

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108698.D
 Acq On : 31 Aug 2018 19:23
 Operator : JU/SJ
 Sample : J4720-05 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 03:48:19 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	65677	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	313148	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	134286	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	242230	20.00	ng	0.00
75) Chrysene-d12	14.19	240	232379	20.00	ng	0.00
86) Perylene-d12	15.75	264	173678	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	3339	0.88	ng	0.06
7) Phenol-d6	6.70	99	26343	4.86	ng	0.05
23) Nitrobenzene-d5	7.60	82	10839	1.76	ng	0.03
41) 2,4,6-Tribromophenol	10.84	330	17206	9.71	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	107135	10.73	ng	0.00
78) Terphenyl-d14	13.12	244	108114	9.04	ng	-0.01

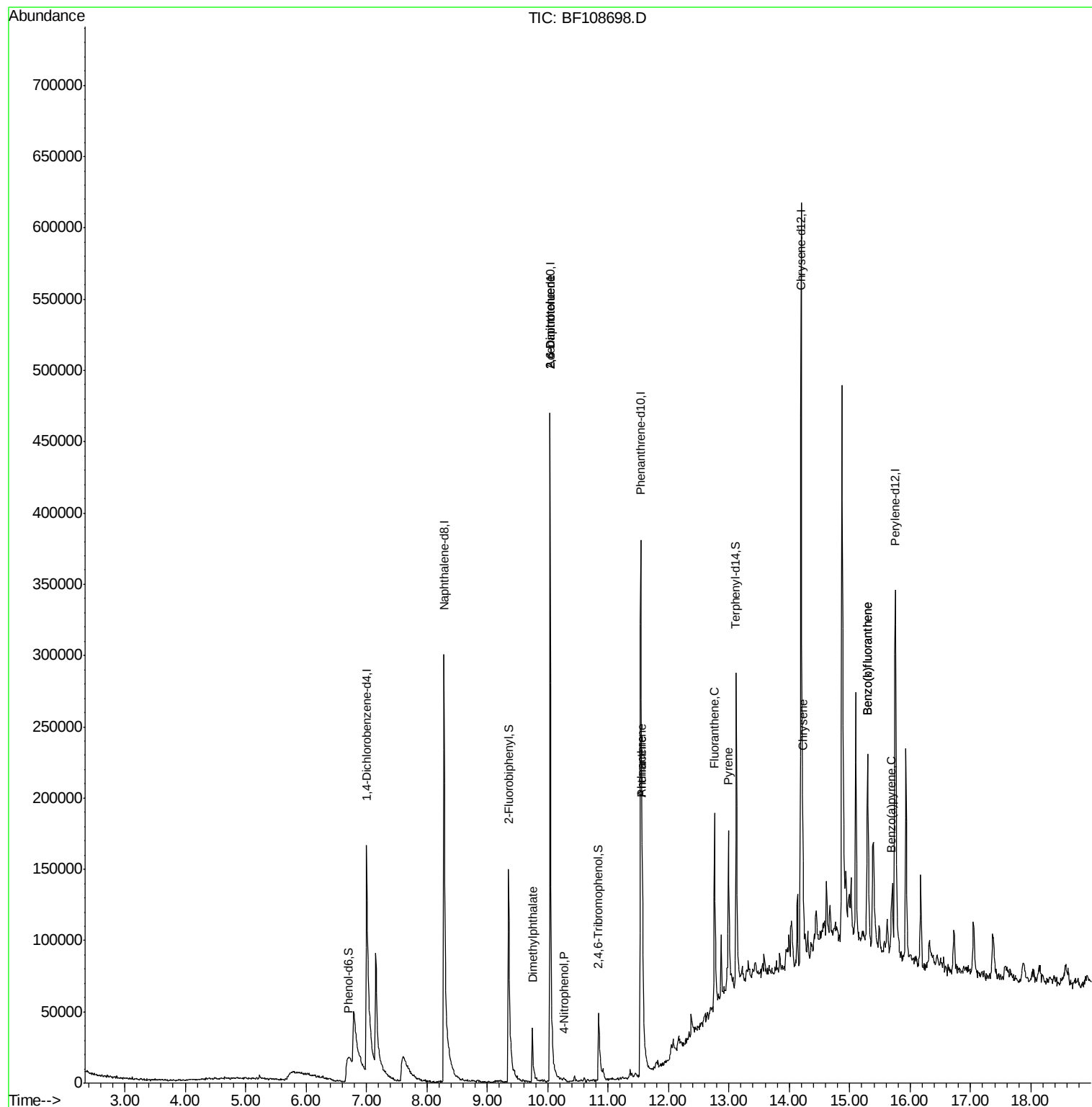
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.75	163	32725	3.095	ng	# 99
50) 2,6-Dinitrotoluene	10.04	165	16246	6.970	ng	# 24
55) 4-Nitrophenol	10.27	139	381	4.982	ng	# 9
56) 2,4-Dinitrotoluene	10.04	165	16617	5.384	ng	# 21
70) Phenanthrene	11.57	178	68845	5.631	ng	97
71) Anthracene	11.57	178	68845	5.359	ng	97
74) Fluoranthene	12.76	202	90769	6.595	ng	94
77) Pyrene	12.99	202	70260	4.022	ng	98
82) Chrysene	14.22	228	31748	2.330	ng	98
87) Benzo(b)fluoranthene	15.29	252	51442	4.822	ng	95
88) Benzo(k)fluoranthene	15.29	252	51442	4.867	ng	97
89) Benzo(a)pyrene	15.69	252	21692	2.250	ng	# 93

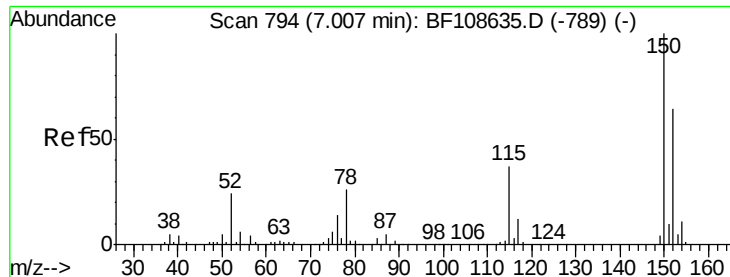
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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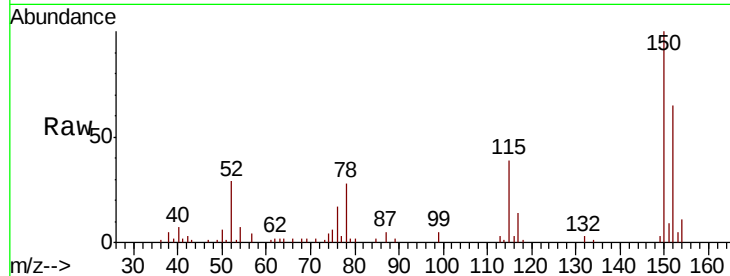


#1

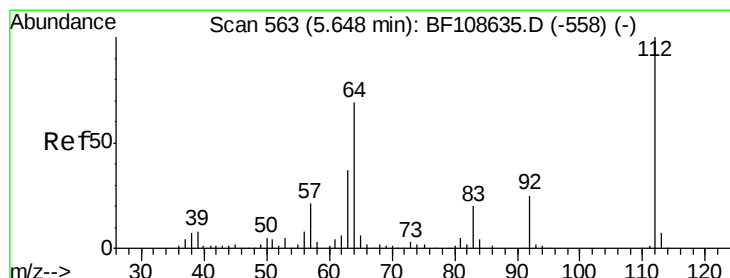
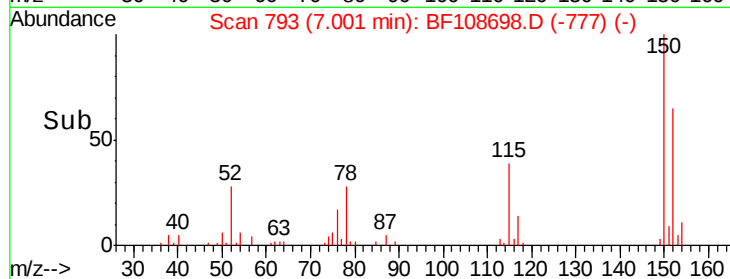
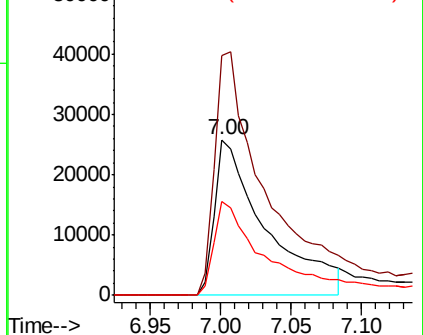
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 65677
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 60.2 50.1 75.1



