

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101254.D
 Acq On : 8 Dec 2017 23:34
 Operator : SJ/JU
 Sample : I6615-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB-2-OW(0-10)

Quant Time: Dec 09 02:31:47 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

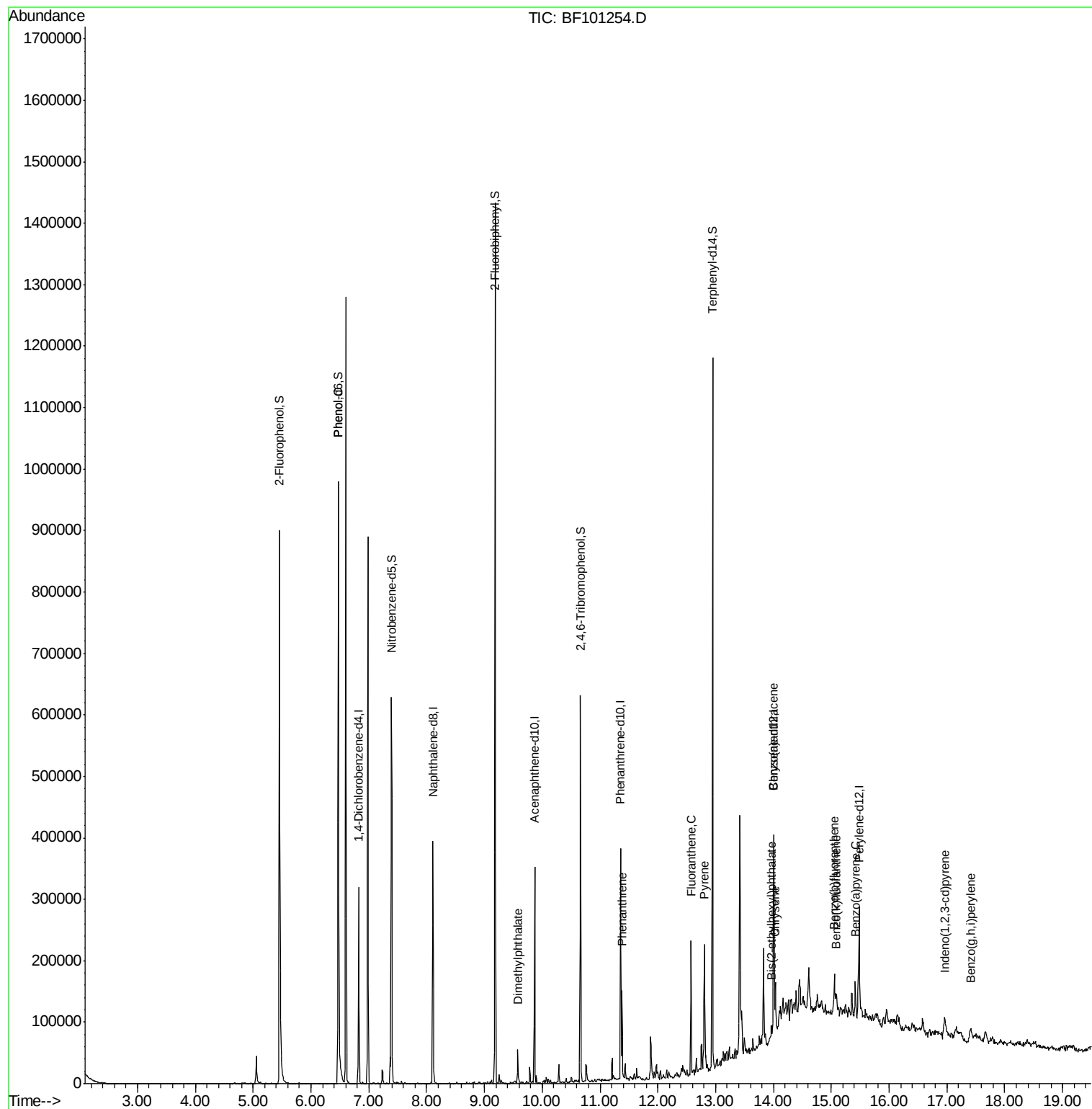
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	44085	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	163510	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	69816	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	121346	20.00	ng	0.00
75) Chrysene-d12	14.00	240	98440	20.00	ng	0.00
86) Perylene-d12	15.48	264	81531	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	299242	112.17	ng	0.02
7) Phenol-d6	6.47	99	356500	110.06	ng	0.01
23) Nitrobenzene-d5	7.39	82	200998	73.33	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	82087	97.88	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	422770	82.85	ng	0.00
78) Terphenyl-d14	12.95	244	363419	80.75	ng	0.00
Target Compounds						
10) Phenol	6.48	94	13986	3.883	ng	Qvalue # 63
49) Dimethylphthalate	9.57	163	19508	3.465	ng	99
70) Phenanthrene	11.38	178	45253	6.772	ng	97
74) Fluoranthene	12.57	202	74661	10.079	ng	94
77) Pyrene	12.80	202	73058	10.755	ng	99
80) Benzo(a)anthracene	14.00	228	34506	5.552	ng	97
82) Chrysene	14.03	228	31912	5.528	ng	96
83) Bis(2-ethylhexyl)phthalate	13.97	149	8718	2.042	ng	# 89
85) Indeno(1,2,3-cd)pyrene	16.96	276	15185	2.959	ng	# 90
87) Benzo(b)fluoranthene	15.05	252	32608m	6.677	ng	
88) Benzo(k)fluoranthene	15.07	252	10156m	2.111	ng	
89) Benzo(a)pyrene	15.42	252	25682	5.785	ng	# 90
91) Benzo(a,h,i)perylene	17.42	276	15667	4.247	ng	# 90

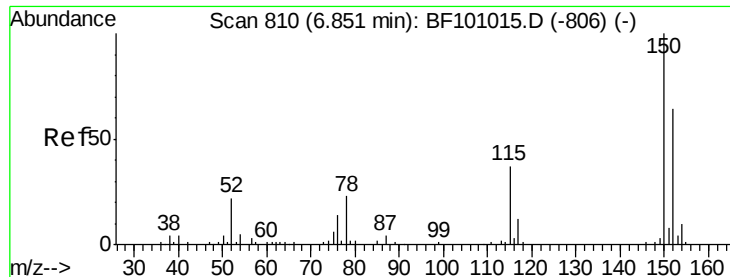
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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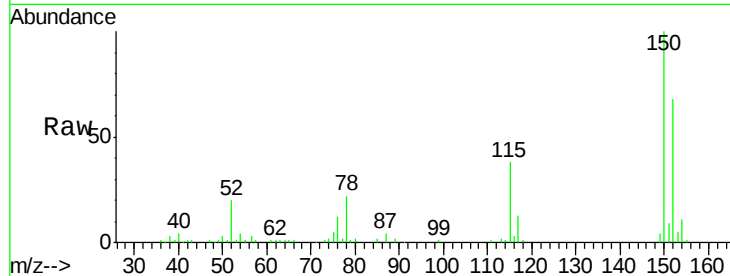


#1

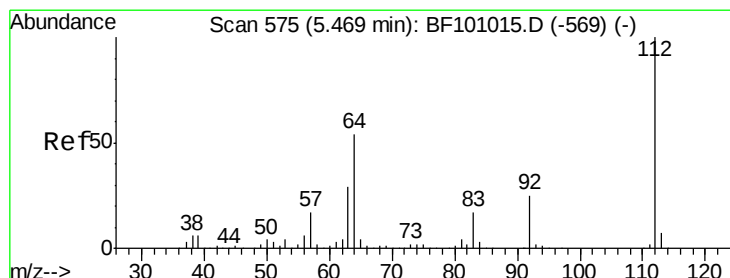
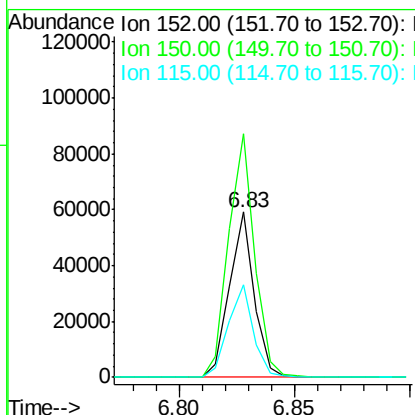
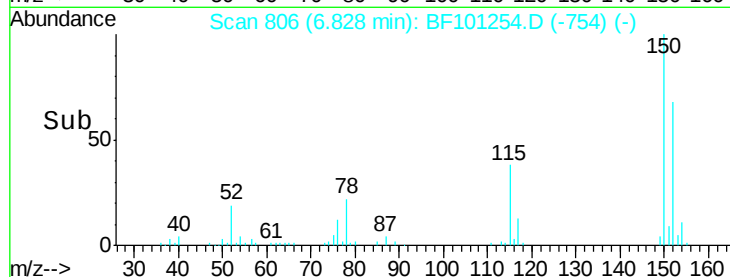
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.2	124.6	186.8
115	55.9	50.1	75.1



