

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102823.D
 Acq On : 7 Feb 2018 19:26
 Operator : SJ/JU
 Sample : J1400-05 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 02:19:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

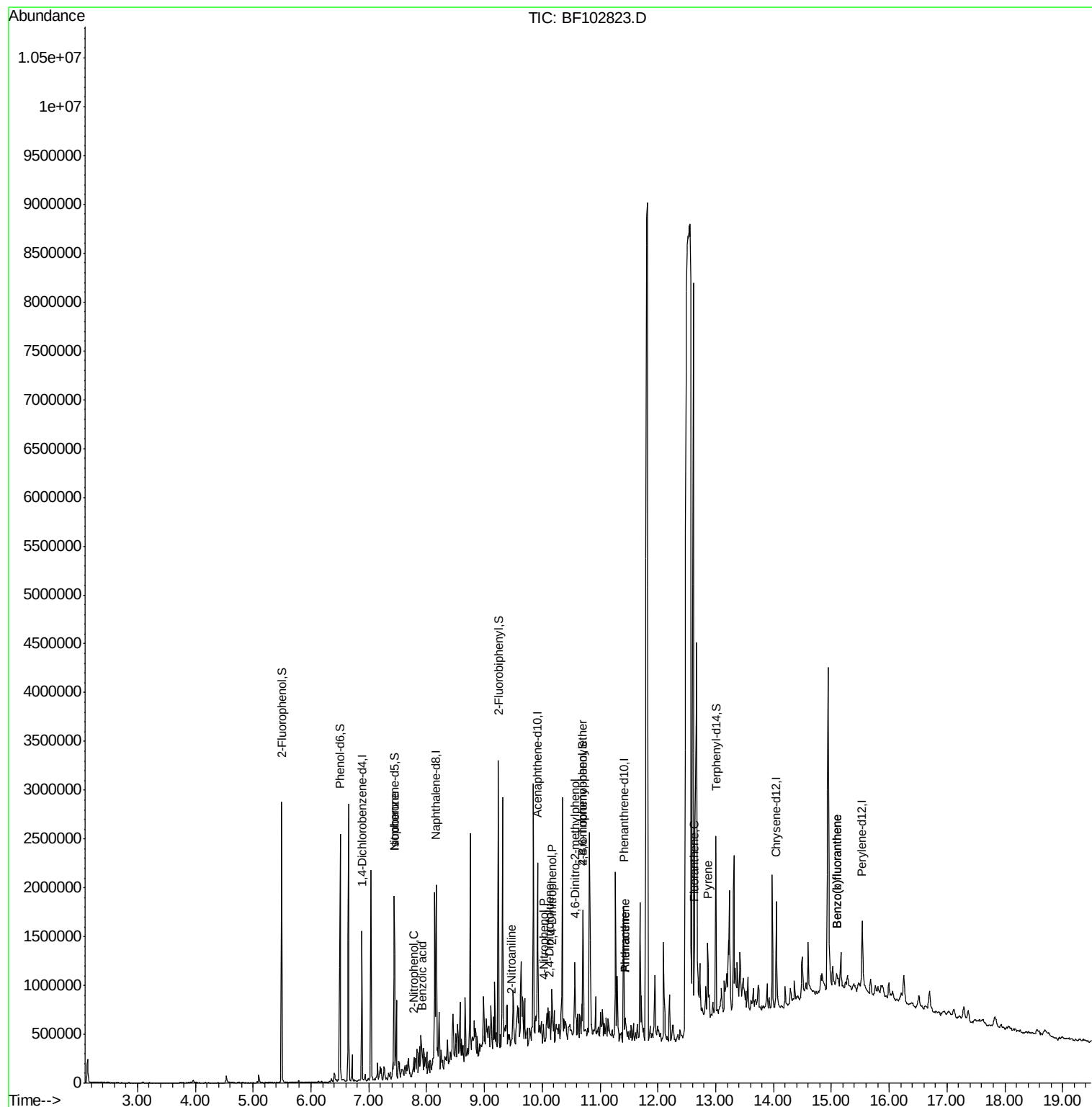
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	197744	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	794195	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	330509	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	489401	20.00	ng	0.00
75) Chrysene-d12	14.05	240	353451	20.00	ng	0.00
86) Perylene-d12	15.53	264	321609	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	741781	56.97	ng	0.00
7) Phenol-d6	6.50	99	869454	55.46	ng	0.00
23) Nitrobenzene-d5	7.44	82	535588	46.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	157695	59.28	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	864818	43.42	ng	0.00
78) Terphenyl-d14	13.00	244	593250	39.74	ng	0.00
Target Compounds						
25) Isophorone	7.44	82	527792	20.02	ng	# 64
26) 2-Nitrophenol	7.77	139	958	8.81	ng	# 1
32) Benzoic acid	7.93	122	116	8.56	ng	# 1
47) 2-Nitroaniline	9.47	65	659	3.56	ng	# 1
53) 2,4-Dinitrophenol	10.16	184	344	8.32	ng	# 1
55) 4-Nitrophenol	10.02	139	2310	4.47	ng	# 3
56) 2,4-Dinitrotoluene	10.12	165	1832	3.34	ng	# 60
64) 4,6-Dinitro-2-methylphenol	10.56	198	109	8.84	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	10489	2.03	ng	# 1
70) Phenanthrene	11.43	178	63893	2.34	ng	98
71) Anthracene	11.43	178	63893	2.30	ng	97
74) Fluoranthene	12.63	202	86333	3.15	ng	98
77) Pyrene	12.86	202	84918	3.06	ng	96
87) Benzo(b)fluoranthene	15.09	252	60868	2.92	ng	# 60
88) Benzo(k)fluoranthene	15.09	252	60868	3.06	ng	# 63

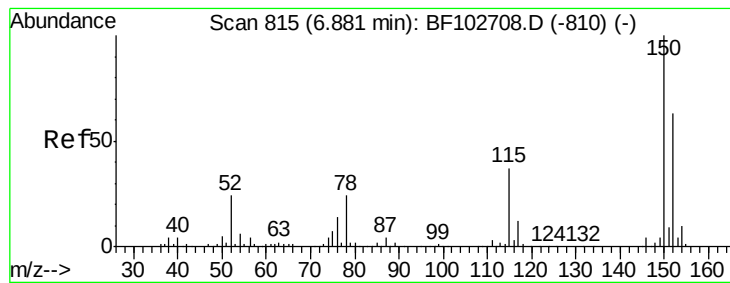
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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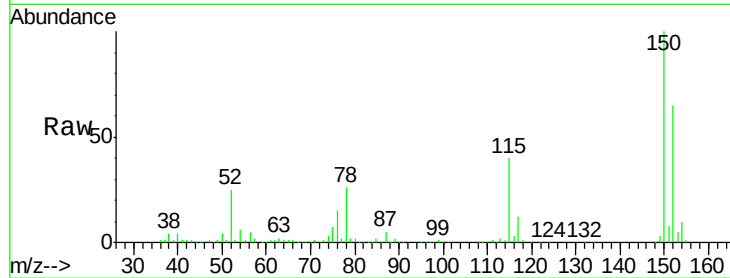


#1

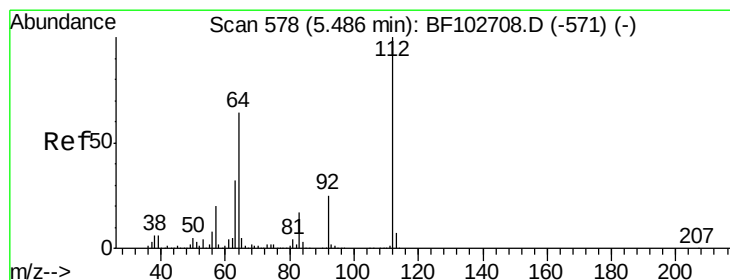
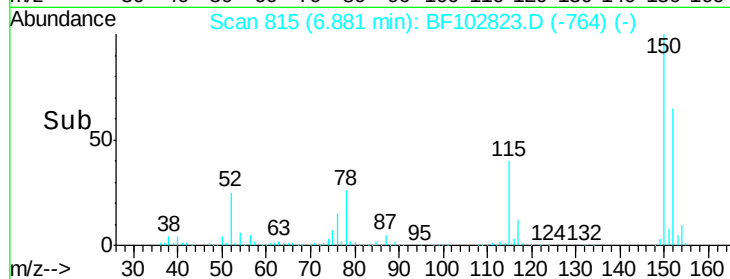
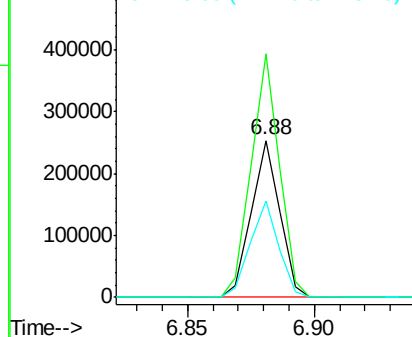
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 197744
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 61.6 50.1 75.1



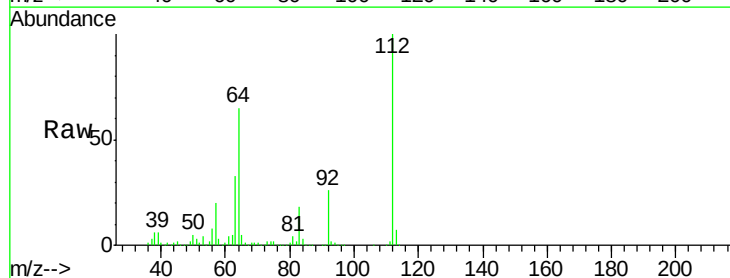
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



