

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101334.D
 Acq On : 12 Dec 2017 17:16
 Operator : SJ/JU
 Sample : I6872-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 00:36:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	48263	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	182921	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	75808	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	126097	20.00	ng	0.00
75) Chrysene-d12	14.01	240	111982	20.00	ng	0.00
86) Perylene-d12	15.49	264	81072	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	283123	96.94	ng	0.00
7) Phenol-d6	6.46	99	370489	104.48	ng	0.00
23) Nitrobenzene-d5	7.39	82	226676	73.92	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	62050	68.14	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	438216	79.09	ng	0.00
78) Terphenyl-d14	12.94	244	349977	68.36	ng	0.00

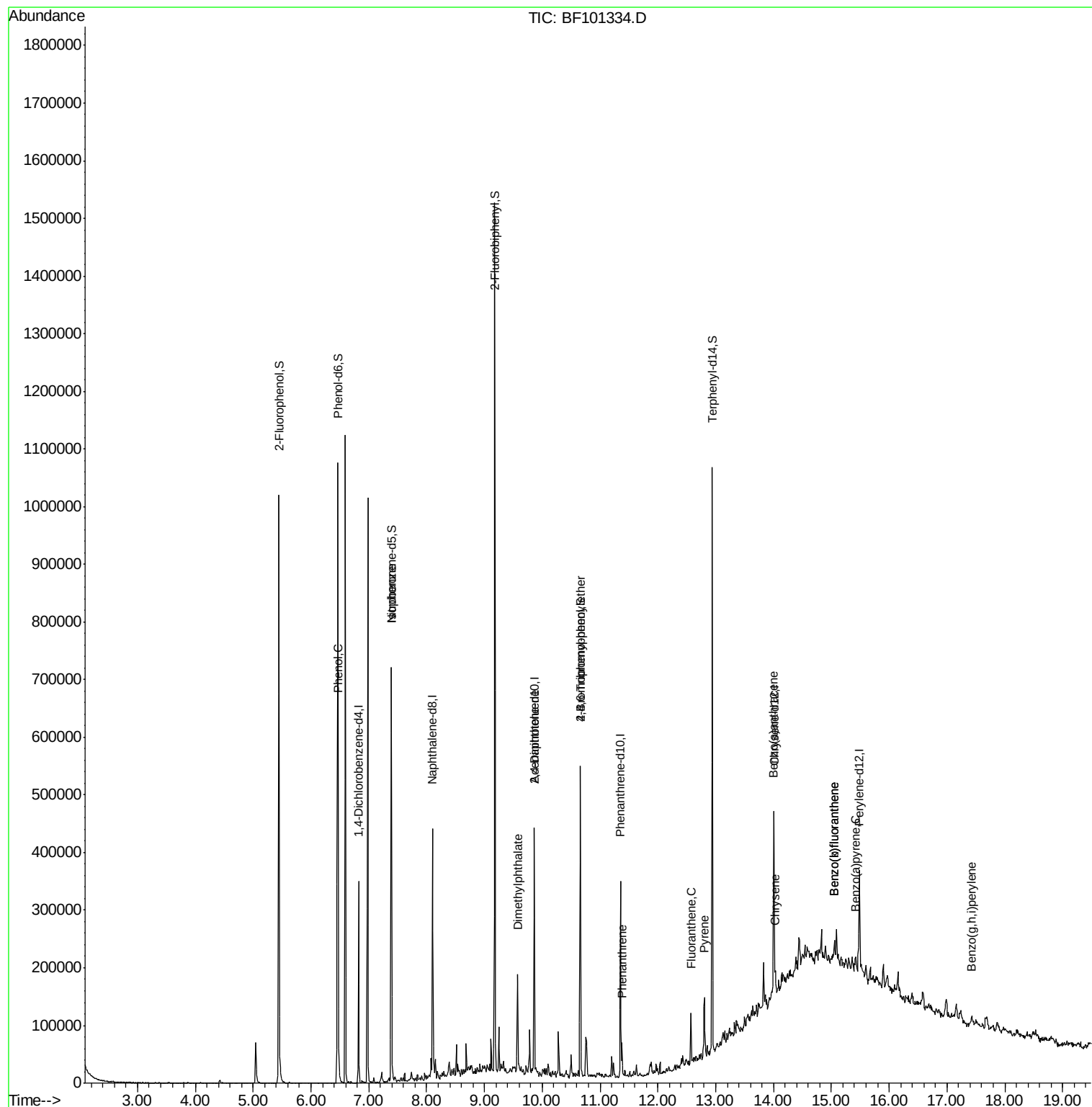
Target Compounds				Qvalue		
10) Phenol	6.47	94	13516	3.428	ng	85
25) Isophorone	7.39	82	226674	43.277	ng	# 64
49) Dimethylphthalate	9.57	163	47629	7.790	ng	99
56) 2,4-Dinitrotoluene	9.86	165	9889	5.730	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	3971	2.813	ng	# 1
70) Phenanthrene	11.37	178	21572	3.107	ng	99
74) Fluoranthene	12.57	202	36140	4.695	ng	94
77) Pyrene	12.80	202	36744	4.755	ng	98
80) Benzo(a)anthracene	14.00	228	22427	3.172	ng	# 93
82) Chrysene	14.03	228	21440	3.265	ng	# 95
87) Benzo(b)fluoranthene	15.05	252	22825	4.700	ng	# 66
88) Benzo(k)fluoranthene	15.05	252	23187	4.847	ng	# 69
89) Benzo(a)pyrene	15.42	252	12335	2.794	ng	# 87
91) Benzo(a,h,i)perylene	17.43	276	8091	2.206	ng	# 82

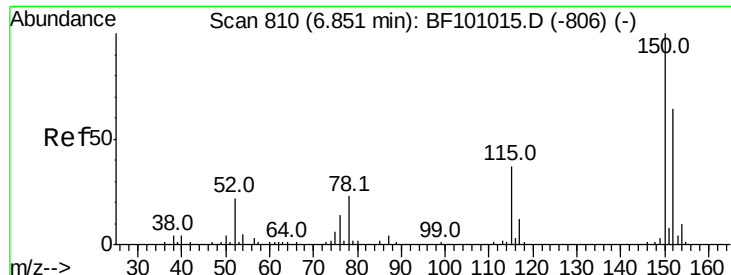
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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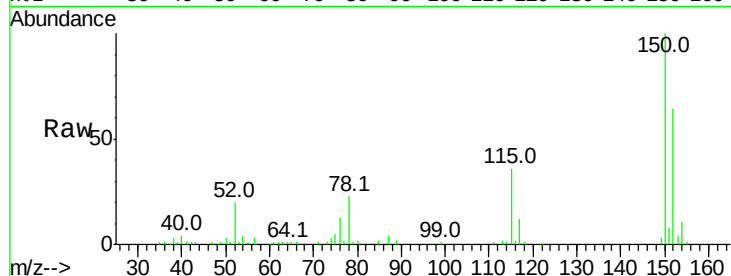


#1

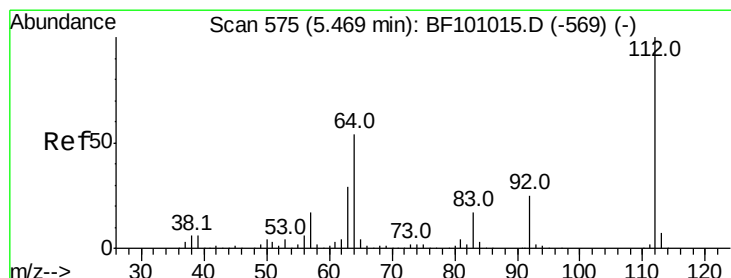
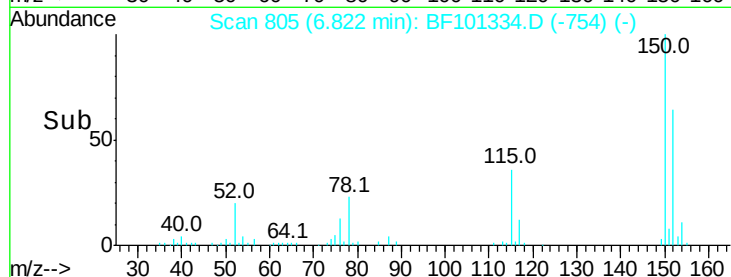
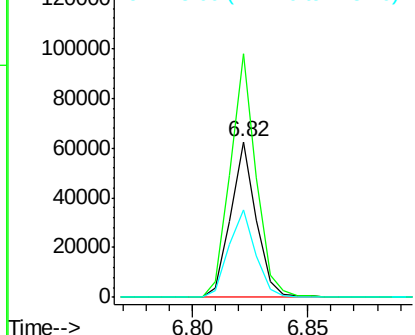
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101334.D
Acq: 12 Dec 2017 17:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 48263
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 56.1 50.1 75.1



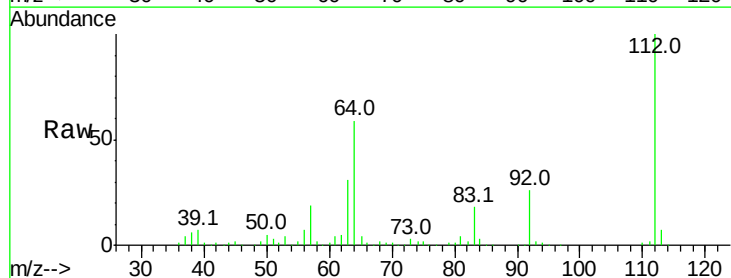
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



