

Data Path : U:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102665.D
 Acq On : 31 Jan 2018 20:03
 Operator : SJ/JU
 Sample : J1015-24 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

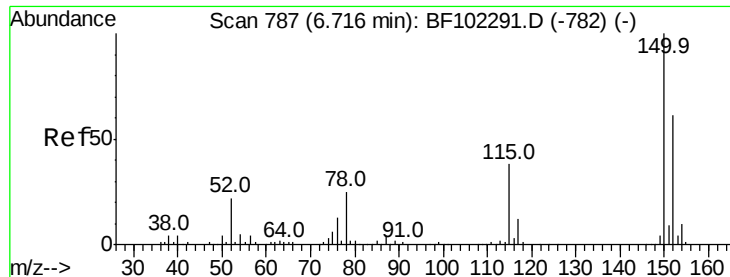
Quant Time: Feb 01 00:01:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	134652	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	518573	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	191265	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	269657	20.00	ng	0.00
75) Chrysene-d12	13.86	240	267930	20.00	ng	0.00
86) Perylene-d12	15.29	264	264049	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	196401	22.12	ng	0.00
7) Phenol-d6	6.35	99	232377	21.70	ng	0.00
23) Nitrobenzene-d5	7.27	82	131726	14.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	30054	15.86	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	233677	17.96	ng	0.00
78) Terphenyl-d14	12.80	244	168216	14.15	ng	-0.01

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.27	70	16892	2.578	ng	# 79
25) Isophorone	7.27	82	131725	8.188	ng	# 64
50) 2,6-Dinitrotoluene	9.73	165	23955	7.028	ng	# 26
51) Acenaphthene	9.77	154	27316	2.258	ng	98
55) 4-Nitrophenol	9.95	139	9122	3.427	ng	# 13
56) 2,4-Dinitrotoluene	9.73	165	23955	5.715	ng	# 24
57) Fluorene	10.29	166	33888	2.613	ng	99
70) Phenanthrene	11.25	178	352707	22.446	ng	98
71) Anthracene	11.30	178	94869	5.915	ng	98
72) Carbazole	11.46	167	47968	3.066	ng	98
74) Fluoranthene	12.43	202	492992	30.766	ng	99
77) Pvrene	12.66	202	453276	21.881	ng	100
80) Benzo(a)anthracene	13.85	228	242681	14.712	ng	99
82) Chrysene	13.89	228	245408	14.650	ng	98
85) Indeno(1,2,3-cd)pyrene	16.68	276	99718	7.208	ng	96
87) Benzo(b)fluoranthene	14.88	252	383122	22.386	ng	# 92
88) Benzo(k)fluoranthene	14.88	252	383122	23.694	ng	# 95
89) Benzo(a)pyrene	15.23	252	208915	13.535	ng	# 93
91) Benzo(a,h,i)perylene	17.10	276	100661	8.154	ng	97

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

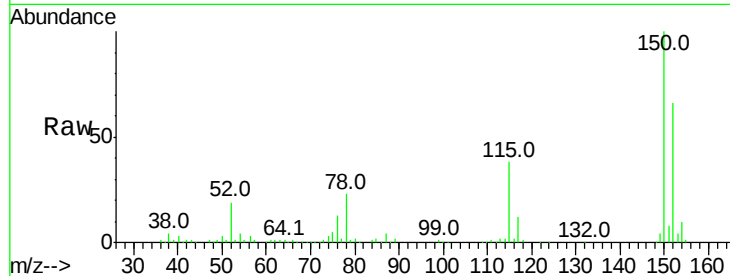


#1

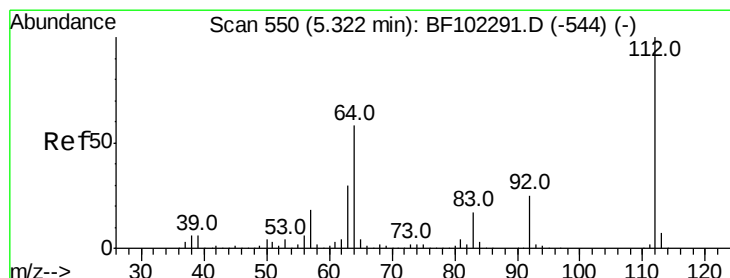
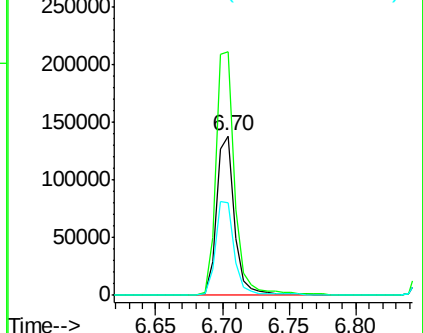
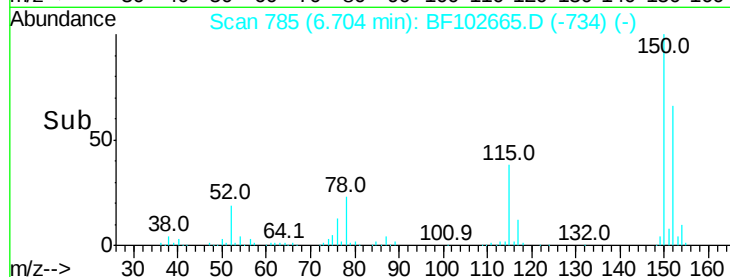
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 134652
 Ion Ratio Lower Upper
 152 100
 150 152.6 124.6 186.8
 115 57.7 50.1 75.1



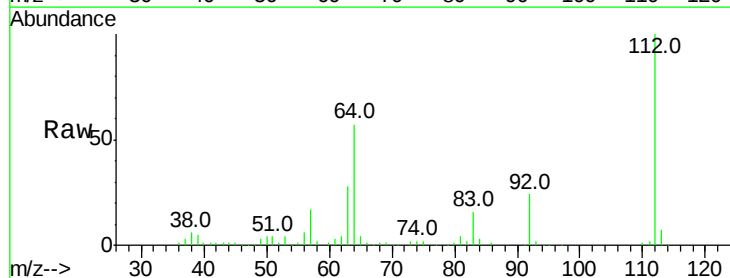
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



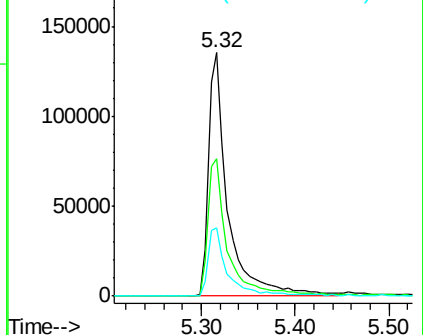
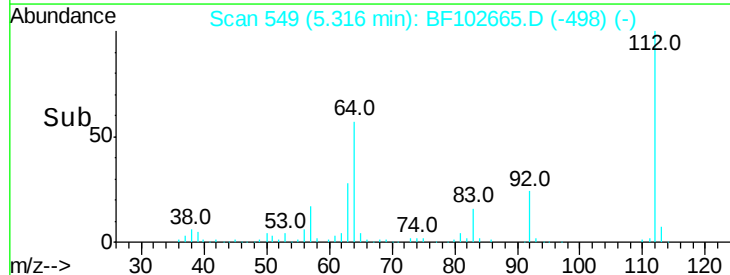
#5

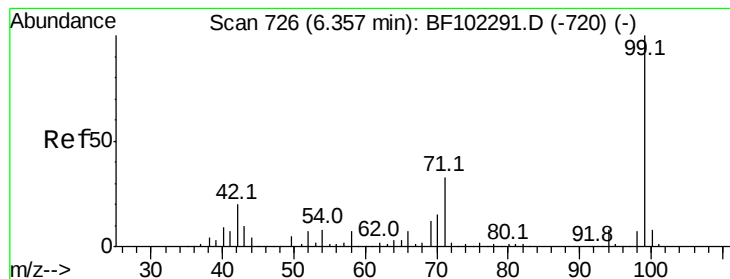
2-Fluorophenol
 Concen: 22.116 ng
 RT: 5.32 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

Tgt Ion:112 Resp: 196401
 Ion Ratio Lower Upper
 112 100
 64 56.6 47.9 71.9
 63 28.3 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: 21.705 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

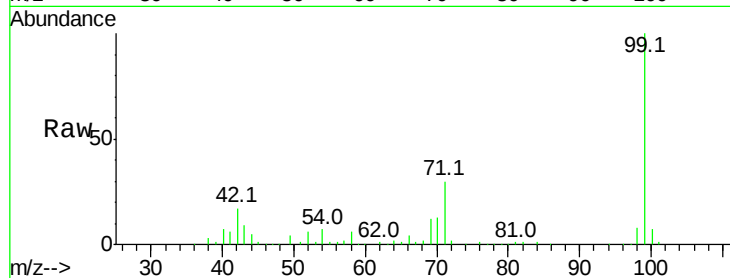
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 232377

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.5	21.7
71	30.1	25.4	38.0

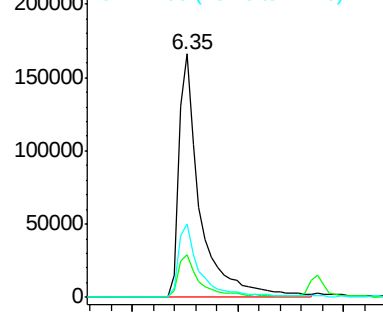


Abundance

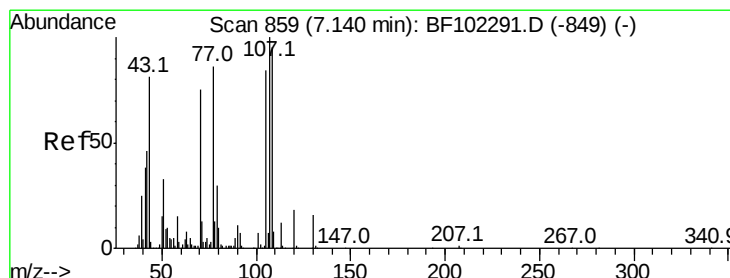
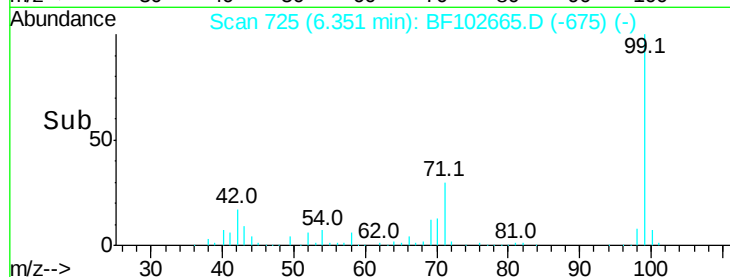
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 2.578 ng