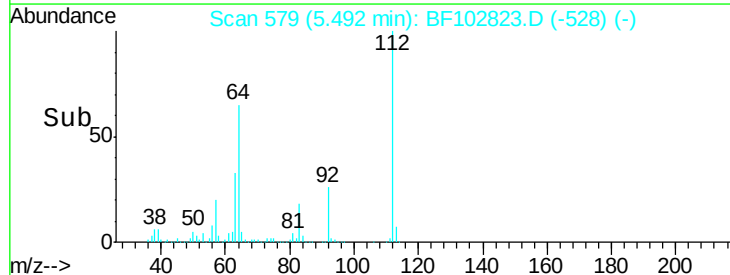
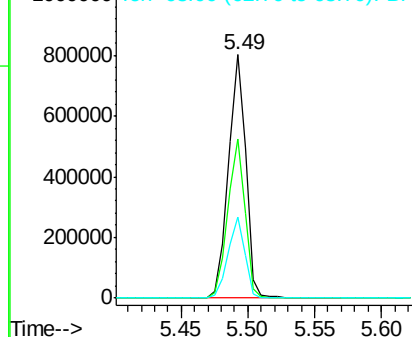
#5

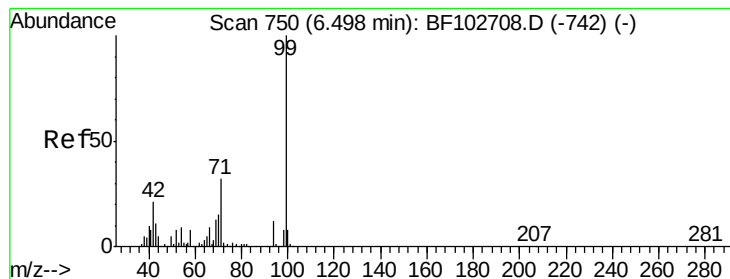
2-Fluorophenol
Concen: 56.97 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

Tgt Ion:112 Resp: 741781
Ion Ratio Lower Upper
112 100
64 65.2 47.9 71.9
63 33.2 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: 55.46 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

ClientSampleId :

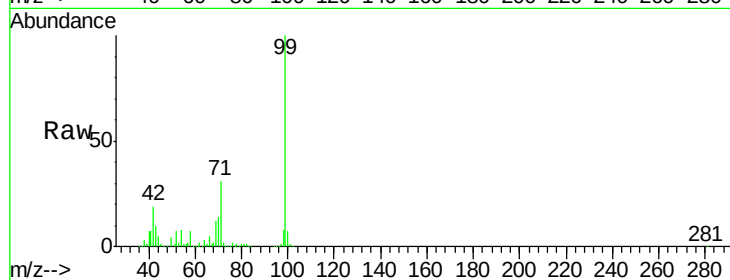
Tot Ion: 99 Resp: 869454

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

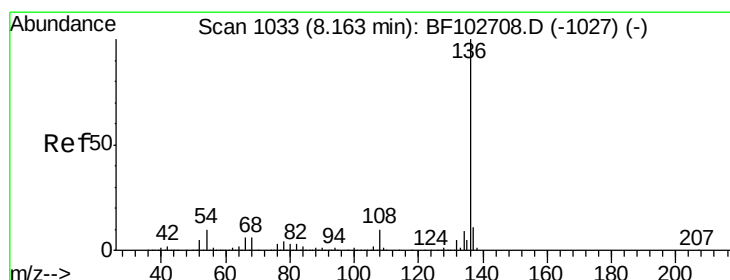
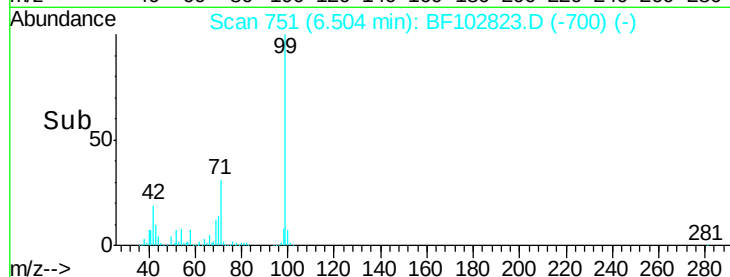
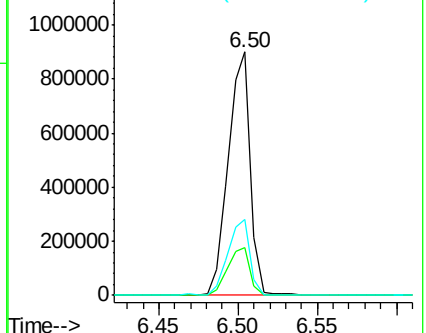
71 31.3 25.4 38.0



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: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Tgt Ion: 136 Resp: 794195

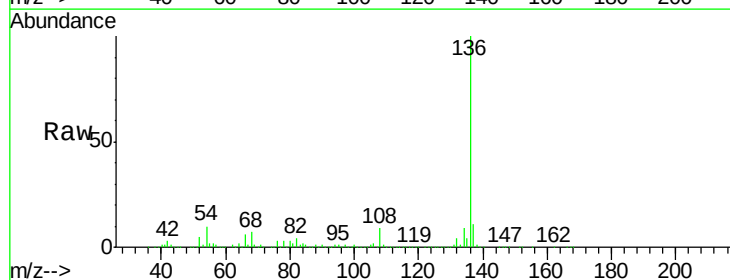
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.1 6.6 9.8#

68 6.8 5.0 7.4

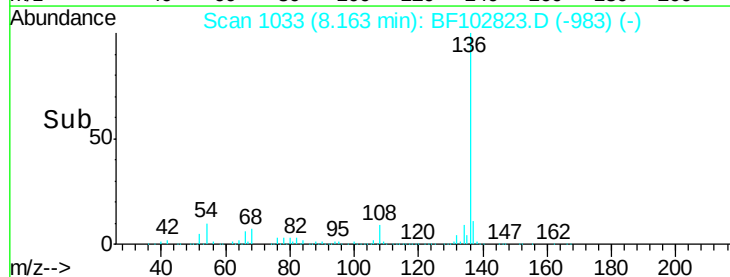
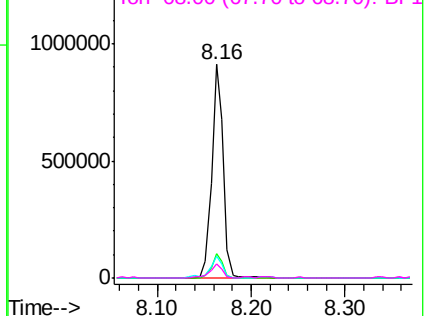


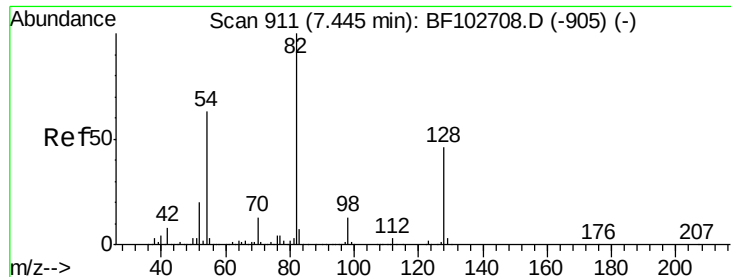
Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.78 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

ClientSampleId :

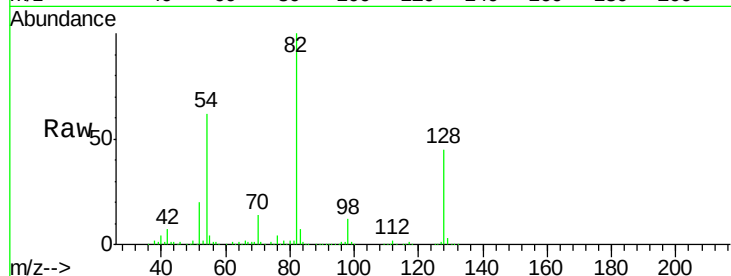
Tot Ion: 82 Resp: 535588

Ion Ratio Lower Upper

82 100

128 45.1 36.1 54.1

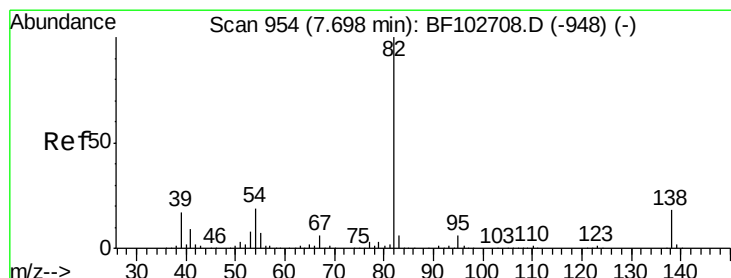
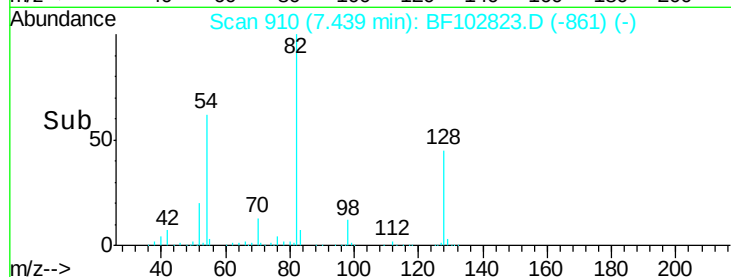
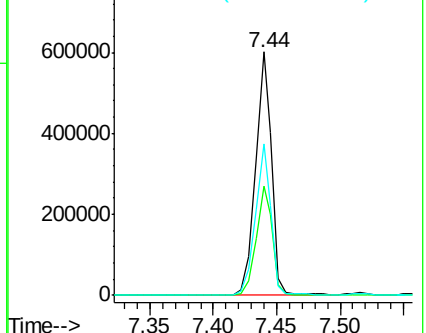
54 62.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 20.02 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

