

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101784.D
 Acq On : 28 Dec 2017 1:02
 Operator : SJ/JU
 Sample : I6686-05 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 04:13:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	140503	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	530954	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	209222	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	332612	20.00	ng	0.00
75) Chrysene-d12	13.97	240	287657	20.00	ng	0.00
86) Perylene-d12	15.45	264	236812	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	486814	51.61	ng	0.01
7) Phenol-d6	6.44	99	614691	52.36	ng	0.00
23) Nitrobenzene-d5	7.36	82	349299	36.62	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	96914	48.07	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	619804	45.95	ng	0.00
78) Terphenyl-d14	12.90	244	439782	36.86	ng	0.00

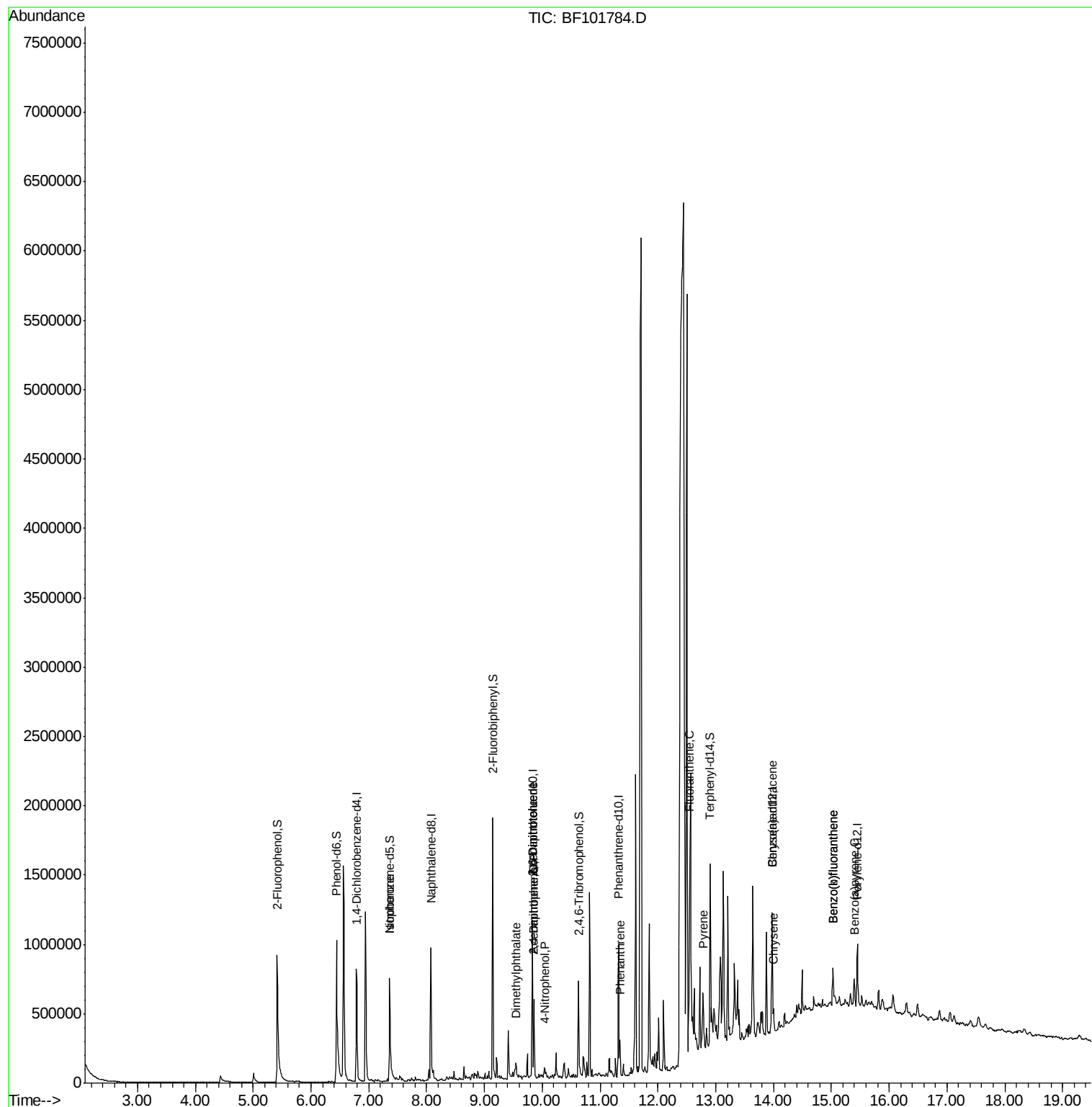
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.36	82	349296	18.255	ng	# 64
49) Dimethylphthalate	9.55	163	43089	2.560	ng	# 98
50) 2,6-Dinitrotoluene	9.83	165	28268	8.265	ng	# 26
51) Acenaphthene	9.86	154	30021	2.228	ng	# 99
53) 2,4-Dinitrophenol	9.86	184	516	10.698	ng	# 1
55) 4-Nitrophenol	10.04	139	10932	5.879	ng	# 16
56) 2,4-Dinitrotoluene	9.83	165	28268	7.335	ng	# 24
70) Phenanthrene	11.35	178	93803	5.071	ng	# 99
74) Fluoranthene	12.55	202	154922	7.979	ng	# 97
77) Pyrene	12.79	202	137845	6.385	ng	# 100
80) Benzo(a)anthracene	13.97	228	68651	3.614	ng	# 98
82) Chrysene	14.00	228	67181	3.746	ng	# 98
87) Benzo(b)fluoranthene	15.03	252	91932	6.369	ng	# 84
88) Benzo(k)fluoranthene	15.03	252	91932	6.551	ng	# 87
89) Benzo(a)pyrene	15.39	252	43983	3.305	ng	# 86

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

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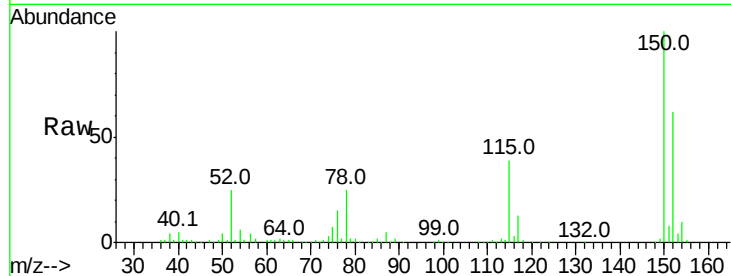


#1

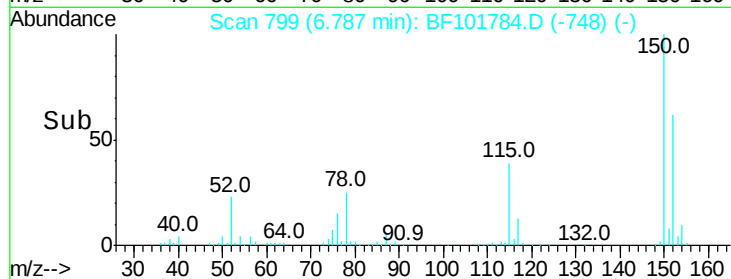
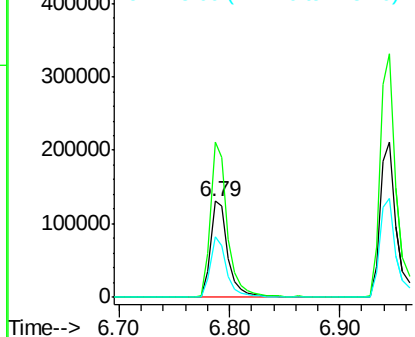
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 140503
Ion Ratio Lower Upper
152 100
150 160.9 124.6 186.8
115 63.3 50.1 75.1



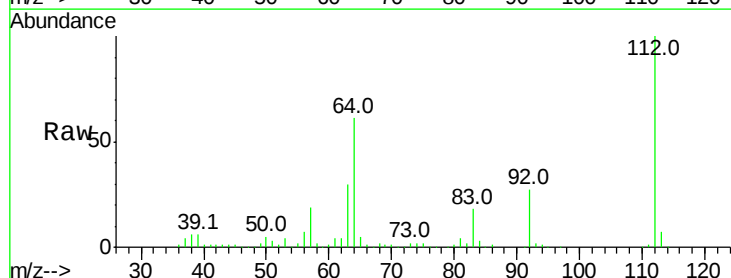
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



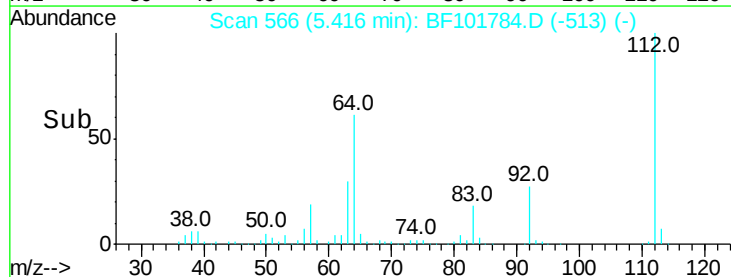
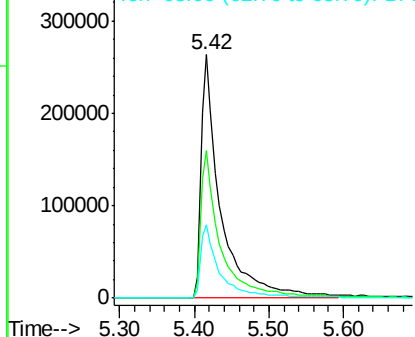
#5

