

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\
 Data File : BF112602.D
 Acq On : 18 Feb 2019 15:46
 Operator : JU/SJ
 Sample : K1518-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 18 16:23:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	77340	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	304910	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	148422	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	272248	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	190520	20.00	ng	-0.01
87) Perylene-d12	15.47	264	174991	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	409521	112.47	ng	-0.02
7) Phenol-d6	6.47	99	518994	102.58	ng	-0.02
23) Nitrobenzene-d5	7.39	82	327422	61.87	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	164062	94.97	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	620454	59.12	ng	-0.02
79) Terphenyl-d14	12.93	244	563188	55.68	ng	-0.02

Target Compounds

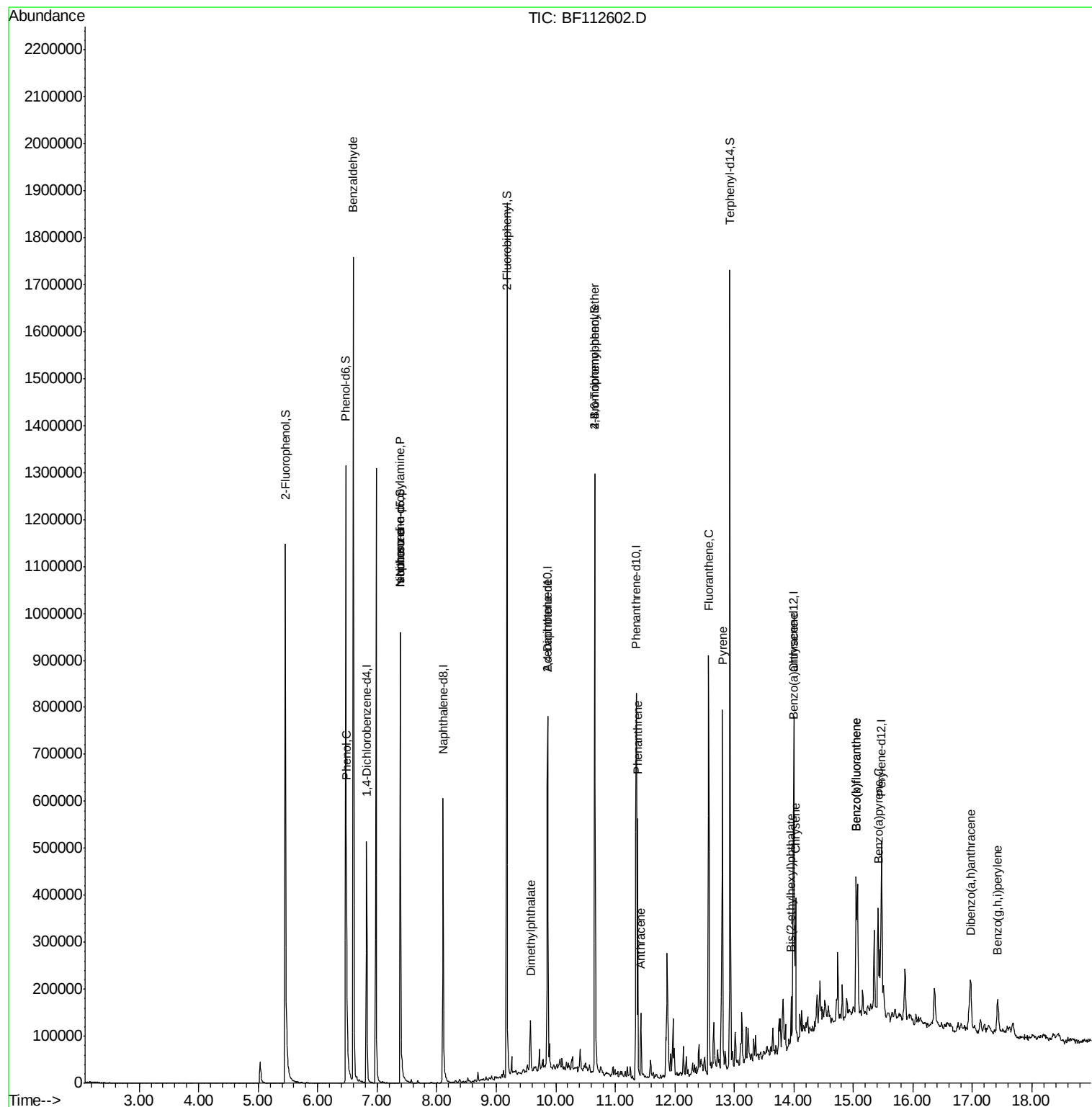
						Qvalue
9) Benzaldehyde	6.60	77	10769	4.072	ng	83
10) Phenol	6.49	94	14873	2.679	ng	# 80
19) n-Nitroso-di-n-propylamine	7.39	70	44129	12.649	ng	# 77
25) Isophorone	7.39	82	327420	39.440	ng	# 63
50) Dimethylphthalate	9.57	163	41739	3.620	ng	100
57) 2,4-Dinitrotoluene	9.86	165	20586	6.261	ng	# 33
67) 4-Bromophenyl-phenylether	10.66	248	9637	3.010	ng	# 1
71) Phenanthrene	11.37	178	200343	14.155	ng	96
72) Anthracene	11.43	178	59885	4.247	ng	99
75) Fluoranthene	12.57	202	324501	21.376	ng	97
78) Pyrene	12.80	202	299084	22.674	ng	97
81) Benzo(a)anthracene	13.99	228	138162	12.336	ng	98
83) Chrysene	14.03	228	126148	11.800	ng	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	26327	2.906	ng	95
88) Benzo(b)fluoranthene	15.04	252	204482	19.539	ng	99
89) Benzo(k)fluoranthene	15.04	252	204482	20.399	ng	99
90) Benzo(a)pyrene	15.42	252	110157	11.698	ng	100
91) Dibenzo(a,h)anthracene	16.96	278	17708	2.333	ng	# 81
92) Benzo(a,h,i)perylene	17.42	276	60625	8.467	ng	95

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

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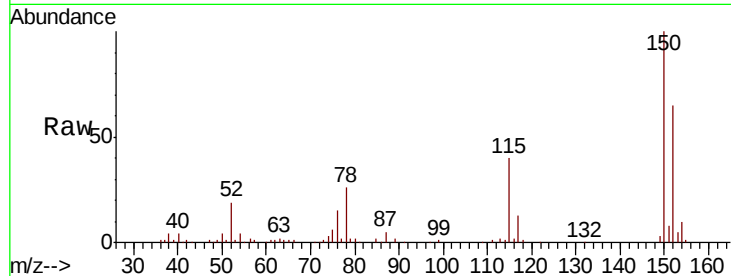


#1

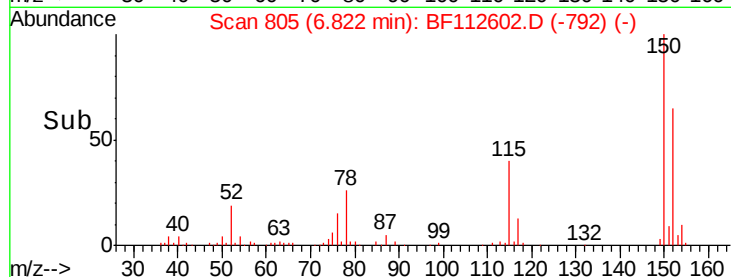
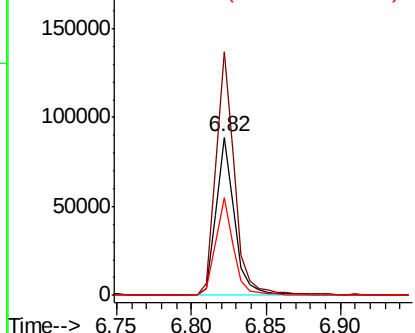
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77340
Ion Ratio Lower Upper
152 100
150 154.1 127.4 191.0
115 61.6 45.5 68.3



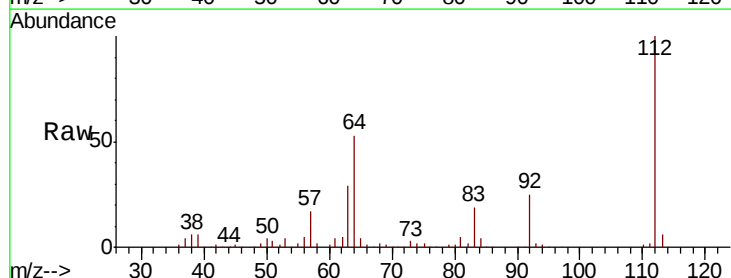
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



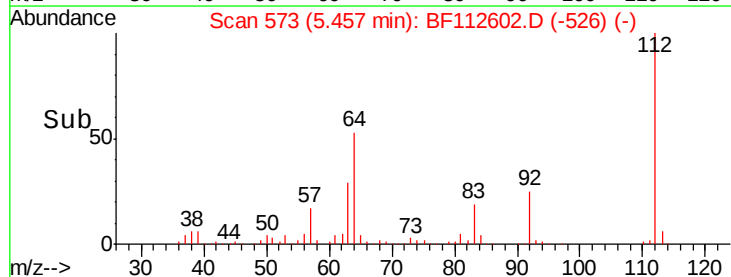
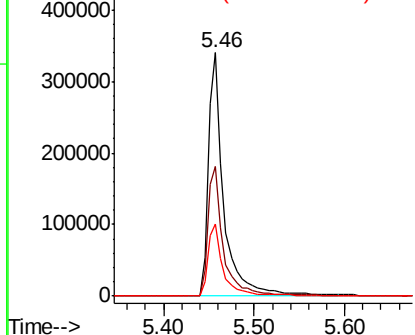
#5

2-Fluorophenol
Concen: 112.471 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Tgt Ion:112 Resp: 409521
Ion Ratio Lower Upper
112 100
64 53.4 45.7 68.5
63 29.4 23.6 35.4



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: 102.577 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

Instrument :

BNA_F

ClientSampleId :