RT: 7.27 min Scan# 881

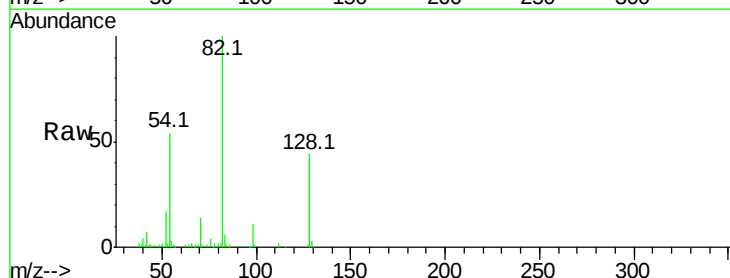
Delta R.T. 0.14 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Tgt Ion: 70 Resp: 16892

Ion	Ratio	Lower	Upper
70	100		
42	49.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



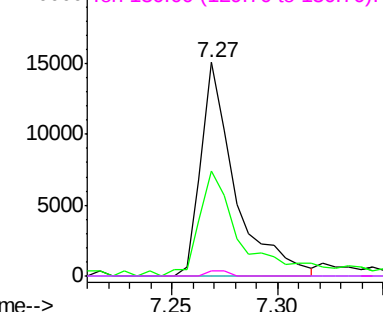
Abundance

Ion 70.00 (69.70 to 70.70): BF1

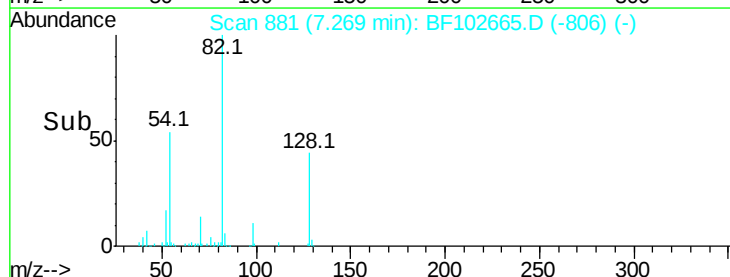
Ion 42.00 (41.70 to 42.70): BF1

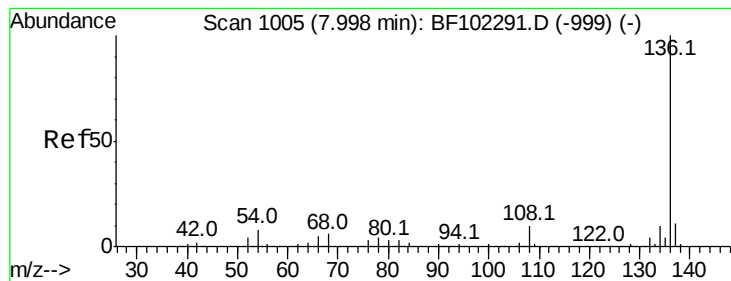
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 518573

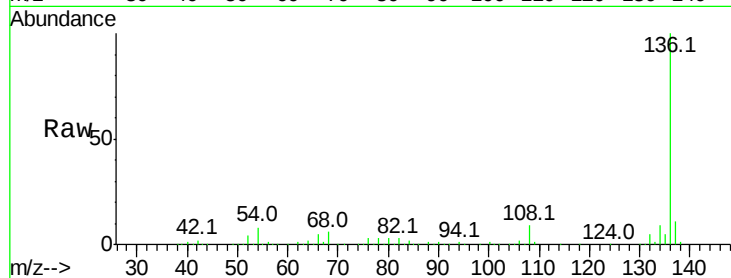
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.7 6.6 9.8

68 5.5 5.0 7.4

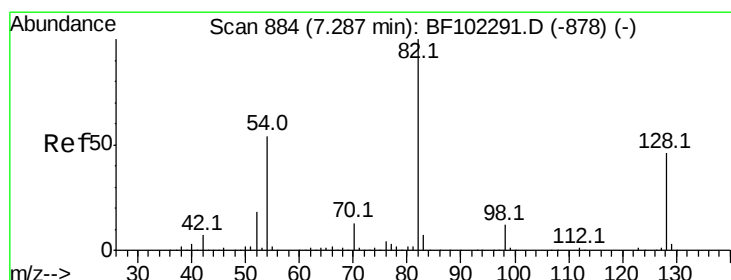
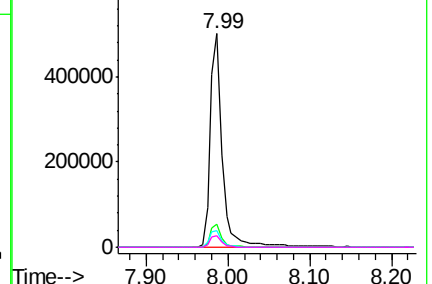
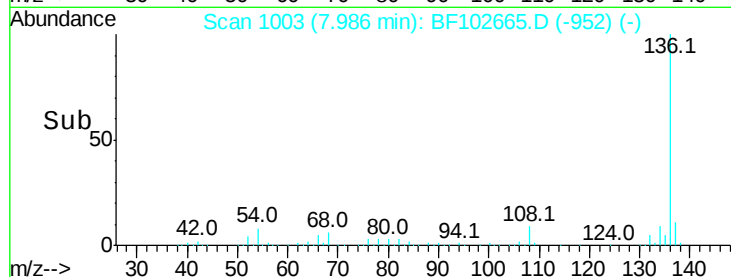


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.598 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

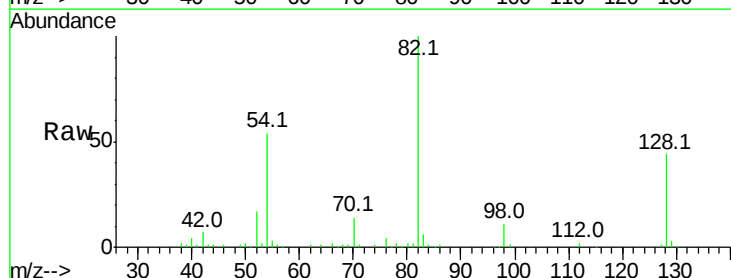
Tgt Ion: 82 Resp: 131726

Ion Ratio Lower Upper

82 100

128 43.7 36.1 54.1

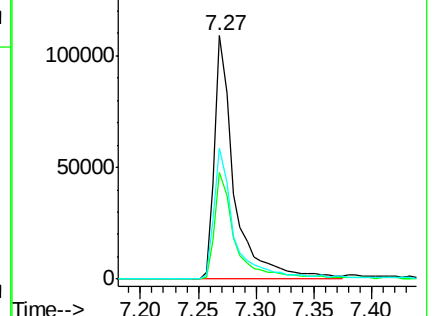
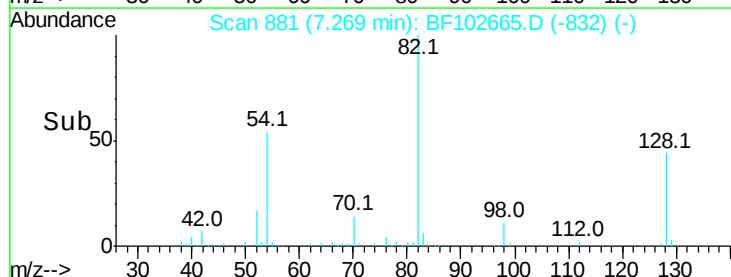
54 53.8 41.4 62.2

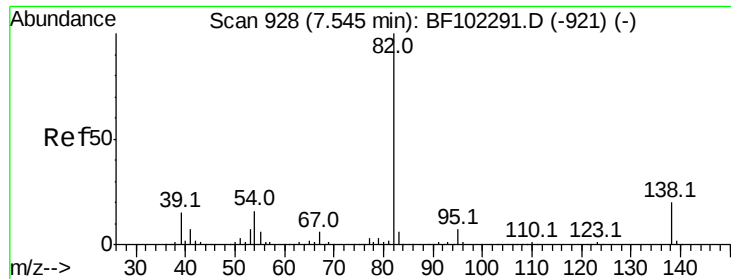


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.188 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

ClientSampled :

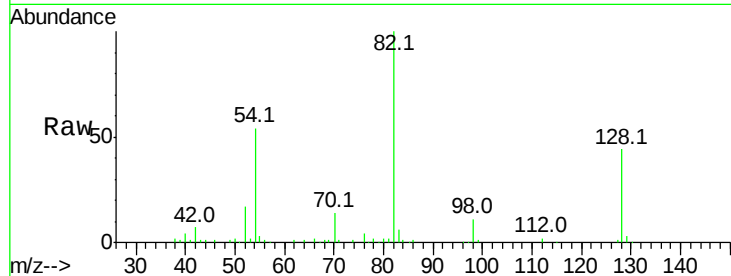
Tot Ion: 82 Resp: 131725

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

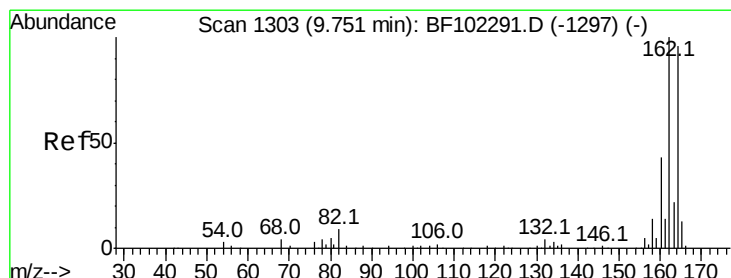
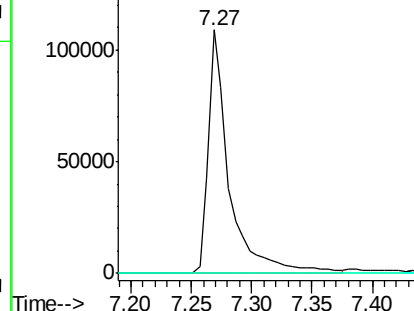
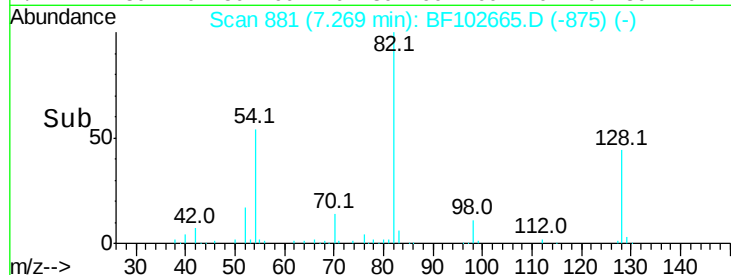
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

