

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103226.D
 Acq On : 26 Feb 2018 19:19
 Operator : SJ/JU
 Sample : J1691-09 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 00:06:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	174744	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	730673	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	317301	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	494177	20.00	ng	0.00
75) Chrysene-d12	14.04	240	309361	20.00	ng	0.00
86) Perylene-d12	15.54	264	308828	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	610304	52.82	ng	0.00
7) Phenol-d6	6.50	99	715069	50.58	ng	0.00
23) Nitrobenzene-d5	7.43	82	450425	35.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	126206	46.99	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	740550	34.22	ng	0.00
78) Terphenyl-d14	12.98	244	497185	38.63	ng	0.00

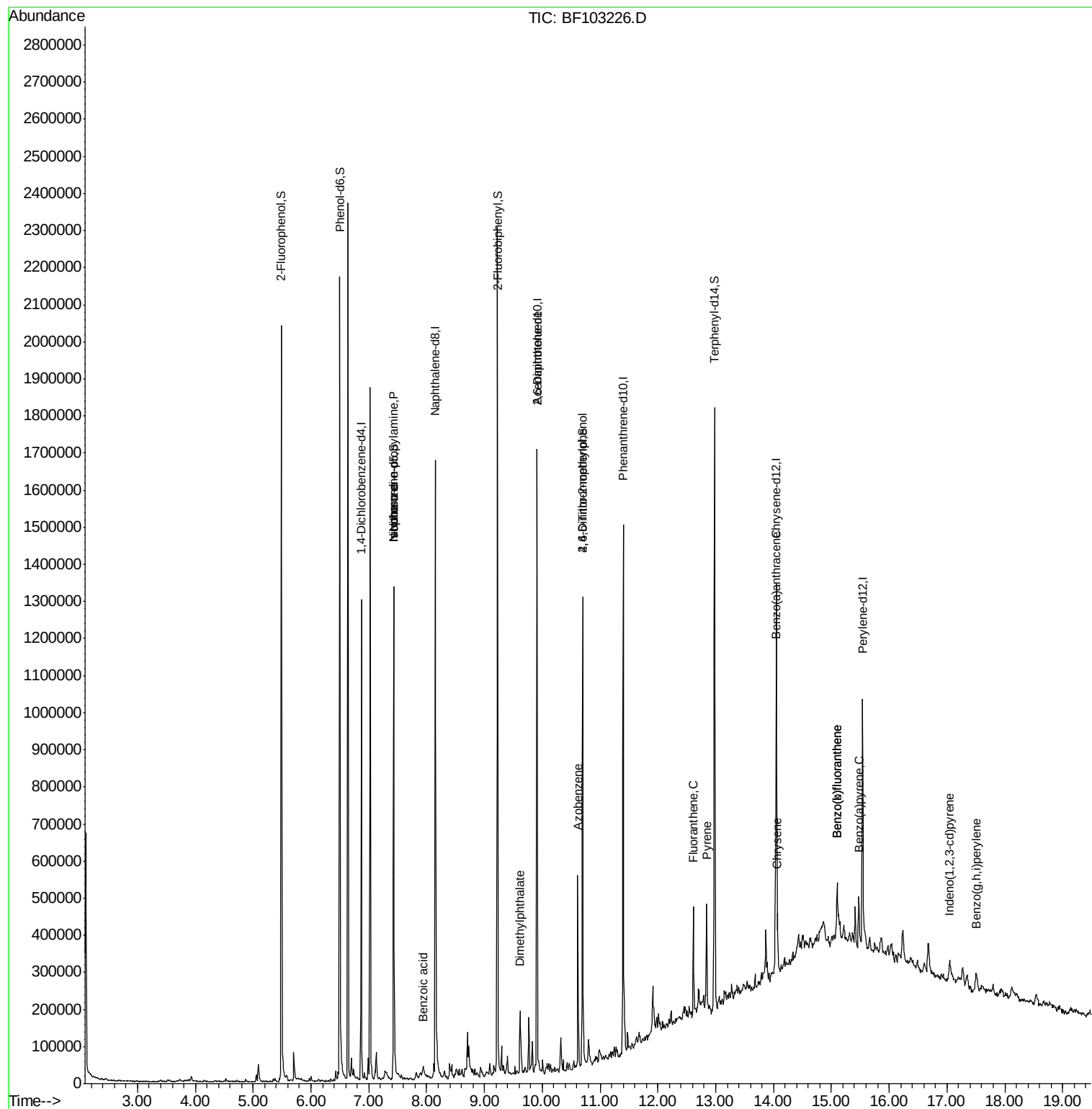
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	58951	6.70	ng	# 85
25) Isophorone	7.43	82	450419	17.87	ng	# 64
32) Benzoic acid	7.95	122	8848	7.92	ng	# 26
49) Dimethylphthalate	9.62	163	52922	2.08	ng	# 99
50) 2,6-Dinitrotoluene	9.91	165	41259	7.72	ng	# 27
62) Azobenzene	10.62	77	98986	3.99	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	294	5.03	ng	# 1
74) Fluoranthene	12.62	202	116246	4.25	ng	98
77) Pyrene	12.84	202	108906	4.52	ng	97
80) Benzo(a)anthracene	14.03	228	63288	3.15	ng	95
82) Chrysene	14.07	228	57036	2.93	ng	96
85) Indeno(1,2,3-cd)pyrene	17.05	276	33851	2.19	ng	97
87) Benzo(b)fluoranthene	15.10	252	113576	5.59	ng	# 94
88) Benzo(k)fluoranthene	15.10	252	113576	5.94	ng	# 95
89) Benzo(a)pyrene	15.47	252	56945	3.14	ng	# 87
91) Benzo(g,h,i)perylene	17.51	276	35849	2.62	ng	# 91

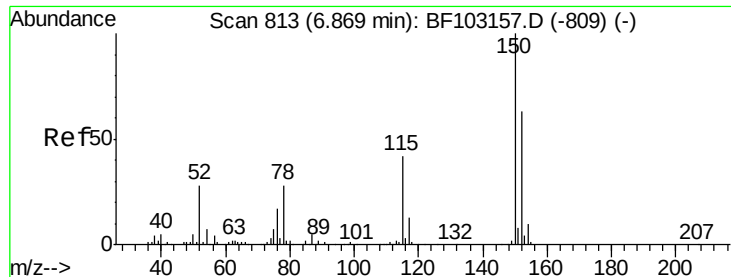
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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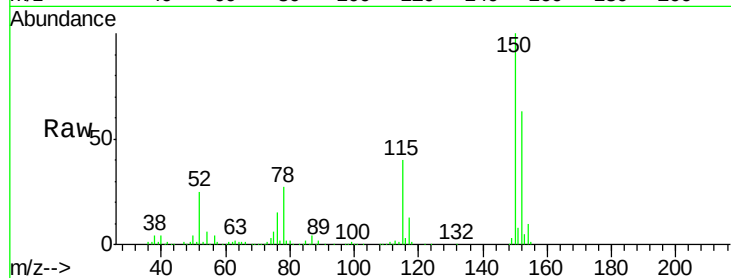


#1

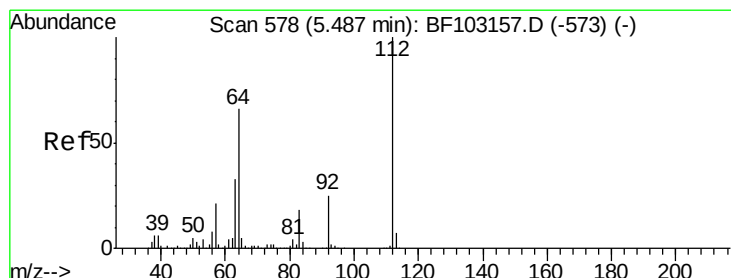
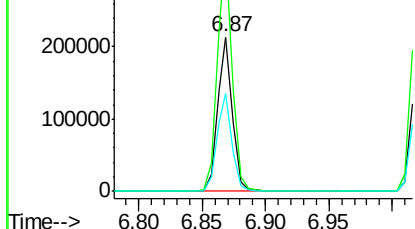
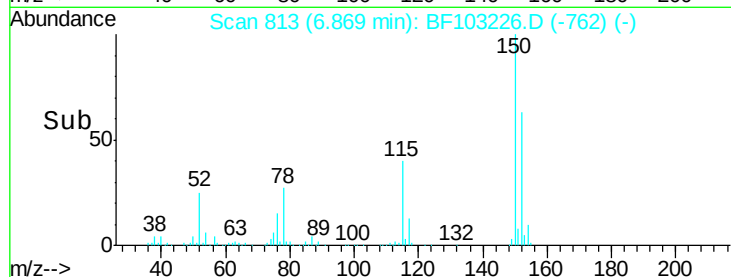
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 174744
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 63.0 50.1 75.1



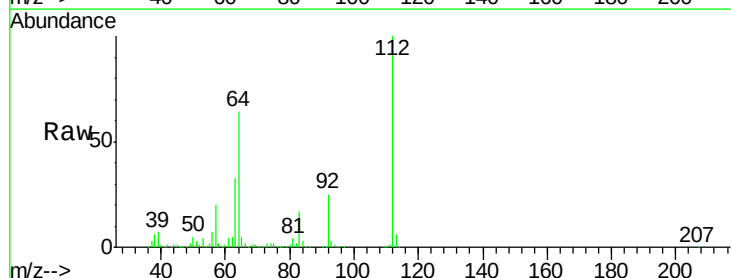
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