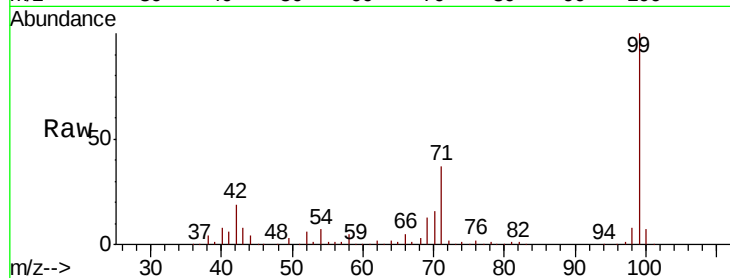
Tot Ion: 99 Resp: 518994

Ion Ratio Lower Upper

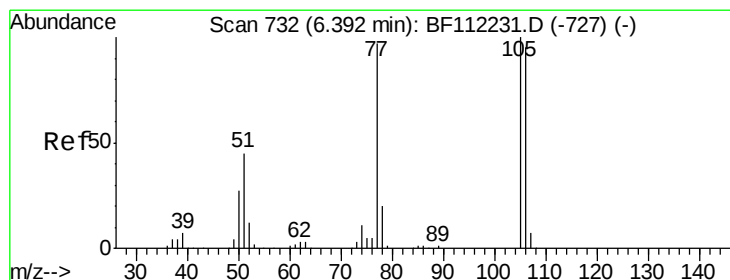
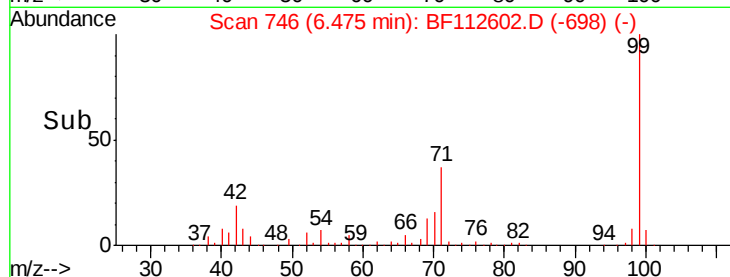
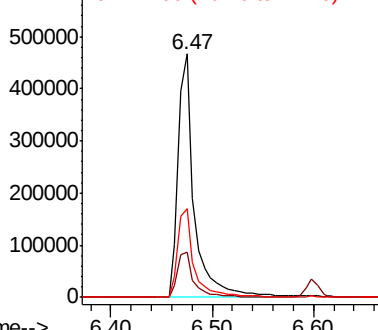
99 100

42 18.5 15.1 22.7

71 36.6 26.9 40.3



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



#9

Benzaldehyde

Concen: 4.072 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

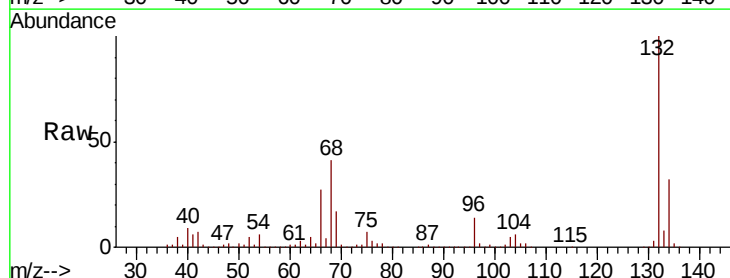
Tgt Ion: 77 Resp: 10769

Ion Ratio Lower Upper

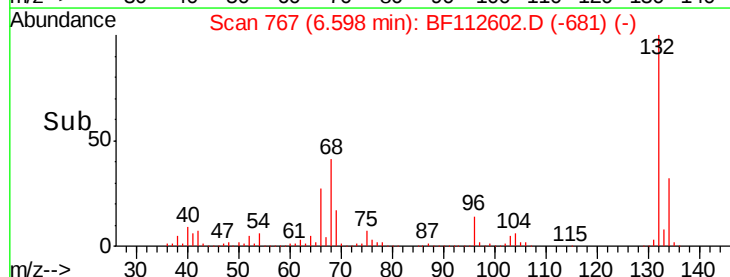
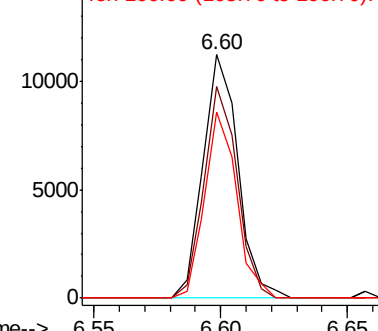
77 100

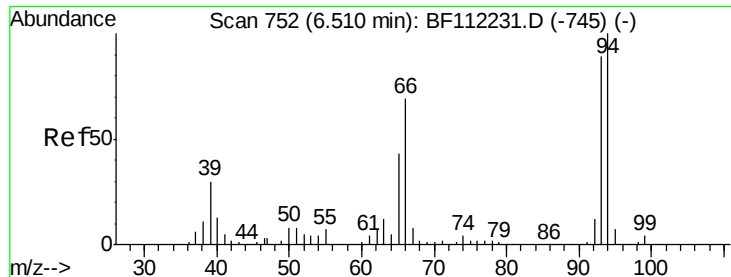
105 86.7 80.8 120.8

106 76.2 75.7 115.7



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

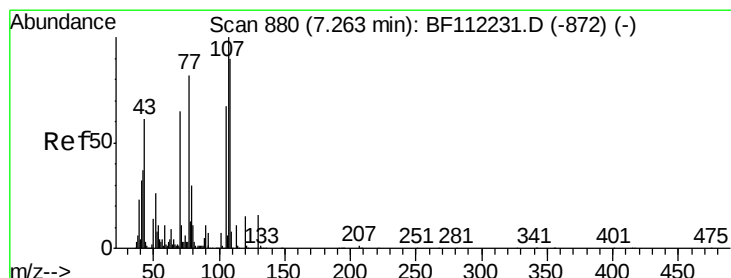
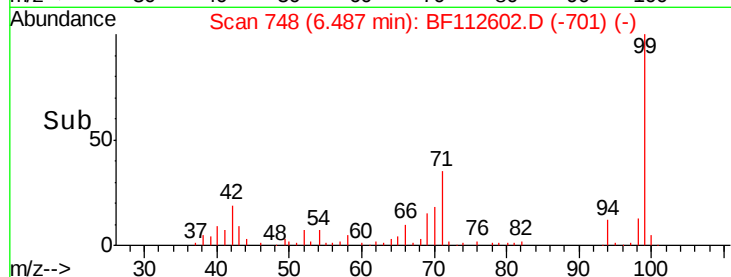
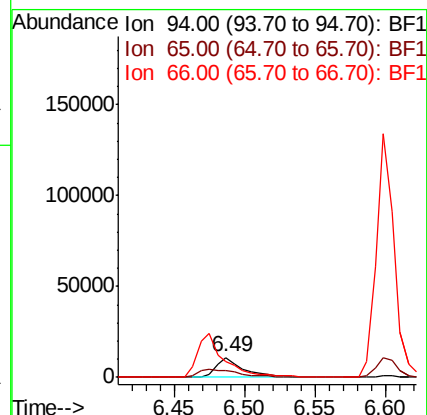
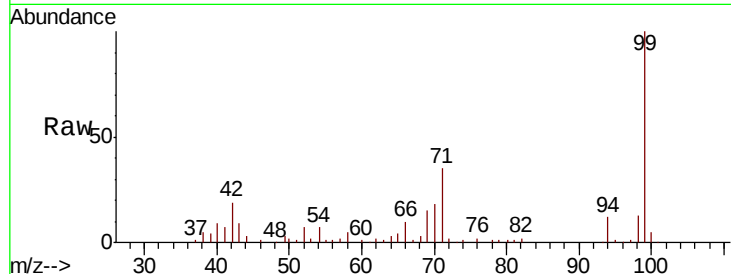




#10
Phenol
Concen: 2.679 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.02 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

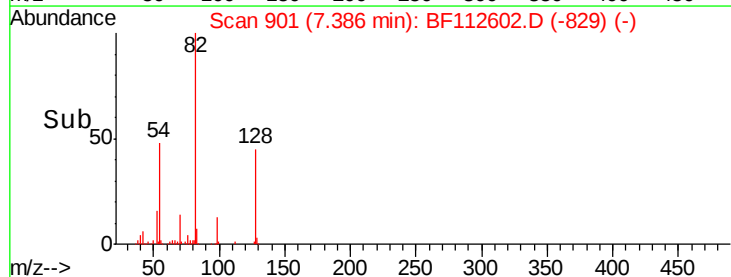
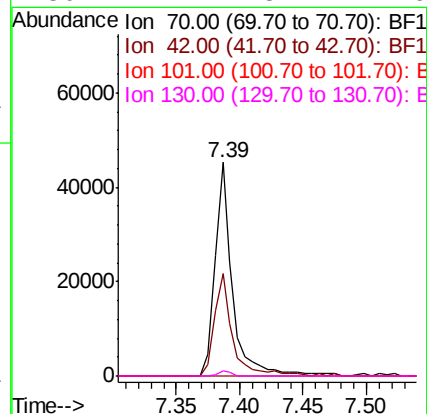
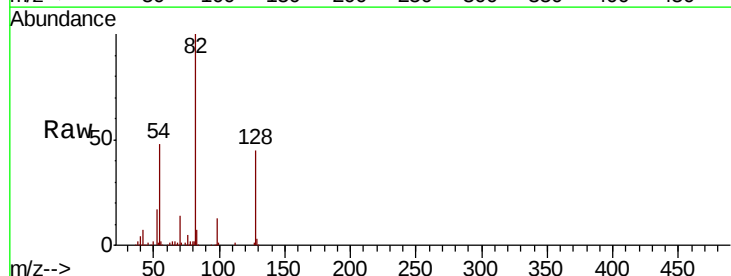
Instrument :
BNA_F
ClientSampleId :

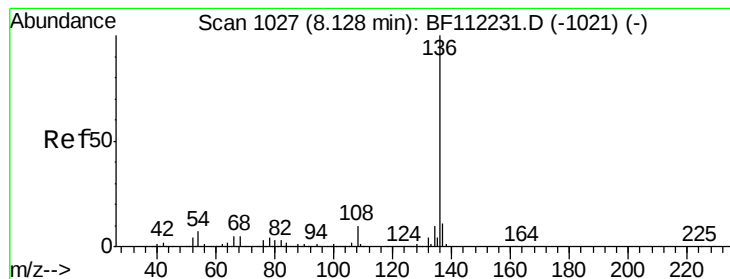
Tot Ion: 94 Resp: 14873
Ion Ratio Lower Upper
94 100
65 34.4 20.3 60.3
66 83.3 42.4 82.4#



#19
n-Nitroso-di-n-propylamine
Concen: 12.649 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.12 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Tgt Ion: 70 Resp: 44129
Ion Ratio Lower Upper
70 100
42 47.9 47.6 71.4
101 0.0 7.9 11.9#
130 2.2 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 304910

