

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108652.D
 Acq On : 30 Aug 2018 20:45
 Operator : JU/SJ
 Sample : J4282-17 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 01:12:14 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

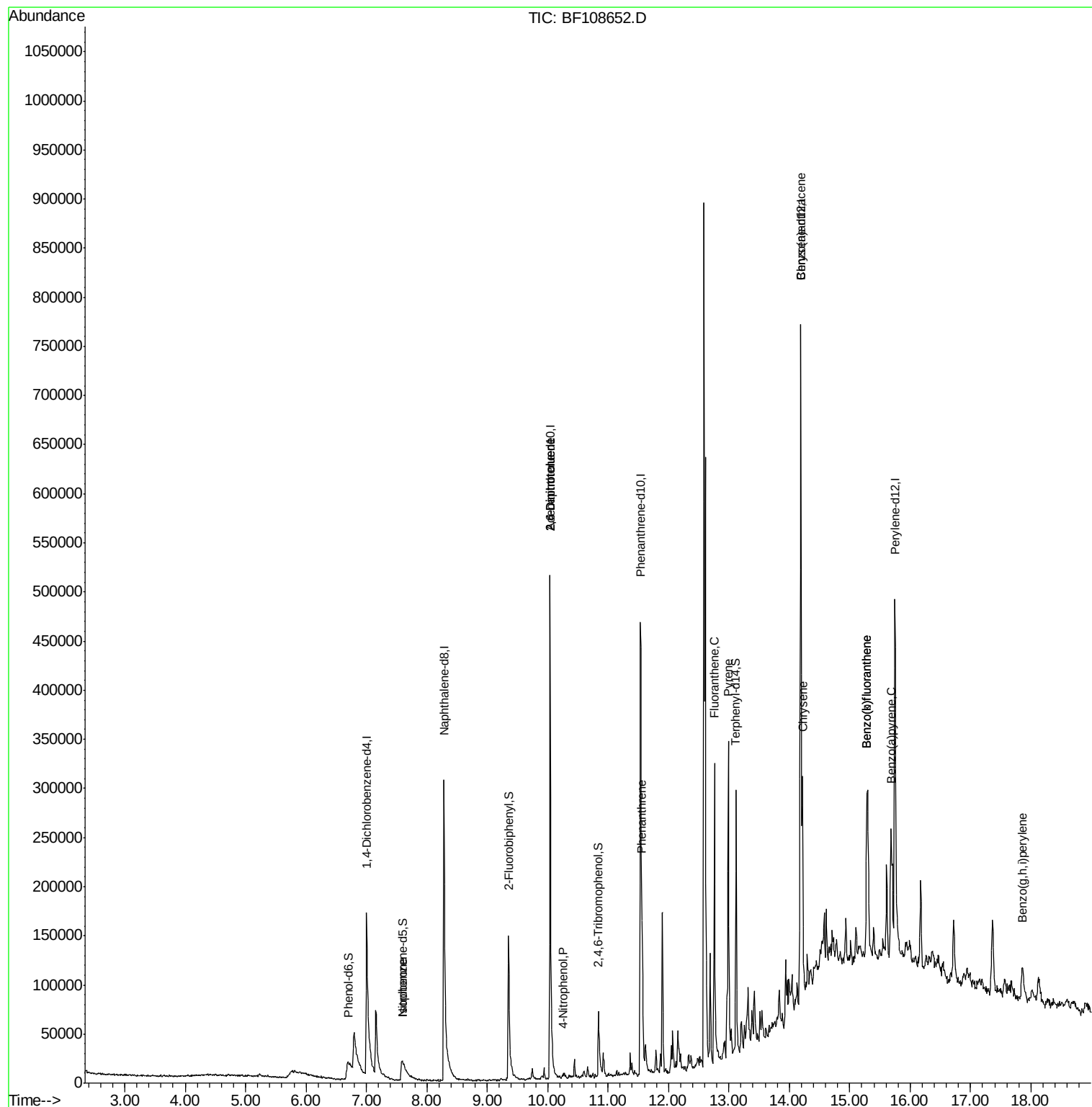
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	60907	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	287822	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	136391	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	243930	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	242539	20.00	ng	-0.01
86) Perylene-d12	15.75	264	221458	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	2784	0.79	ng	0.07
7) Phenol-d6	6.70	99	20713	4.12	ng	0.05
23) Nitrobenzene-d5	7.60	82	42160	7.44	ng	0.02
41) 2,4,6-Tribromophenol	10.84	330	16850	9.36	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	92019	9.07	ng	0.00
78) Terphenyl-d14	13.12	244	96616	7.74	ng	-0.01
Target Compounds						
25) Isophorone	7.60	82	42160	4.476	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	16981	7.173	ng	# 25
55) 4-Nitrophenol	10.26	139	274	4.917	ng	# 9
56) 2,4-Dinitrotoluene	10.04	165	16981	5.417	ng	# 23
70) Phenanthrene	11.57	178	67101	5.450	ng	99
74) Fluoranthene	12.76	202	167939	12.118	ng	93
77) Pyrene	12.99	202	168442	9.239	ng	99
80) Benzo(a)anthracene	14.18	228	87677	5.930	ng	98
82) Chrysene	14.22	228	90481	6.363	ng	98
87) Benzo(b)fluoranthene	15.28	252	149027	10.955	ng	98
88) Benzo(k)fluoranthene	15.28	252	149027	11.058	ng	97
89) Benzo(a)pyrene	15.68	252	77342	6.291	ng	97
91) Benzo(a,h,i)perylene	17.86	276	36778	3.854	ng	# 85

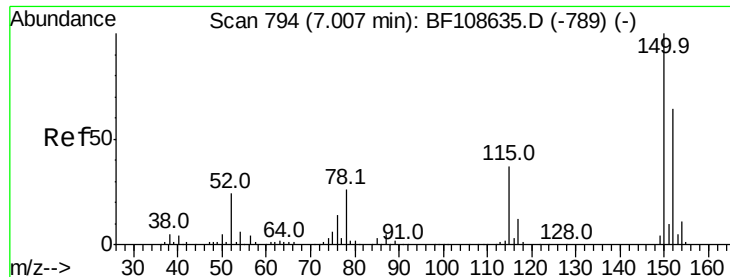
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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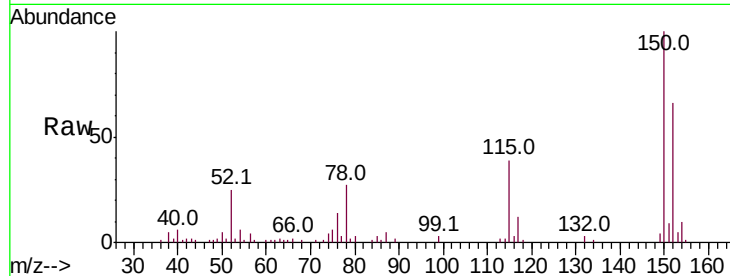


#1

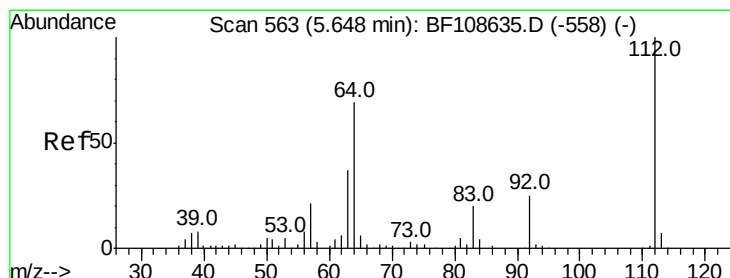
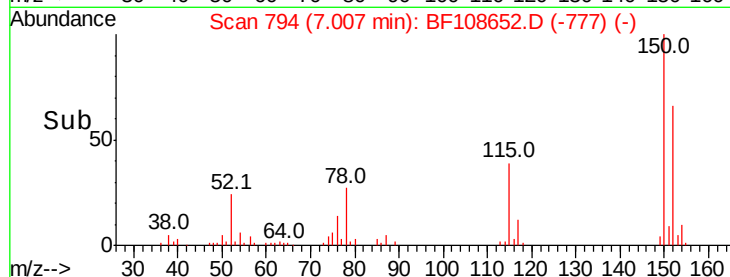
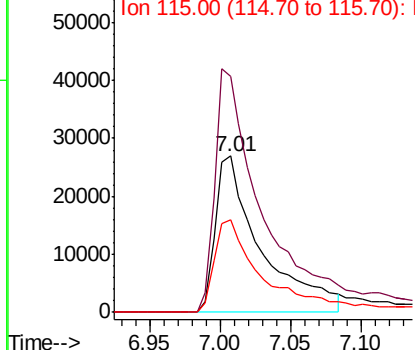
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 60907
Ion Ratio Lower Upper
152 100
150 150.8 124.6 186.8
115 59.3 50.1 75.1