2-Fluorophenol
Concen: 51.611 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Tgt Ion:112 Resp: 486814
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 30.0 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: 52.363 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101784.D

Acq: 28 Dec 2017 1:02

Instrument :

BNA_F

ClientSampled :

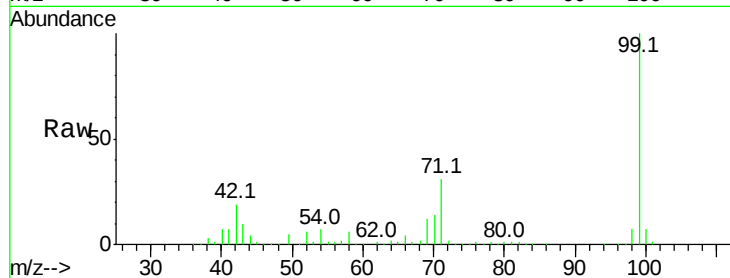
Tot Ion: 99 Resp: 614691

Ion Ratio Lower Upper

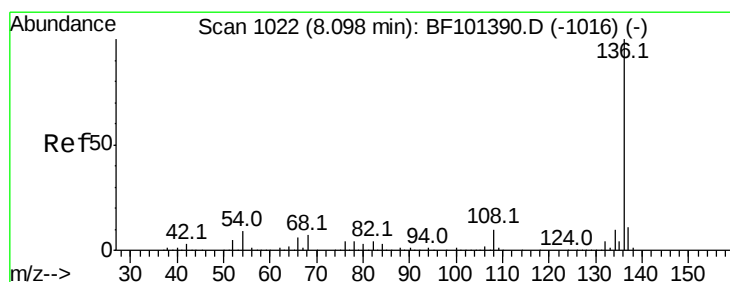
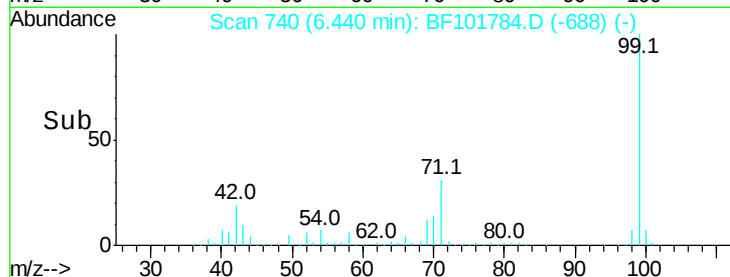
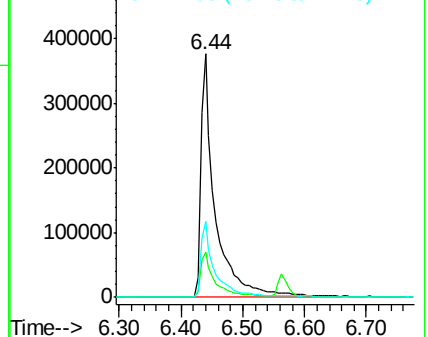
99 100

42 18.7 14.5 21.7

71 31.4 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.01 min

Lab File: BF101784.D

Acq: 28 Dec 2017 1:02

Tgt Ion: 136 Resp: 530954

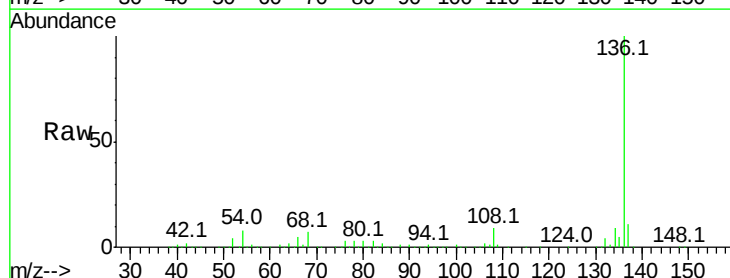
Ion Ratio Lower Upper

136 100

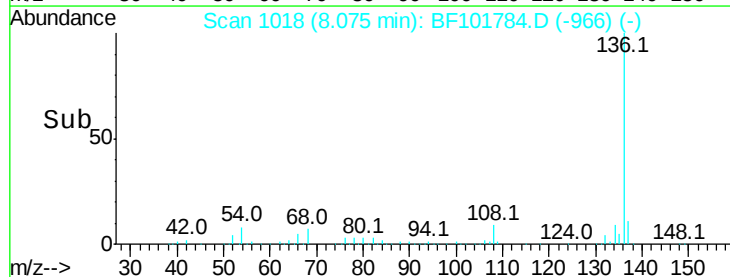
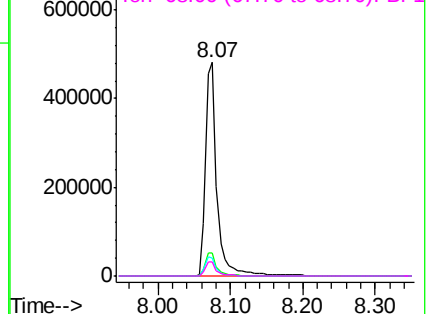
137 10.7 8.9 13.3

54 8.3 6.6 9.8

68 6.6 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

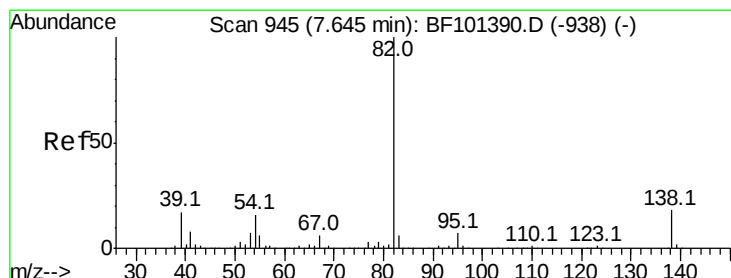
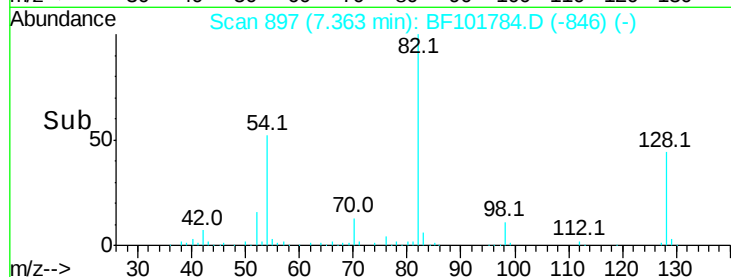
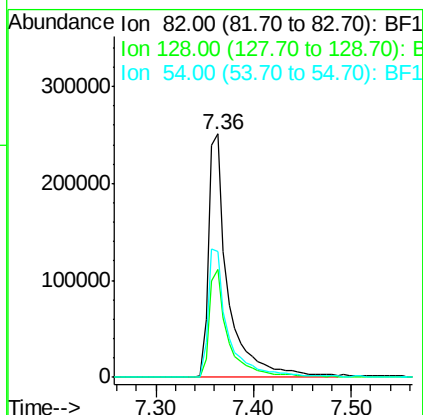
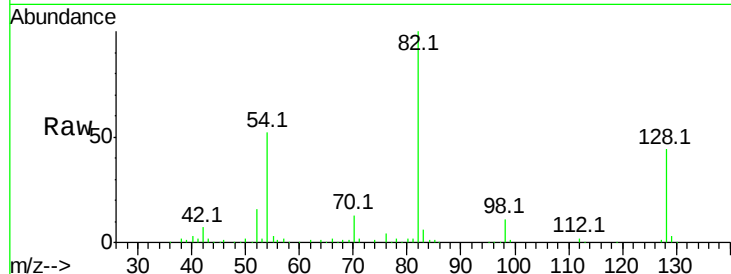




#23
Nitrobenzene-d5
Concen: 36.621 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

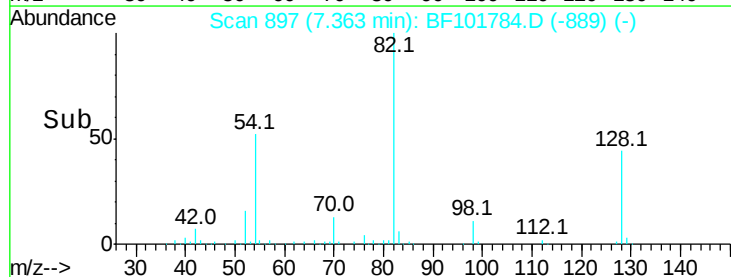
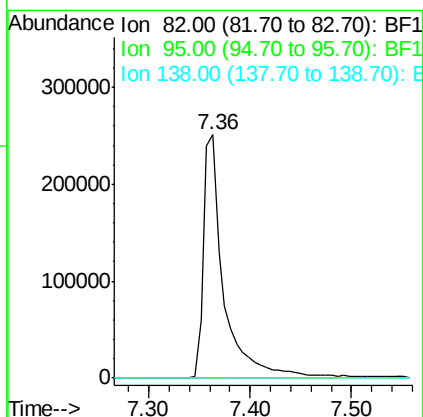
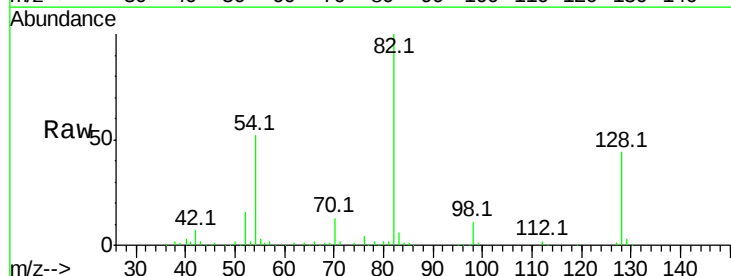
Instrument :
BNA_F
ClientSampleId :