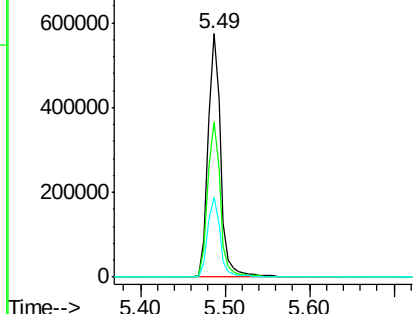
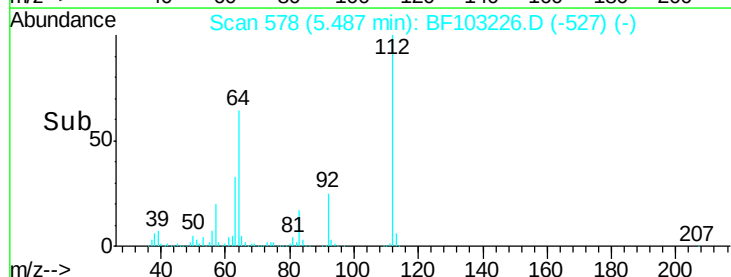
#5

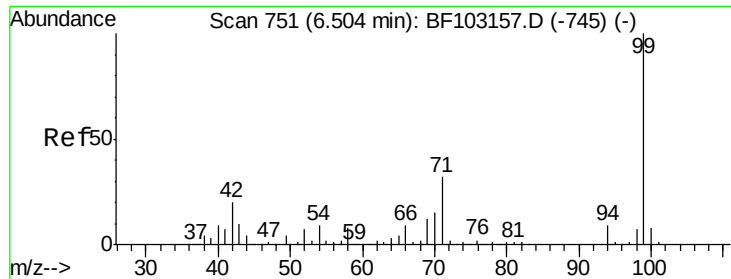
2-Fluorophenol
Concen: 52.82 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

Tgt Ion:112 Resp: 610304
Ion Ratio Lower Upper
112 100
64 63.8 47.9 71.9
63 32.7 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: 50.58 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

Instrument :

BNA_F

ClientSampled :

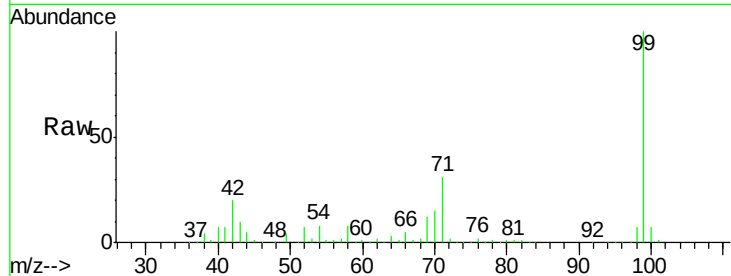
Tot Ion: 99 Resp: 715069

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

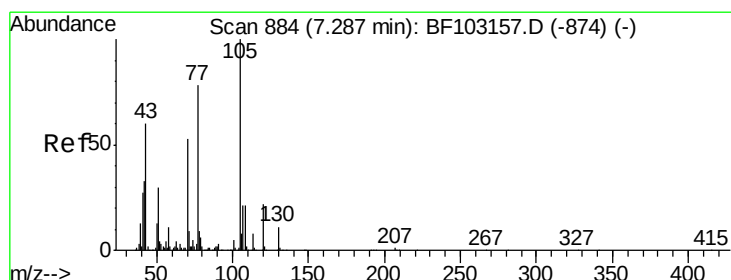
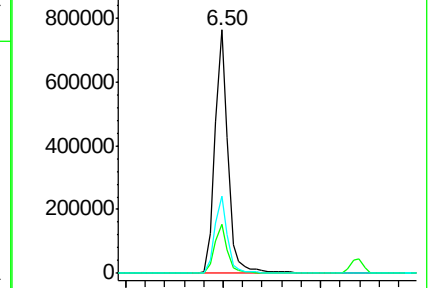
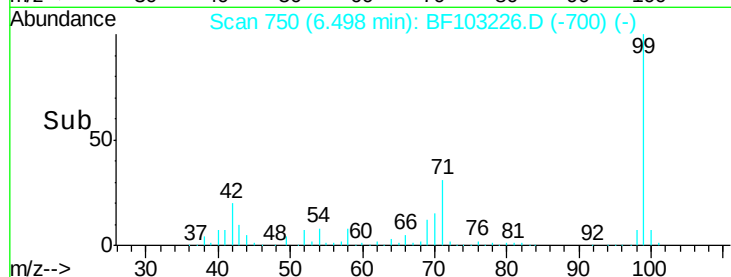
71 31.5 25.4 38.0



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: 6.70 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

Tgt Ion: 70 Resp: 58951

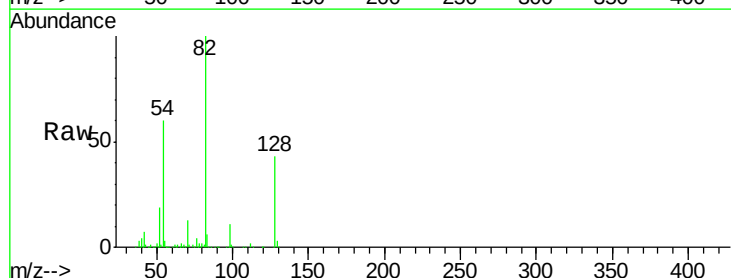
Ion Ratio Lower Upper

70 100

42 56.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

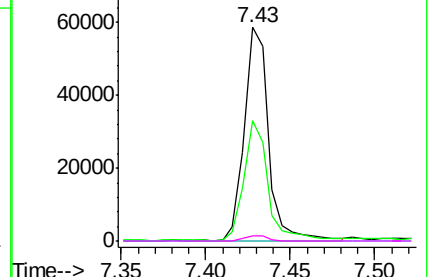
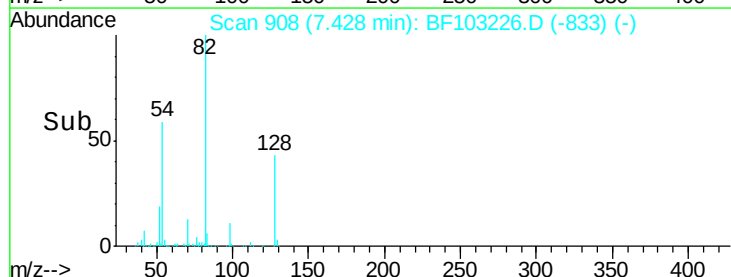


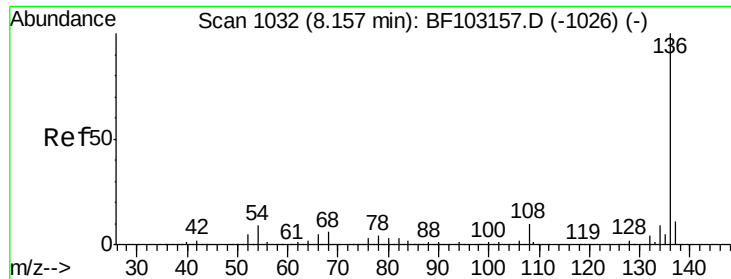
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

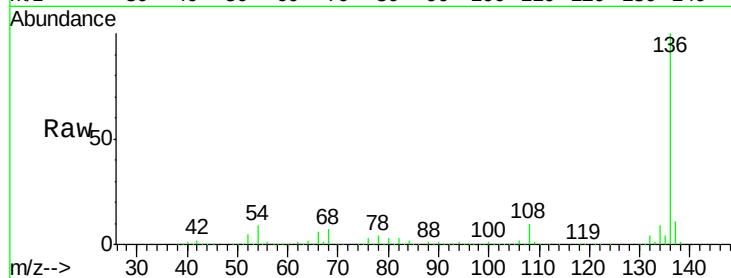




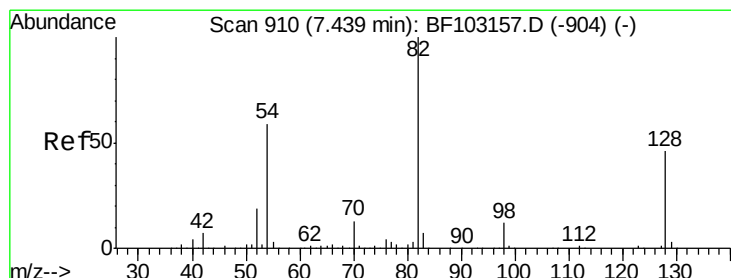
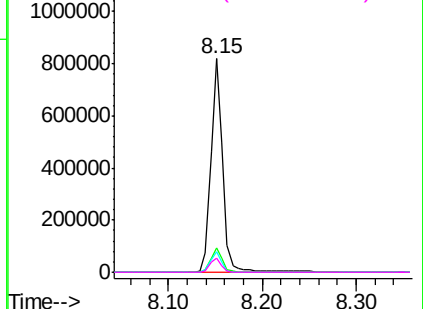
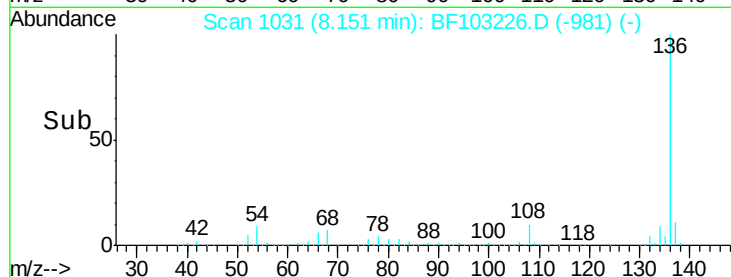
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	730673
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	9.5	6.6 9.8
68	6.7	5.0 7.4