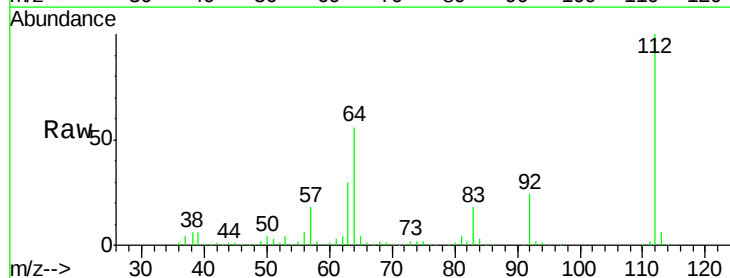
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



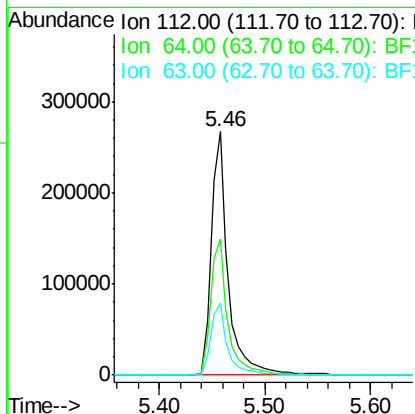
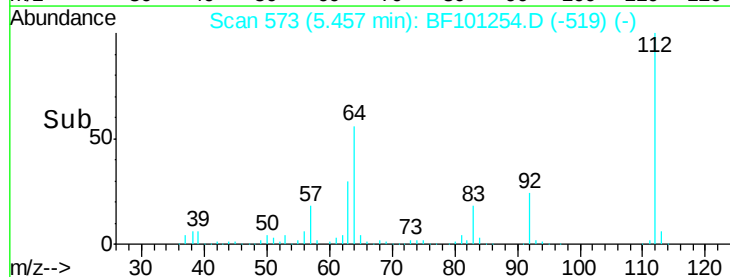
#5

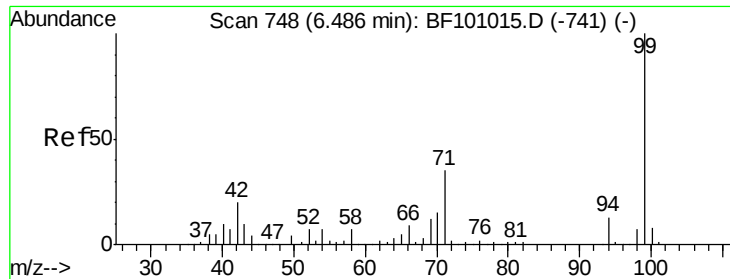
2-Fluorophenol
Concen: 112.165 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.9	71.9
63	29.8	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: 110.063 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampleId :

PB-2-OW(0-10)

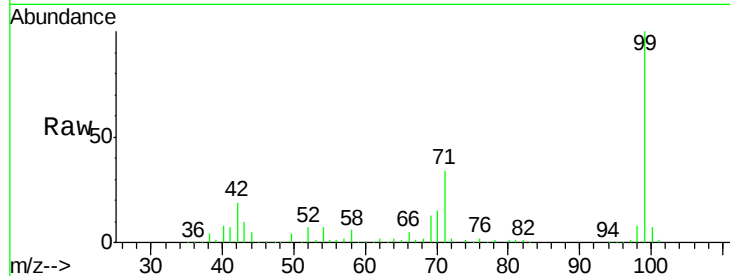
Tot Ion: 99 Resp: 356500

Ion Ratio Lower Upper

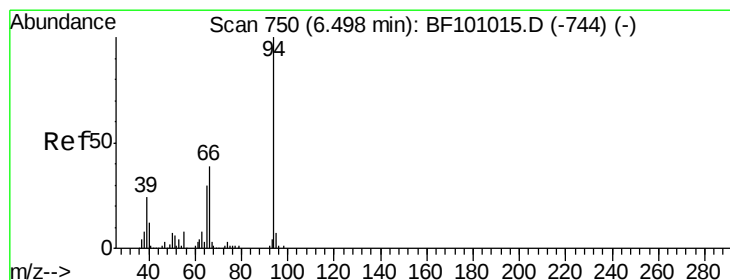
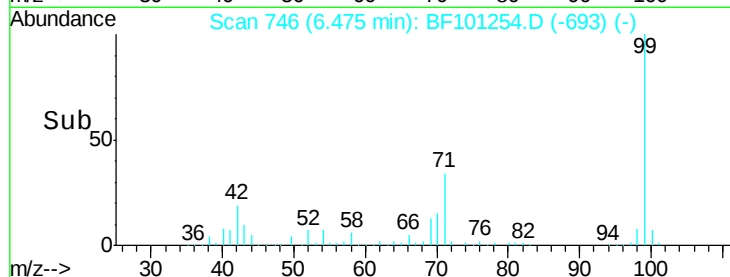
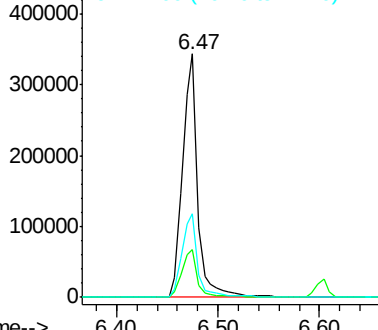
99 100

42 19.5 14.5 21.7

71 34.4 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



#10

Phenol

Concen: 3.883 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

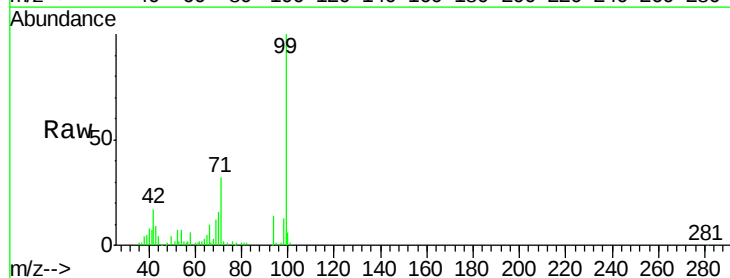
Tgt Ion: 94 Resp: 13986

Ion Ratio Lower Upper

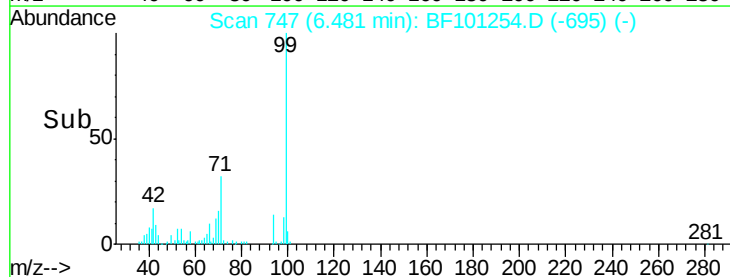
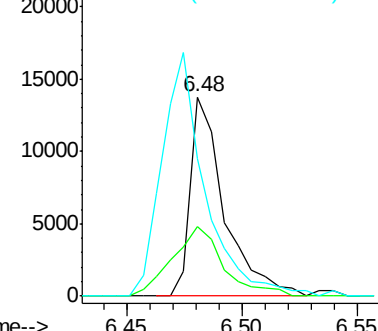
94 100