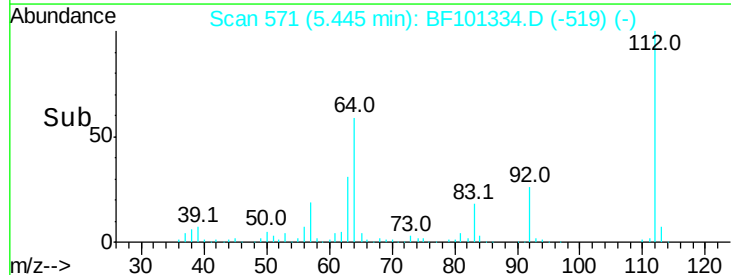
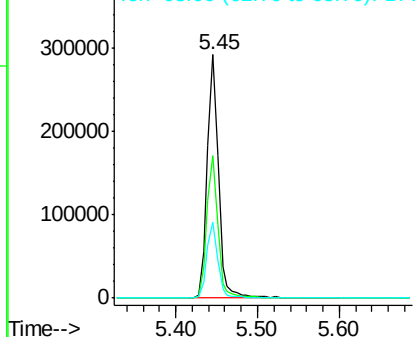
#5

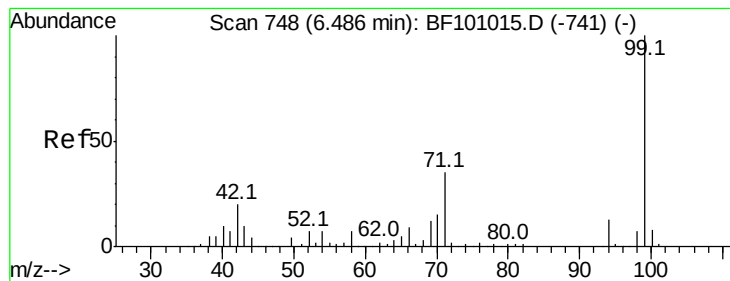
2-Fluorophenol
Concen: 96.937 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101334.D
Acq: 12 Dec 2017 17:16

Tgt Ion:112 Resp: 283123
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 31.2 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: 104.480 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

Instrument :

BNA_F

ClientSampled :

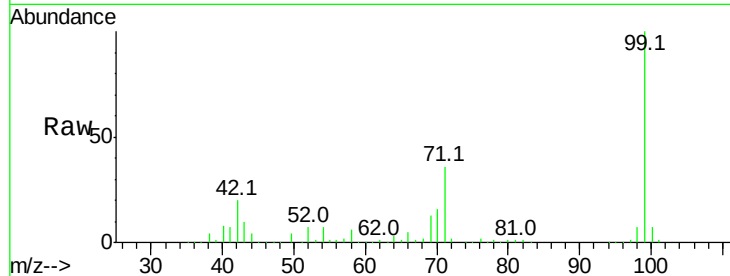
Tot Ion: 99 Resp: 370489

Ion Ratio Lower Upper

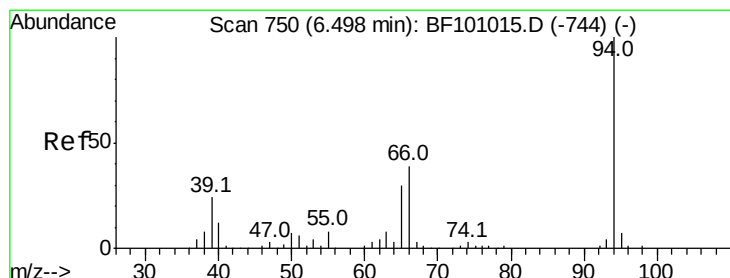
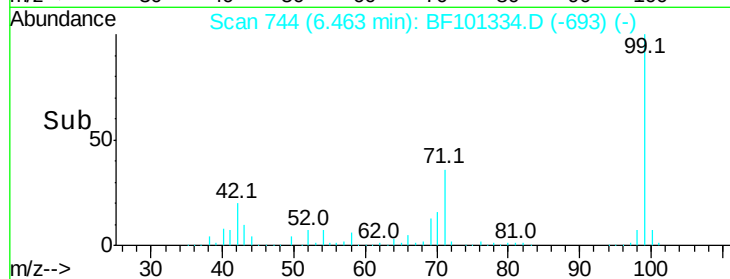
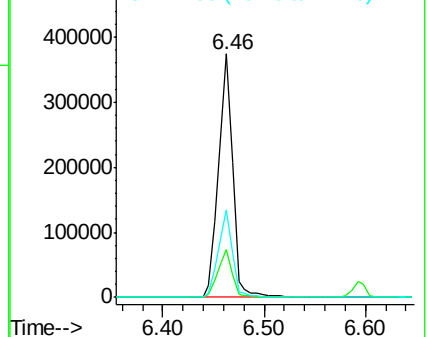
99 100

42 19.8 14.5 21.7

71 36.0 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



#10

Phenol

Concen: 3.428 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

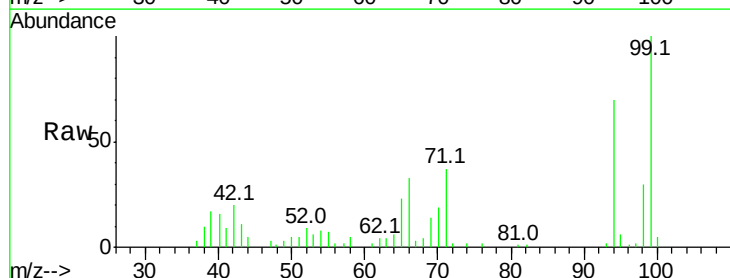
Tgt Ion: 94 Resp: 13516

Ion Ratio Lower Upper

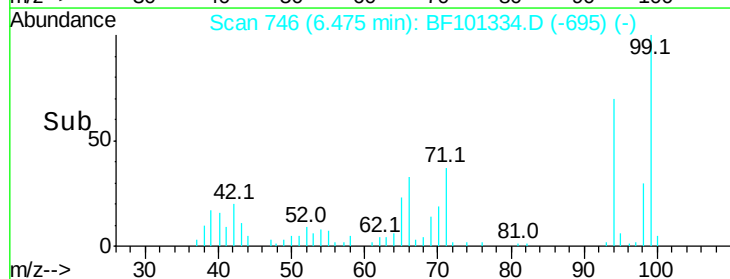
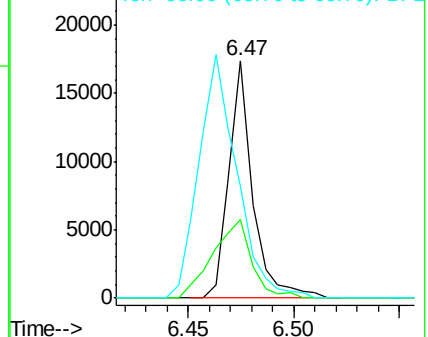
94 100

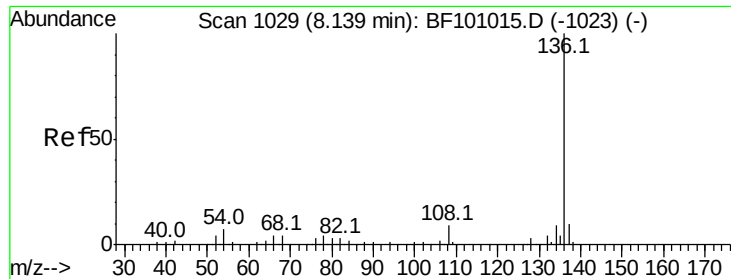
65 32.9 7.9 47.9

66 47.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

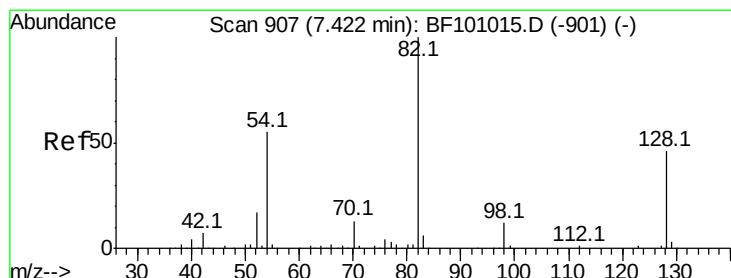
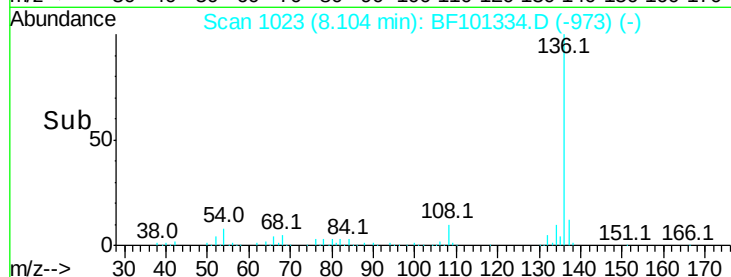
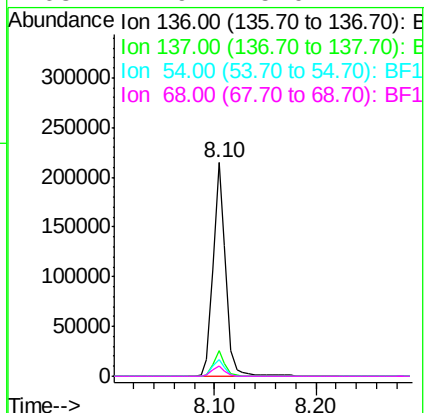
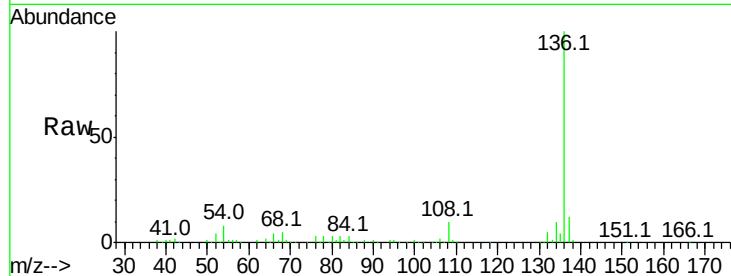