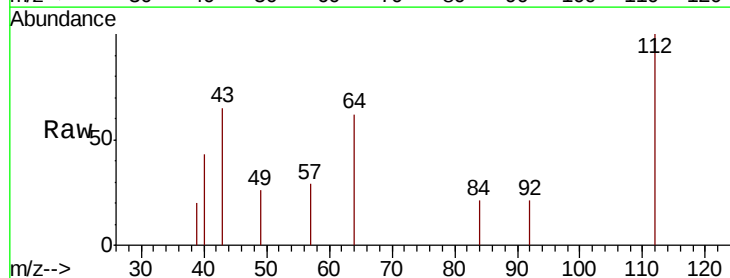
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



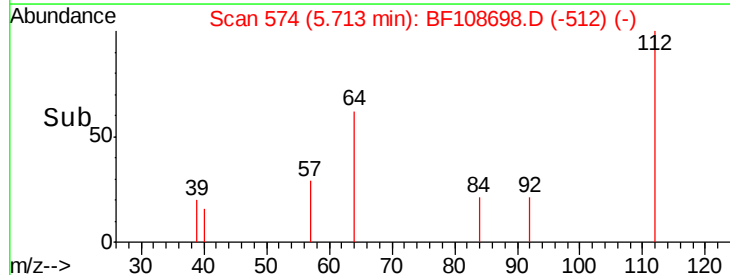
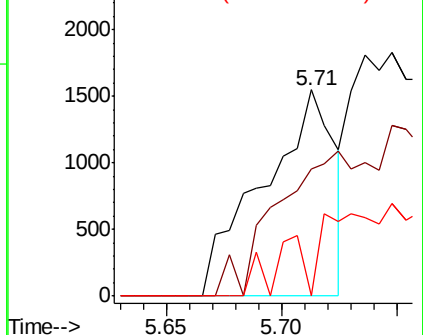
#5

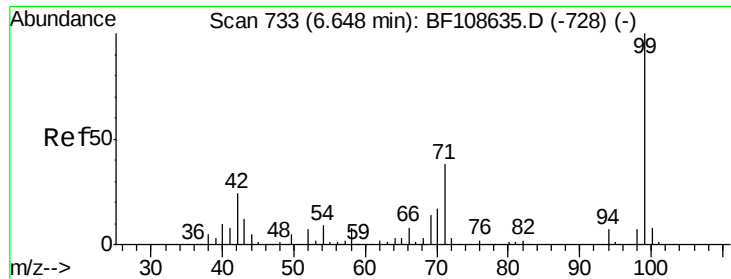
2-Fluorophenol
Concen: 0.883 ng
RT: 5.71 min Scan# 574
Delta R.T. 0.06 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

Tgt Ion:112 Resp: 3339
Ion Ratio Lower Upper
112 100
64 61.7 47.9 71.9
63 0.0 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: 4.865 ng

RT: 6.70 min Scan# 741

Delta R.T. 0.05 min

Lab File: BF108698.D

Acq: 31 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

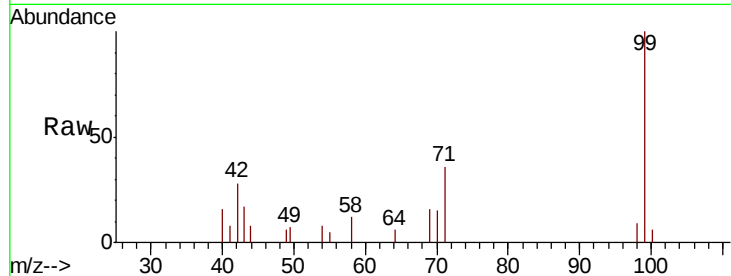
Tot Ion: 99 Resp: 26343

Ion Ratio Lower Upper

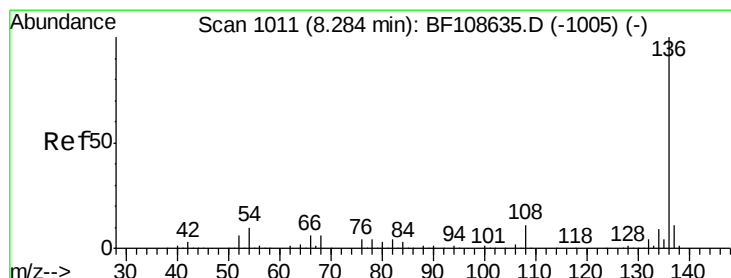
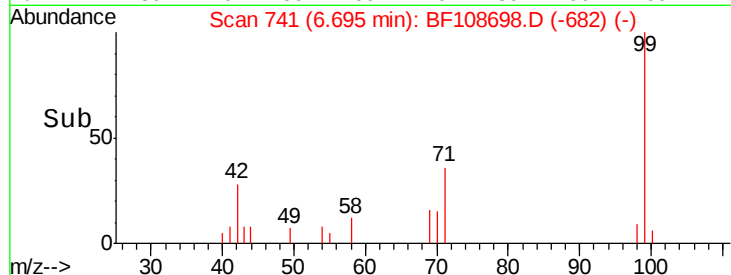
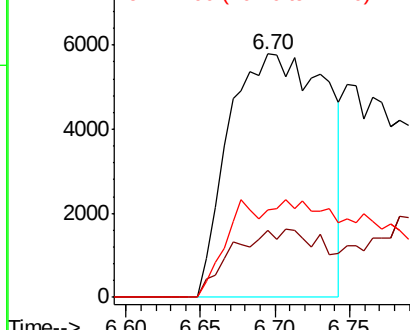
99 100

42 27.5 14.5 21.7#

71 35.7 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: BF108698.D

Acq: 31 Aug 2018 19:23

Tgt Ion: 136 Resp: 313148

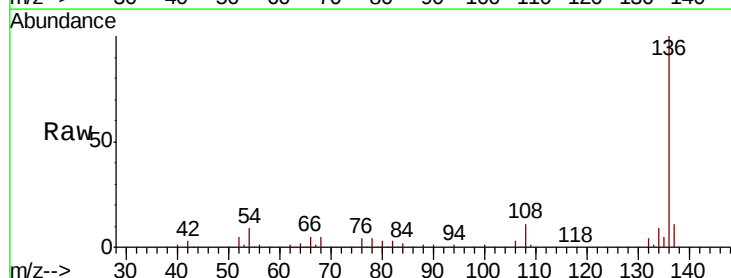
Ion Ratio Lower Upper

136 100

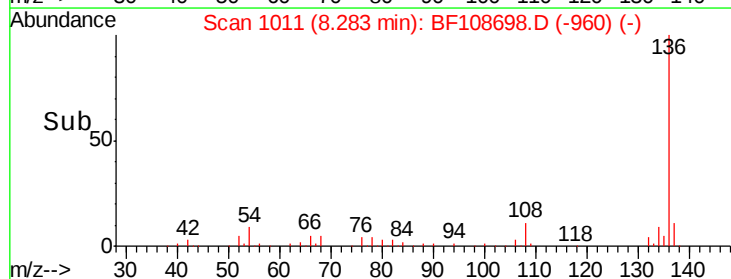
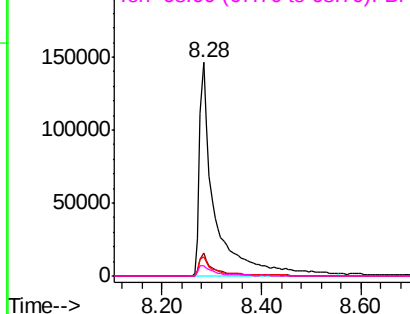
137 10.9 8.9 13.3

