

Data File : BF118650.D
Acq On : 21 Jan 2020 23:37
Operator : CG/JU
Sample : L1210-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q012-WC1

Quant Time: Jan 22 04:22:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	402617	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1414738	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	718696	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1069014	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	909819	20.00	ng	-0.01
87) Perylene-d12	15.51	264	1003822	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1842592	85.00	ng	0.00
7) Phenol-d6	6.50	99	2340088	83.05	ng	-0.01
23) Nitrobenzene-d5	7.43	82	1495705	59.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	579763	69.74	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	2728531	62.40	ng	-0.01
79) Terphenyl-d14	12.98	244	2454815	58.85	ng	-0.01

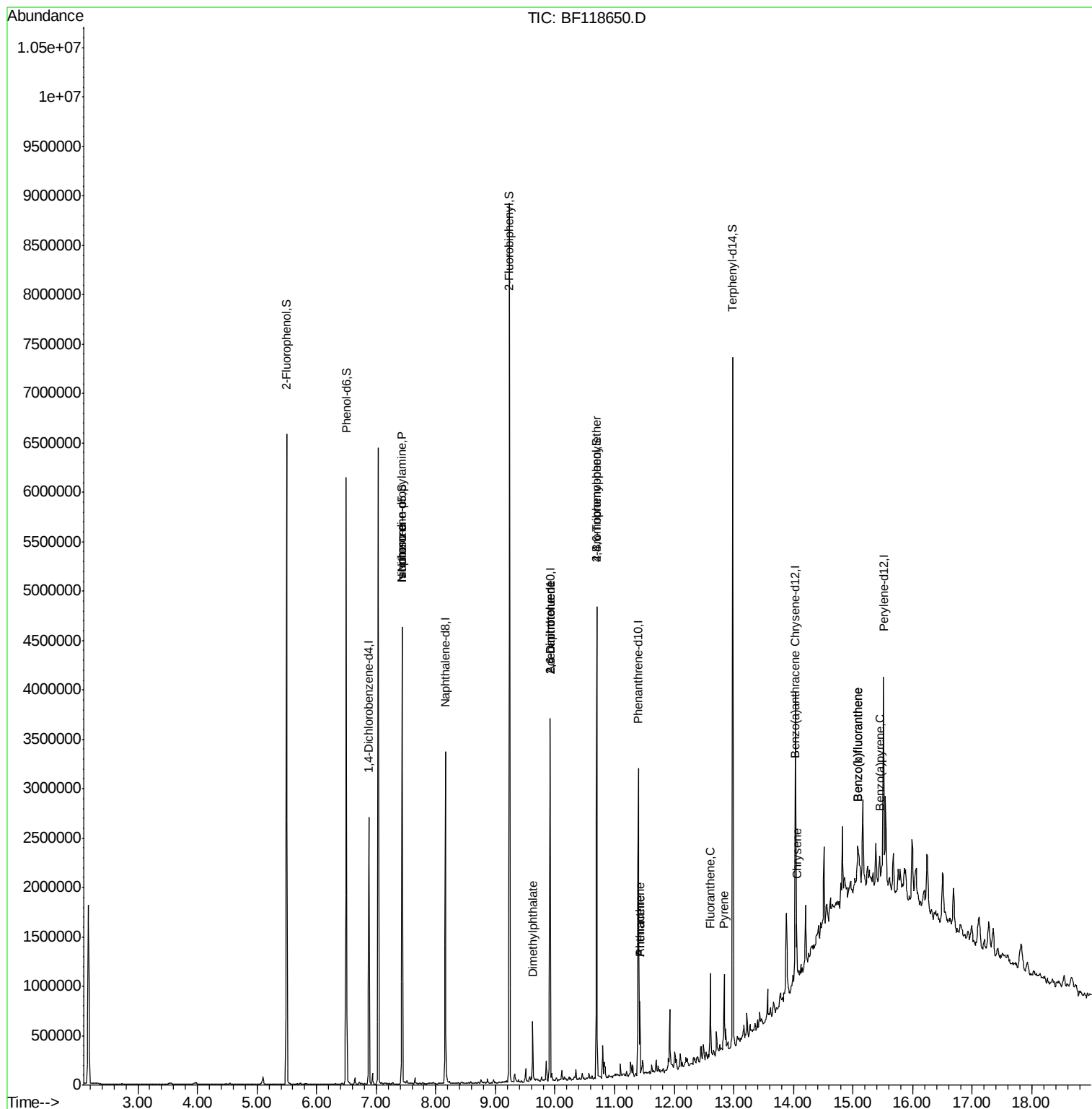
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.43	70	206356	10.847	ng	# 76
25) Isophorone	7.43	82	1493588	32.376	ng	# 64
50) Dimethylphthalate	9.62	163	216802	4.630	ng	98
51) 2,6-Dinitrotoluene	9.92	165	96184	9.173	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	96184	7.277	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	35870	2.716	ng	# 1
71) Phenanthrene	11.42	178	260894	5.059	ng	93
72) Anthracene	11.42	178	260894	5.112	ng	94
75) Fluoranthene	12.61	202	329980	6.066	ng	93
78) Pyrene	12.84	202	320677	5.192	ng	92
81) Benzo(a)anthracene	14.02	228	184146	3.365	ng	98
83) Chrysene	14.06	228	203079	3.872	ng	96
88) Benzo(b)fluoranthene	15.07	252	304798	4.831	ng	# 82
89) Benzo(k)fluoranthene	15.07	252	304798	5.214	ng	# 82
90) Benzo(a)pyrene	15.44	252	149226	2.742	ng	# 88

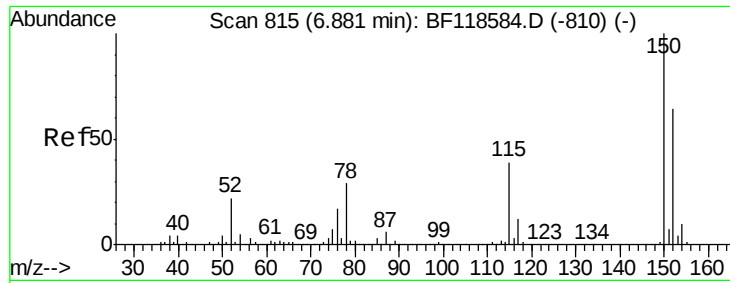
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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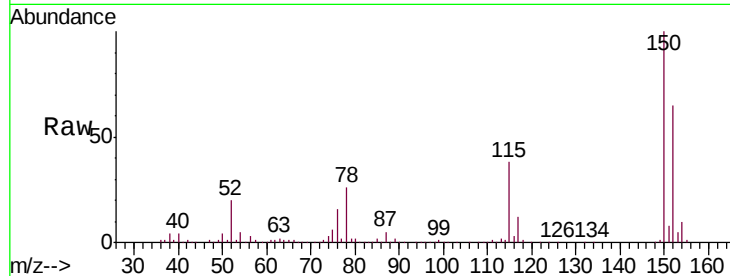




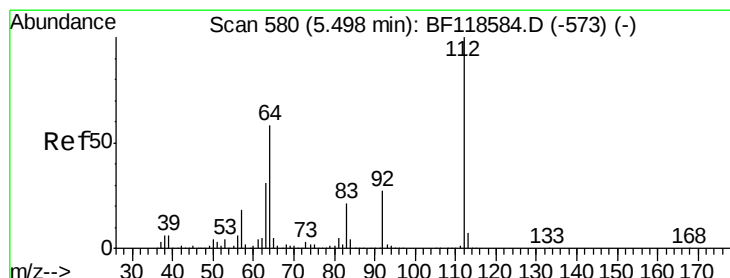
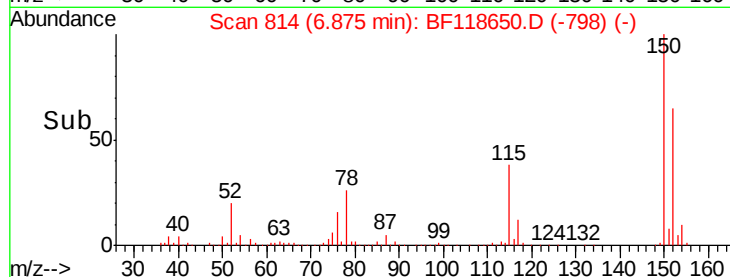
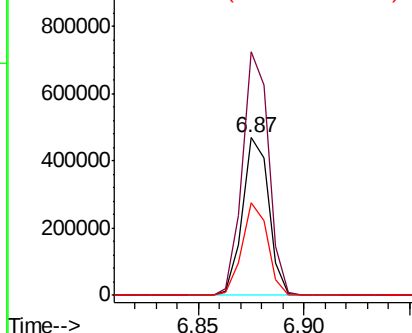
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF118650.D
 Acq: 21 Jan 2020 23:37

Instrument :
 BNA_F
 ClientSampleId :
 Q012-WC1

Tgt Ion:152 Resp: 402617
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.6 188.4
 115 58.6 48.4 72.6

