

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103264.D
 Acq On : 27 Feb 2018 15:48
 Operator : SJ/JU
 Sample : J1397-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 16:55:20 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	142805	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	588105	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	239463	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	334040	20.00	ng	0.00
75) Chrysene-d12	14.05	240	250761	20.00	ng	0.00
86) Perylene-d12	15.56	264	184314	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	954541	101.09	ng	0.01
7) Phenol-d6	6.51	99	1135483	98.28	ng	0.00
23) Nitrobenzene-d5	7.44	82	711687	69.11	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	180252	88.93	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	995680	68.31	ng	0.00
78) Terphenyl-d14	12.99	244	637487	61.11	ng	0.00

Target Compounds

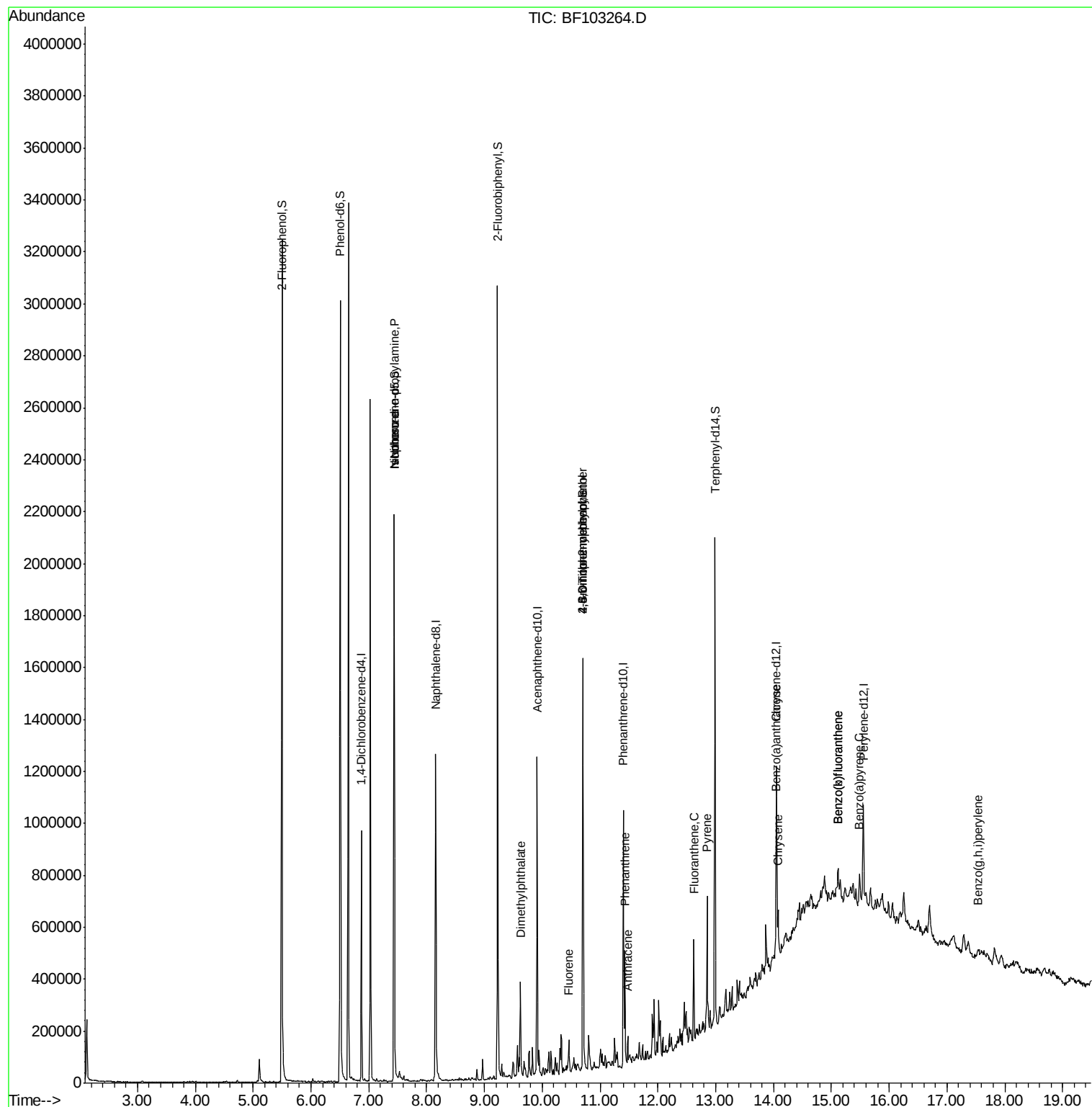
						Qvalue
9) Benzaldehyde	6.51	77	2145	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	96589	13.433	ng	# 79
25) Isophorone	7.44	82	711677	35.089	ng	# 64
49) Dimethylphthalate	9.62	163	133632	6.956	ng	99
57) Fluorene	10.46	166	33535	2.014	ng	98
64) 4,6-Dinitro-2-methylphenol	10.70	198	384	5.115	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12252	3.521	ng	# 1
70) Phenanthrene	11.43	178	146225	7.954	ng	98
71) Anthracene	11.48	178	40001	2.122	ng	100
74) Fluoranthene	12.62	202	138027	7.472	ng	99
77) Pyrene	12.85	202	184802	9.452	ng	99
80) Benzo(a)anthracene	14.04	228	62253	3.826	ng	# 92
82) Chrysene	14.08	228	68008	4.305	ng	96
87) Benzo(b)fluoranthene	15.12	252	60301	4.976	ng	# 57
88) Benzo(k)fluoranthene	15.12	252	60301	5.284	ng	# 60
89) Benzo(a)pyrene	15.49	252	36805	3.401	ng	# 76
91) Benzo(a,h,i)perylene	17.54	276	18538	2.268	ng	# 83