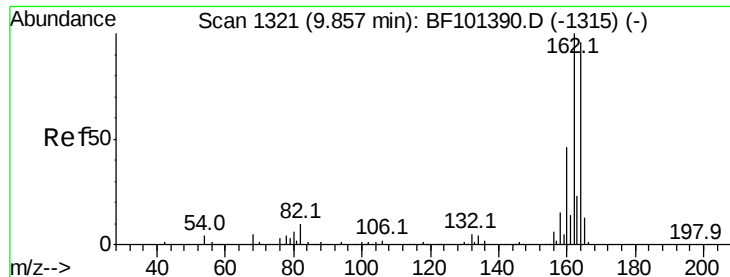
Tot Ion	82	Resp	349299
Ion Ratio	Lower	Upper	
82	100		
128	44.4	36.1	54.1
54	51.9	41.4	62.2



#25
Isophorone
Concen: 18.255 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.25 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Tgt Ion	82	Resp	349296
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.2	7.8#
138	0.0	14.9	22.3#

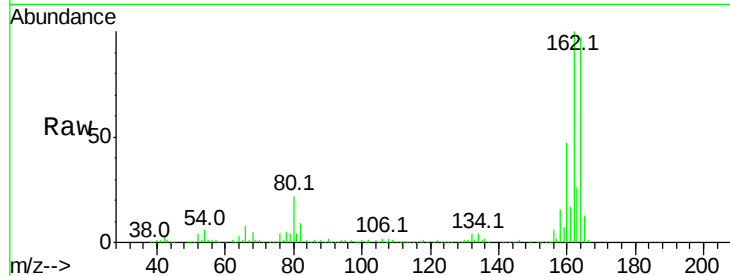




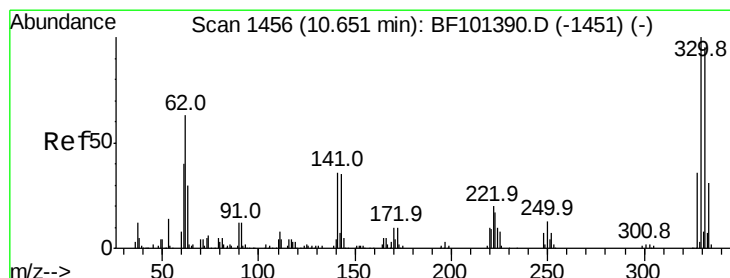
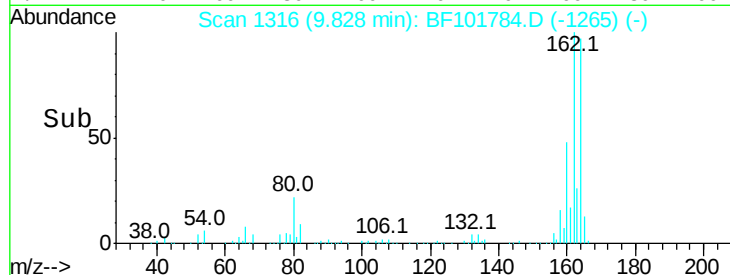
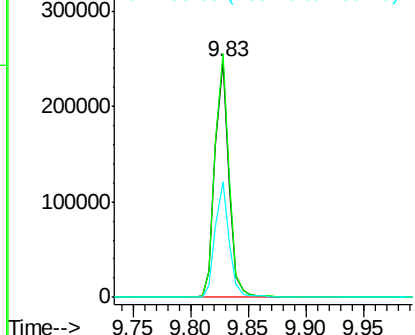
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 209222
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 49.0 38.3 57.5

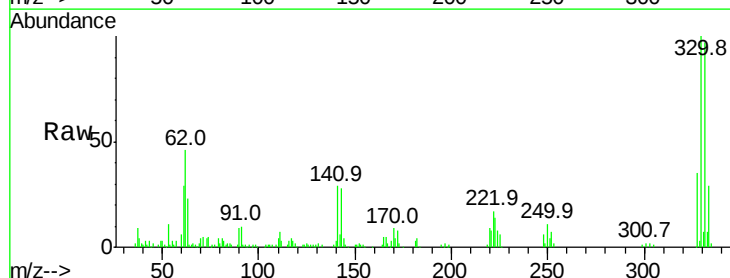


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

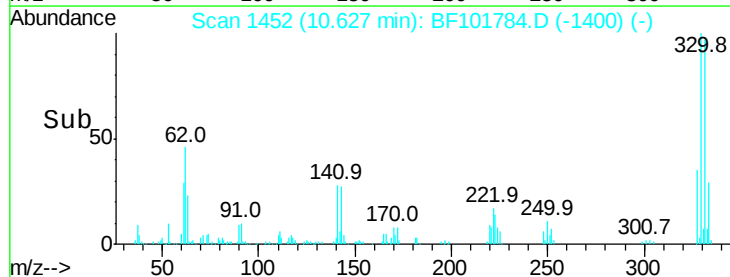
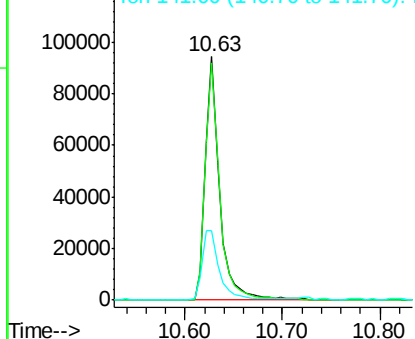


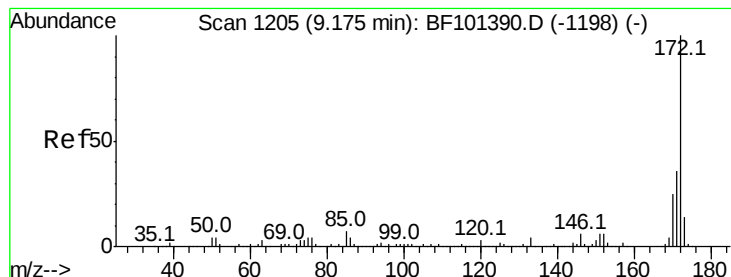
#41
2,4,6-Tribromophenol
Concen: 48.072 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.01 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Tgt Ion:330 Resp: 96914
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 35.5 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: 45.954 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF101784.D

Acq: 28 Dec 2017 1:02

Instrument :

BNA_F

ClientSampleId :

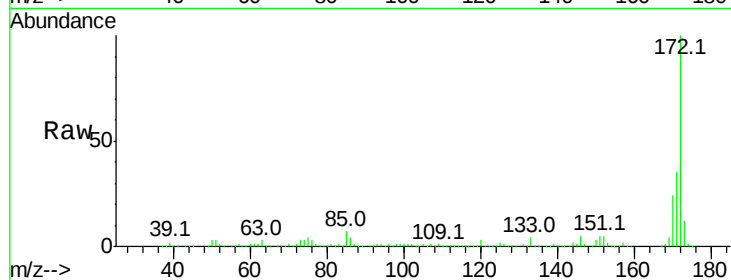
Tot Ion:172 Resp: 619804

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

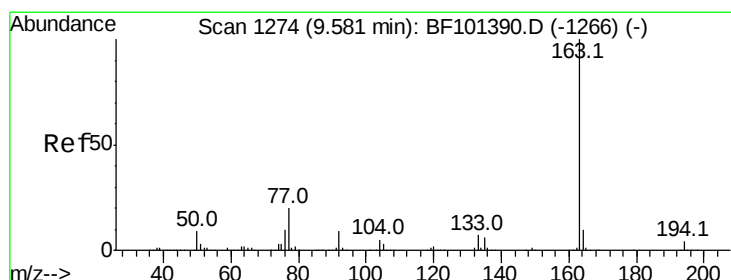
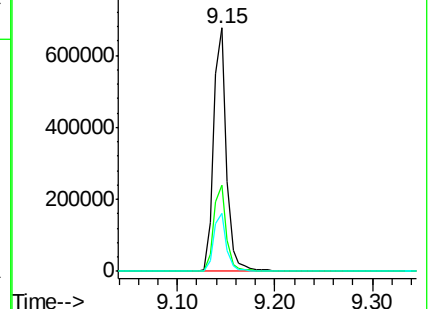
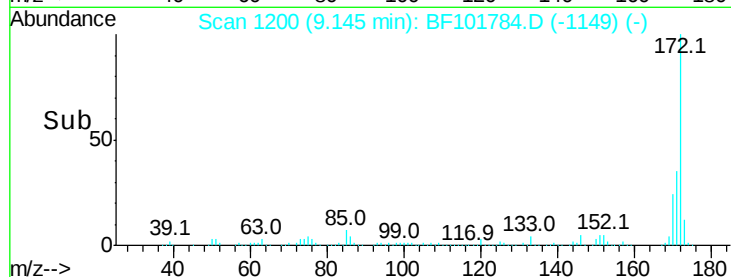
170 23.8 19.6 29.4