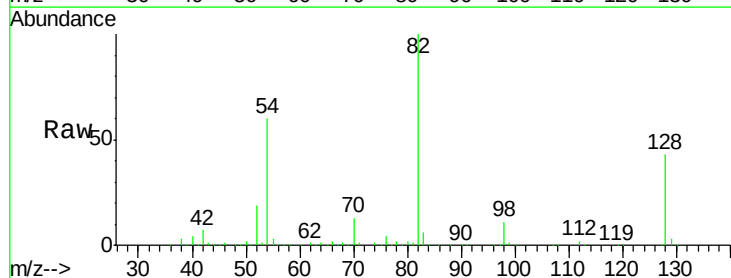


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

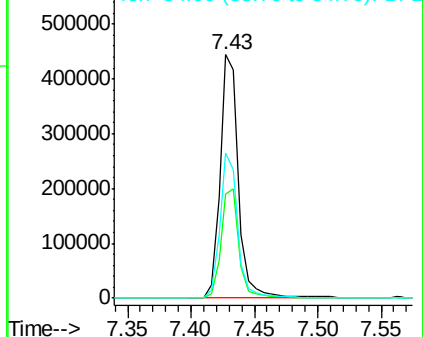
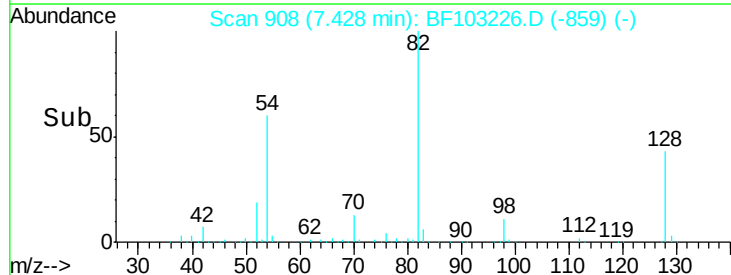


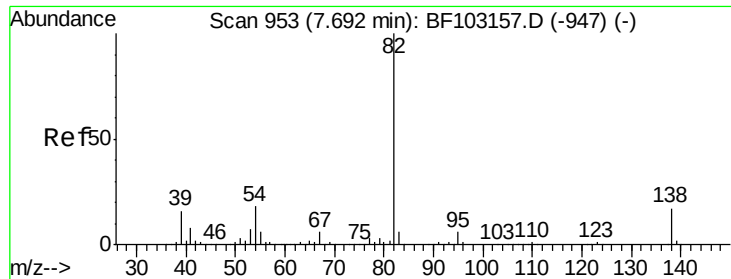
#23
Nitrobenzene-d5
Concen: 35.20 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

Tgt Ion: 82	Resp:	450425
Ion	Ratio	Lower Upper
82	100	
128	42.9	36.1 54.1
54	59.5	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.87 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

Instrument :

BNA_F

ClientSampled :

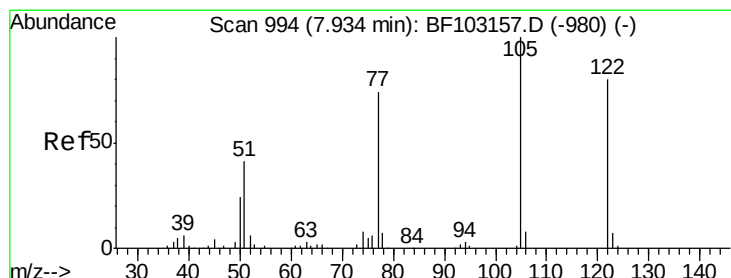
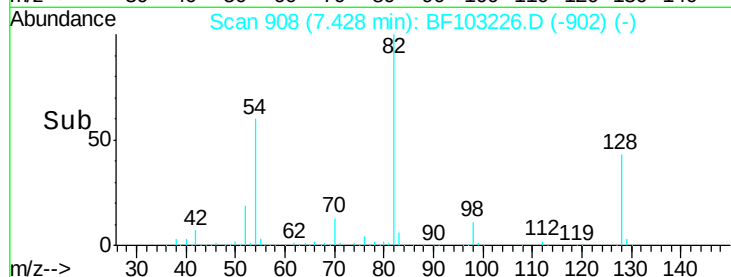
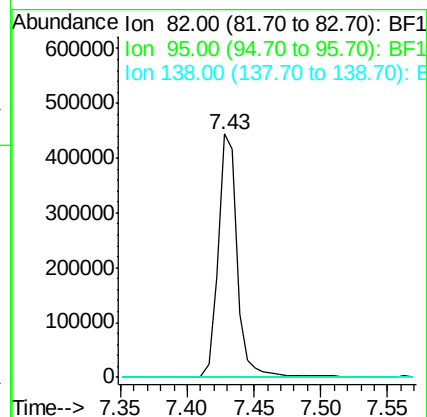
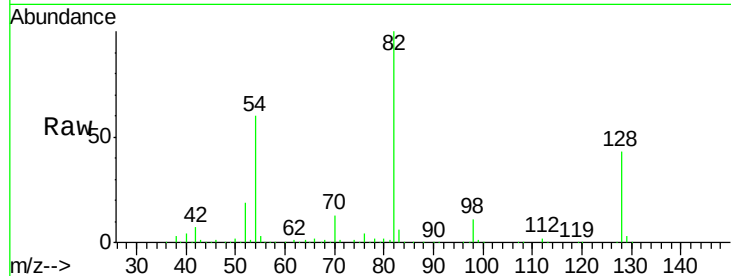
Tot Ion: 82 Resp: 450419

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.92 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.01 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

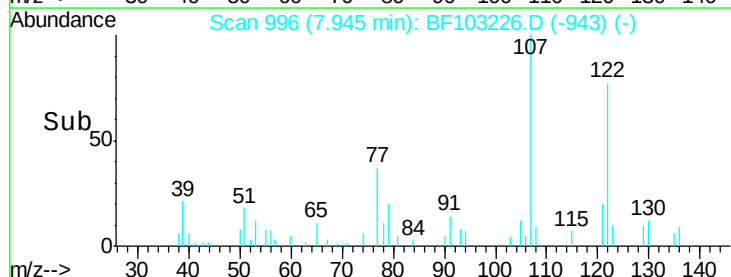
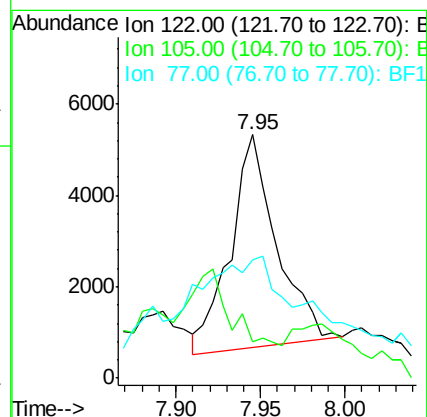
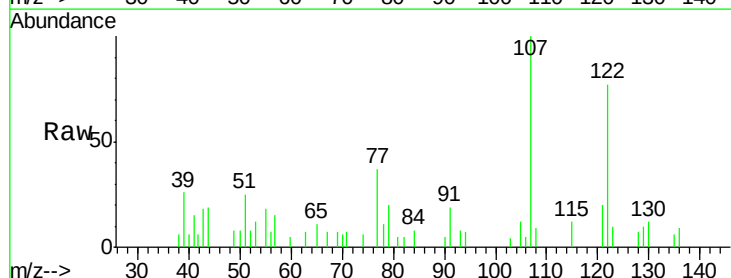
Tgt Ion: 122 Resp: 8848

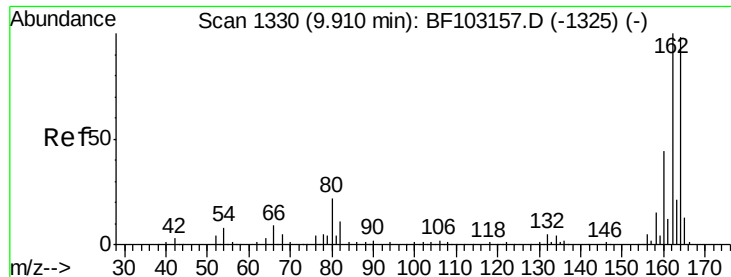
Ion Ratio Lower Upper

122 100

105 14.9 101.1 141.1#

77 48.4 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

Instrument :

BNA_F

ClientSampleId :

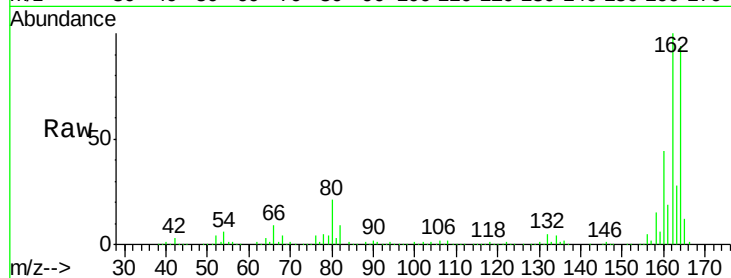
Tot Ion:164 Resp: 317301

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

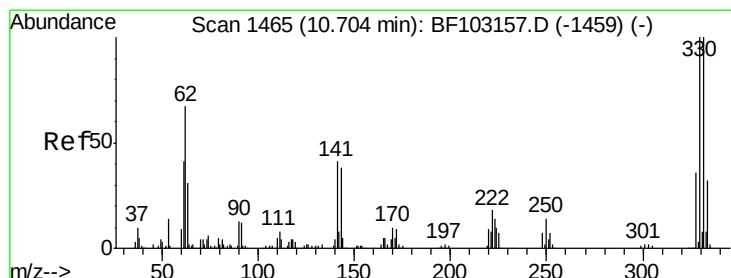
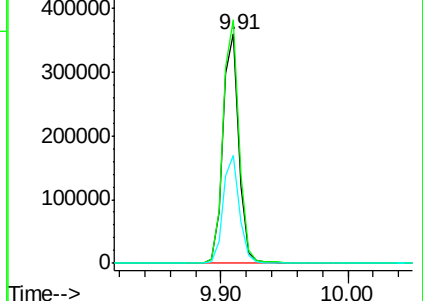
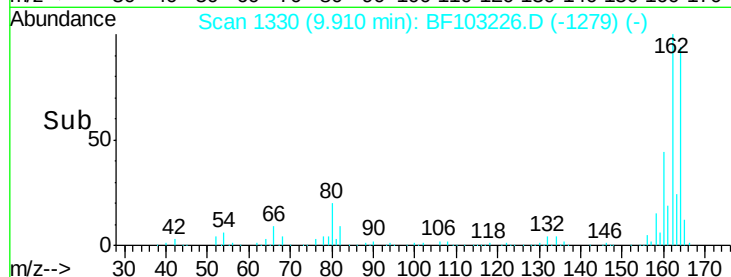
160 46.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 46.99 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