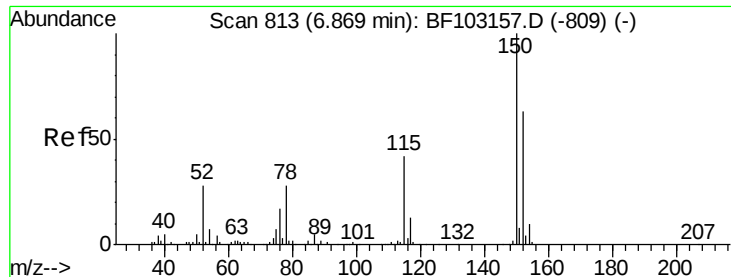
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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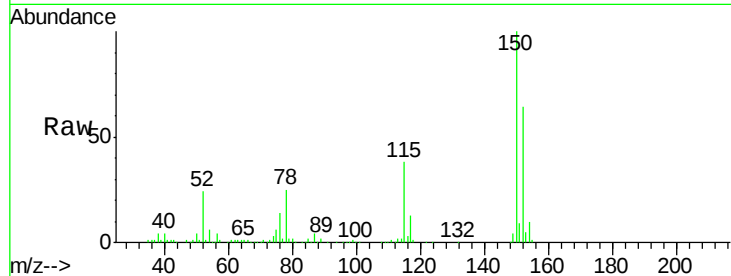


