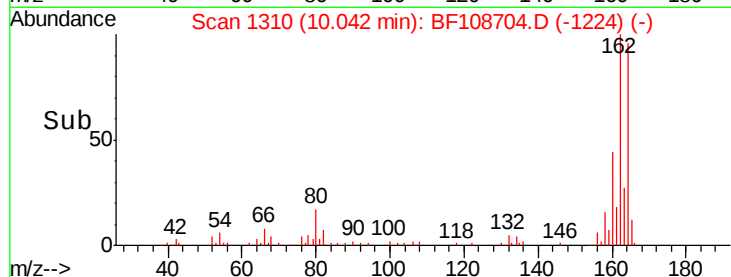
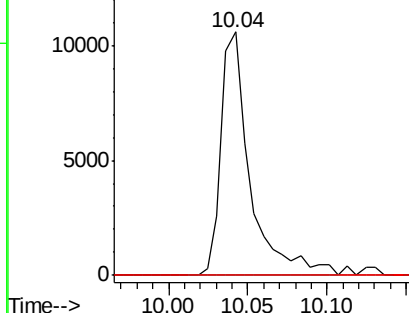
#50
 2,6-Dinitrotoluene
 Concen: 6.837 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108704.D
 Acq: 31 Aug 2018 22:04

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#



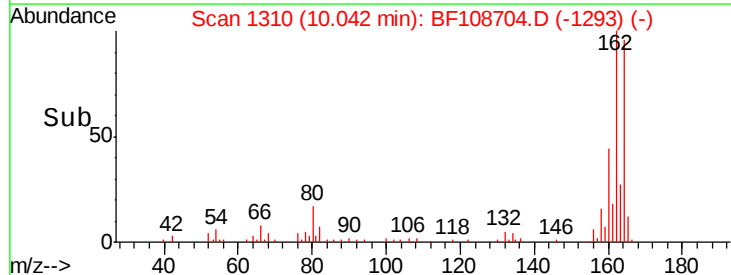
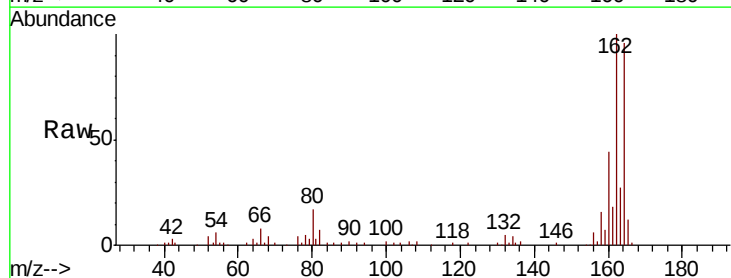
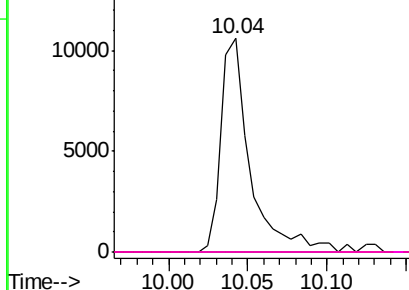
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

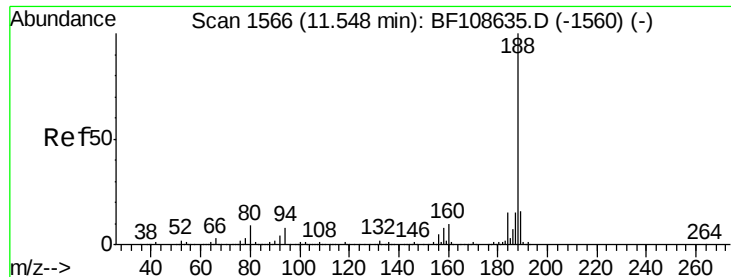


#56
 2,4-Dinitrotoluene
 Concen: 5.164 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.20 min
 Lab File: BF108704.D
 Acq: 31 Aug 2018 22:04