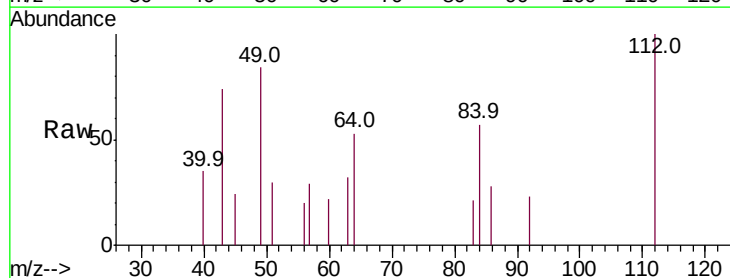
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



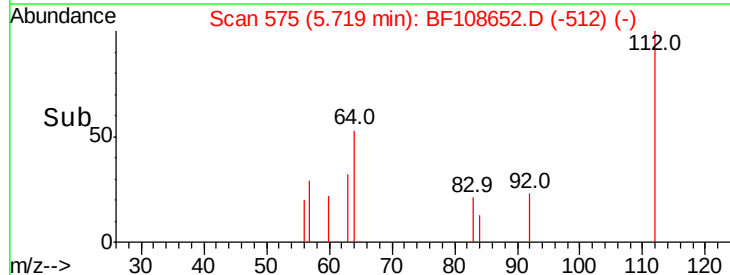
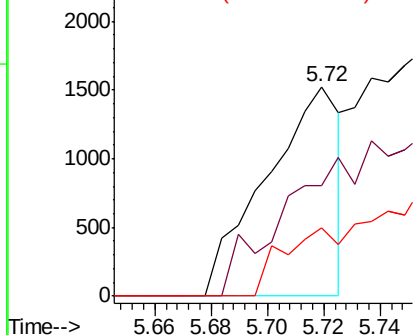
#5

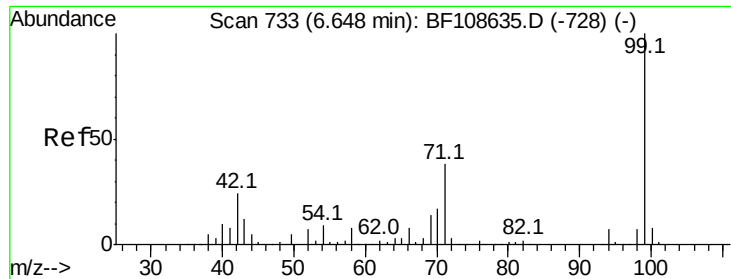
2-Fluorophenol
Concen: 0.794 ng
RT: 5.72 min Scan# 575
Delta R.T. 0.07 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion:112 Resp: 2784
Ion Ratio Lower Upper
112 100
64 52.8 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: 4.125 ng

RT: 6.70 min Scan# 741

Delta R.T. 0.05 min

Lab File: BF108652.D

Acq: 30 Aug 2018 20:45

Instrument :

BNA_F

ClientSampleId :

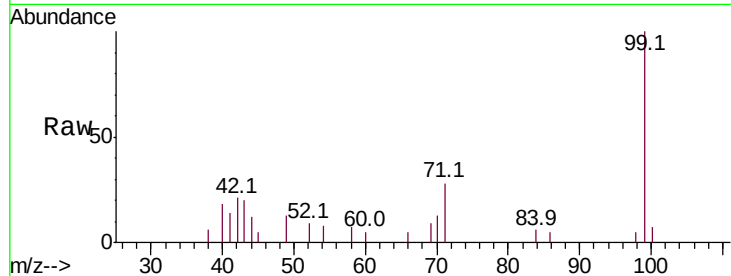
Tot Ion: 99 Resp: 20713

Ion Ratio Lower Upper

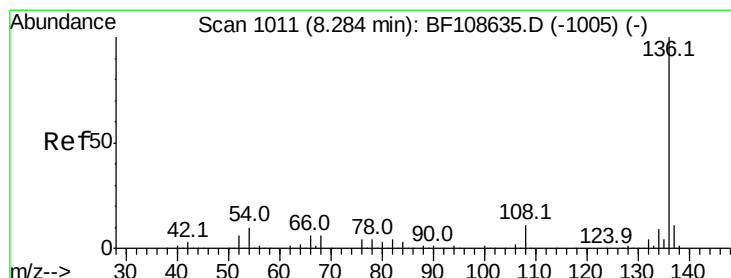
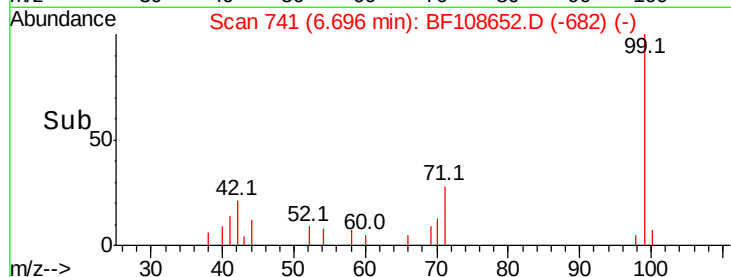
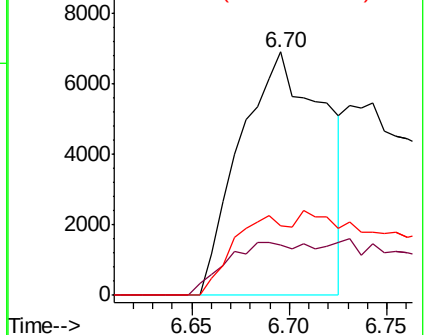
99 100

42 20.8 14.5 21.7

71 28.5 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: BF108652.D

Acq: 30 Aug 2018 20:45

Tgt Ion: 136 Resp: 287822

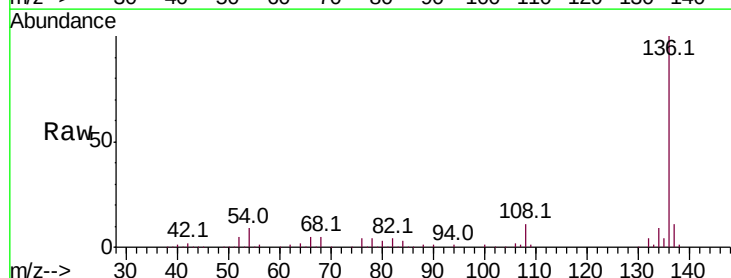
Ion Ratio Lower Upper

136 100

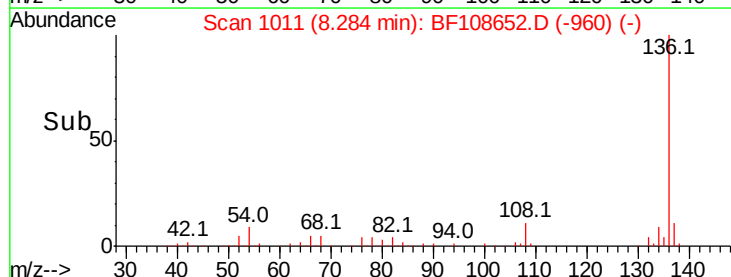
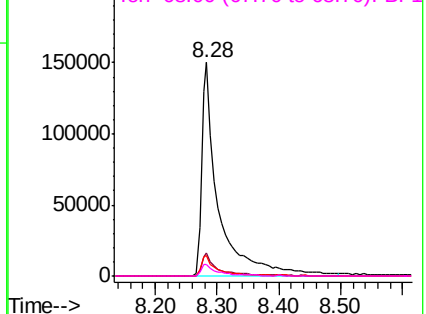
137 11.1 8.9 13.3