#1

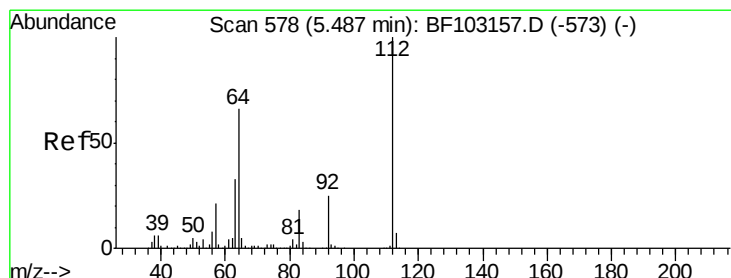
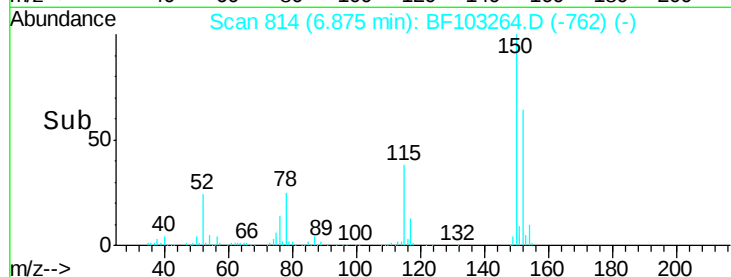
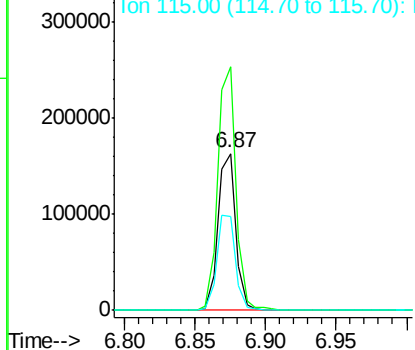
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103264.D
Acq: 27 Feb 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142805
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 59.7 50.1 75.1



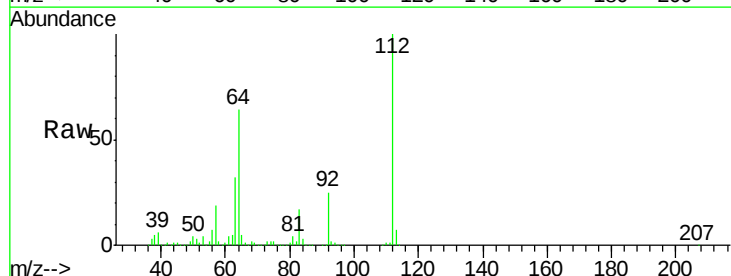
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



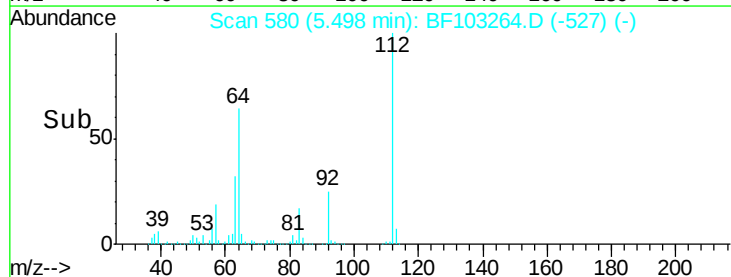
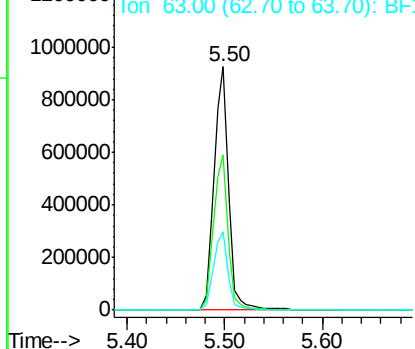
#5