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

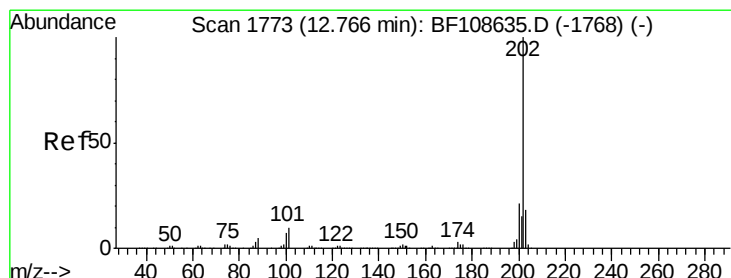
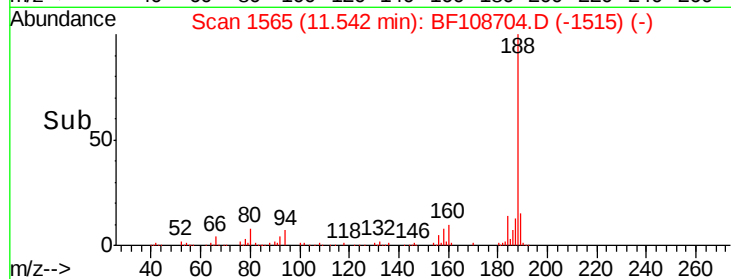
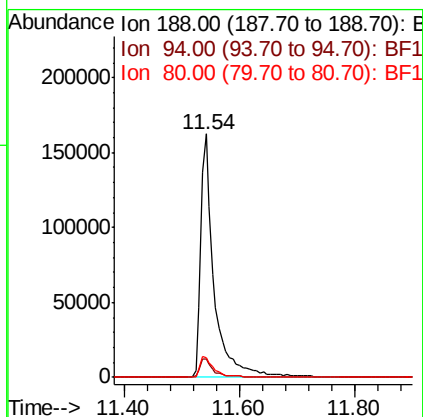
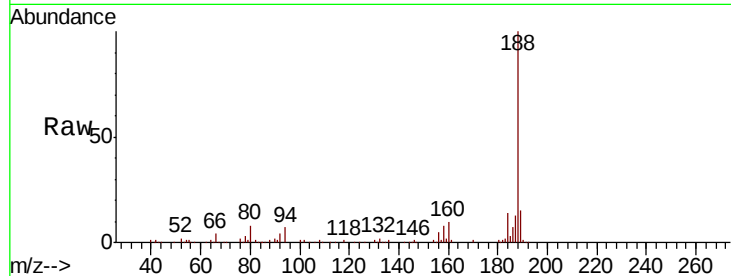




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

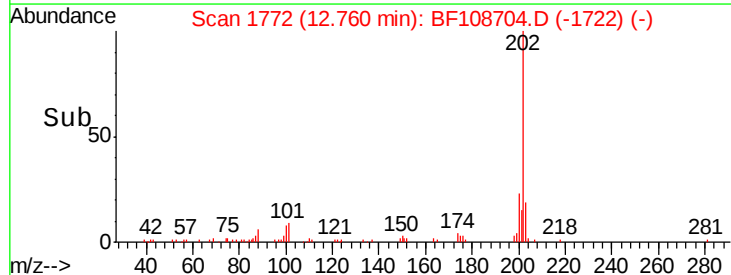
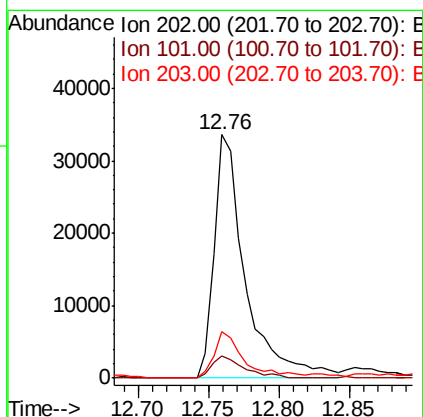
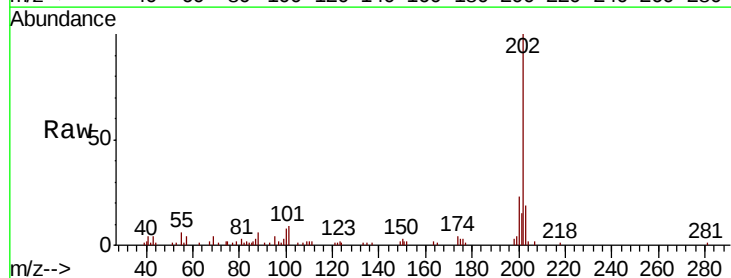
Instrument :
BNA_F
ClientSampleId :