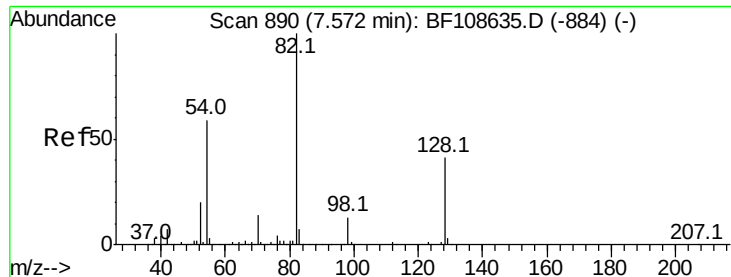
54 9.4 6.6 9.8

68 5.3 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

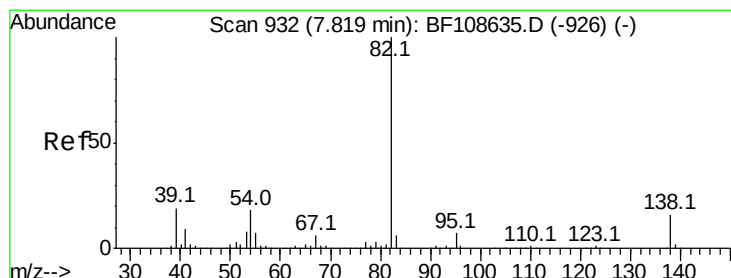
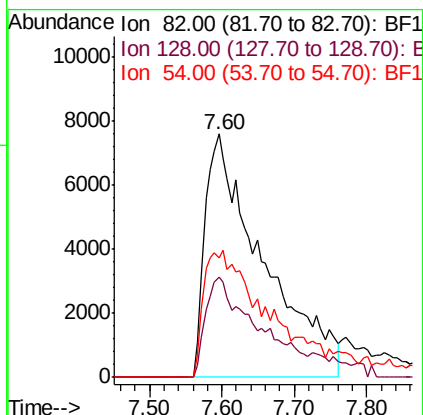
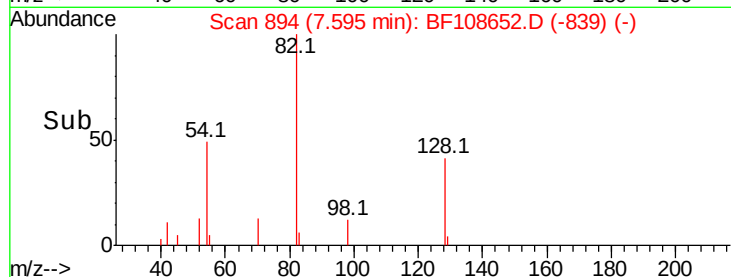
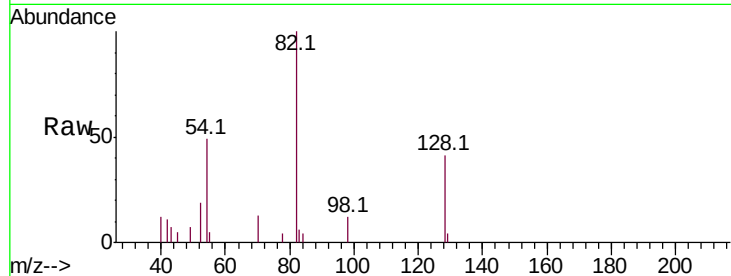




#23
Nitrobenzene-d5
Concen: 7.435 ng
RT: 7.60 min Scan# 894
Delta R.T. 0.02 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

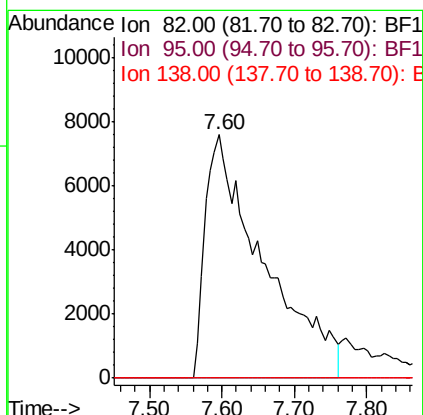
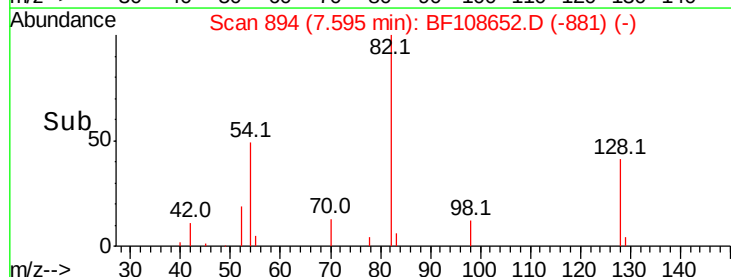
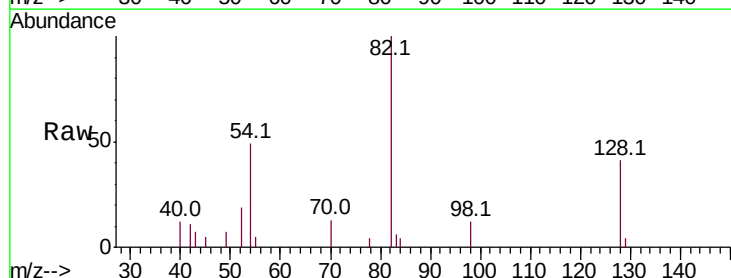
Instrument :
BNA_F
ClientSampleId :

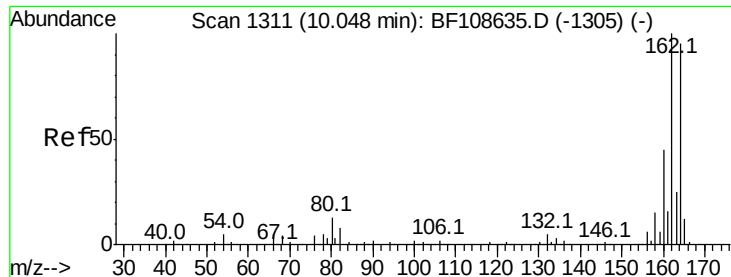
Tot Ion: 82 Resp: 42160
Ion Ratio Lower Upper
82 100
128 41.4 36.1 54.1
54 48.9 41.4 62.2



#25
Isophorone
Concen: 4.476 ng
RT: 7.60 min Scan# 894
Delta R.T. -0.22 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion: 82 Resp: 42160
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

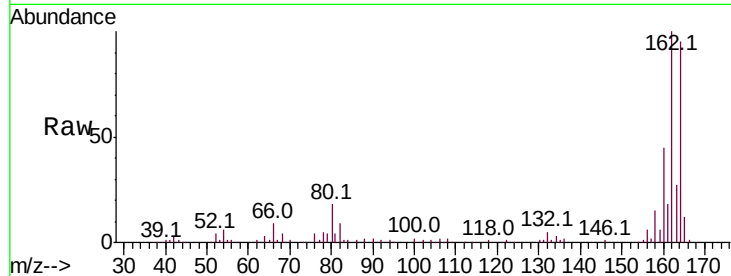




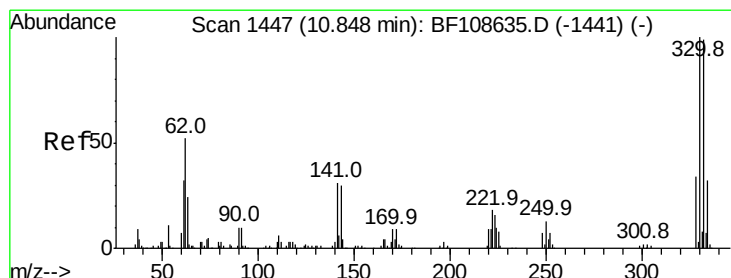
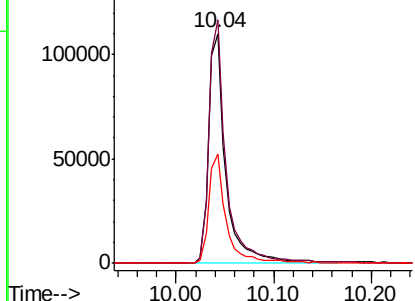
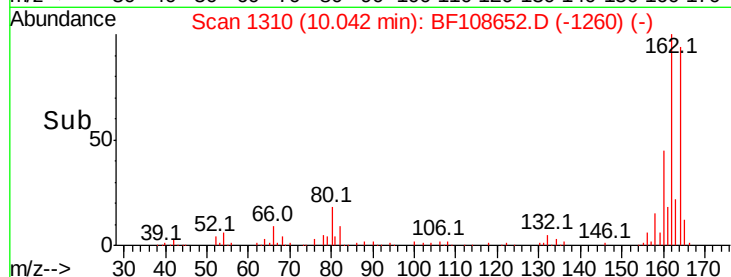
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108652.D
 Acq: 30 Aug 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 136391
 Ion Ratio Lower Upper
 164 100
 162 105.8 86.1 129.1
 160 47.2 38.3 57.5

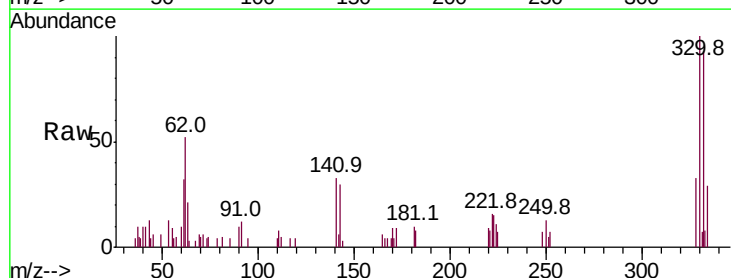


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

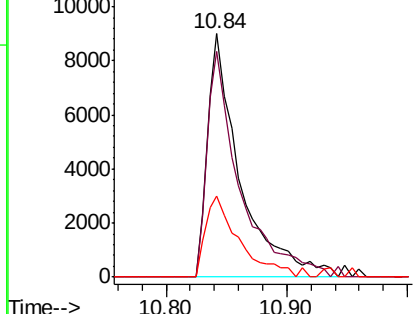
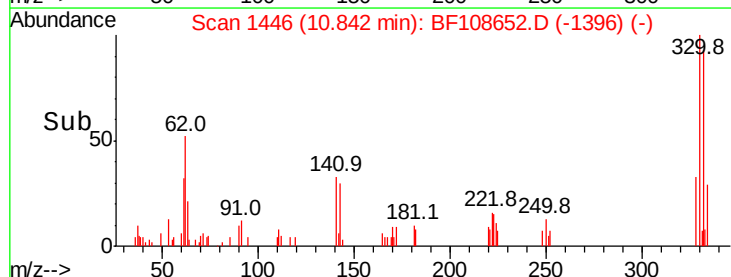