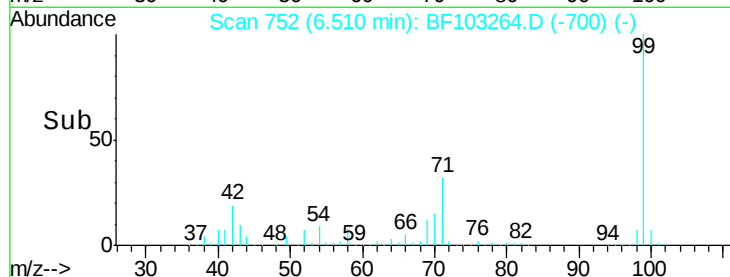
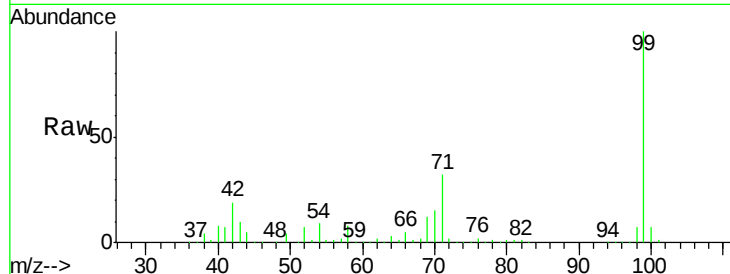
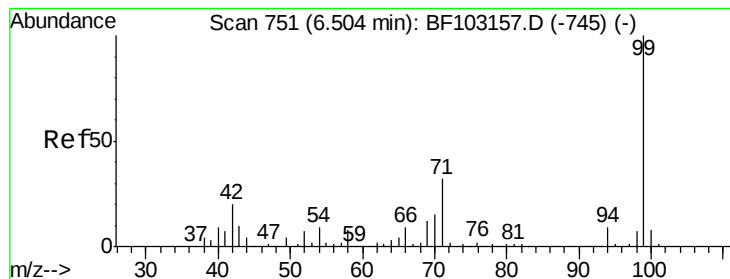
2-Fluorophenol
Concen: 101.094 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103264.D
Acq: 27 Feb 2018 15:48

Tgt Ion:112 Resp: 954541
Ion Ratio Lower Upper
112 100
64 63.6 47.9 71.9
63 32.3 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: 98.278 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

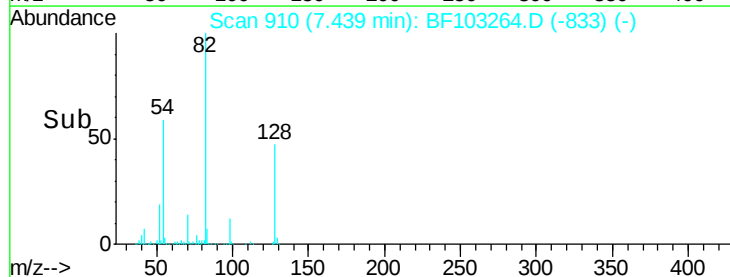
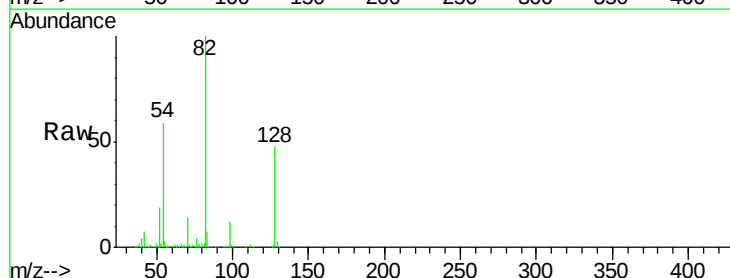
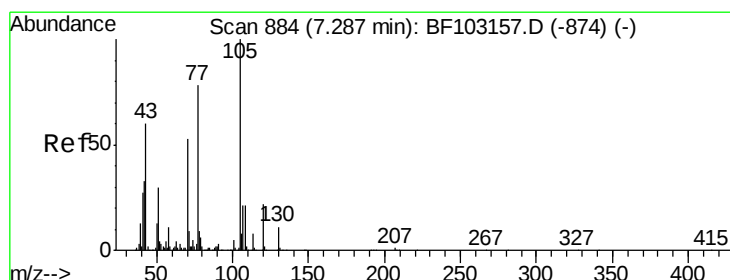
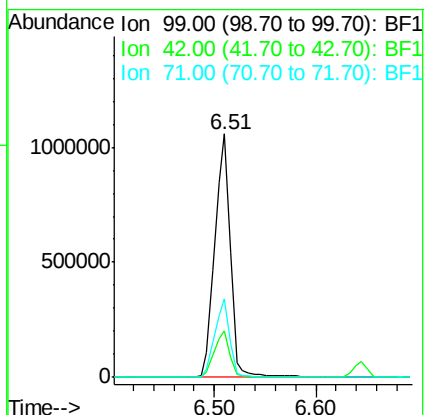
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1135483