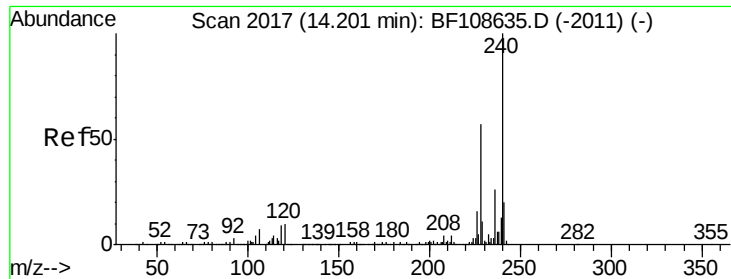
Tot Ion:188 Resp: 266053
Ion Ratio Lower Upper
188 100
94 7.3 8.5 12.7#
80 8.3 9.2 13.8#



#74
Fluoranthene
Concen: 3.418 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Tgt Ion:202 Resp: 51662
Ion Ratio Lower Upper
202 100
101 9.0 0.0 34.1
203 18.9 0.0 38.1

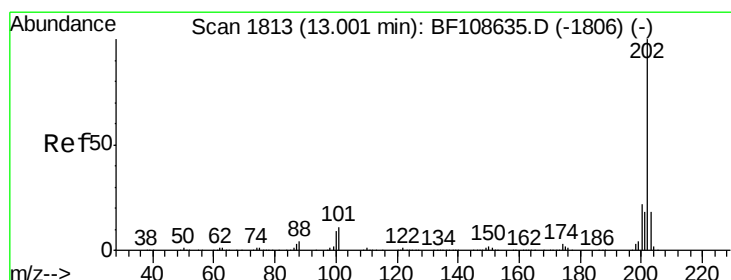
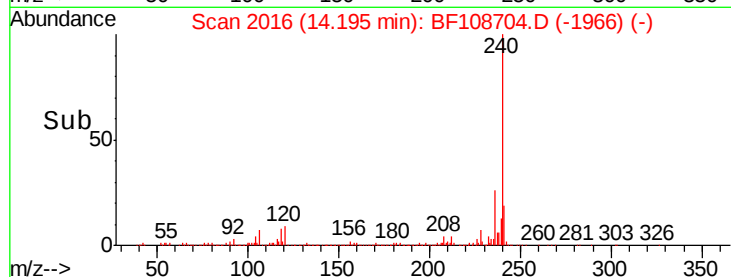
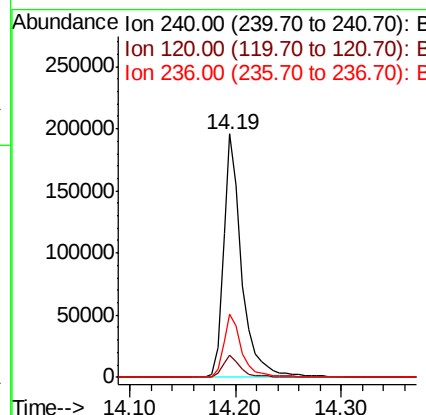
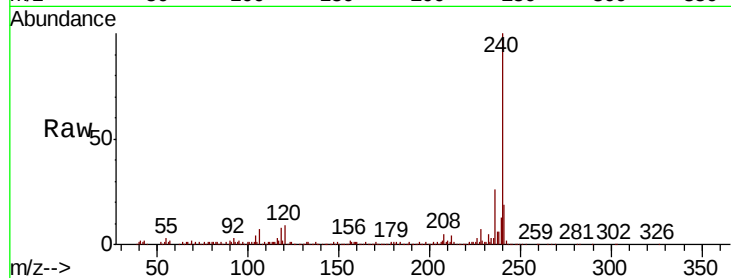