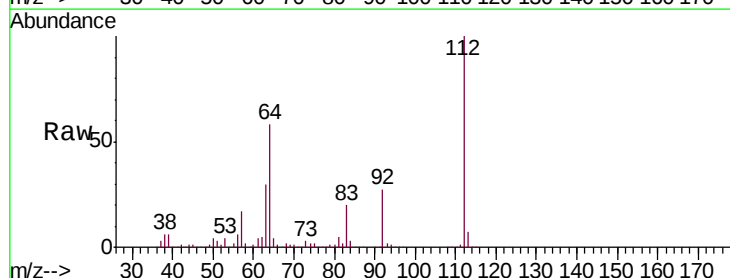


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

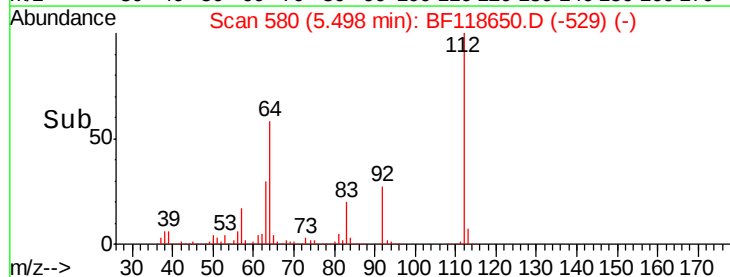
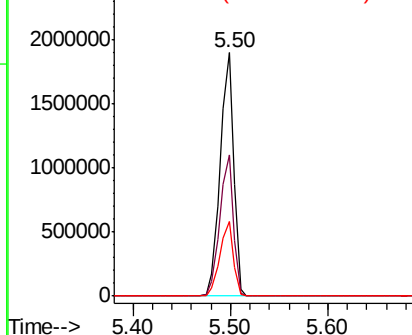


#5
 2-Fluorophenol
 Concen: 84.998 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF118650.D
 Acq: 21 Jan 2020 23:37

Tgt Ion:112 Resp: 1842592
 Ion Ratio Lower Upper
 112 100
 64 57.8 46.6 70.0
 63 30.5 25.1 37.7



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: 83.053 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118650.D

Acq: 21 Jan 2020 23:37

Instrument :

BNA_F

ClientSampled :

Q012-WC1

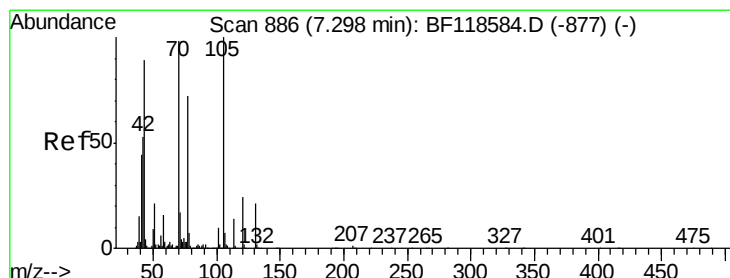
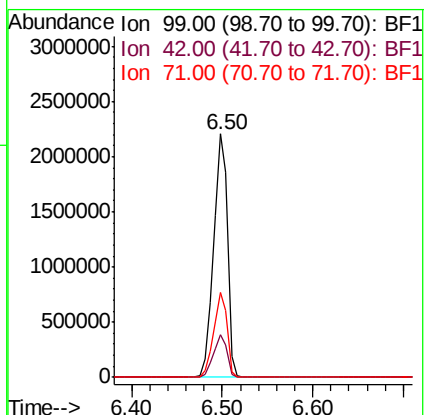
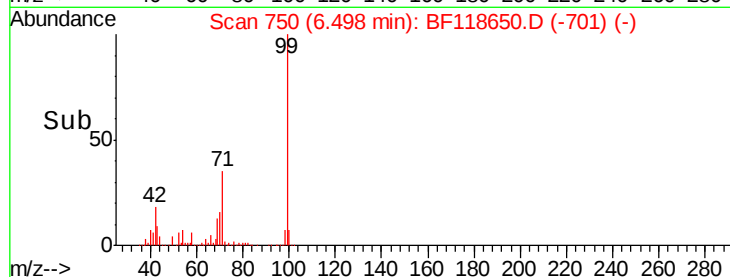
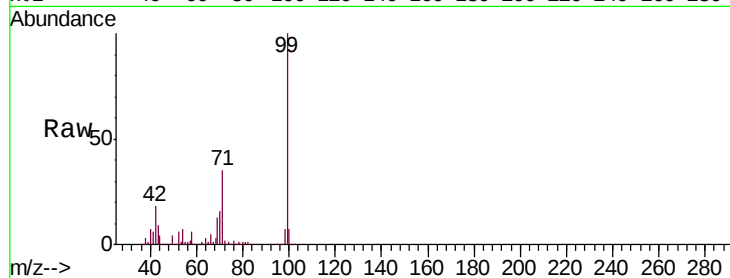
Tgt Ion: 99 Resp: 2340088

Ion Ratio Lower Upper

99 100

42 17.6 14.2 21.2

71 34.8 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.847 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF118650.D

Acq: 21 Jan 2020 23:37

Tgt Ion: 70 Resp: 206356

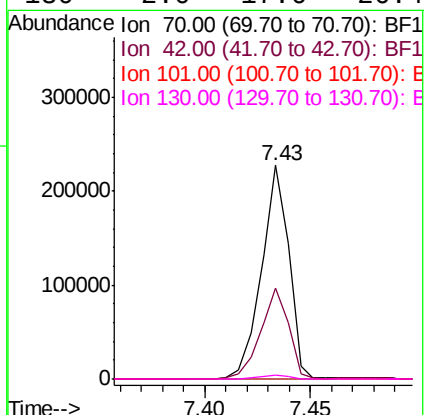
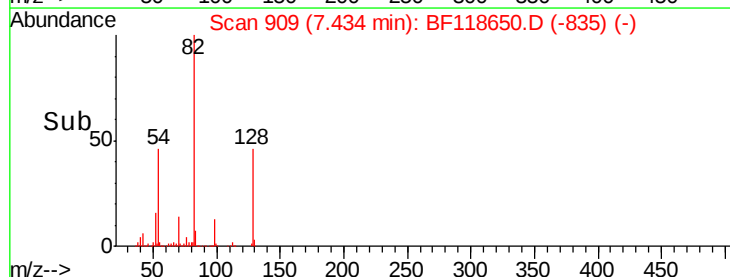
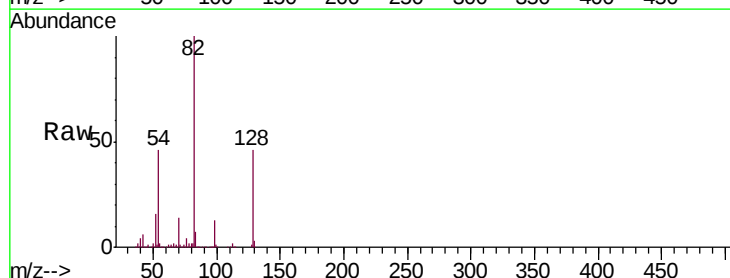
Ion Ratio Lower Upper

70 100

42 42.6 43.4 65.0#

101 0.0 8.1 12.1#

130 2.0 17.6 26.4#

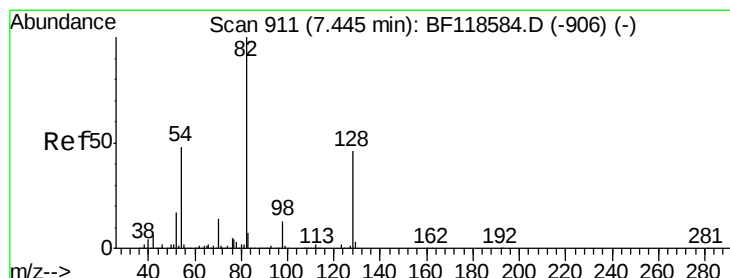
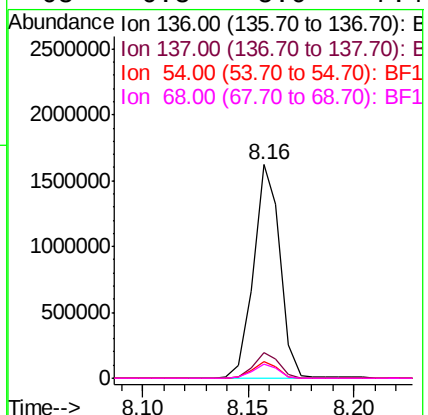
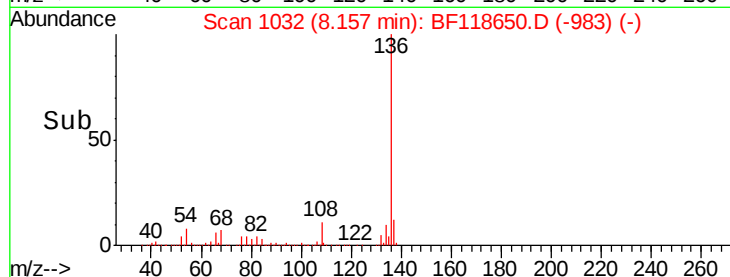
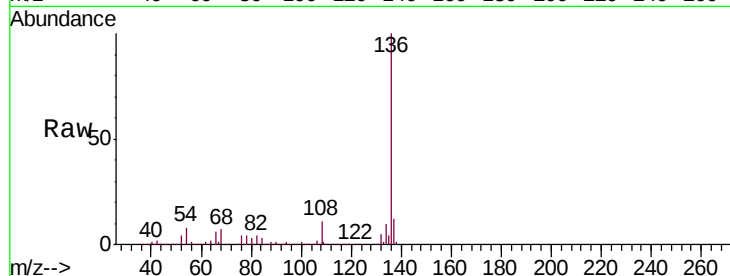




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118650.D
Acq: 21 Jan 2020 23:37