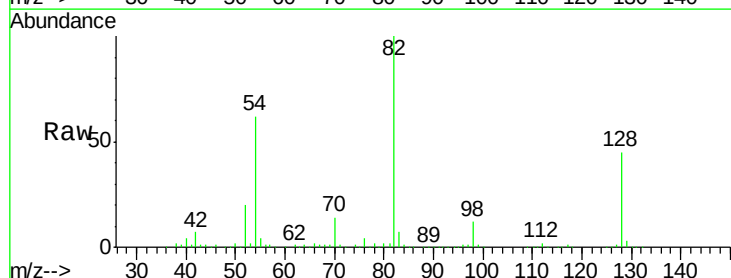
Tgt Ion: 82 Resp: 527792

Ion Ratio Lower Upper

82 100

95 0.3 5.2 7.8#

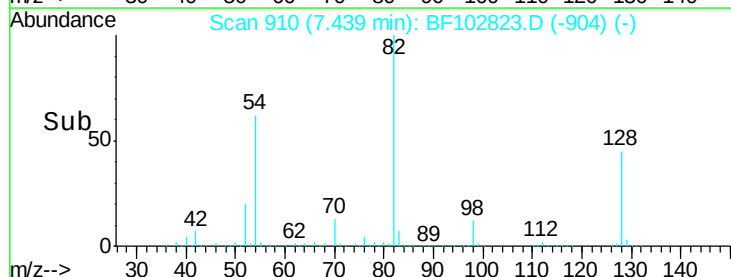
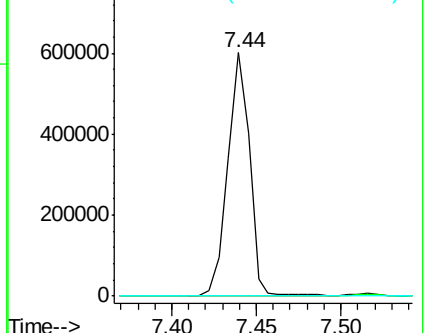
138 0.0 14.9 22.3#

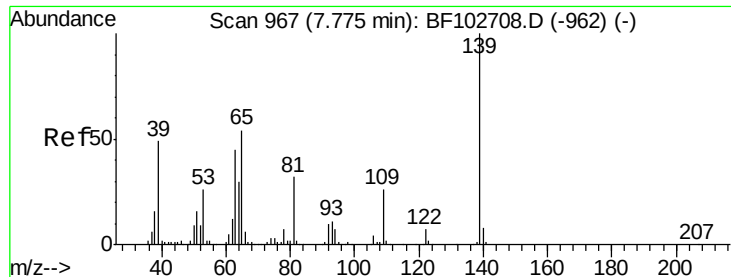


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

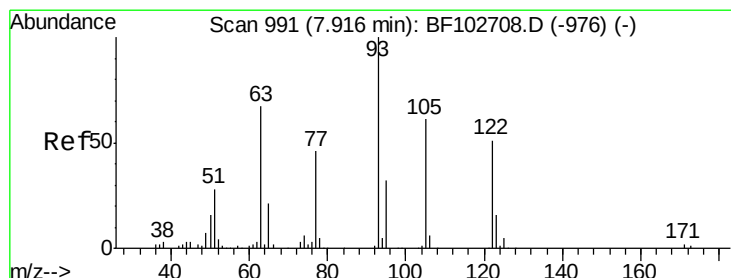
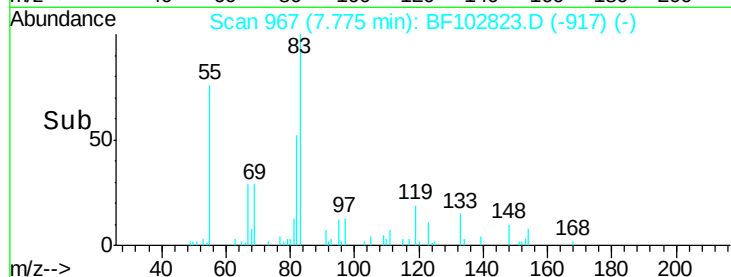
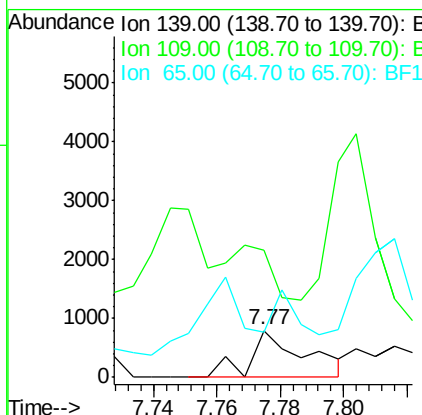
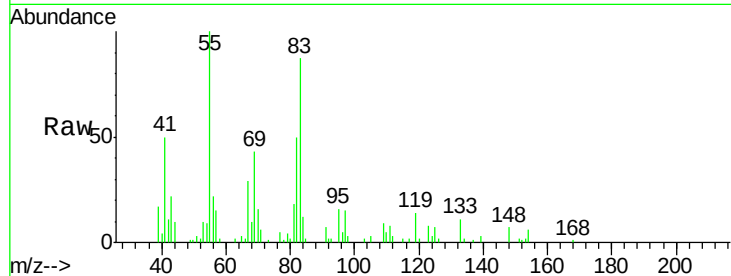




#26
2-Nitrophenol
Concen: 8.81 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

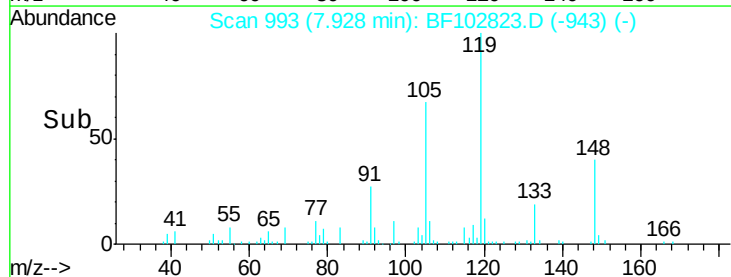
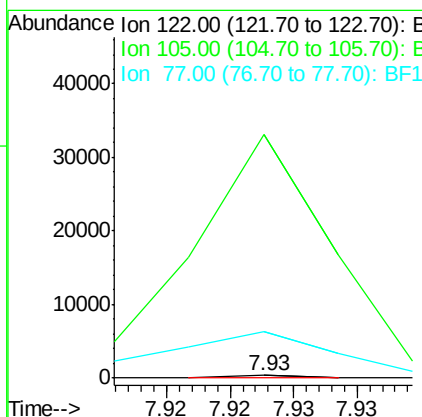
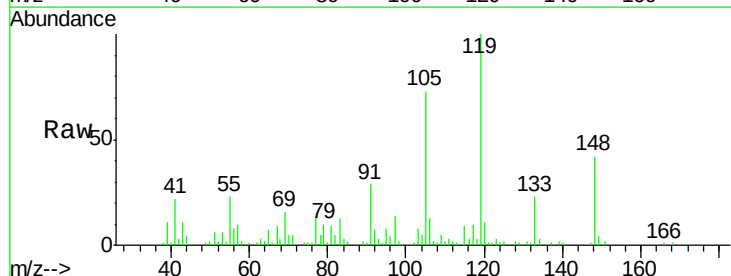
Instrument :
BNA_F
ClientSampled :

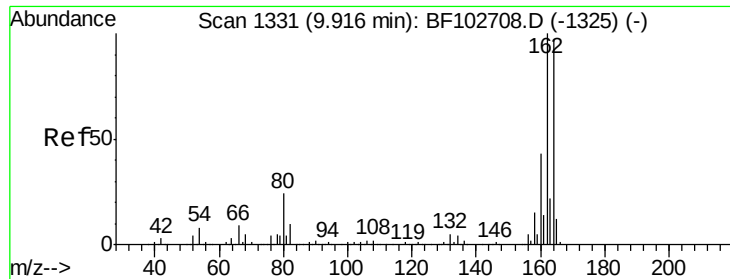
Tot Ion:139 Resp: 958
Ion Ratio Lower Upper
139 100
109 271.3 22.7 34.1#
65 96.4 40.5 60.7#



#32
Benzoic acid
Concen: 8.56 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

Tgt Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 10092.7 101.1 141.1#
77 1911.0 70.7 110.7#

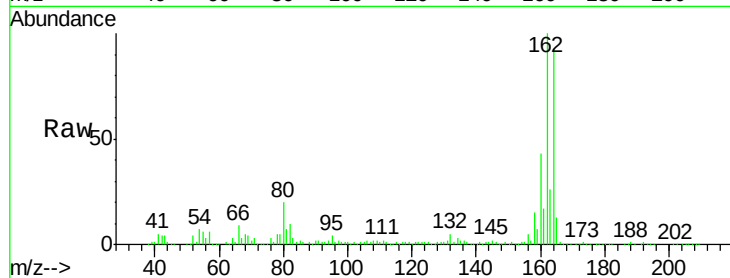




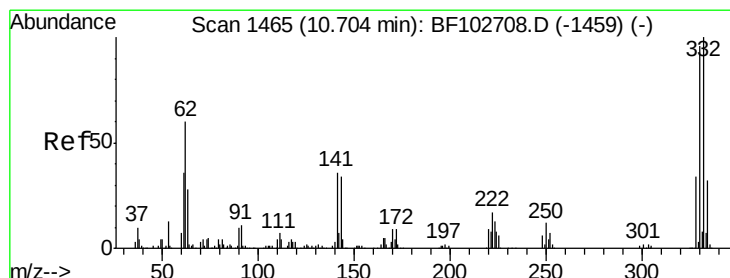
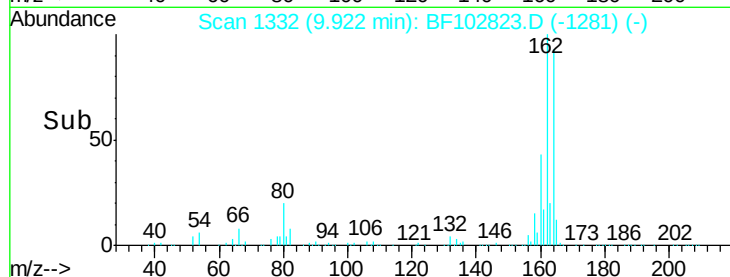
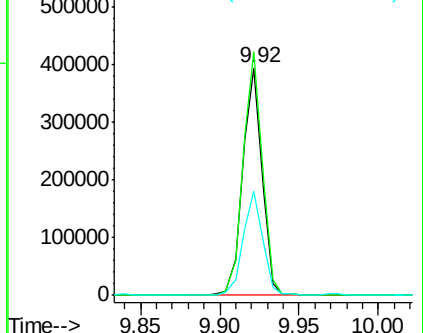
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102823.D
 Acq: 7 Feb 2018 19:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 330509
 Ion Ratio Lower Upper
 164 100
 162 107.3 86.1 129.1
 160 45.9 38.3 57.5