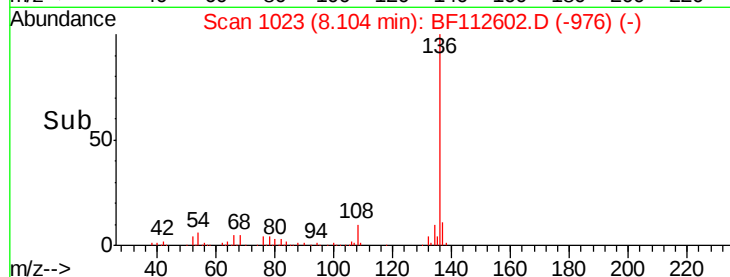
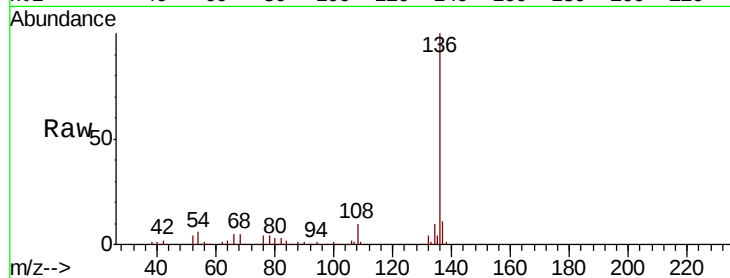
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 6.2 5.9 8.9

68 4.8 5.1 7.7#

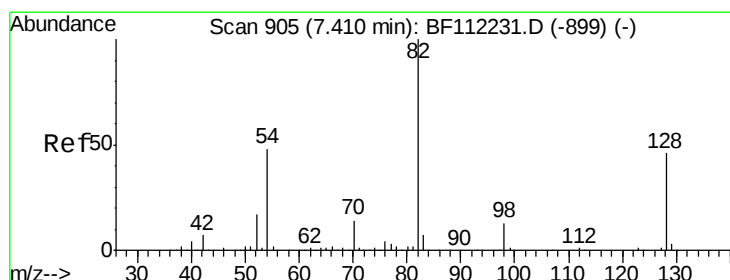
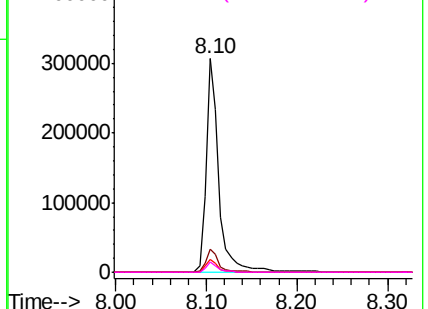


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.874 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

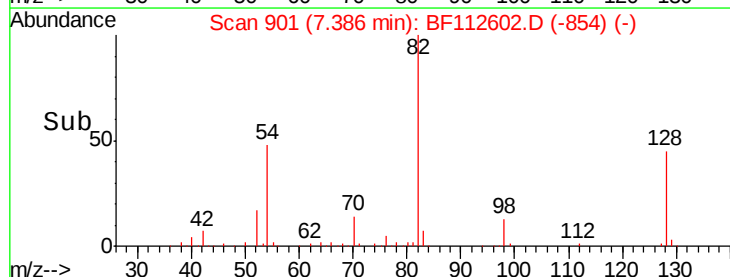
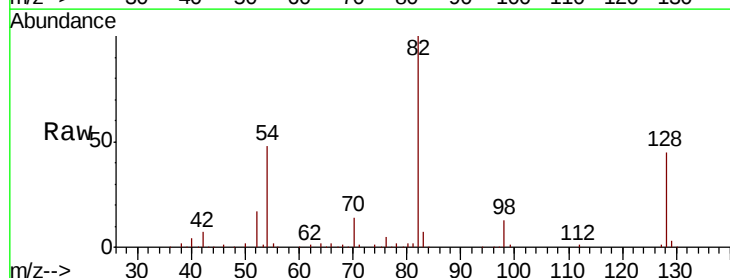
Tgt Ion: 82 Resp: 327422

Ion Ratio Lower Upper

82 100

128 44.7 37.8 56.8

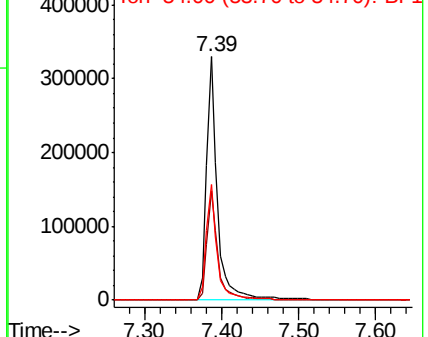
54 47.7 39.7 59.5

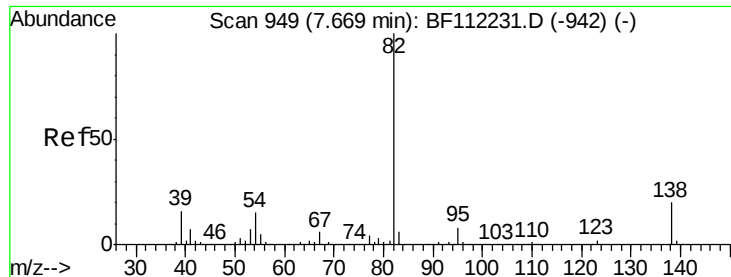


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.440 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

Instrument :

BNA_F

ClientSampleId :

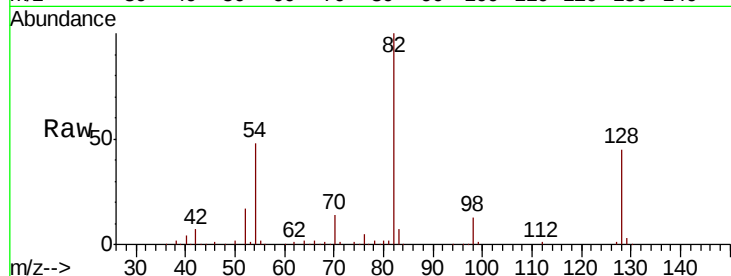
Tot Ion: 82 Resp: 327420

Ion Ratio Lower Upper

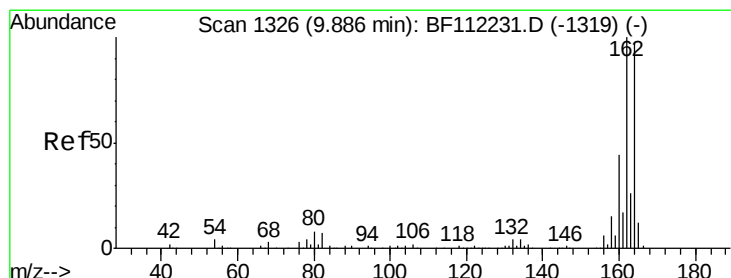
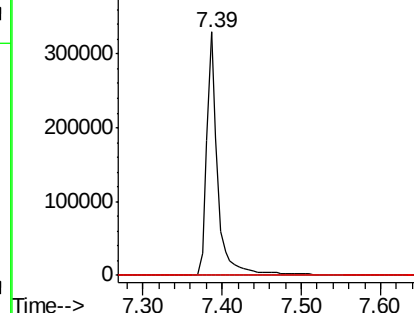
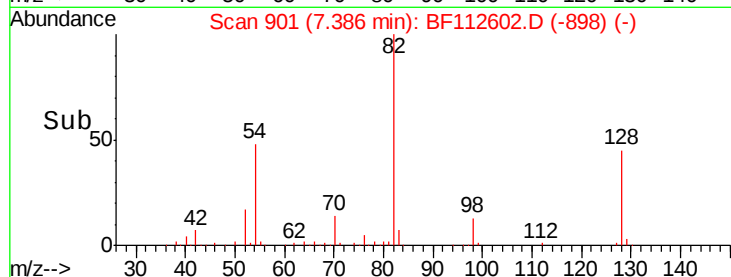
82 100

95 0.0 5.7 8.5#

138 0.0 15.4 23.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

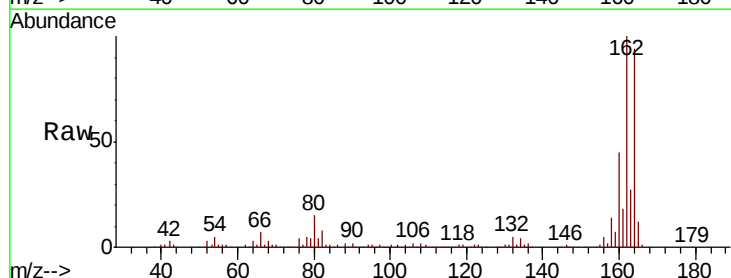
Tgt Ion:164 Resp: 148422

Ion Ratio Lower Upper

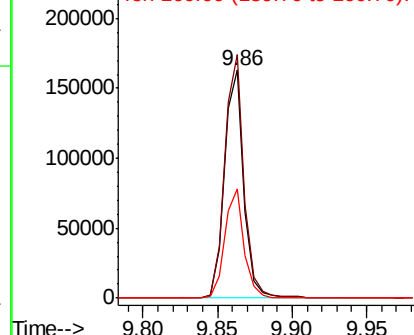
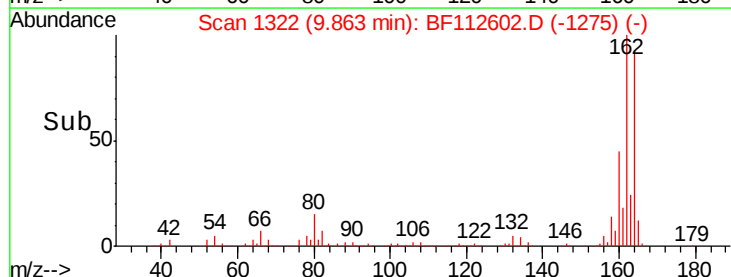
164 100