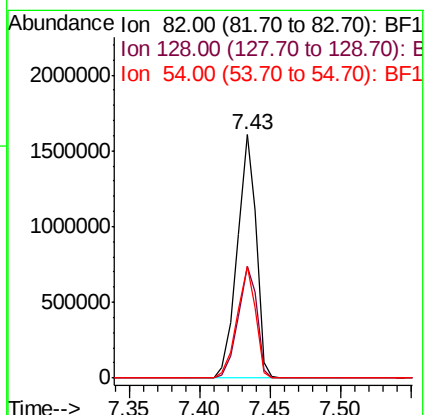
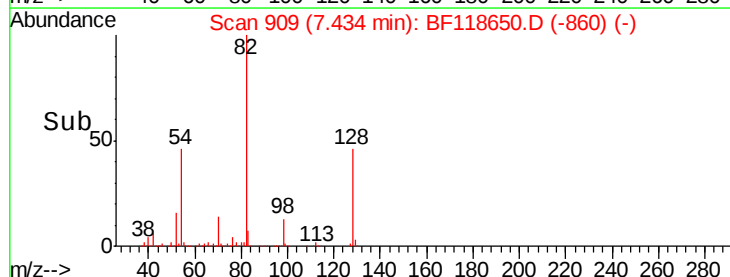
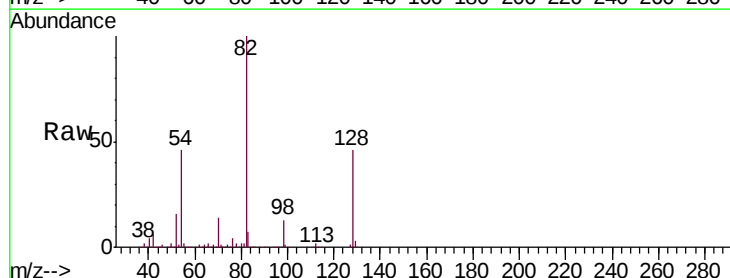
Instrument :
BNA_F
ClientSampleId :
Q012-WC1

Tgt Ion:	136	Resp:	1414738
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	8.1	5.8	8.6
68	6.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 59.135 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118650.D
Acq: 21 Jan 2020 23:37

Tgt Ion:	82	Resp:	1495705
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.6	54.8
54	45.9	38.0	57.0





#25

Isophorone

Concen: 32.376 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.27 min

Lab File: BF118650.D

Acq: 21 Jan 2020 23:37

Instrument :

BNA_F

ClientSampleId :

Q012-WC1

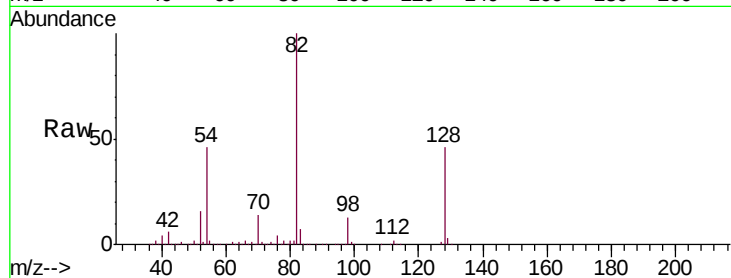
Tgt Ion: 82 Resp: 1493588

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

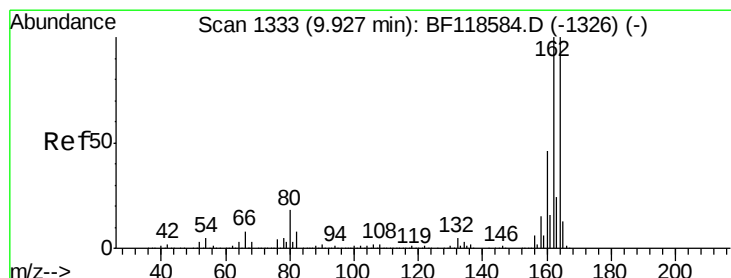
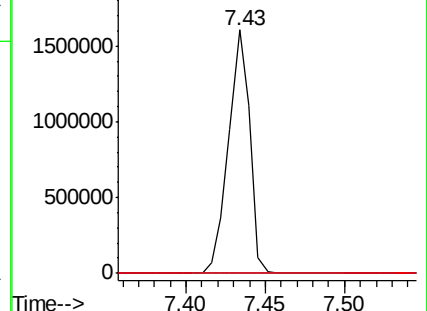
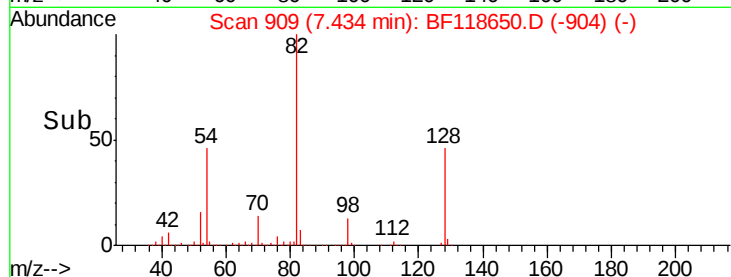
138 0.0 15.3 22.9#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118650.D

Acq: 21 Jan 2020 23:37

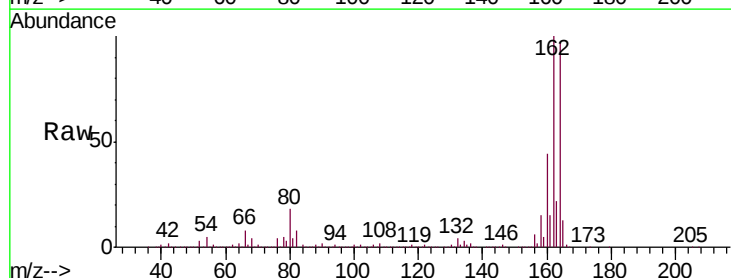
Tgt Ion: 164 Resp: 718696

Ion Ratio Lower Upper

164 100

162 103.3 80.4 120.6

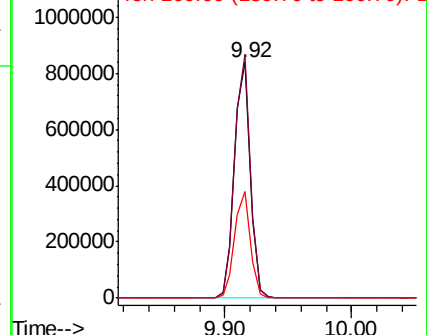
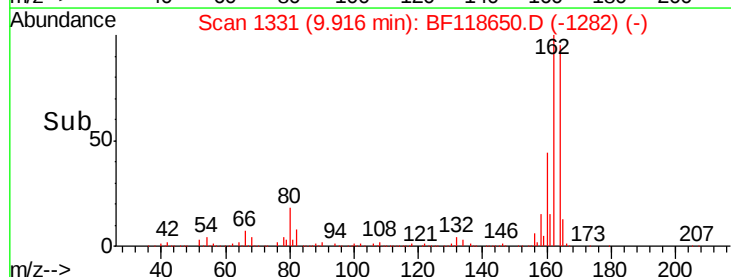
160 45.5 36.6 55.0

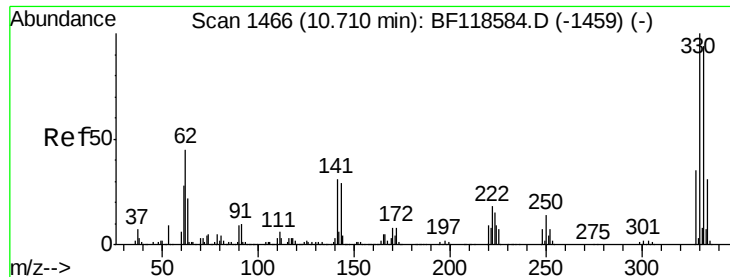


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

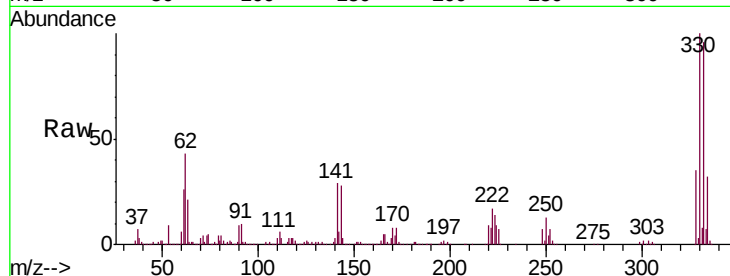




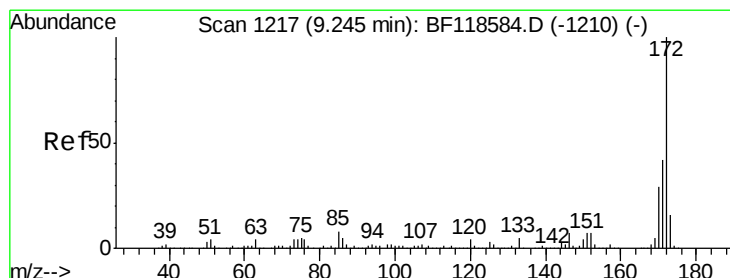
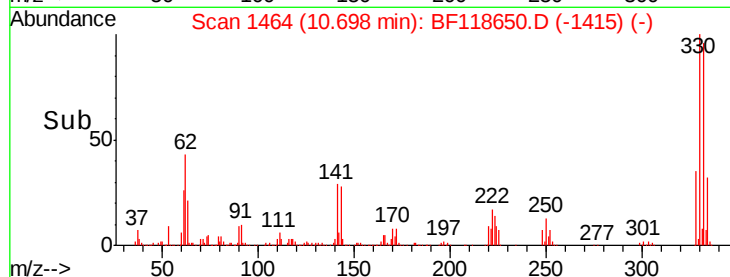
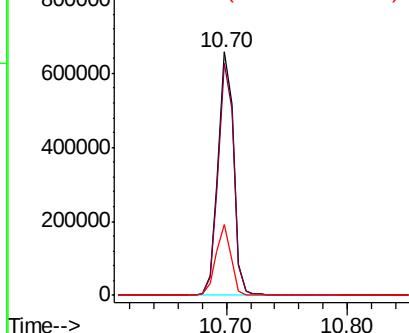
#42
 2,4,6-Tribromophenol
 Concen: 69.745 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF118650.D
 Acq: 21 Jan 2020 23:37