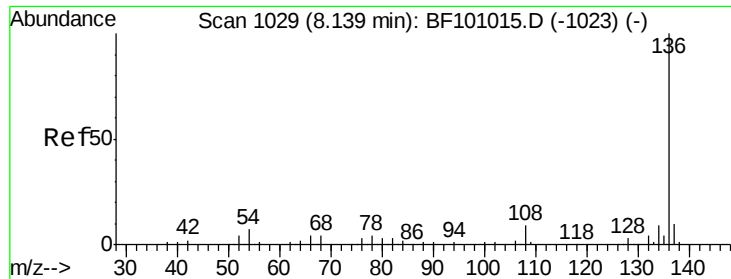
65 34.7 7.9 47.9

66 69.1 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

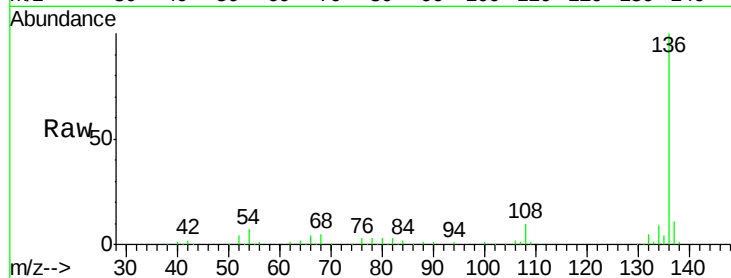




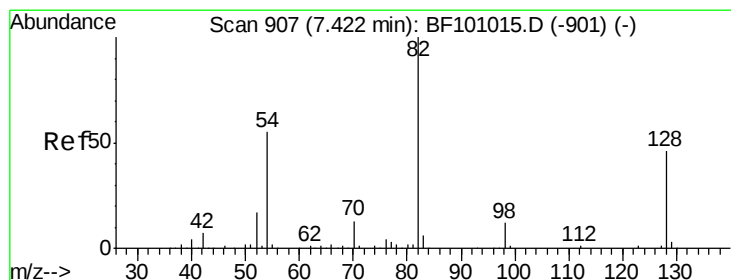
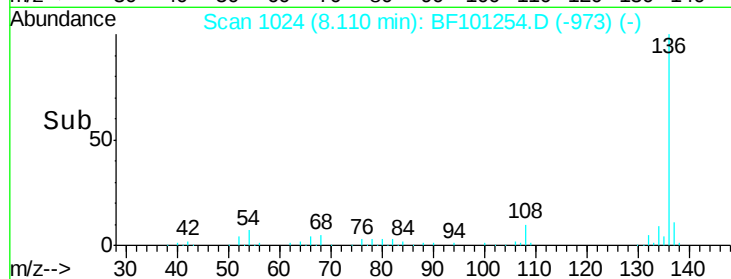
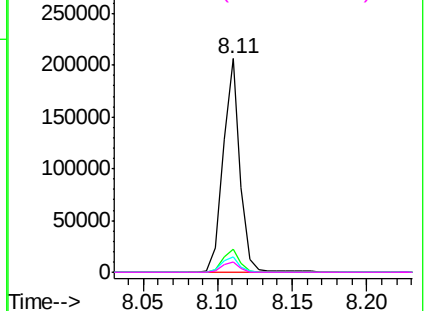
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion:136	Resp:	163510
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	7.4	6.6 9.8
68	4.6	5.0 7.4#

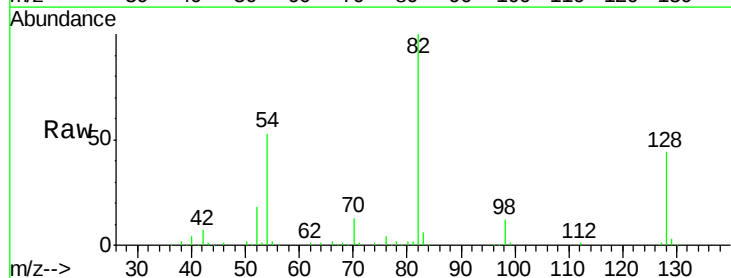


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

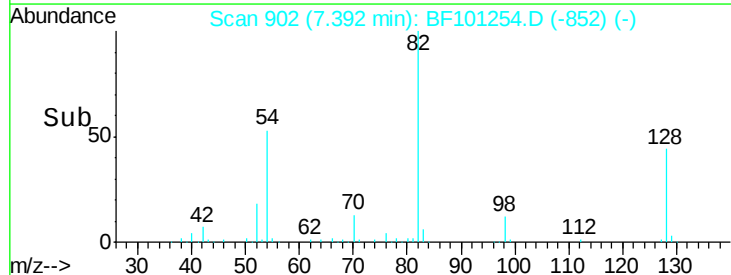
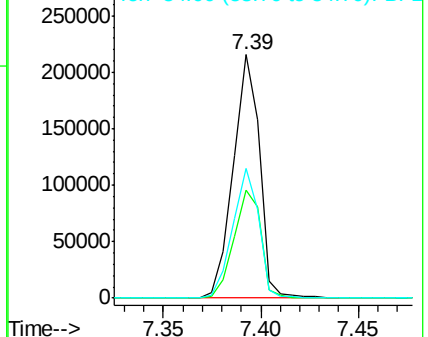


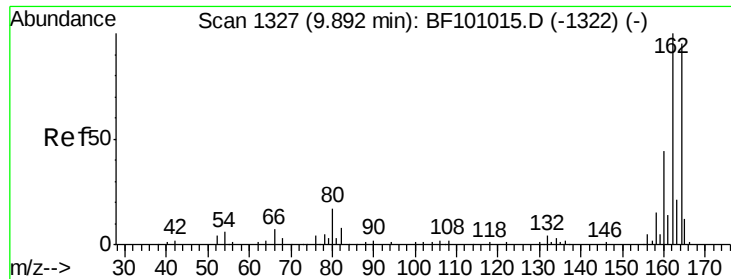
#23
Nitrobenzene-d5
Concen: 73.330 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion: 82	Resp:	200998
Ion Ratio	Lower	Upper
82	100	
128	44.2	36.1 54.1
54	53.2	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampleId :

PB-2-OW(0-10)

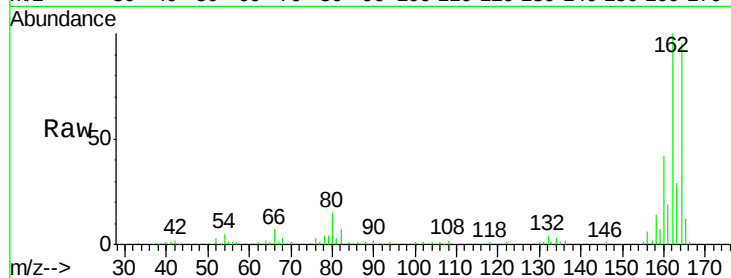
Tot Ion:164 Resp: 69816

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

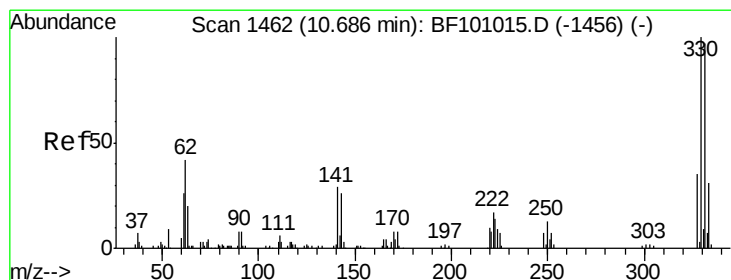
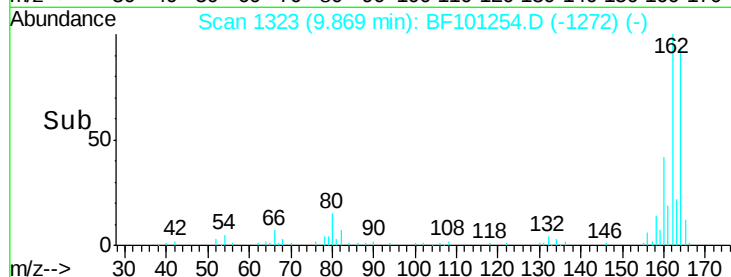
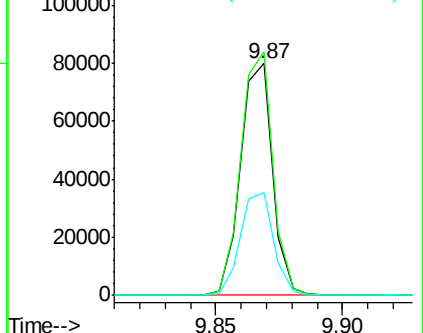
160 44.4 38.3 57.5



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: 97.875 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

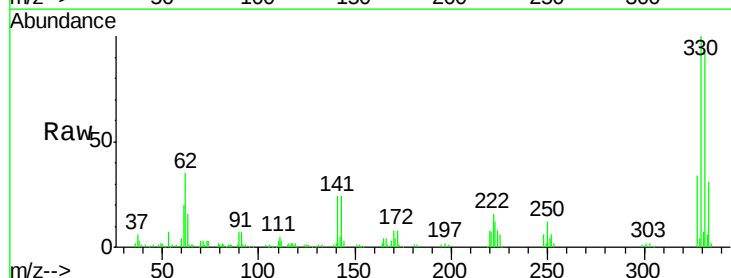
Tgt Ion:330 Resp: 82087

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

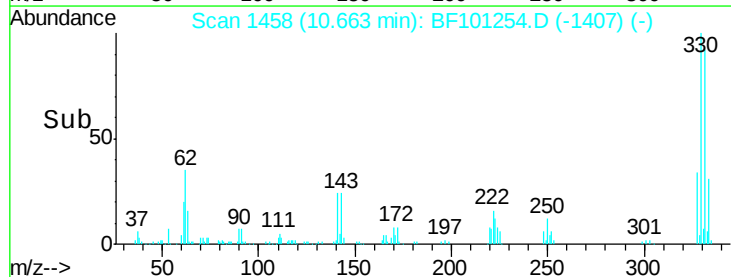
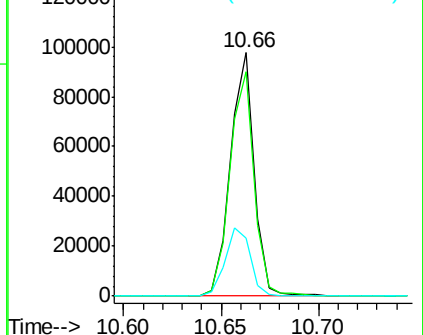
141 30.0 29.9 44.9