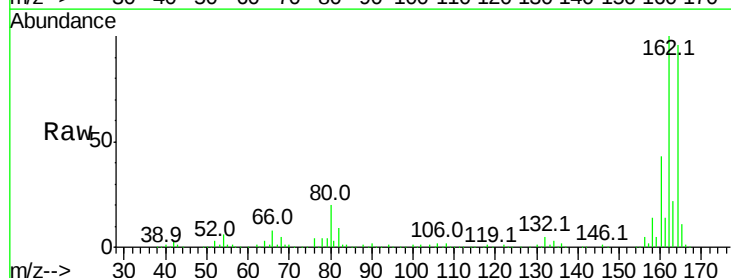
Tgt Ion:164 Resp: 191265

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

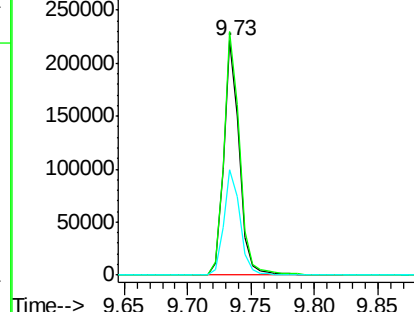
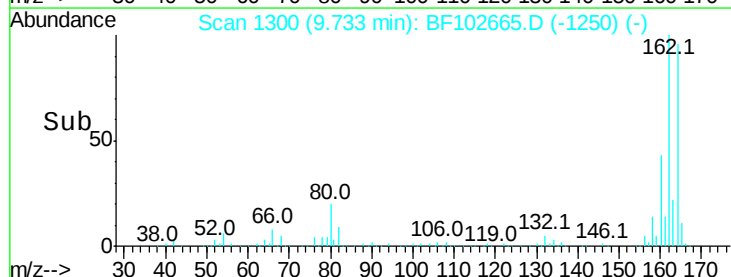
160 44.9 38.3 57.5

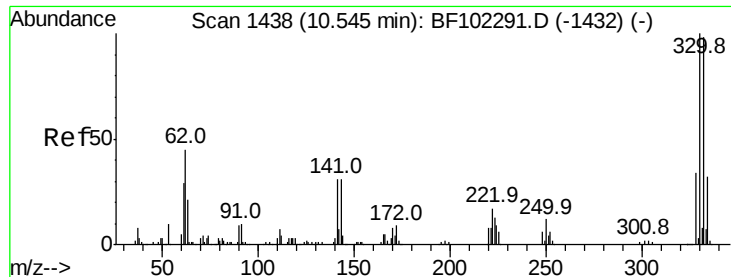


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 15.858 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

ClientSampleId :

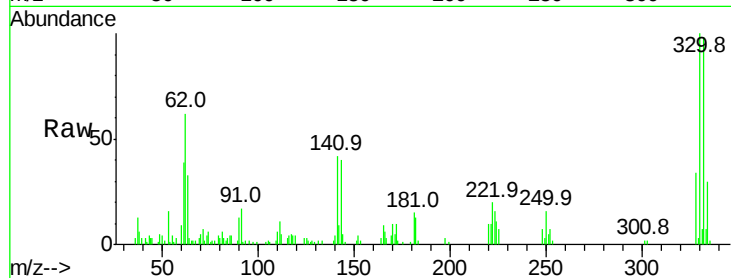
Tot Ion:330 Resp: 30054

Ion Ratio Lower Upper

330 100

332 99.5 77.0 115.6

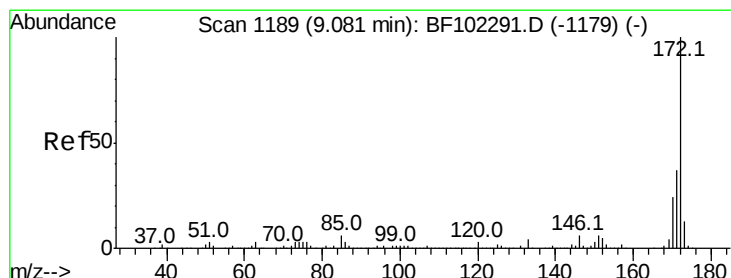
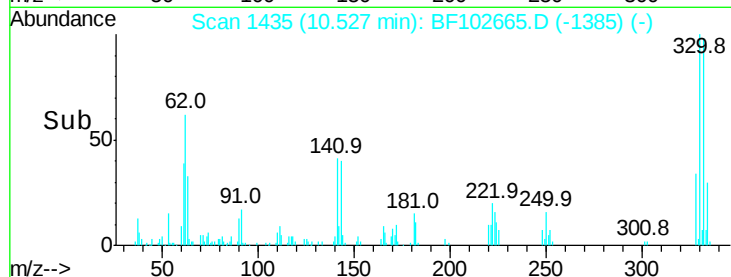
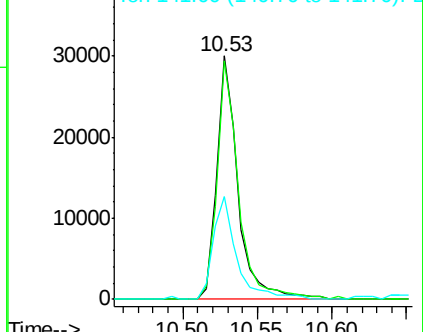
141 46.0 29.9 44.9#



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: 17.964 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

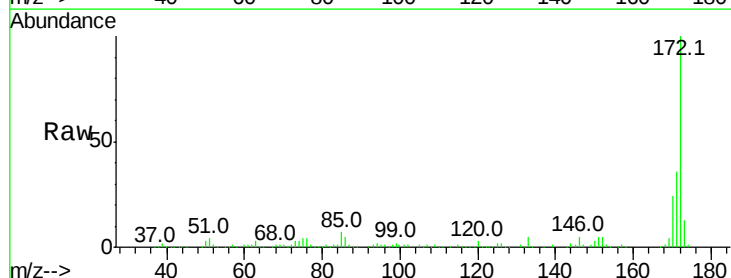
Tgt Ion:172 Resp: 233677

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

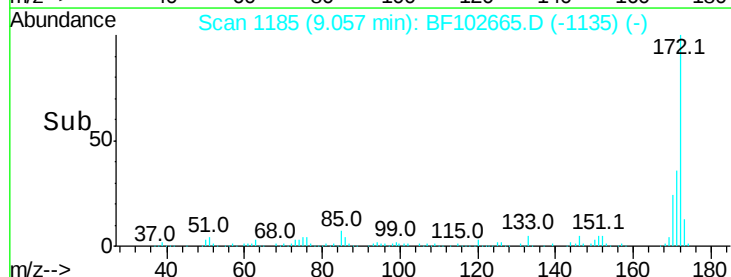
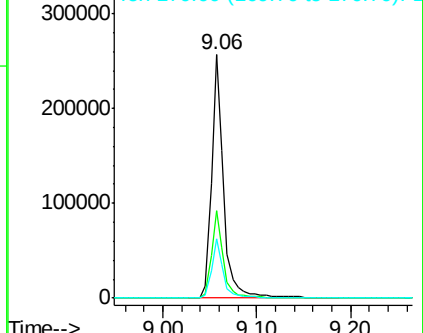
170 24.1 19.6 29.4

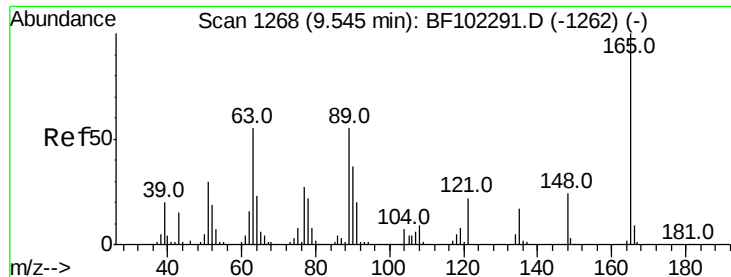


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

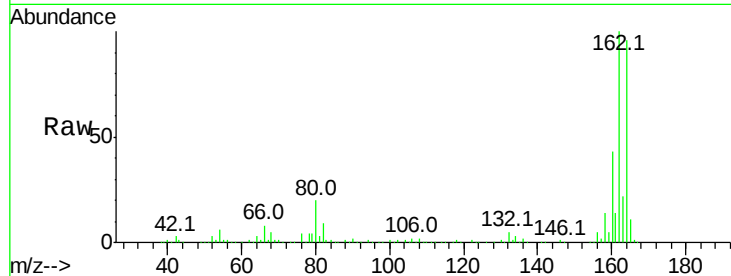




#50
2,6-Dinitrotoluene
Concen: 7.028 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.19 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Instrument :
BNA_F
ClientSampleId :

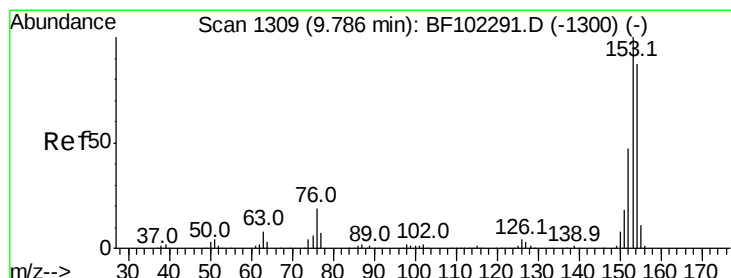
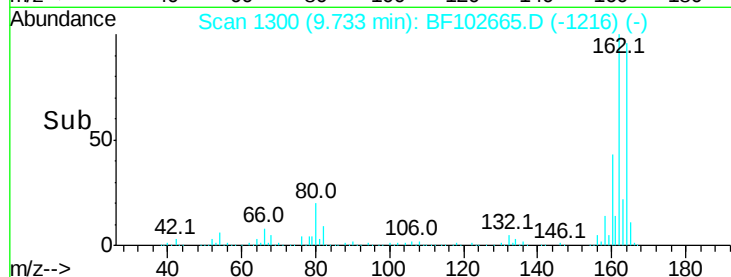
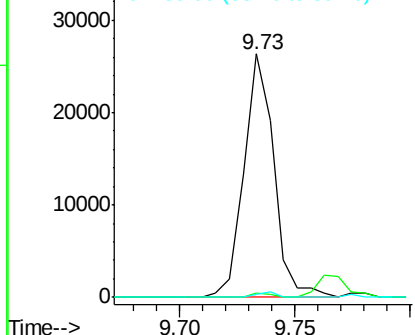
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