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101334.D
Acq: 12 Dec 2017 17:16

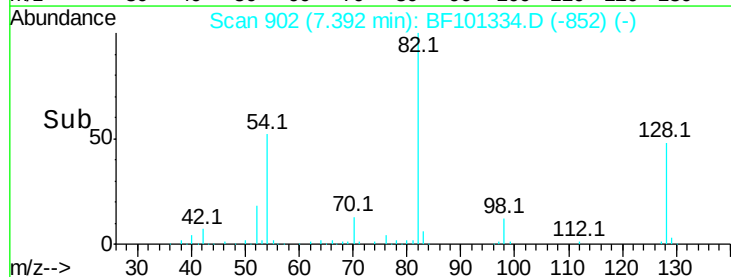
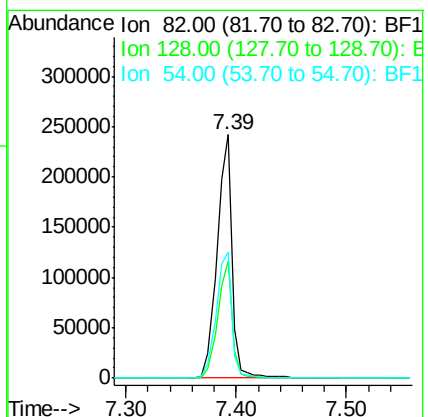
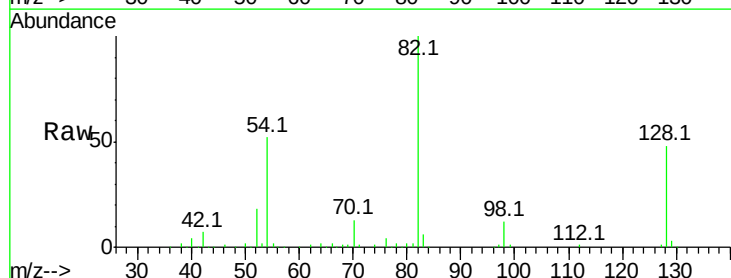
Instrument :
BNA_F
ClientSampleId :

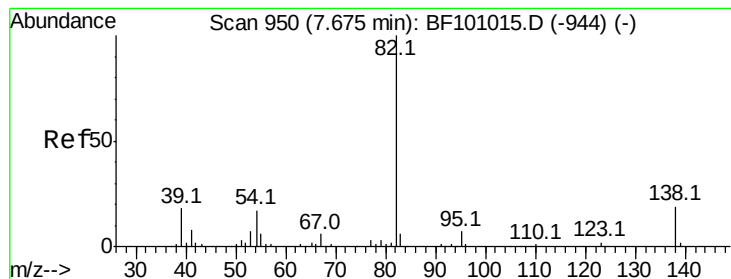
Tot Ion:136	Resp:	182921
Ion	Ratio	Lower Upper
136	100	
137	11.7	8.9 13.3
54	7.5	6.6 9.8
68	4.9	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 73.922 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101334.D
Acq: 12 Dec 2017 17:16

Tgt Ion: 82	Resp:	226676
Ion	Ratio	Lower Upper
82	100	
128	47.8	36.1 54.1
54	51.5	41.4 62.2





#25

Isophorone

Concen: 43.277 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

Instrument :

BNA_F

ClientSampleId :

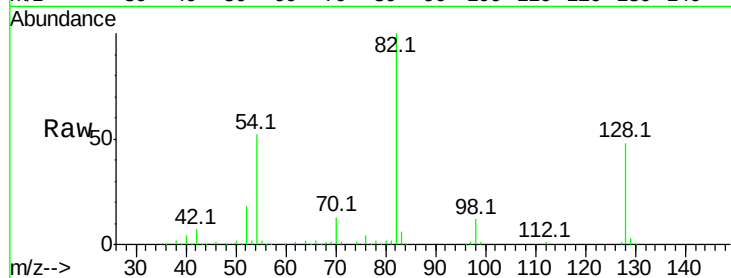
Tot Ion: 82 Resp: 226674

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

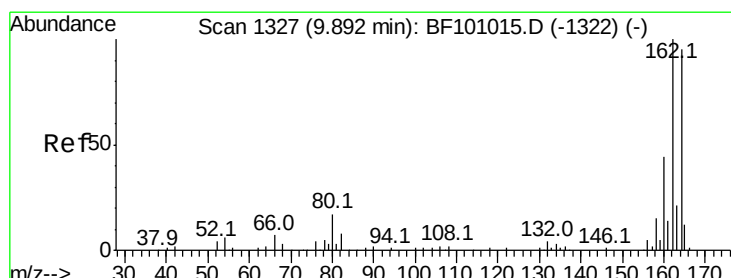
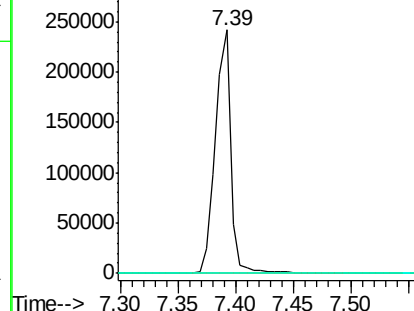
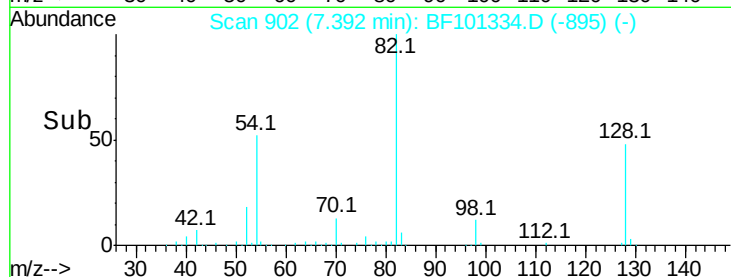
138 0.0 14.9 22.3#



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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

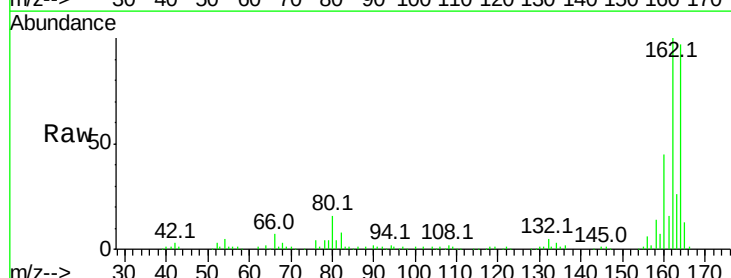
Tgt Ion:164 Resp: 75808

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

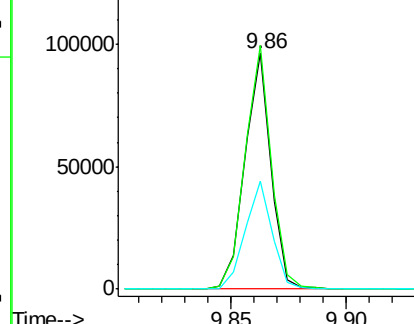
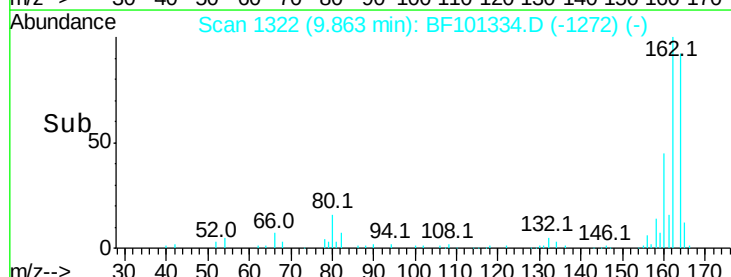
160 46.1 38.3 57.5