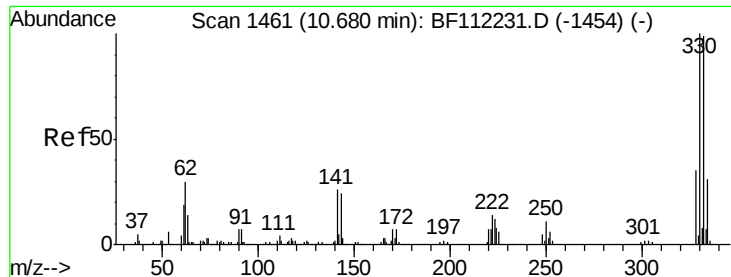
162 106.8 82.2 123.4

160 48.0 36.2 54.4



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

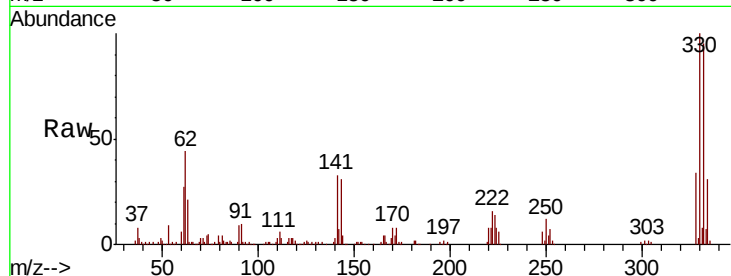




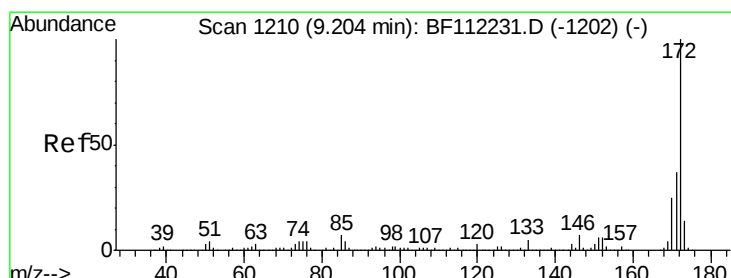
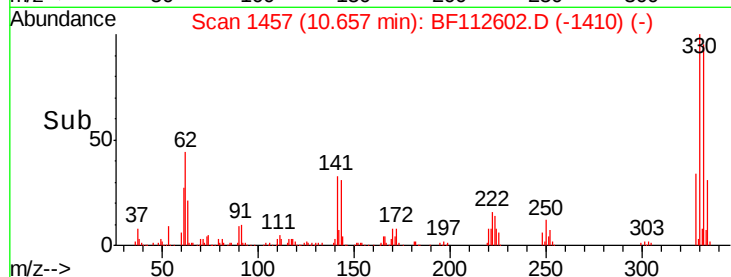
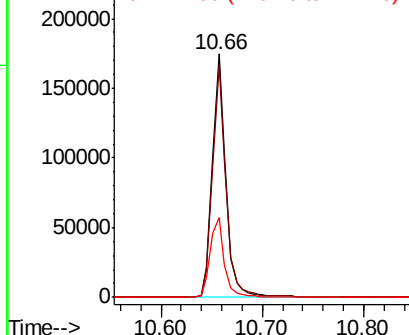
#42
 2,4,6-Tribromophenol
 Concen: 94.966 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF112602.D
 Acq: 18 Feb 2019 15:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	114.8
141	34.9	24.3	36.5

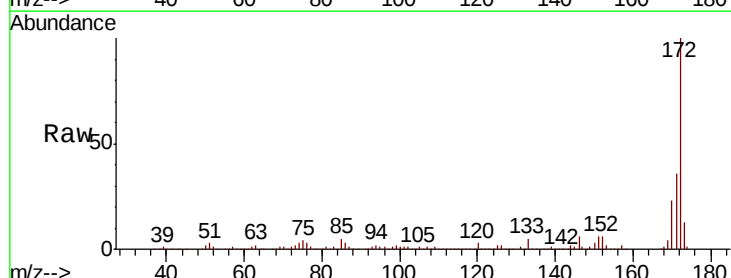


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

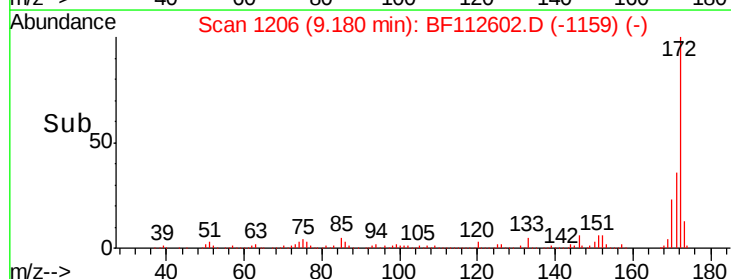
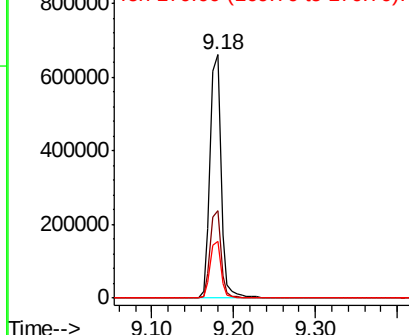


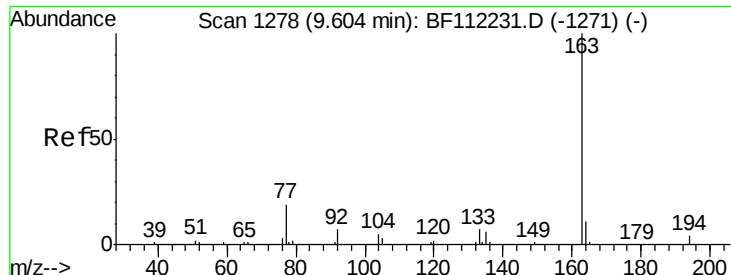
#45
 2-Fluorobiphenyl
 Concen: 59.124 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF112602.D
 Acq: 18 Feb 2019 15:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.5	45.7
170	23.4	20.2	30.4



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

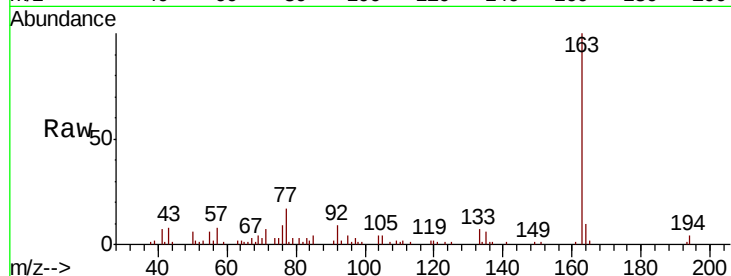




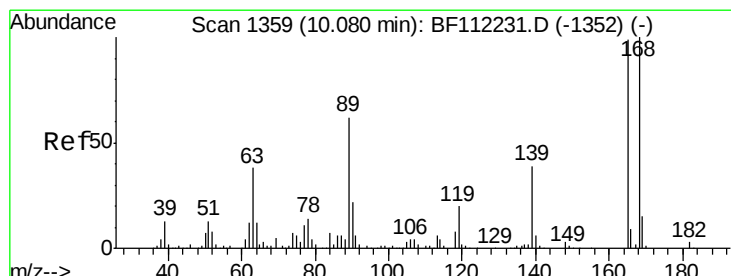
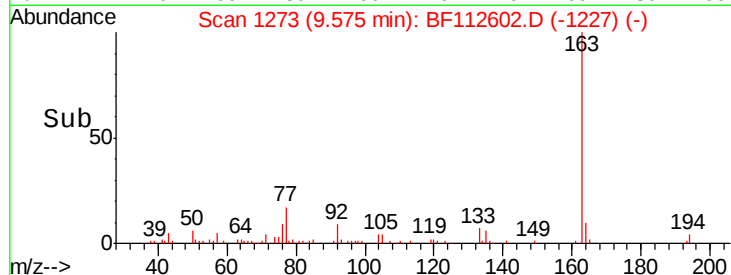
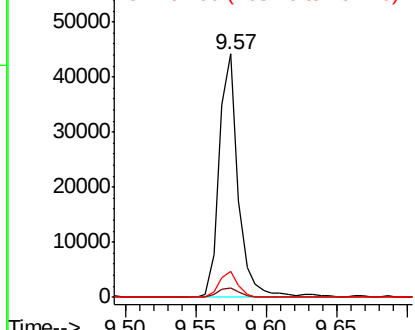
#50
Dimethylphthalate
Concen: 3.620 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 41739
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.5 8.5 12.7

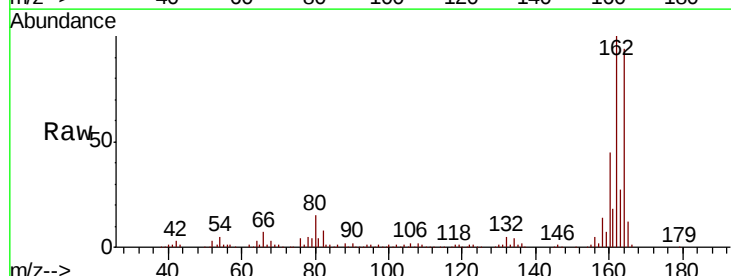


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

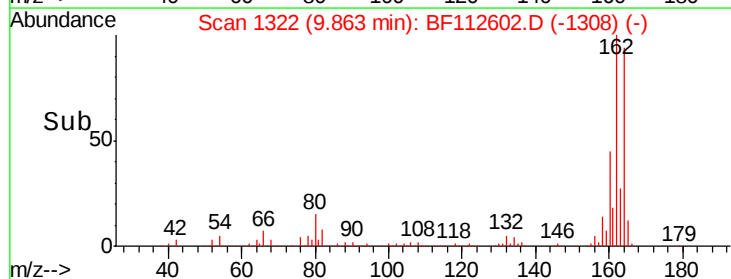
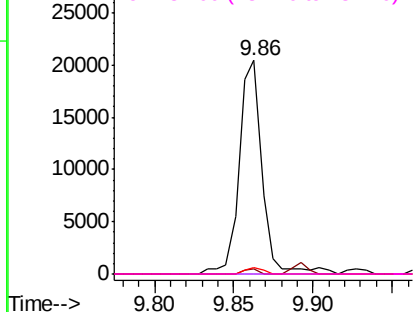


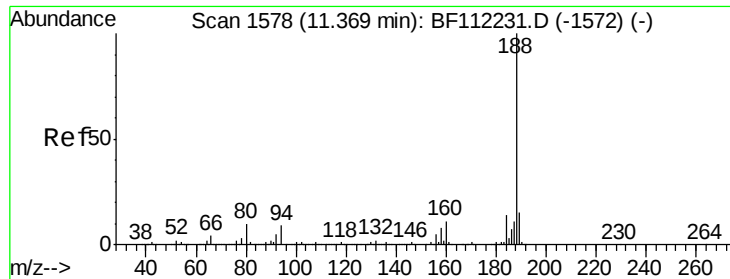
#57
2,4-Dinitrotoluene
Concen: 6.261 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.22 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Tgt Ion:165 Resp: 20586
Ion Ratio Lower Upper
165 100
63 2.3 27.9 41.9#
89 3.0 47.9 71.9#
182 0.0 2.2 3.4#