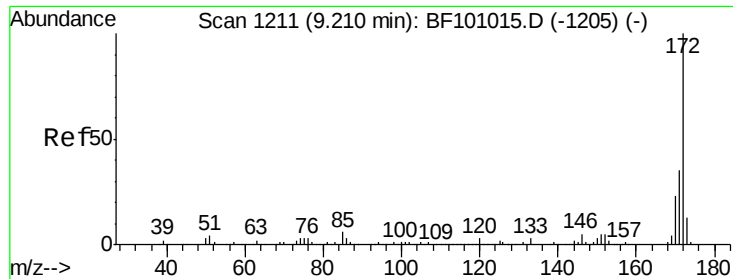


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

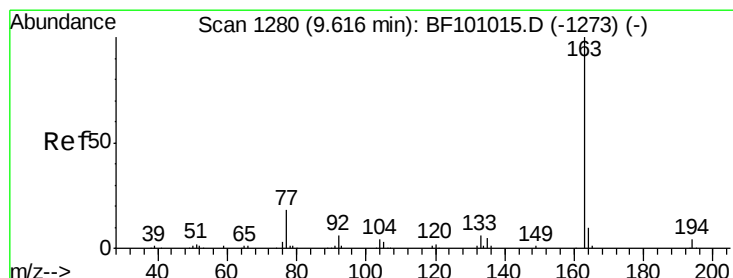
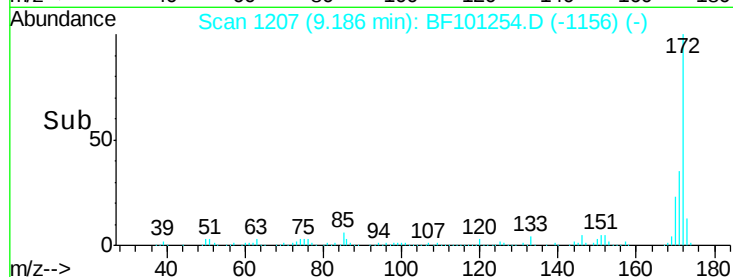
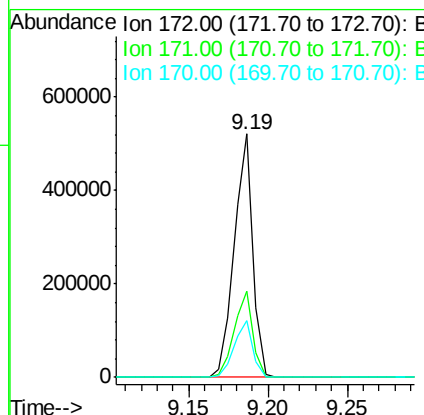
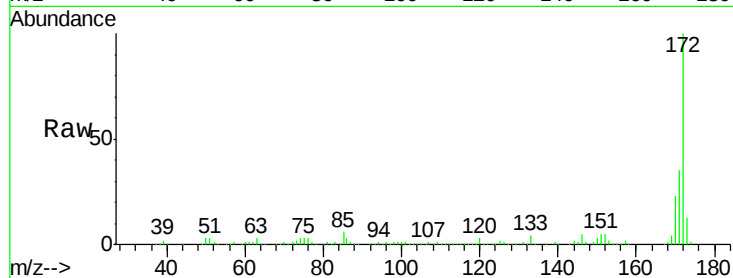




#44
2-Fluorobiphenyl
Concen: 82.851 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

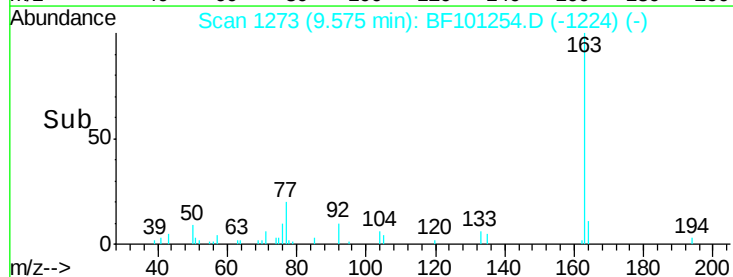
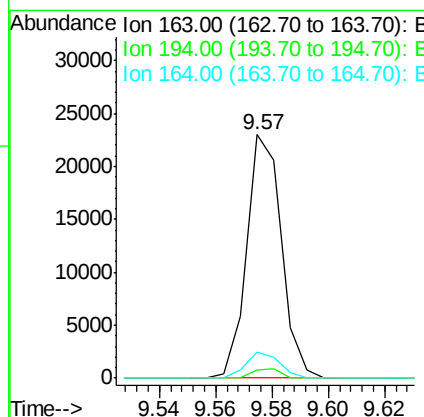
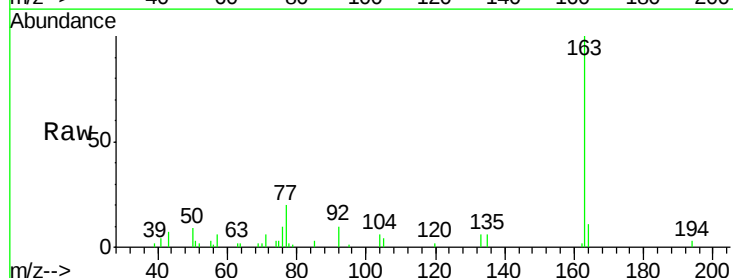
Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

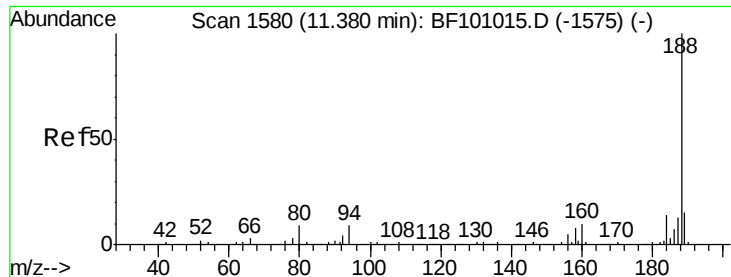
Tot Ion:172 Resp: 422770
Ion Ratio Lower Upper
172 100
171 35.2 29.7 44.5
170 23.2 19.6 29.4



#49
Dimethylphthalate
Concen: 3.465 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:163 Resp: 19508
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.8 8.2 12.2

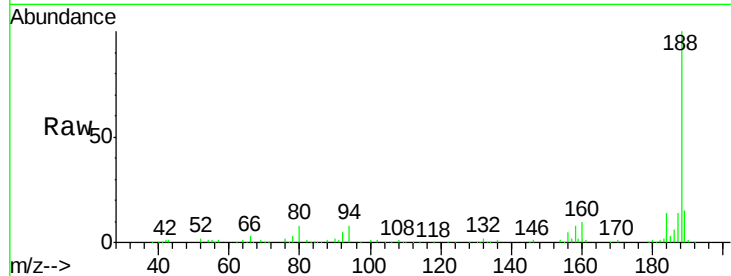




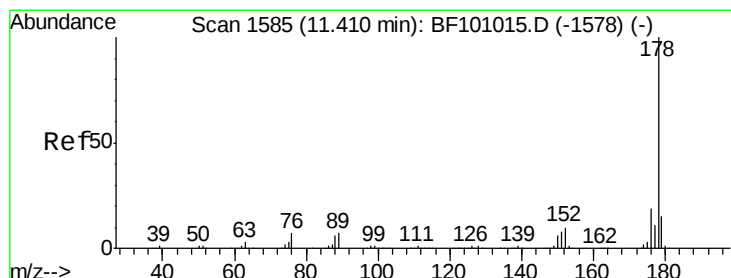
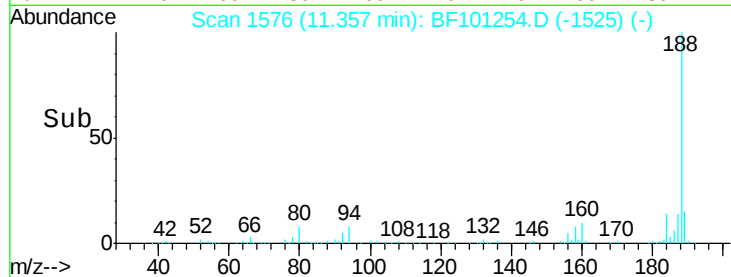
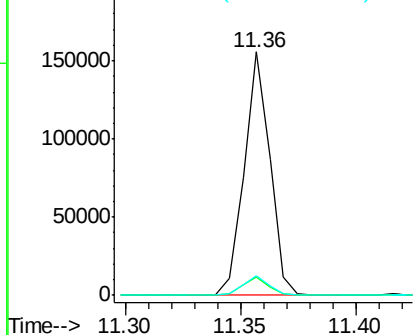
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion:188 Resp: 121346
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 8.3 9.2 13.8#

