

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101344.D
 Acq On : 12 Dec 2017 21:47
 Operator : SJ/JU
 Sample : I6822-11 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 00:42:31 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

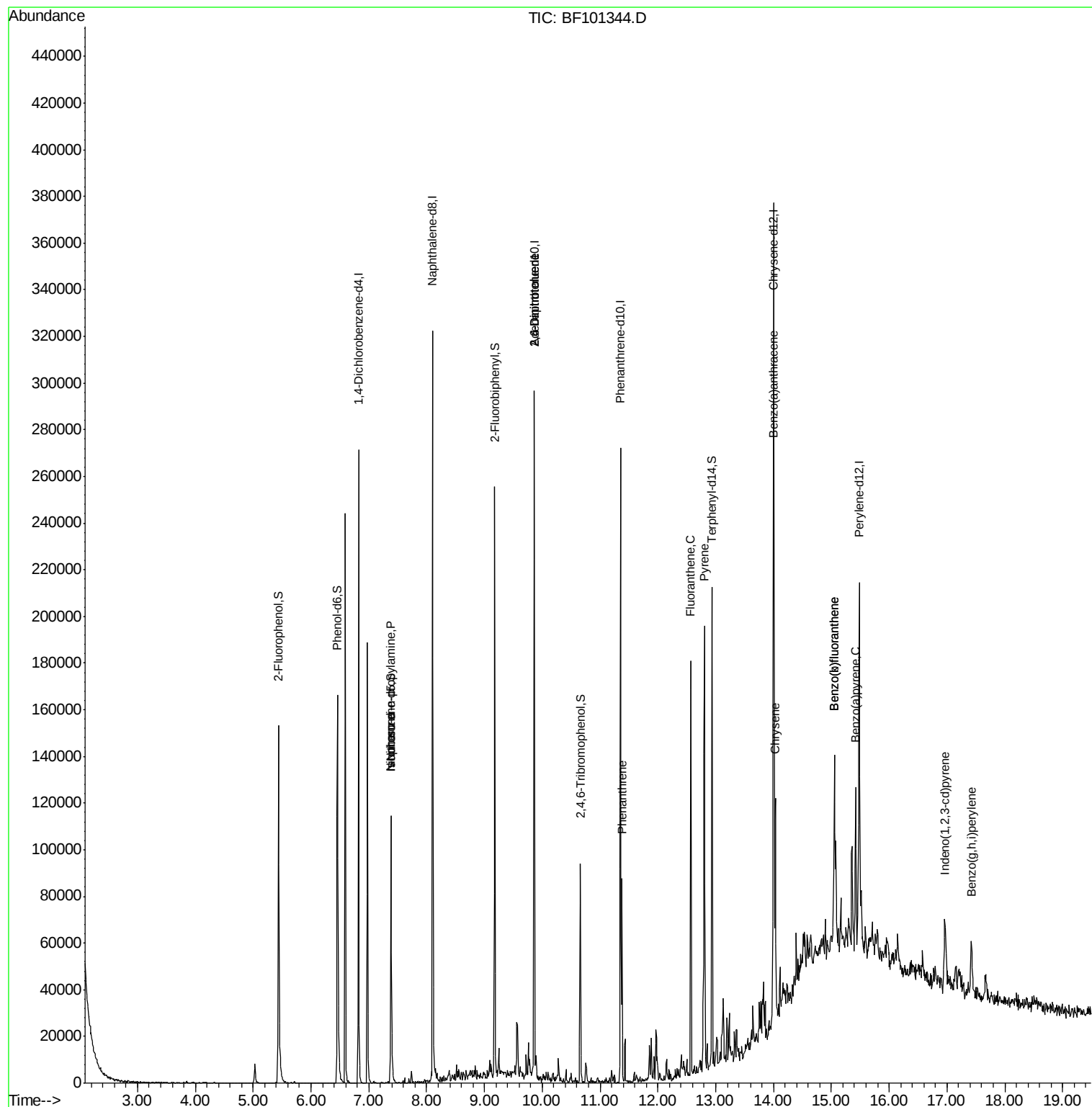
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	39215	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	142870	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	56552	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	101661	20.00	ng	0.00
75) Chrysene-d12	14.00	240	97727	20.00	ng	0.00
86) Perylene-d12	15.49	264	75519	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	56107	23.64	ng	0.00
7) Phenol-d6	6.46	99	68353	23.72	ng	0.00
23) Nitrobenzene-d5	7.39	82	39131	16.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	13245	19.50	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	77895	18.85	ng	-0.01
78) Terphenyl-d14	12.94	244	69599	15.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	5123	2.640	ng	# 74
25) Isophorone	7.39	82	39131	9.565	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	7186	7.481	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	7186	5.582	ng	# 21
70) Phenanthrene	11.37	178	35182	6.284	ng	99
74) Fluoranthene	12.57	202	73781	11.889	ng	95
77) Pyrene	12.80	202	75656	11.219	ng	98
80) Benzo(a)anthracene	13.99	228	43274	7.013	ng	99
82) Chrysene	14.03	228	38360	6.694	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	17929	3.519	ng	# 89
87) Benzo(b)fluoranthene	15.05	252	57280	12.663	ng	95
88) Benzo(k)fluoranthene	15.05	252	57280	12.853	ng	98
89) Benzo(a)pyrene	15.42	252	30578	7.436	ng	99
91) Benzo(a,h,i)perylene	17.43	276	17982	5.263	ng	# 90

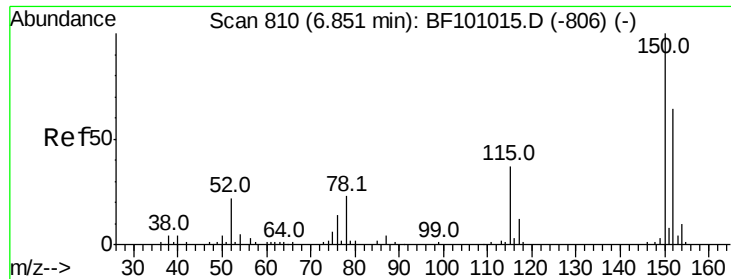
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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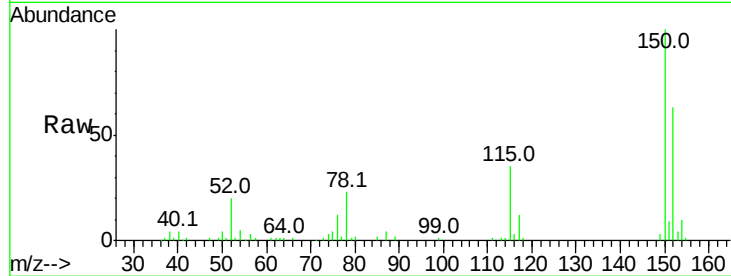


#1

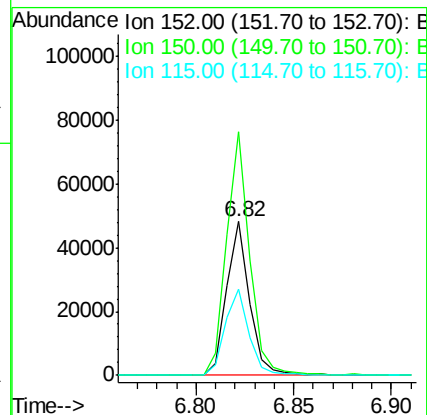
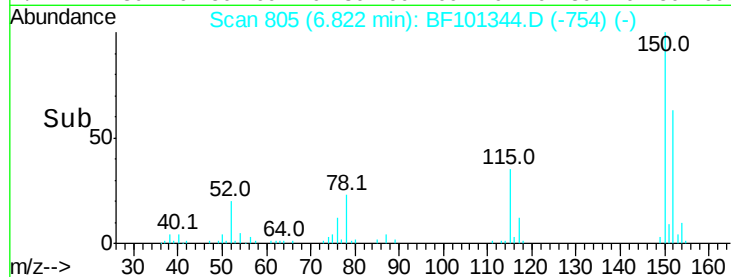
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 39215
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 56.2 50.1 75.1



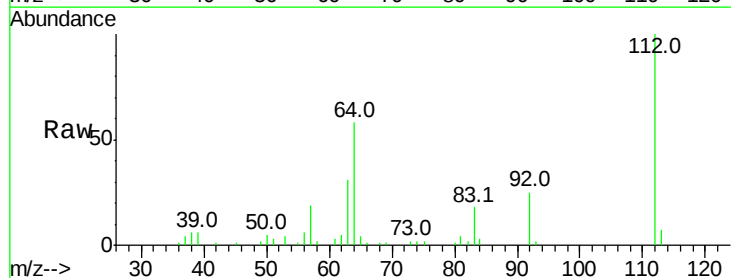
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