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

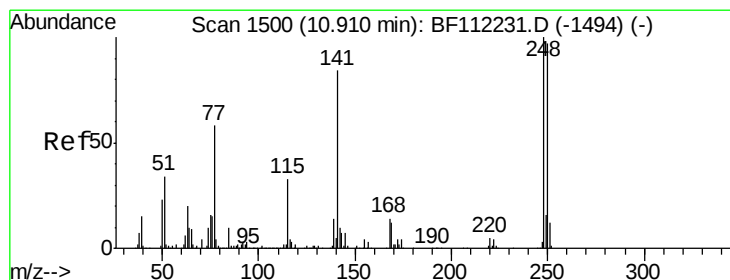
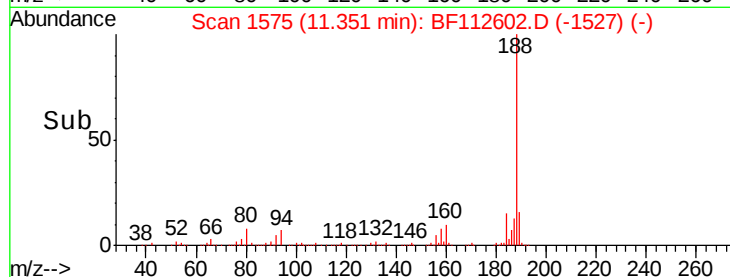
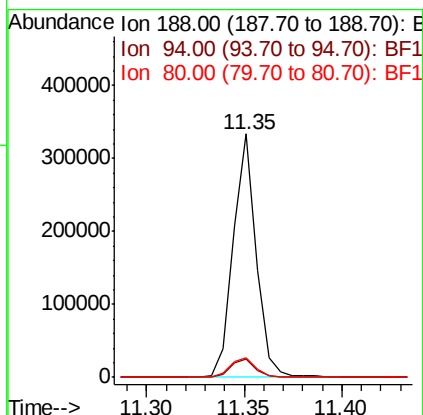
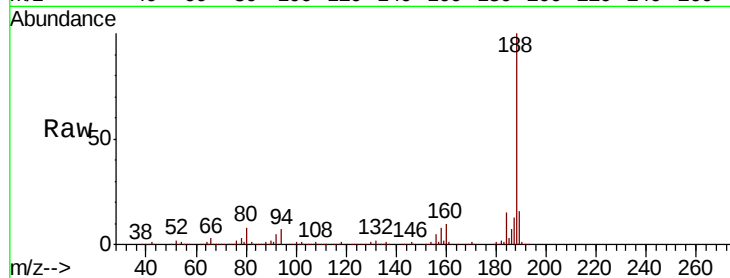




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

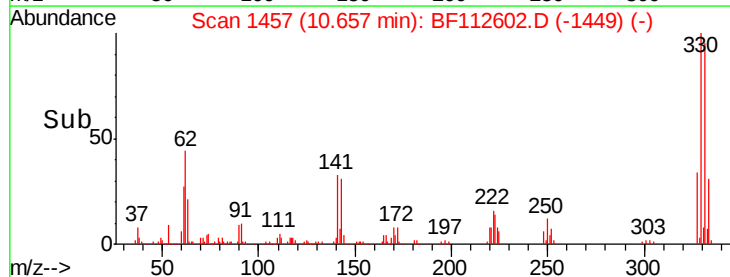
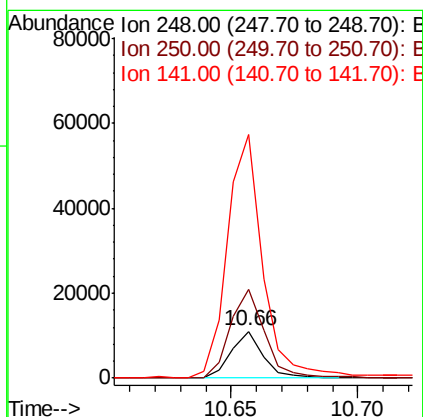
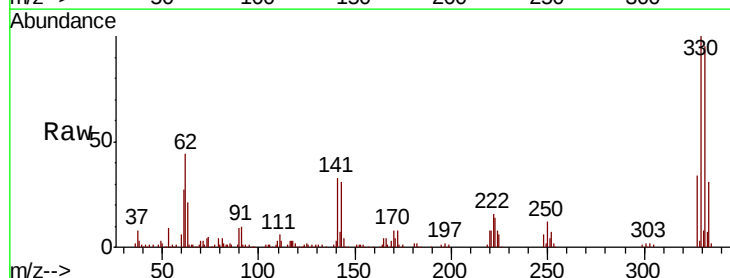
Instrument :
BNA_F
ClientSampleId :

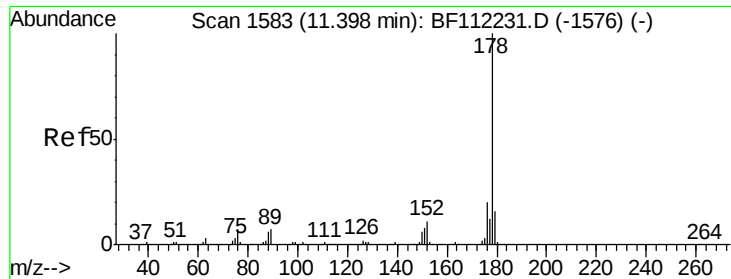
Tot Ion:188 Resp: 272248
Ion Ratio Lower Upper
188 100
94 7.4 8.2 12.2#
80 8.1 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 3.010 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.25 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Tgt Ion:248 Resp: 9637
Ion Ratio Lower Upper
248 100
250 189.3 79.7 119.5#
141 518.6 60.3 90.5#

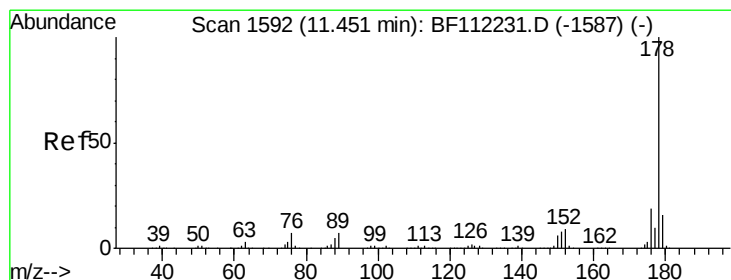
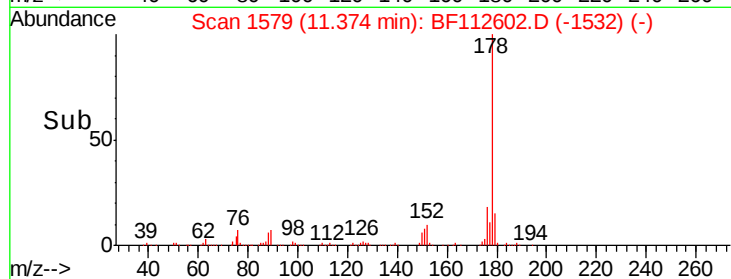
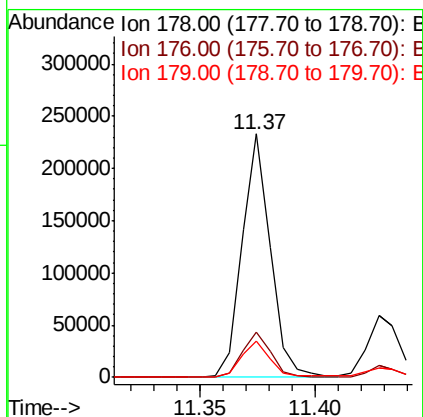
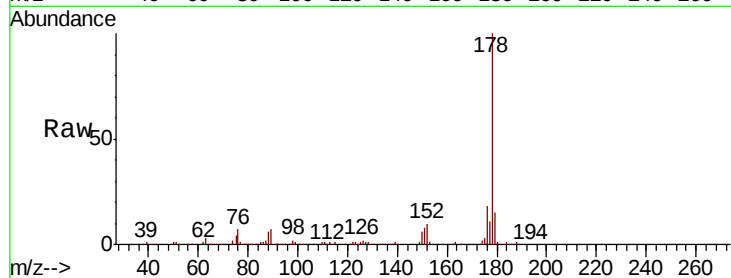




#71
Phenanthrene
Concen: 14.155 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

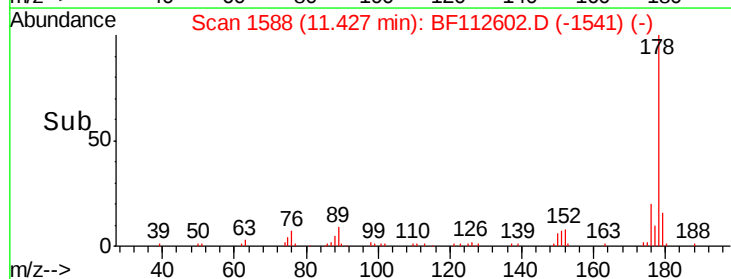
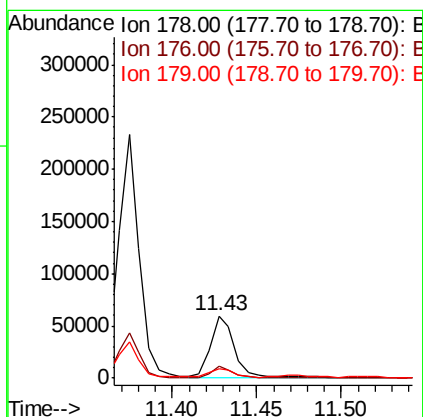
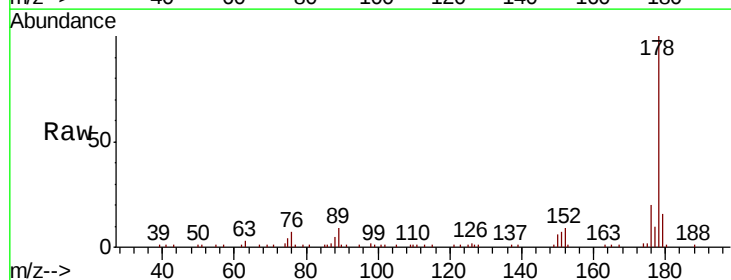
Instrument :
BNA_F
ClientSampleId :

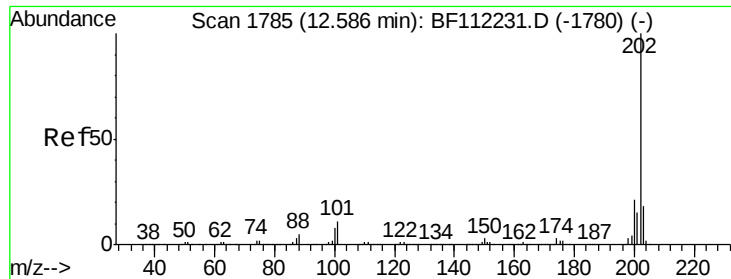
Tot Ion:178 Resp: 200343
Ion Ratio Lower Upper
178 100
176 18.4 16.3 24.5
179 14.7 13.0 19.4



#72
Anthracene
Concen: 4.247 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Tgt Ion:178 Resp: 59885
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 15.9 12.8 19.2