Instrument :
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 ClientSampleId :
 Q012-WC1

Tgt Ion:330 Resp: 579763
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.2 114.4
 141 27.8 23.9 35.9

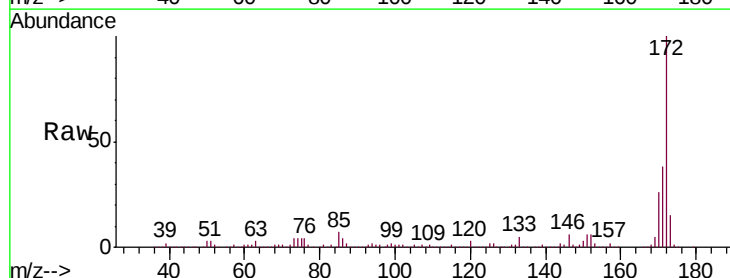


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

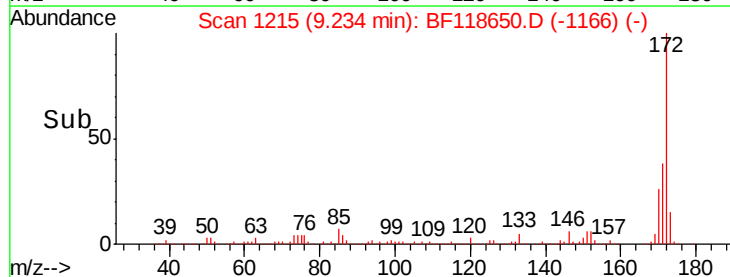
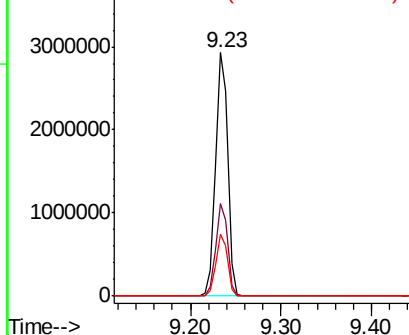


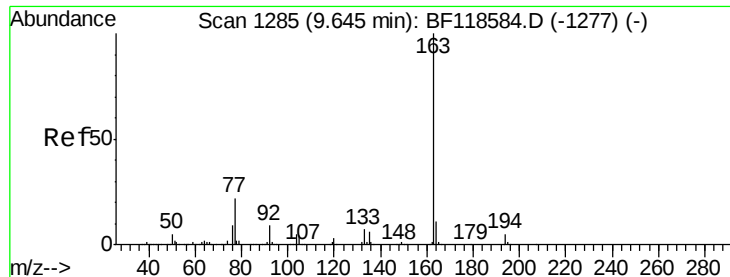
#45
 2-Fluorobiphenyl
 Concen: 62.400 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF118650.D
 Acq: 21 Jan 2020 23:37

Tgt Ion:172 Resp: 2728531
 Ion Ratio Lower Upper
 172 100
 171 38.1 33.4 50.2
 170 25.6 23.2 34.8



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

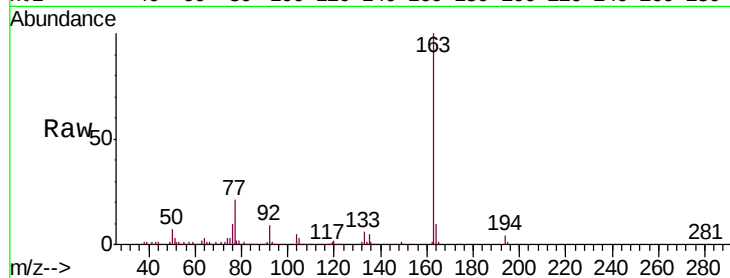




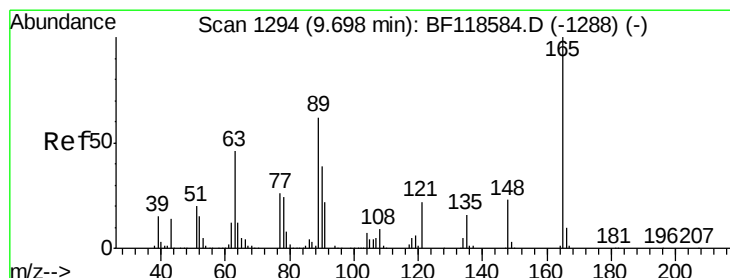
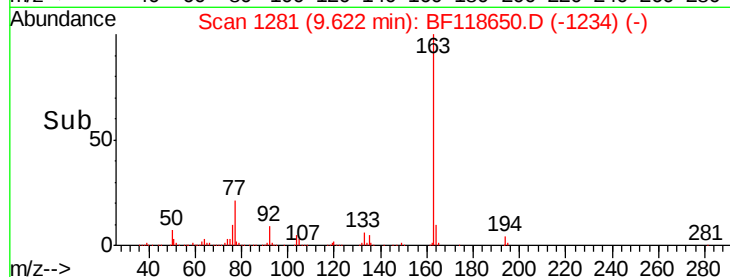
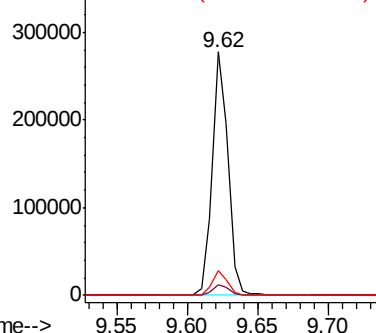
#50
Dimethylphthalate
Concen: 4.630 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118650.D
Acq: 21 Jan 2020 23:37

Instrument :
BNA_F
ClientSampleId :
Q012-WC1

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.9	5.9
164	10.4	9.1	13.7

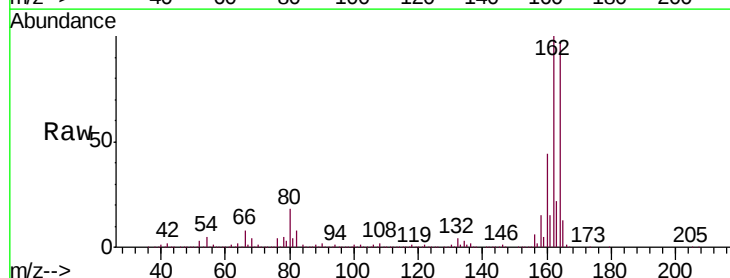


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

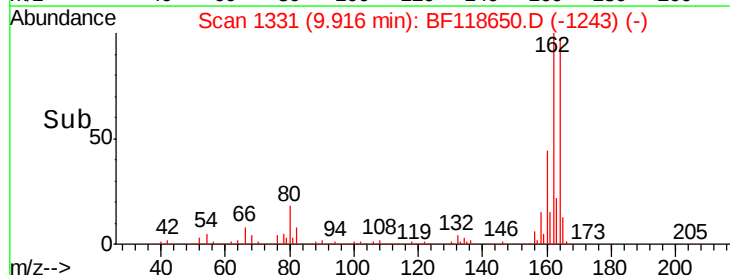
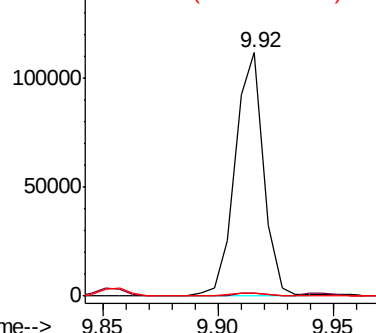


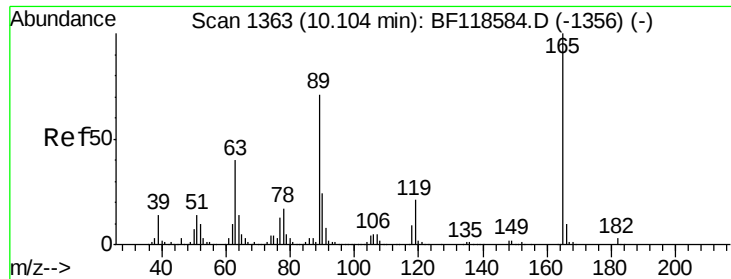
#51
2,6-Dinitrotoluene
Concen: 9.173 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.22 min
Lab File: BF118650.D
Acq: 21 Jan 2020 23:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	48.9	73.3#
89	1.3	49.8	74.6#