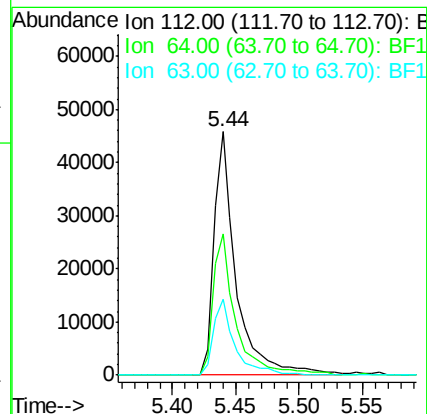
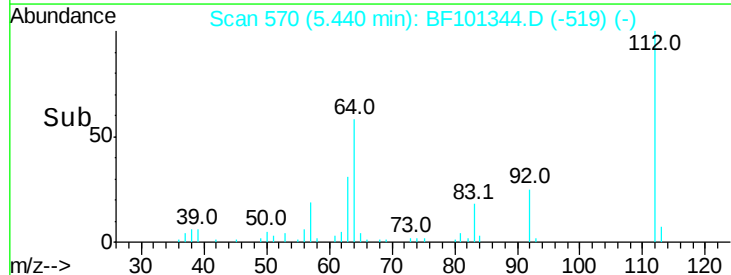
#5

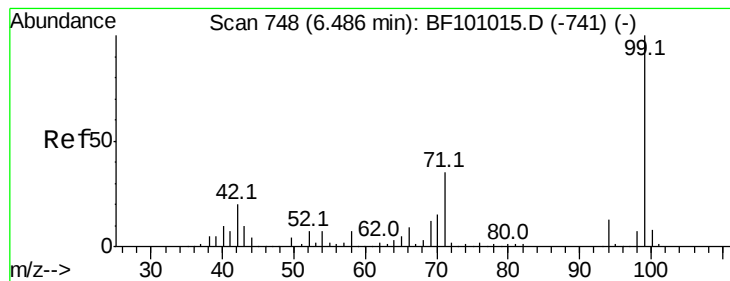
2-Fluorophenol
Concen: 23.642 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Tgt Ion:112 Resp: 56107
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 31.0 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: 23.723 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Instrument :

BNA_F

ClientSampled :

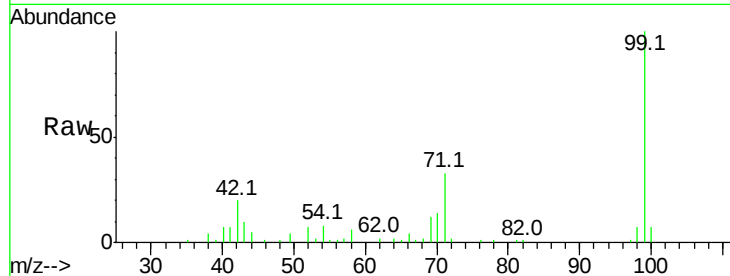
Tot Ion: 99 Resp: 68353

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

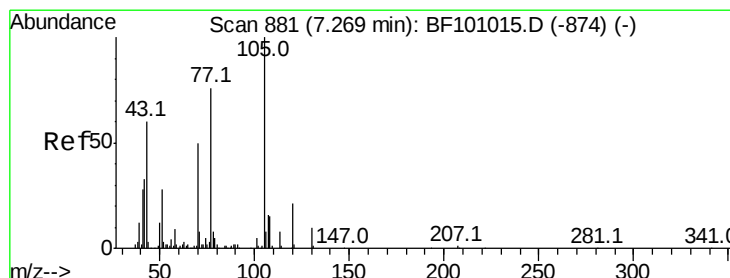
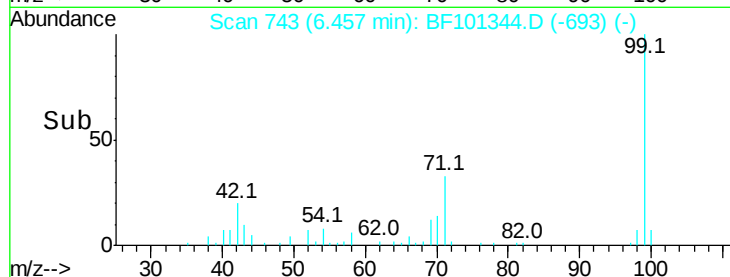
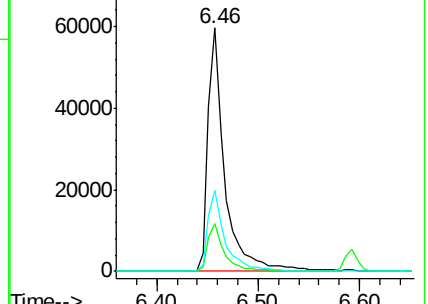
71 33.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.640 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Tgt Ion: 70 Resp: 5123

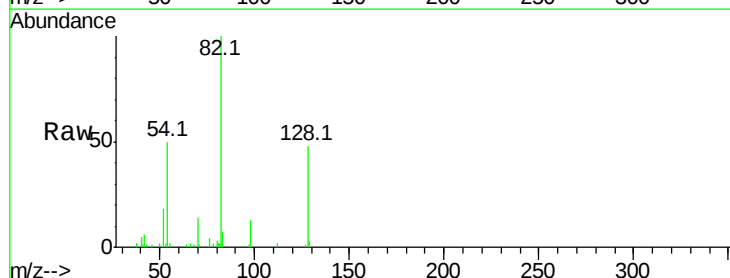
Ion Ratio Lower Upper

70 100

42 45.2 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

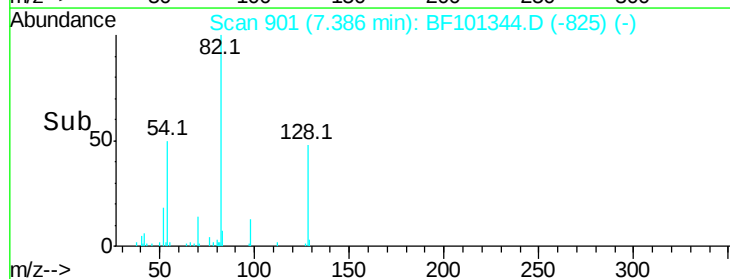
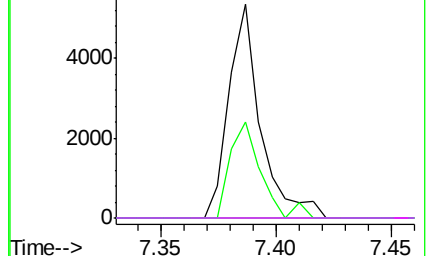


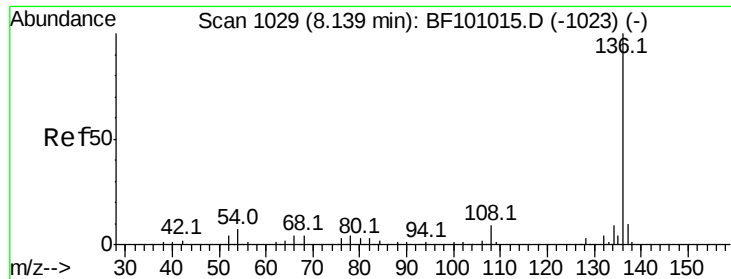
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

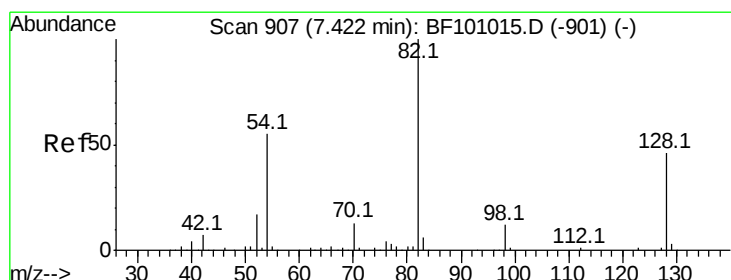
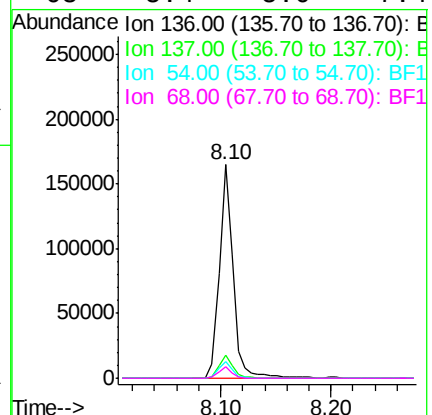
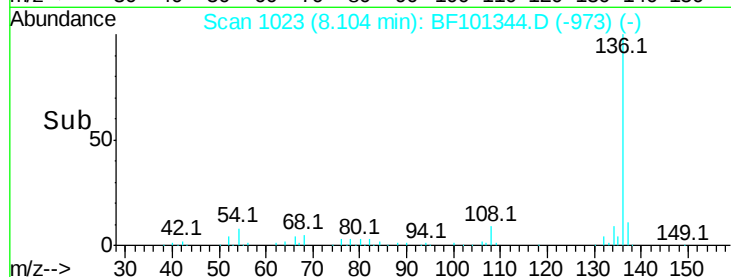
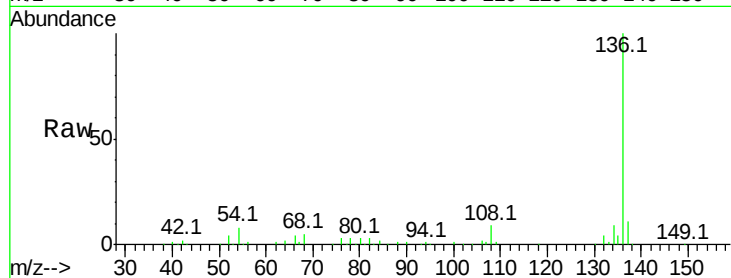