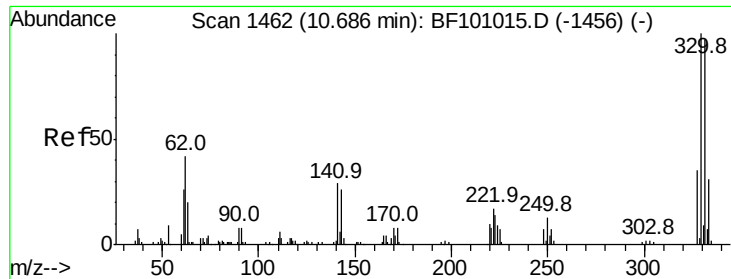


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

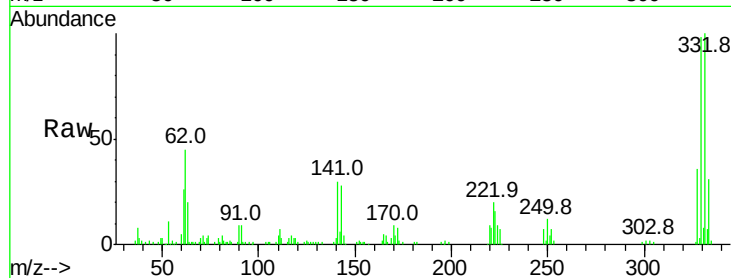




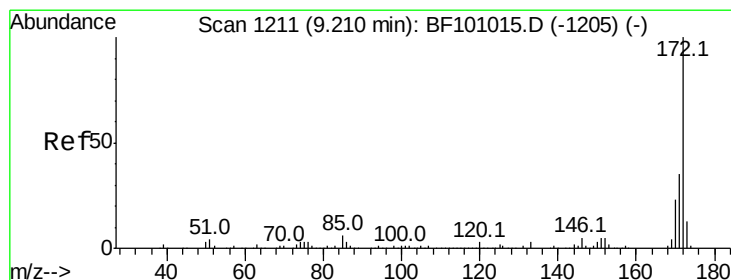
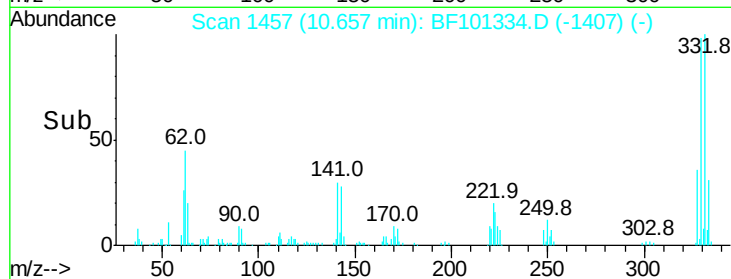
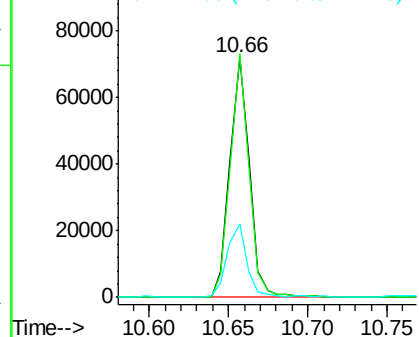
#41
 2,4,6-Tribromophenol
 Concen: 68.137 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101334.D
 Acq: 12 Dec 2017 17:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 62050
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 31.2 29.9 44.9

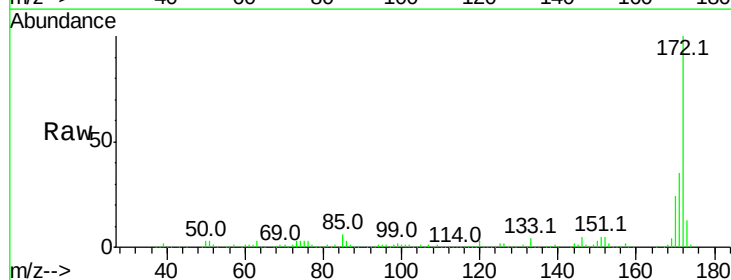


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

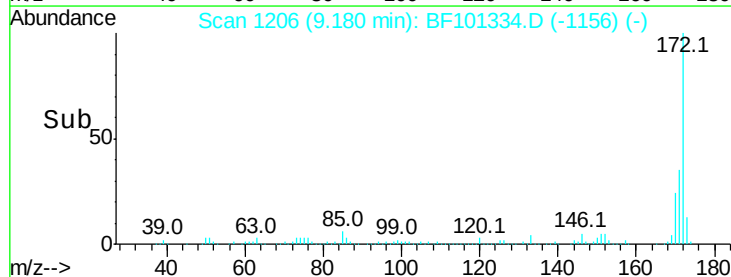
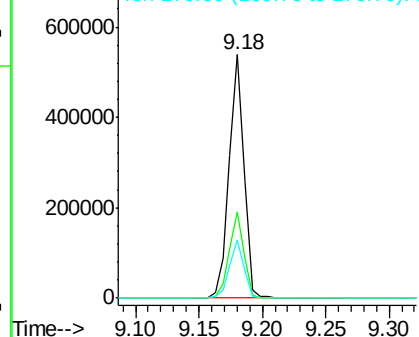


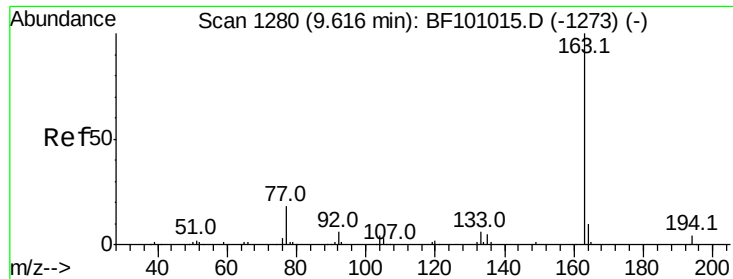
#44
 2-Fluorobiphenyl
 Concen: 79.090 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101334.D
 Acq: 12 Dec 2017 17:16

Tgt Ion:172 Resp: 438216
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.7 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

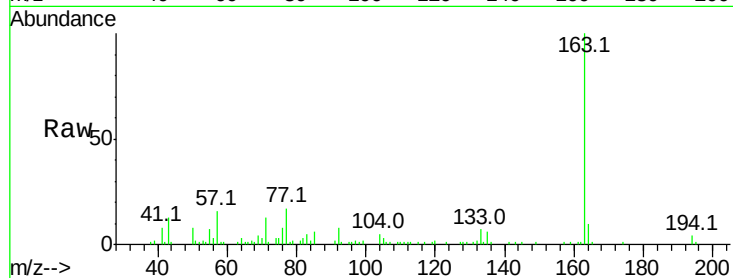




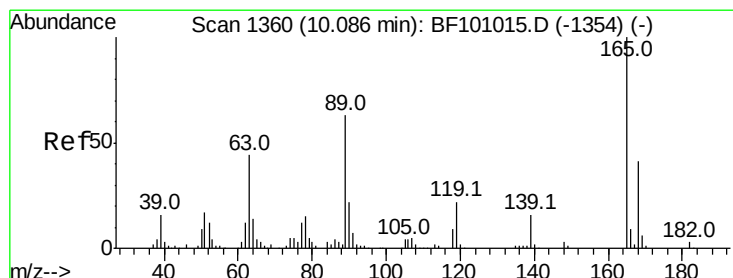
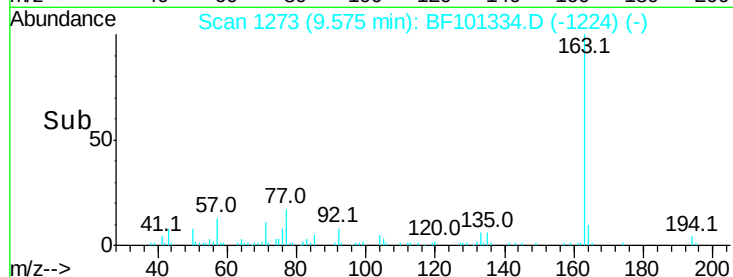
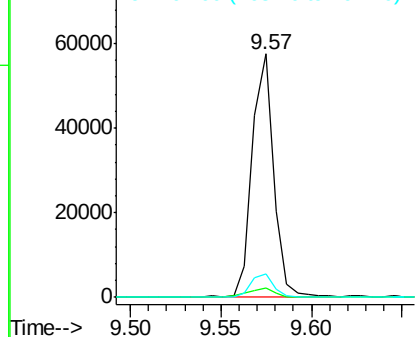
#49
Dimethylphthalate
Concen: 7.790 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101334.D
Acq: 12 Dec 2017 17:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 47629
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.9 8.2 12.2

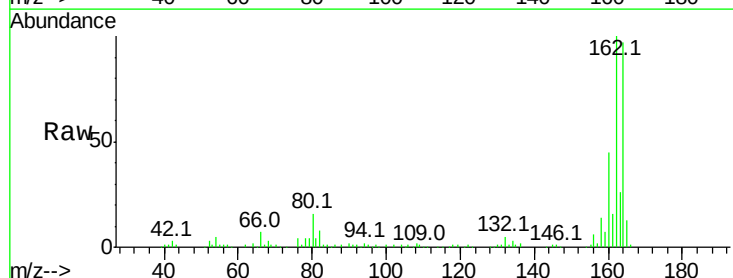


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

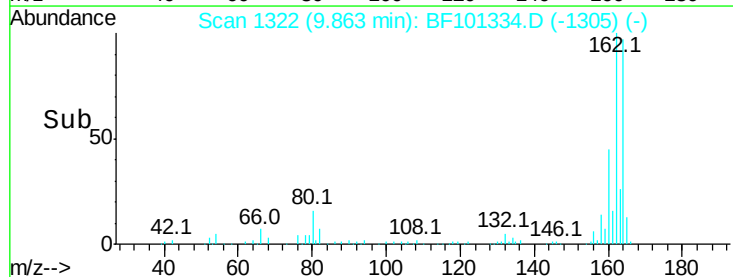
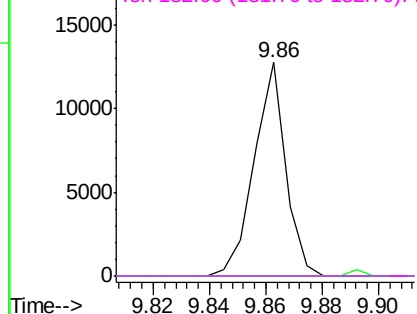