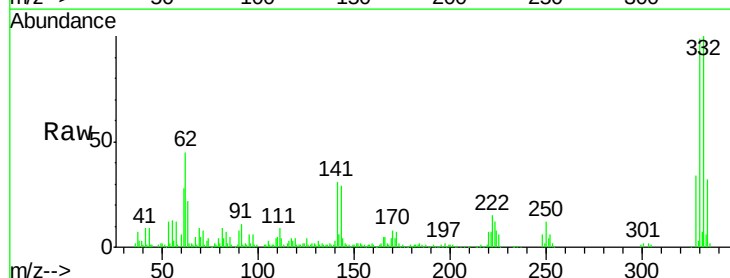


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

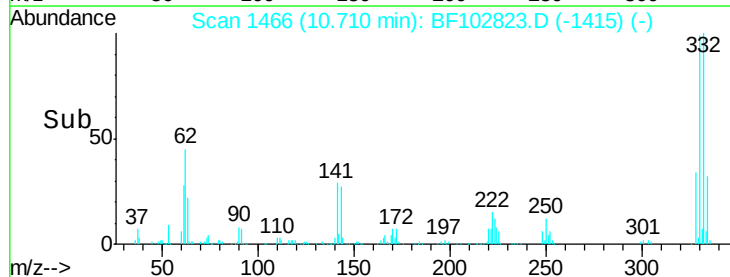
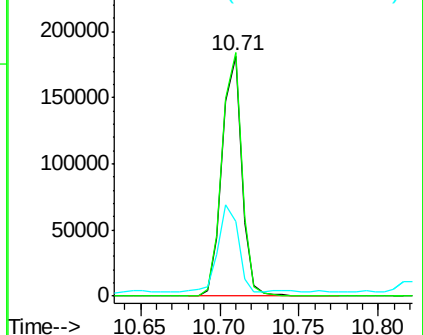


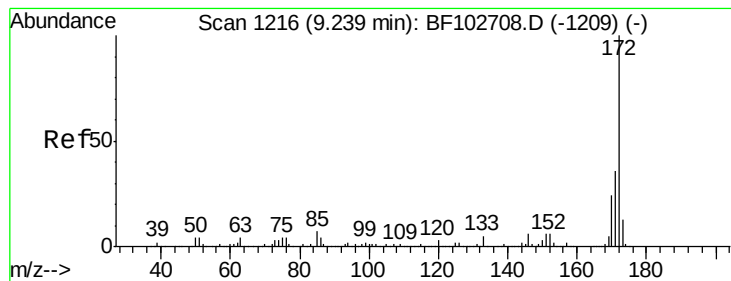
#41
 2,4,6-Tribromophenol
 Concen: 59.28 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF102823.D
 Acq: 7 Feb 2018 19:26

Tgt Ion:330 Resp: 157695
 Ion Ratio Lower Upper
 330 100
 332 102.5 77.0 115.6
 141 37.6 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: 43.42 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

ClientSampleId :

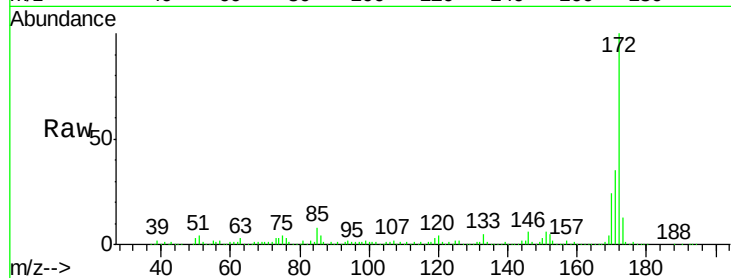
Tot Ion:172 Resp: 864818

Ion Ratio Lower Upper

172 100

171 35.3 29.7 44.5

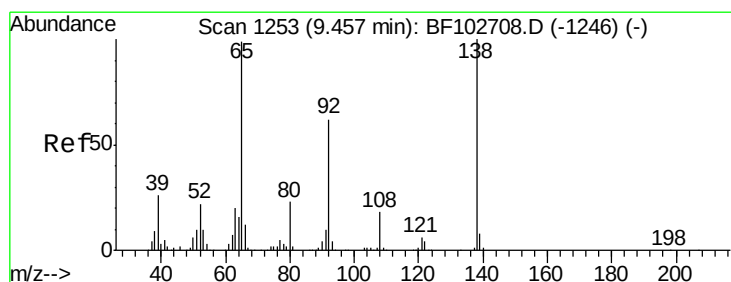
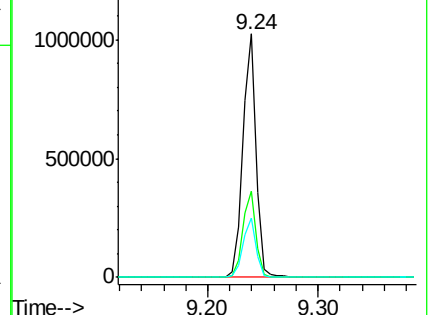
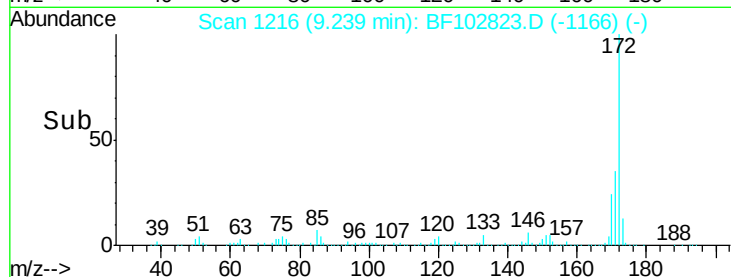
170 24.2 19.6 29.4



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



#47

2-Nitroaniline

Concen: 3.56 ng

RT: 9.47 min Scan# 1256

Delta R.T. 0.01 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

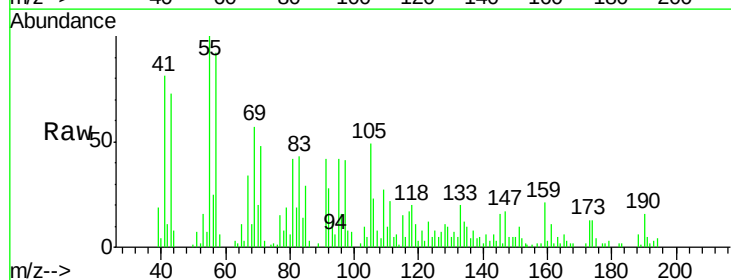
Tgt Ion: 65 Resp: 659

Ion Ratio Lower Upper

65 100

92 248.9 55.8 83.6#

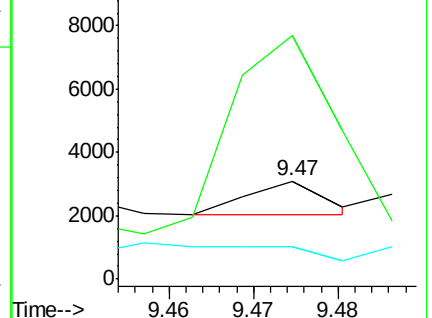
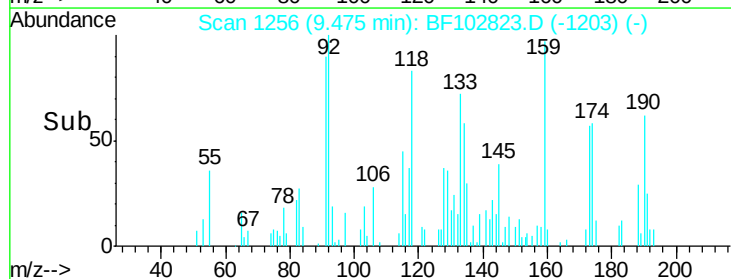
138 33.4 91.2 136.8#

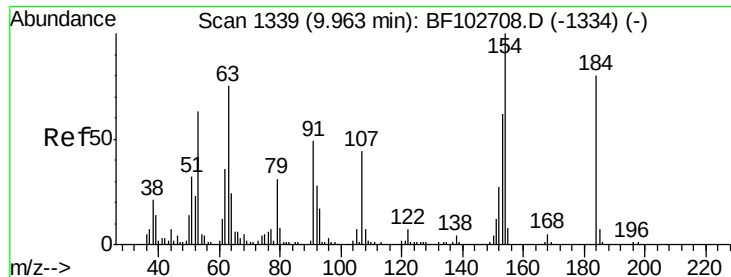


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#53

2,4-Dinitrophenol

Concen: 8.32 ng

RT: 10.16 min Scan# 1373

Delta R.T. 0.19 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

ClientSampleId :