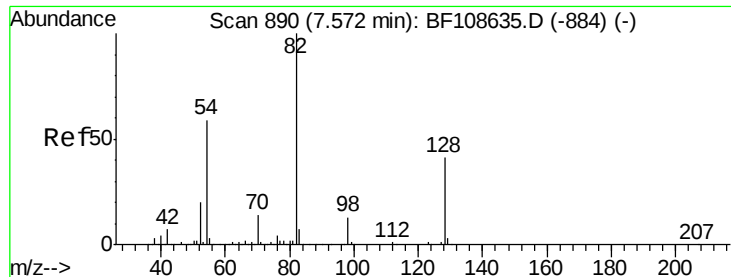
54 8.8 6.6 9.8

68 5.1 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

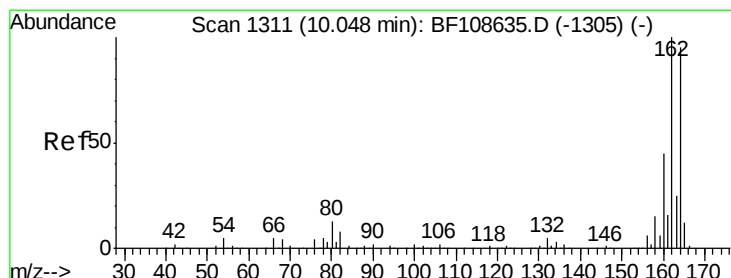
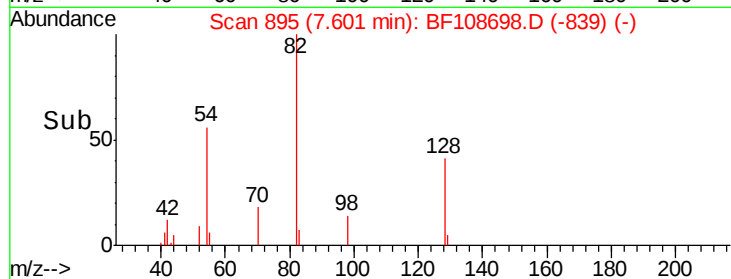
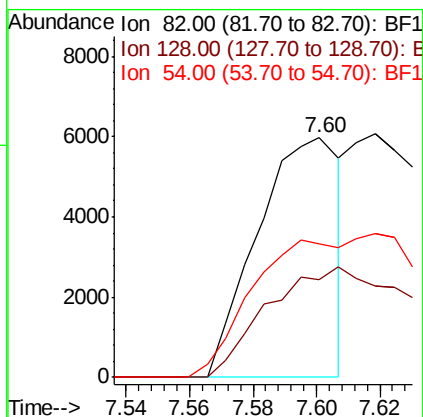
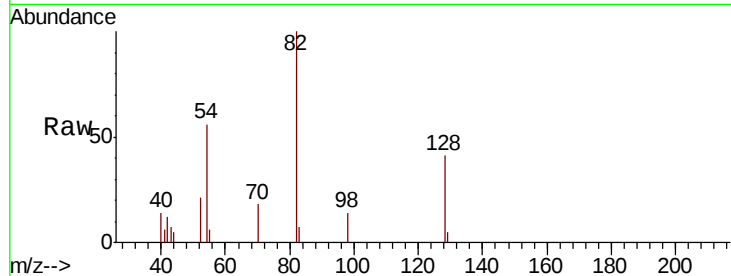




#23
 Nitrobenzene-d5
 Concen: 1.757 ng
 RT: 7.60 min Scan# 895
 Delta R.T. 0.03 min
 Lab File: BF108698.D
 Acq: 31 Aug 2018 19:23

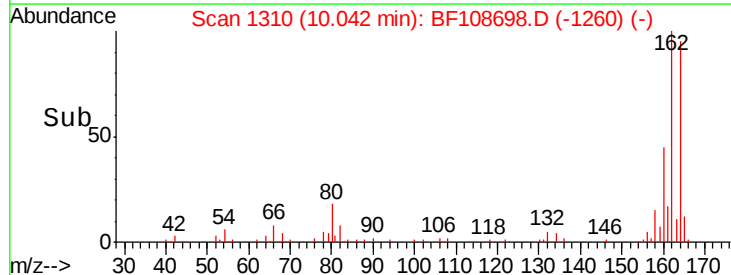
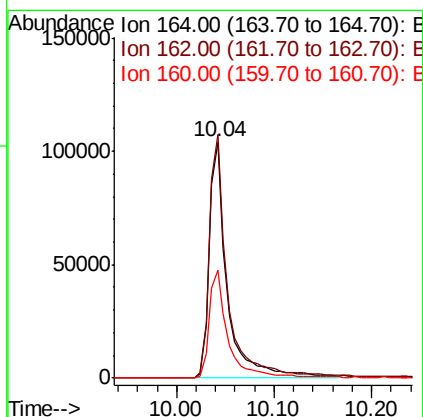
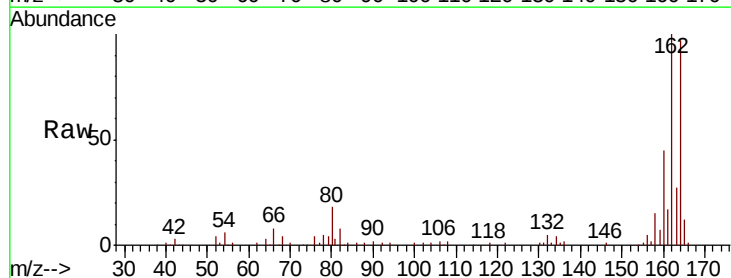
Instrument :
 BNA_F
 ClientSampled :

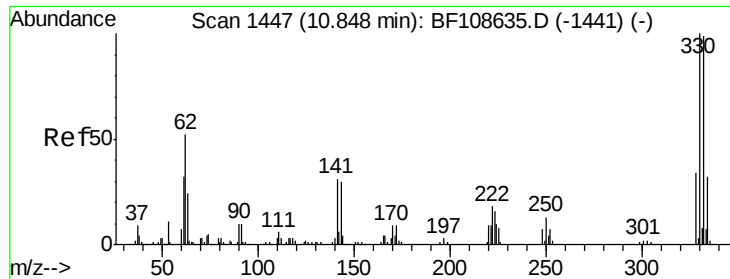
Tot Ion	82	Resp	10839
Ion Ratio	Lower	Upper	
82	100		
128	40.5	36.1	54.1
54	55.9	41.4	62.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108698.D
 Acq: 31 Aug 2018 19:23

Tgt Ion	164	Resp	134286
Ion Ratio	Lower	Upper	
164	100		
162	103.0	86.1	129.1
160	45.9	38.3	57.5

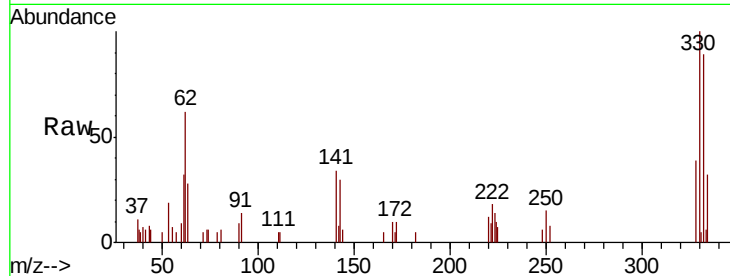




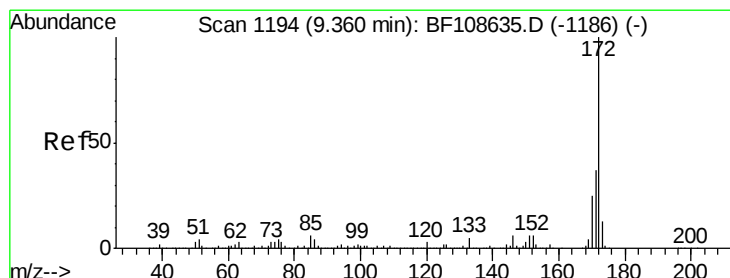
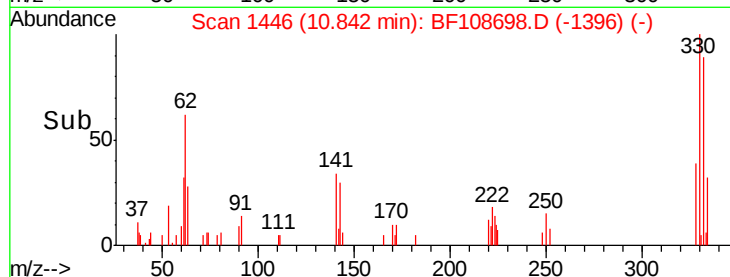
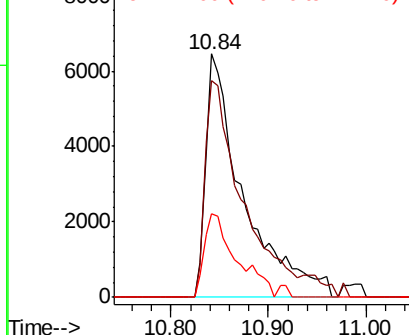
#41
 2,4,6-Tribromophenol
 Concen: 9.706 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108698.D
 Acq: 31 Aug 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 17206
 Ion Ratio Lower Upper
 330 100
 332 87.5 77.0 115.6
 141 29.4 29.9 44.9#