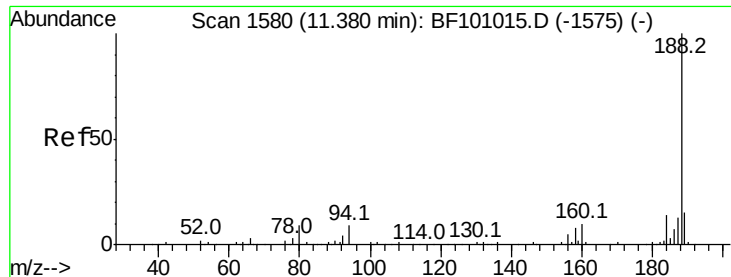
#56
2,4-Dinitrotoluene
Concen: 5.730 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.20 min
Lab File: BF101334.D
Acq: 12 Dec 2017 17:16

Tgt Ion:165 Resp: 9889
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 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

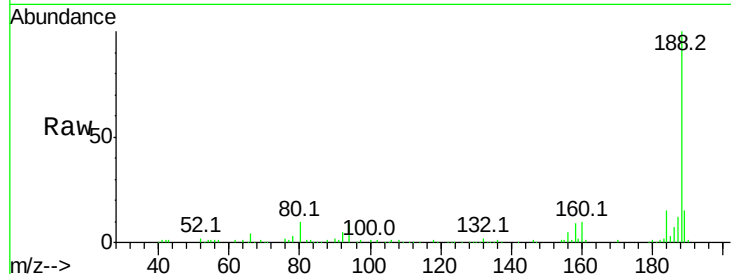




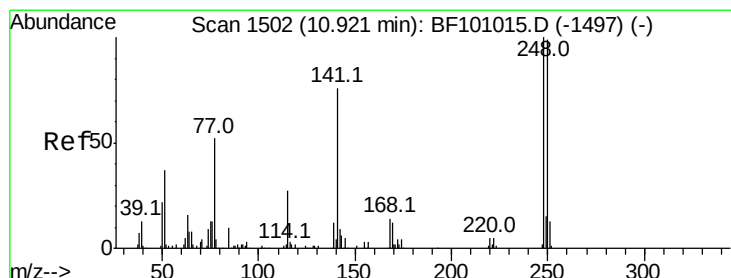
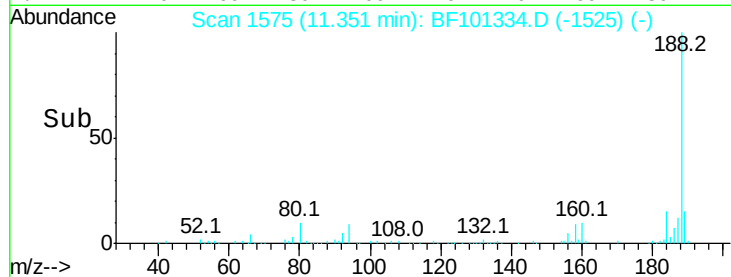
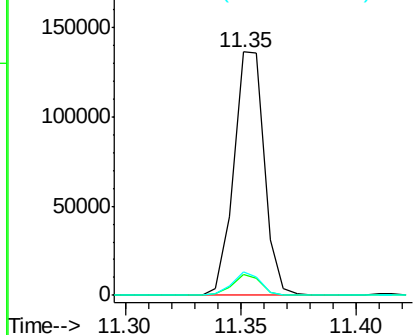
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF101334.D
 Acq: 12 Dec 2017 17:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.8	9.2	13.8

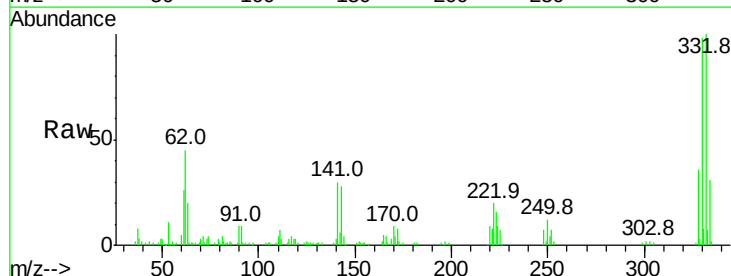


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

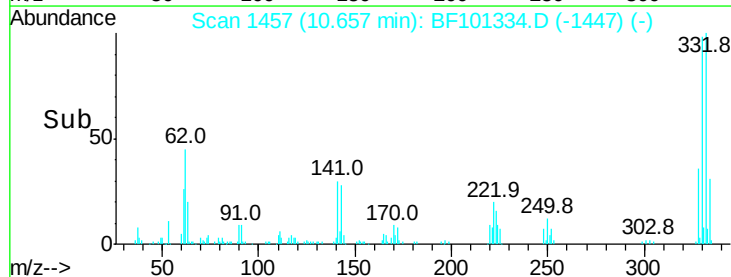
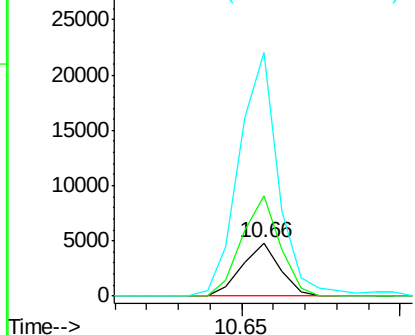


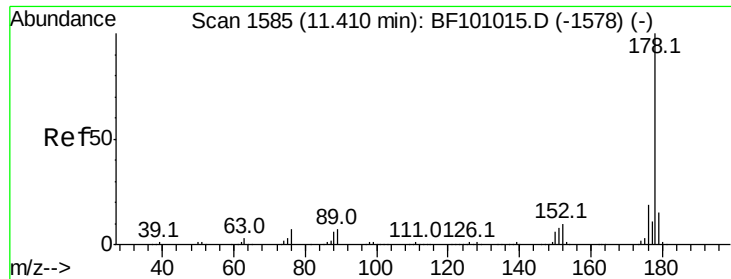
#66
 4-Bromophenyl-phenylether
 Concen: 2.813 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.24 min
 Lab File: BF101334.D
 Acq: 12 Dec 2017 17:16

Tgt Ion	Ratio	Lower	Upper
248	100		
250	188.4	76.9	115.3#
141	458.3	74.4	111.6#



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





#70

Phenanthrene

Concen: 3.107 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

Instrument :

BNA_F

ClientSampleId :

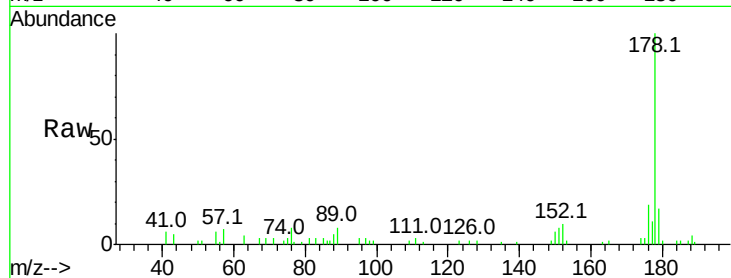
Tot Ion:178 Resp: 21572

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

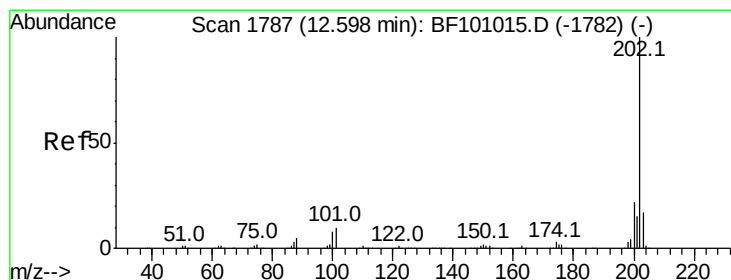
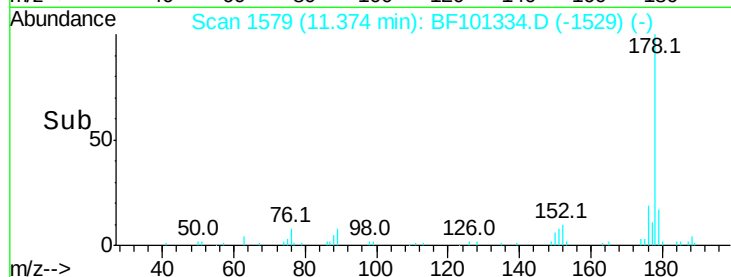
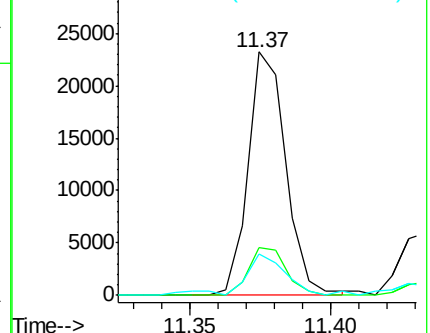
179 17.1 13.0 19.6