Ion	Ratio	Lower	Upper
99	100		
42	19.4	14.5	21.7
71	32.4	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.433 ng

RT: 7.44 min Scan# 910

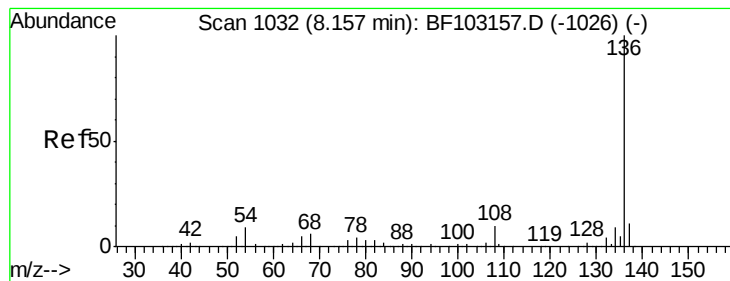
Delta R.T. 0.15 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

Tgt Ion: 70 Resp: 96589

Ion	Ratio	Lower	Upper
70	100		
42	48.8	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 588105

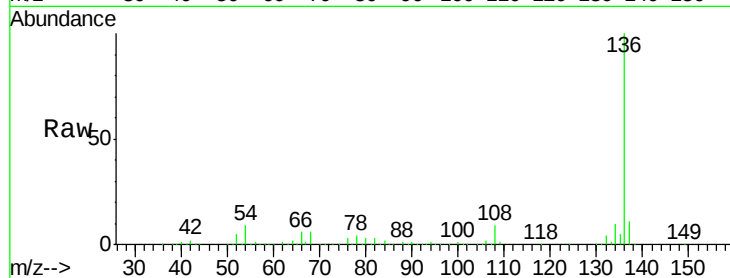
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.3 6.6 9.8

68 6.3 5.0 7.4

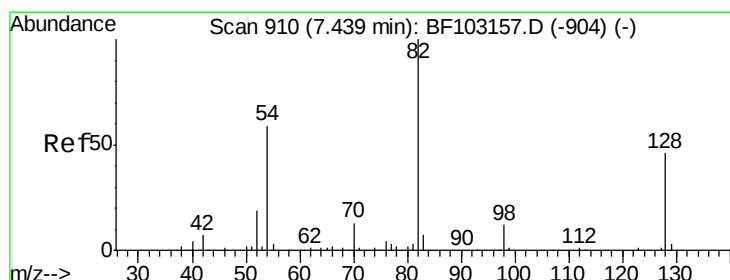
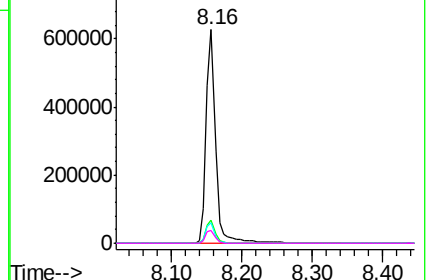
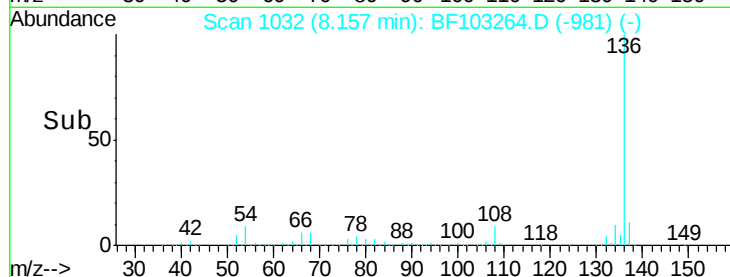