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

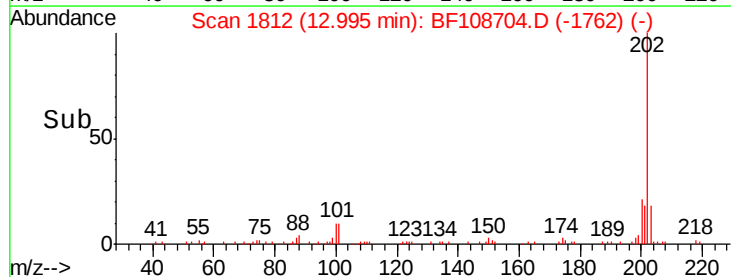
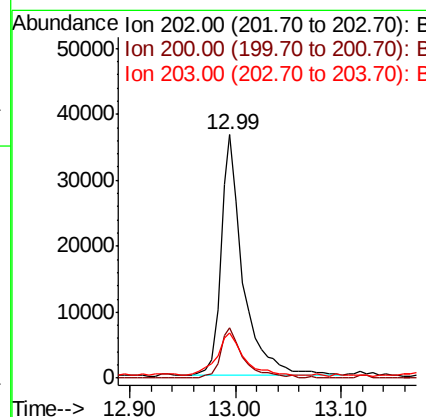
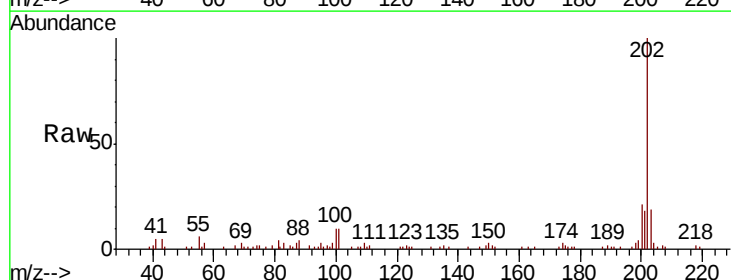
Instrument :
BNA_F
ClientSampleId :

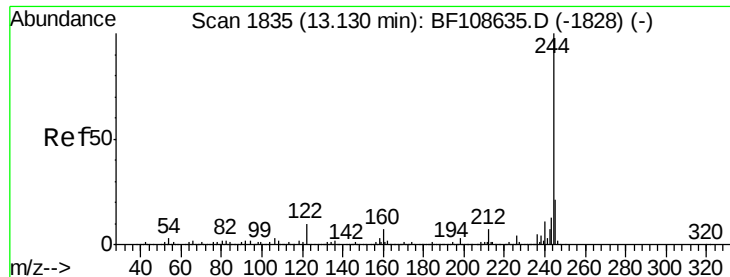
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.8	20.7	31.1



#77
Pyrene
Concen: 3.028 ng
RT: 12.99 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	18.8	14.3	21.5





#78

Terphenyl-d14

Concen: 16.210 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108704.D

Acq: 31 Aug 2018 22:04

Instrument :

BNA_F

ClientSampleId :

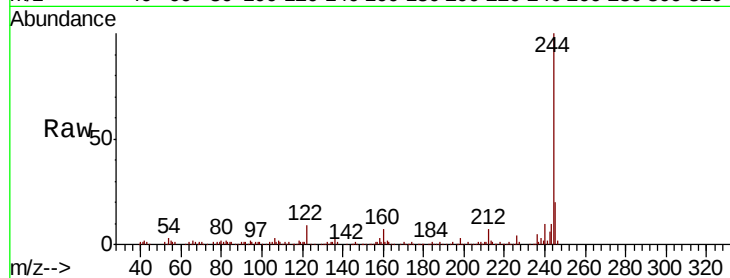
Tot Ion:244 Resp: 197012

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

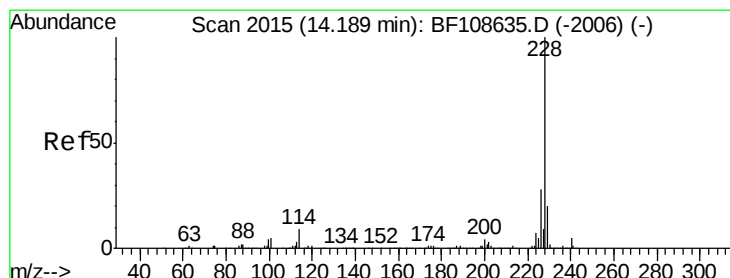
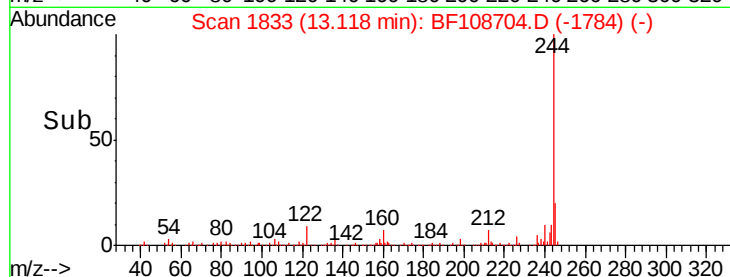
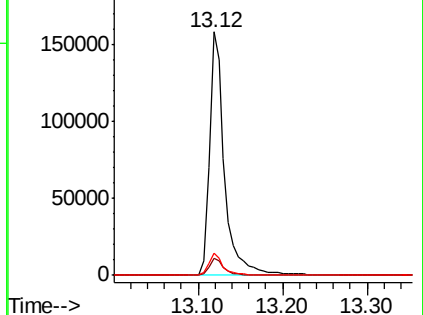
122 9.3 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 2.390 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF108704.D