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: 4.695 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

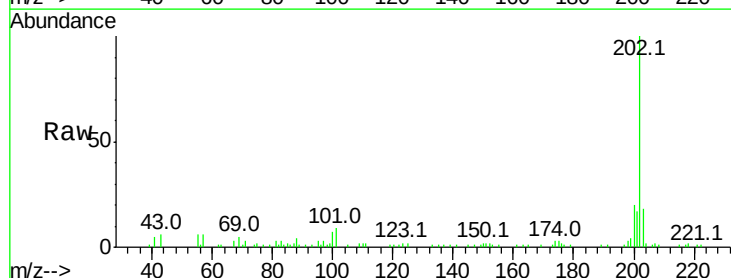
Tgt Ion:202 Resp: 36140

Ion Ratio Lower Upper

202 100

101 8.9 0.0 34.1

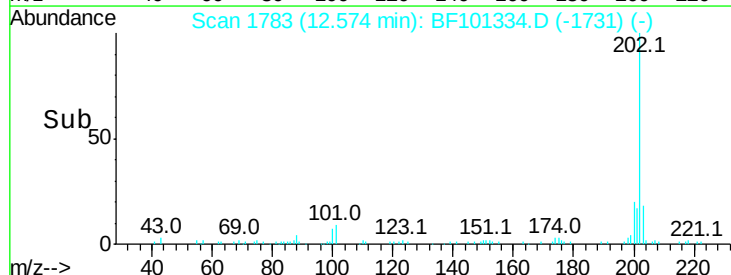
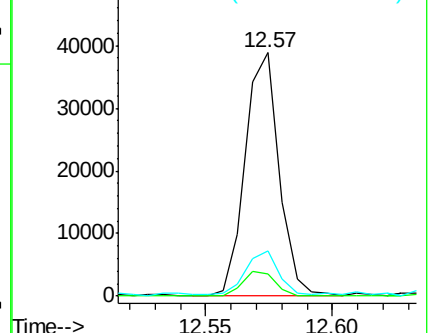
203 18.4 0.0 38.1

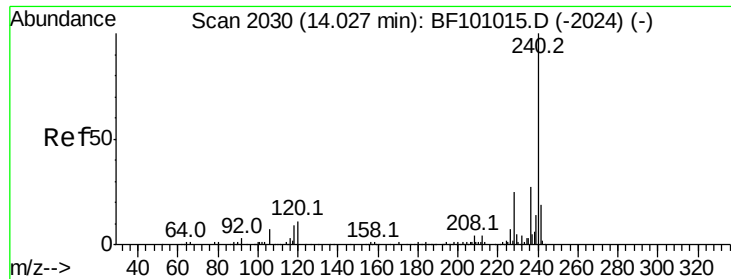


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

Instrument :

BNA_F

ClientSampleId :

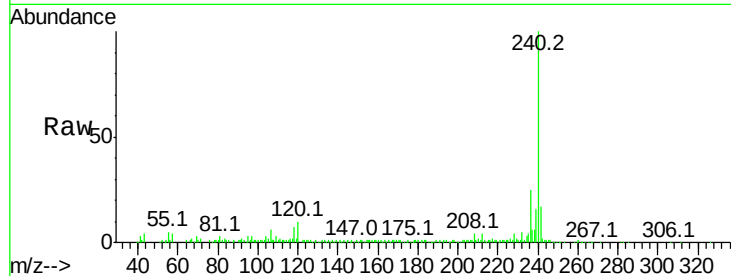
Tot Ion:240 Resp: 111982

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

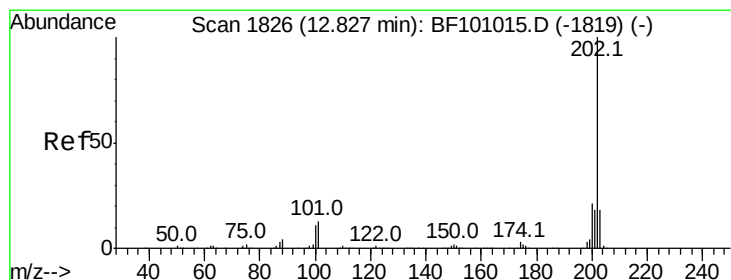
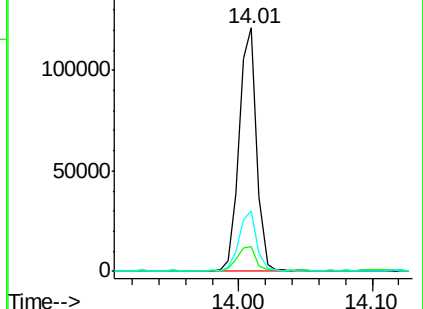
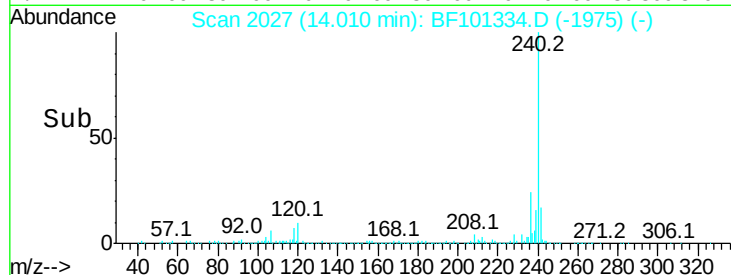
236 24.7 20.7 31.1



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: 4.755 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

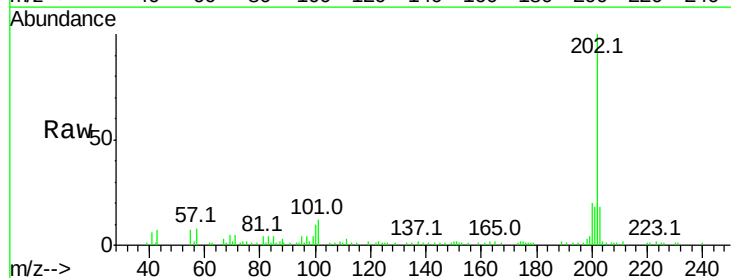
Tgt Ion:202 Resp: 36744

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

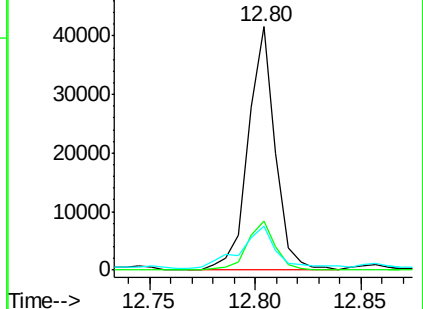
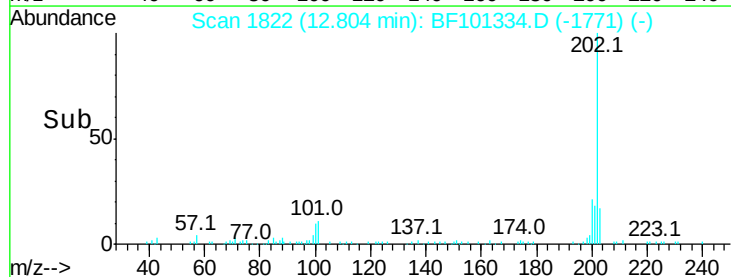
203 18.3 14.3 21.5

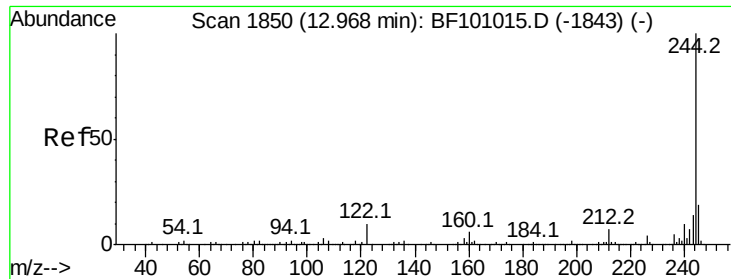


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.358 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

Instrument :

BNA_F

ClientSampleId :