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



#49

Dimethylphthalate

Concen: 2.560 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF101784.D

Acq: 28 Dec 2017 1:02

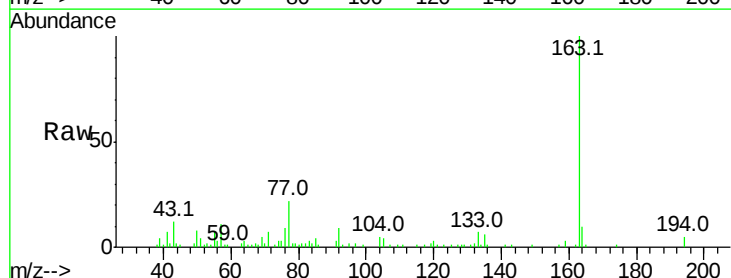
Tgt Ion:163 Resp: 43089

Ion Ratio Lower Upper

163 100

194 4.9 2.7 4.1#

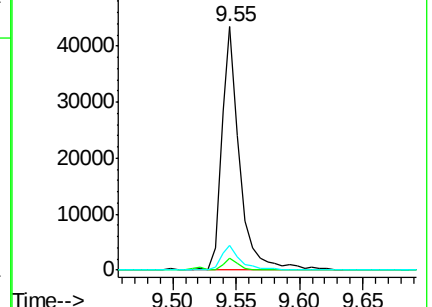
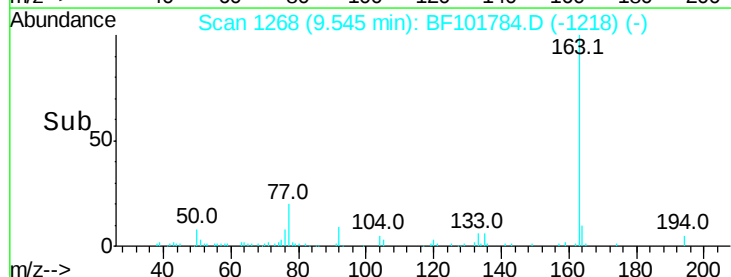
164 10.4 8.2 12.2

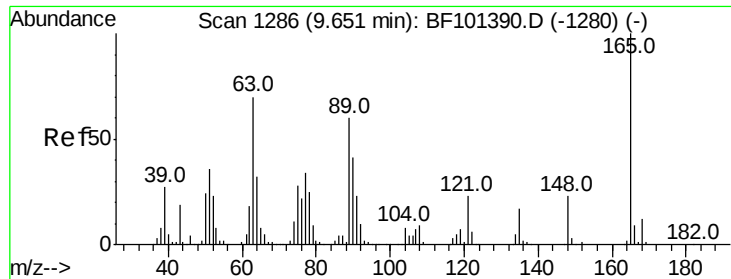


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

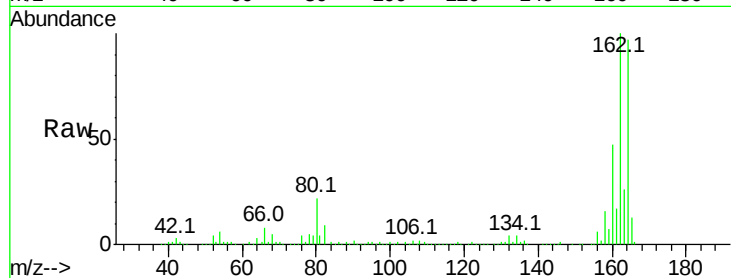




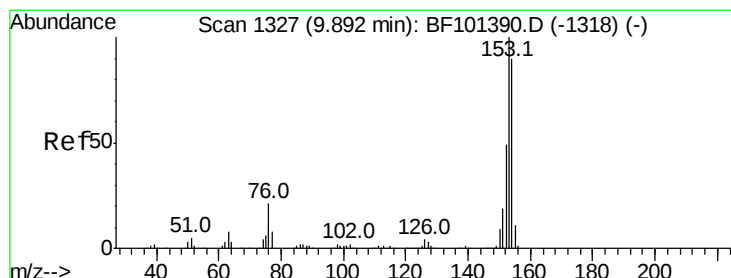
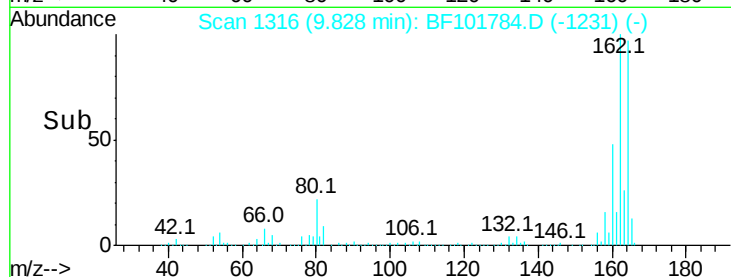
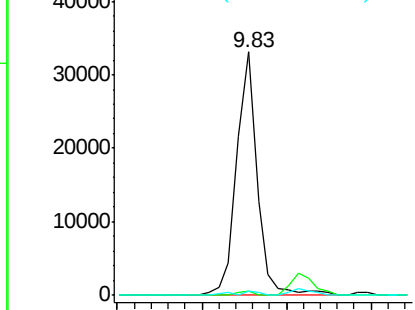
#50
2,6-Dinitrotoluene
Concen: 8.265 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.20 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.7	44.0	66.0#

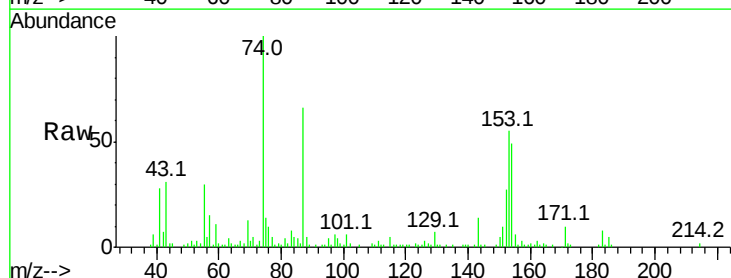


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

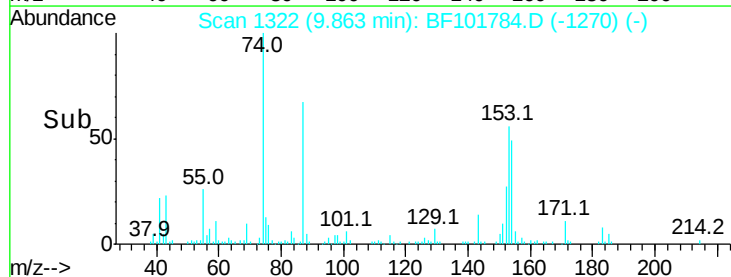
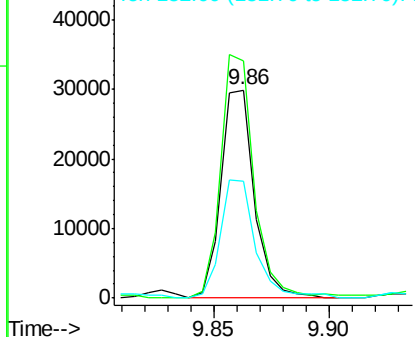


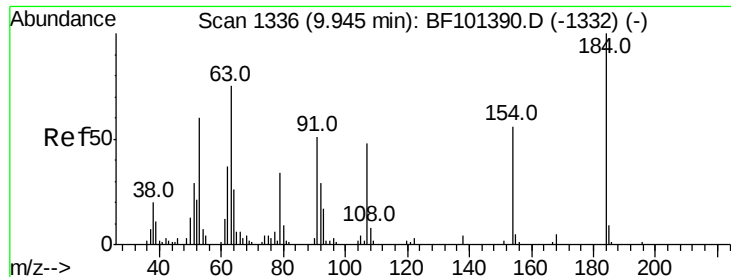
#51
Acenaphthene
Concen: 2.228 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.2	136.8
152	55.9	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

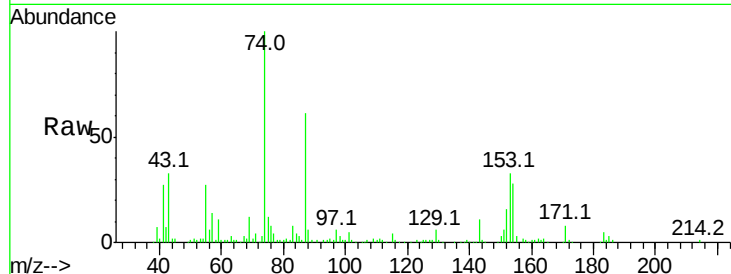




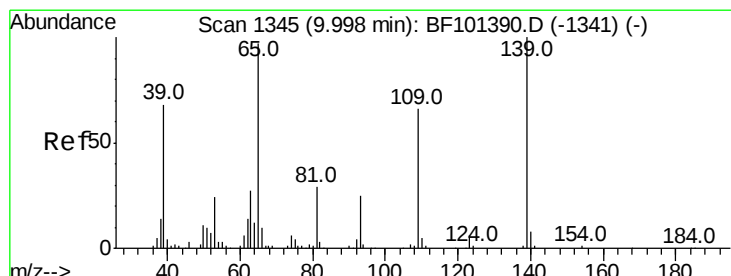
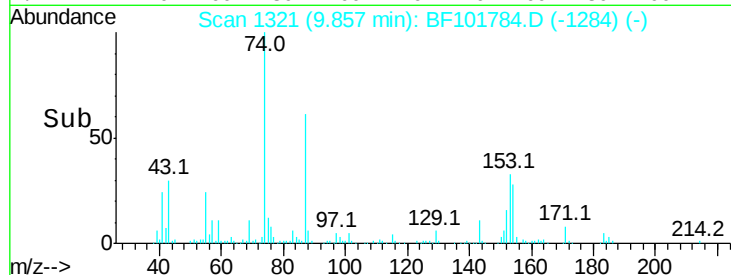
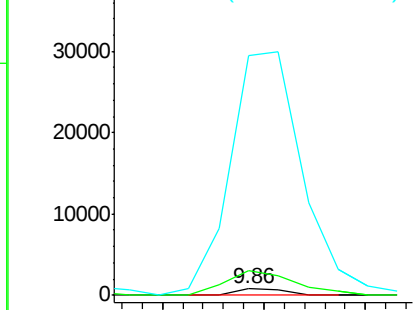
#53
2,4-Dinitrophenol
Concen: 10.698 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.08 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 516
Ion Ratio Lower Upper
184 100
63 390.4 54.2 81.2#
154 3729.6 184.0 276.0#