Acq: 31 Aug 2018 22:04

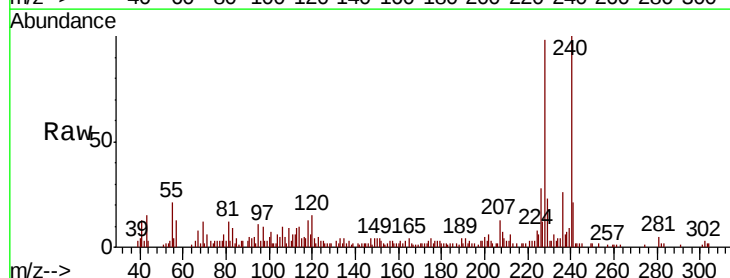
Tgt Ion:228 Resp: 34400

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

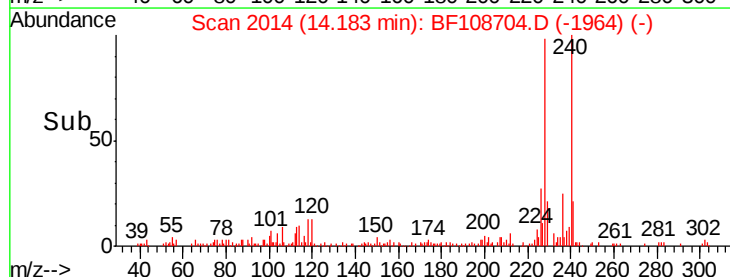
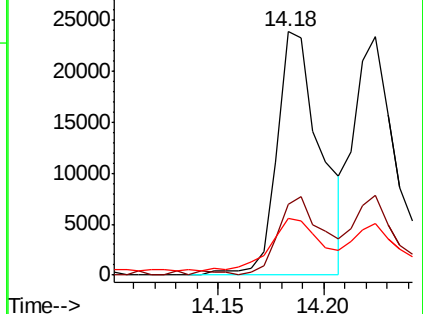
229 23.3 15.8 23.6