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

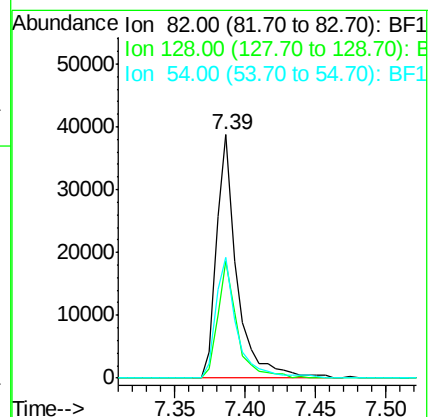
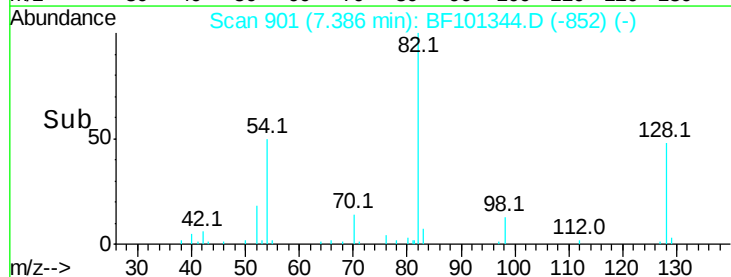
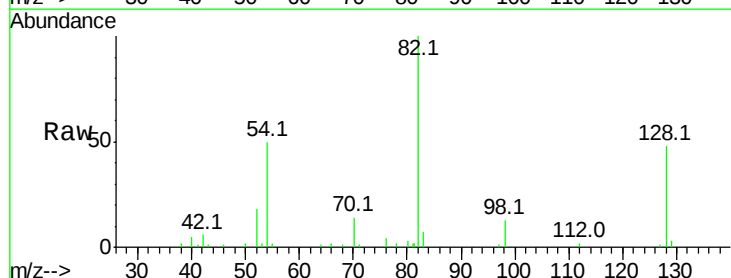
Instrument :
BNA_F
ClientSampleId :

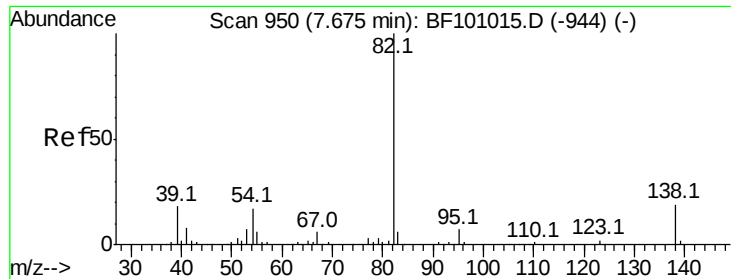
Tot Ion:	136	Resp:	142870
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.8	6.6	9.8
68	5.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 16.339 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Tgt Ion:	82	Resp:	39131
Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.1	54.1
54	49.8	41.4	62.2





#25

Isophorone

Concen: 9.565 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Instrument :

BNA_F

ClientSampleId :

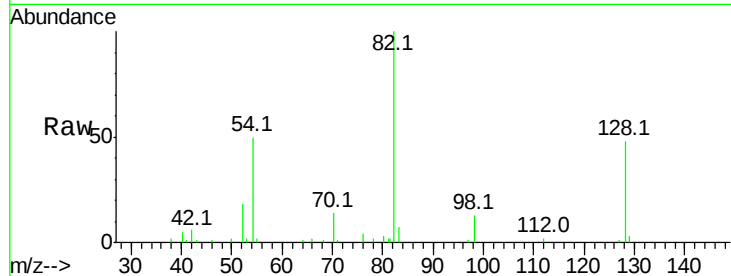
Tot Ion: 82 Resp: 39131

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

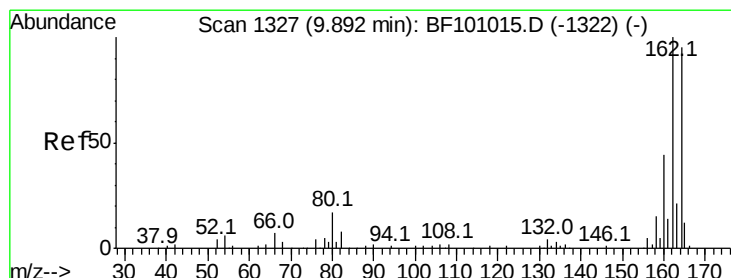
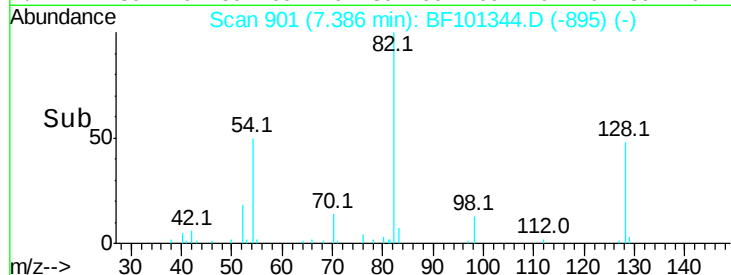
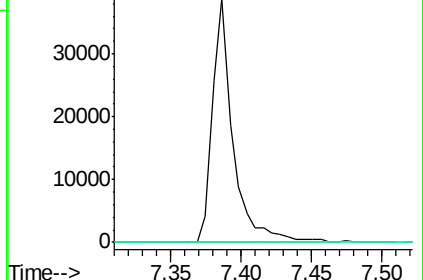
138 0.0 14.9 22.3#



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: BF101344.D

Acq: 12 Dec 2017 21:47

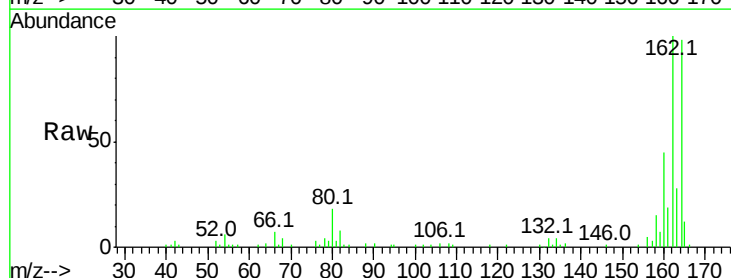
Tgt Ion:164 Resp: 56552

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

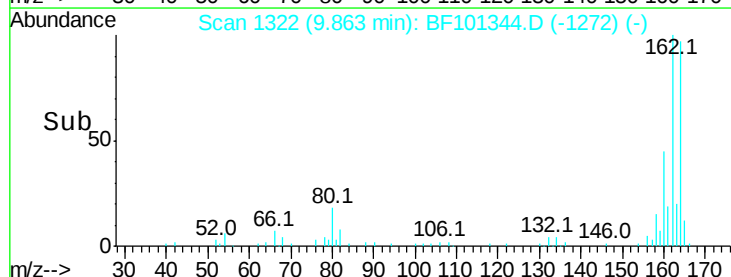
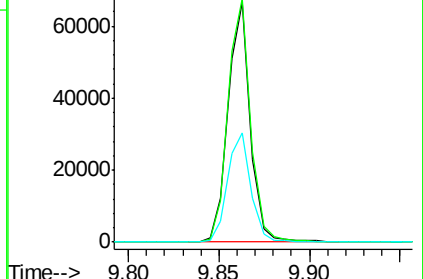
160 45.7 38.3 57.5