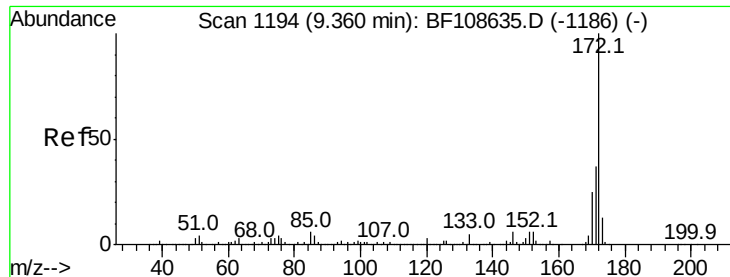
#41
 2,4,6-Tribromophenol
 Concen: 9.358 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108652.D
 Acq: 30 Aug 2018 20:45

Tgt Ion:330 Resp: 16850
 Ion Ratio Lower Upper
 330 100
 332 92.3 77.0 115.6
 141 34.7 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: 9.071 ng

RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF108652.D

Acq: 30 Aug 2018 20:45

Instrument :

BNA_F

ClientSampleId :

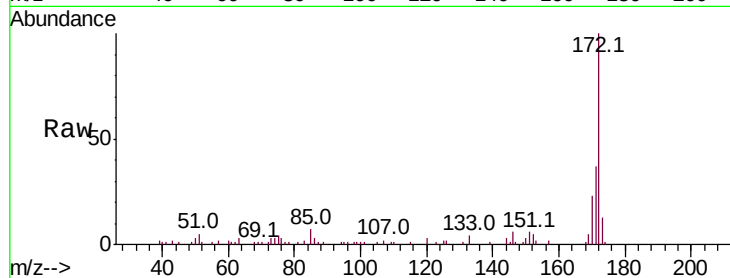
Tot Ion:172 Resp: 92019

Ion Ratio Lower Upper

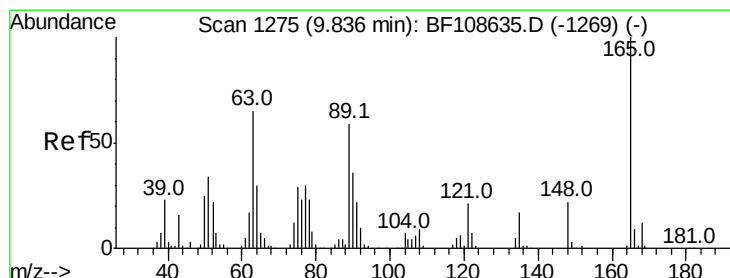
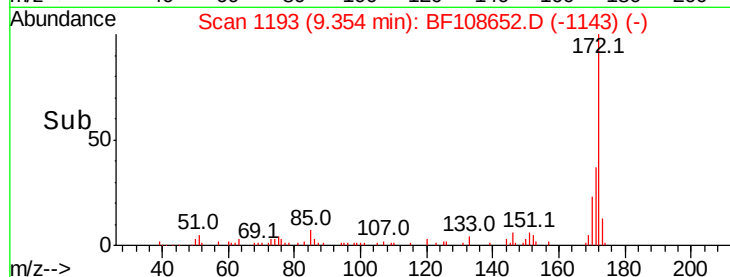
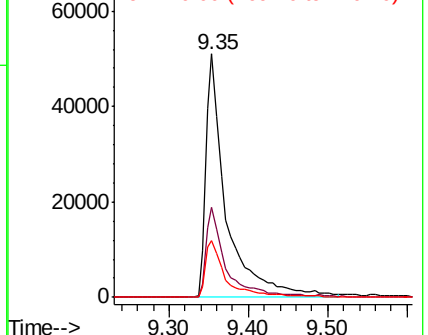
172 100

171 37.1 29.7 44.5

170 23.2 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



#50

2,6-Dinitrotoluene

Concen: 7.173 ng

RT: 10.04 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF108652.D

Acq: 30 Aug 2018 20:45

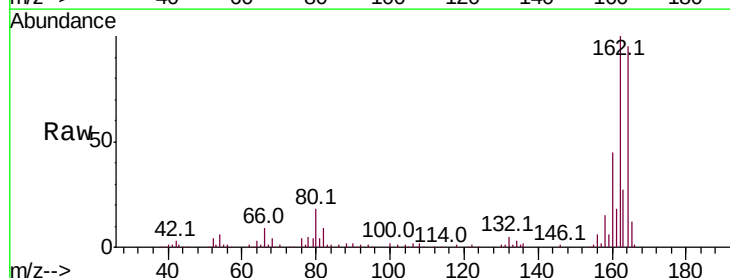
Tgt Ion:165 Resp: 16981

Ion Ratio Lower Upper

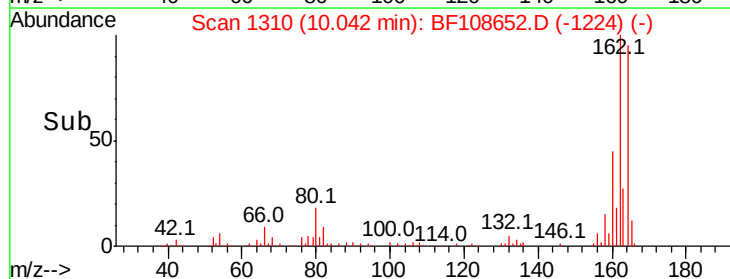
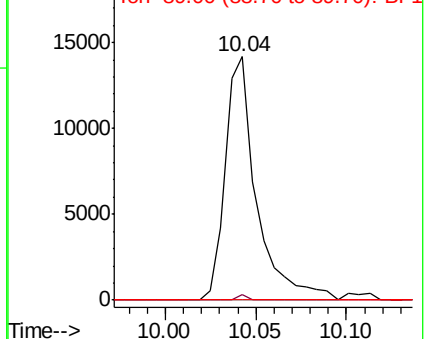
165 100

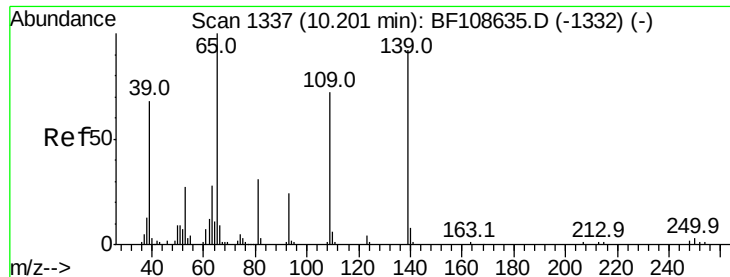
63 2.2 44.7 67.1#

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

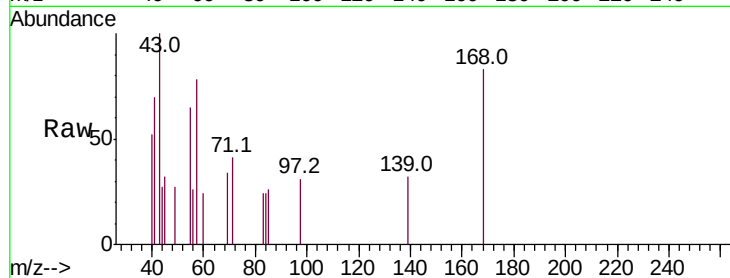




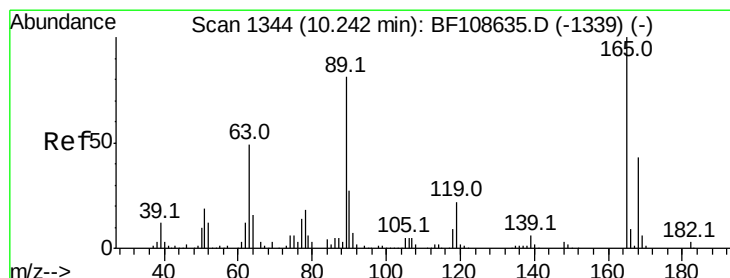
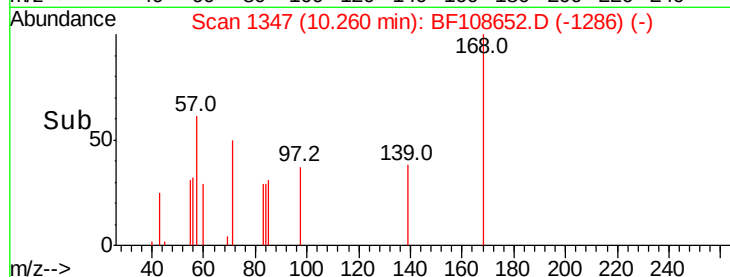
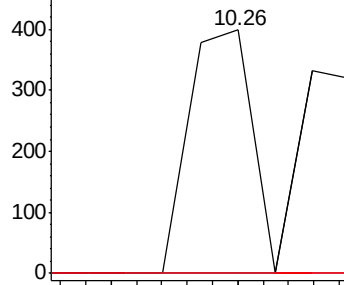
#55
4-Nitrophenol
Concen: 4.917 ng
RT: 10.26 min Scan# 1347
Delta R.T. 0.06 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 274
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