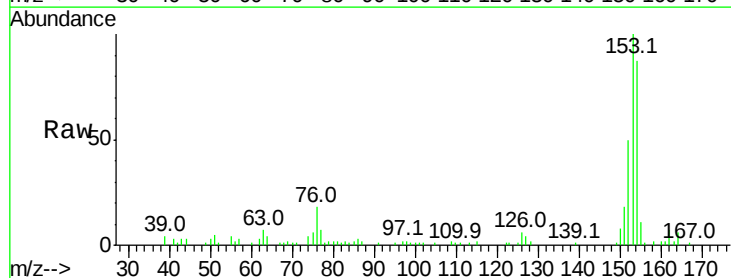
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#51
Acenaphthene
Concen: 2.258 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

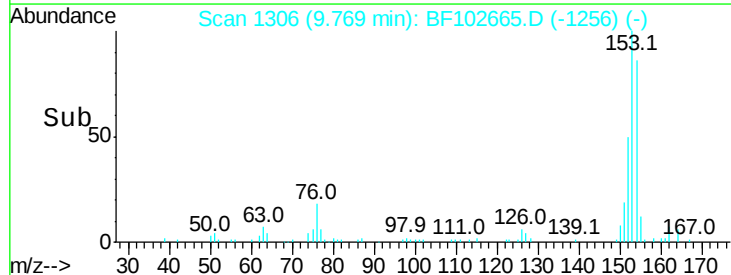
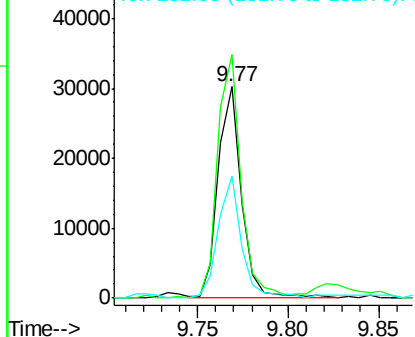
Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.2	136.8
152	57.9	43.8	65.8

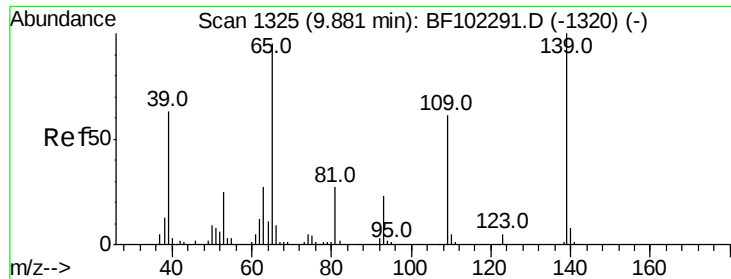


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

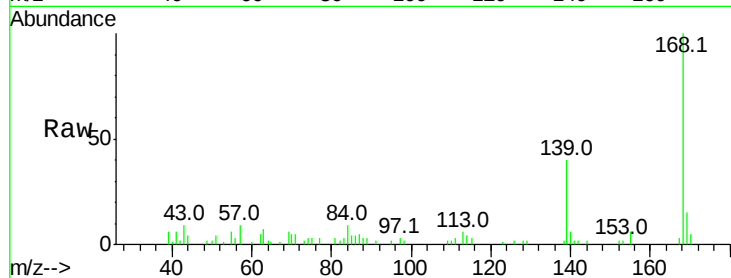




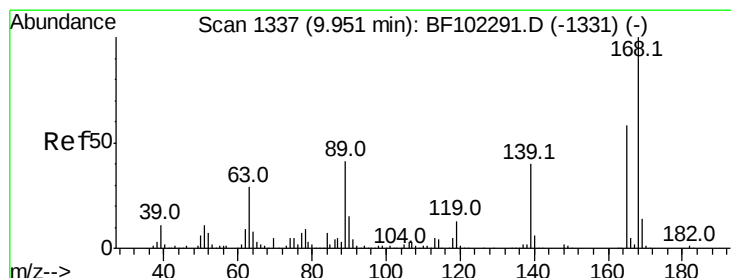
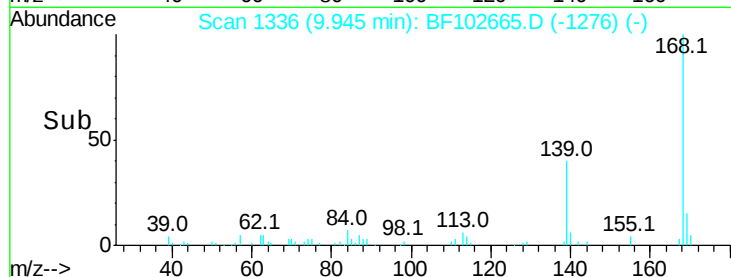
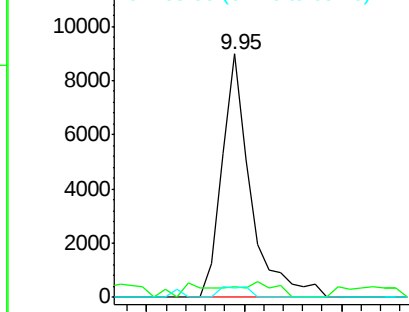
#55
4-Nitrophenol
Concen: 3.427 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.05 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 9122
Ion Ratio Lower Upper
139 100
109 4.2 48.4 88.4#
65 3.6 72.6 112.6#

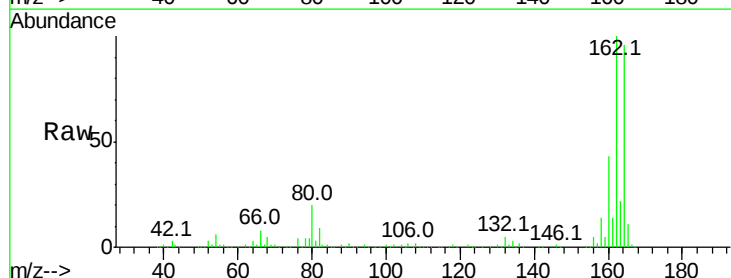


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

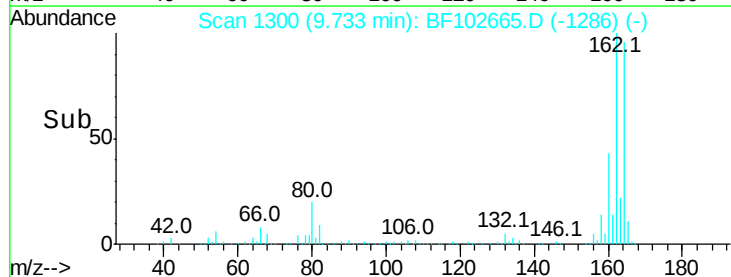
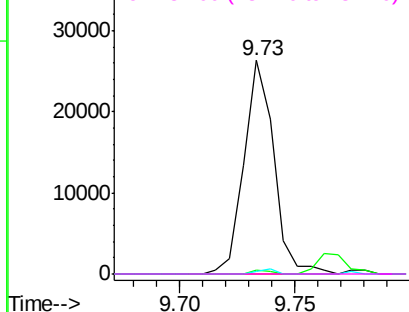


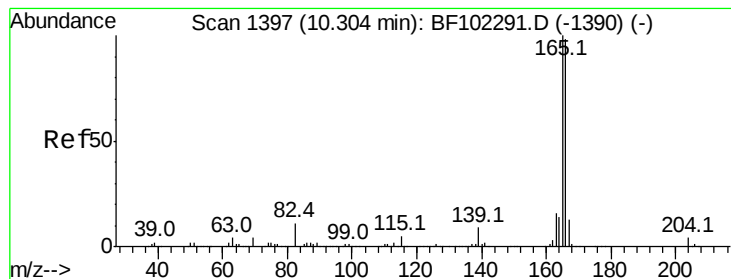
#56
2,4-Dinitrotoluene
Concen: 5.715 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.22 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Tgt Ion:165 Resp: 23955
Ion Ratio Lower Upper
165 100
63 1.9 36.4 54.6#
89 1.4 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





#57

Fluorene

Concen: 2.613 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

ClientSampleId :

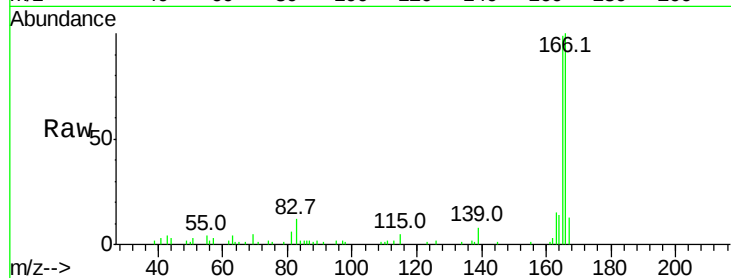
Tot Ion:166 Resp: 33888

Ion Ratio Lower Upper

166 100

165 99.0 79.8 119.8

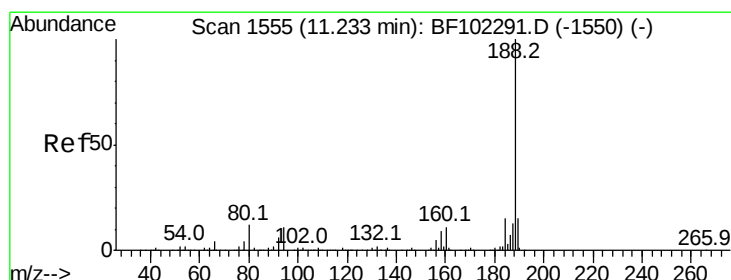
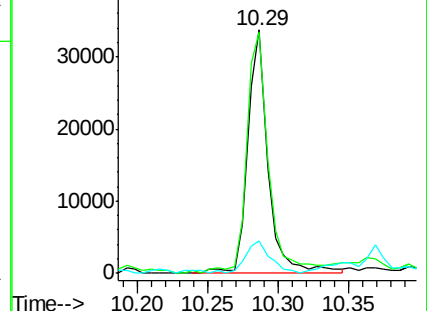
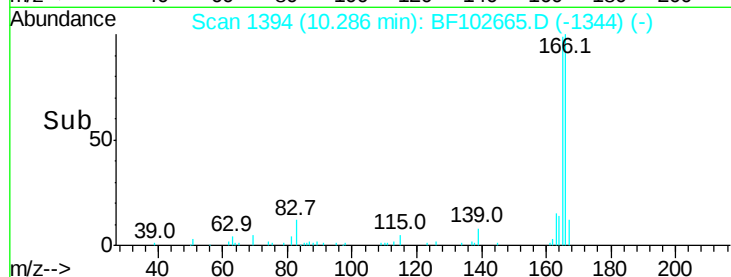
167 13.3 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