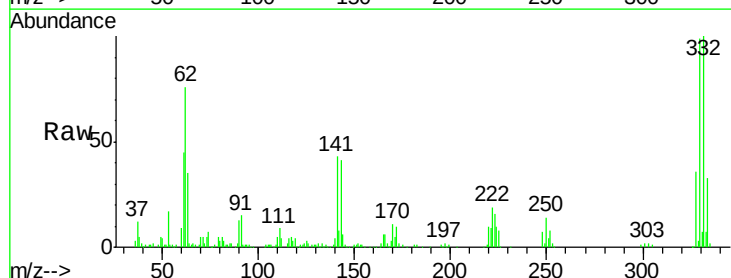
Tgt Ion:330 Resp: 126206

Ion Ratio Lower Upper

330 100

332 104.1 77.0 115.6

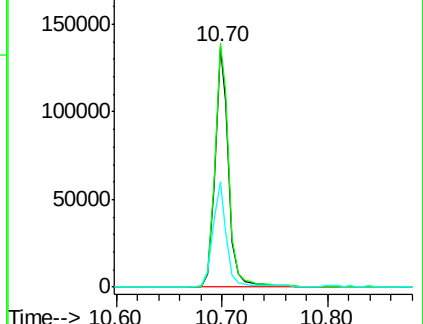
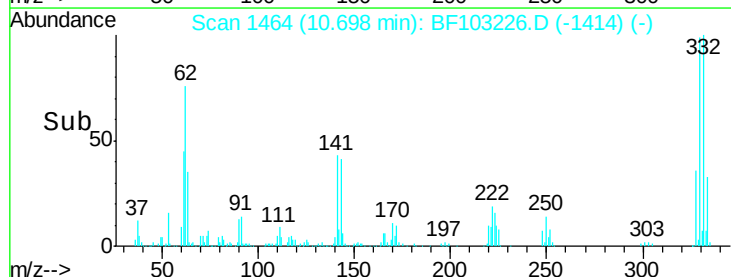
141 44.8 29.9 44.9

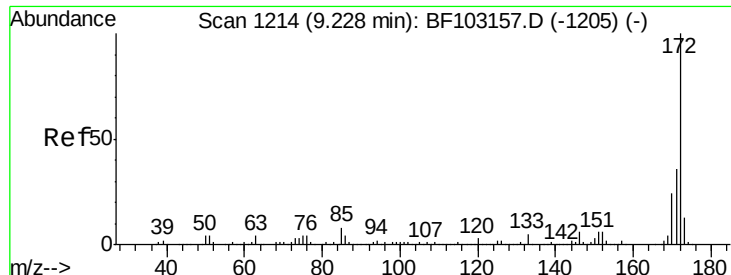


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

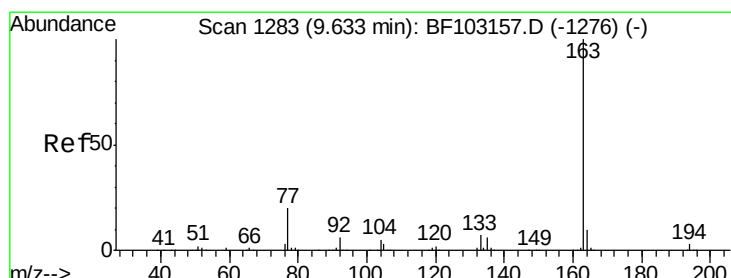
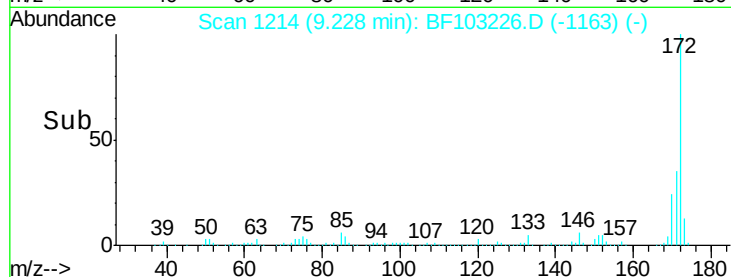
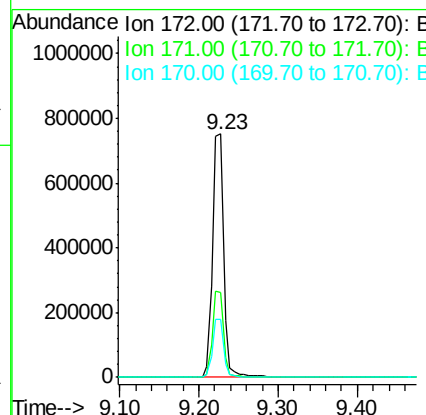
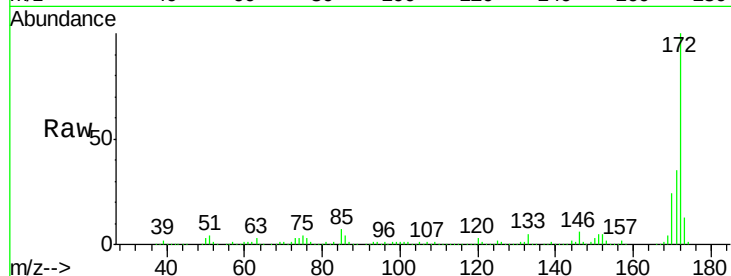




#44
2-Fluorobiphenyl
Concen: 34.22 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

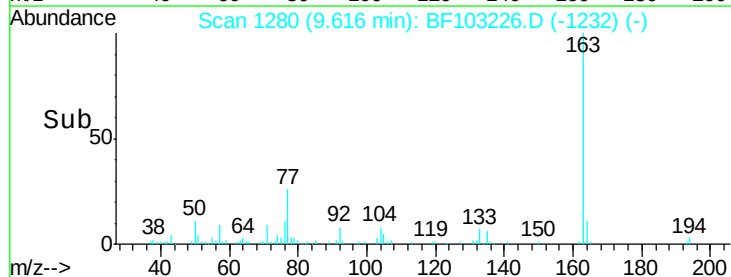
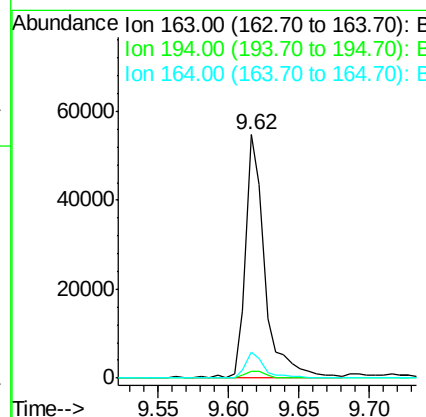
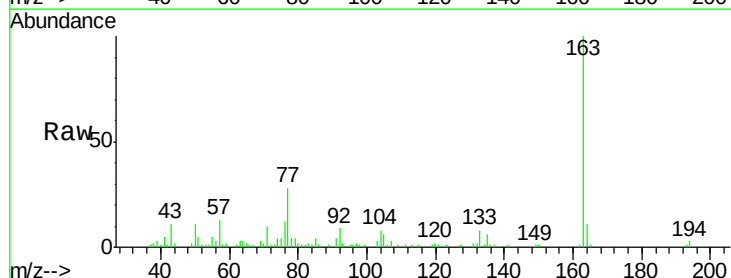
Instrument :
BNA_F
ClientSampleId :

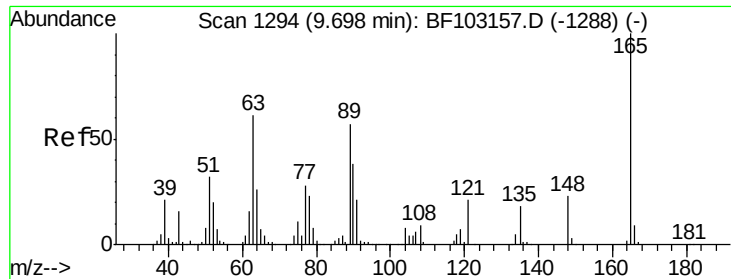
Tot Ion:172 Resp: 740550
Ion Ratio Lower Upper
172 100
171 34.6 29.7 44.5
170 24.0 19.6 29.4



#49
Dimethylphthalate
Concen: 2.08 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

Tgt Ion:163 Resp: 52922
Ion Ratio Lower Upper
163 100
194 2.6 2.7 4.1#
164 10.5 8.2 12.2