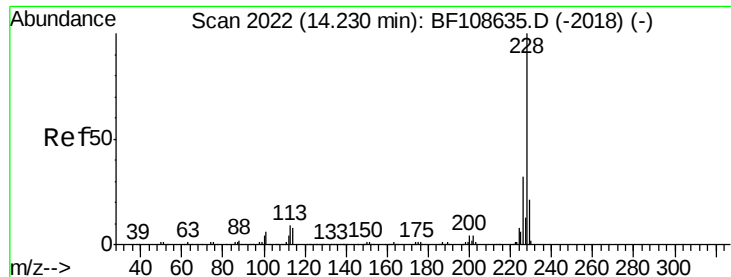


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

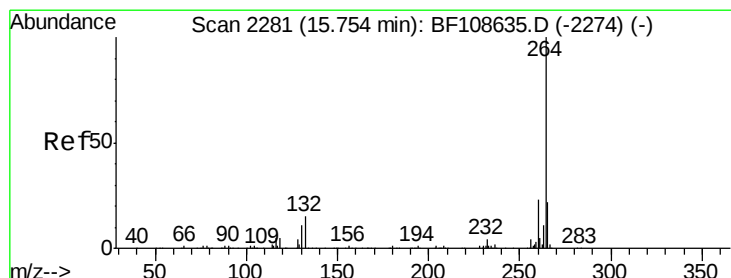
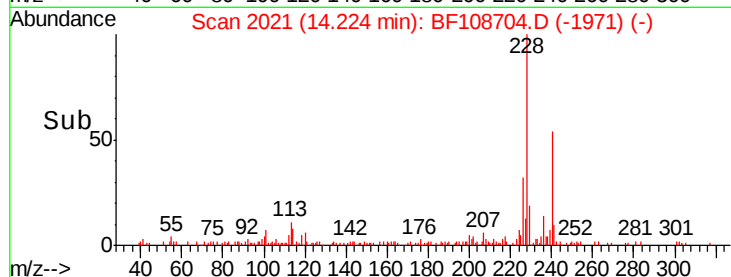
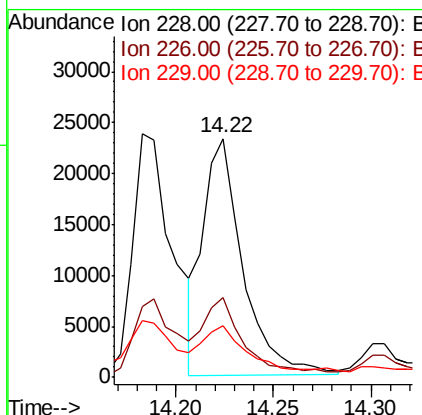
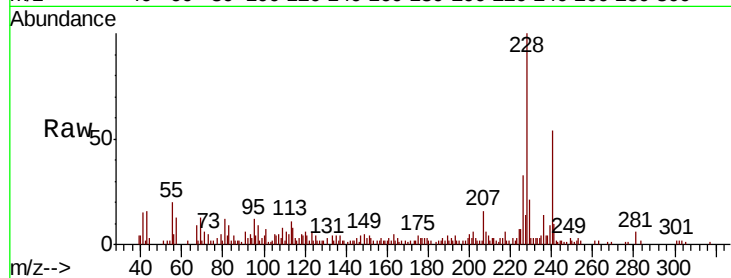




#82
Chrysene
Concen: 2.394 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

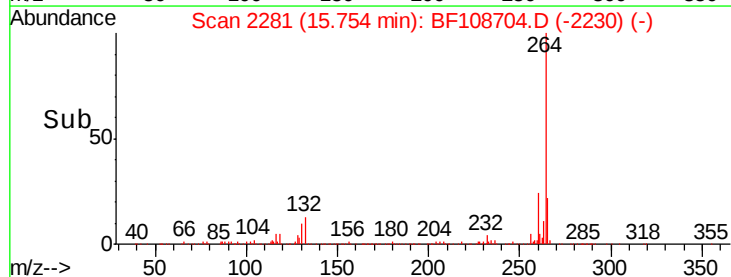
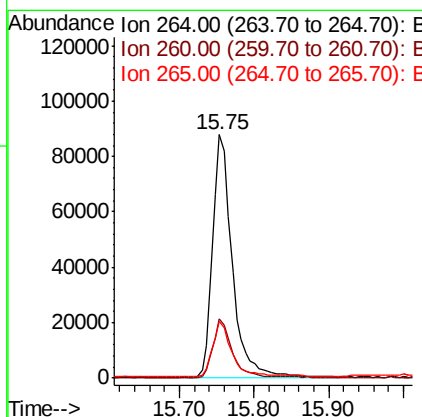
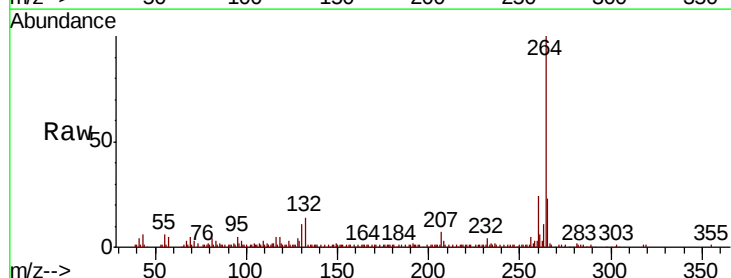
Instrument :
BNA_F
ClientSampleId :

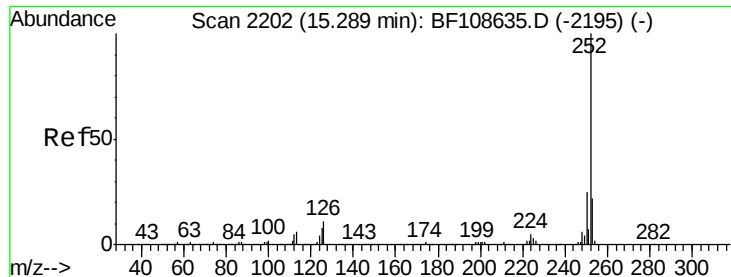
Tot Ion:228 Resp: 33141
Ion Ratio Lower Upper
228 100
226 33.3 25.0 37.6
229 21.4 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Tgt Ion:264 Resp: 162154
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 23.1 17.5 26.3