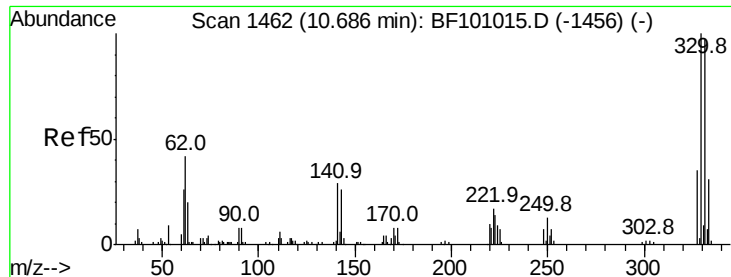


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

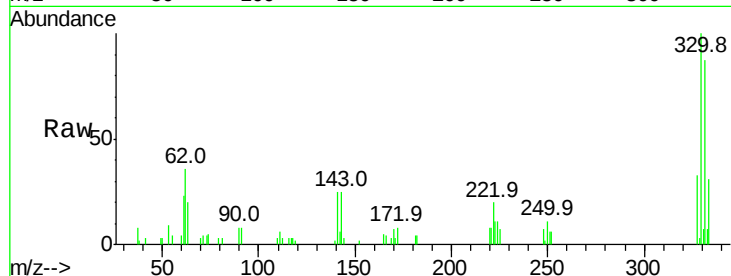




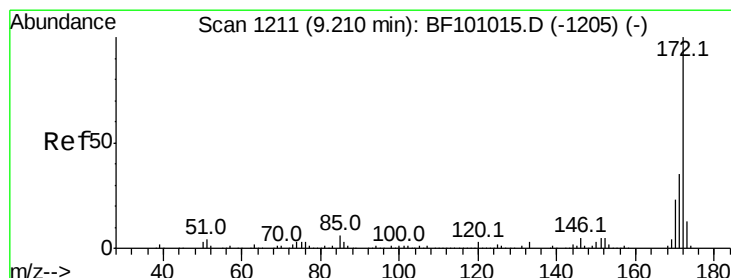
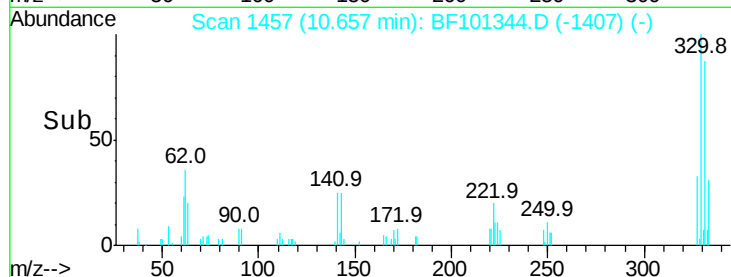
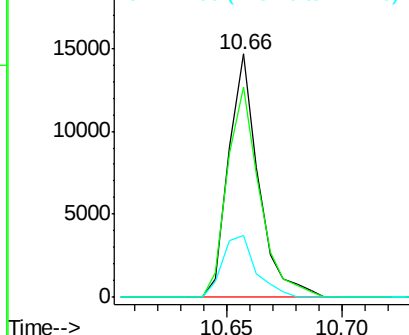
#41
 2,4,6-Tribromophenol
 Concen: 19.497 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101344.D
 Acq: 12 Dec 2017 21:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.0	115.6
141	28.4	29.9	44.9#

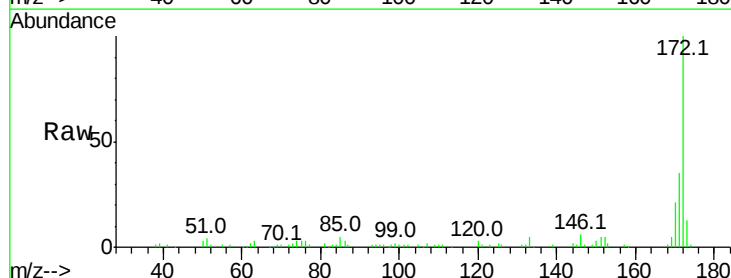


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

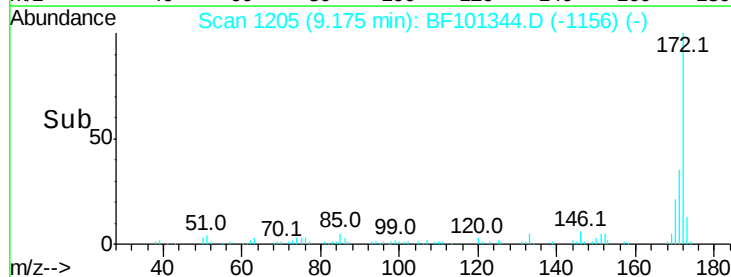
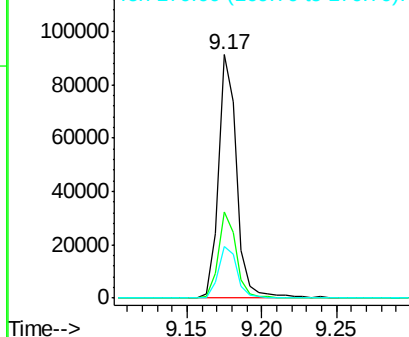


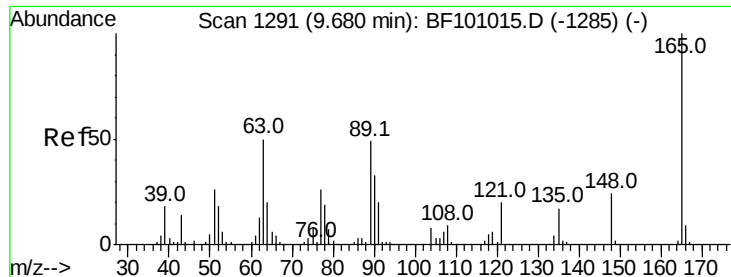
#44
 2-Fluorobiphenyl
 Concen: 18.846 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101344.D
 Acq: 12 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	21.1	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

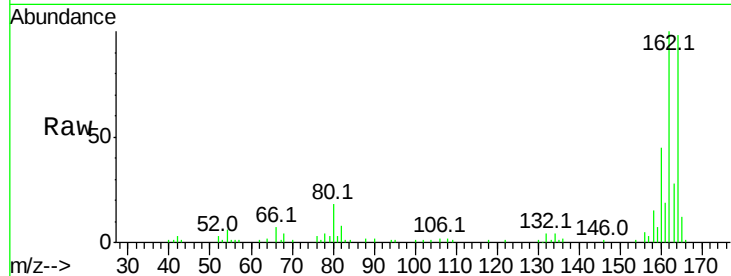




#50
 2,6-Dinitrotoluene
 Concen: 7.481 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF101344.D
 Acq: 12 Dec 2017 21:47

Instrument :
 BNA_F
 ClientSampleId :

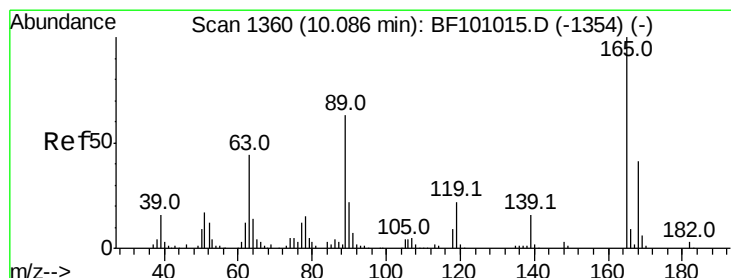
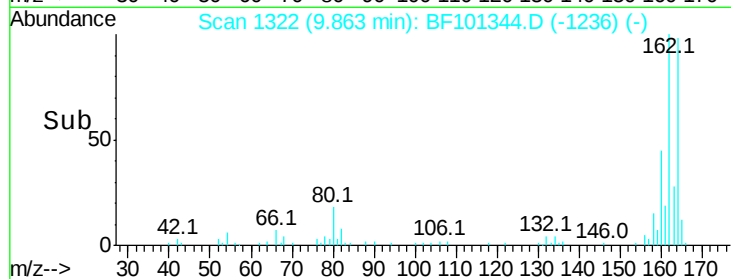
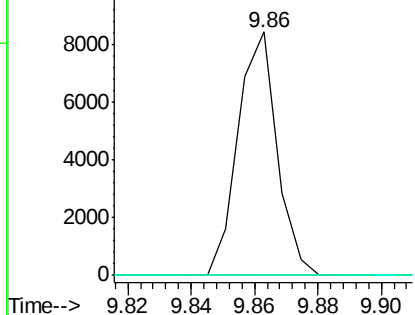
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

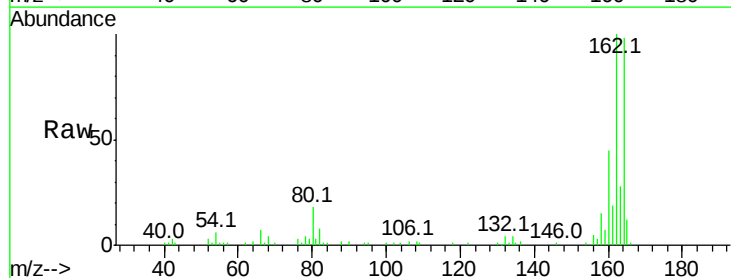
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 5.582 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF101344.D
 Acq: 12 Dec 2017 21:47

Tgt 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#

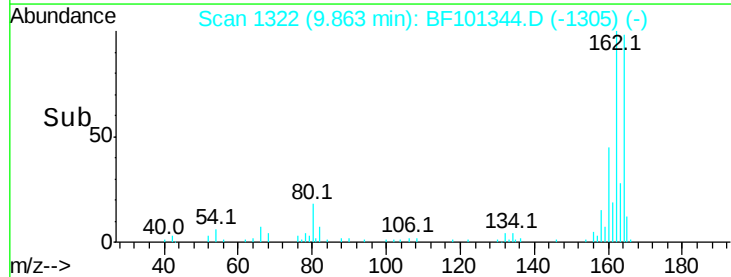
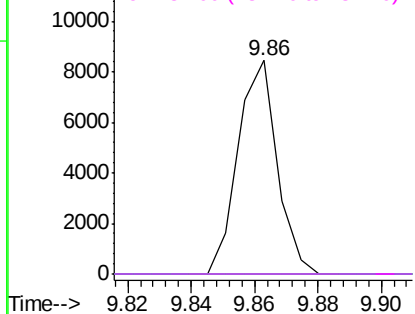