#75

Fluoranthene

Concen: 21.376 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF112602.D

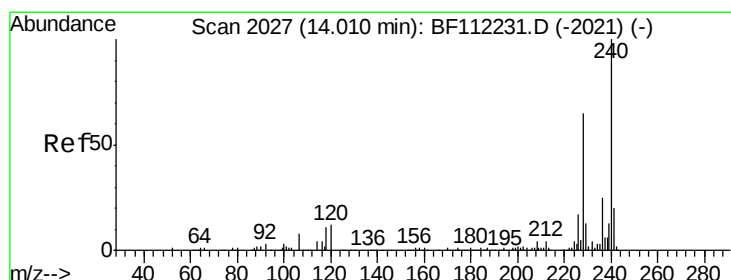
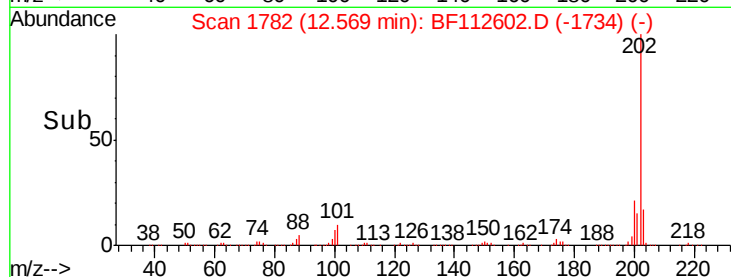
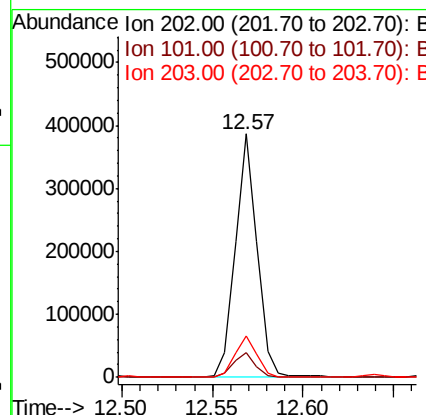
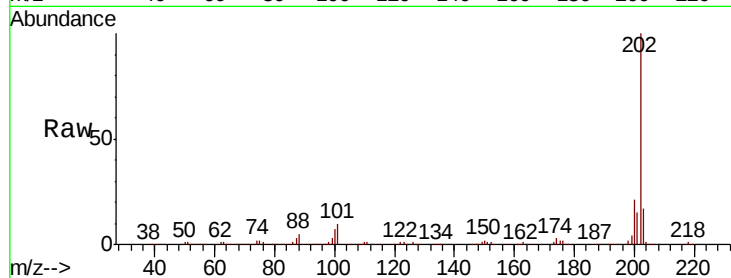
Acq: 18 Feb 2019 15:46

Instrument :

BNA_F

ClientSampled :

Tot Ion:	202	Resp:	324501
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.8
203	17.2	0.0	38.4



#76

Chrysene-d12

Concen: 20.000 ng

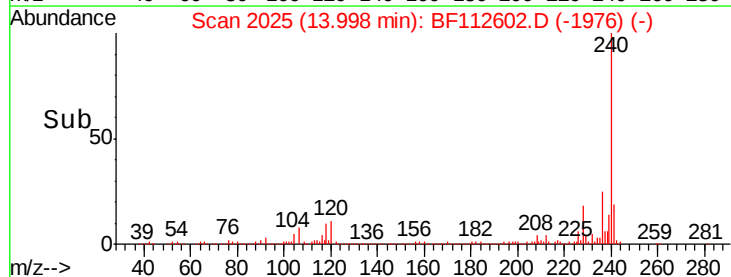
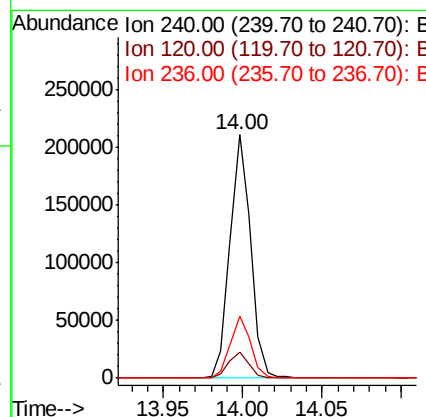
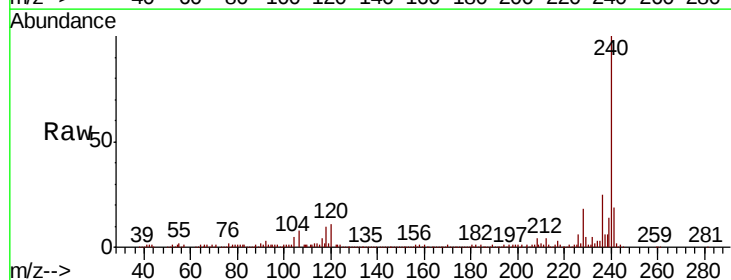
RT: 14.00 min Scan# 2025

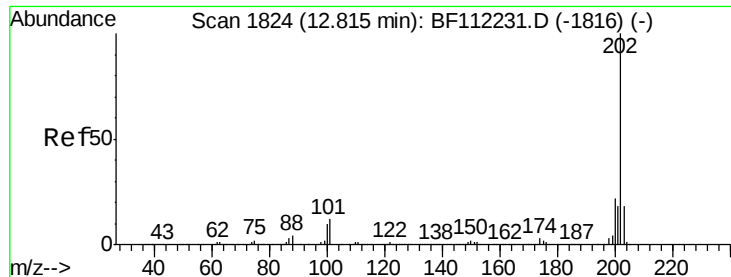
Delta R.T. -0.01 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

Tgt Ion:	240	Resp:	190520
Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.0	13.6
236	25.3	20.7	31.1





#78

Pvrene

Concen: 22.674 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.02 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

Instrument :

BNA_F

ClientSampleId :

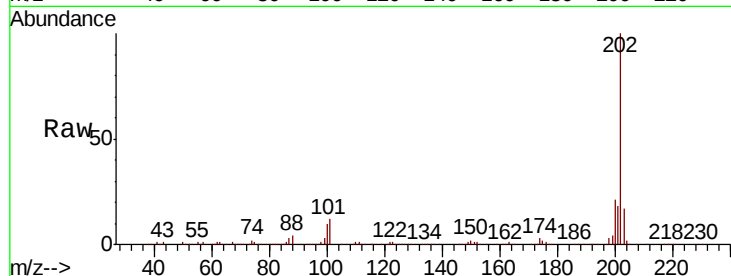
Tot Ion:202 Resp: 299084

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

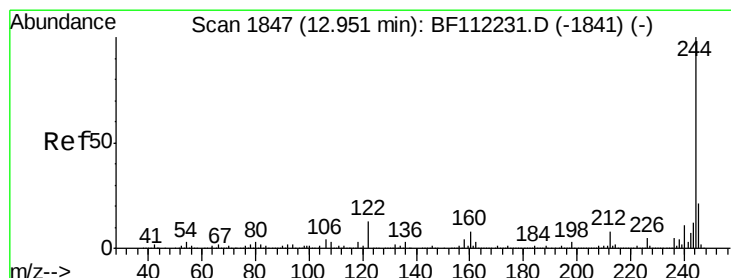
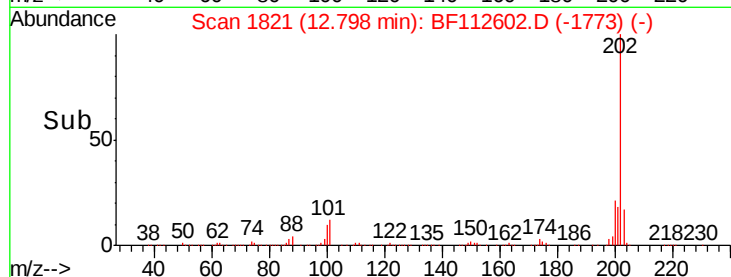
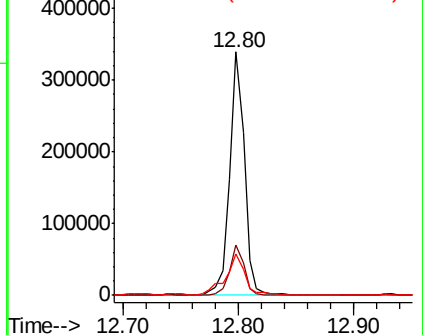
203 17.0 14.6 22.0



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



#79

Terphenyl-d14

Concen: 55.676 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

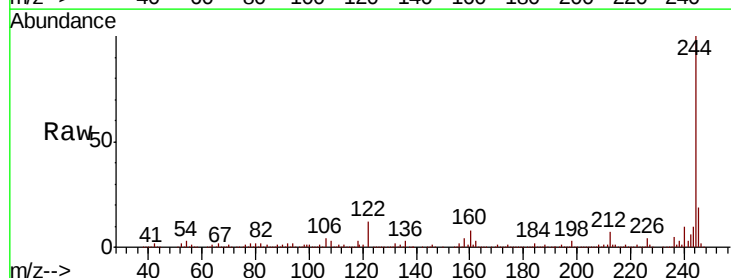
Tgt Ion:244 Resp: 563188

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

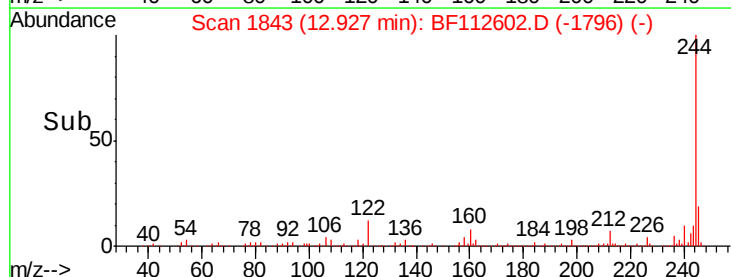
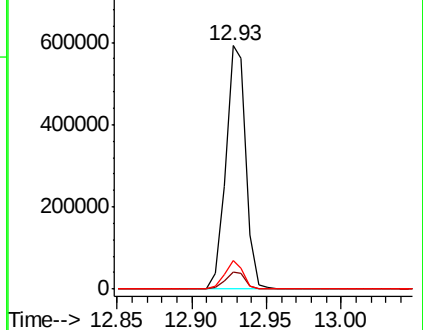
122 11.8 9.8 14.6