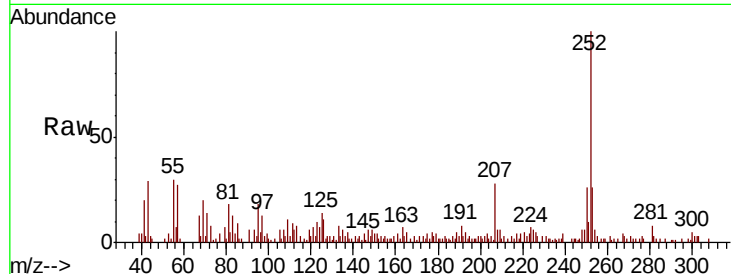




#87
Benzo(b)fluoranthene
Concen: 5.826 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.0	25.6
125	13.9	9.0	13.6#

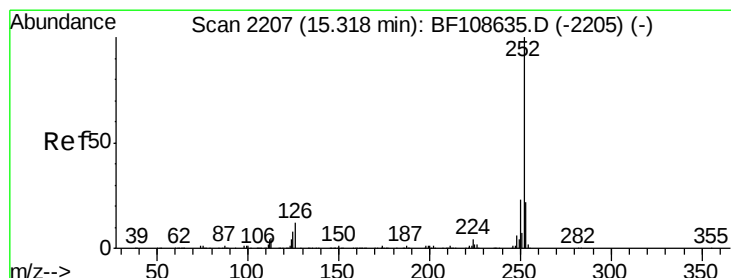
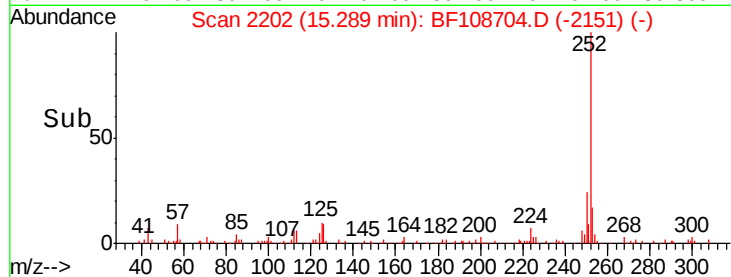
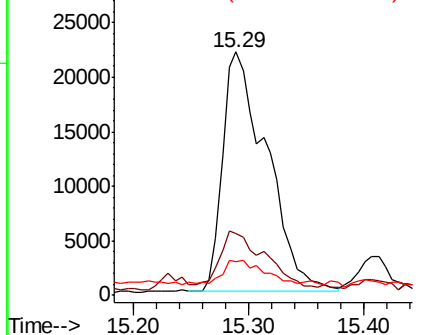


Abundance

Ion 252.00 (251.70 to 252.70): E

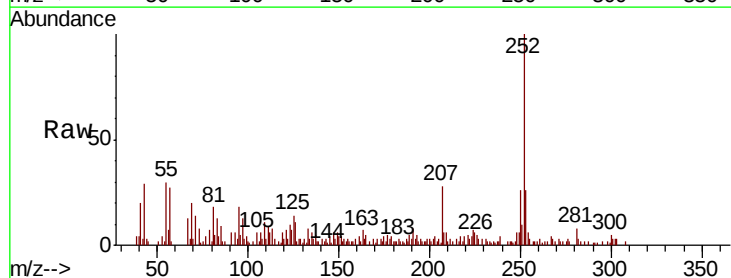
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 5.881 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	13.9	10.2	15.2