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.109 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

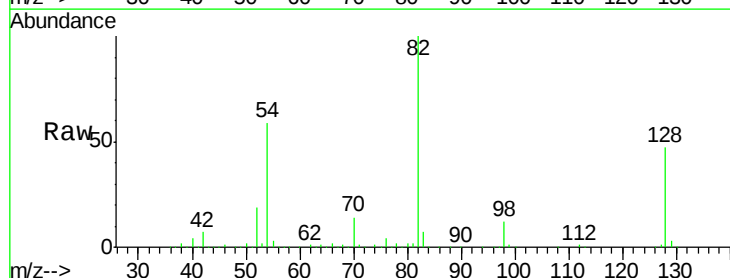
Tgt Ion: 82 Resp: 711687

Ion Ratio Lower Upper

82 100

128 47.2 36.1 54.1

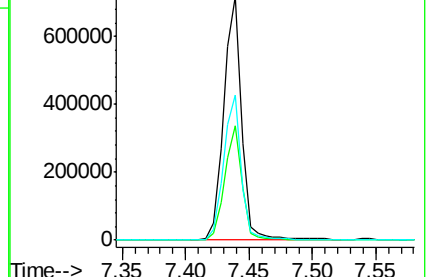
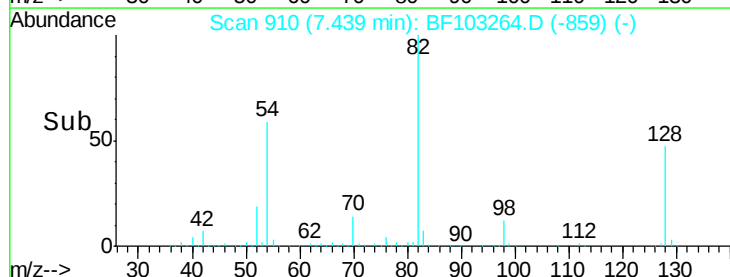
54 59.3 41.4 62.2

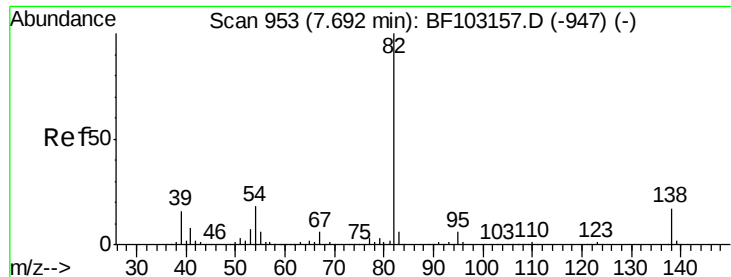


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.089 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

Instrument :

BNA_F

ClientSampleId :