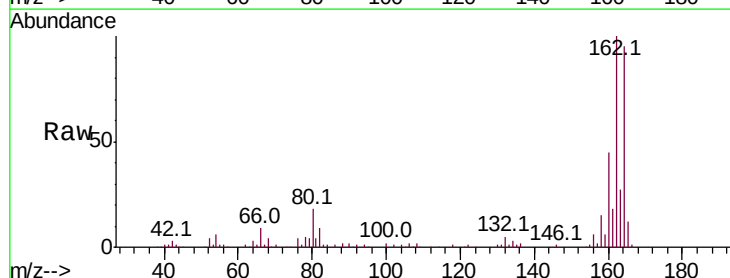


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

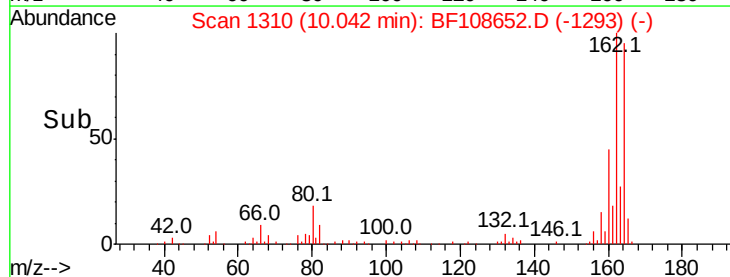
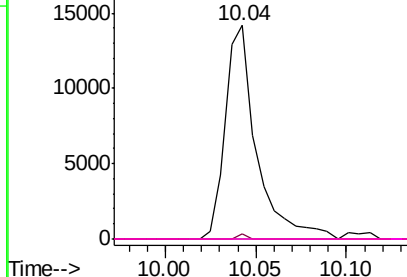


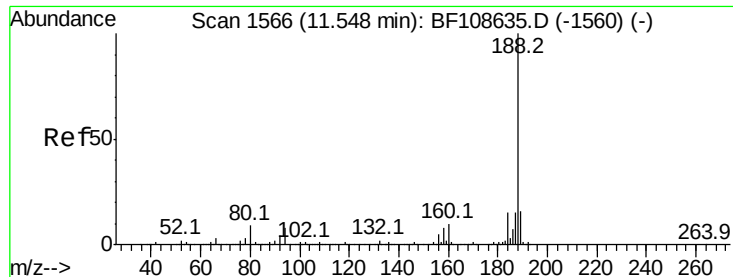
#56
2,4-Dinitrotoluene
Concen: 5.417 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.20 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion:165 Resp: 16981
Ion Ratio Lower Upper
165 100
63 2.2 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

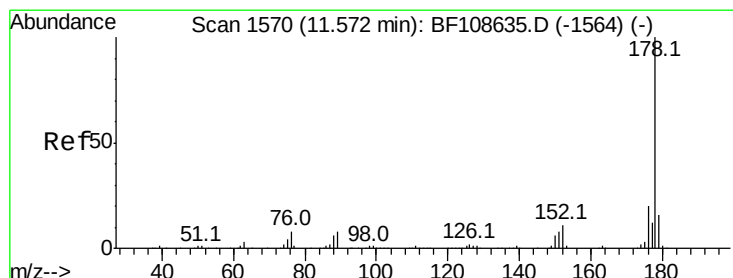
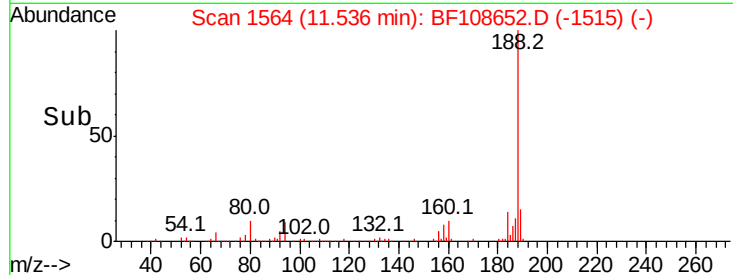
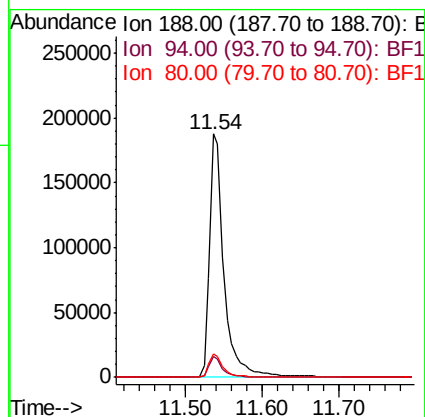
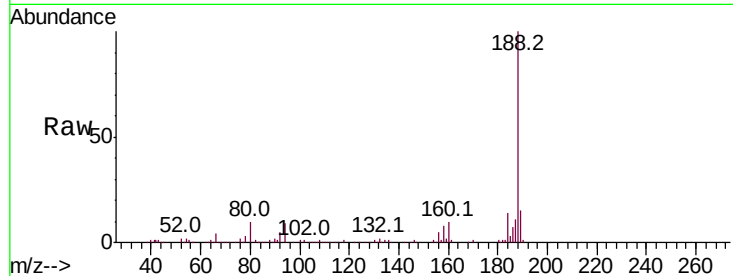




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

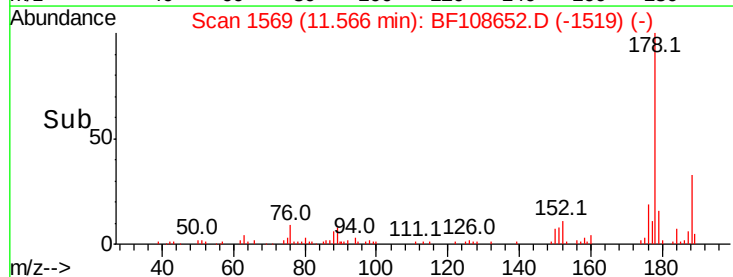
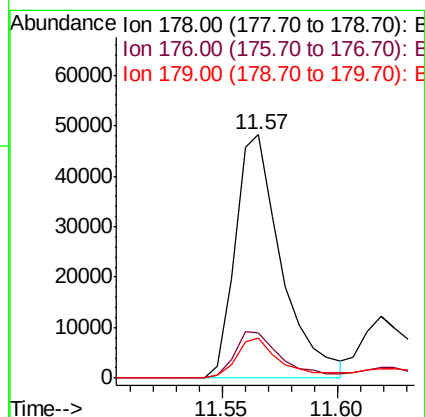
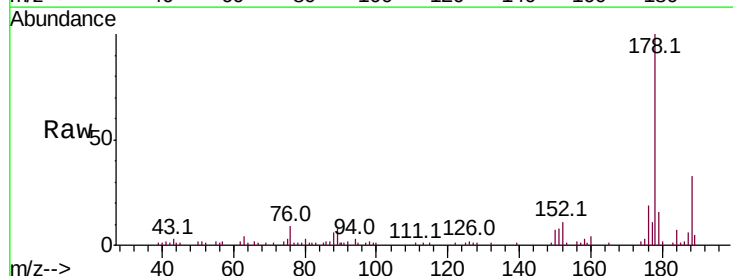
Instrument :
BNA_F
ClientSampled :

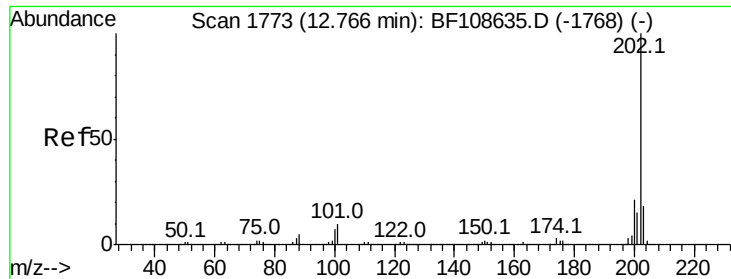
Tot Ion:188 Resp: 243930
Ion Ratio Lower Upper
188 100
94 8.7 8.5 12.7
80 9.7 9.2 13.8



#70
Phenanthrene
Concen: 5.450 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion:178 Resp: 67101
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 16.3 13.0 19.6





#74

Fluoranthene

Concen: 12.118 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108652.D

Acq: 30 Aug 2018 20:45

Instrument :

BNA_F

ClientSampleId :