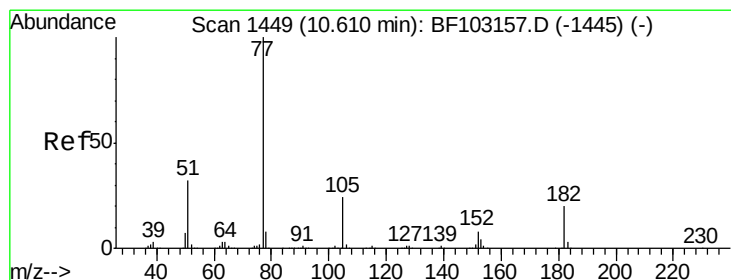
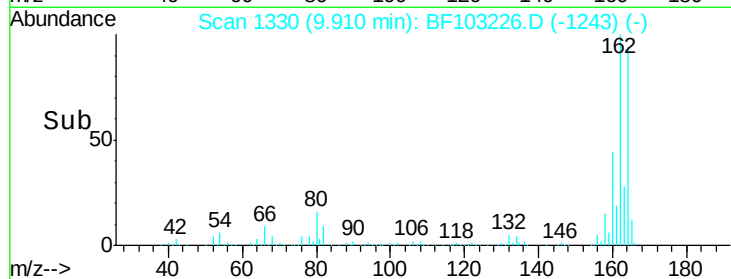
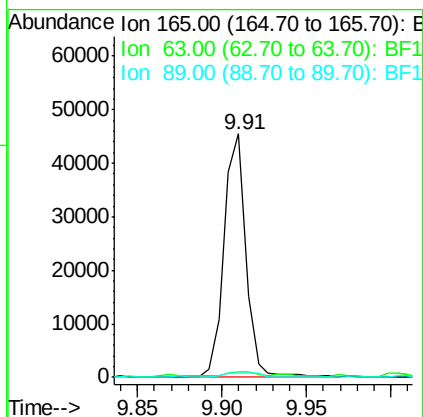
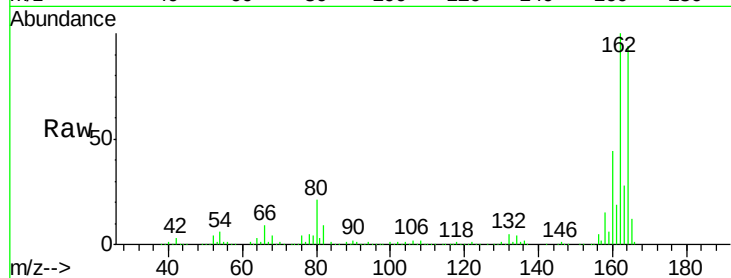




#50
 2,6-Dinitrotoluene
 Concen: 7.72 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF103226.D
 Acq: 26 Feb 2018 19:19

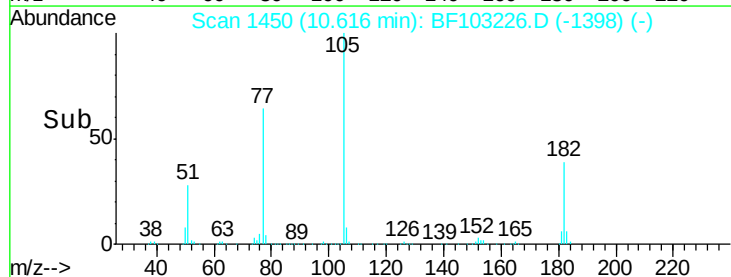
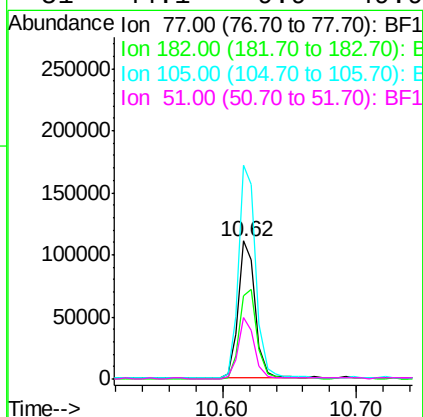
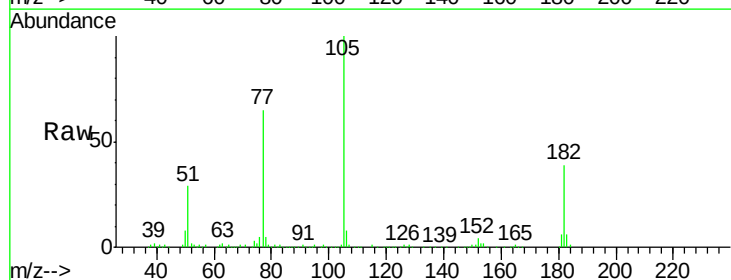
Instrument :
 BNA_F
 ClientSampleId :

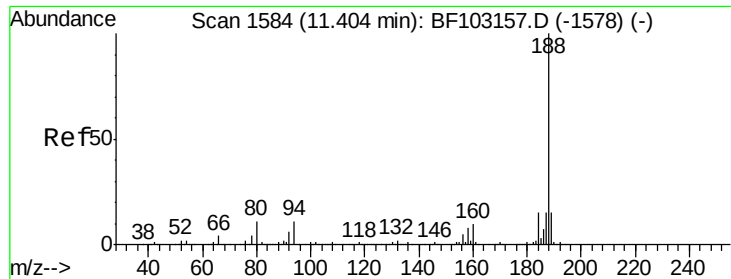
Tot Ion:165 Resp: 41259
 Ion Ratio Lower Upper
 165 100
 63 2.4 44.7 67.1#
 89 1.9 44.0 66.0#



#62
 Azobenzene
 Concen: 3.99 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF103226.D
 Acq: 26 Feb 2018 19:19

Tgt Ion: 77 Resp: 98986
 Ion Ratio Lower Upper
 77 100
 182 60.5 1.7 41.7#
 105 154.6 3.0 43.0#
 51 44.1 9.9 49.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

Instrument :

BNA_F

ClientSampleId :

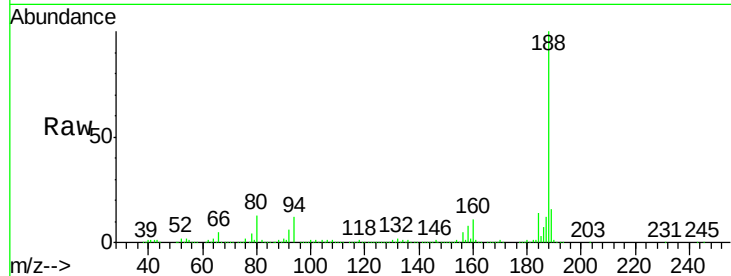
Tot Ion:188 Resp: 494177

Ion Ratio Lower Upper

188 100

94 12.3 8.5 12.7

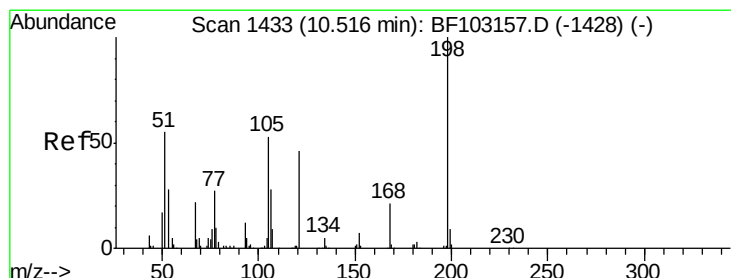
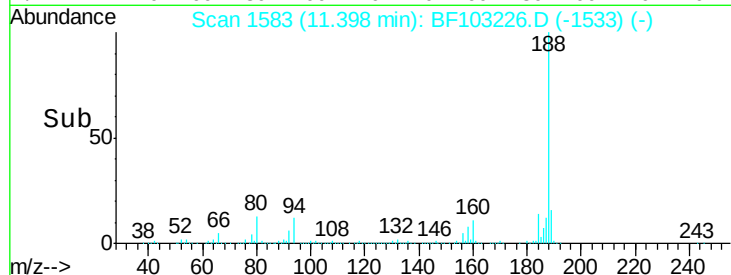
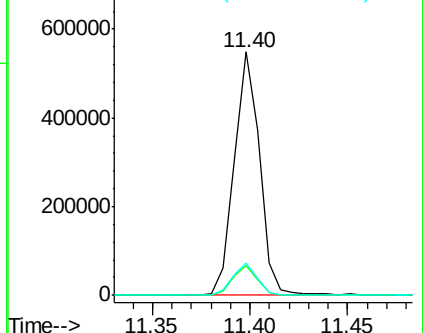
80 13.4 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.03 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

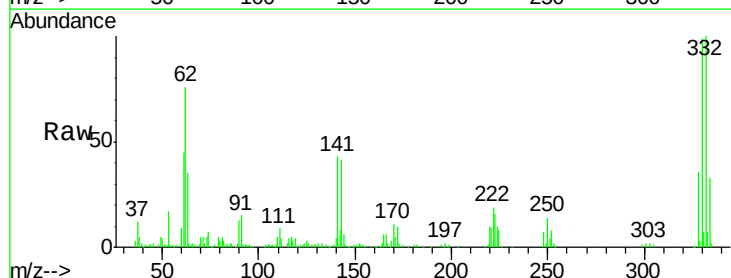
Tgt Ion:198 Resp: 294

Ion Ratio Lower Upper

198 100

51 266.3 37.7 77.7#

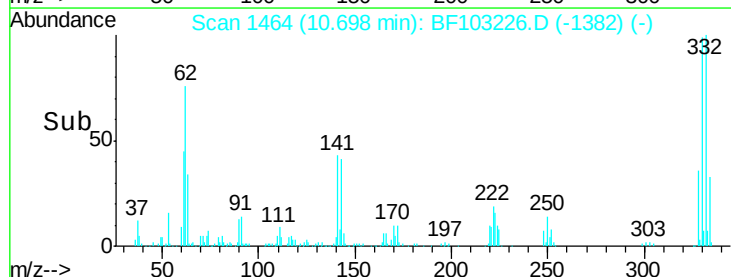
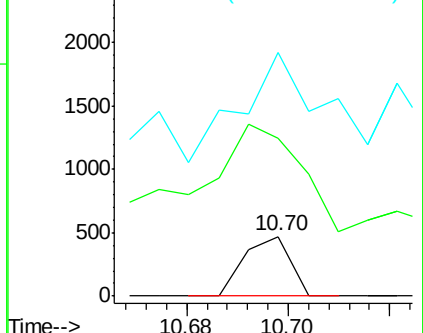
105 409.8 36.3 76.3#

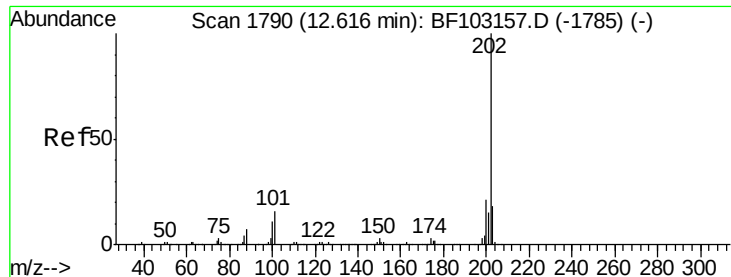


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#74

Fluoranthene

Concen: 4.25 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

Instrument :