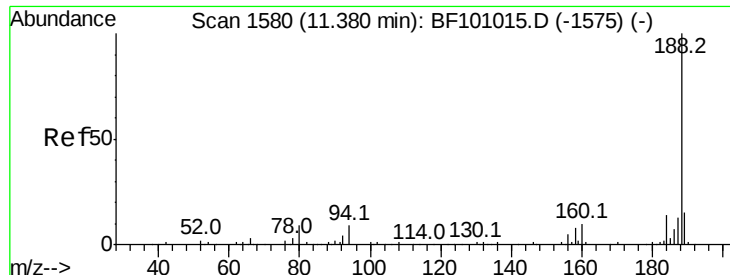
Abundance Ion 165.00 (164.70 to 165.70): E

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

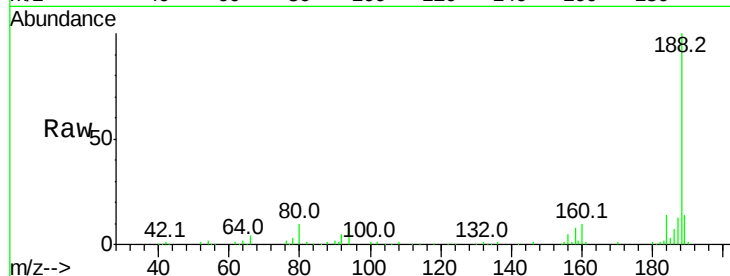




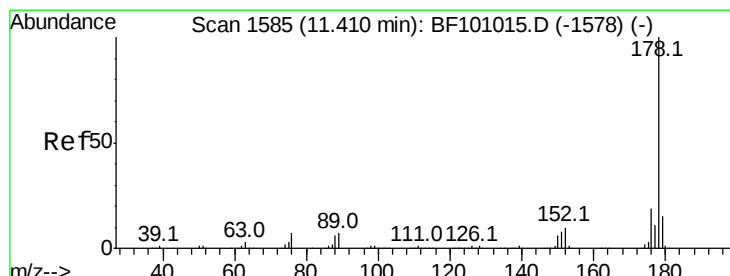
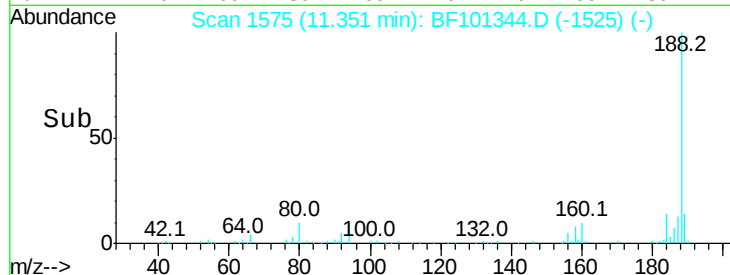
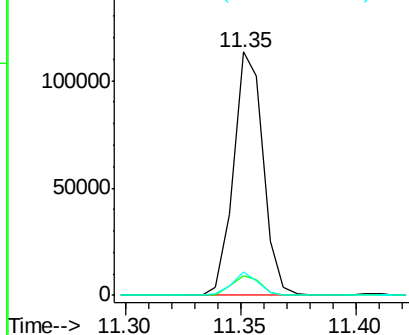
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	9.7	9.2	13.8

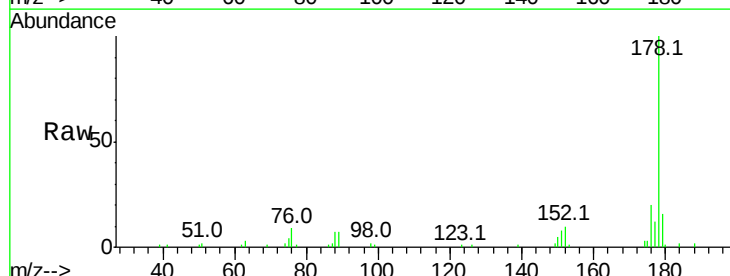


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

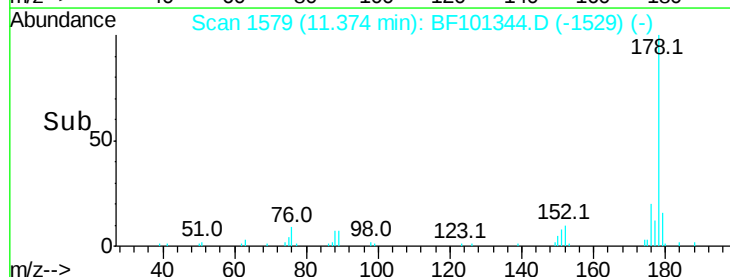
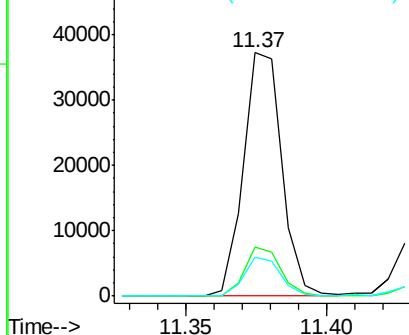


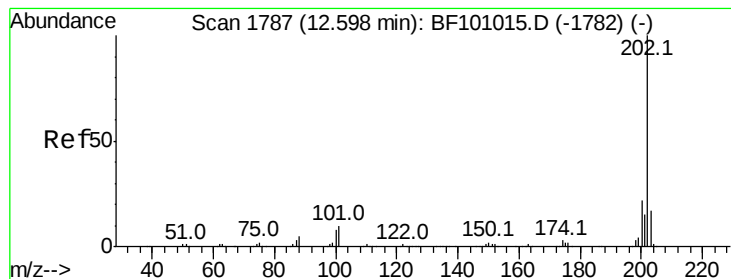
#70
Phenanthrene
Concen: 6.284 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	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: 11.889 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Instrument :

BNA_F

ClientSampleId :

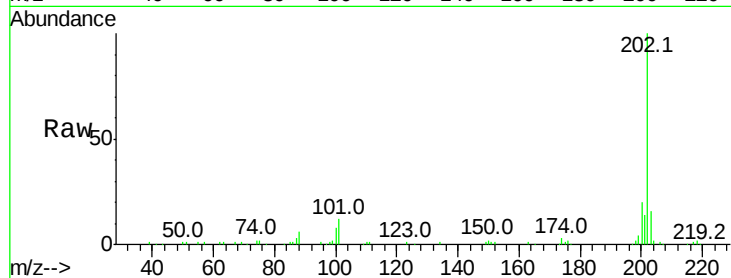
Tot Ion:202 Resp: 73781

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

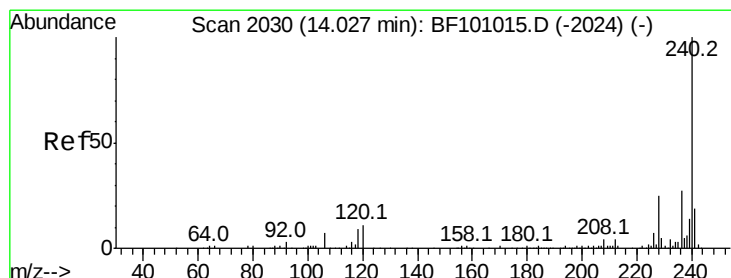
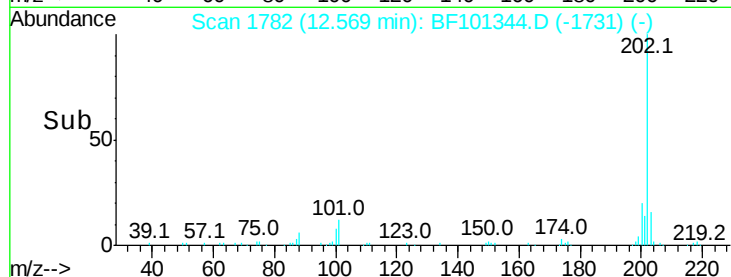
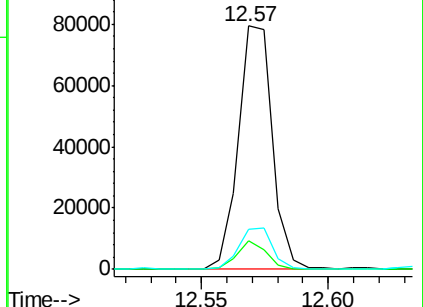
203 16.3 0.0 38.1



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: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