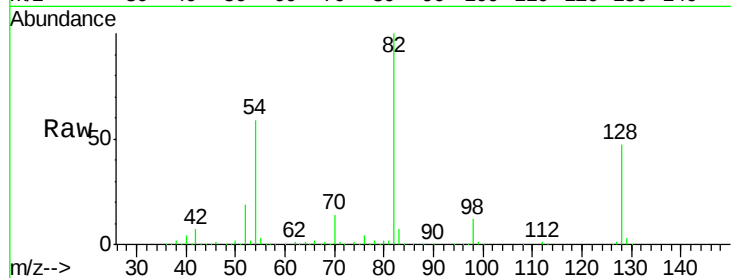
Tot Ion: 82 Resp: 711677

Ion Ratio Lower Upper

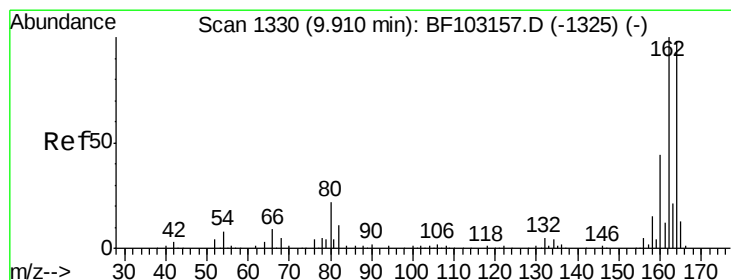
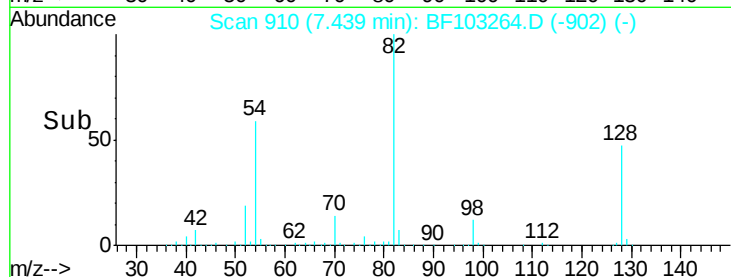
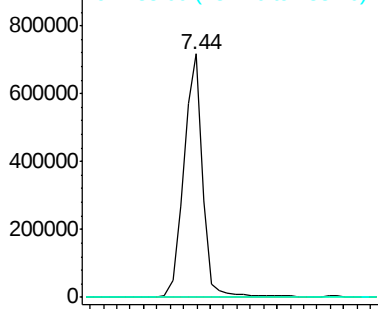
82 100

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: 9.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

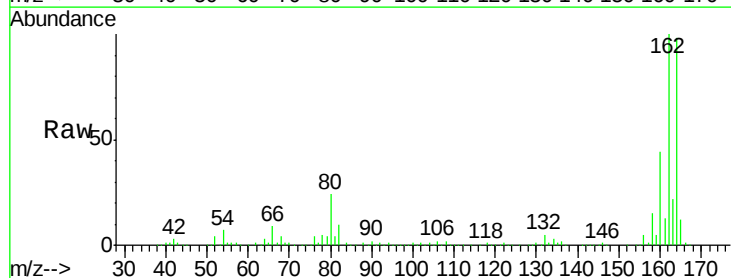
Tgt Ion: 164 Resp: 239463

Ion Ratio Lower Upper

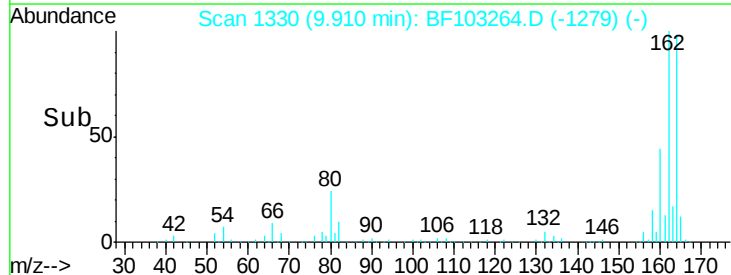
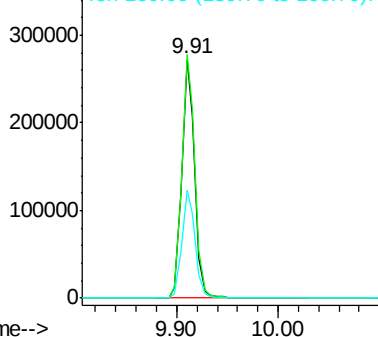
164 100