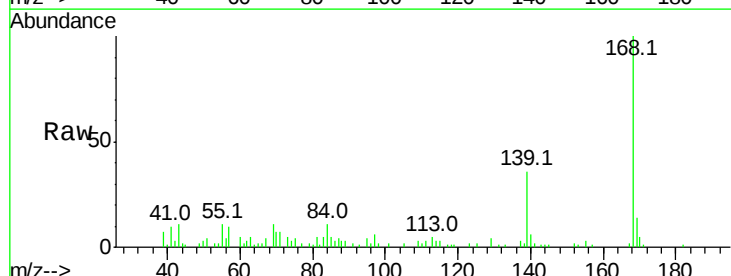


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

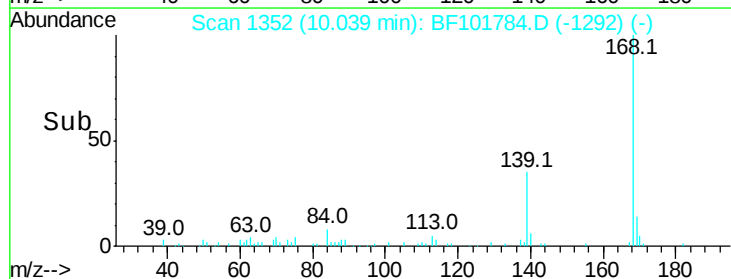
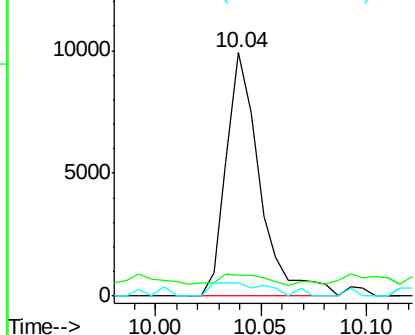


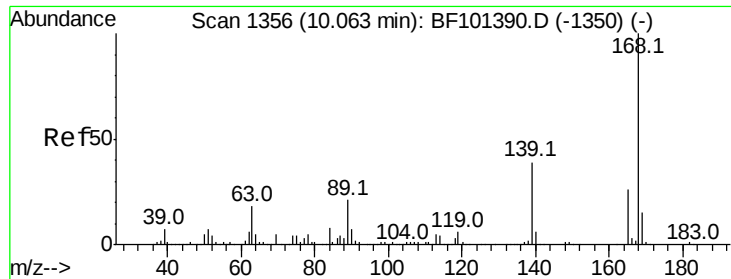
#55
4-Nitrophenol
Concen: 5.879 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.05 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Tgt Ion:139 Resp: 10932
Ion Ratio Lower Upper
139 100
109 8.3 48.4 88.4#
65 5.2 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

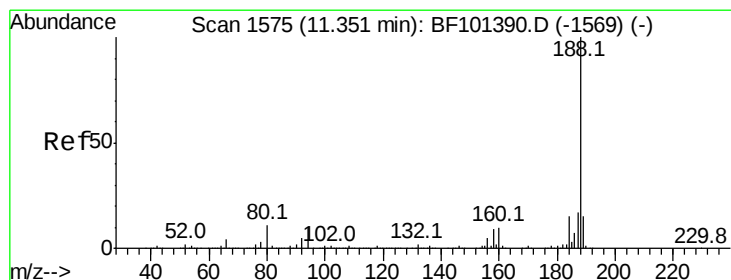
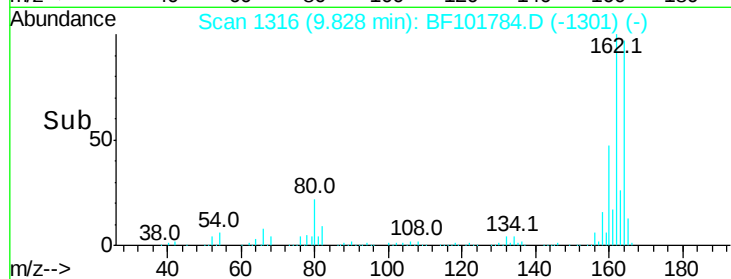
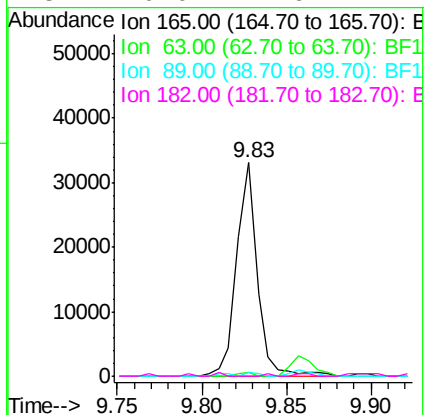
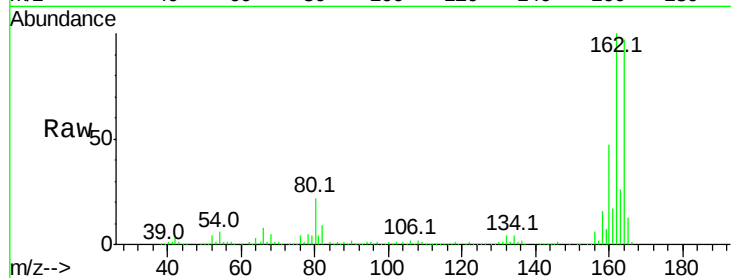




#56
 2,4-Dinitrotoluene
 Concen: 7.335 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF101784.D
 Acq: 28 Dec 2017 1:02

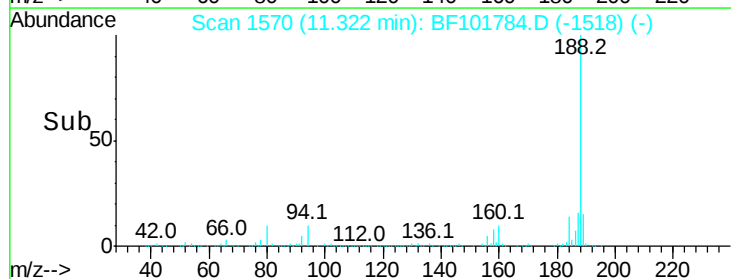
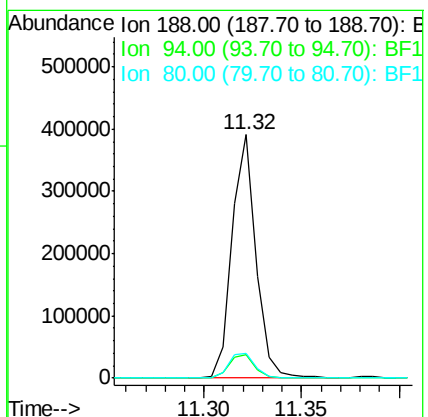
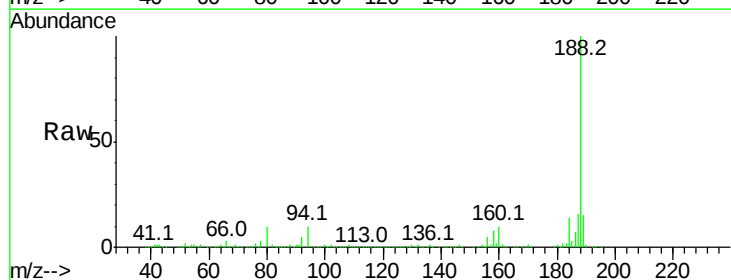
Instrument :
 BNA_F
 ClientSampleId :

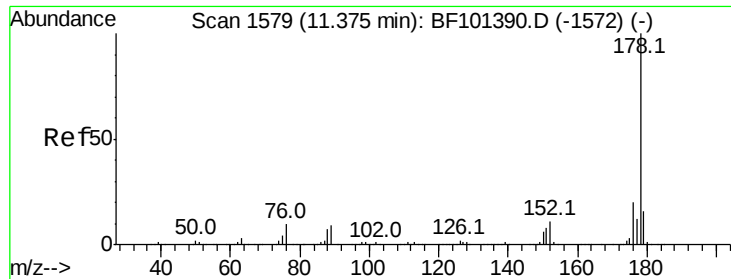
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF101784.D
 Acq: 28 Dec 2017 1:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.0	9.2	13.8