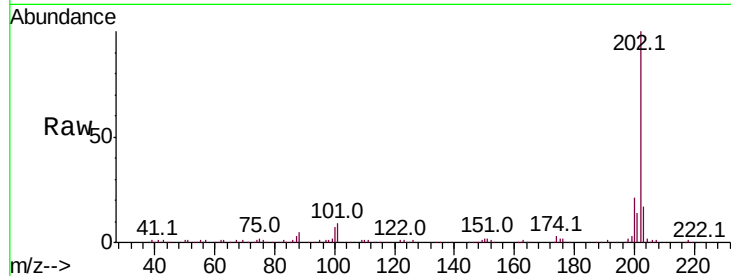
Tot Ion:202 Resp: 167939

Ion Ratio Lower Upper

202 100

101 8.7 0.0 34.1

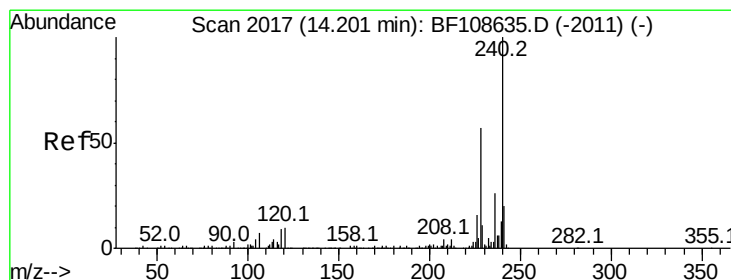
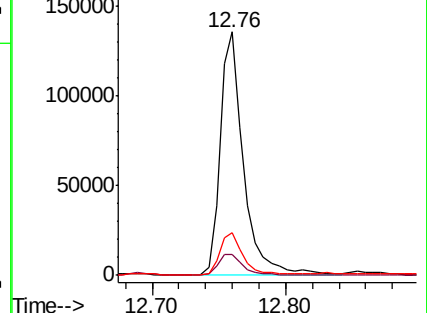
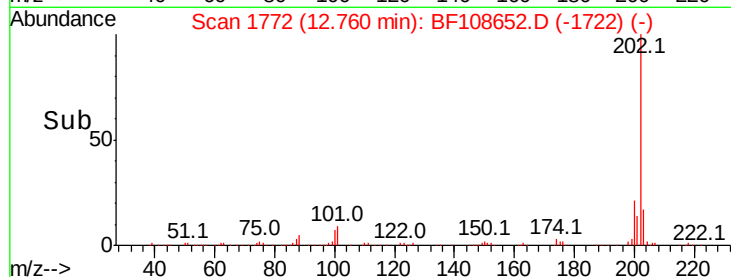
203 17.4 0.0 38.1



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: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108652.D

Acq: 30 Aug 2018 20:45

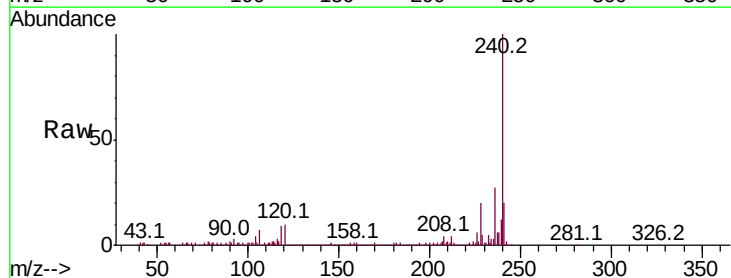
Tgt Ion:240 Resp: 242539

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

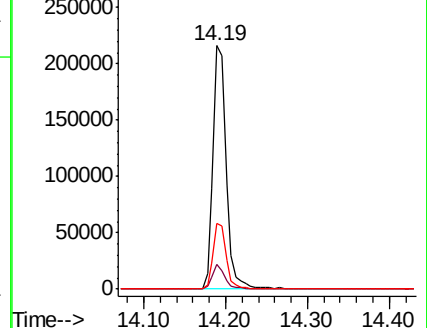
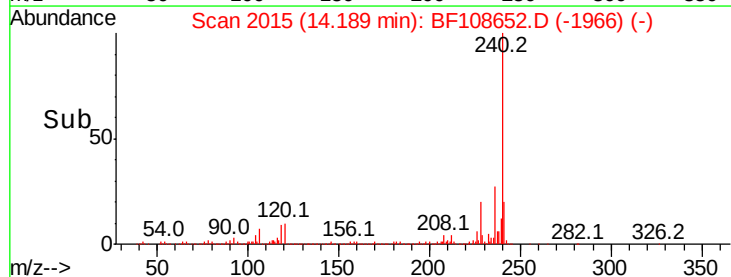
236 26.9 20.7 31.1

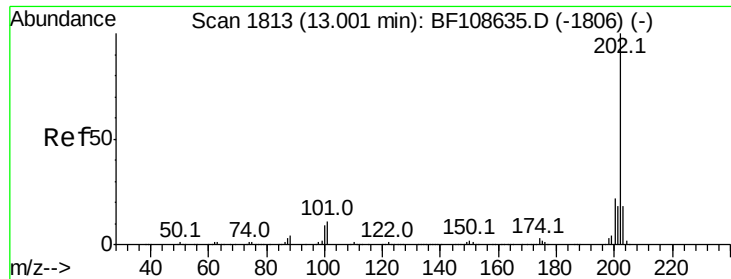


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.239 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108652.D

Acq: 30 Aug 2018 20:45

Instrument :

BNA_F

ClientSampleId :

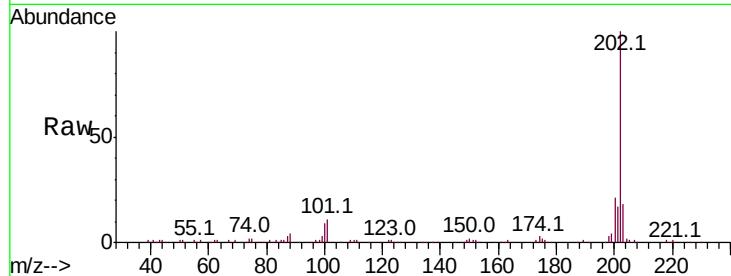
Tot Ion:202 Resp: 168442

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

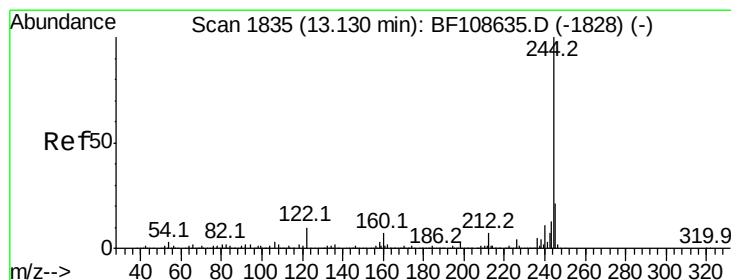
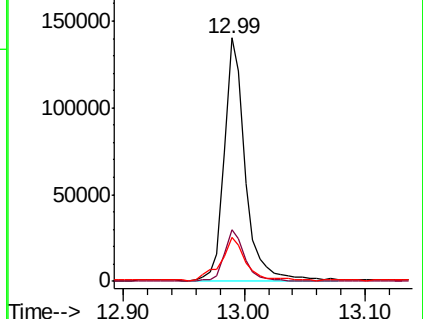
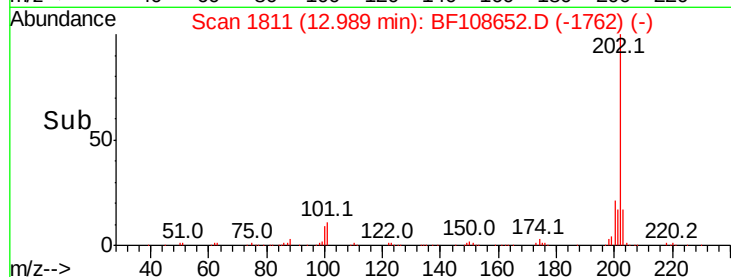
203 17.9 14.3 21.5



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: 7.740 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108652.D

Acq: 30 Aug 2018 20:45

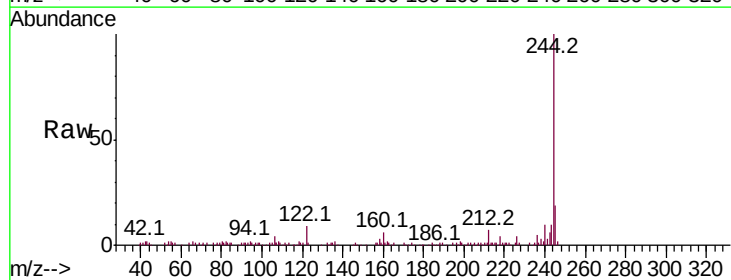
Tgt Ion:244 Resp: 96616

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

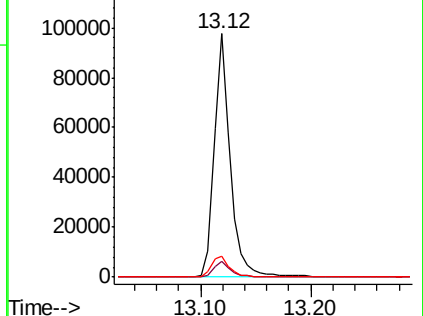
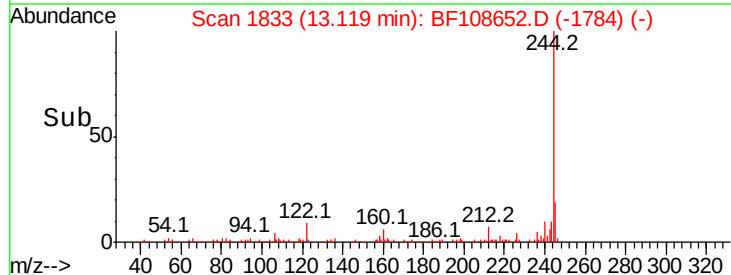
122 8.5 11.0 16.4#