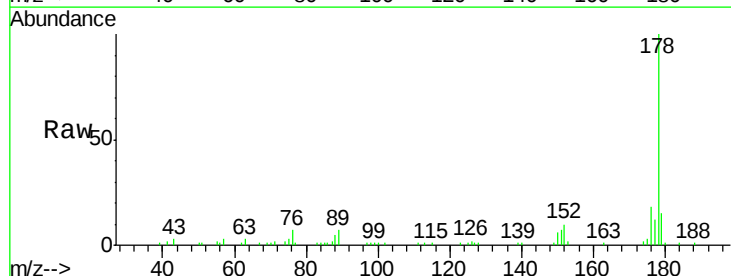


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

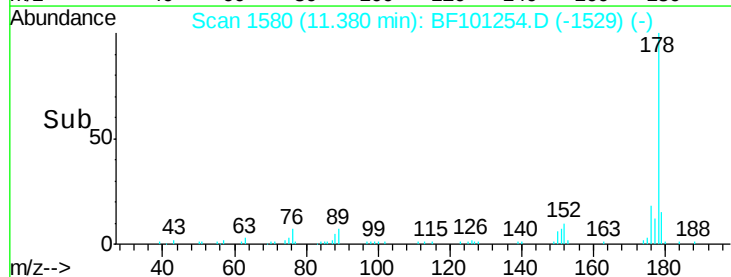
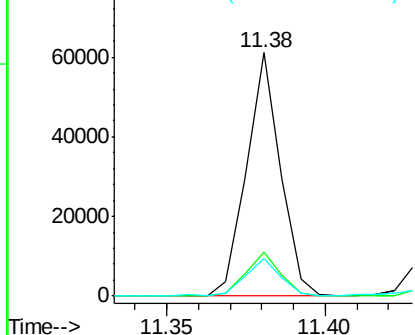


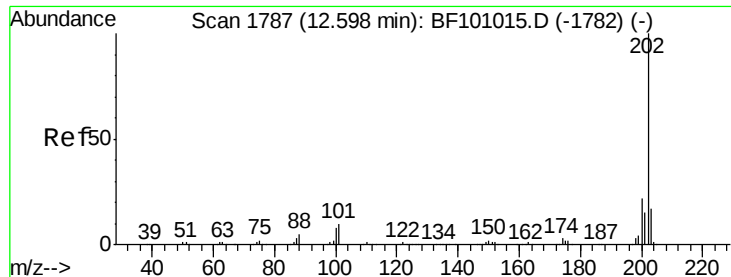
#70
Phenanthrene
Concen: 6.772 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:178 Resp: 45253
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 15.4 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

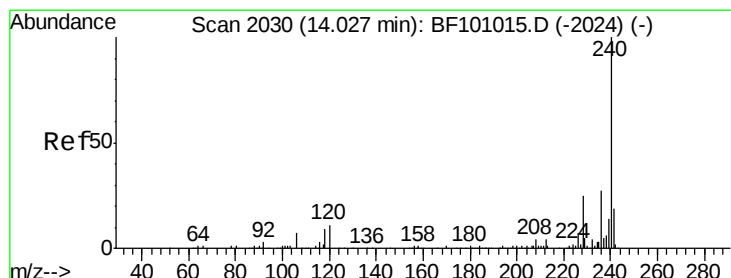
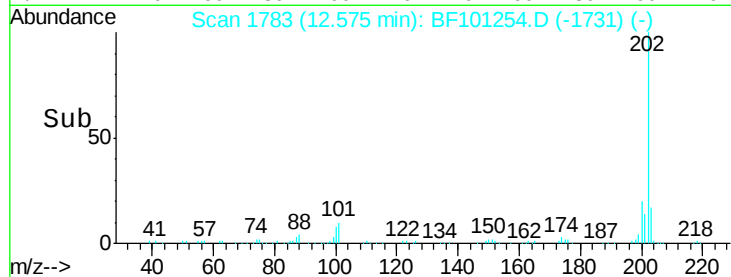
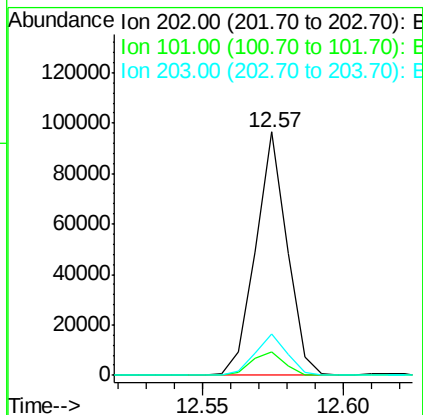
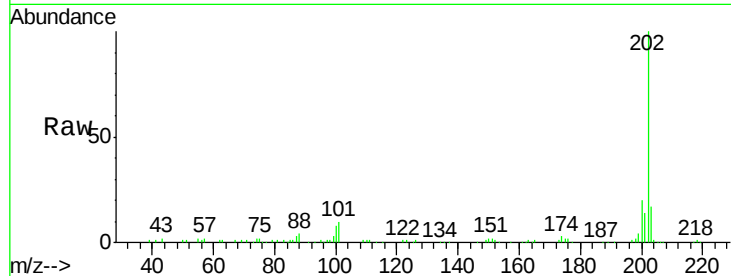




#74
Fluoranthene
Concen: 10.079 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

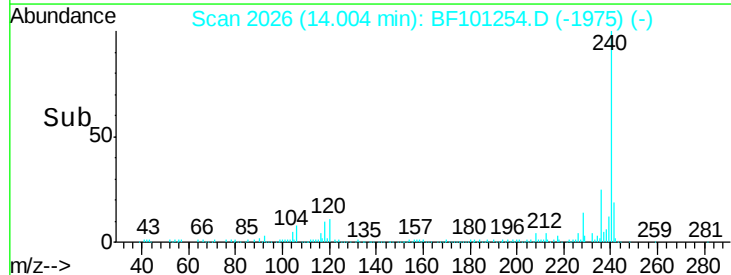
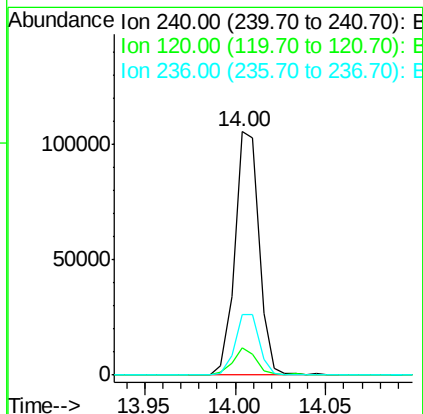
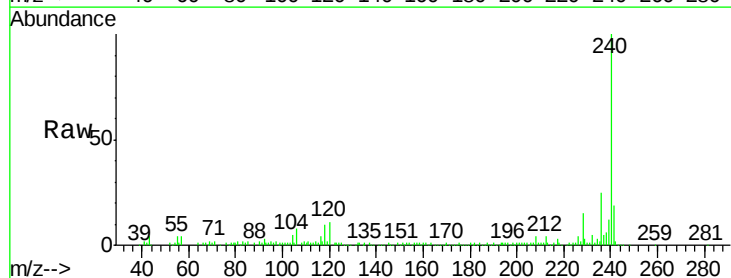
Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

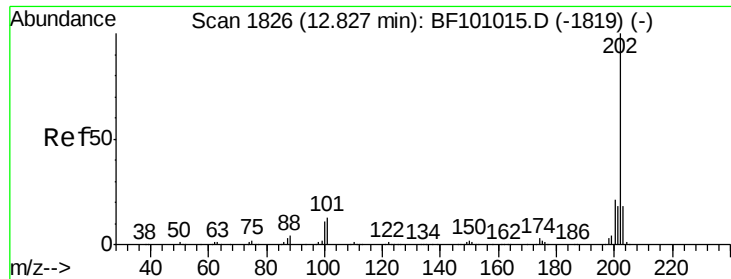
Tot Ion:202 Resp: 74661
Ion Ratio Lower Upper
202 100
101 9.8 0.0 34.1
203 16.9 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:240 Resp: 98440
Ion Ratio Lower Upper
240 100
120 11.0 9.5 14.3
236 24.7 20.7 31.1