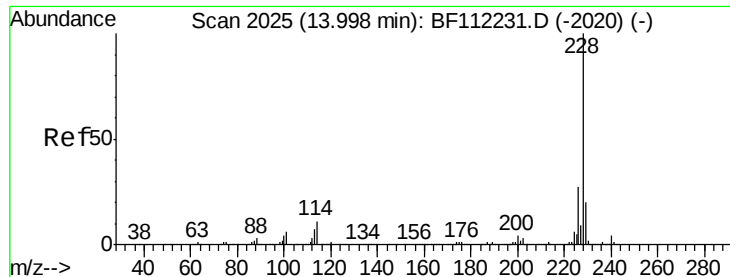


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

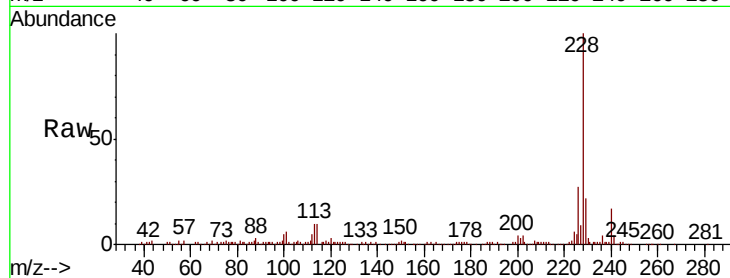




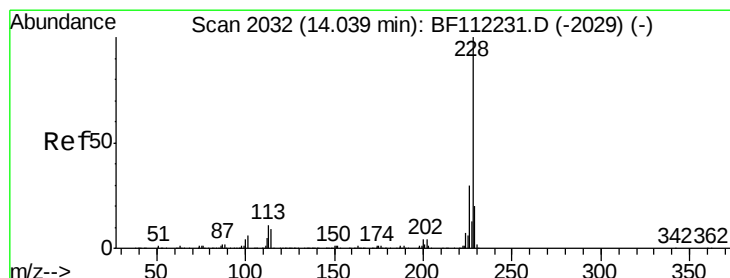
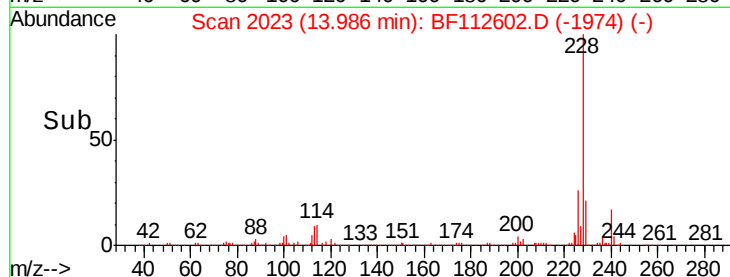
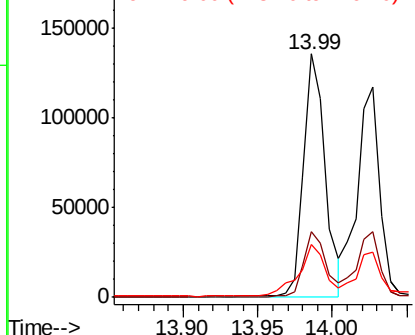
#81
Benzo(a)anthracene
Concen: 12.336 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 138162
Ion Ratio Lower Upper
228 100
226 27.0 22.6 34.0
229 21.7 16.5 24.7

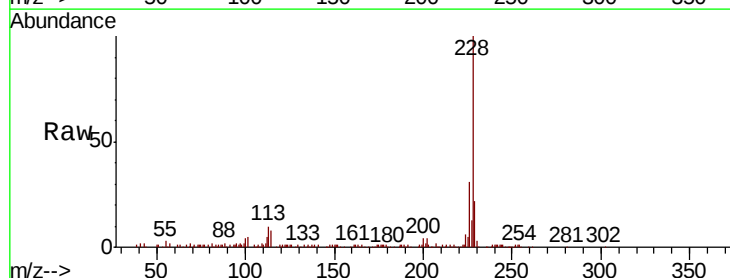


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

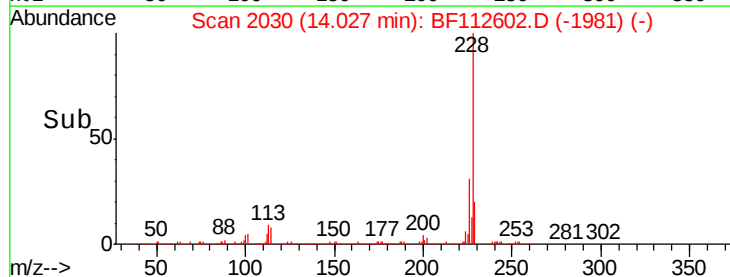
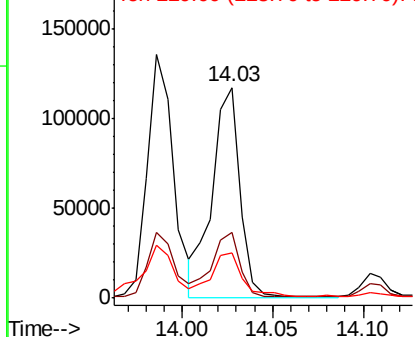


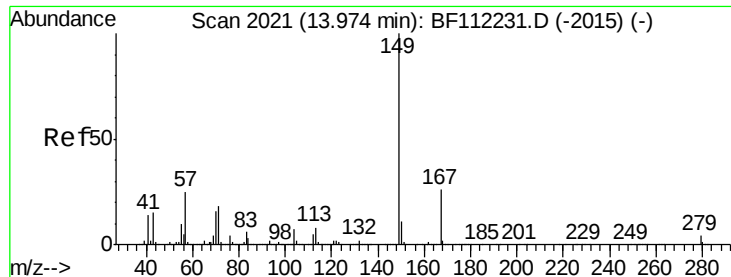
#83
Chrysene
Concen: 11.800 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Tgt Ion:228 Resp: 126148
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 21.6 16.6 24.8



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.906 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

Instrument :

BNA_F

ClientSampleId :

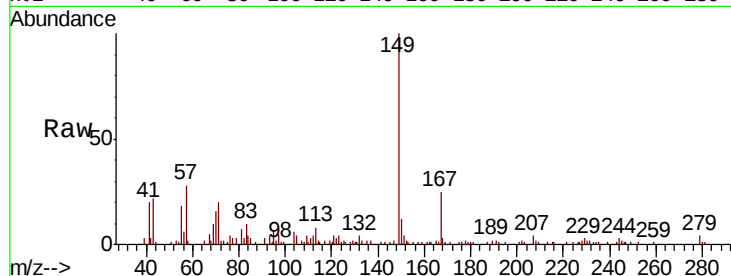
Tot Ion:149 Resp: 26327

Ion Ratio Lower Upper

149 100

167 25.0 22.5 33.7

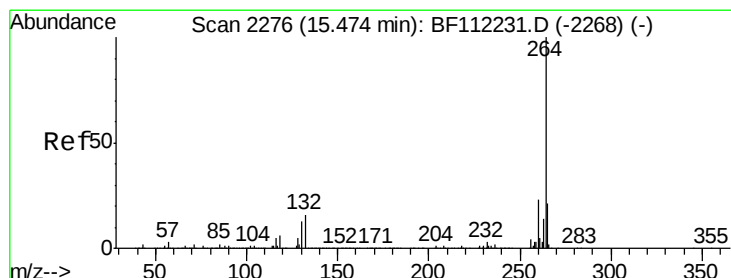
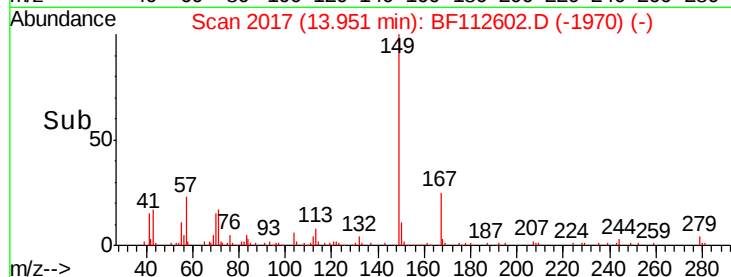
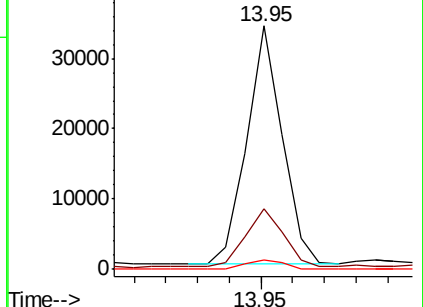
279 4.0 3.8 5.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112602.D

Acq: 18 Feb 2019 15:46

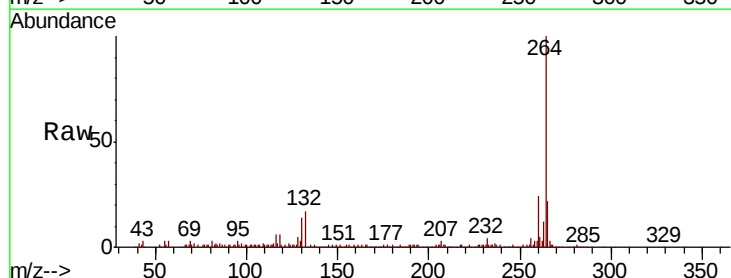
Tgt Ion:264 Resp: 174991

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.2

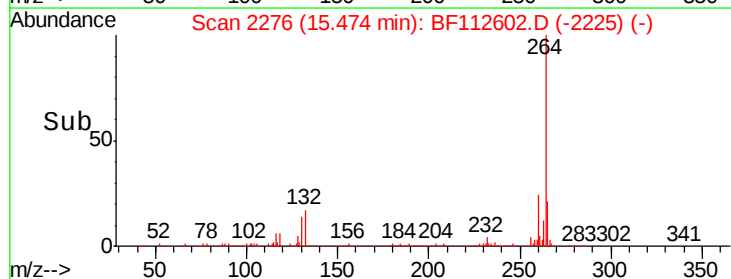
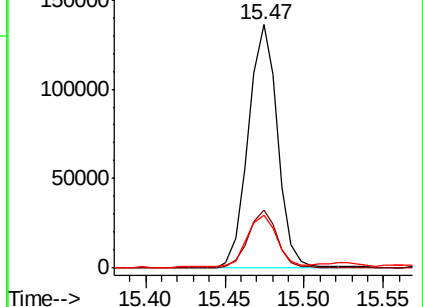
265 21.6 17.0 25.4