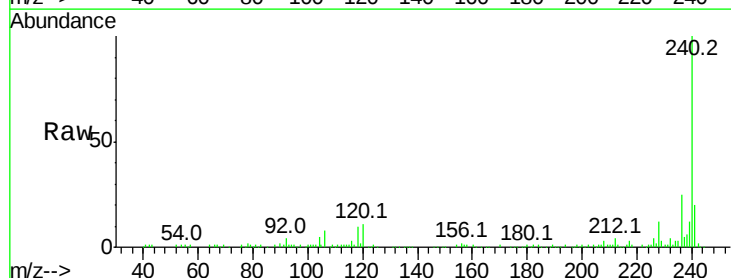
Tgt Ion:240 Resp: 97727

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

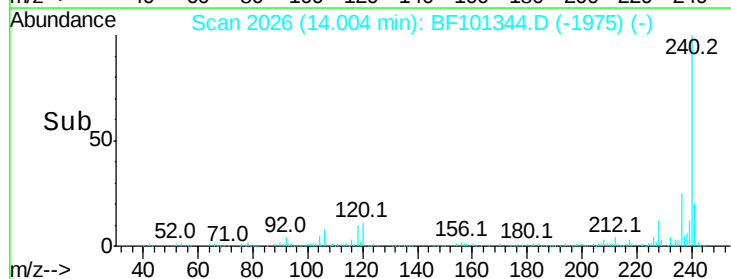
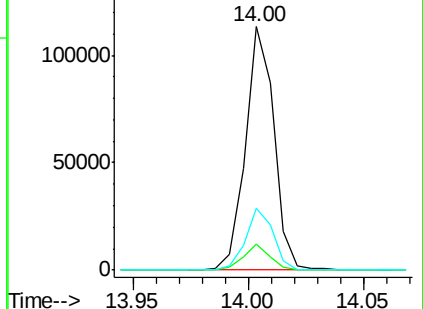
236 25.5 20.7 31.1

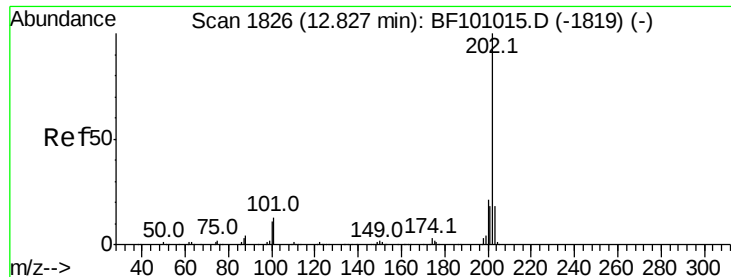


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 11.219 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Instrument :

BNA_F

ClientSampleId :

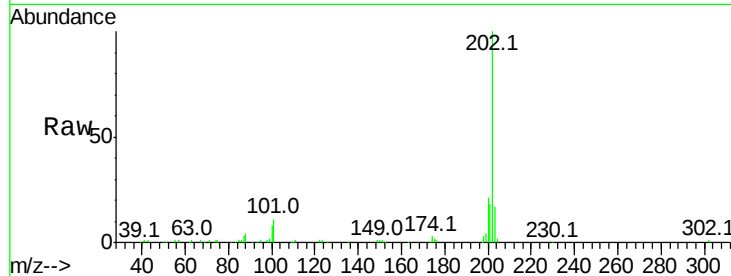
Tot Ion:202 Resp: 75656

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

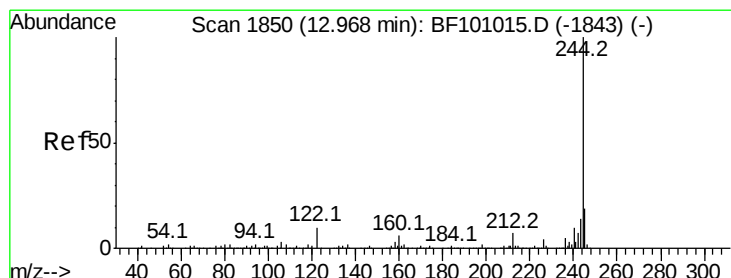
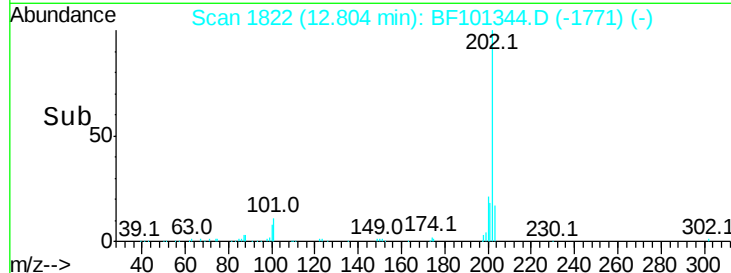
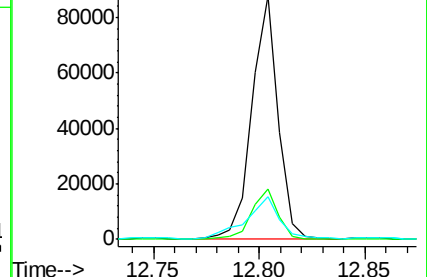
203 17.5 14.3 21.5



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: 15.577 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

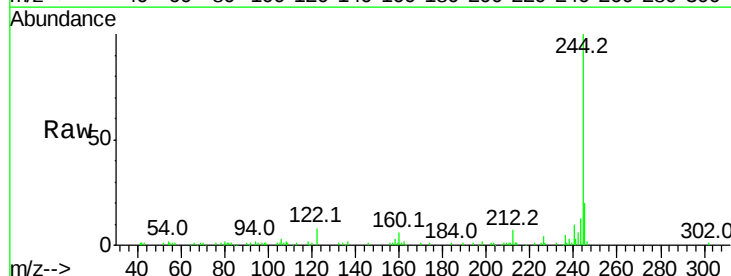
Tgt Ion:244 Resp: 69599

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

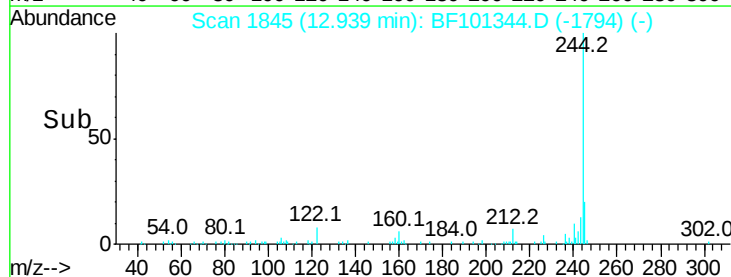
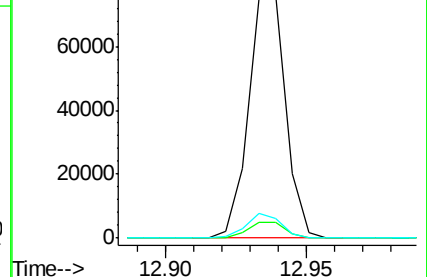
122 8.0 11.0 16.4#

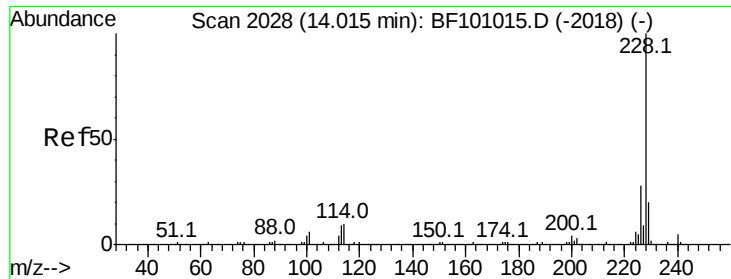


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

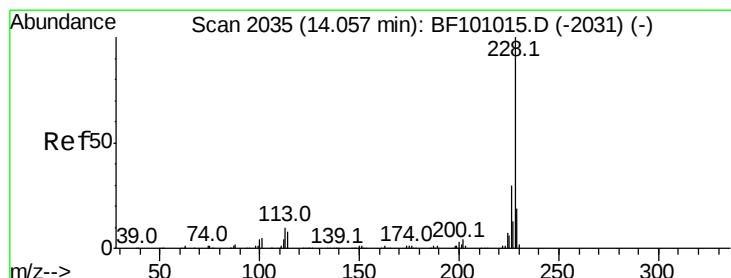
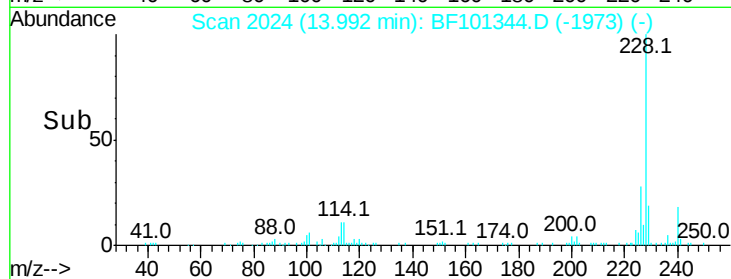
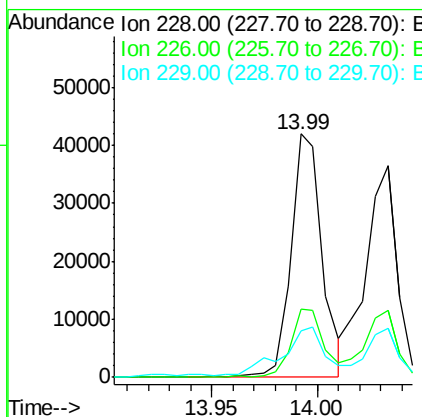
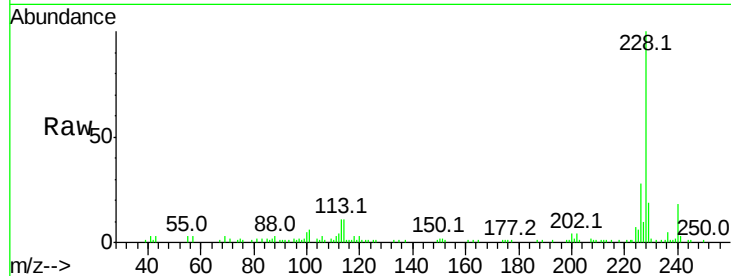