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

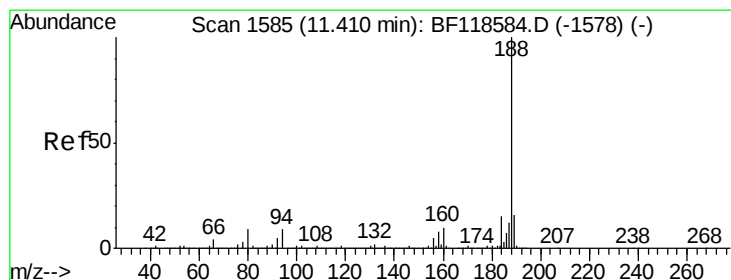
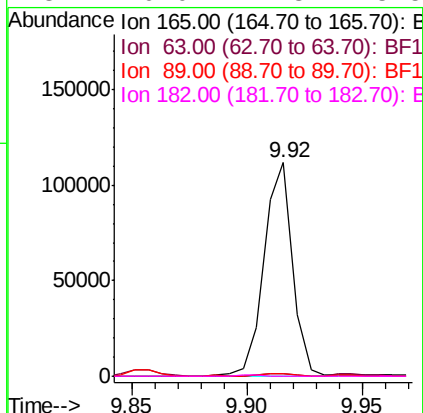
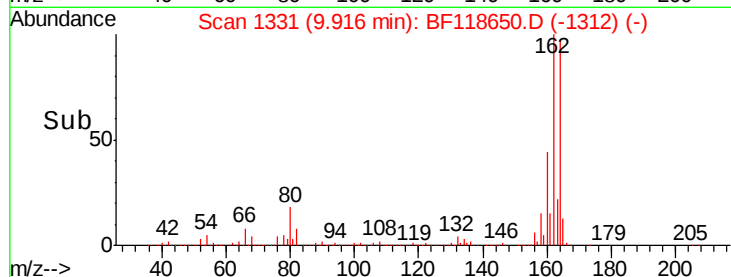
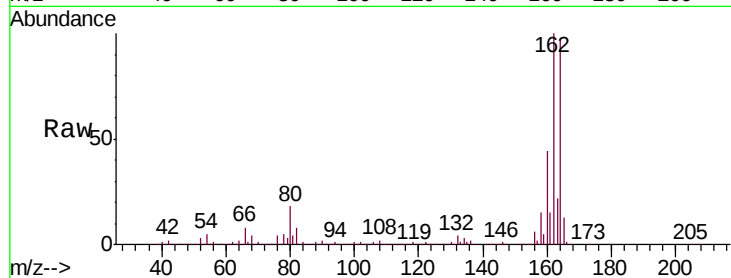




#57
 2,4-Dinitrotoluene
 Concen: 7.277 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118650.D
 Acq: 21 Jan 2020 23:37

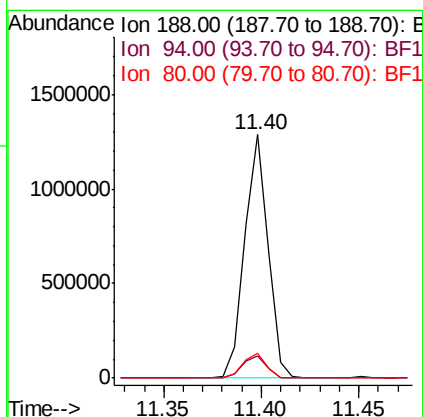
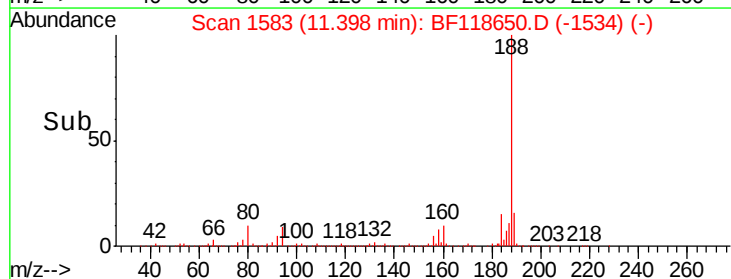
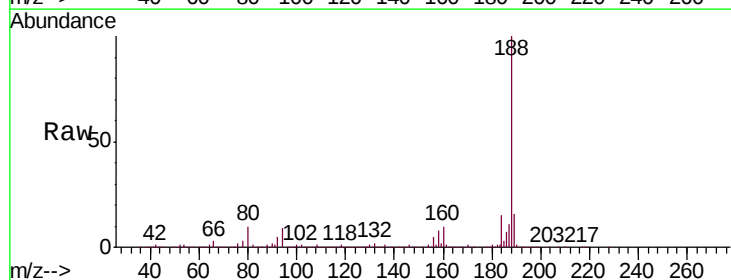
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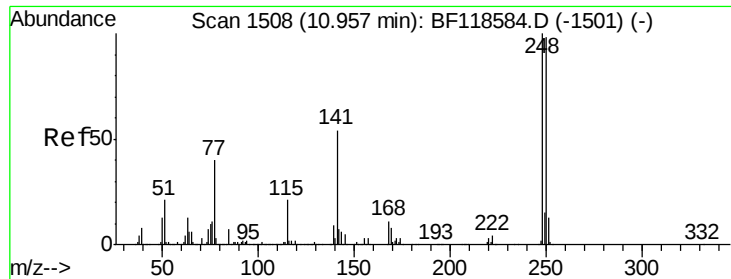
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	32.4	48.6#
89	1.3	56.4	84.6#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF118650.D
 Acq: 21 Jan 2020 23:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.1	10.7
80	10.1	7.5	11.3

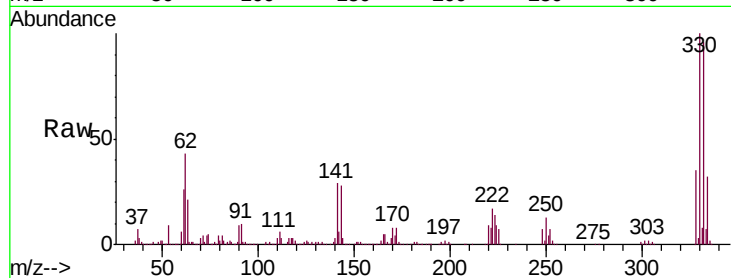




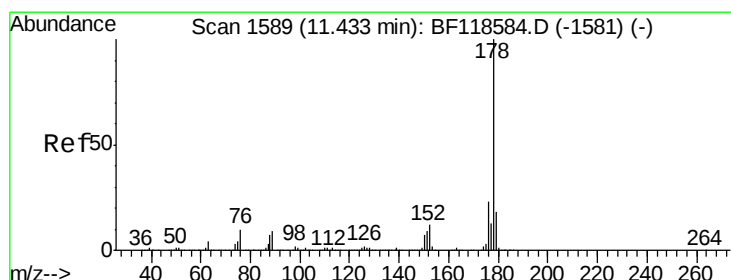
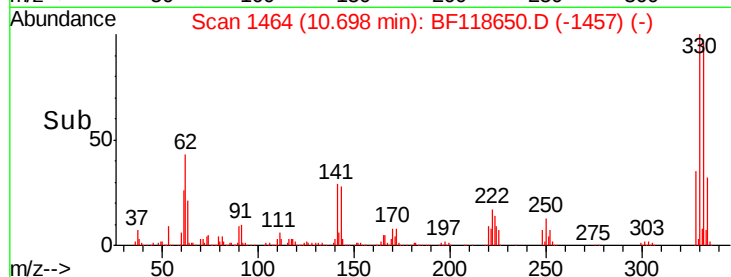
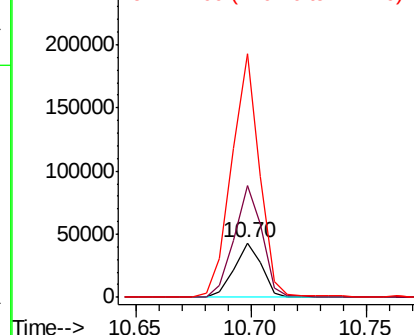
#67
 4-Bromophenyl-phenylether
 Concen: 2.716 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.26 min
 Lab File: BF118650.D
 Acq: 21 Jan 2020 23:37

Instrument :
 BNA_F
 ClientSampleId :
 Q012-WC1

Tgt Ion: 248 Resp: 35870
 Ion Ratio Lower Upper
 248 100
 250 204.9 78.7 118.1#
 141 445.1 43.2 64.8#

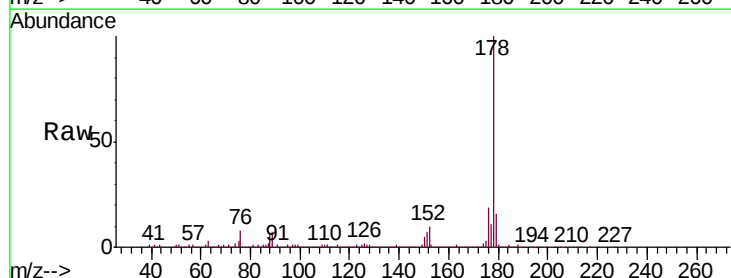


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

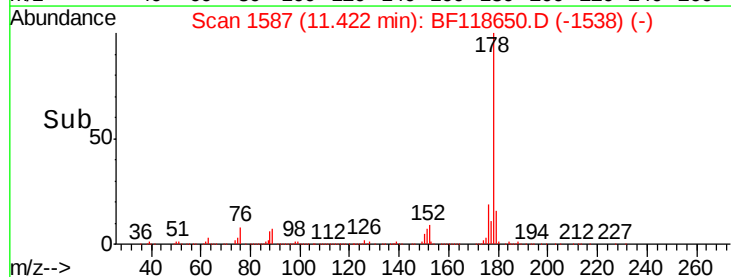
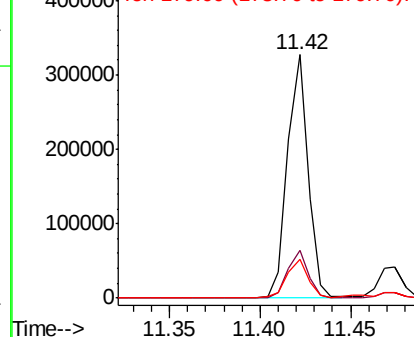


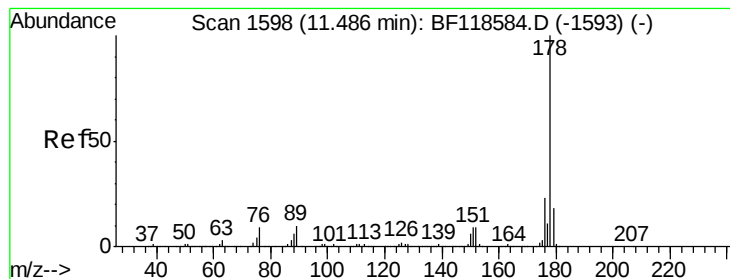
#71
 Phenanthrene
 Concen: 5.059 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF118650.D
 Acq: 21 Jan 2020 23:37