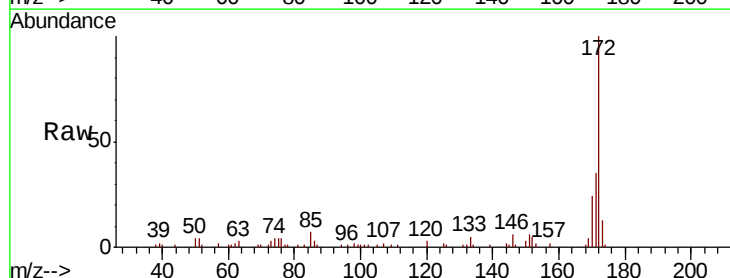


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

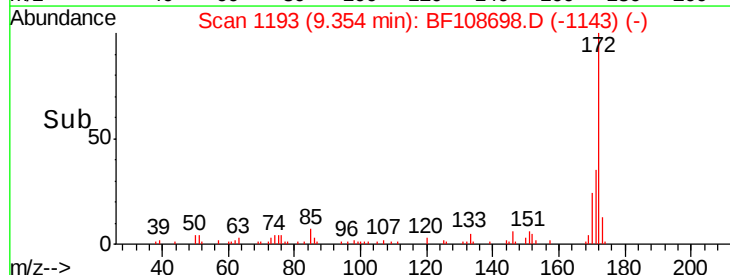
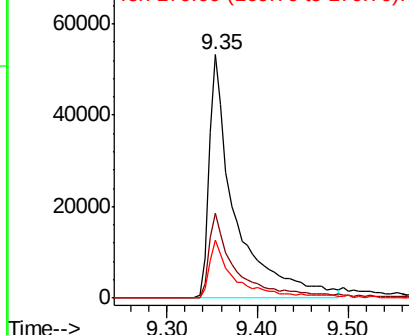


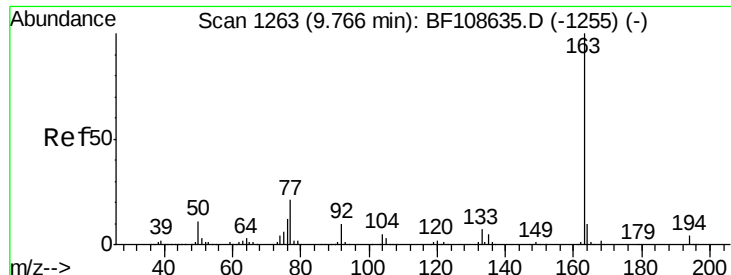
#44
 2-Fluorobiphenyl
 Concen: 10.727 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108698.D
 Acq: 31 Aug 2018 19:23

Tgt Ion:172 Resp: 107135
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 23.8 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

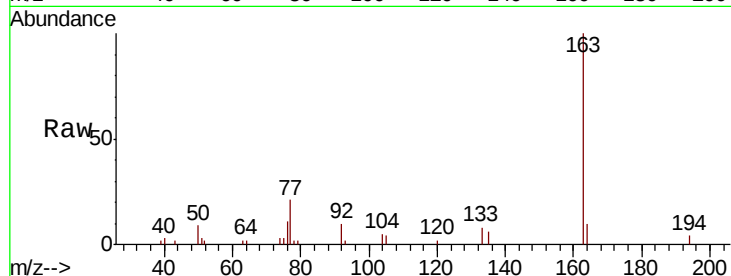




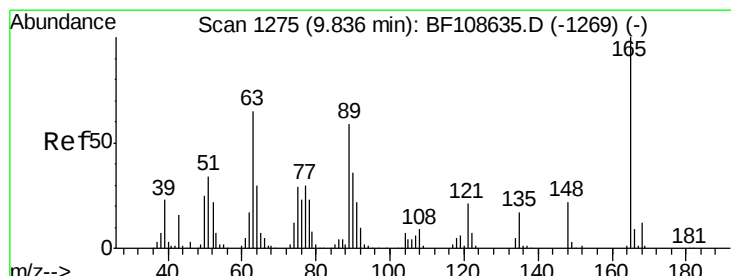
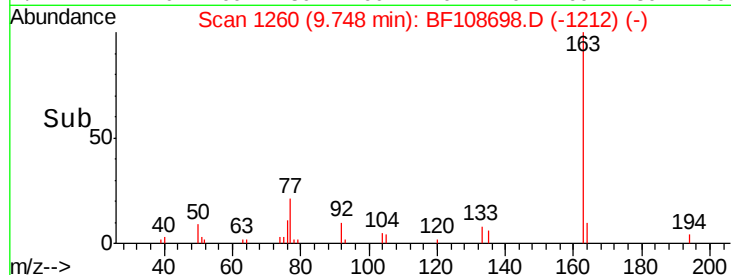
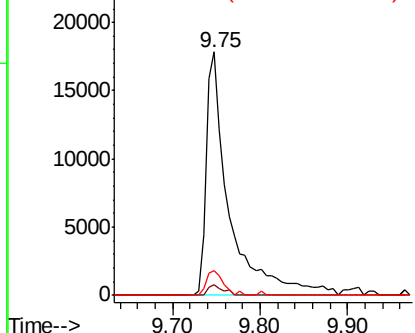
#49
Dimethylphthalate
Concen: 3.095 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 32725
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 9.9 8.2 12.2

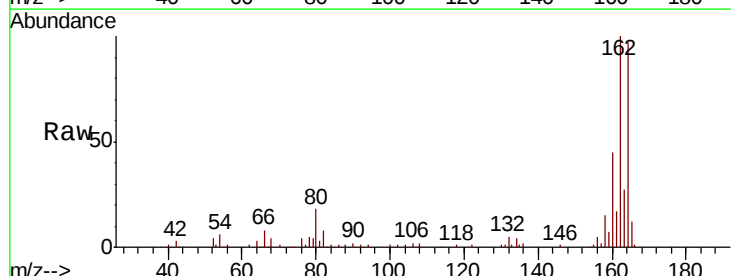


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

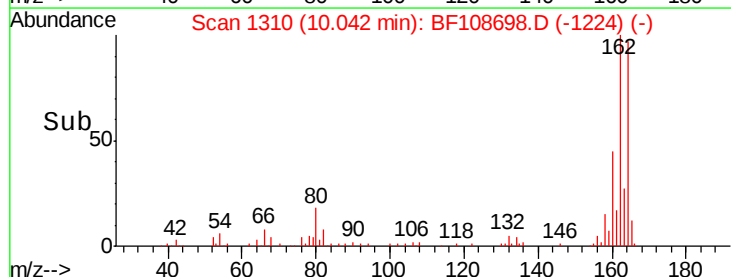
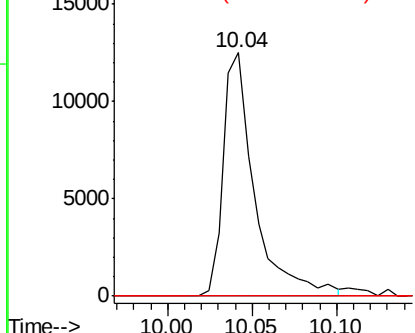


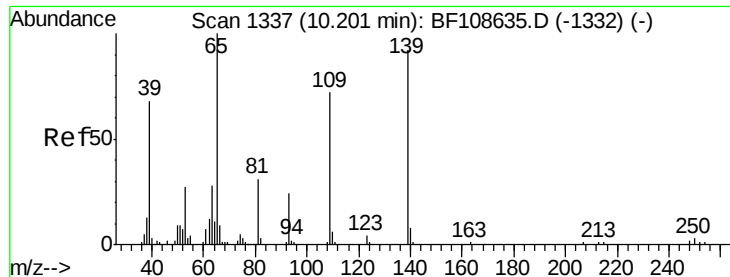
#50
2,6-Dinitrotoluene
Concen: 6.970 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

Tgt Ion:165 Resp: 16246
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





#55

4-Nitrophenol

Concen: 4.982 ng

RT: 10.27 min Scan# 1349

Delta R.T. 0.07 min

Lab File: BF108698.D

Acq: 31 Aug 2018 19:23

Instrument :

BNA_F

ClientSampleId :

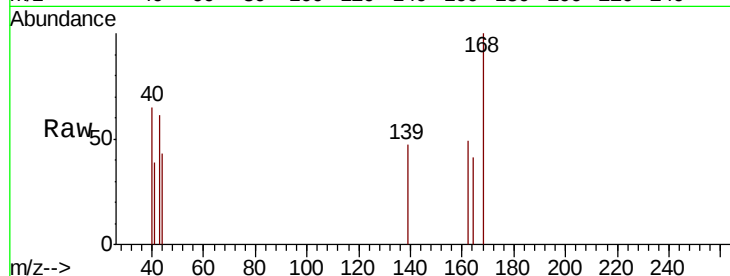
Tot Ion:139 Resp: 381

Ion Ratio Lower Upper

139 100

109 0.0 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

10.27

400

300

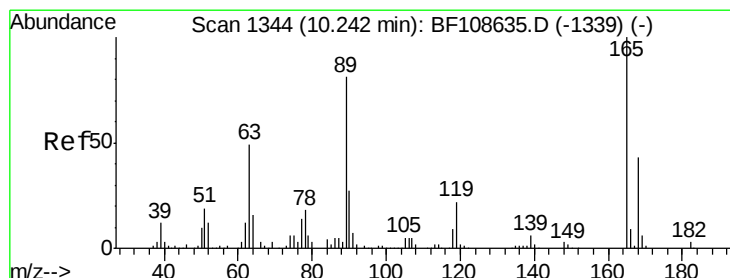
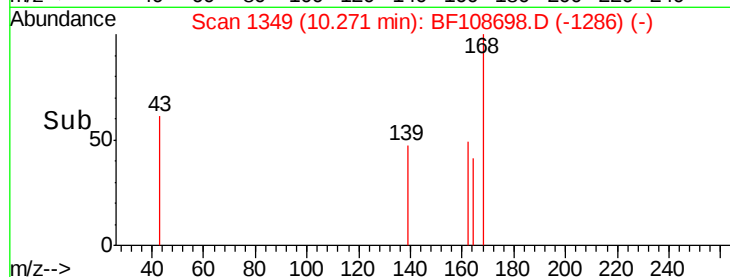
200