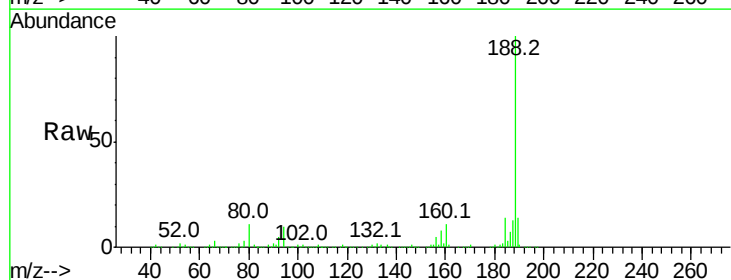
Tgt Ion:188 Resp: 269657

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

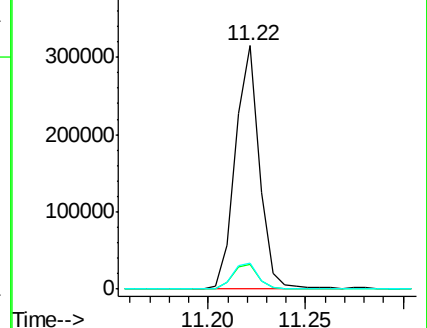
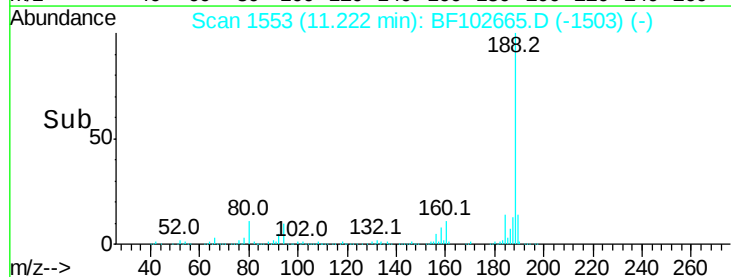
80 10.6 9.2 13.8

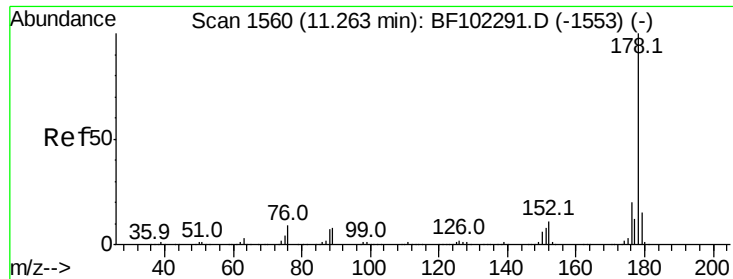


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

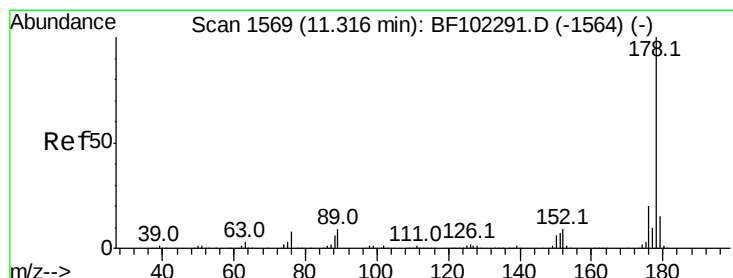
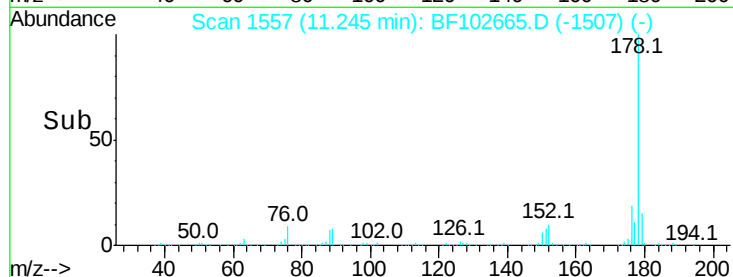
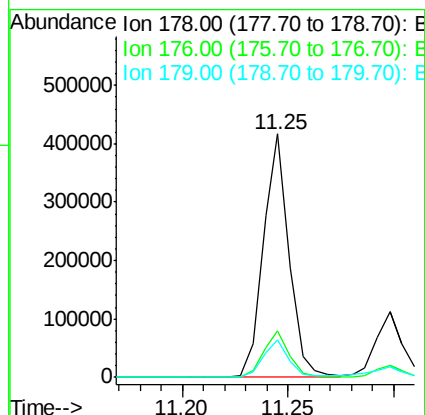
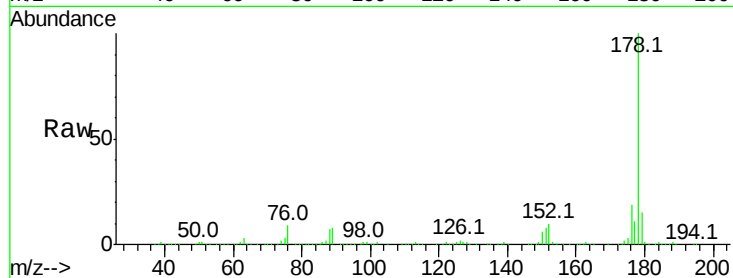




#70
 Phenanthrene
 Concen: 22.446 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

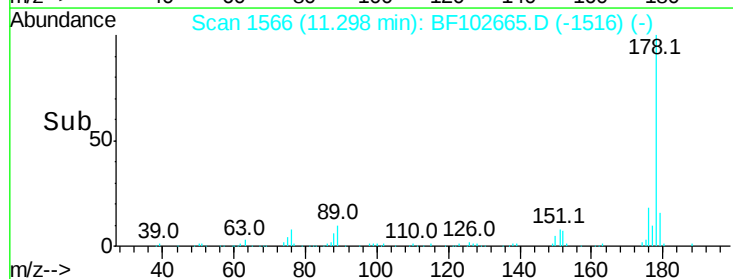
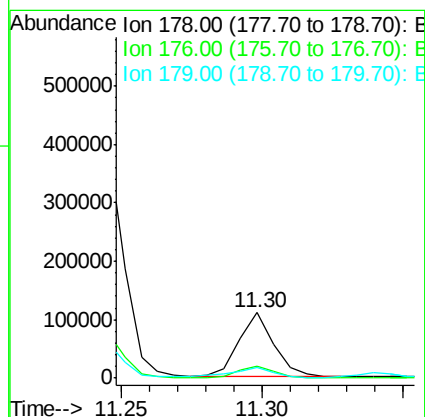
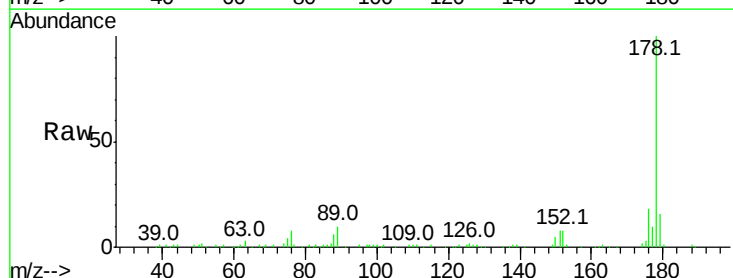
Instrument :
 BNA_F
 ClientSampleId :

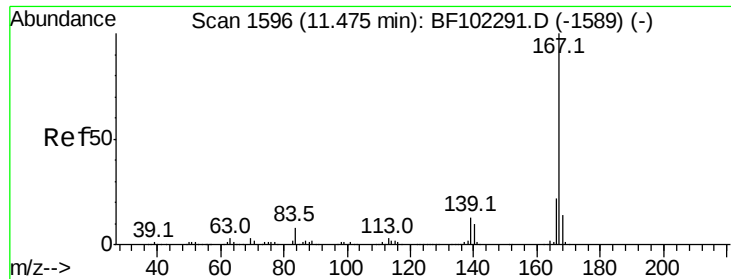
Tot Ion:178 Resp: 352707
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.5 13.0 19.6



#71
 Anthracene
 Concen: 5.915 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

Tgt Ion:178 Resp: 94869
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.2
 179 15.9 12.6 19.0





#72

Carbazole

Concen: 3.066 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

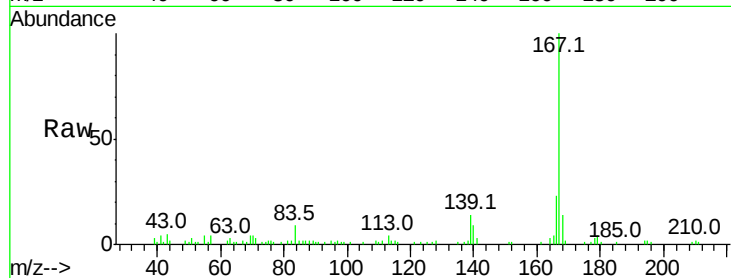
Instrument :

BNA_F

ClientSampleId :