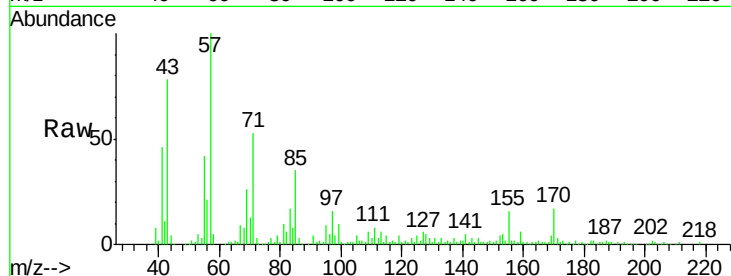
Tot Ion:184 Resp: 344

Ion Ratio Lower Upper

184 100

63 292.6 54.2 81.2#

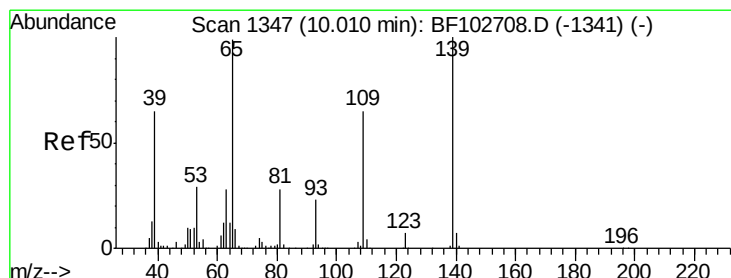
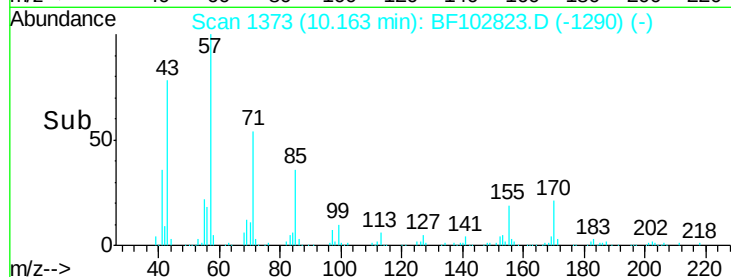
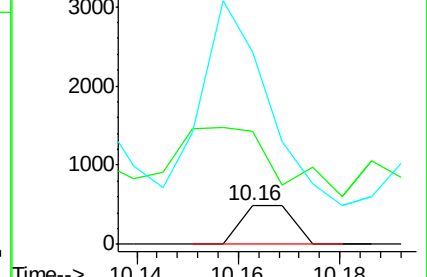
154 498.2 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 4.47 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

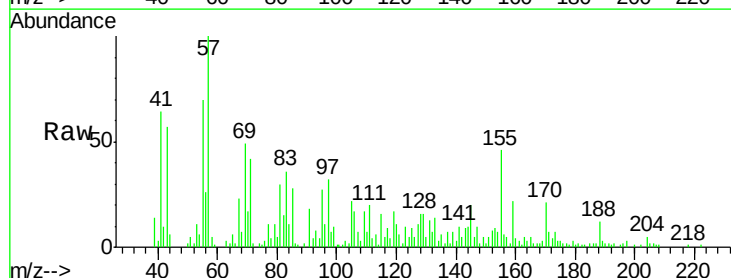
Tgt Ion:139 Resp: 2310

Ion Ratio Lower Upper

139 100

109 242.1 48.4 88.4#

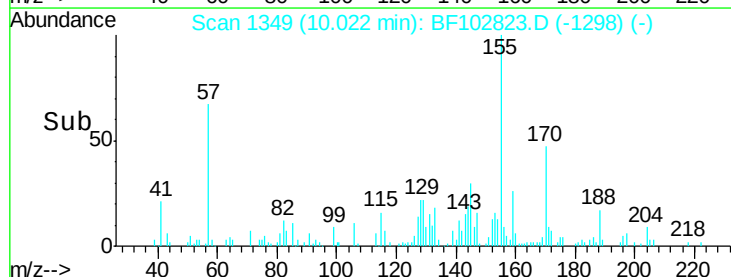
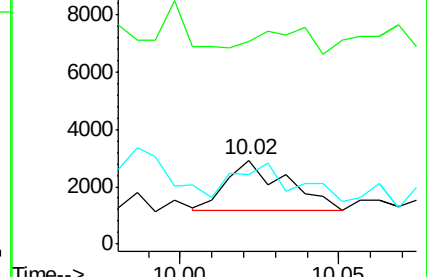
65 83.5 72.6 112.6

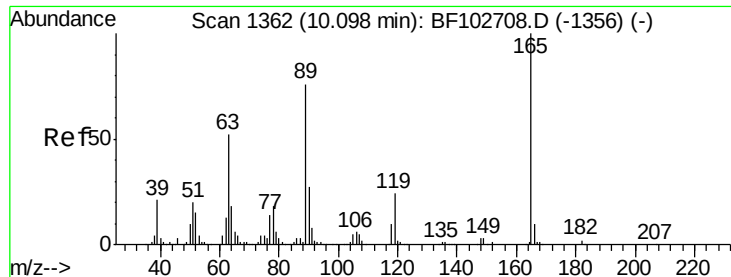


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

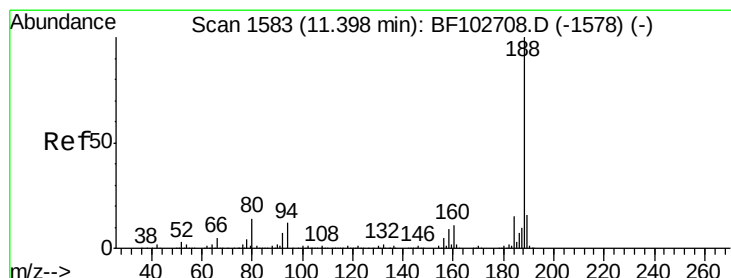
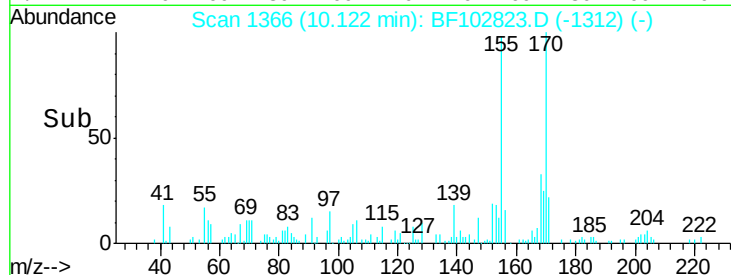
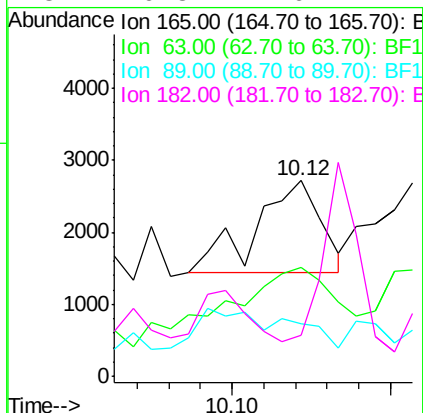
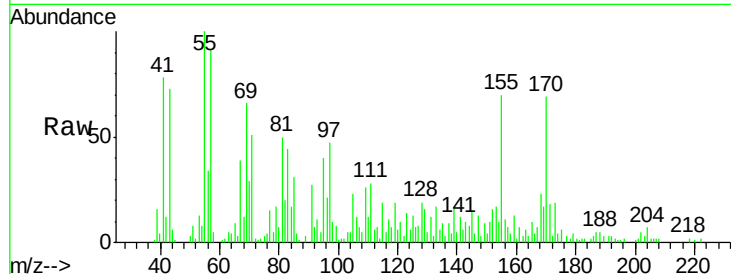




#56
2,4-Dinitrotoluene
Concen: 3.34 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.02 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

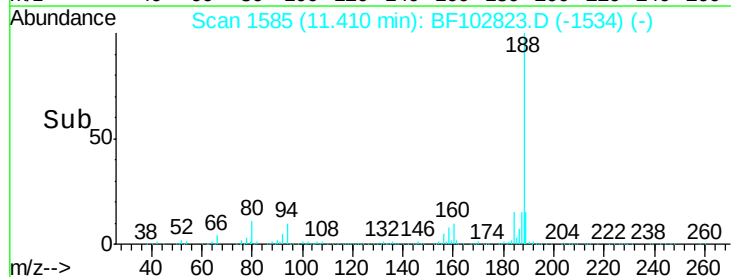
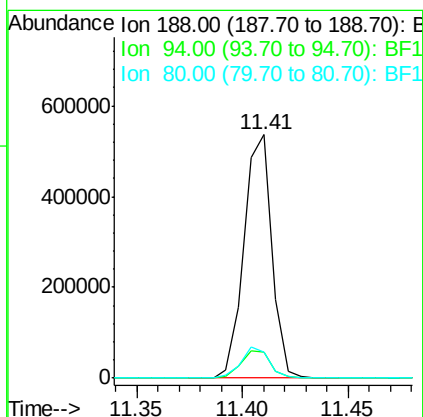
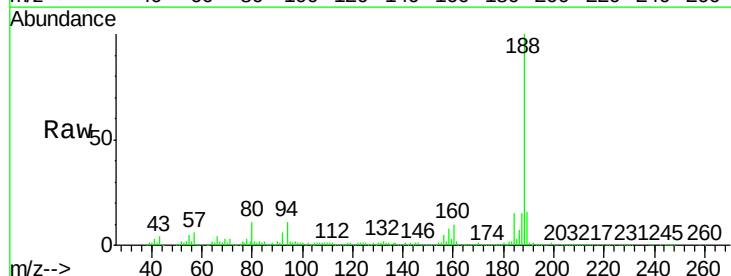
Instrument :
BNA_F
ClientSampleId :