BNA_F

ClientSampleId :

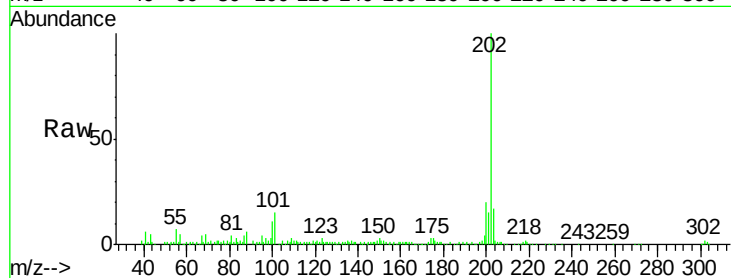
Tot Ion:202 Resp: 116246

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

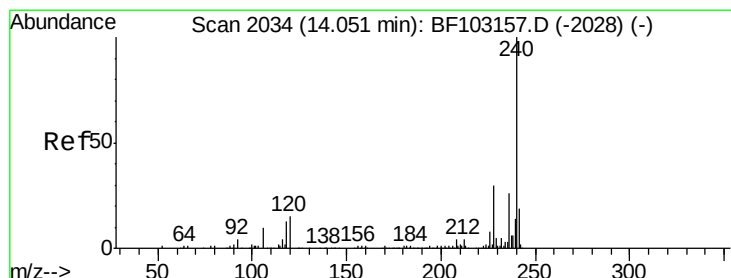
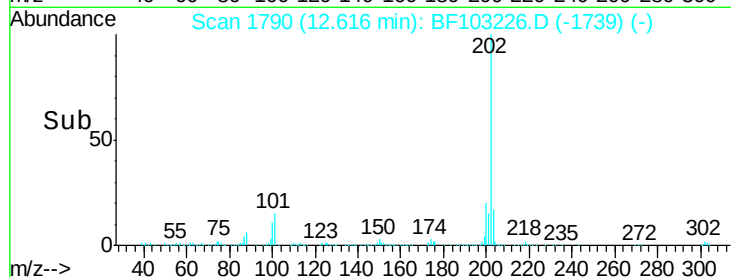
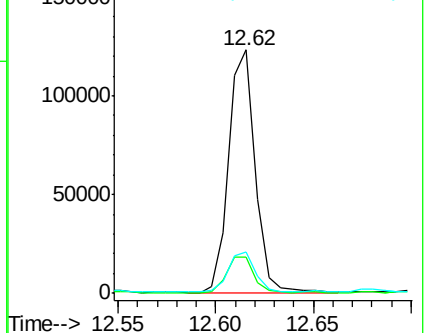
203 17.0 0.0 38.1



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: 20.00 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

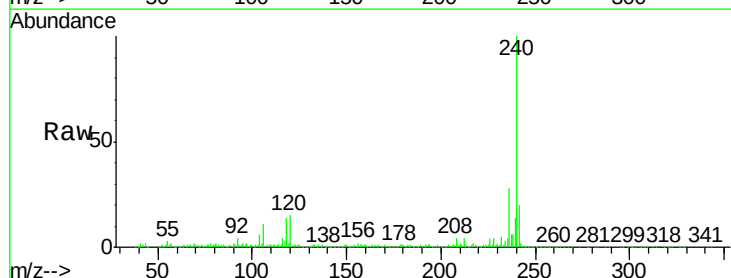
Tgt Ion:240 Resp: 309361

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

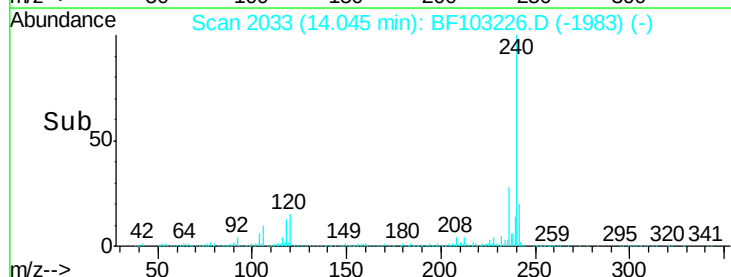
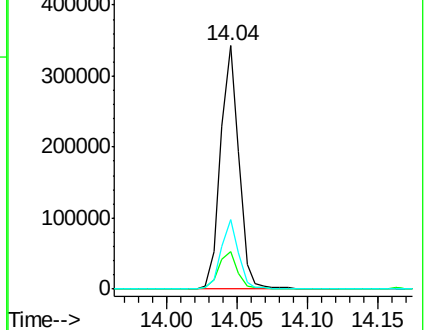
236 28.3 20.7 31.1

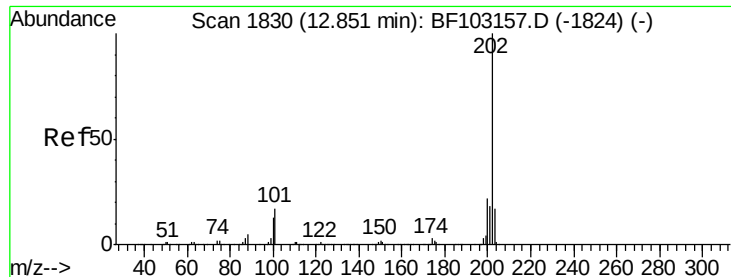


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.52 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

Instrument :

BNA_F

ClientSampleId :

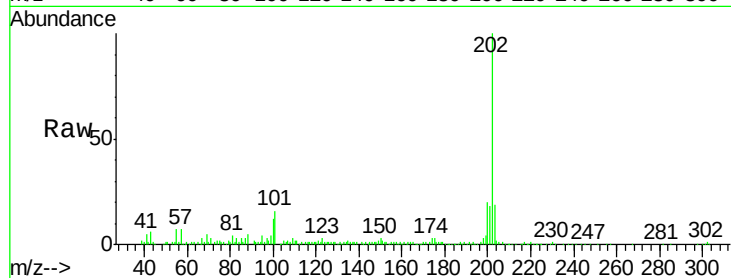
Tot Ion:202 Resp: 108906

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

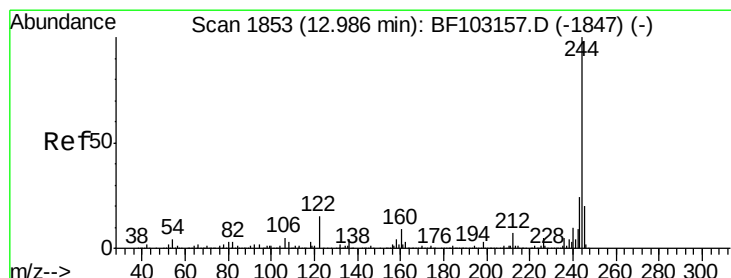
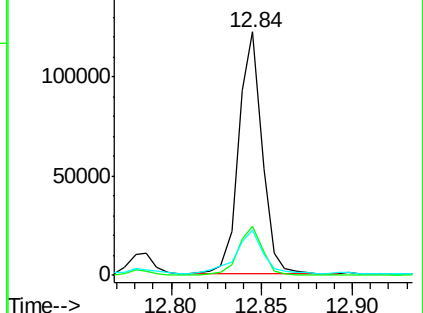
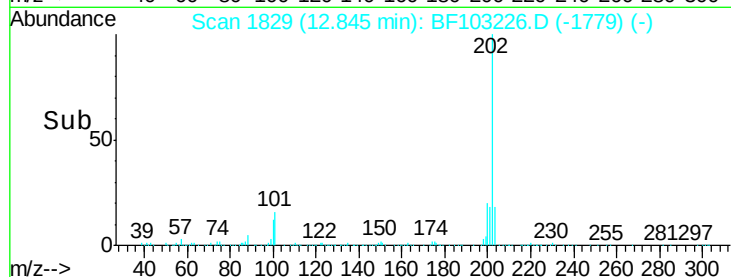
203 18.7 14.3 21.5



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: 38.63 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

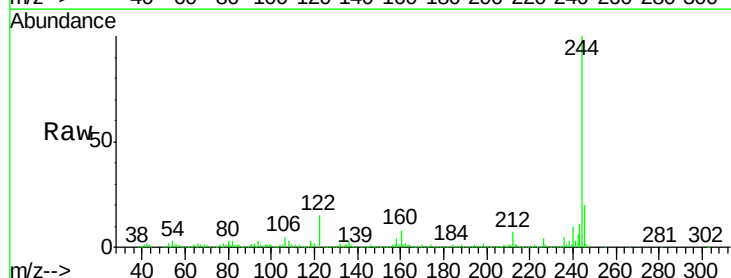
Tgt Ion:244 Resp: 497185

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

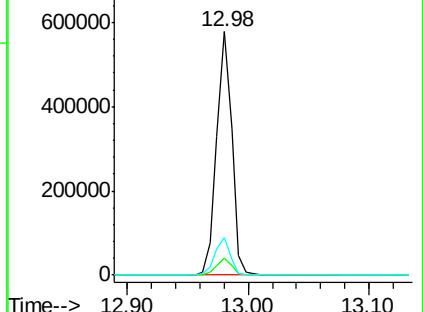
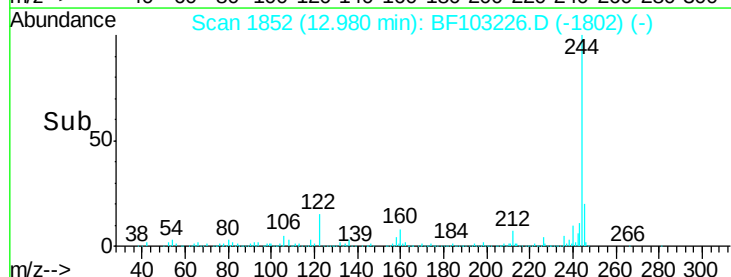
122 15.3 11.0 16.4