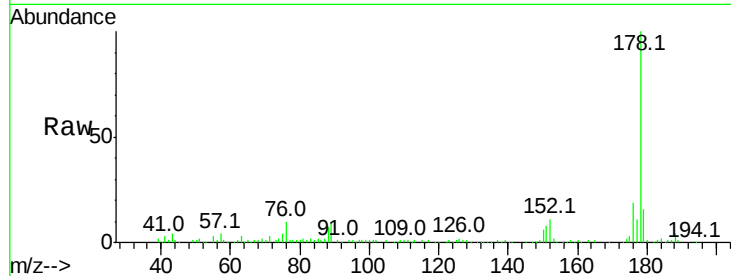




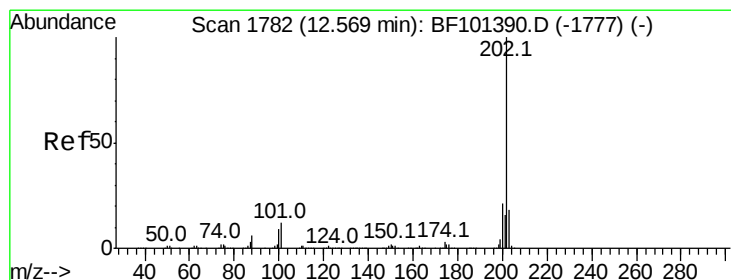
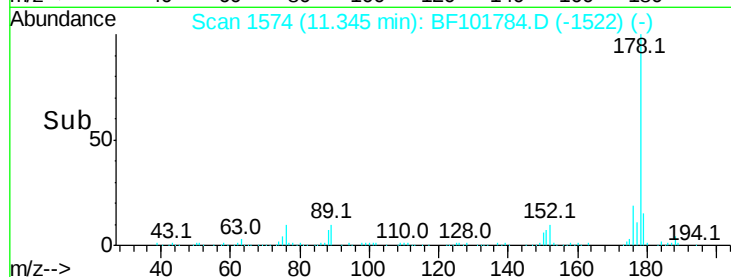
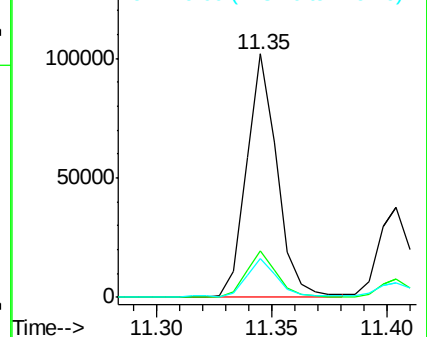
#70
Phenanthrene
Concen: 5.071 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 93803
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.8 13.0 19.6

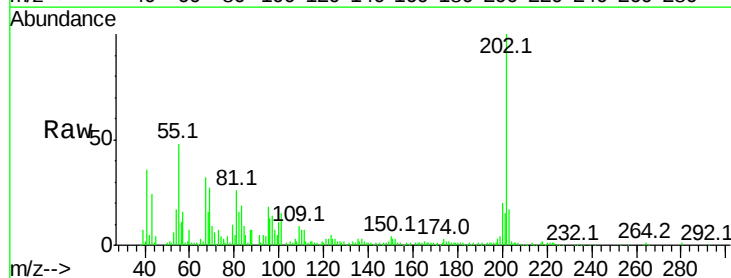


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

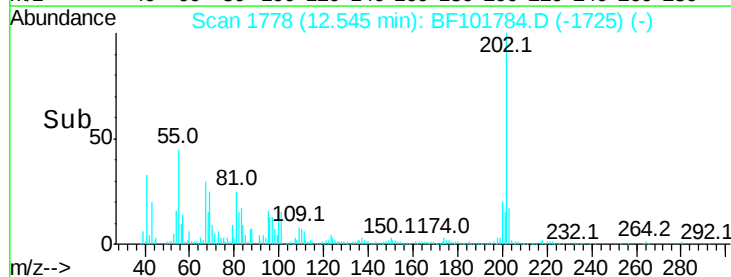
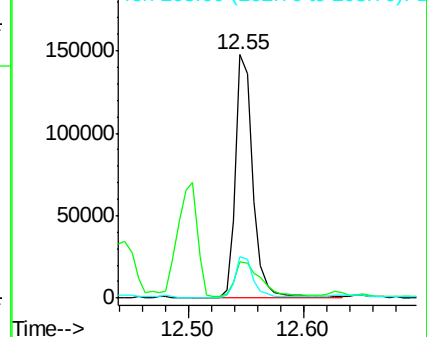


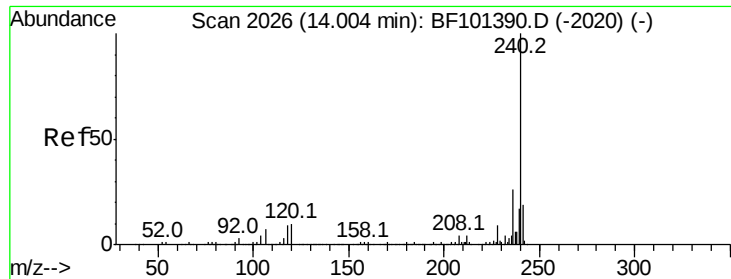
#74
Fluoranthene
Concen: 7.979 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Tgt Ion:202 Resp: 154922
Ion Ratio Lower Upper
202 100
101 15.1 0.0 34.1
203 16.8 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: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101784.D

Acq: 28 Dec 2017 1:02

Instrument :

BNA_F

ClientSampleId :

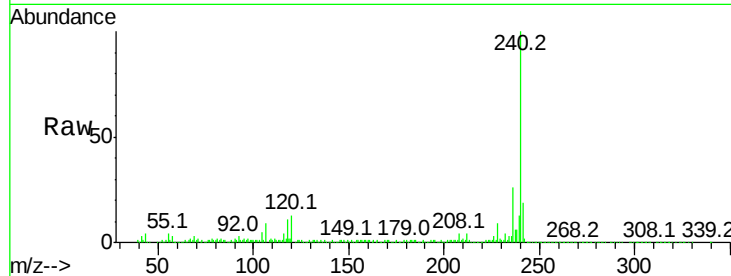
Tot Ion:240 Resp: 287657

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

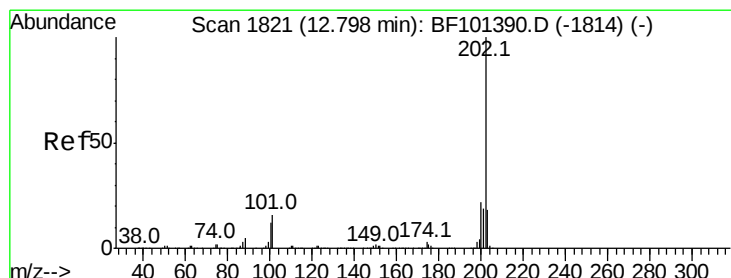
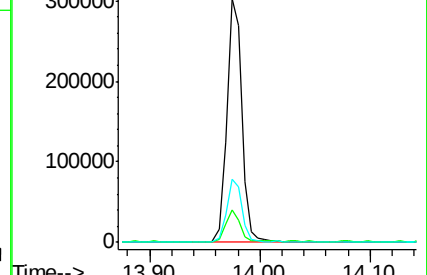
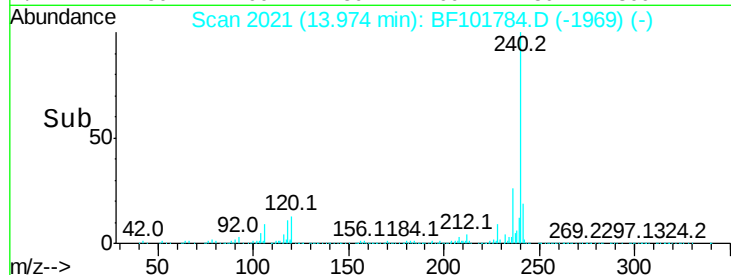
236 25.7 20.7 31.1



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: 6.385 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.02 min

Lab File: BF101784.D

Acq: 28 Dec 2017 1:02

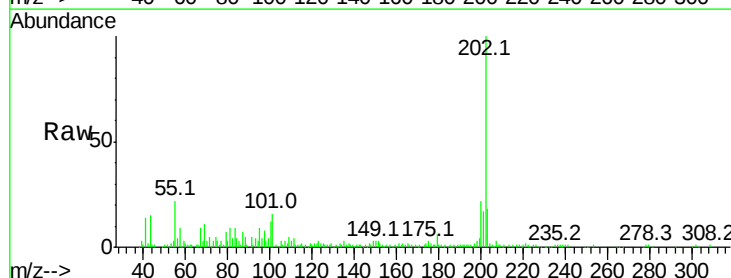
Tgt Ion:202 Resp: 137845

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

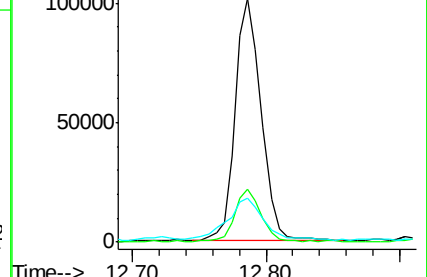
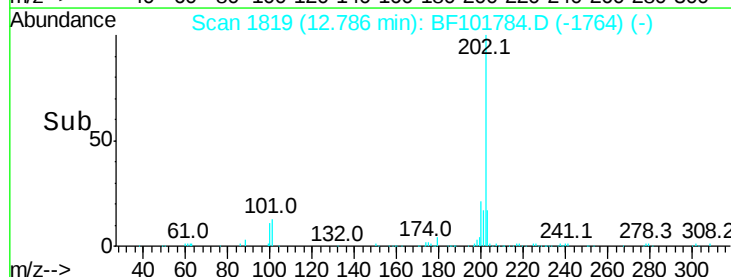
203 18.0 14.3 21.5