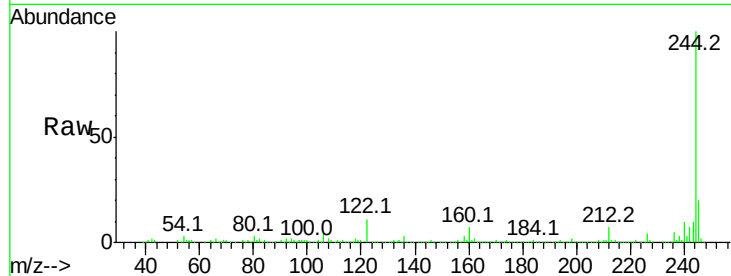
Tot Ion:244 Resp: 349977

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

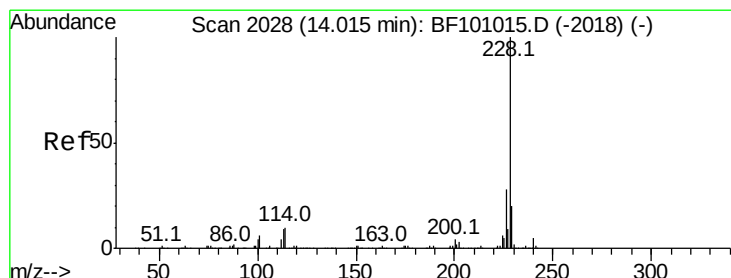
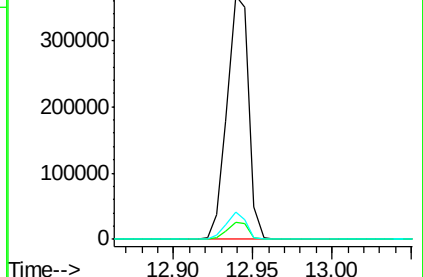
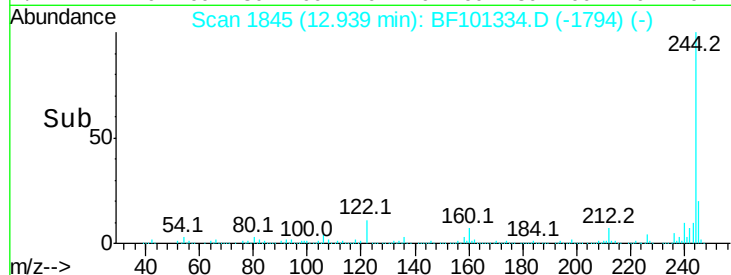
122 11.3 11.0 16.4



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: 3.172 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

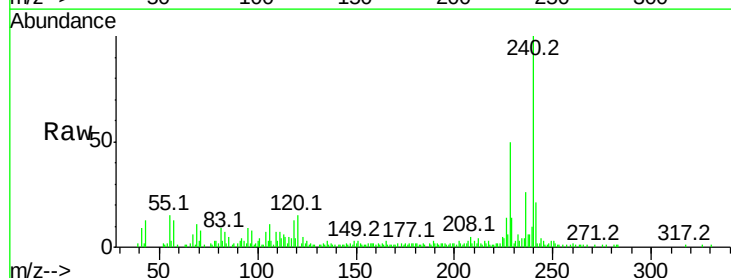
Tgt Ion:228 Resp: 22427

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

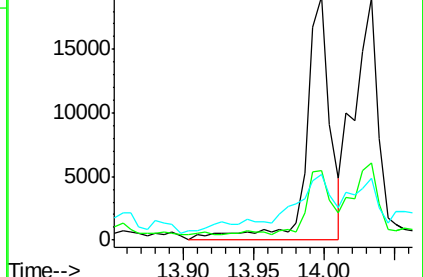
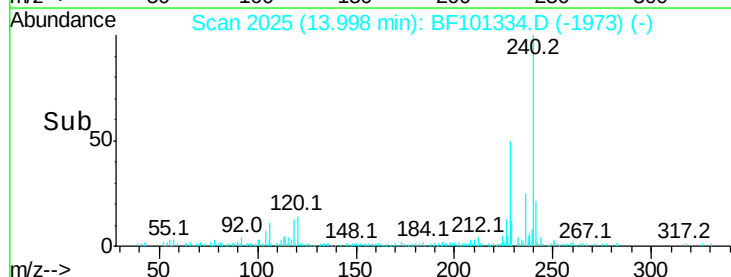
229 27.1 15.8 23.6#

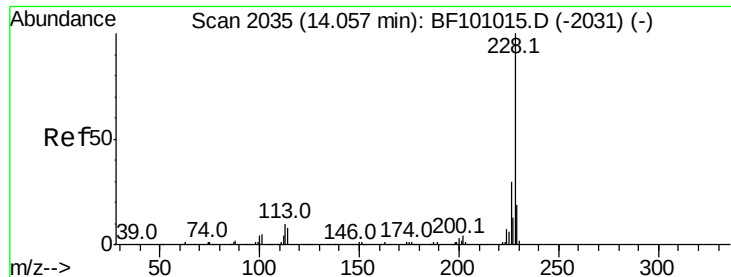


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.265 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

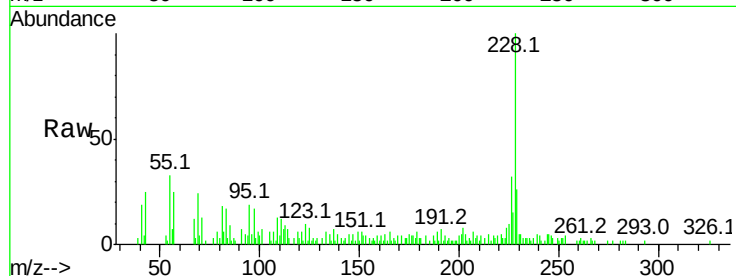
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 21440

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	25.7	16.2	24.4

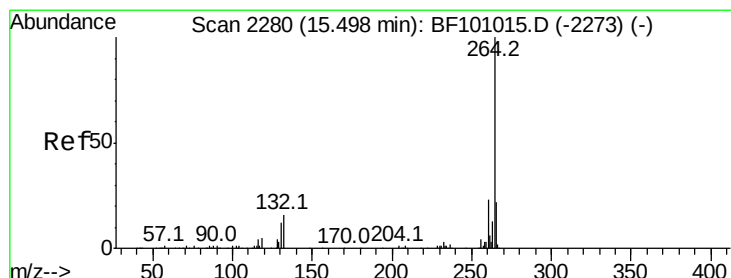
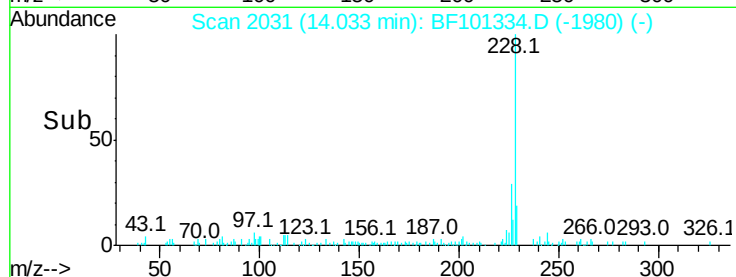
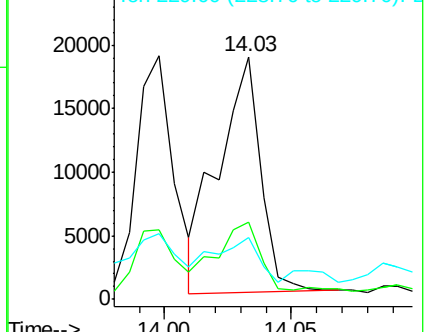


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

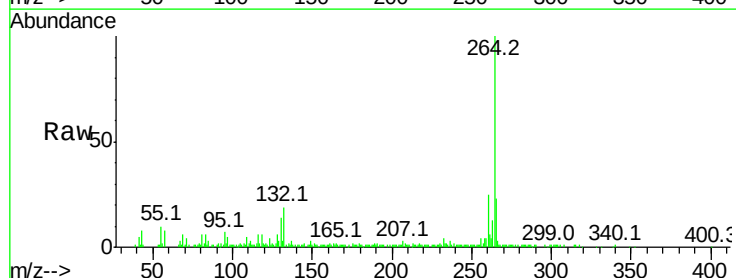
Delta R.T. 0.02 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

Tgt Ion:264 Resp: 81072

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.8	17.5	26.3

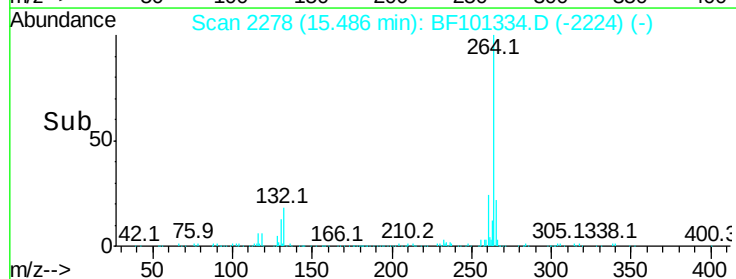
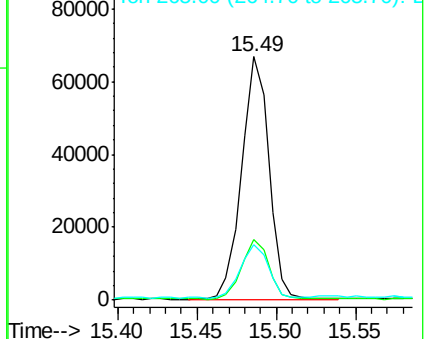