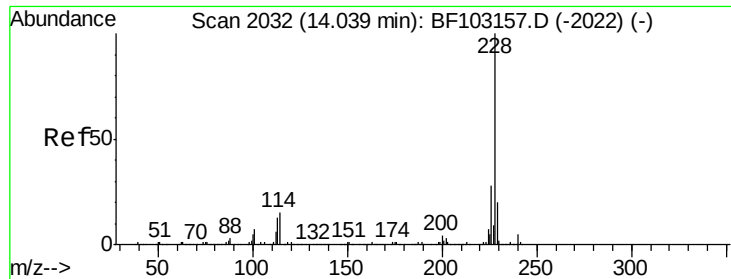


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

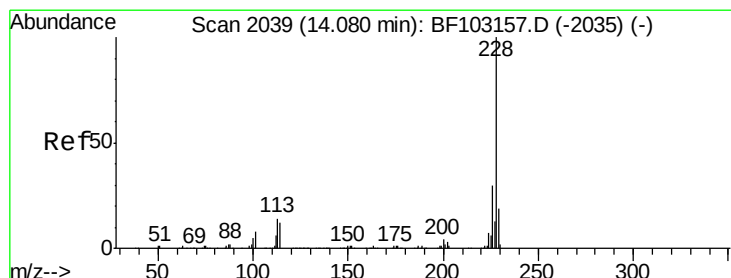
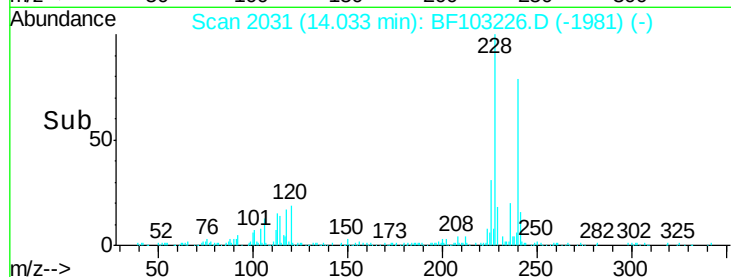
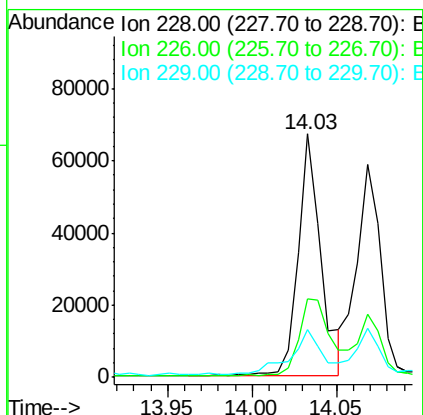
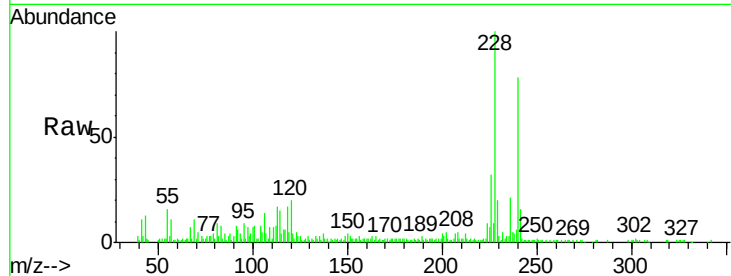




#80
Benzo(a)anthracene
Concen: 3.15 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

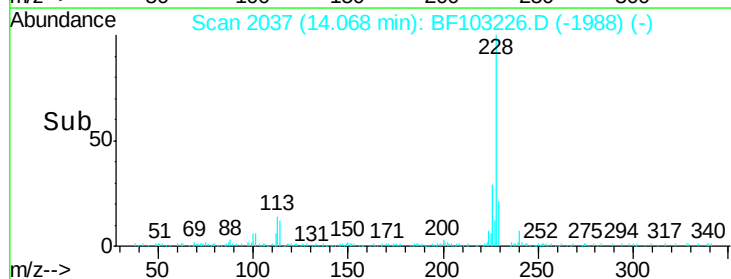
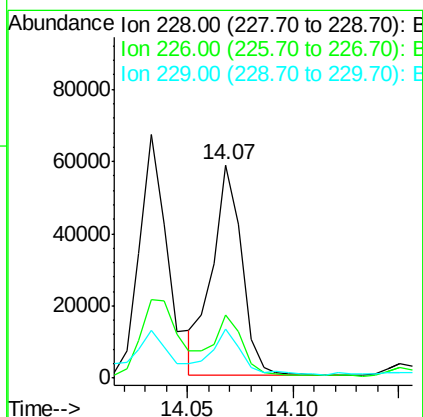
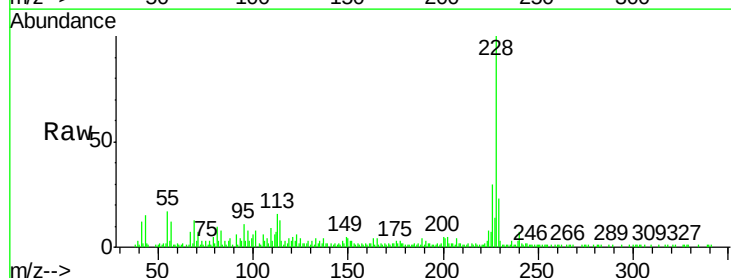
Instrument :
BNA_F
ClientSampleId :

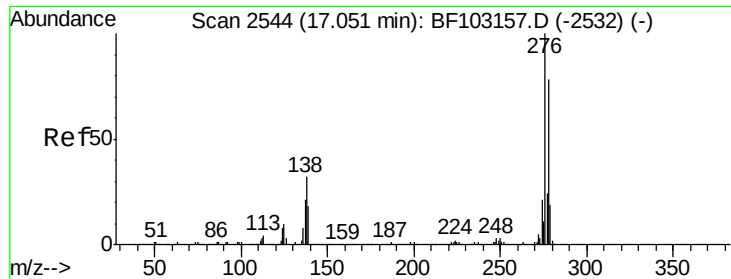
Tot Ion:228 Resp: 63288
Ion Ratio Lower Upper
228 100
226 32.3 22.6 33.8
229 19.8 15.8 23.6



#82
Chrysene
Concen: 2.93 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

Tgt Ion:228 Resp: 57036
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 22.7 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.19 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.00 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

Instrument :

BNA_F

ClientSampleId :

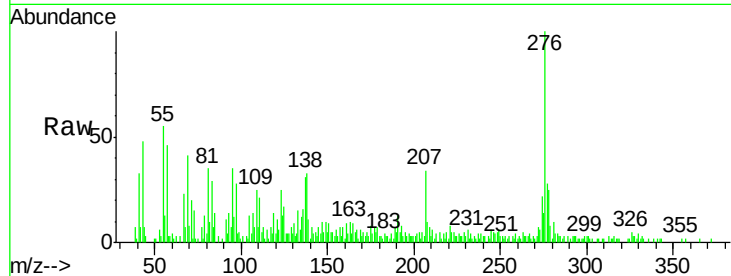
Tot Ion:276 Resp: 33851

Ion Ratio Lower Upper

276 100

138 29.9 25.0 37.6

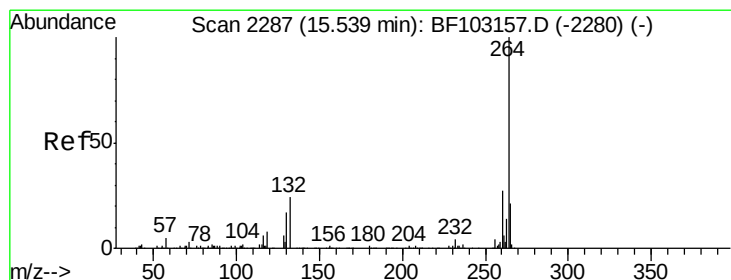
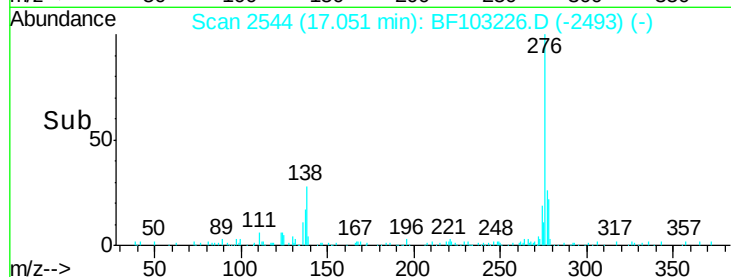
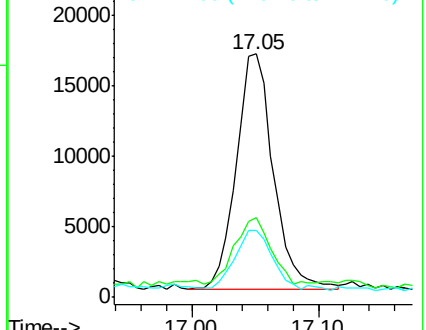
277 26.7 20.1 30.1



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: 20.00 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.00 min