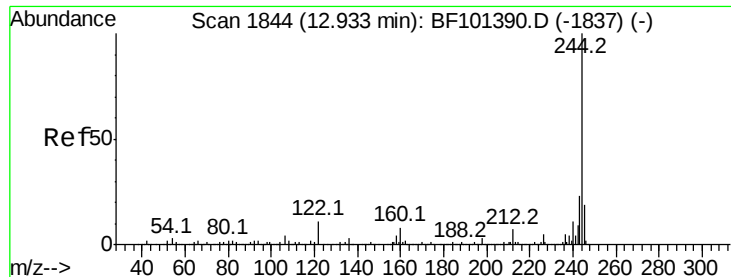


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 36.857 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF101784.D

Acq: 28 Dec 2017 1:02

Instrument :

BNA_F

ClientSampleId :

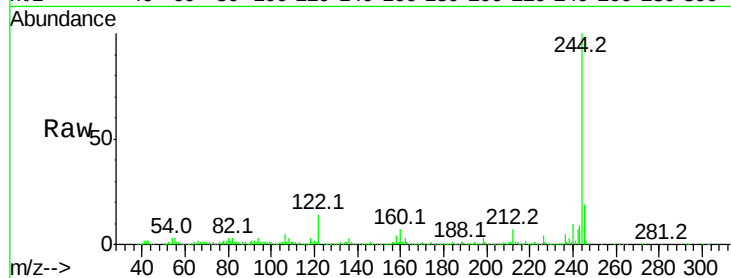
Tot Ion:244 Resp: 439782

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

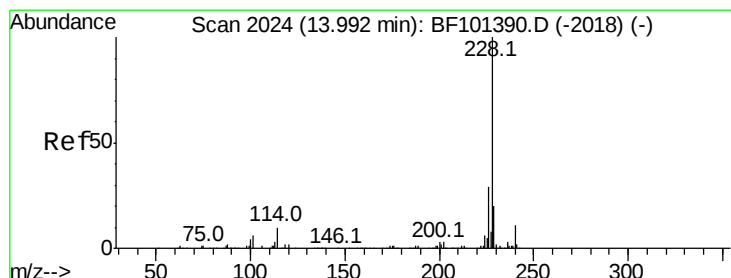
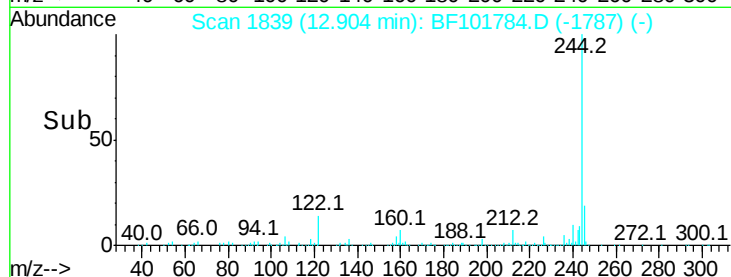
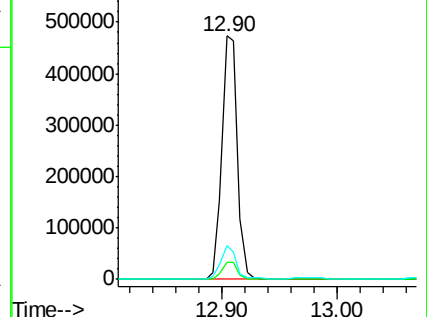
122 14.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.614 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF101784.D

Acq: 28 Dec 2017 1:02

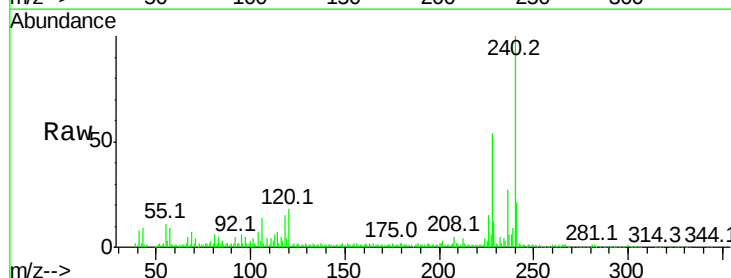
Tgt Ion:228 Resp: 68651

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

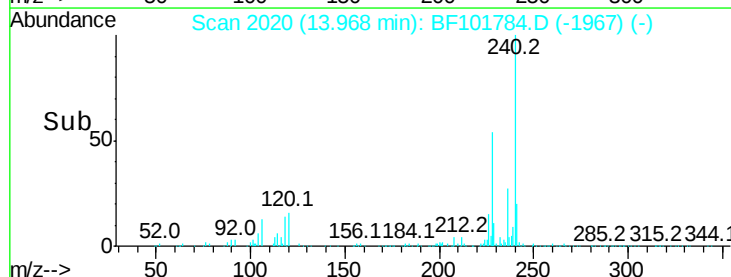
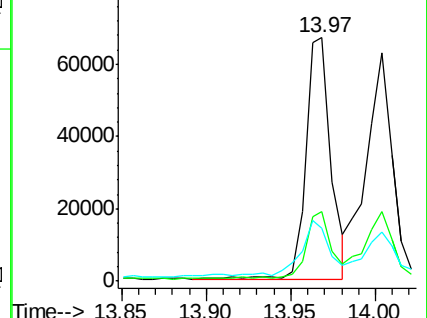
229 21.6 15.8 23.6

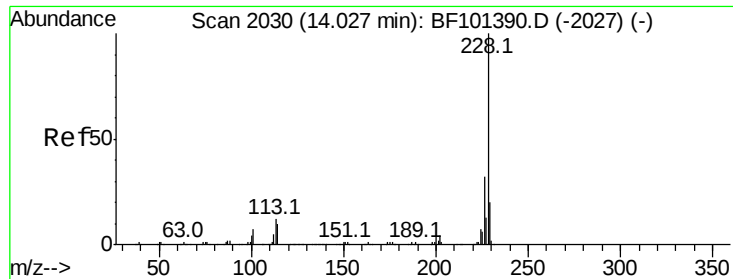


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

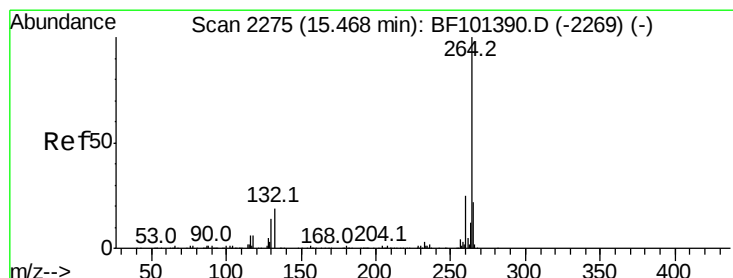
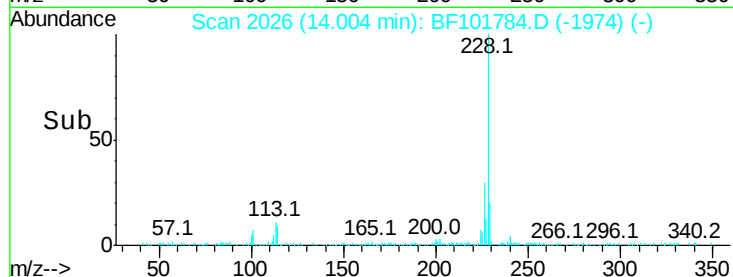
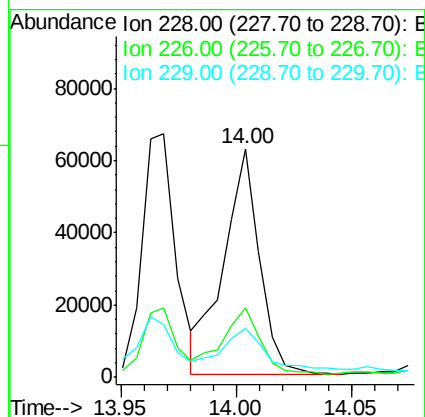
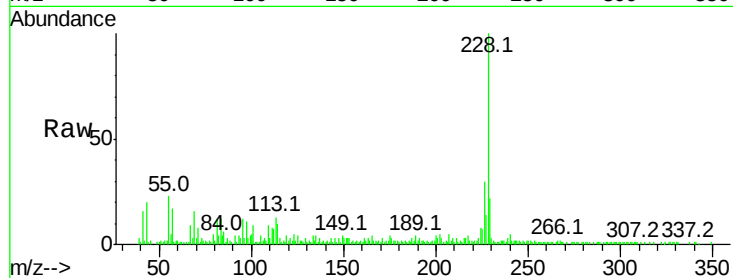