Tgt Ion: 178 Resp: 260894
 Ion Ratio Lower Upper
 178 100
 176 19.4 18.6 27.8
 179 15.8 14.7 22.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.112 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.06 min

Lab File: BF118650.D

Acq: 21 Jan 2020 23:37

Instrument :

BNA_F

ClientSampleId :

Q012-WC1

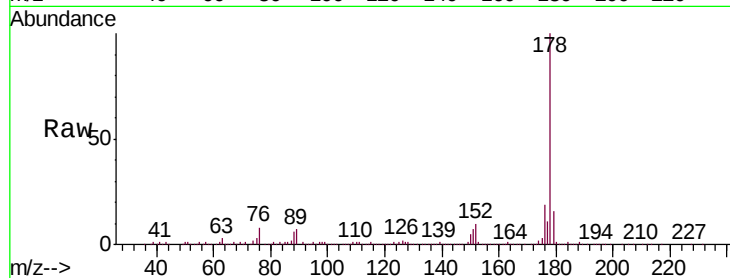
Tgt Ion:178 Resp: 260894

Ion Ratio Lower Upper

178 100

176 19.4 18.0 27.0

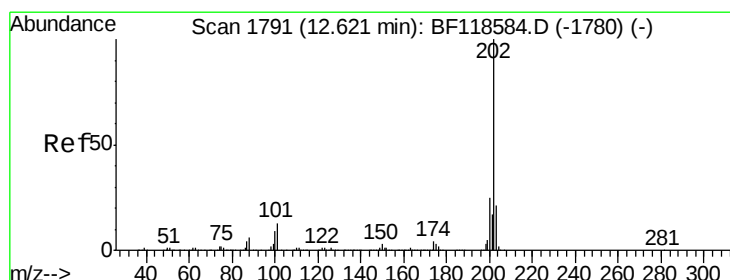
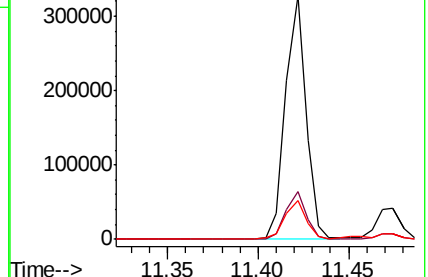
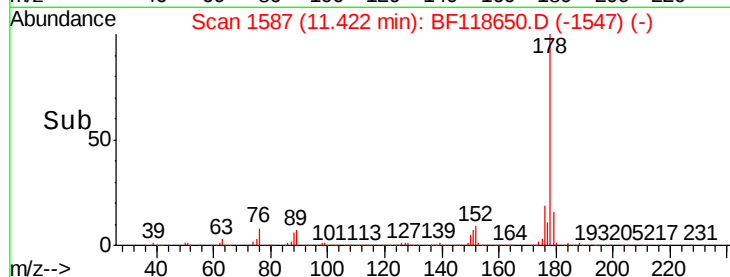
179 15.8 14.7 22.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.066 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118650.D

Acq: 21 Jan 2020 23:37

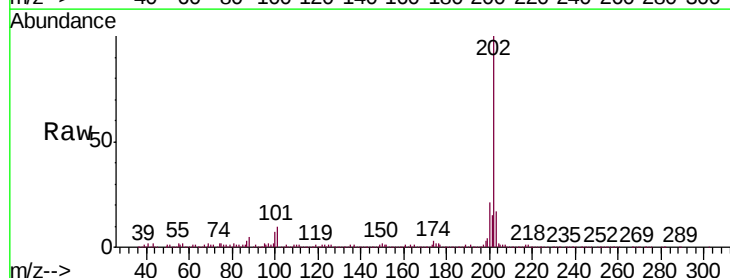
Tgt Ion:202 Resp: 329980

Ion Ratio Lower Upper

202 100

101 9.8 0.0 32.5

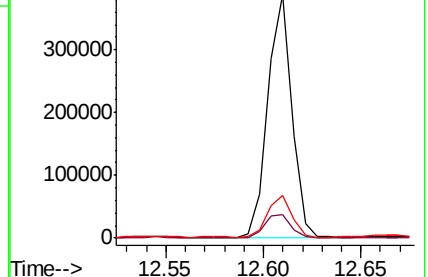
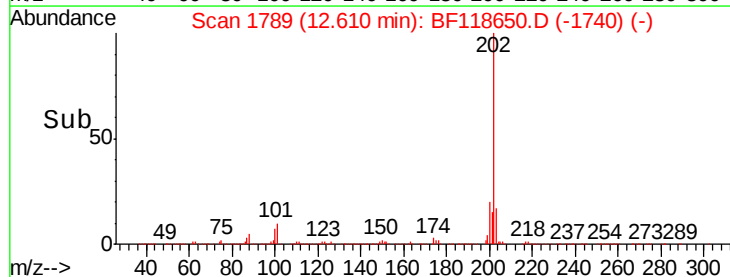
203 17.5 0.8 40.8

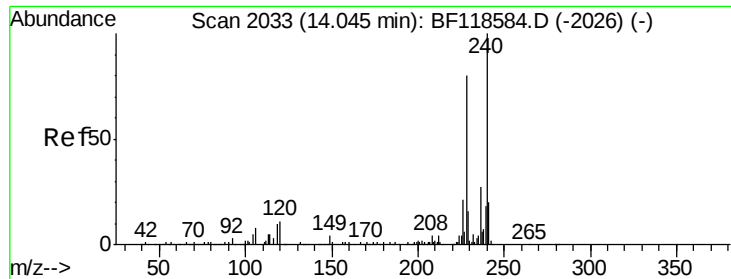


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

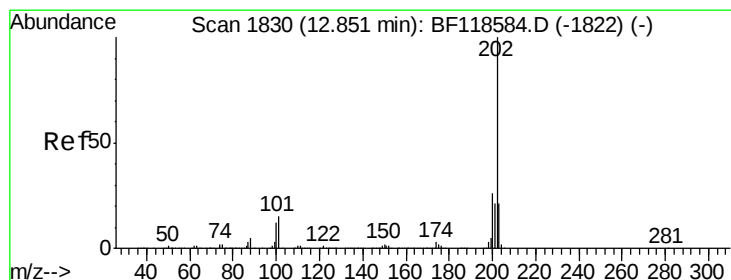
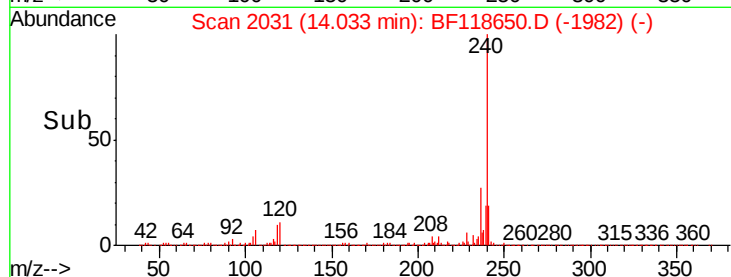
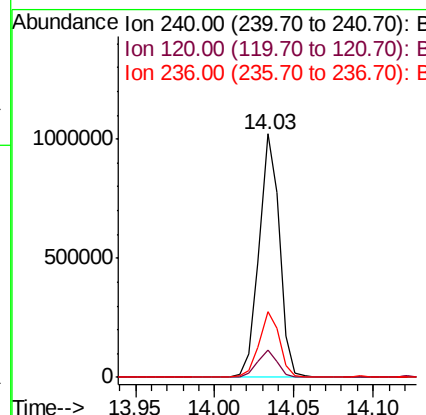
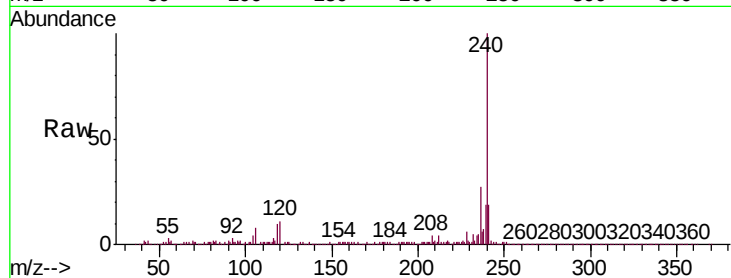




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118650.D
Acq: 21 Jan 2020 23:37

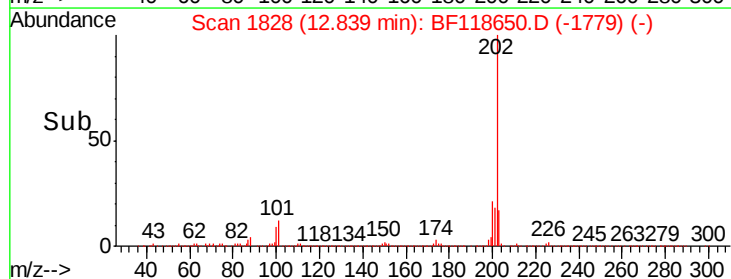
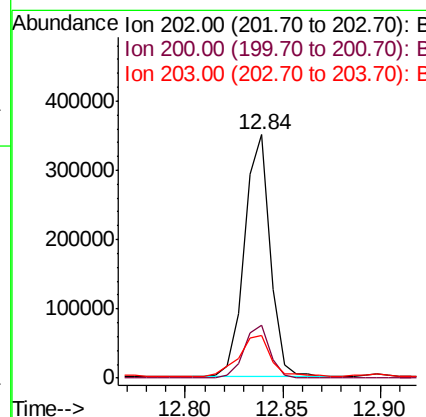
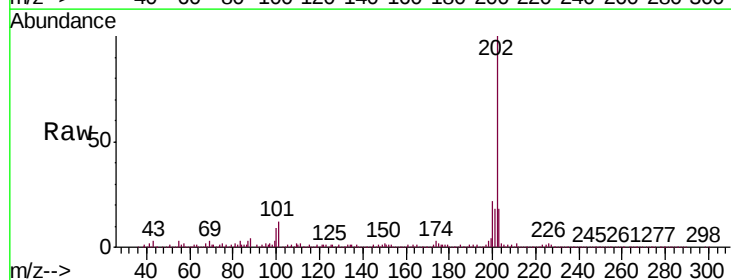
Instrument :
BNA_F
ClientSampleId :
Q012-WC1