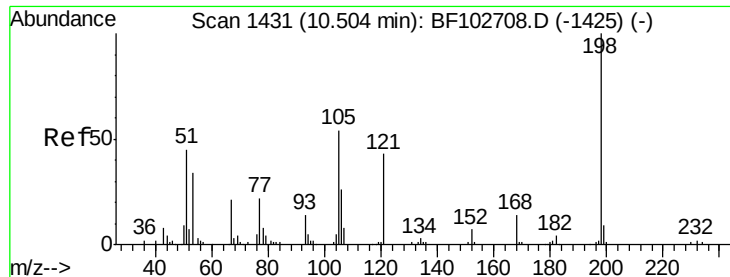
Tot Ion:165 Resp: 1832
Ion Ratio Lower Upper
165 100
63 56.0 36.4 54.6#
89 27.1 57.8 86.6#
182 20.8 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

Tgt Ion:188 Resp: 489401
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 10.9 9.2 13.8

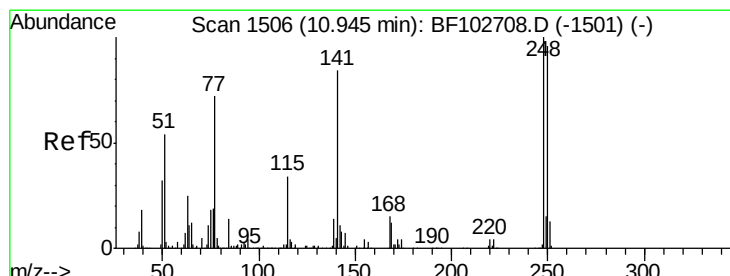
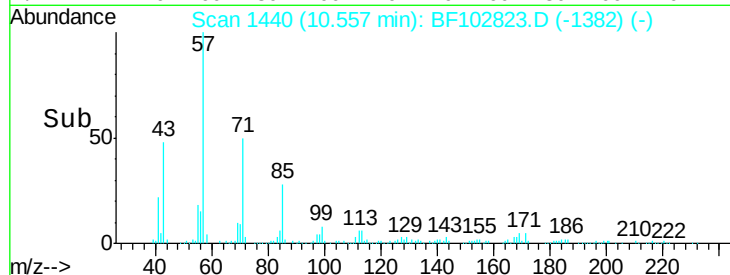
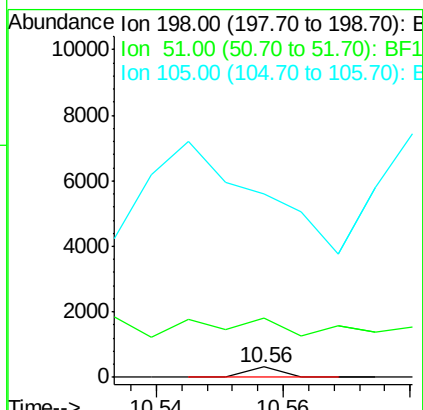
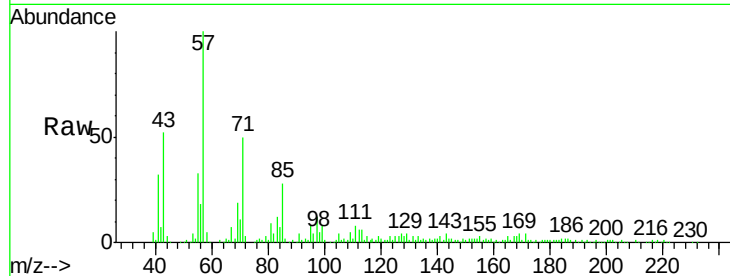




#64
4,6-Dinitro-2-methylphenol
Concen: 8.84 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.04 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

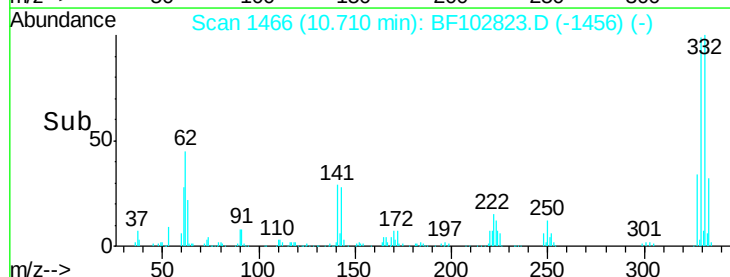
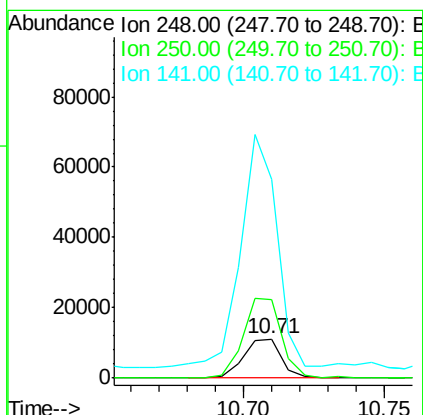
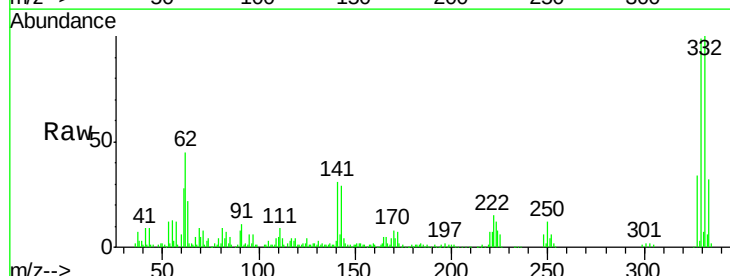
Instrument :
BNA_F
ClientSampleId :

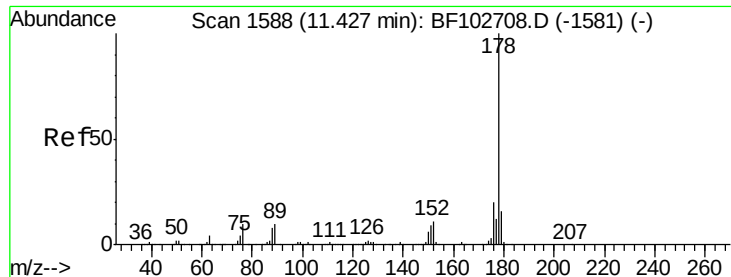
Tot Ion:198 Resp: 109
Ion Ratio Lower Upper
198 100
51 579.7 37.7 77.7#
105 1802.6 36.3 76.3#



#66
4-Bromophenyl-phenylether
Concen: 2.03 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

Tgt Ion:248 Resp: 10489
Ion Ratio Lower Upper
248 100
250 200.3 76.9 115.3#
141 506.7 74.4 111.6#





#70

Phenanthrene

Concen: 2.34 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

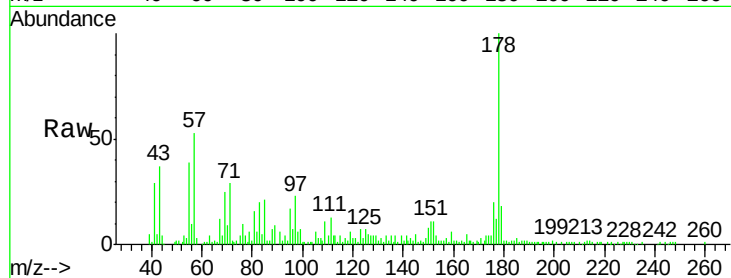
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 63893

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	17.7	13.0	19.6

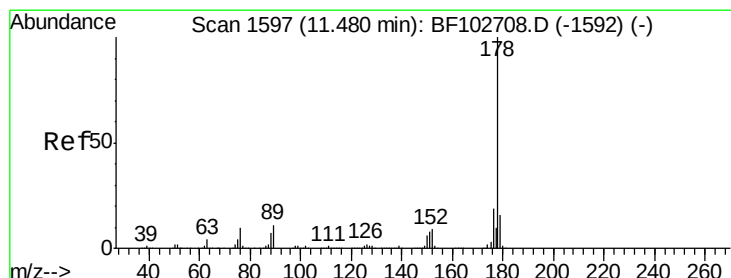
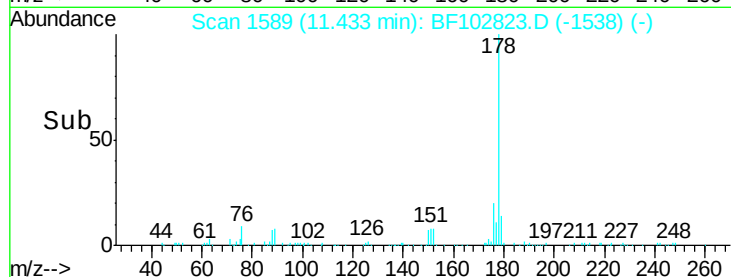
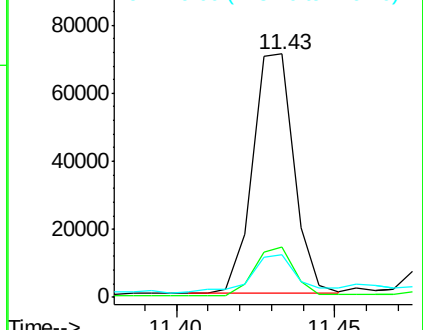


Abundance

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



#71

Anthracene

Concen: 2.30 ng

RT: 11.43 min Scan# 1589

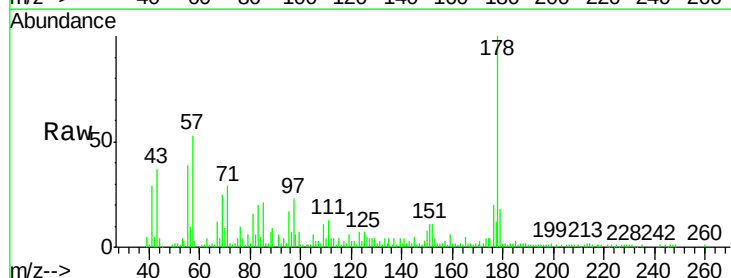
Delta R.T. -0.05 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Tgt Ion:178 Resp: 63893