#82
Chrysene
Concen: 3.746 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

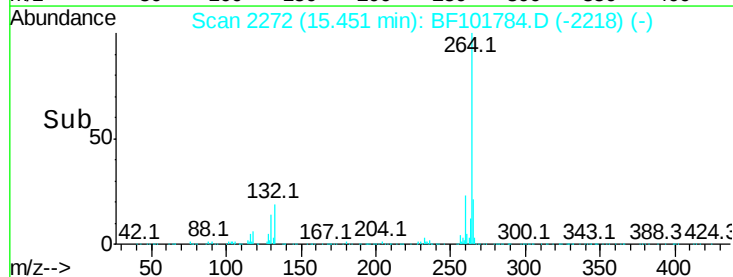
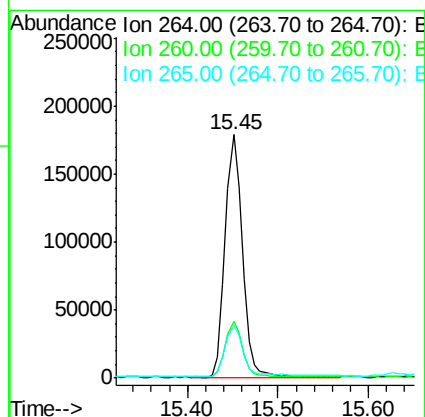
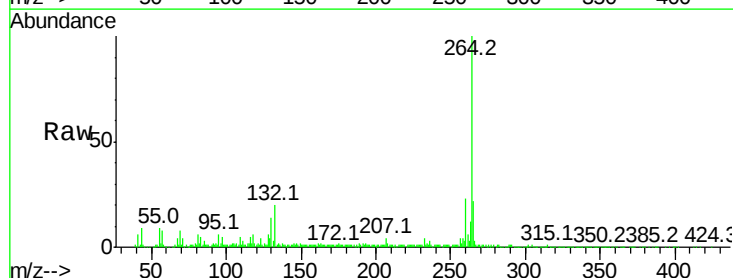
Instrument :
BNA_F
ClientSampleId :

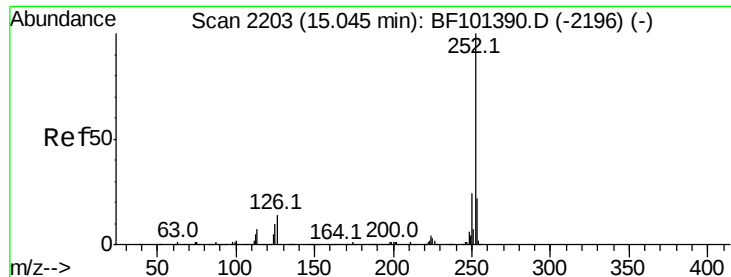
Tot Ion:228 Resp: 67181
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 21.7 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Tgt Ion:264 Resp: 236812
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.9 17.5 26.3

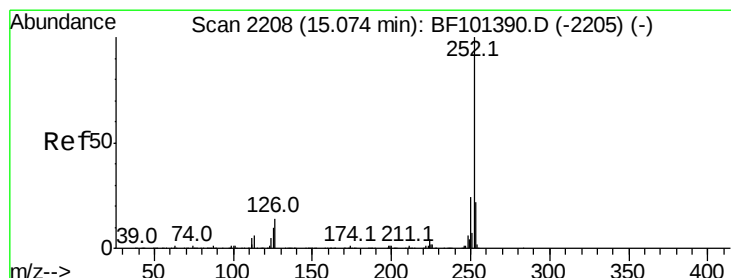
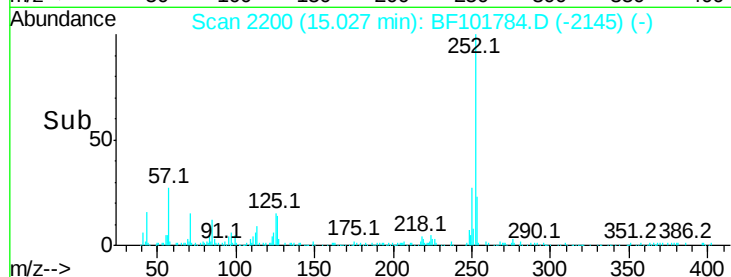
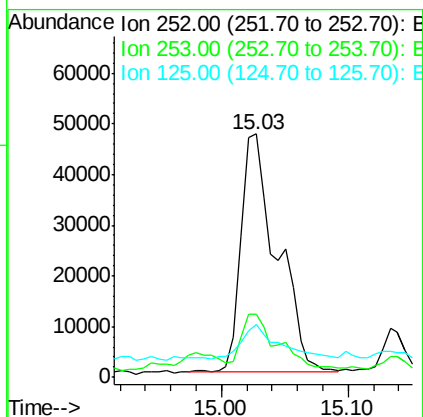
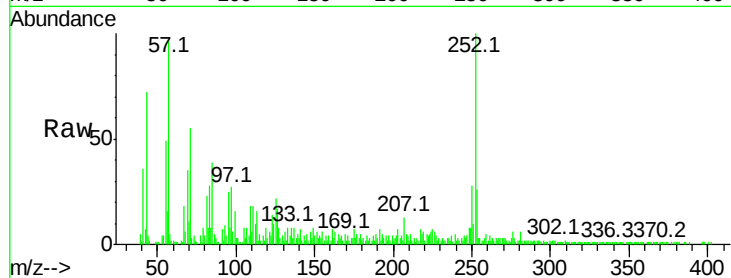




#87
Benzo(b)fluoranthene
Concen: 6.369 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.02 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

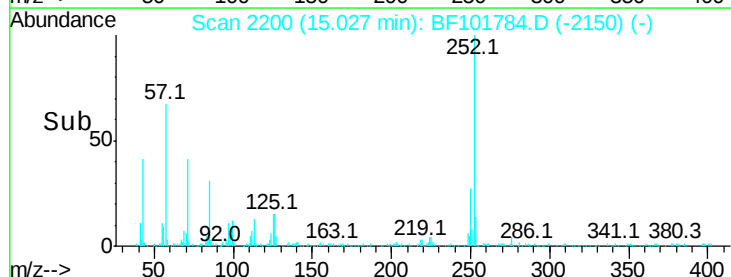
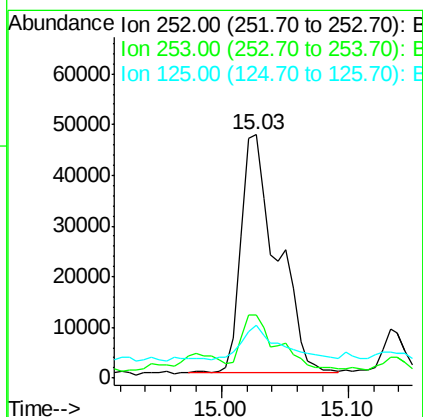
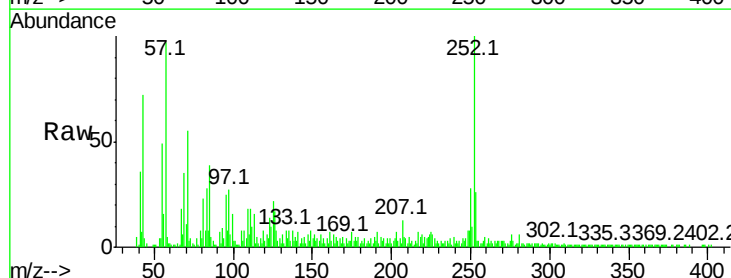
Instrument :
BNA_F
ClientSampleId :

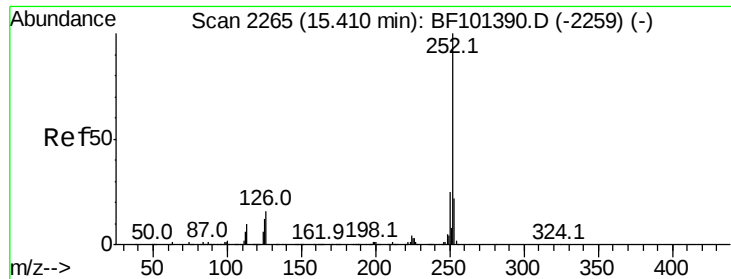
Tot Ion:252 Resp: 91932
Ion Ratio Lower Upper
252 100
253 26.0 17.0 25.6#
125 21.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.551 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF101784.D
Acq: 28 Dec 2017 1:02

Tgt Ion:252 Resp: 91932
Ion Ratio Lower Upper
252 100
253 26.0 17.9 26.9
125 21.8 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 3.305 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.02 min

Lab File: BF101784.D

Acq: 28 Dec 2017 1:02

Instrument :

BNA_F

ClientSampleId :

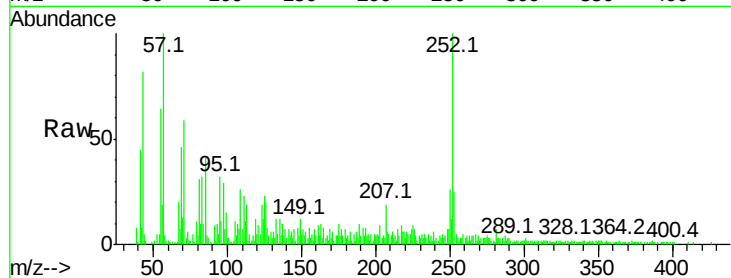
Tot Ion:252 Resp: 43983

Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

125 23.0 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