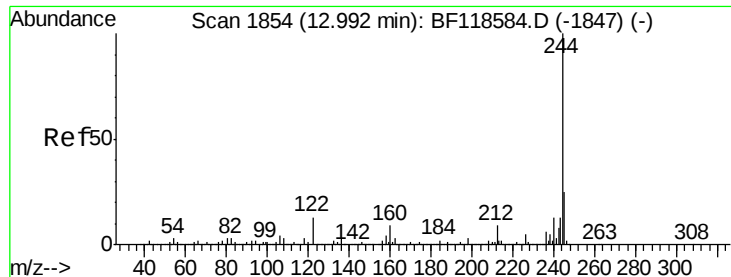
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	26.9	21.5	32.3



#78
Pyrene
Concen: 5.192 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118650.D
Acq: 21 Jan 2020 23:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	20.6	31.0
203	17.6	16.8	25.2





#79

Terphenyl-d14

Concen: 58.849 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118650.D

Acq: 21 Jan 2020 23:37

Instrument :

BNA_F

ClientSampleId :

Q012-WC1

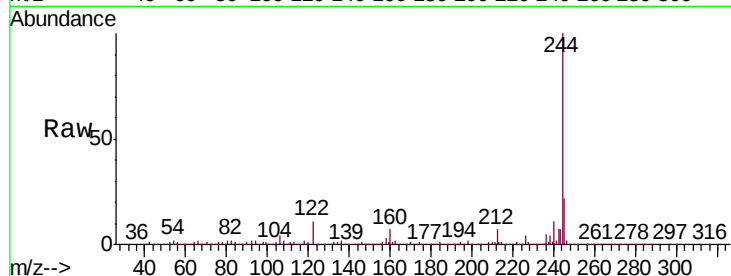
Tgt Ion:244 Resp: 2454815

Ion Ratio Lower Upper

244 100

212 7.0 7.0 10.4

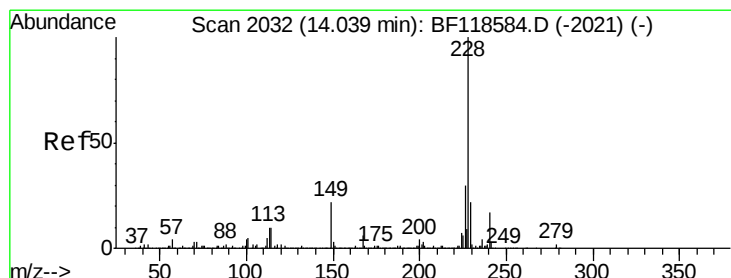
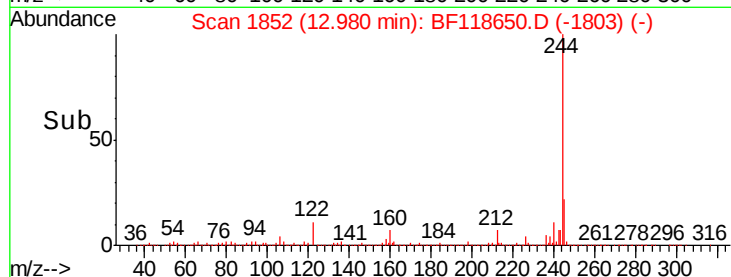
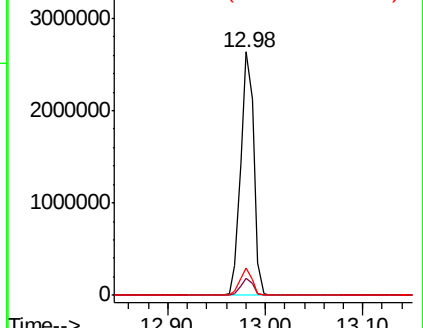
122 11.4 10.7 16.1



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: 3.365 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF118650.D

Acq: 21 Jan 2020 23:37

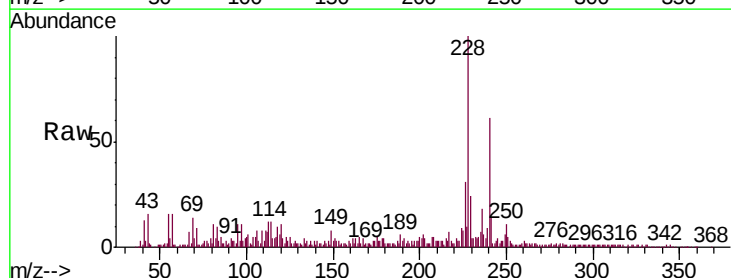
Tgt Ion:228 Resp: 184146

Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

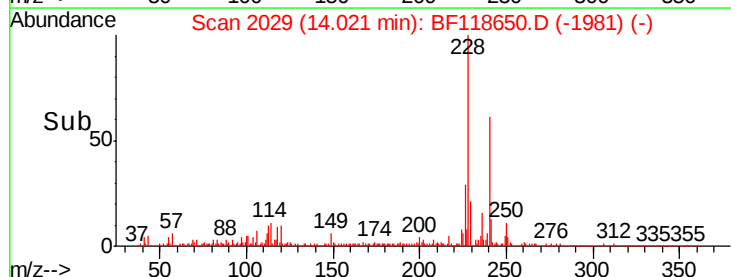
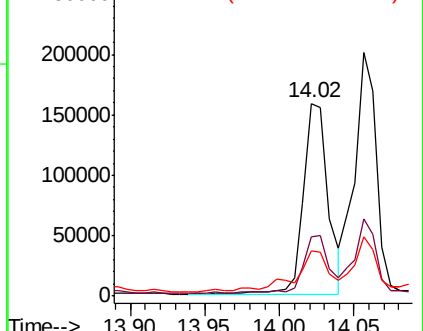
229 23.7 17.6 26.4

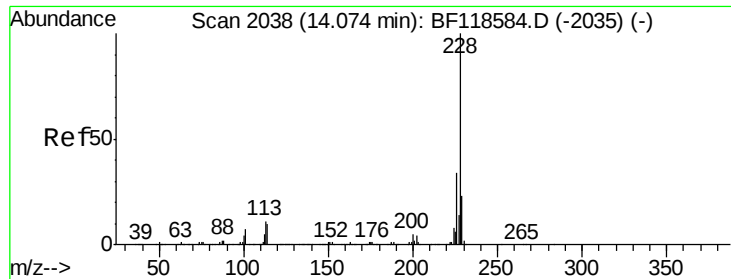


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

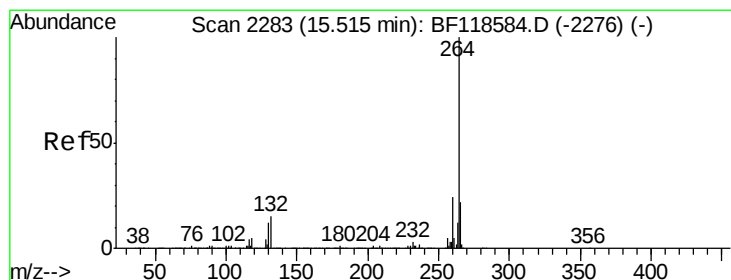
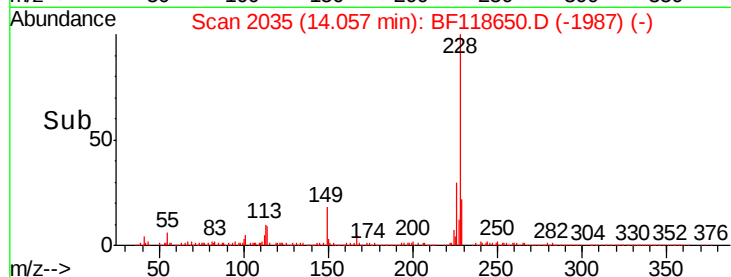
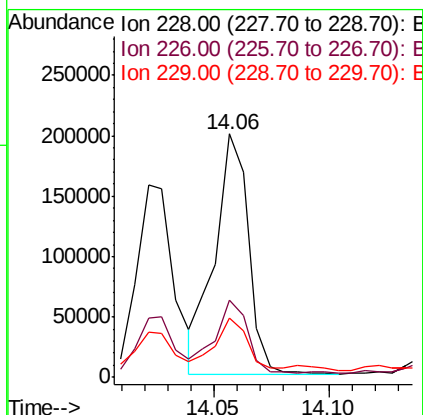
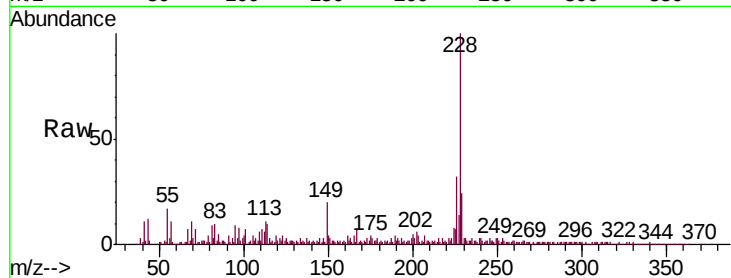




#83
Chrysene
Concen: 3.872 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF118650.D
Acq: 21 Jan 2020 23:37