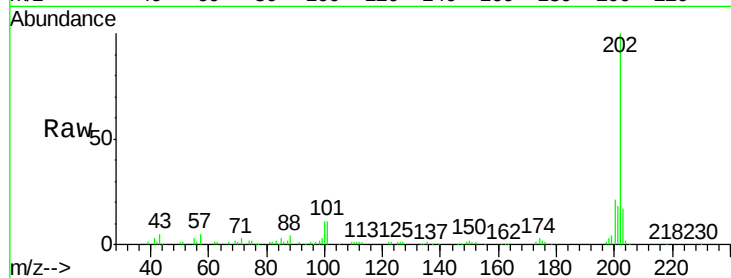




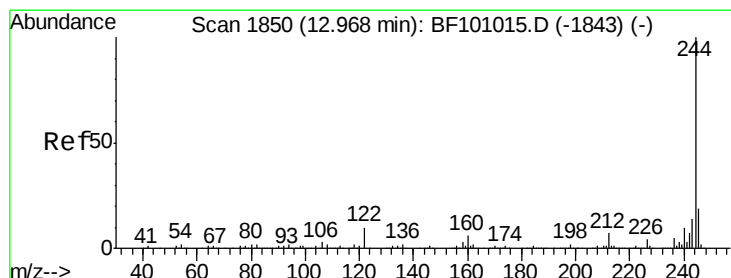
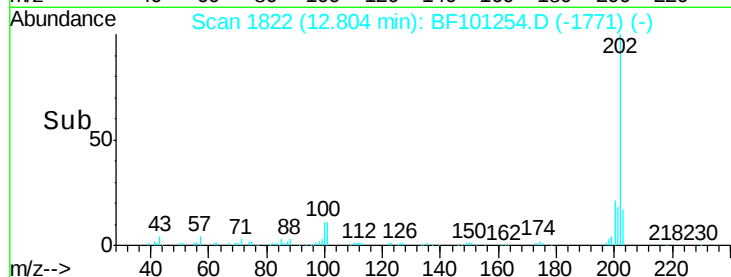
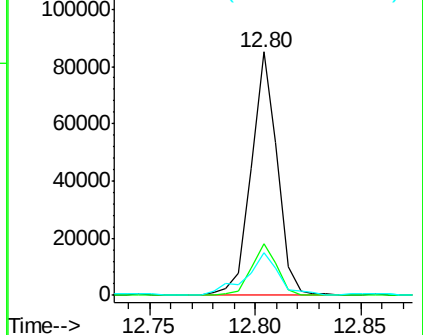
#77
Pvrene
Concen: 10.755 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion:202 Resp: 73058
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.5 14.3 21.5

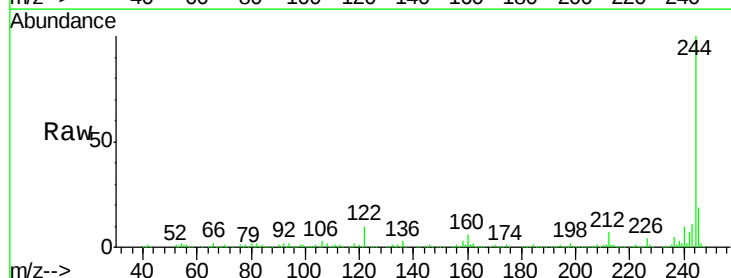


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

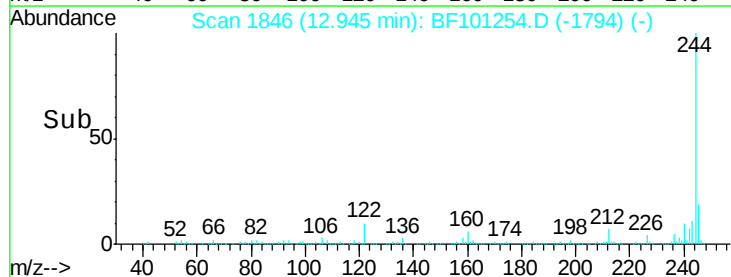
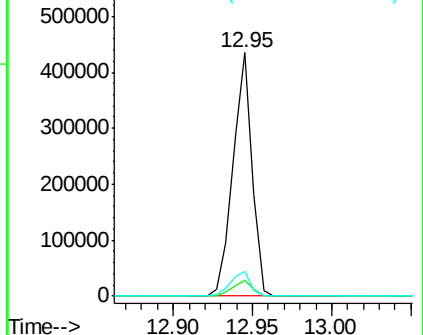


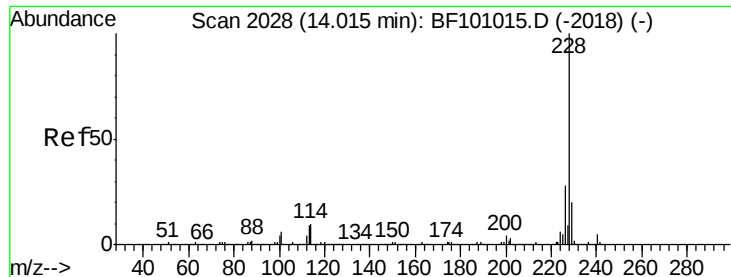
#78
Terphenyl-d14
Concen: 80.749 ng
RT: 12.95 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:244 Resp: 363419
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.2 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

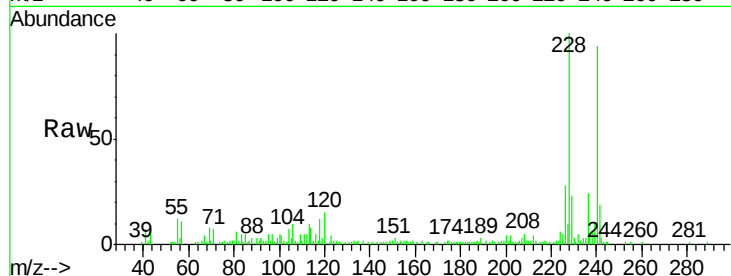




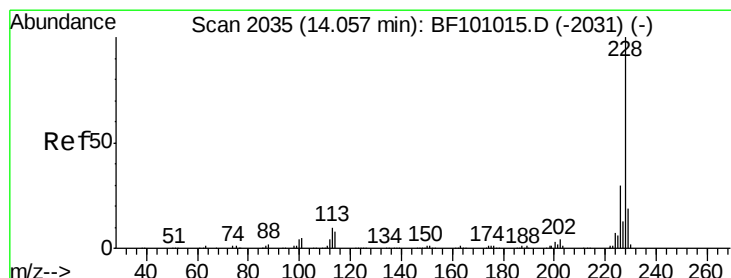
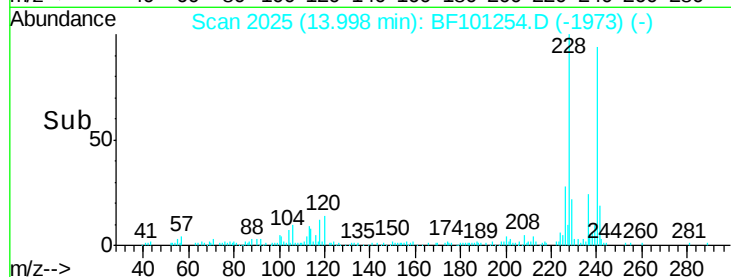
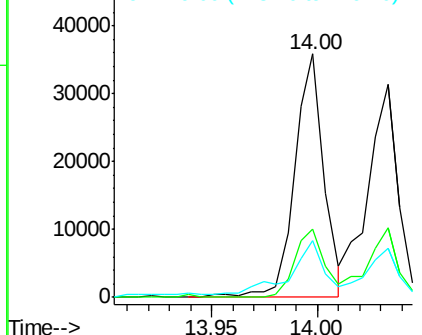
#80
Benzo(a)anthracene
Concen: 5.552 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion:228 Resp: 34506
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 23.1 15.8 23.6

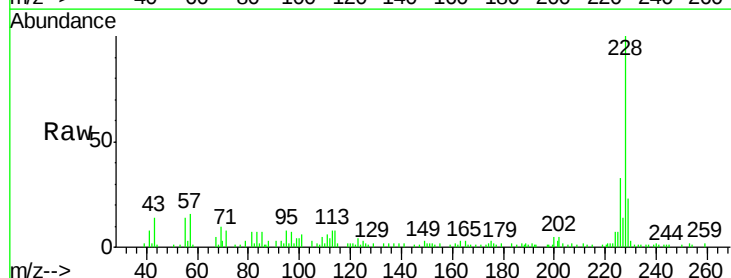


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

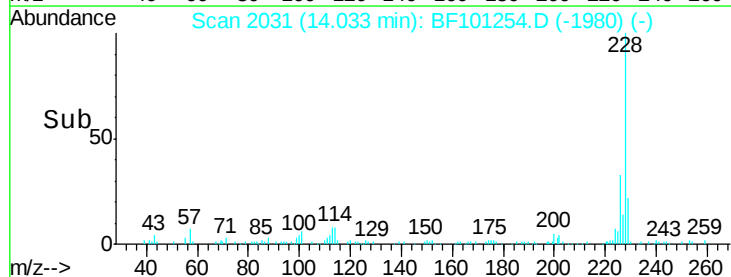
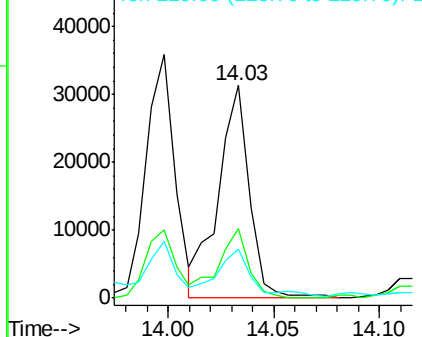