Lab File: BF103226.D

Acq: 26 Feb 2018 19:19

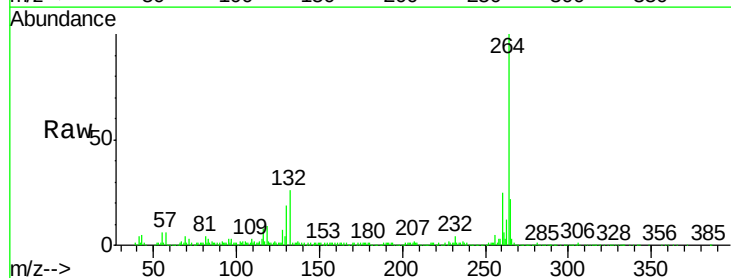
Tgt Ion:264 Resp: 308828

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

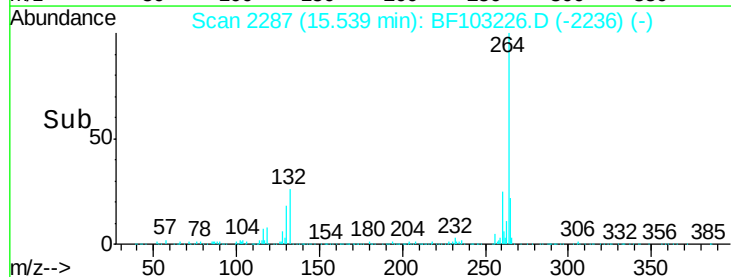
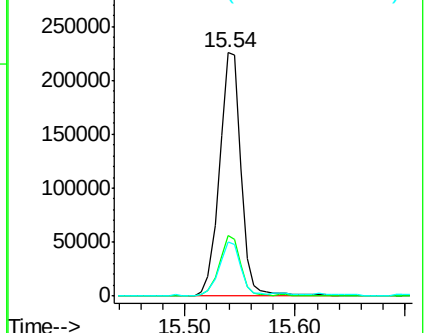
265 22.0 17.5 26.3

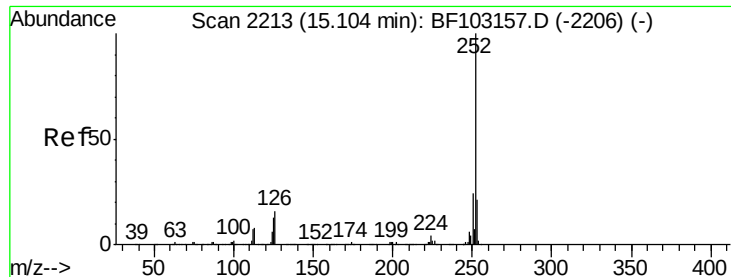


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

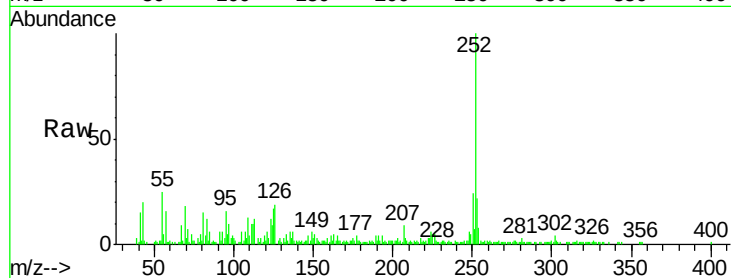




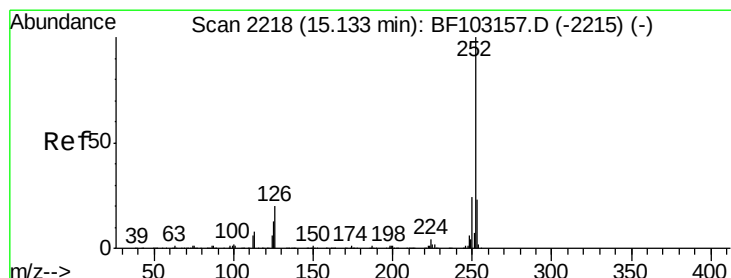
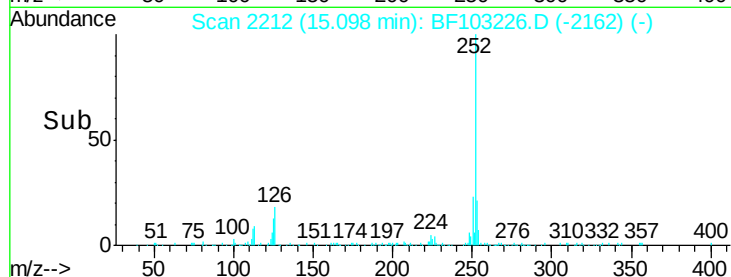
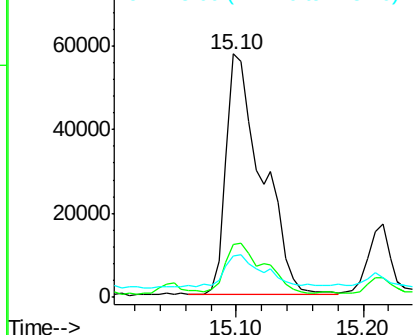
#87
Benzo(b)fluoranthene
Concen: 5.59 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 113576
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 16.9 9.0 13.6#

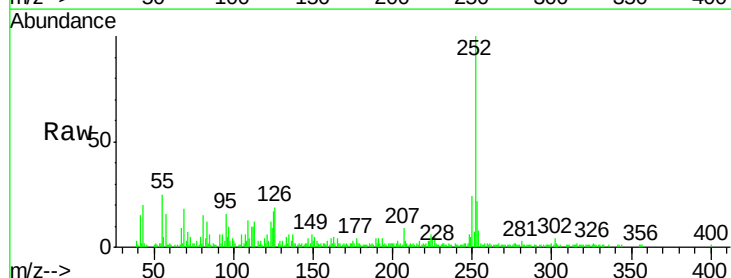


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

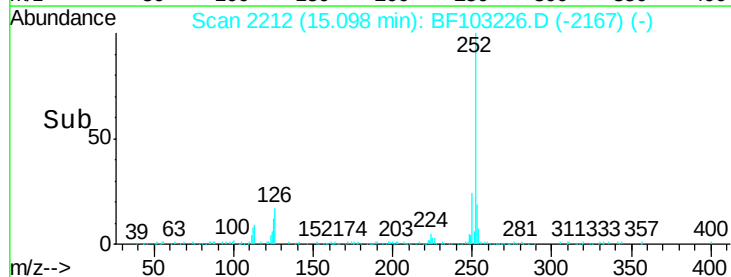
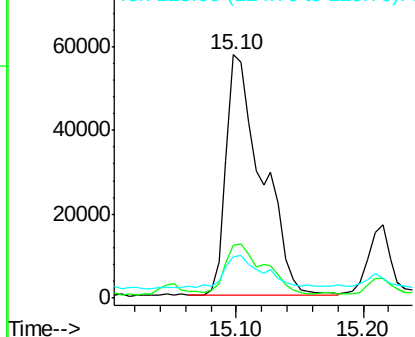


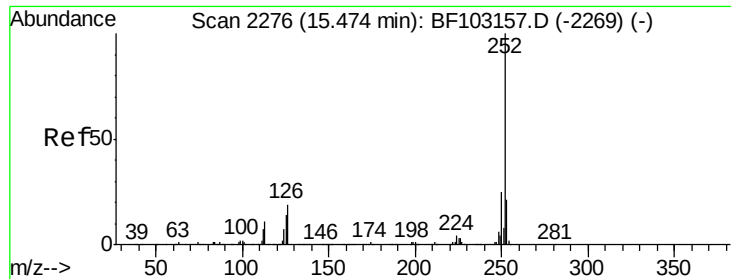
#88
Benzo(k)fluoranthene
Concen: 5.94 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

Tgt Ion:252 Resp: 113576
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 16.9 10.2 15.2#



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

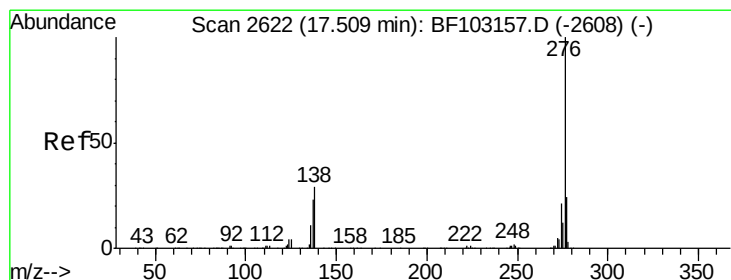
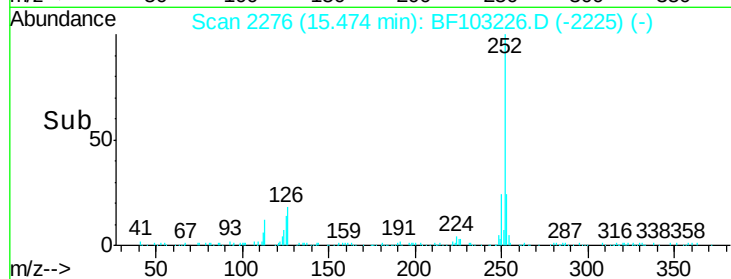
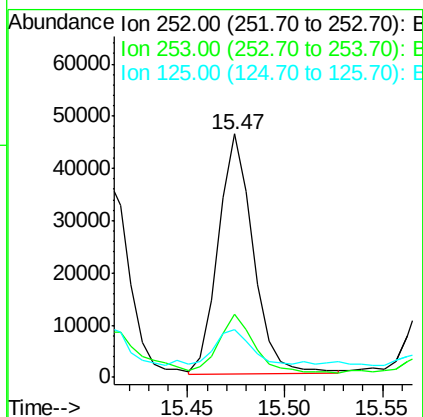
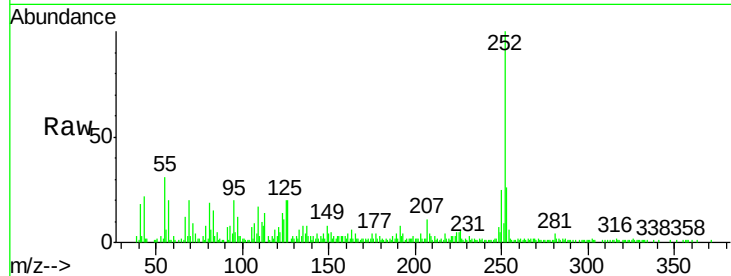




#89
Benzo(a)pyrene
Concen: 3.14 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	19.6	9.8	14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.62 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.00 min
Lab File: BF103226.D
Acq: 26 Feb 2018 19:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	33.2	21.8	32.8#