#80
Benzo(a)anthracene
Concen: 7.013 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

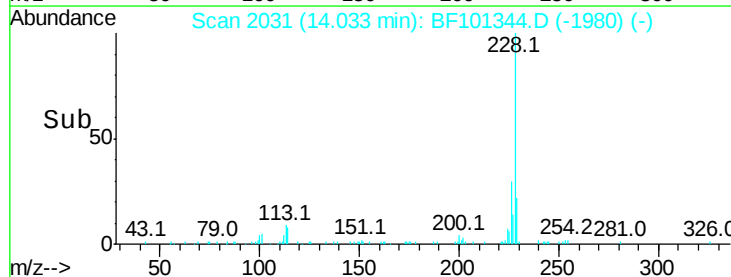
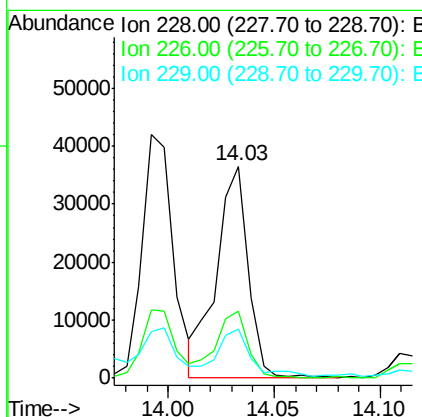
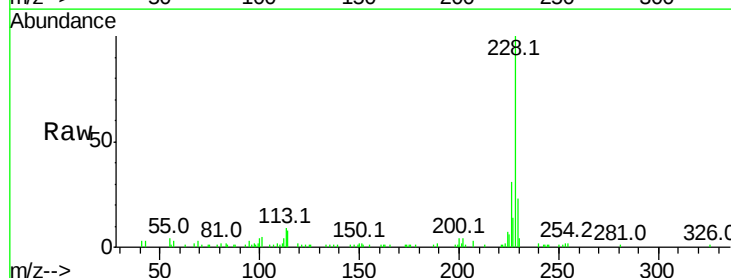
Instrument :
BNA_F
ClientSampleId :

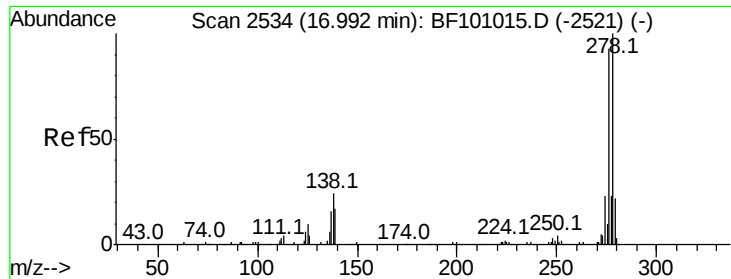
Tot Ion:228 Resp: 43274
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 19.1 15.8 23.6



#82
Chrysene
Concen: 6.694 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Tgt Ion:228 Resp: 38360
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 23.5 16.2 24.4

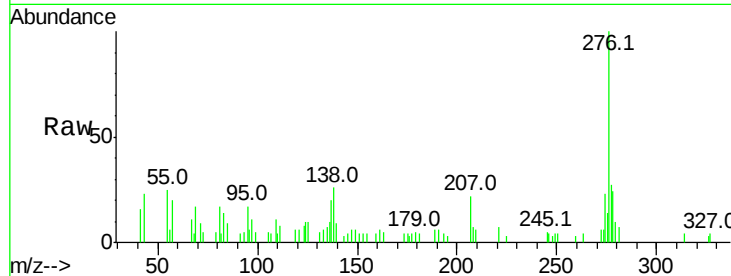




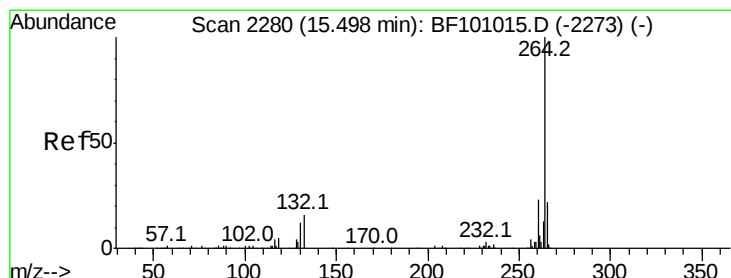
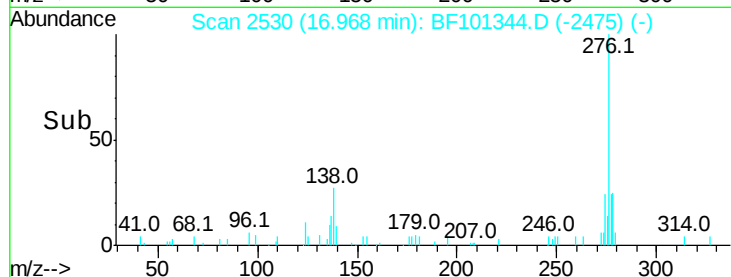
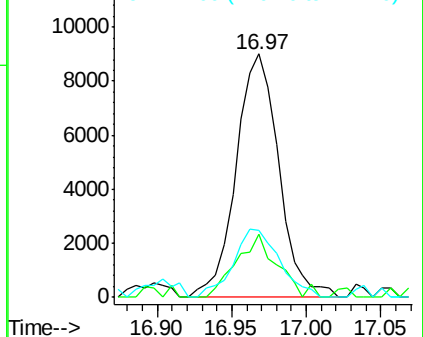
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.519 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.02 min
 Lab File: BF101344.D
 Acq: 12 Dec 2017 21:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 17929
 Ion Ratio Lower Upper
 276 100
 138 24.9 25.0 37.6#
 277 30.3 20.1 30.1#

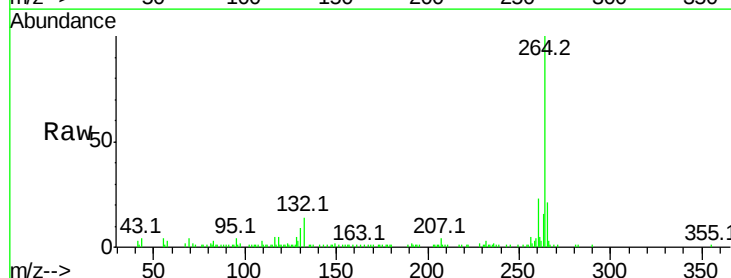


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

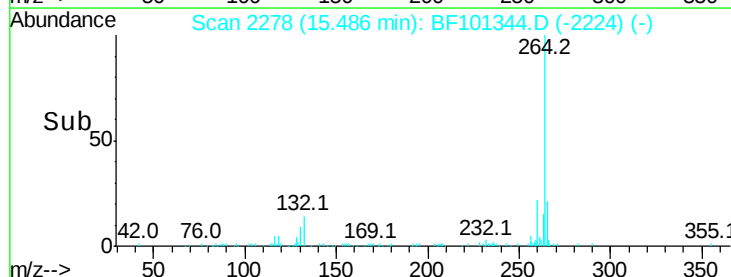
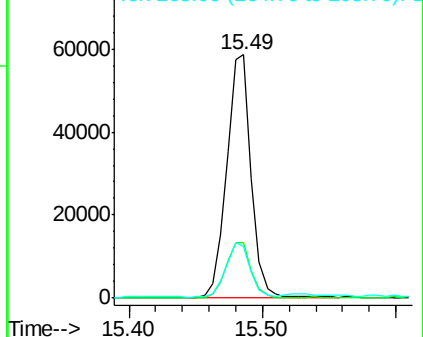