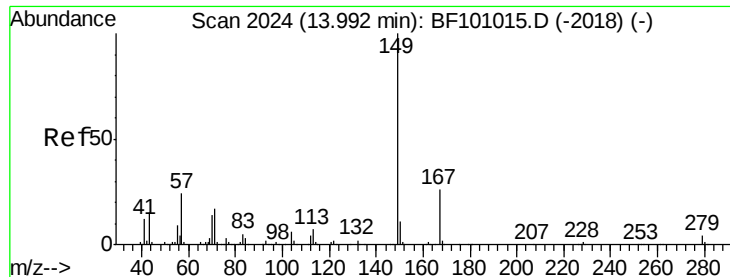
#82
Chrysene
Concen: 5.528 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:228 Resp: 31912
Ion Ratio Lower Upper
228 100
226 32.9 25.0 37.6
229 23.1 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





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.042 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampleId :

PB-2-OW(0-10)

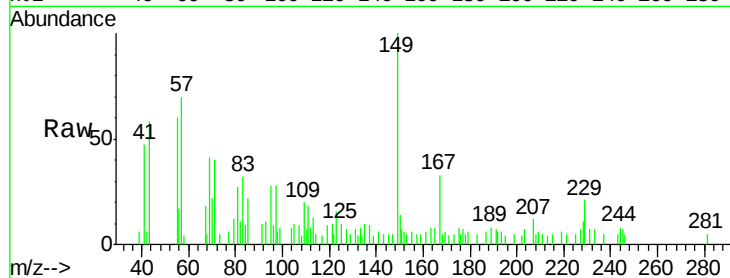
Tot Ion:149 Resp: 8718

Ion Ratio Lower Upper

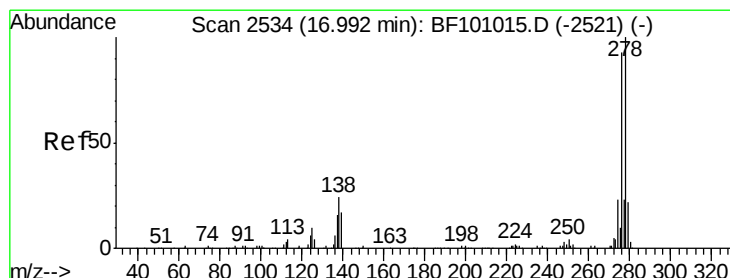
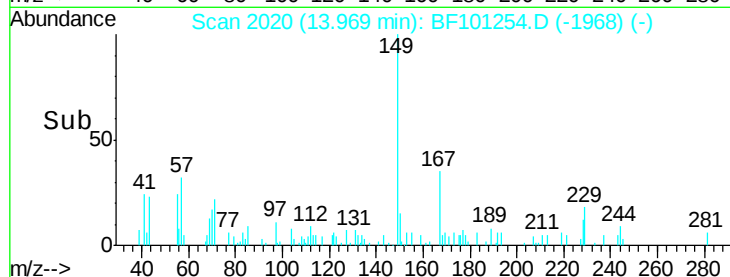
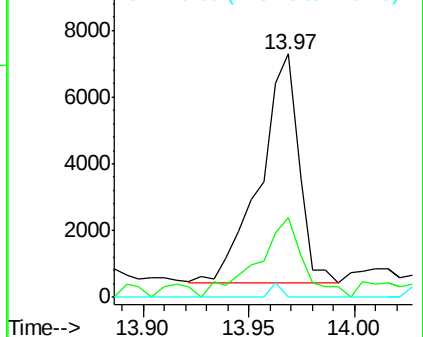
149 100

167 32.5 21.3 31.9#

279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.959 ng

RT: 16.96 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

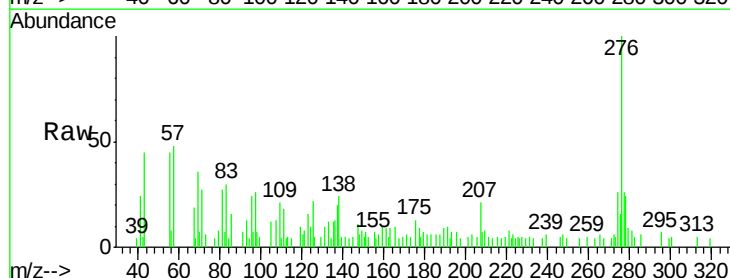
Tgt Ion:276 Resp: 15185

Ion Ratio Lower Upper

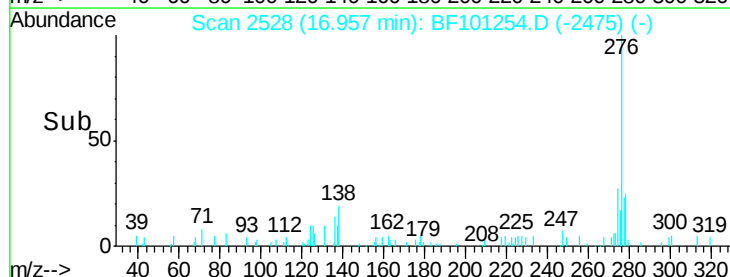
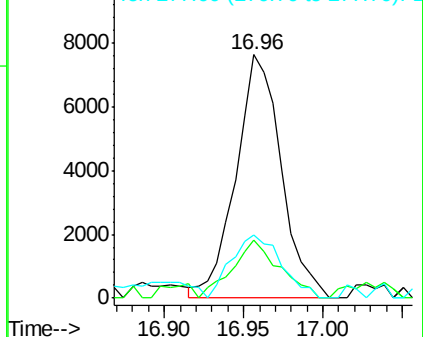
276 100

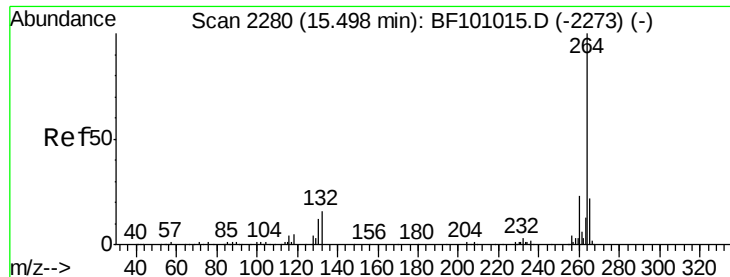
138 24.6 25.0 37.6#

277 28.5 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

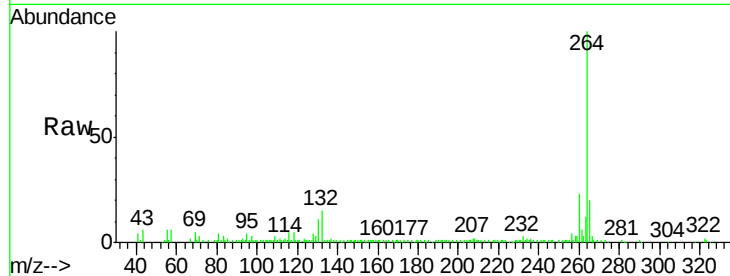




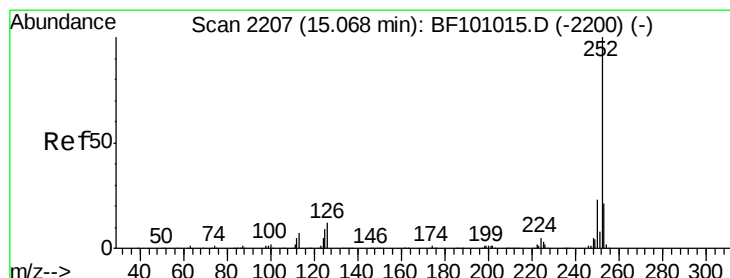
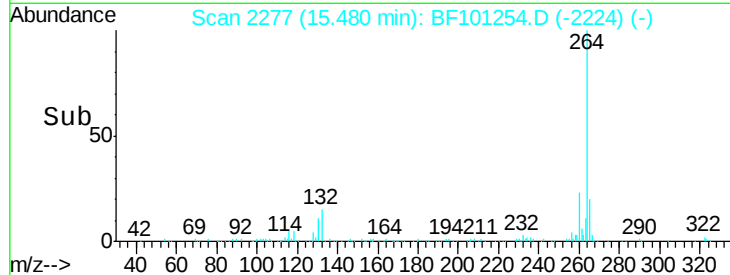
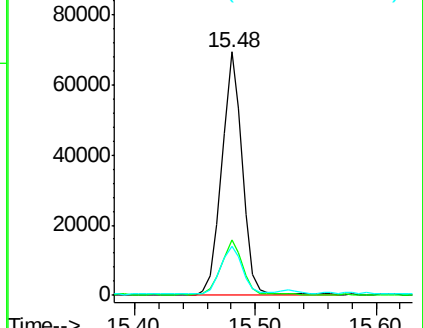
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion:264 Resp: 81531
Ion Ratio Lower Upper
264 100
260 22.6 19.2 28.8
265 20.4 17.5 26.3