100

0

10.24 10.26 10.28 10.30

Time-->



#56

2,4-Dinitrotoluene

Concen: 5.384 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.20 min

Lab File: BF108698.D

Acq: 31 Aug 2018 19:23

Tgt Ion:165 Resp: 16617

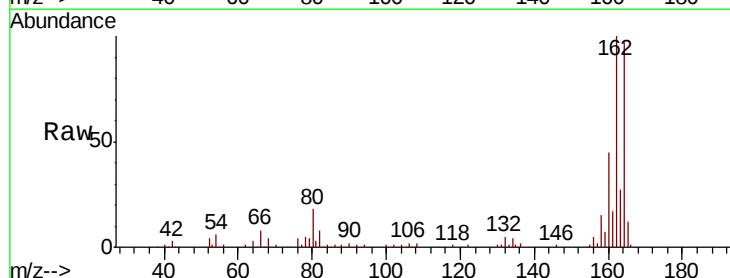
Ion Ratio Lower Upper

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): BF1

10.04

20000

15000

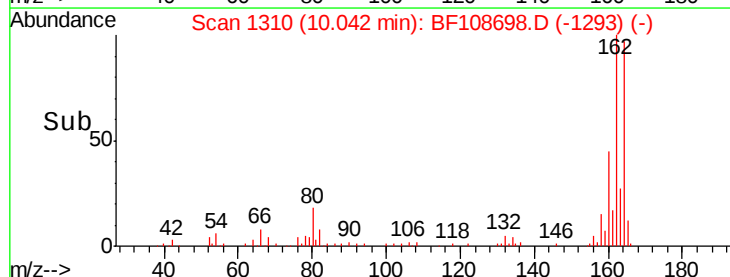
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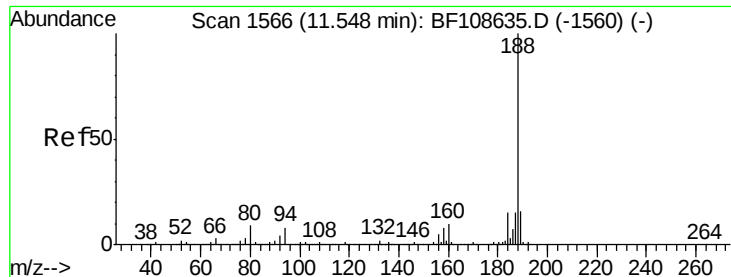
5000

0

10.00 10.10

Time-->

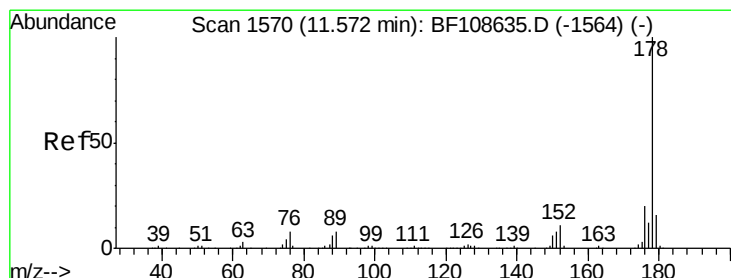
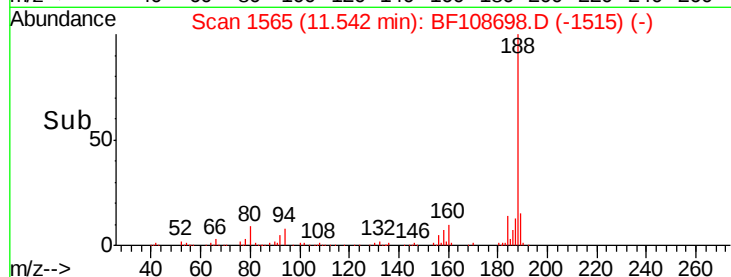
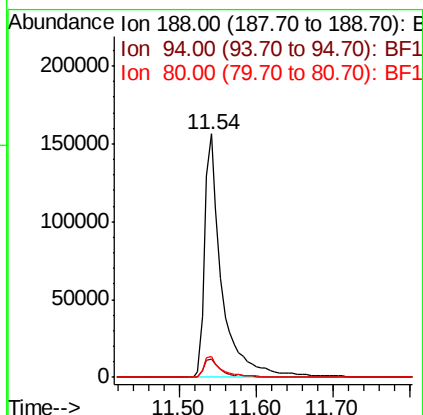
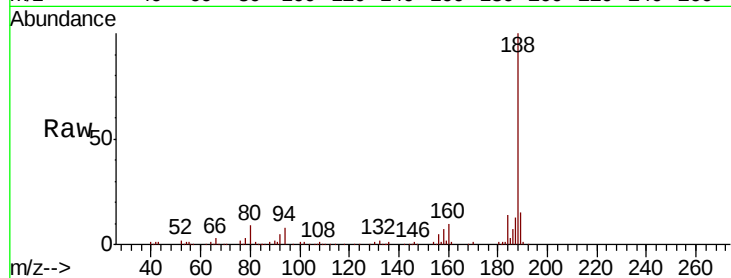




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

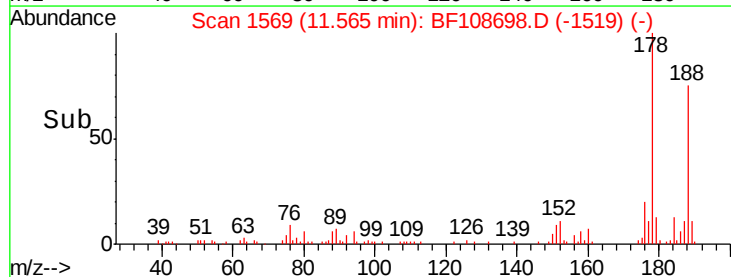
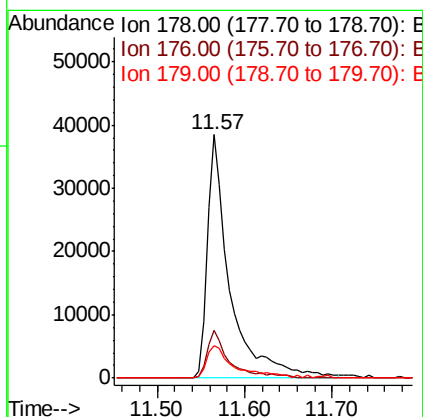
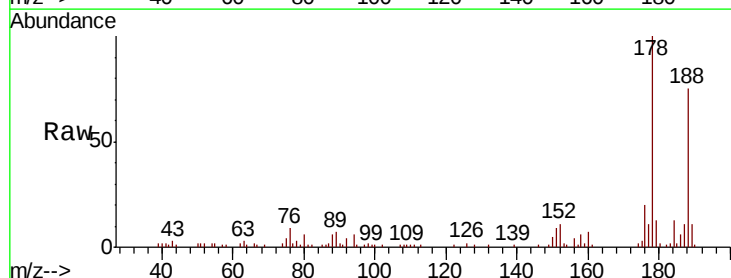
Instrument :
BNA_F
ClientSampleId :

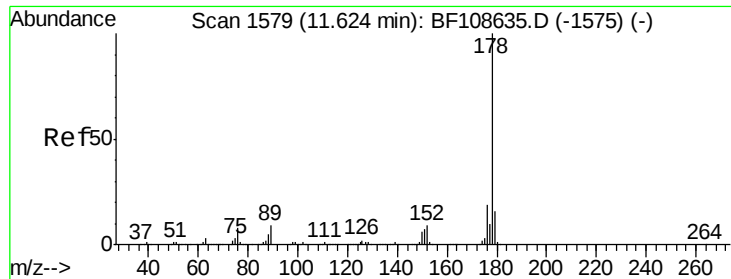
Tot Ion:188 Resp: 242230
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 8.7 9.2 13.8#