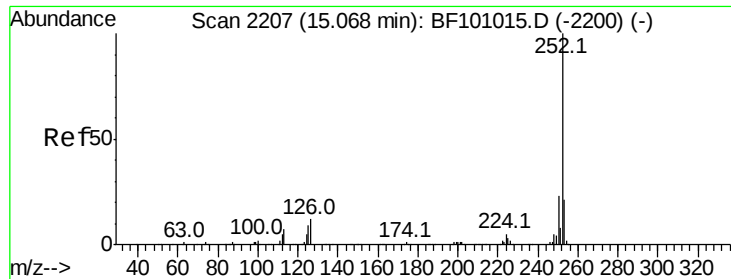
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.02 min
 Lab File: BF101344.D
 Acq: 12 Dec 2017 21:47

Tgt Ion:264 Resp: 75519
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.2 28.8
 265 21.5 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

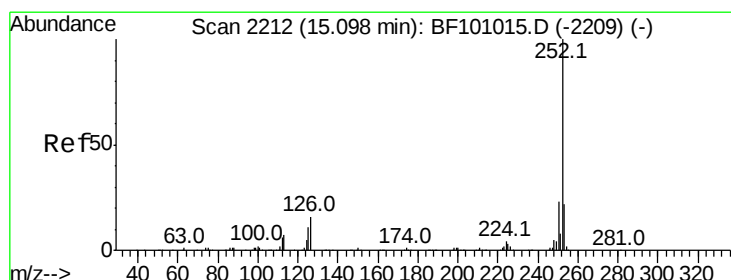
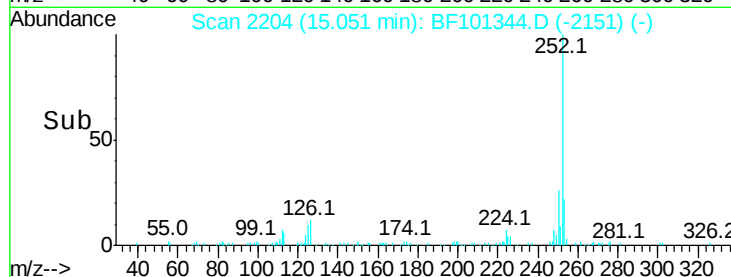
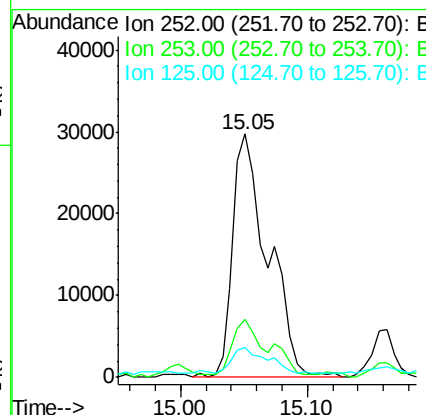
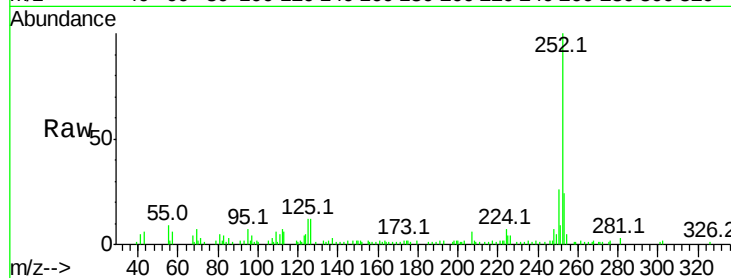




#87
Benzo(b)fluoranthene
Concen: 12.663 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

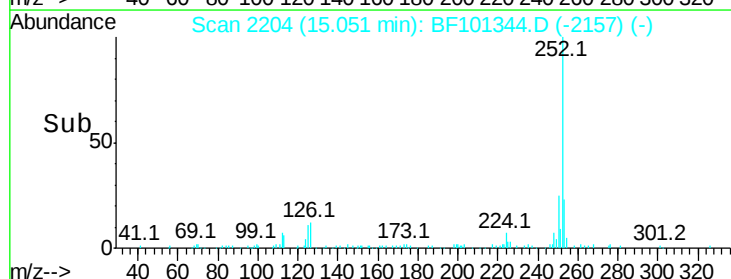
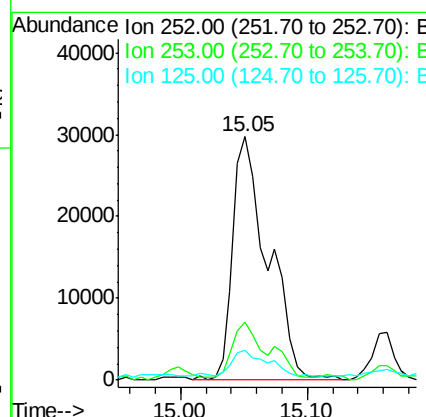
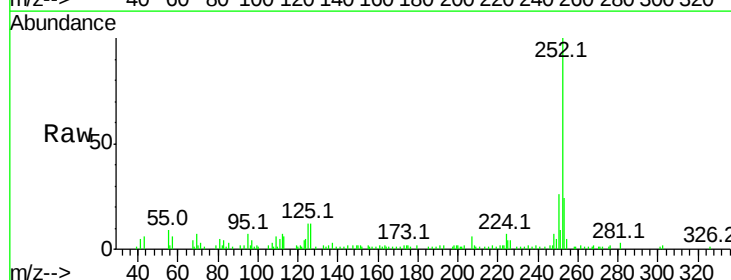
Instrument :
BNA_F
ClientSampleId :

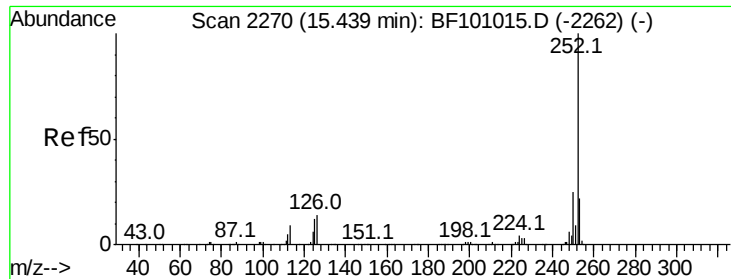
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	12.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 12.853 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	12.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 7.436 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Instrument :

BNA_F

ClientSampleId :

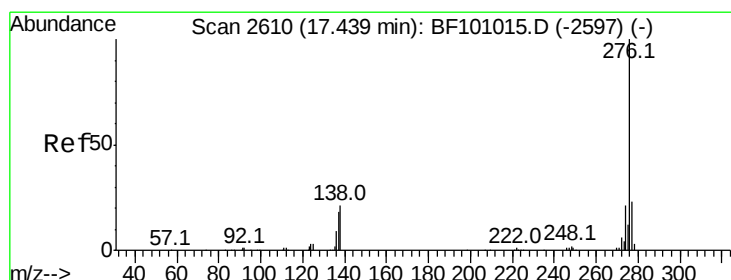
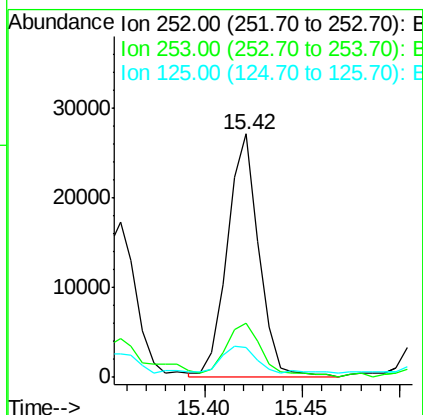
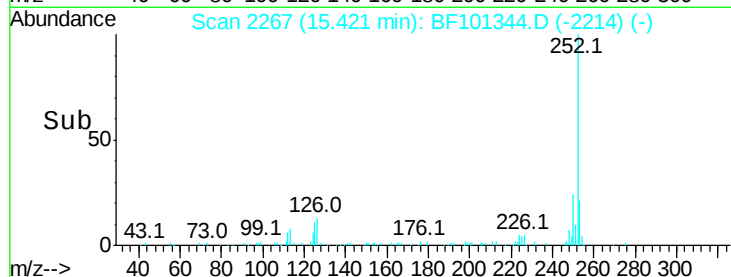
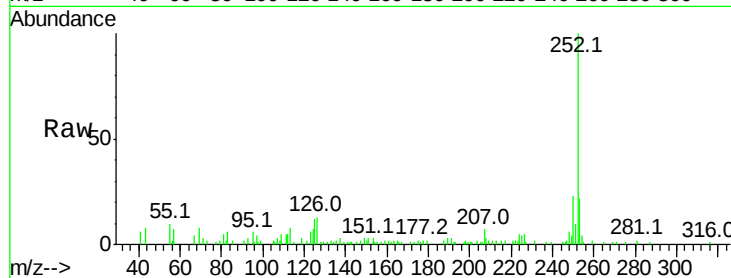
Tot Ion:252 Resp: 30578

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 12.2 9.8 14.6



#91

Benzo(g,h,i)perylene

Concen: 5.263 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.04 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Tgt Ion:276 Resp: 17982

Ion Ratio Lower Upper

276 100

277 21.4 17.9 26.9

138 18.4 21.8 32.8#