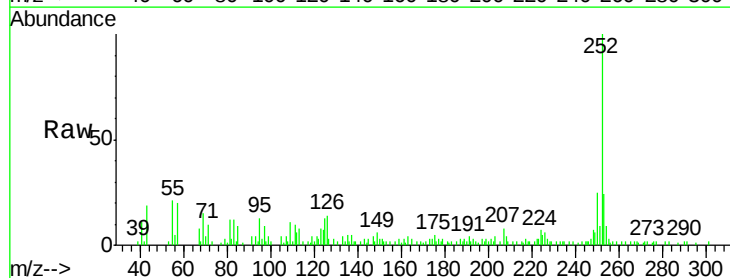


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

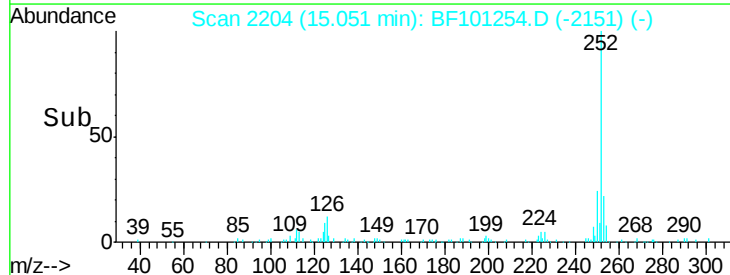
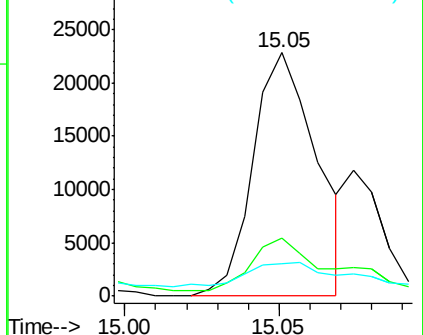


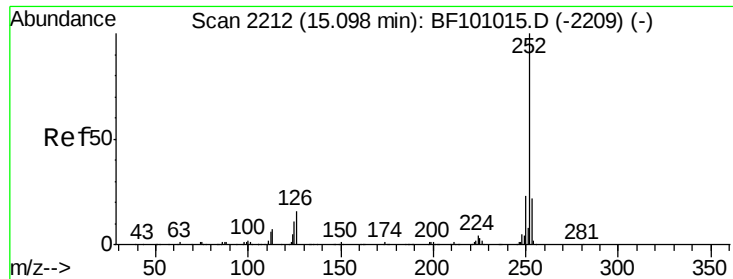
#87
Benzo(b)fluoranthene
Concen: 6.677 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:252 Resp: 32608
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 13.3 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

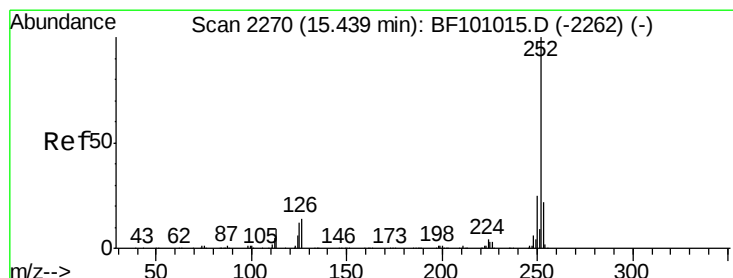
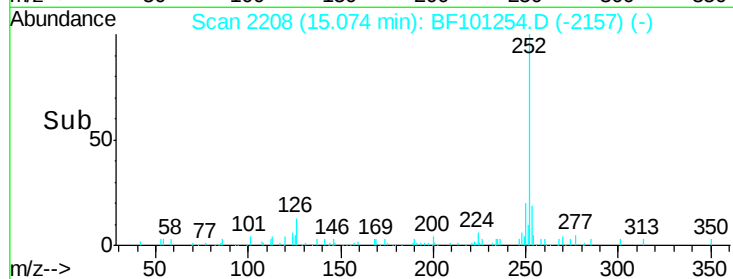
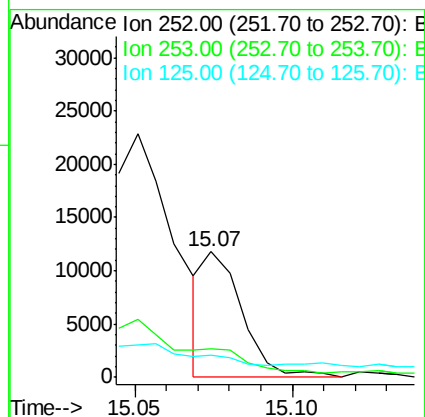
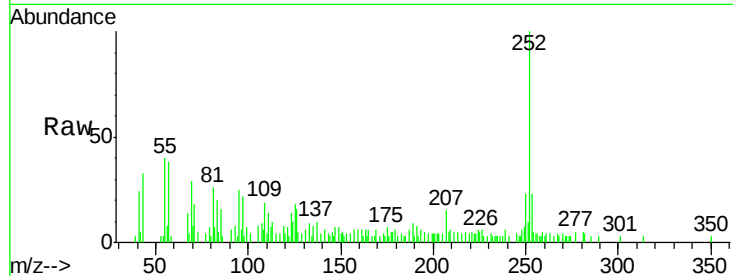




#88
Benzo(k)fluoranthene
Concen: 2.111 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

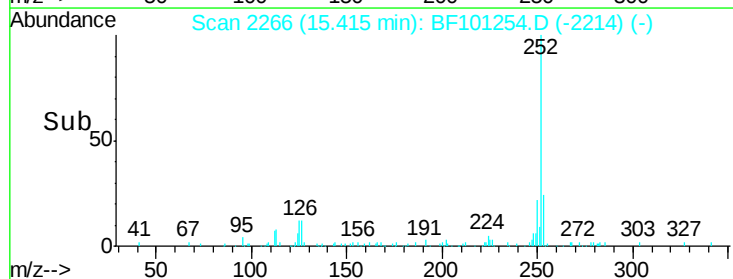
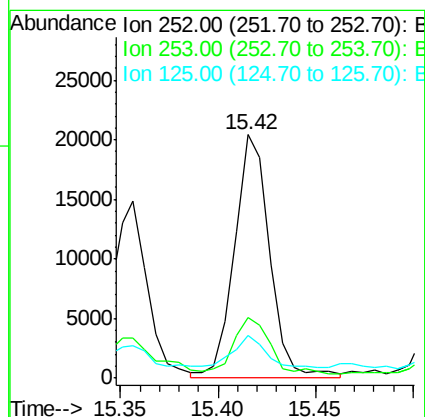
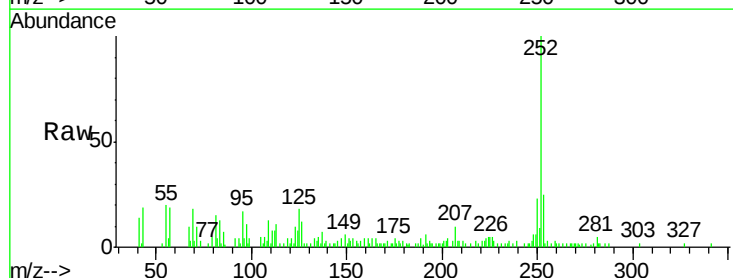
Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

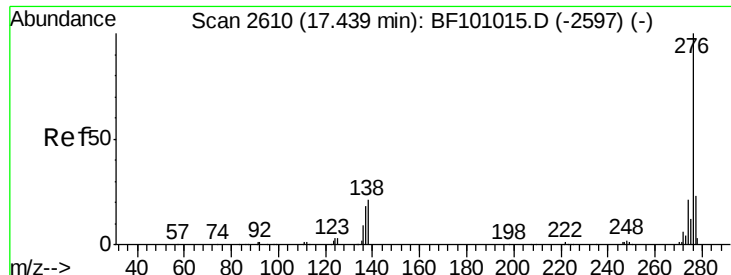
Tot Ion:252 Resp: 10156
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 17.7 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 5.785 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:252 Resp: 25682
Ion Ratio Lower Upper
252 100
253 25.1 17.1 25.7
125 17.8 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 4.247 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.02 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampleId :

PB-2-OW(0-10)

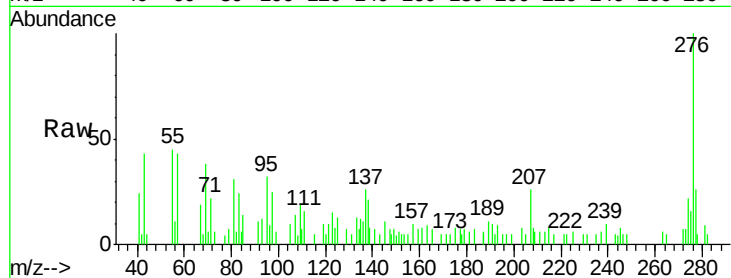
Tot Ion:276 Resp: 15667

Ion Ratio Lower Upper

276 100

277 26.3 17.9 26.9

138 20.8 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