#70
Phenanthrene
Concen: 5.631 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

Tgt Ion:178 Resp: 68845
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 13.4 13.0 19.6

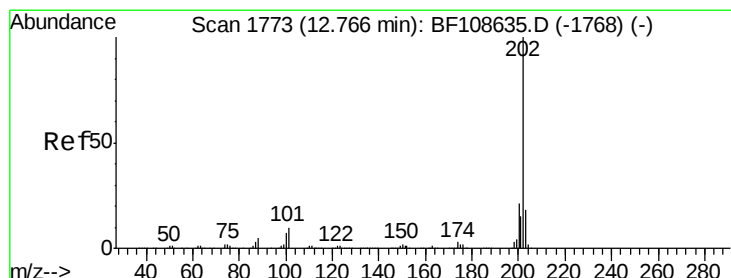
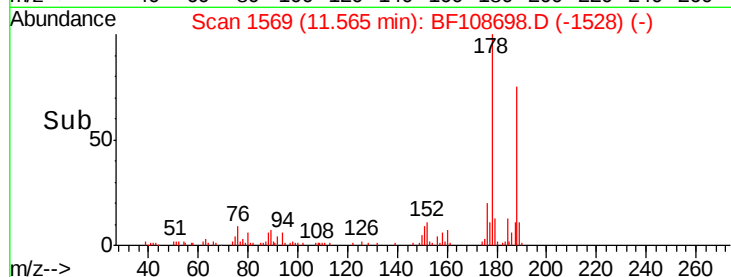
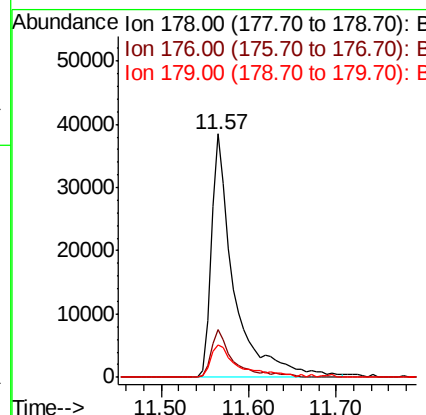
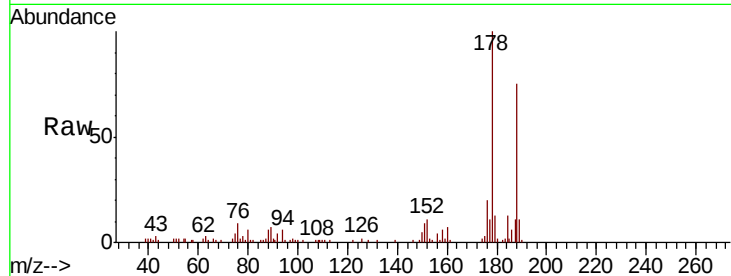




#71
 Anthracene
 Concen: 5.359 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.06 min
 Lab File: BF108698.D
 Acq: 31 Aug 2018 19:23

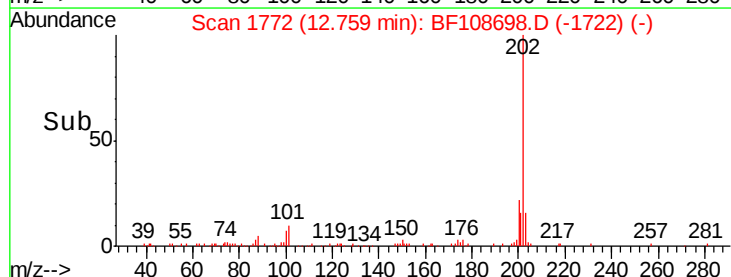
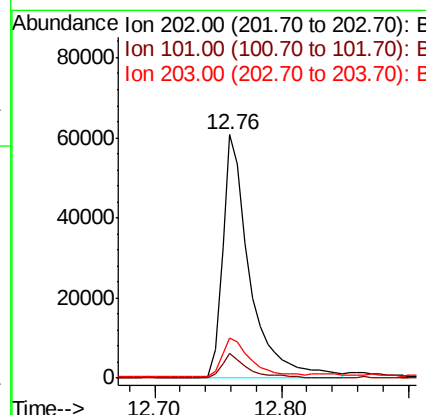
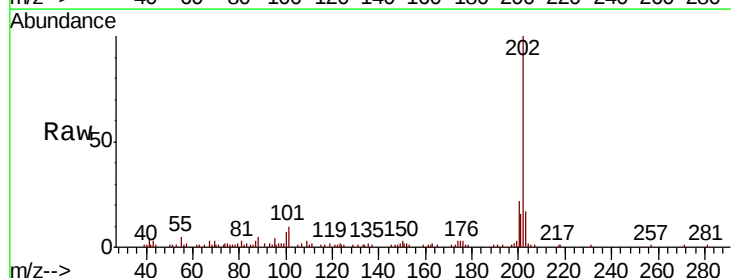
Instrument :
 BNA_F
 ClientSampleId :

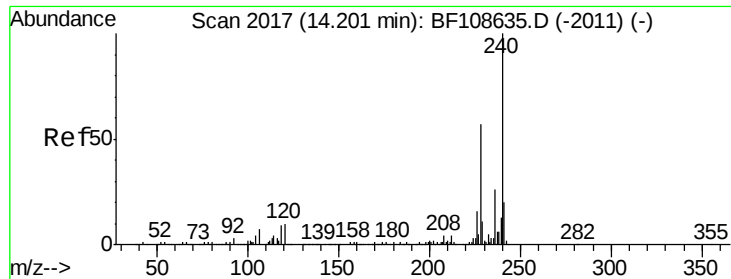
Tot Ion:178 Resp: 68845
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 13.4 12.6 19.0



#74
 Fluoranthene
 Concen: 6.595 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108698.D
 Acq: 31 Aug 2018 19:23

Tgt Ion:202 Resp: 90769
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 34.1
 203 16.7 0.0 38.1

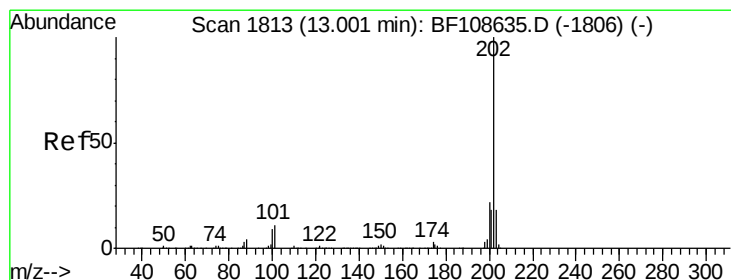
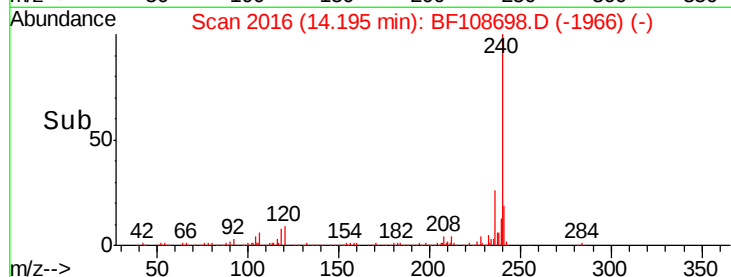
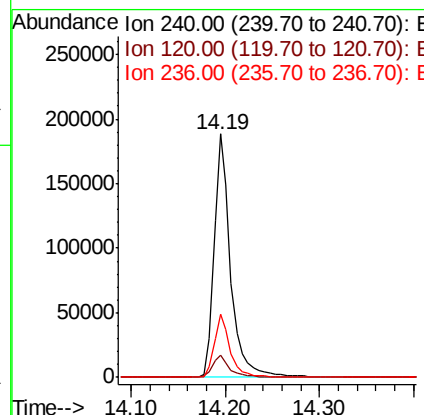
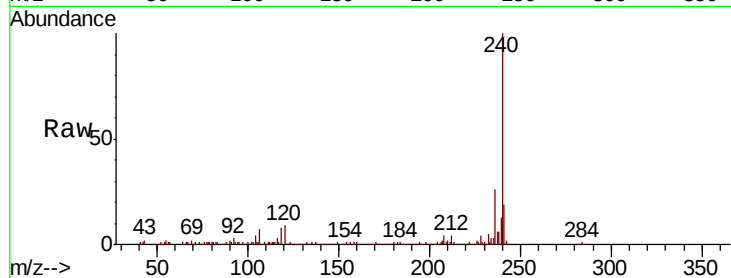