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.4	23.2
179	17.7	12.6	19.0

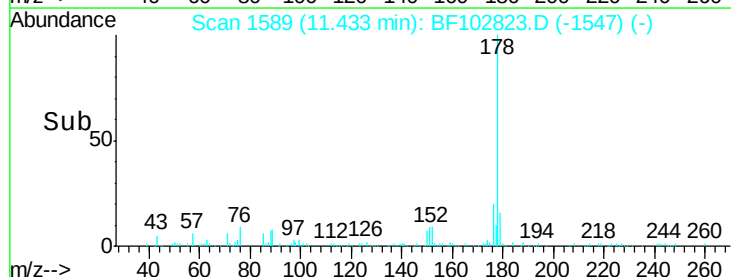
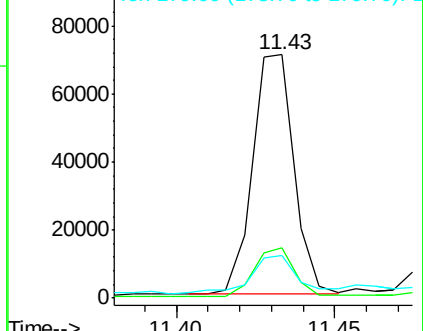


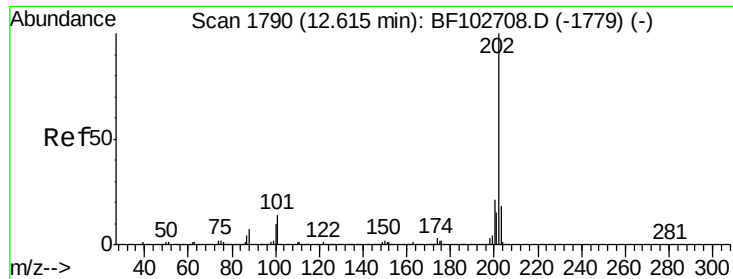
Abundance

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





#74

Fluoranthene

Concen: 3.15 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

ClientSampleId :

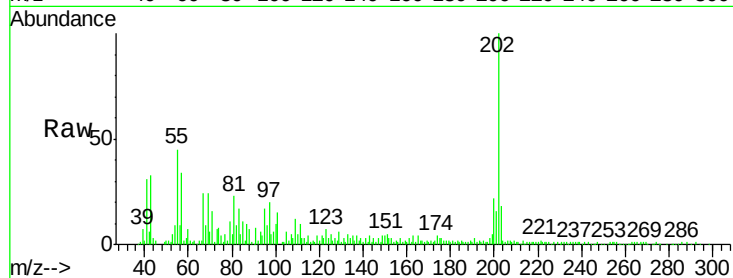
Tot Ion:202 Resp: 86333

Ion Ratio Lower Upper

202 100

101 15.4 0.0 34.1

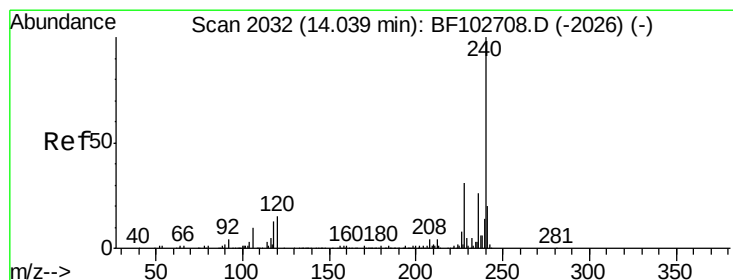
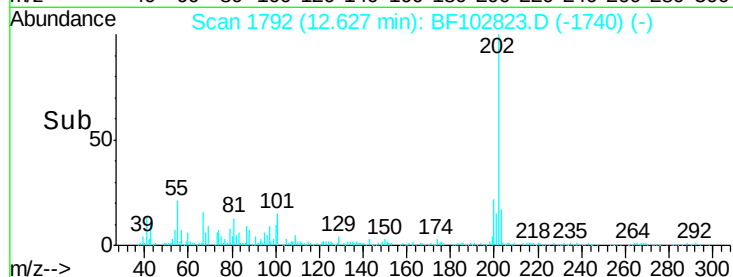
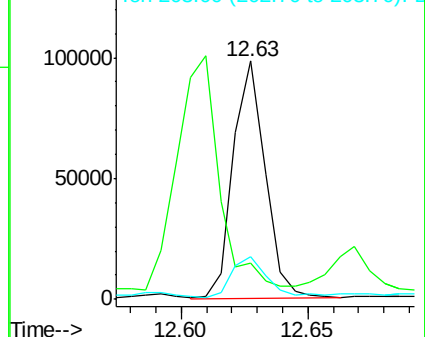
203 17.8 0.0 38.1



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: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

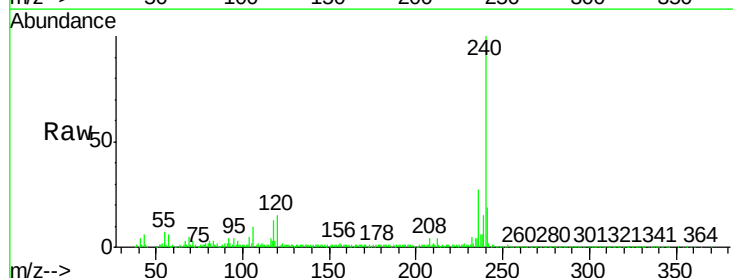
Tgt Ion:240 Resp: 353451

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

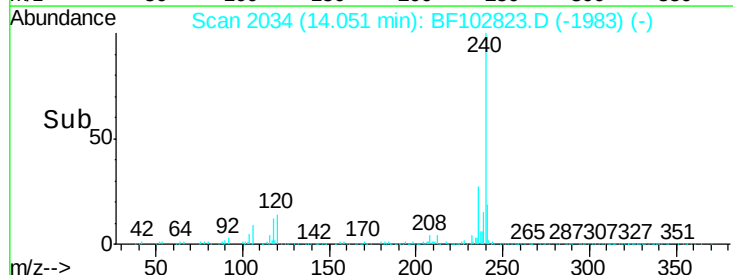
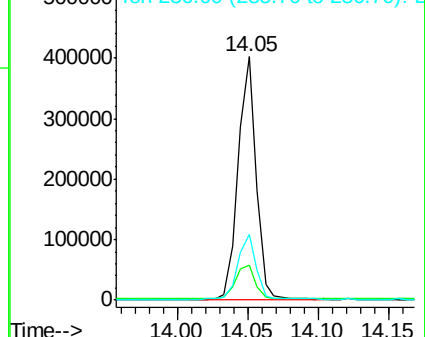
236 27.1 20.7 31.1

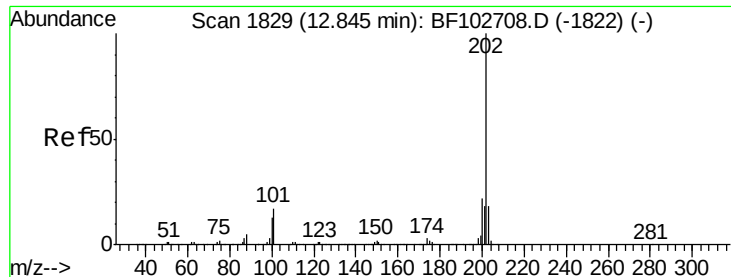


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.06 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF102823.D

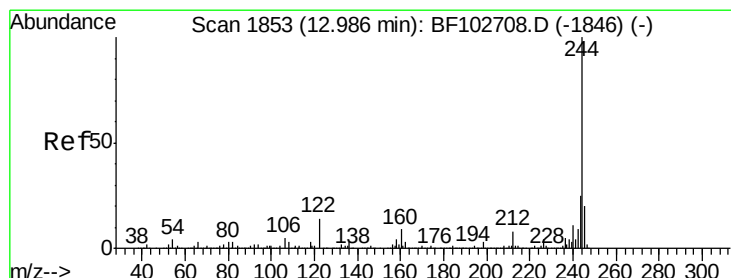
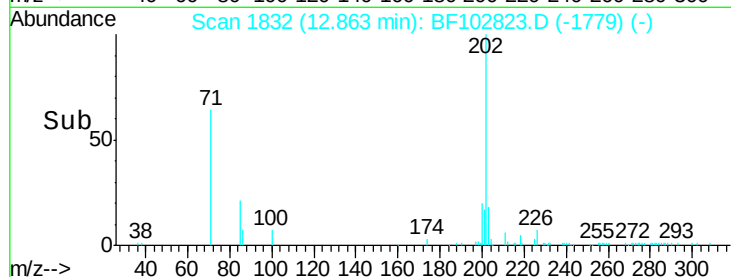
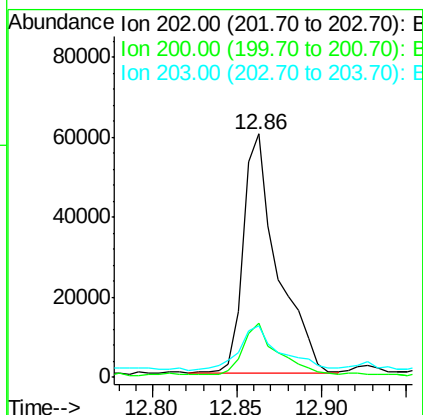
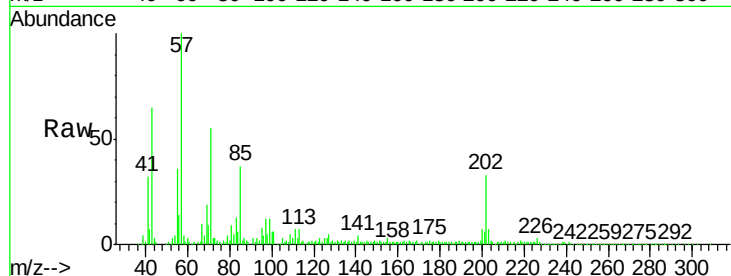
Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	84918
Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	21.0	14.3	21.5