Tot Ion:167 Resp: 47968

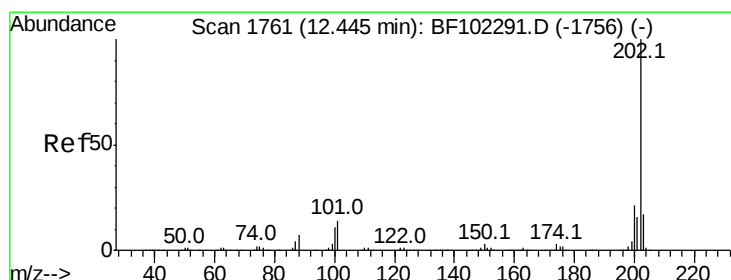
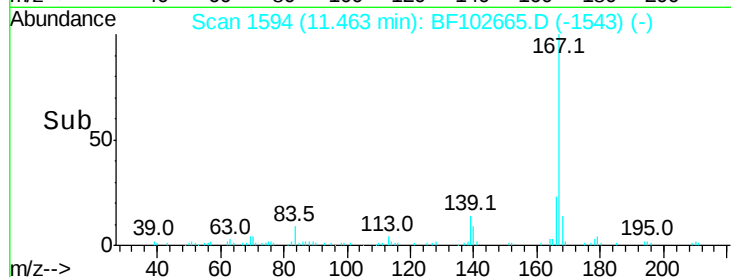
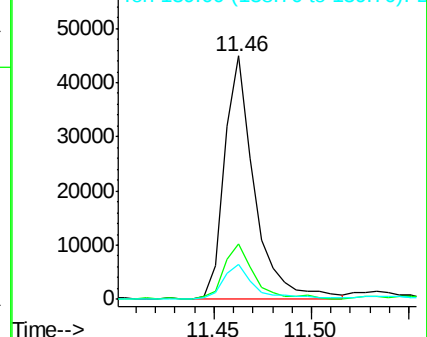
Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	14.1	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 30.766 ng

RT: 12.43 min Scan# 1759

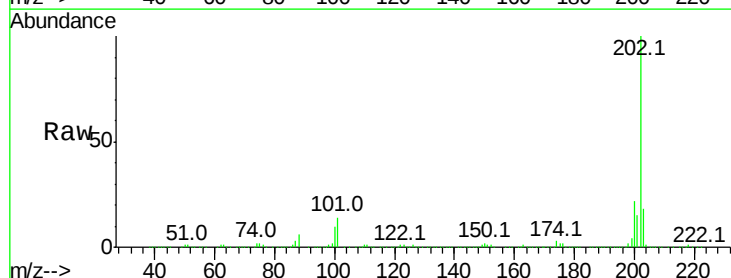
Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Tgt Ion:202 Resp: 492992

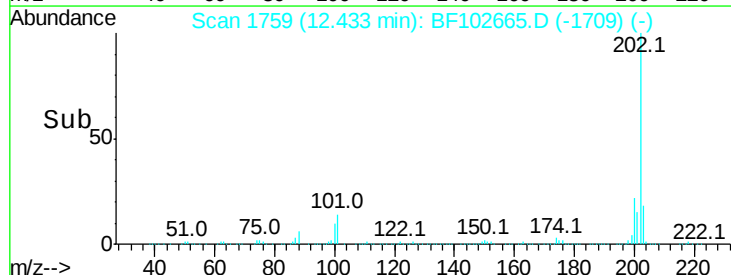
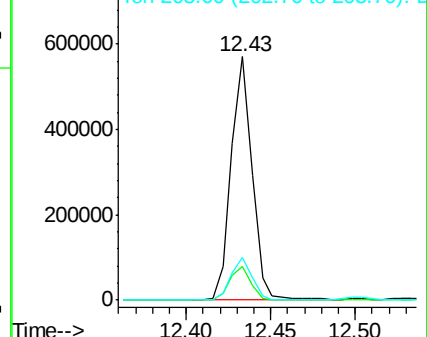
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.1
203	17.6	0.0	38.1

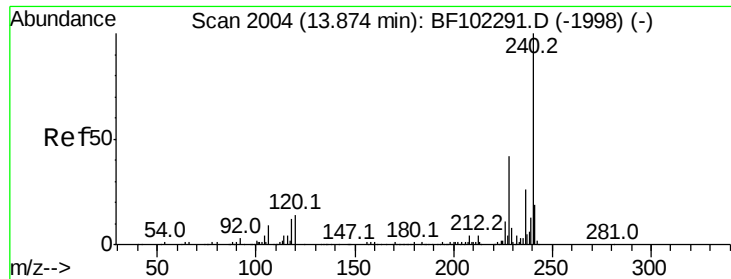


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

ClientSampleId :

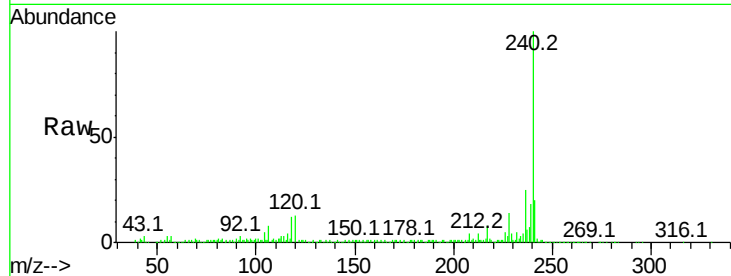
Tot Ion:240 Resp: 267930

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

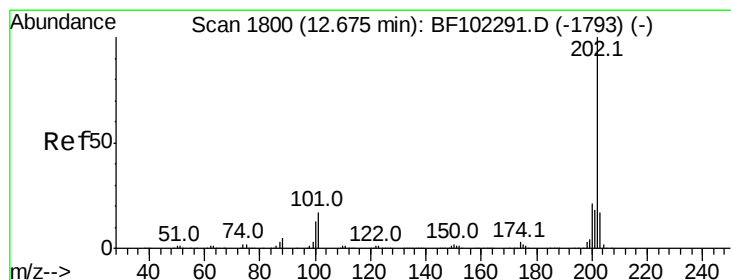
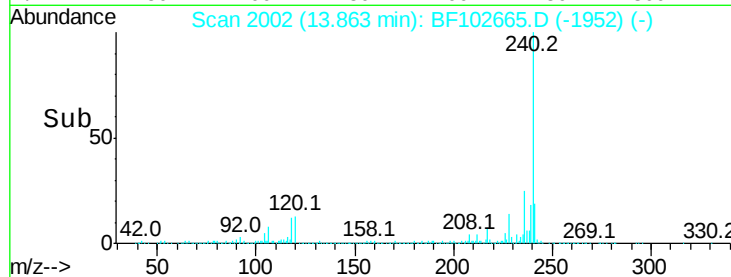
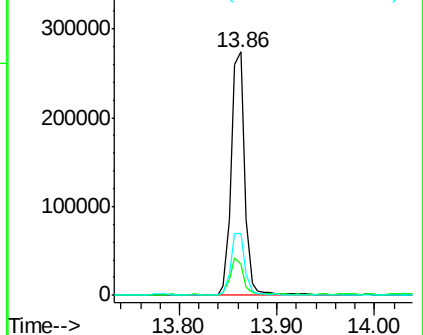
236 25.5 20.7 31.1



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

Pyrene

Concen: 21.881 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

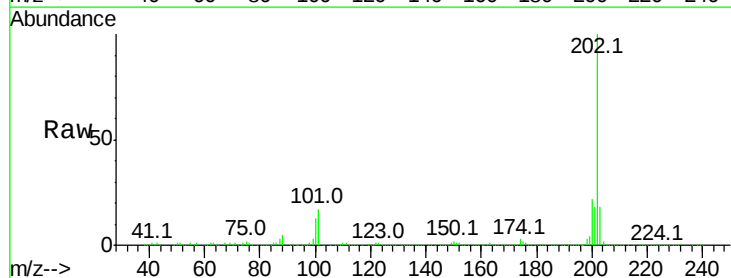
Tgt Ion:202 Resp: 453276

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

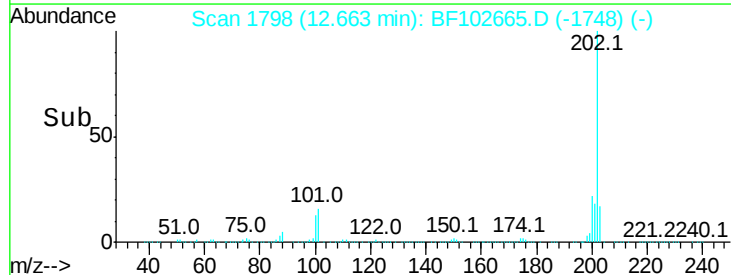
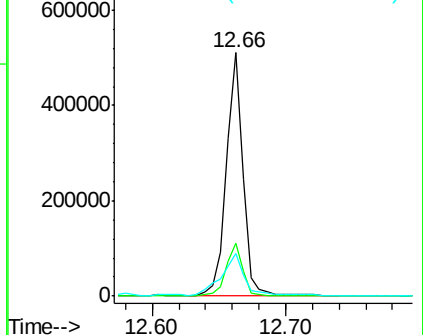
203 17.8 14.3 21.5