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

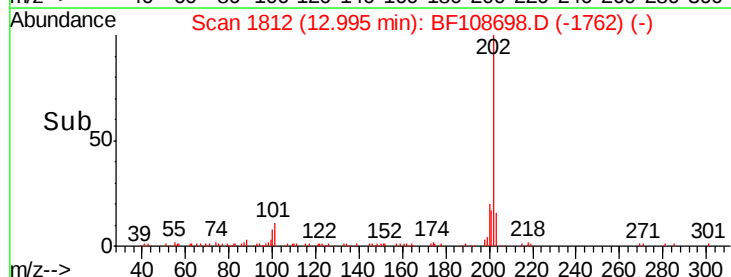
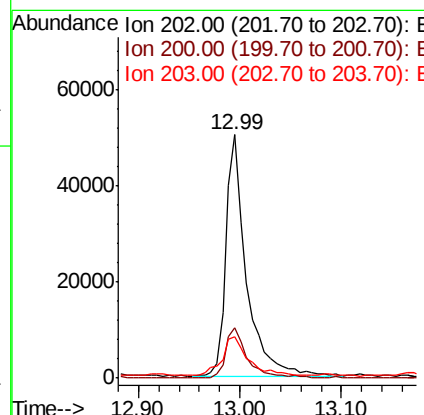
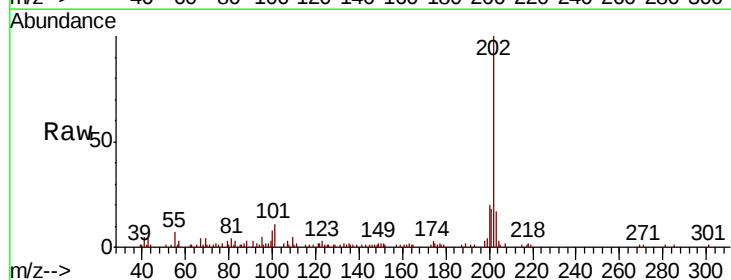
Instrument :
BNA_F
ClientSampled :

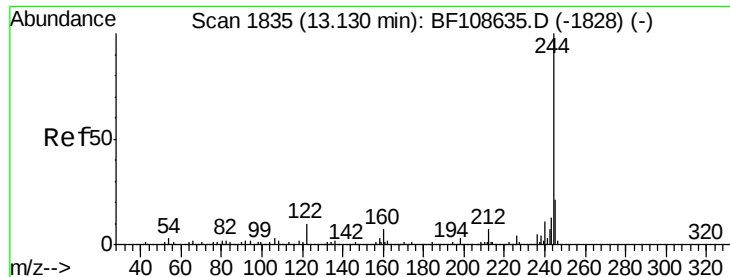
Tot Ion:240 Resp: 232379
Ion Ratio Lower Upper
240 100
120 9.2 9.5 14.3#
236 25.7 20.7 31.1



#77
Pyrene
Concen: 4.022 ng
RT: 12.99 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

Tgt Ion:202 Resp: 70260
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.0 14.3 21.5

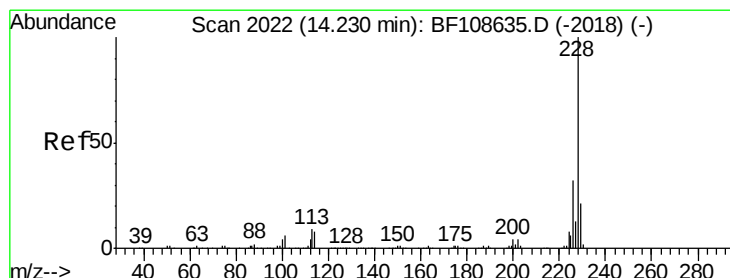
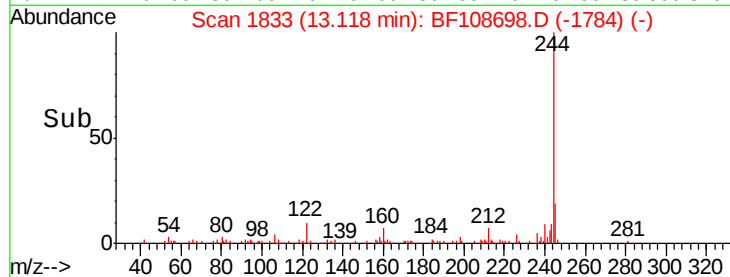
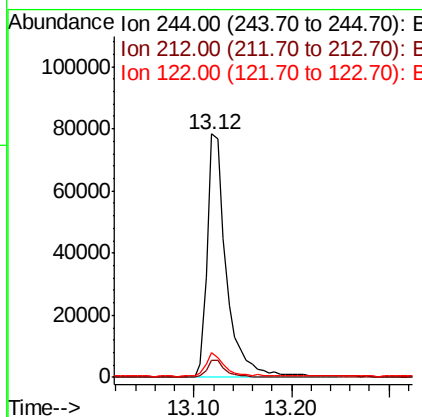
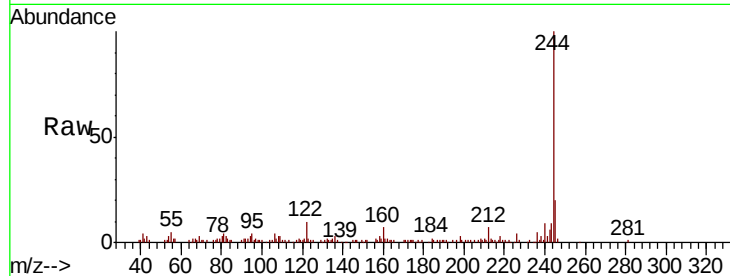




#78
 Terphenyl-d14
 Concen: 9.040 ng
 RT: 13.12 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF108698.D
 Acq: 31 Aug 2018 19:23

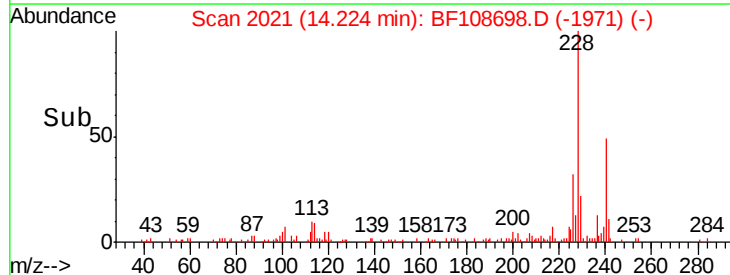
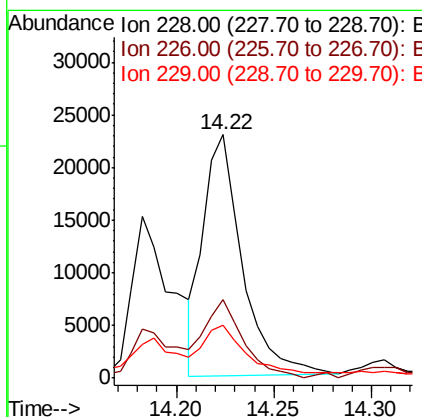
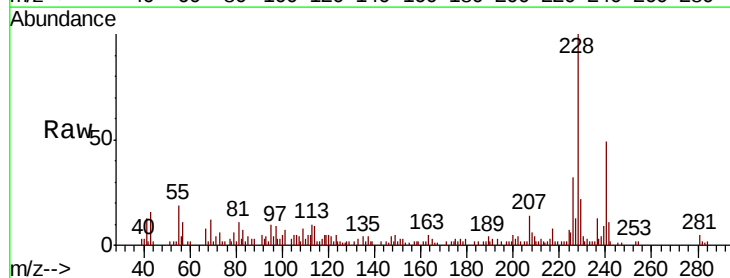
Instrument :
 BNA_F
 ClientSampled :

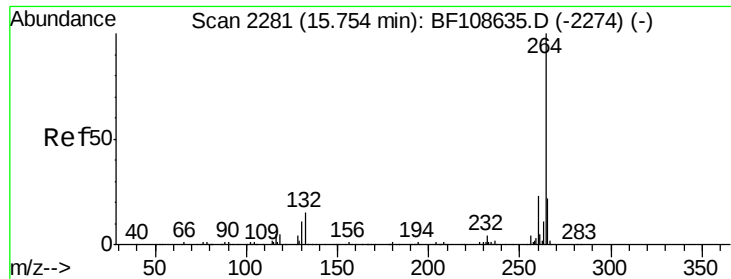
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.3	11.0	16.4



#82
 Chrysene
 Concen: 2.330 ng
 RT: 14.22 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF108698.D
 Acq: 31 Aug 2018 19:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.0	37.6
229	21.6	16.2	24.4