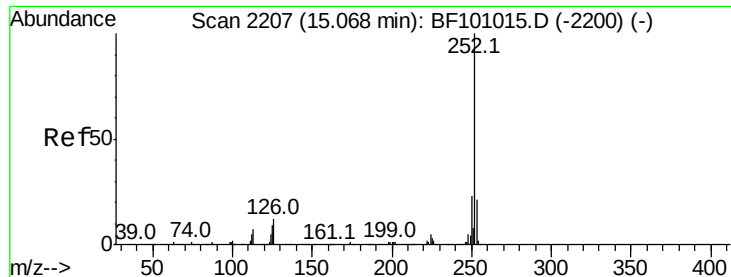
Abundance

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

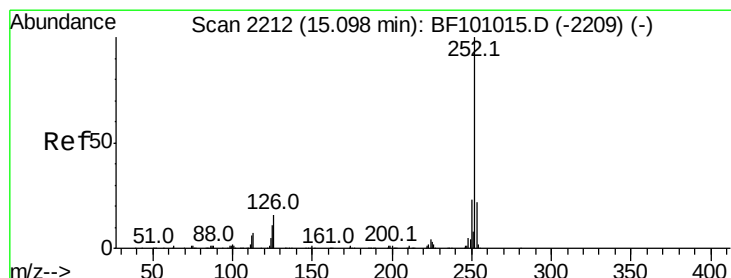
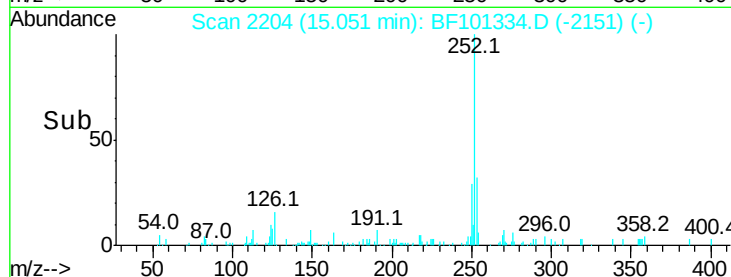
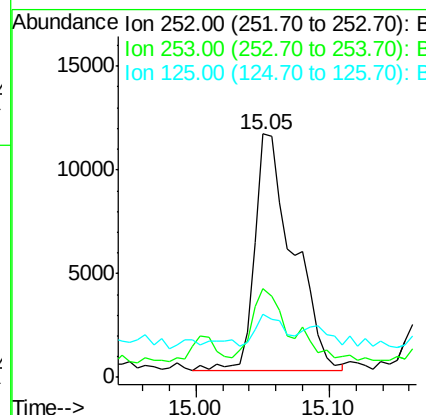
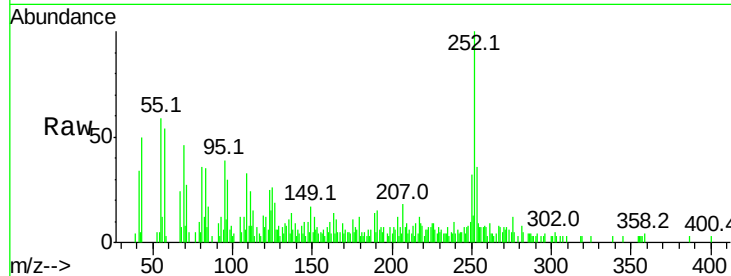




#87
Benzo(b)fluoranthene
Concen: 4.700 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101334.D
Acq: 12 Dec 2017 17:16

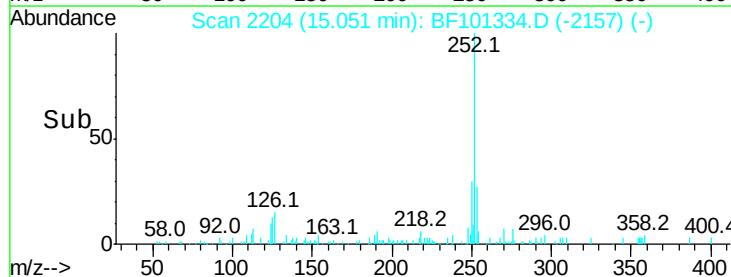
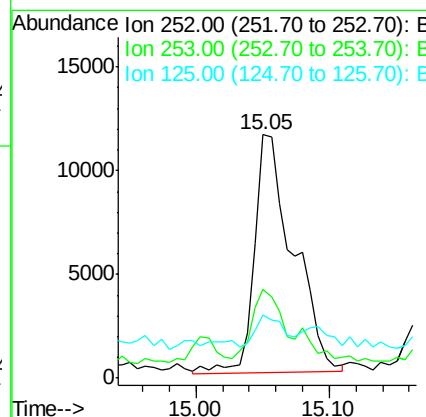
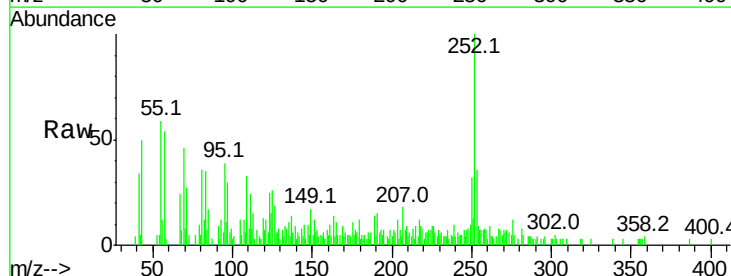
Instrument :
BNA_F
ClientSampleId :

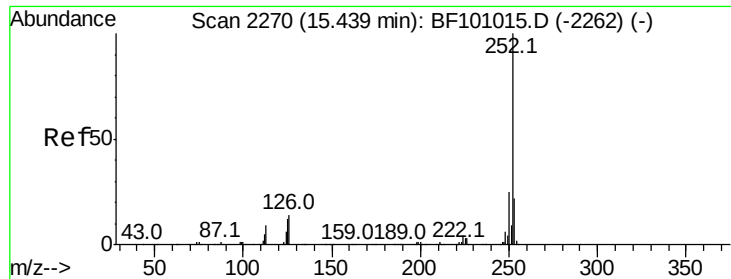
Tot Ion	Ratio	Lower	Upper
252	100		
253	36.2	17.0	25.6#
125	26.1	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 4.847 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101334.D
Acq: 12 Dec 2017 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.2	17.9	26.9#
125	26.1	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 2.794 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

Instrument :

BNA_F

ClientSampleId :

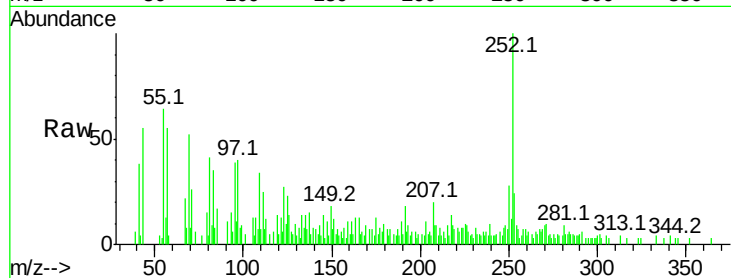
Tot Ion:252 Resp: 12335

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

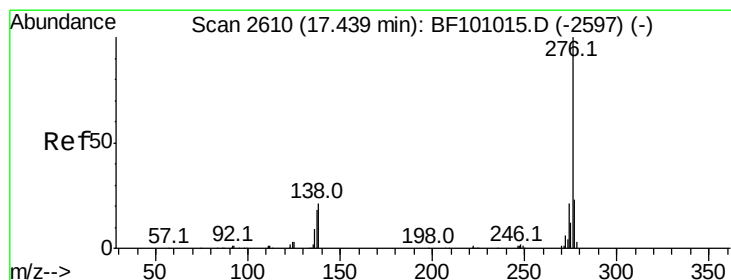
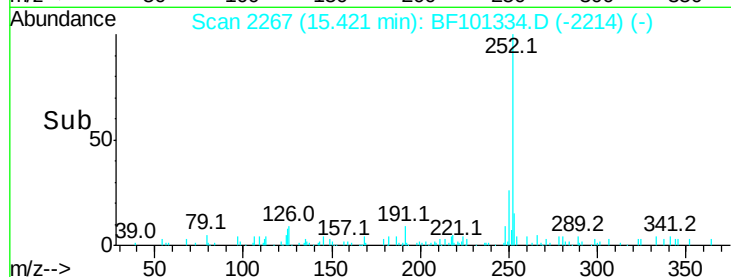
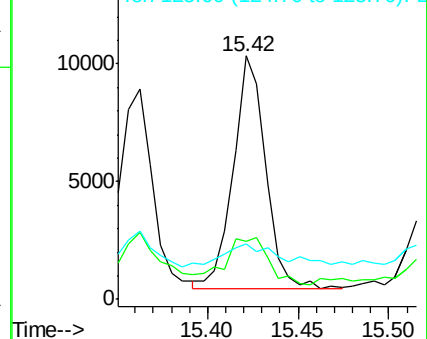
125 22.7 9.8 14.6#



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(g,h,i)perylene

Concen: 2.206 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.04 min

Lab File: BF101334.D

Acq: 12 Dec 2017 17:16

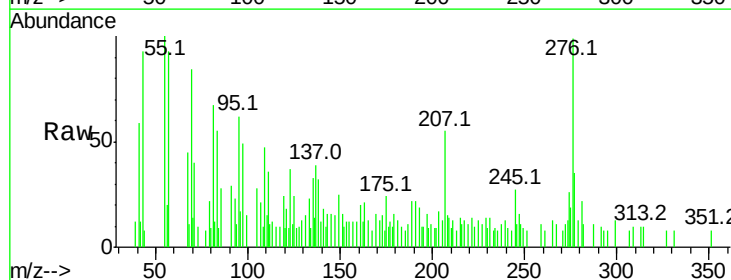
Tgt Ion:276 Resp: 8091

Ion Ratio Lower Upper

276 100

277 35.6 17.9 26.9#

138 32.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