#78

Terphenyl-d14

Concen: 39.74 ng

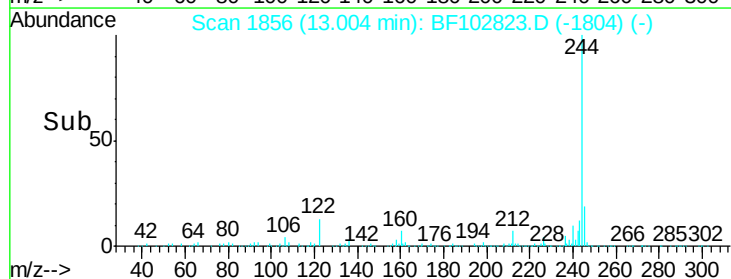
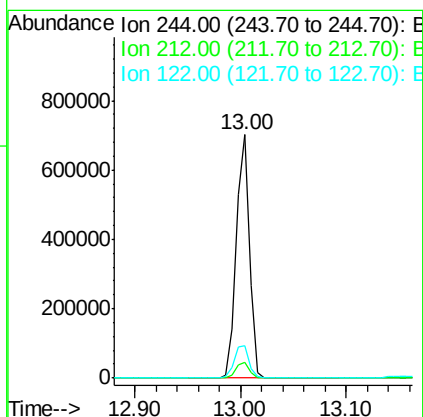
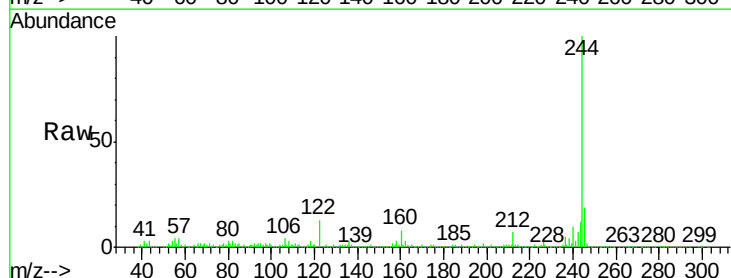
RT: 13.00 min Scan# 1856

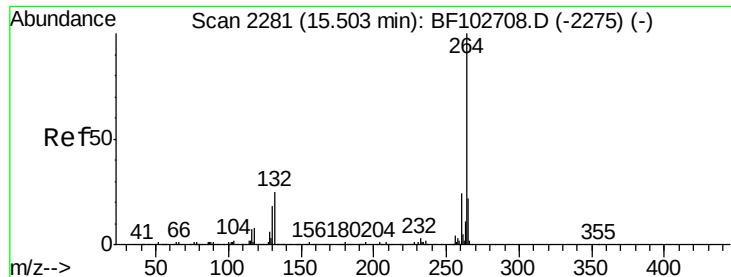
Delta R.T. 0.01 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Tgt Ion:	244	Resp:	593250
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.5	11.0	16.4

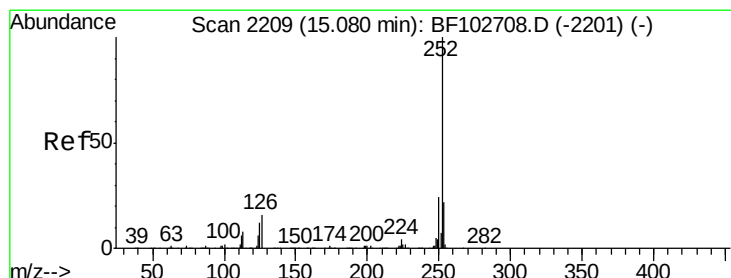
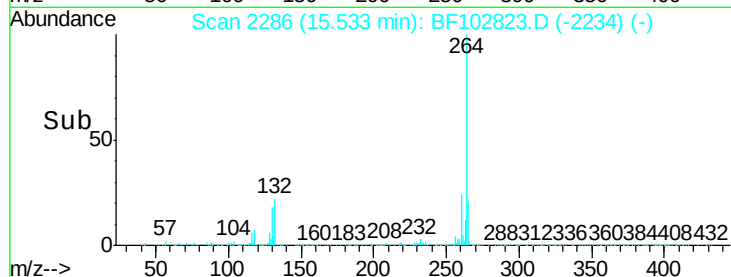
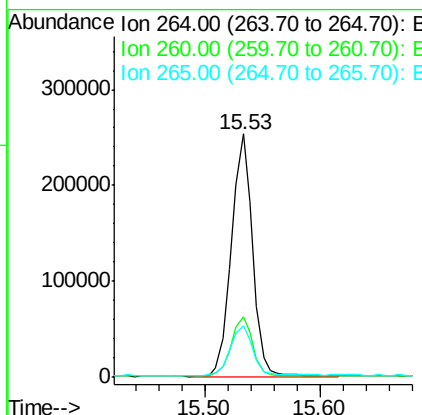
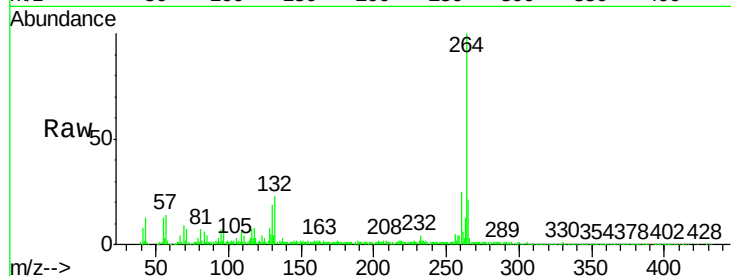




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

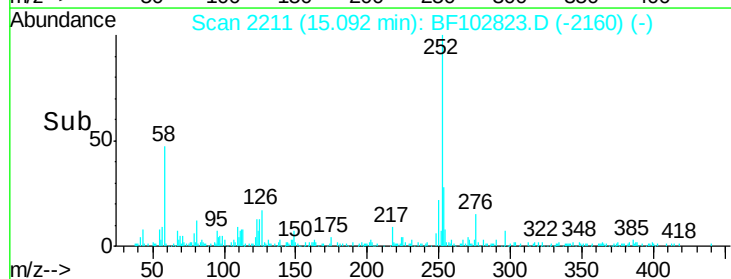
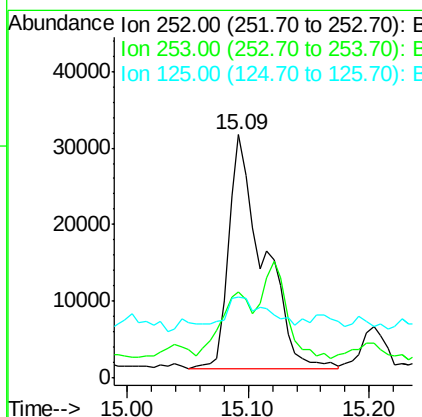
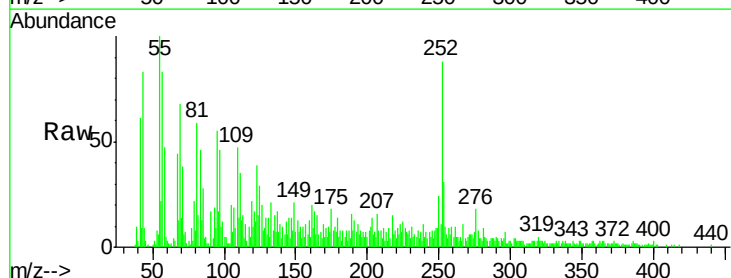
Instrument :
BNA_F
ClientSampleId :

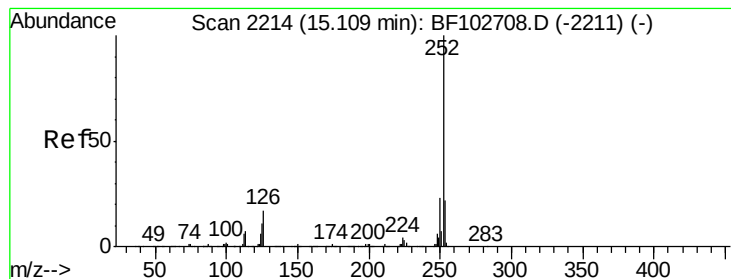
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.92 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF102823.D
Acq: 7 Feb 2018 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.6	17.0	25.6#
125	33.5	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 3.06 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.03 min

Lab File: BF102823.D

Acq: 7 Feb 2018 19:26

Instrument :

BNA_F

ClientSampleId :

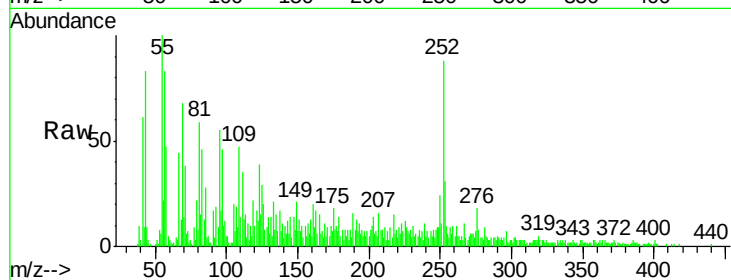
Tot Ion:252 Resp: 60868

Ion Ratio Lower Upper

252 100

253 35.6 17.9 26.9#

125 33.5 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