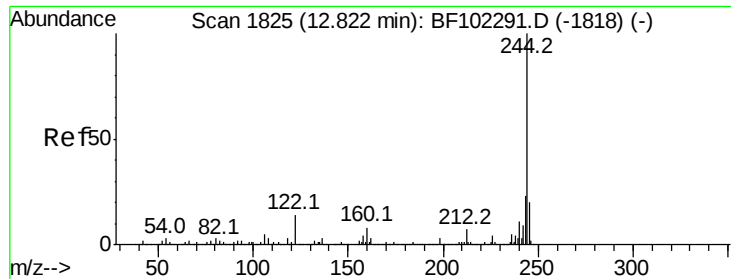


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

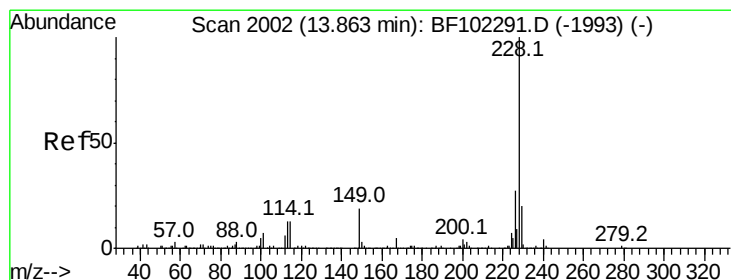
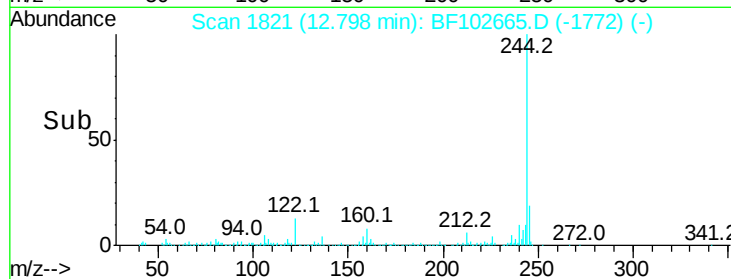
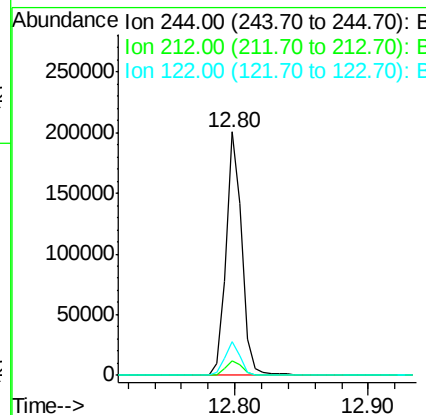
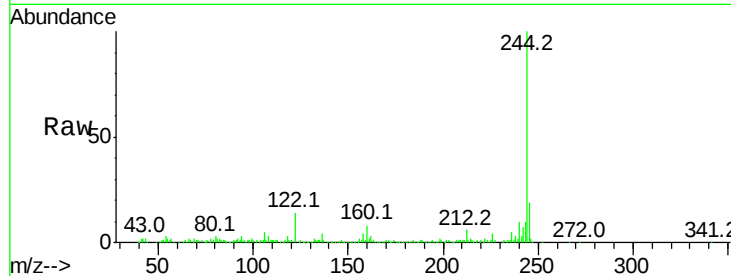




#78
 Terphenyl-d14
 Concen: 14.154 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

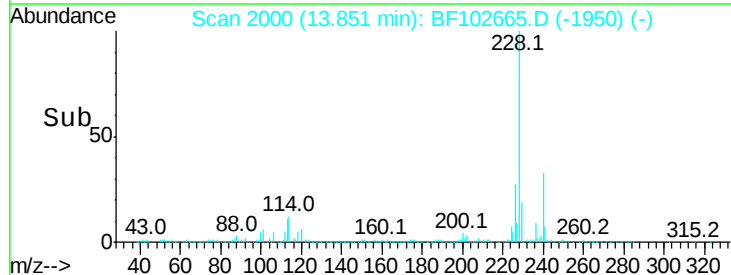
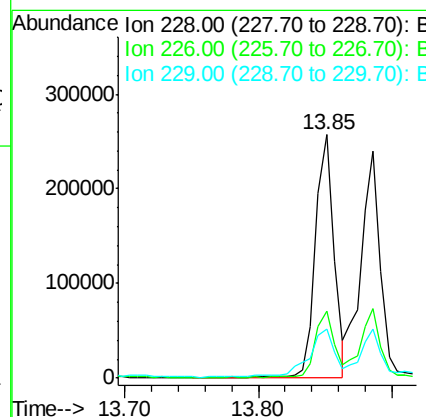
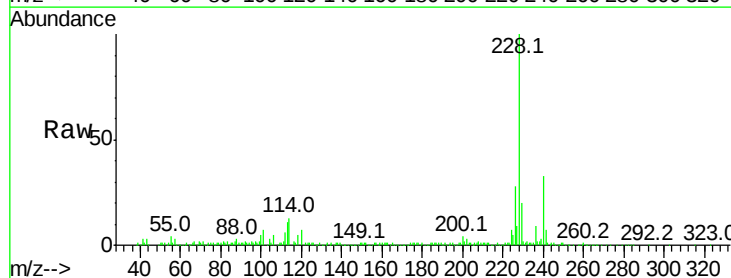
Instrument :
 BNA_F
 ClientSampleId :

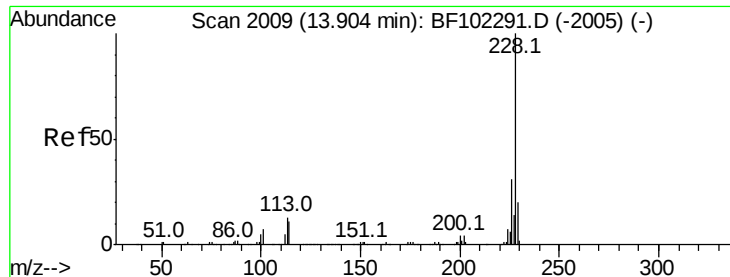
Tot Ion:244 Resp: 168216
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 13.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 14.712 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

Tgt Ion:228 Resp: 242681
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.6 33.8
 229 20.1 15.8 23.6





#82

Chrysene

Concen: 14.650 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

ClientSampleId :

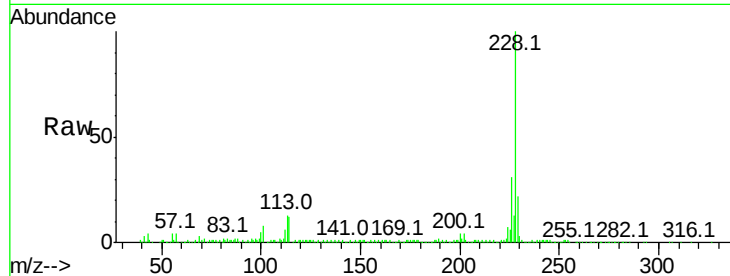
Tot Ion:228 Resp: 245408

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

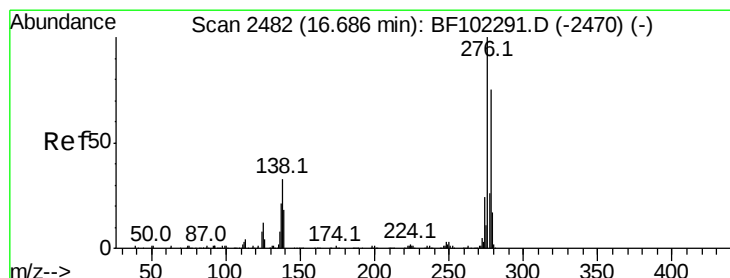
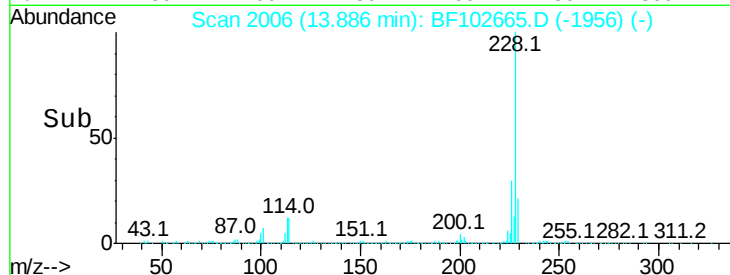
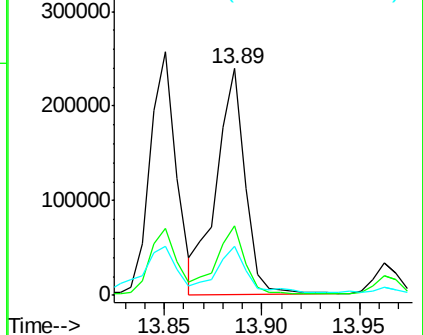
229 21.8 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.208 ng

RT: 16.68 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

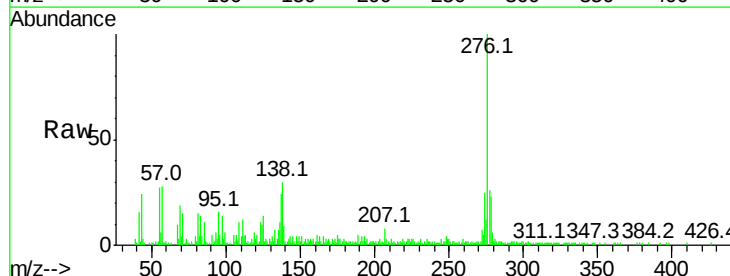
Tgt Ion:276 Resp: 99718

Ion Ratio Lower Upper

276 100

138 28.4 25.0 37.6

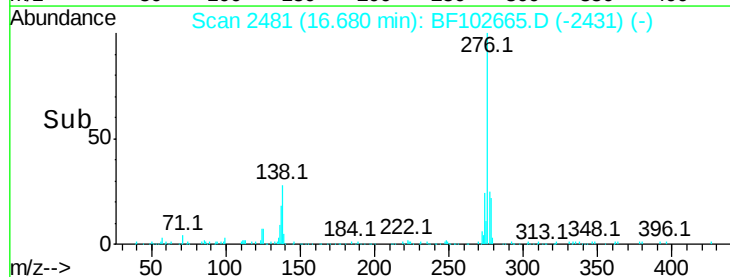
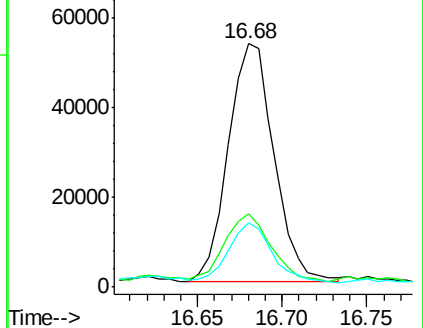
277 23.6 20.1 30.1

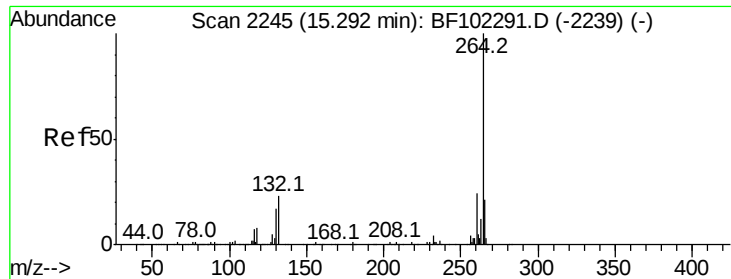


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

Instrument :

BNA_F

ClientSampleId :