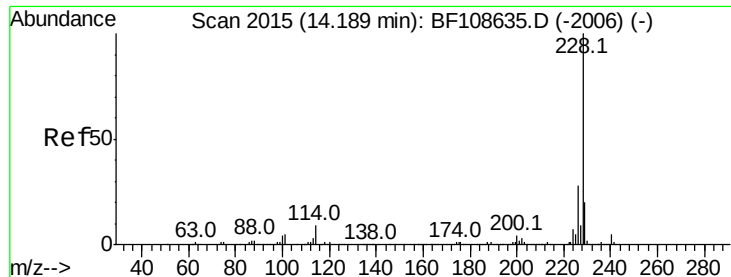


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

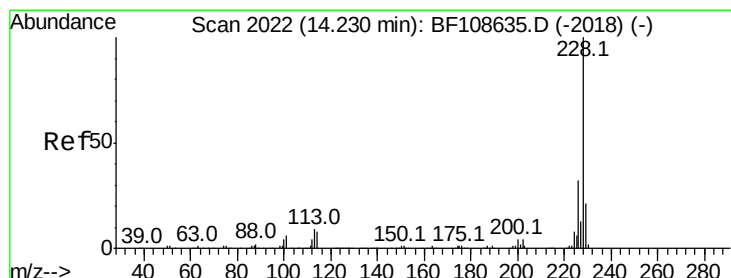
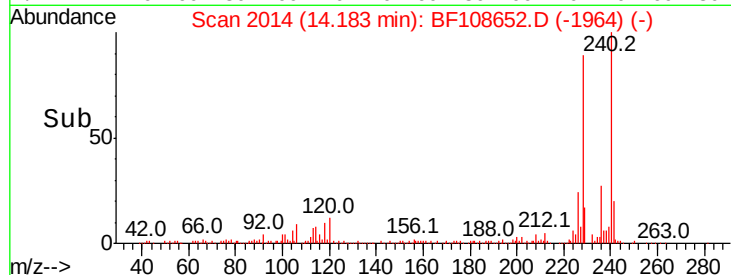
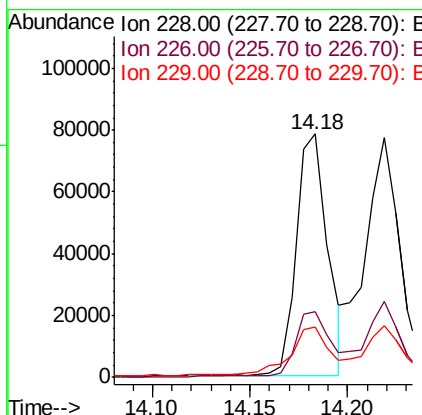
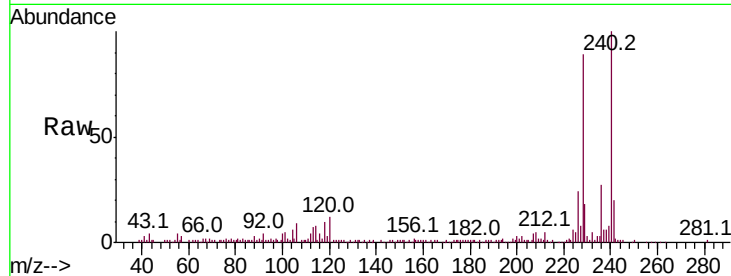




#80
Benzo(a)anthracene
Concen: 5.930 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

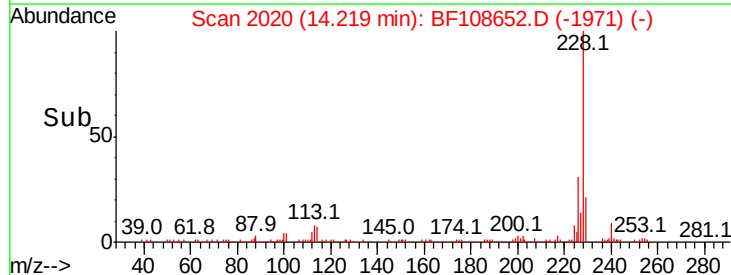
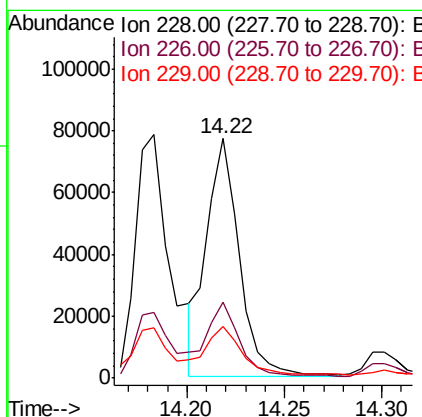
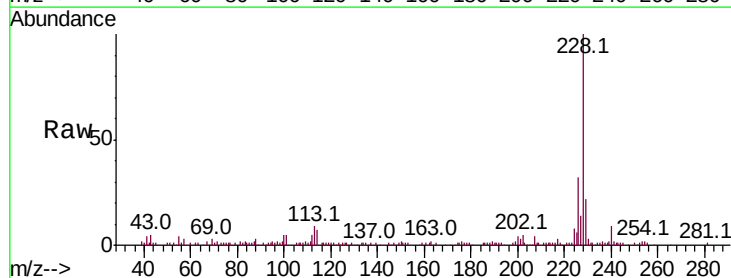
Instrument :
BNA_F
ClientSampled :

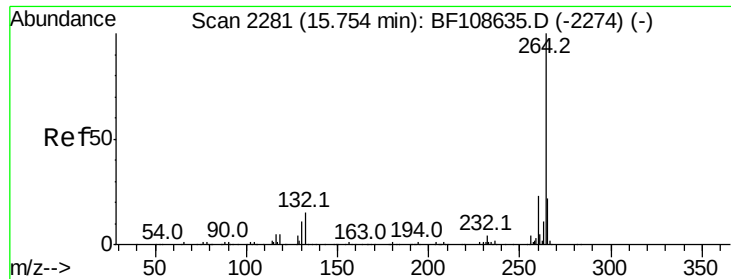
Tot Ion:228 Resp: 87677
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 20.5 15.8 23.6



#82
Chrysene
Concen: 6.363 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion:228 Resp: 90481
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 21.7 16.2 24.4

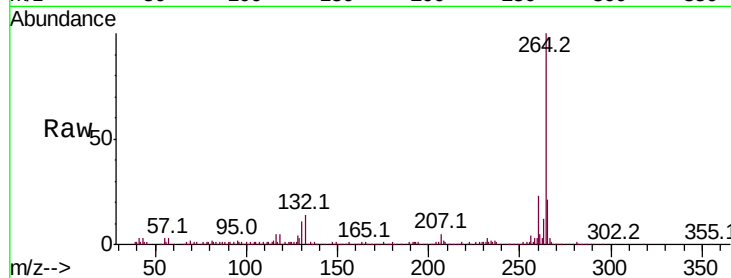




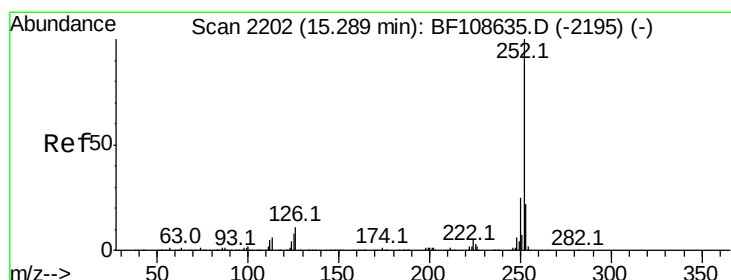
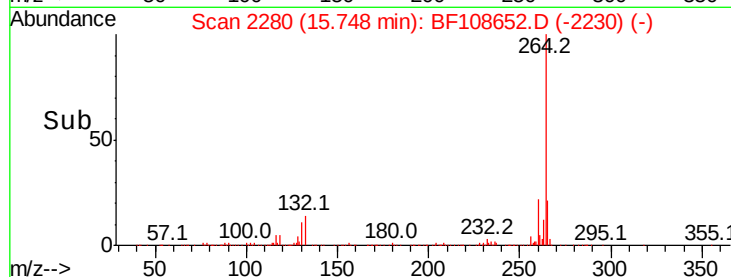
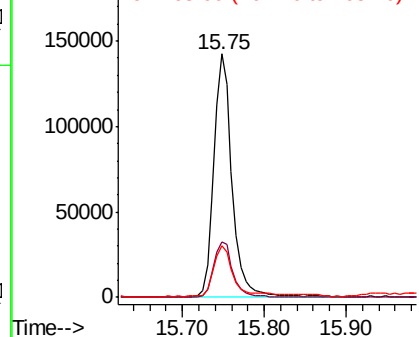
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.4	17.5	26.3