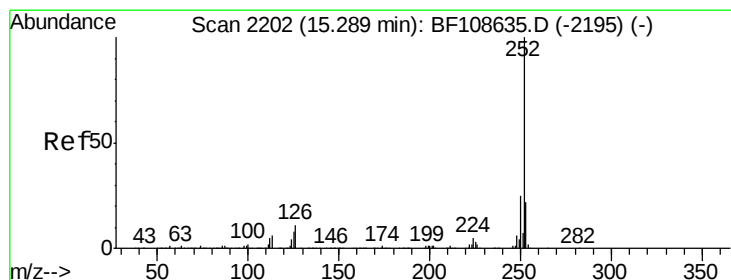
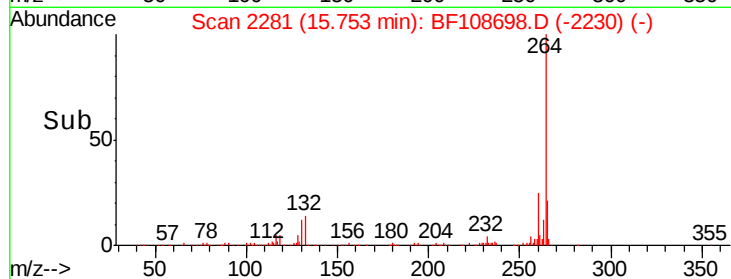
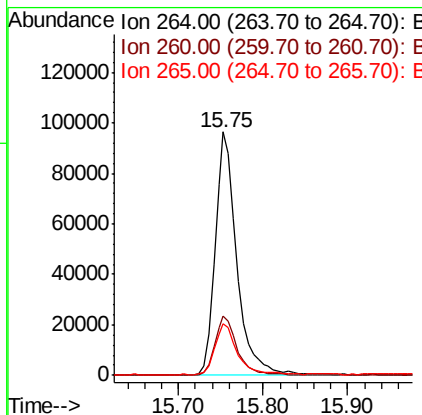
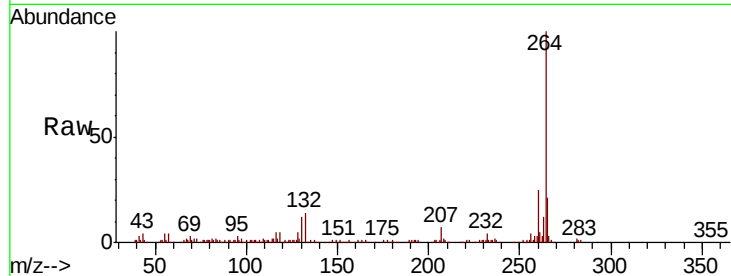




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

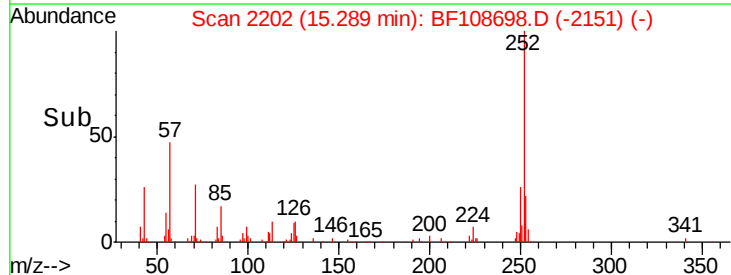
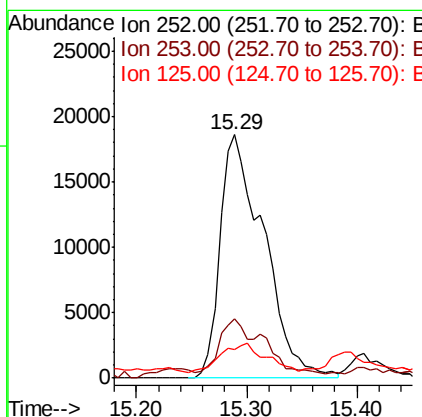
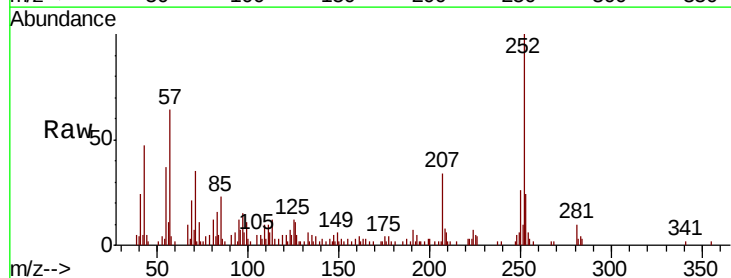
Instrument :
BNA_F
ClientSampleId :

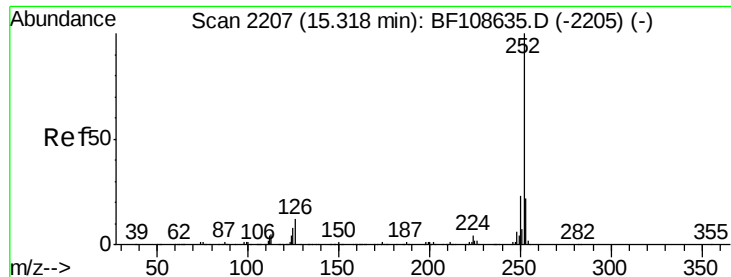
Tot Ion:264 Resp: 173678
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.822 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

Tgt Ion:252 Resp: 51442
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 11.7 9.0 13.6

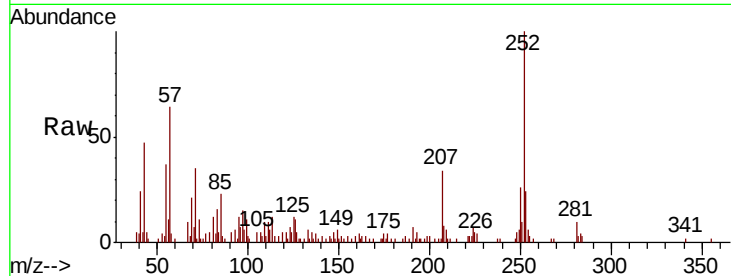




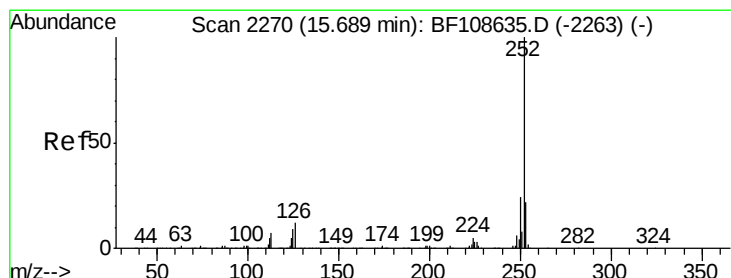
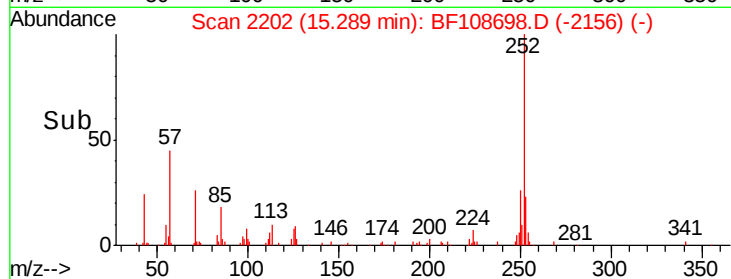
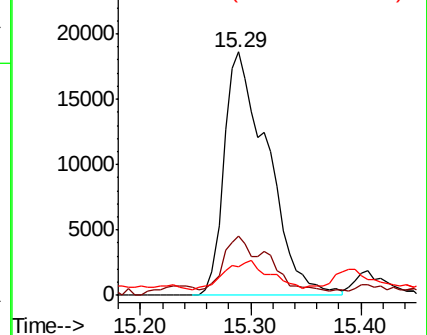
#88
Benzo(k)fluoranthene
Concen: 4.867 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 51442
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 11.7 10.2 15.2

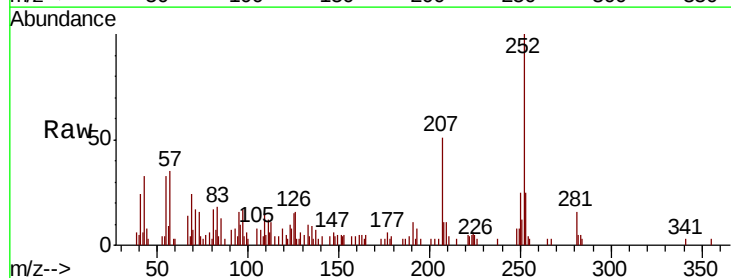


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.250 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF108698.D
Acq: 31 Aug 2018 19:23

Tgt Ion:252 Resp: 21692
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 15.1 9.8 14.6#



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