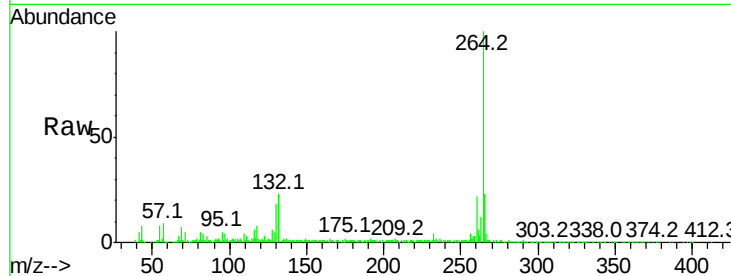
Tot Ion:264 Resp: 264049

Ion Ratio Lower Upper

264 100

260 22.4 19.2 28.8

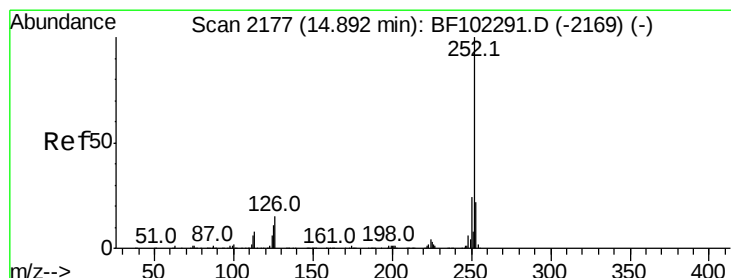
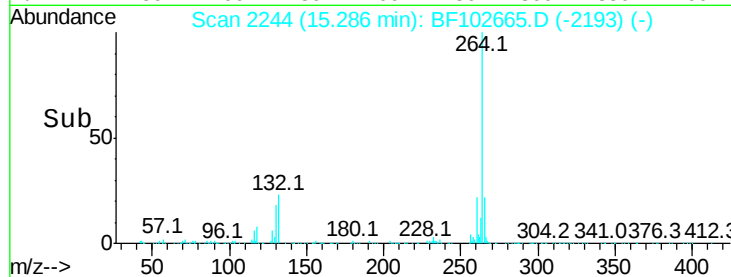
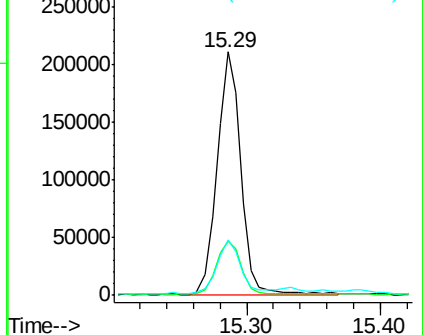
265 22.8 17.5 26.3



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: 22.386 ng

RT: 14.88 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BF102665.D

Acq: 31 Jan 2018 20:03

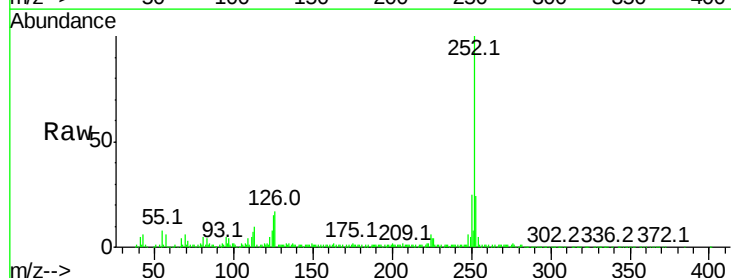
Tgt Ion:252 Resp: 383122

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

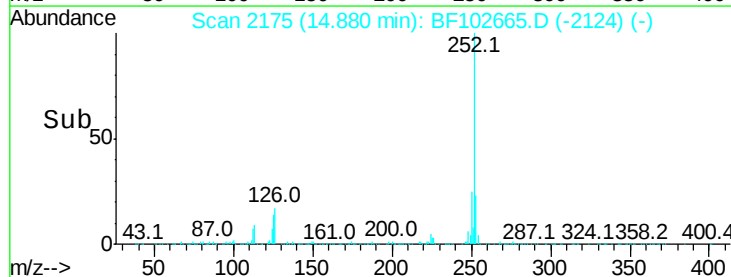
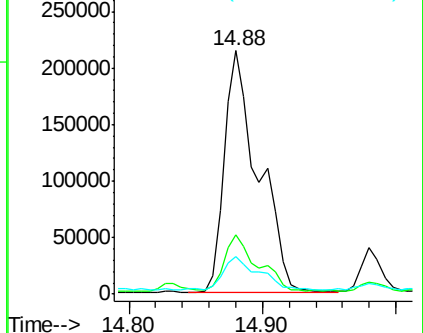
125 15.4 9.0 13.6#

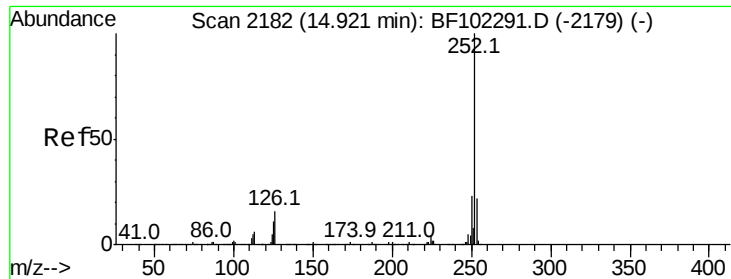


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

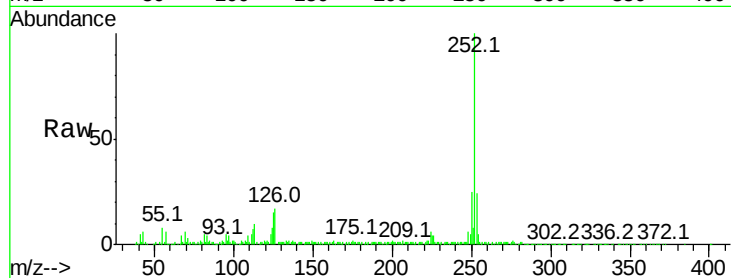




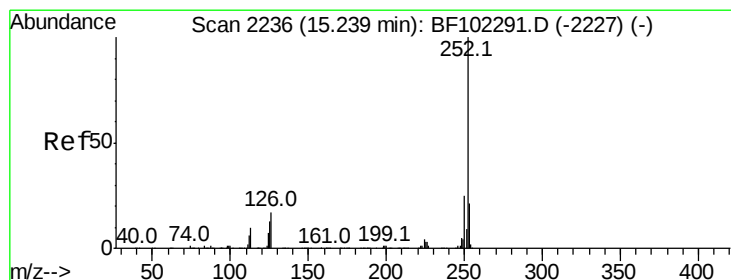
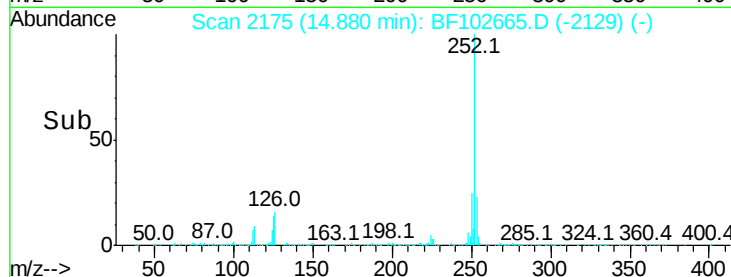
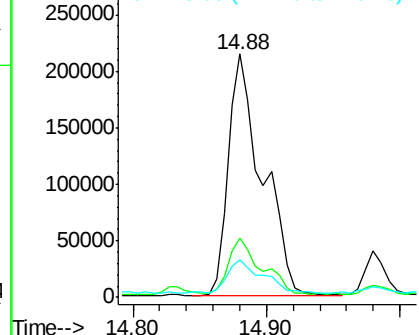
#88
Benzo(k)fluoranthene
Concen: 23.694 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.03 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	15.4	10.2	15.2

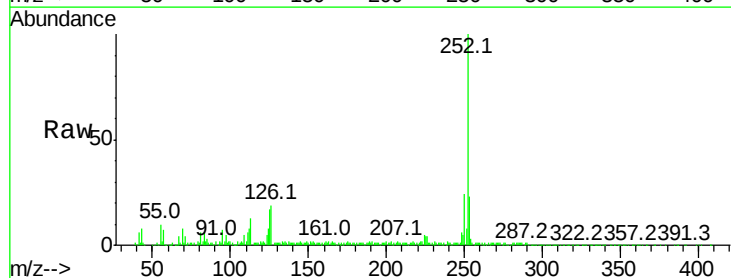


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

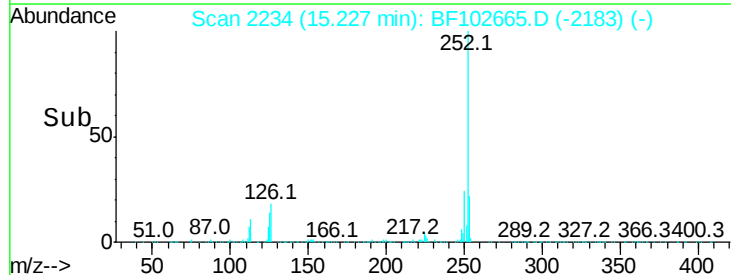
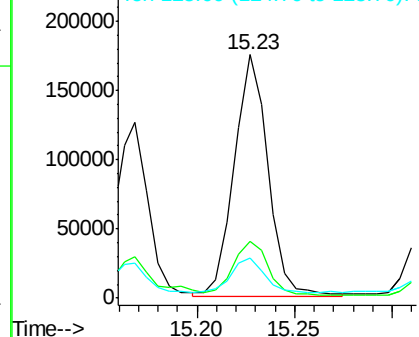


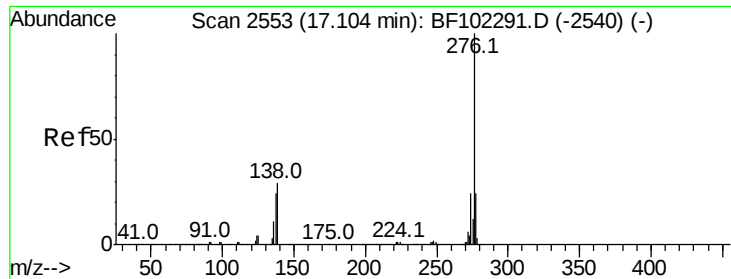
#89
Benzo(a)pyrene
Concen: 13.535 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF102665.D
Acq: 31 Jan 2018 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	16.7	9.8	14.6



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





#91
 Benzo(a,h,i)perylene
 Concen: 8.154 ng
 RT: 17.10 min Scan# 2552
 Delta R.T. -0.01 min
 Lab File: BF102665.D
 Acq: 31 Jan 2018 20:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.9	26.9
138	29.3	21.8	32.8