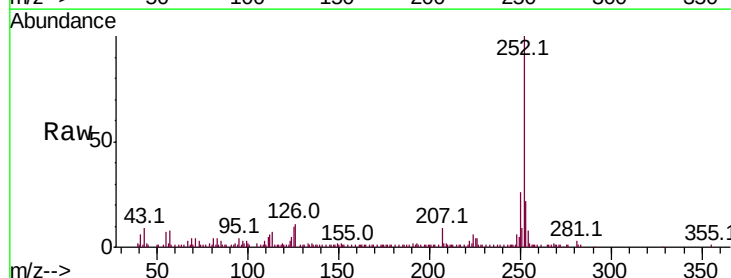


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

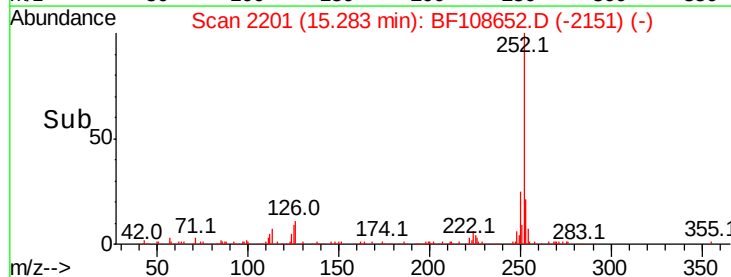
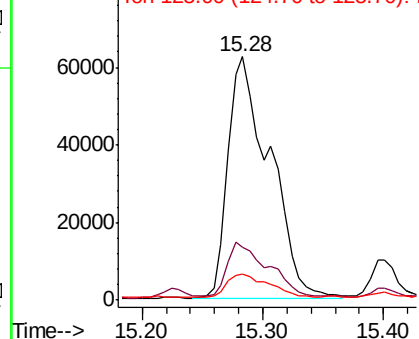


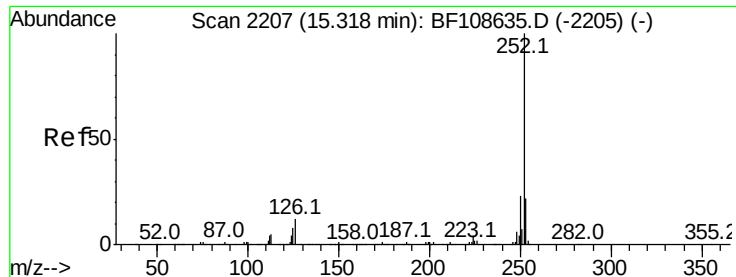
#87
Benzo(b)fluoranthene
Concen: 10.955 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	10.5	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

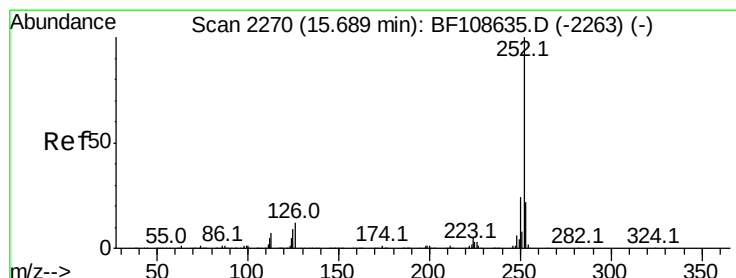
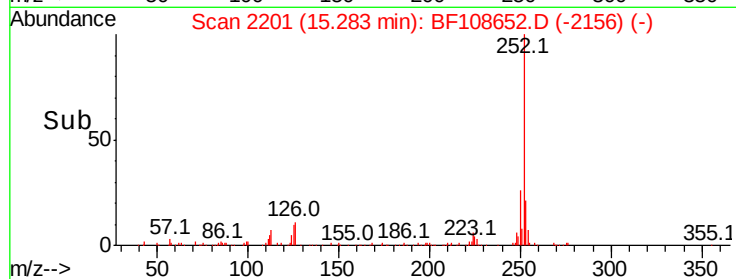
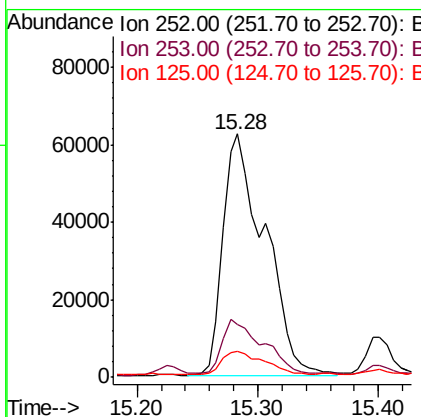
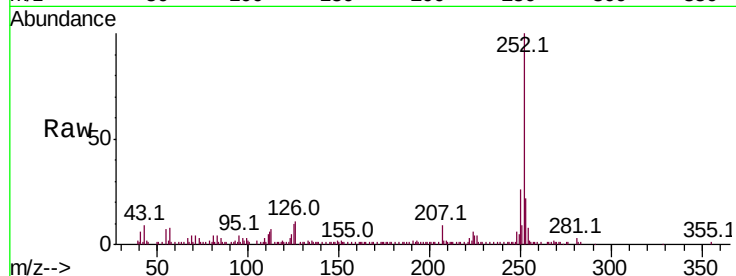




#88
Benzo(k)fluoranthene
Concen: 11.058 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

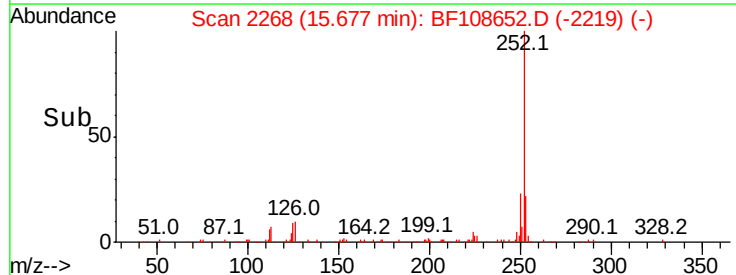
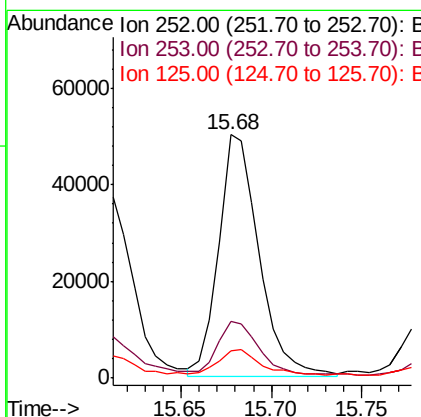
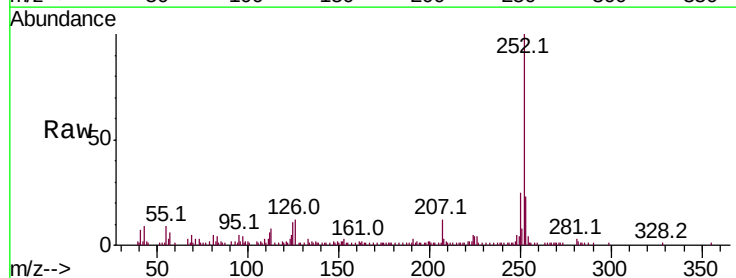
Instrument :
BNA_F
ClientSampleId :

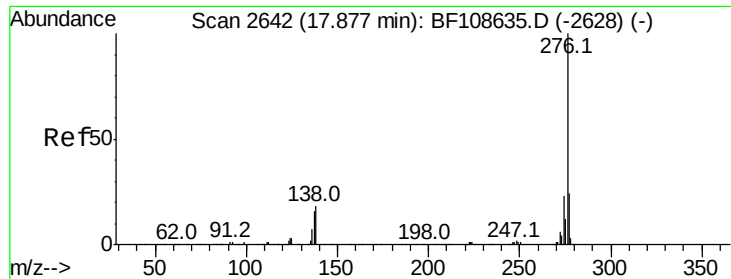
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	10.5	10.2	15.2



#89
Benzo(a)pyrene
Concen: 6.291 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	11.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.854 ng
 RT: 17.86 min Scan# 2639
 Delta R.T. -0.02 min
 Lab File: BF108652.D
 Acq: 30 Aug 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	17.9	26.9
138	17.2	21.8	32.8