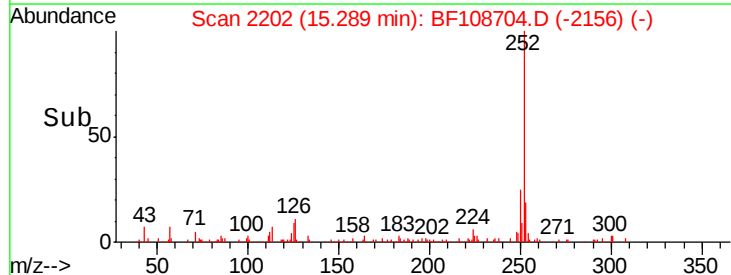
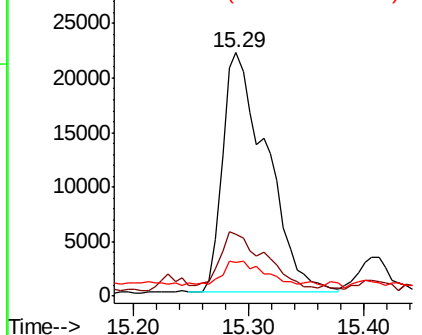


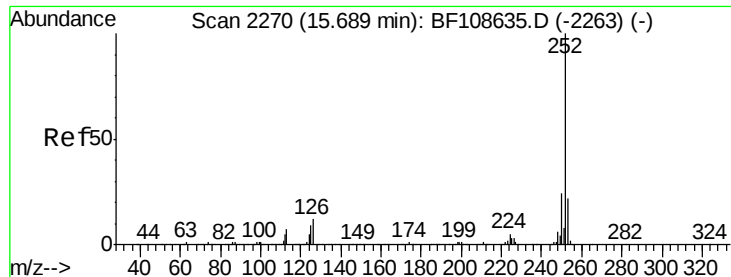
Abundance

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

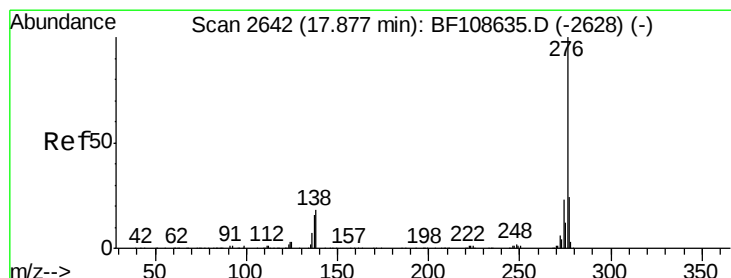
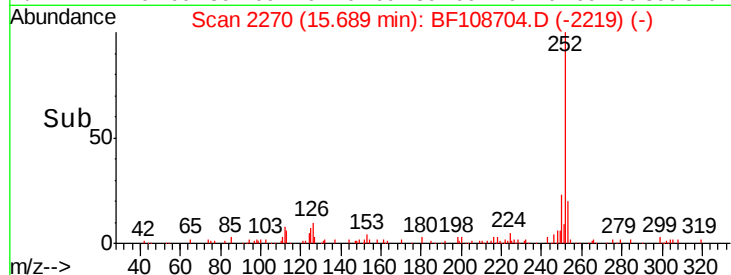
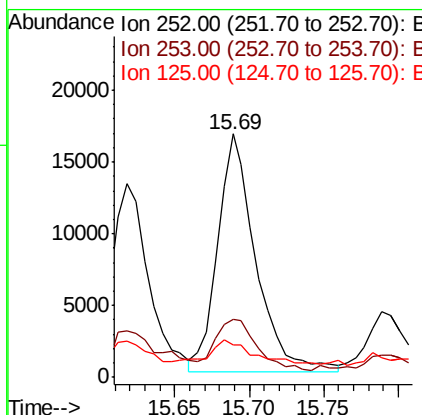
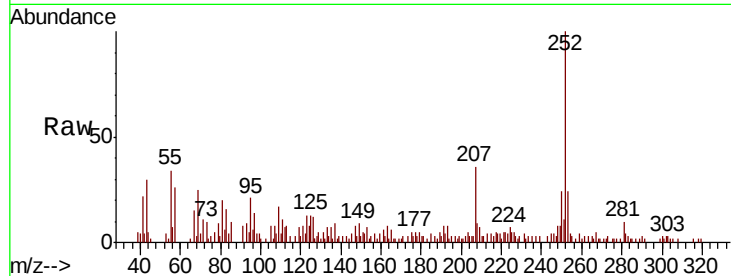




#89
Benzo(a)pyrene
Concen: 3.297 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	13.3	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 3.215 ng
RT: 17.88 min Scan# 2642
Delta R.T. -0.00 min
Lab File: BF108704.D
Acq: 31 Aug 2018 22:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.1	17.9	26.9#
138	17.4	21.8	32.8#