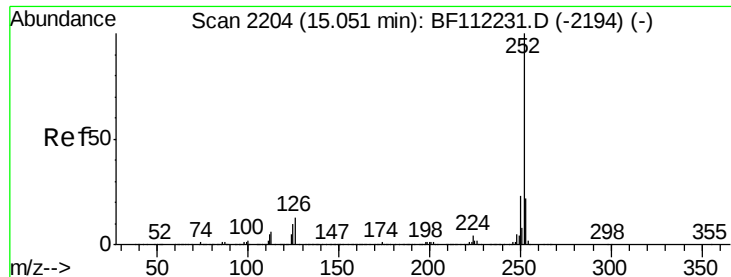


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

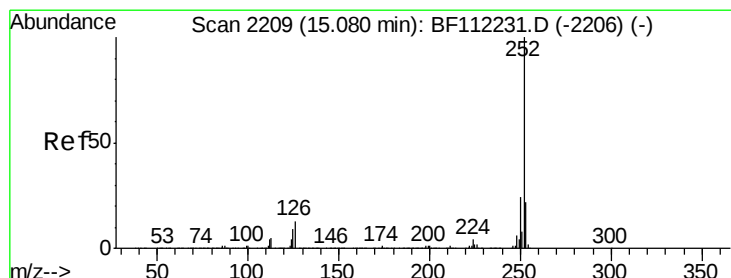
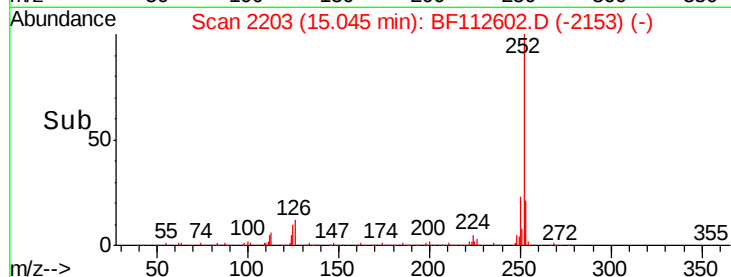
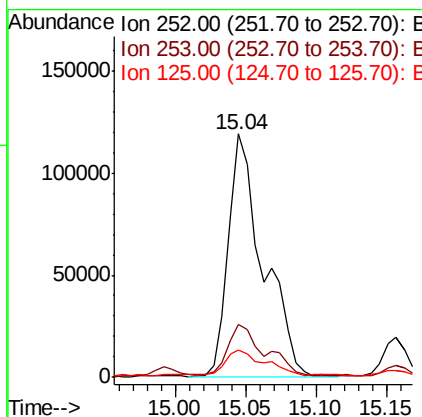
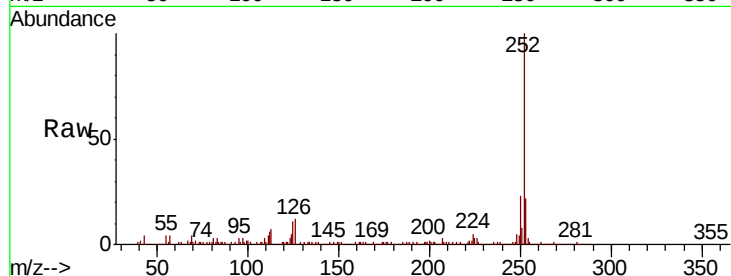




#88
Benzo(b)fluoranthene
Concen: 19.539 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

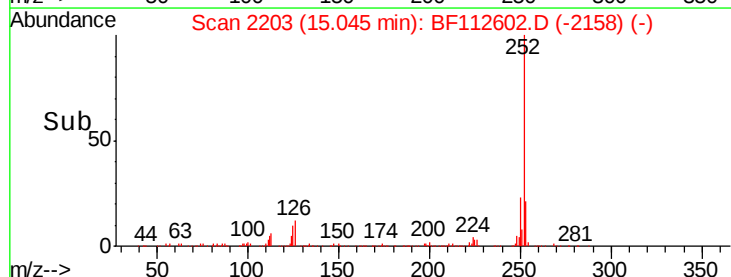
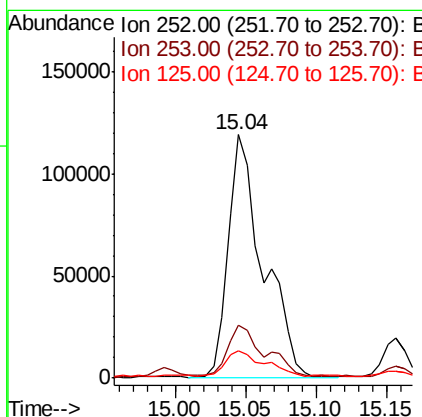
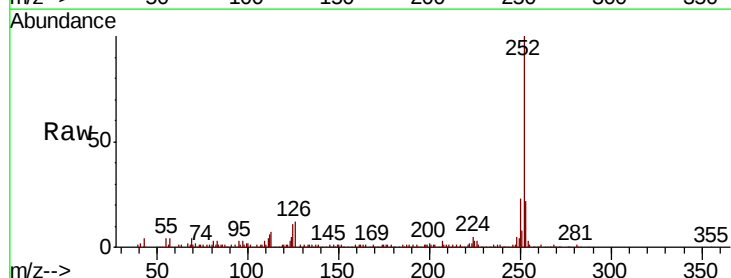
Instrument :
BNA_F
ClientSampleId :

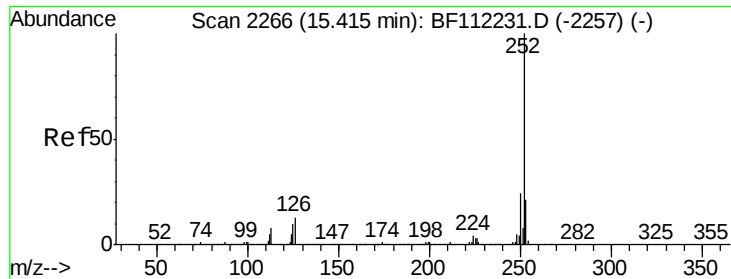
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	11.2	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 20.399 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	11.2	9.1	13.7

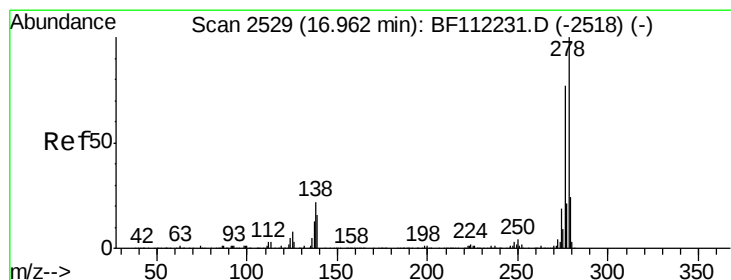
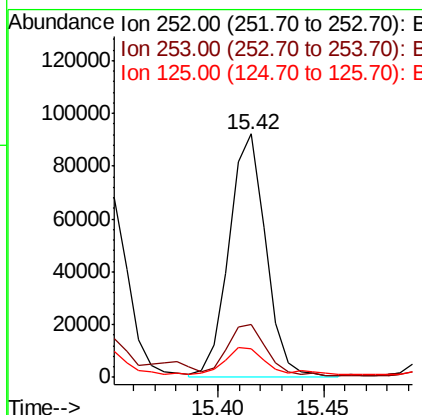
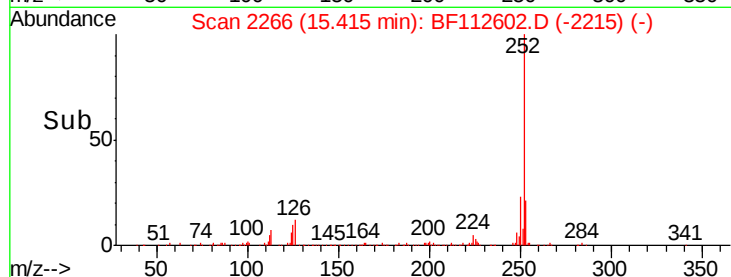
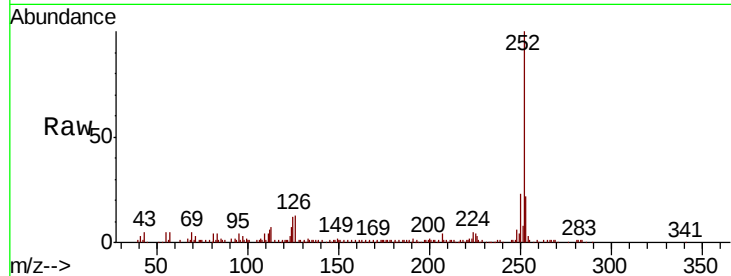




#90
Benzo(a)pyrene
Concen: 11.698 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

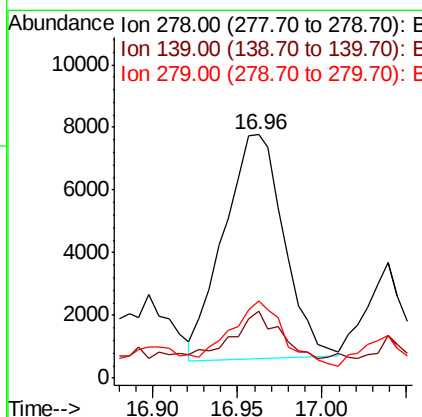
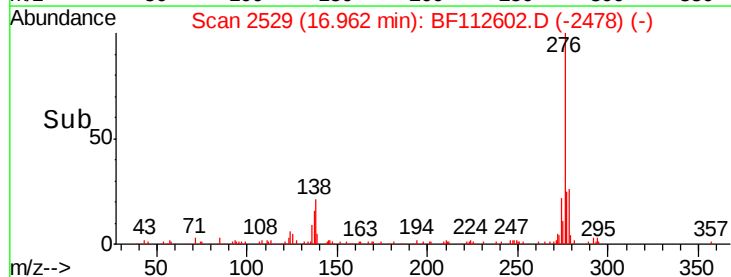
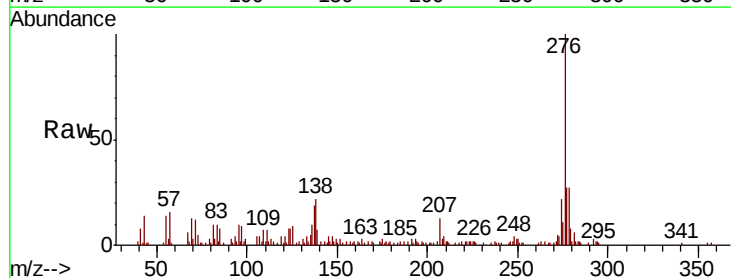
Instrument :
BNA_F
ClientSampleId :

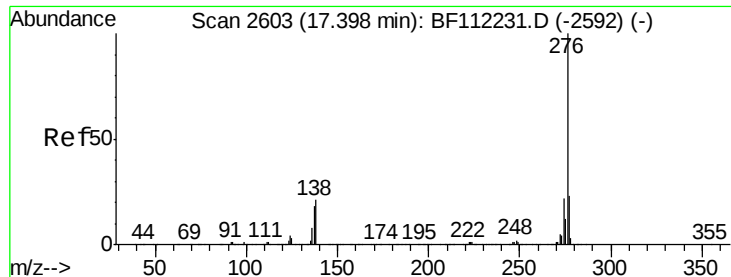
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	11.6	9.0	13.4



#91
Dibenzo(a,h)anthracene
Concen: 2.333 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BF112602.D
Acq: 18 Feb 2019 15:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.6	13.7	20.5#
279	31.5	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 8.467 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.02 min
 Lab File: BF112602.D
 Acq: 18 Feb 2019 15:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	26.2	19.4	29.0	
138	21.2	19.1	28.7	