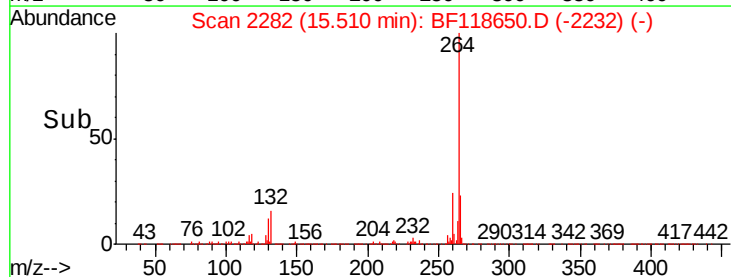
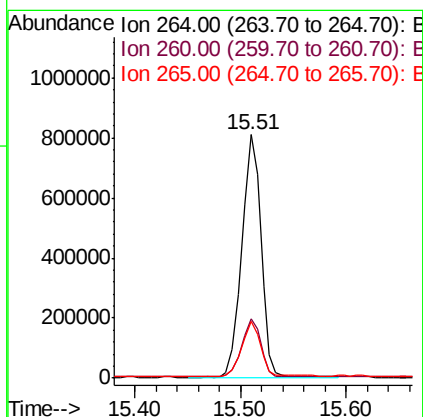
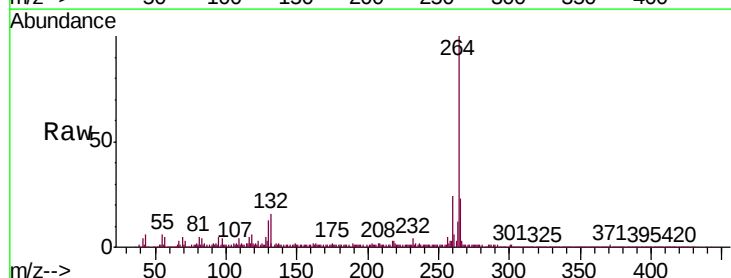
Instrument :
BNA_F
ClientSampleId :
Q012-WC1

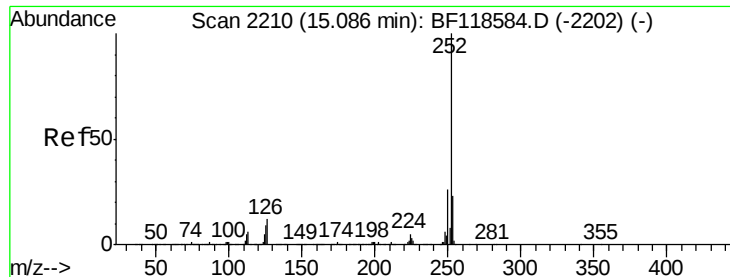
Tgt Ion: 228 Resp: 203079
Ion Ratio Lower Upper
228 100
226 31.6 27.4 41.0
229 24.3 18.3 27.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF118650.D
Acq: 21 Jan 2020 23:37

Tgt Ion: 264 Resp: 1003822
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 23.1 17.7 26.5

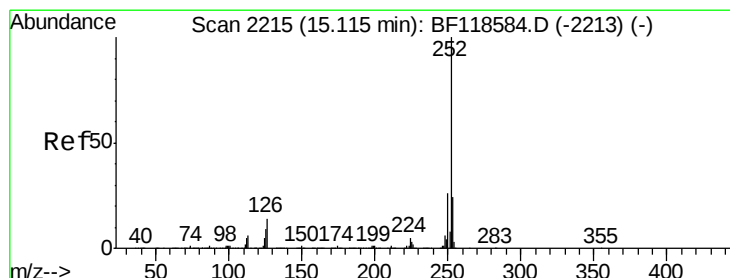
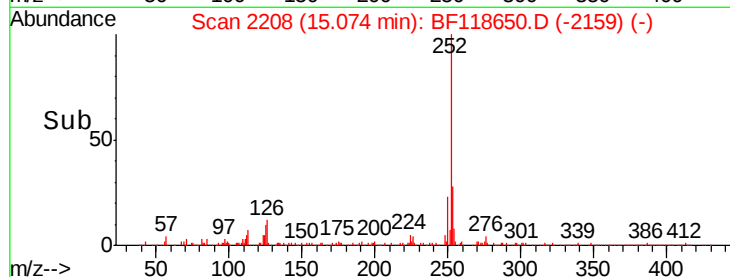
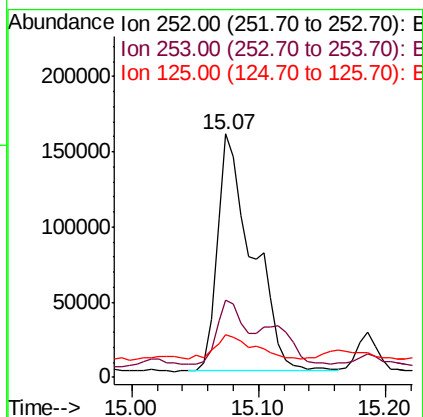
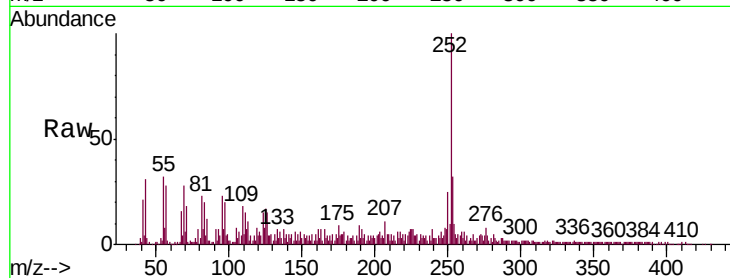




#88
Benzo(b)fluoranthene
Concen: 4.831 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF118650.D
Acq: 21 Jan 2020 23:37

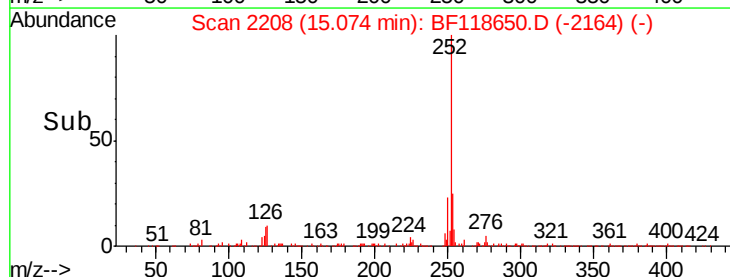
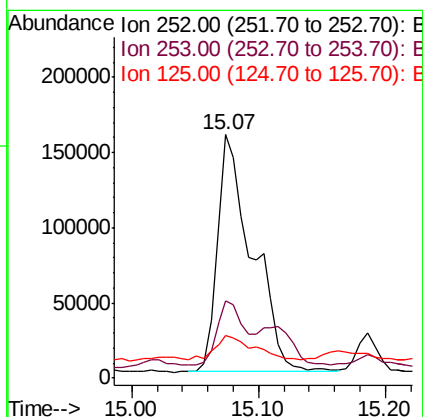
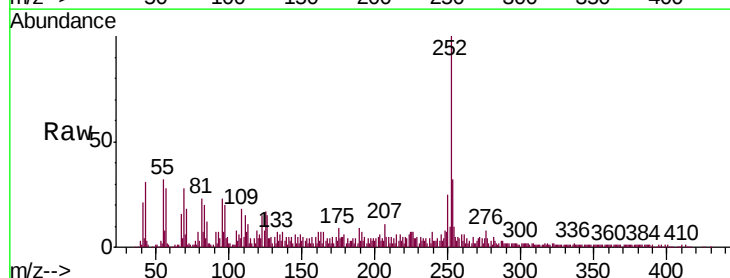
Instrument :
BNA_F
ClientSampleId :
Q012-WC1

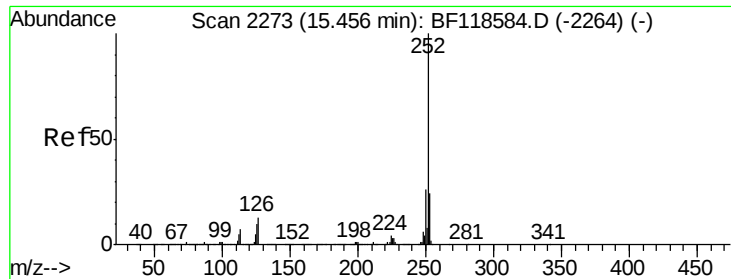
Tgt Ion:252 Resp: 304798
Ion Ratio Lower Upper
252 100
253 31.6 18.7 28.1#
125 17.4 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 5.214 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF118650.D
Acq: 21 Jan 2020 23:37

Tgt Ion:252 Resp: 304798
Ion Ratio Lower Upper
252 100
253 31.6 19.0 28.4#
125 17.4 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 2.742 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF118650.D

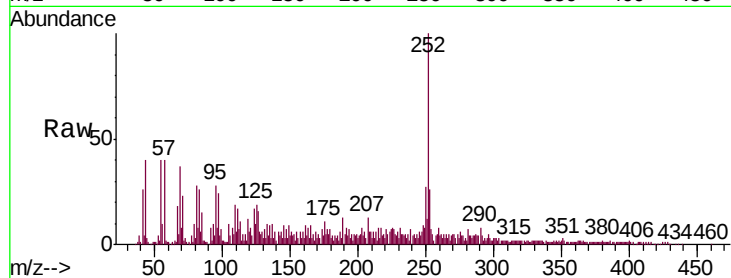
Acq: 21 Jan 2020 23:37

Instrument :

BNA_F

ClientSampleId :

Q012-WC1



Tgt Ion:	252	Resp:	149226
Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.8	28.2
125	19.1	7.8	11.6#