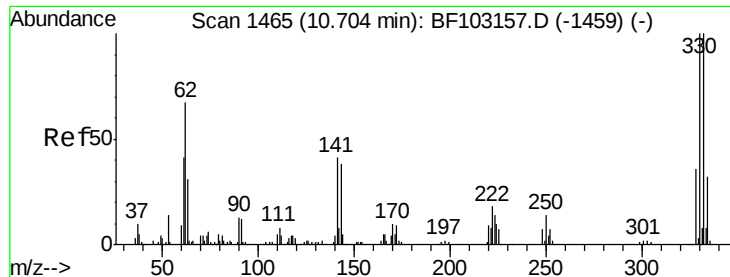
162 101.9 86.1 129.1

160 45.2 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

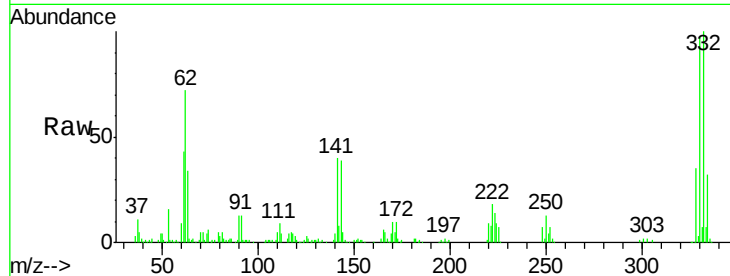




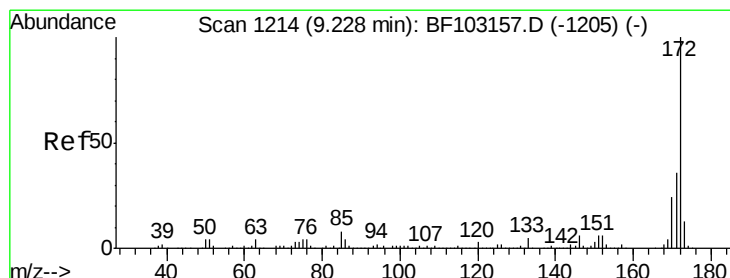
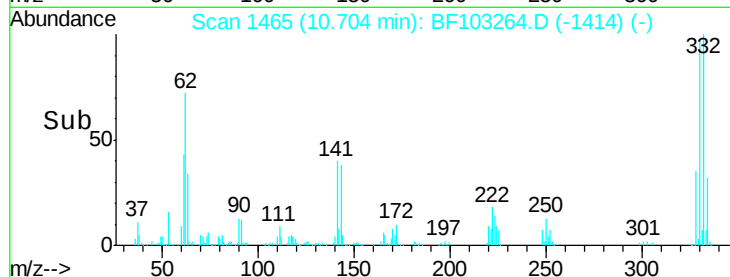
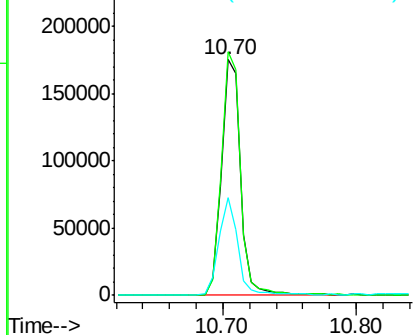
#41
 2,4,6-Tribromophenol
 Concen: 88.929 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103264.D
 Acq: 27 Feb 2018 15:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.8	77.0	115.6
141	39.6	29.9	44.9

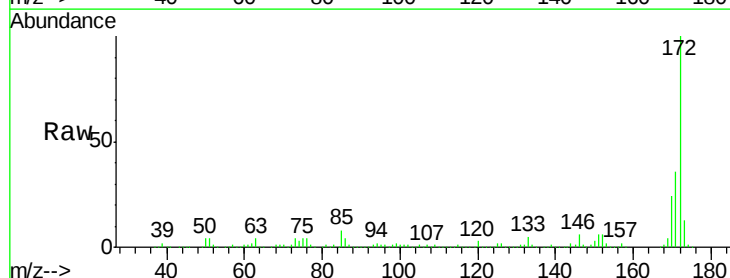


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

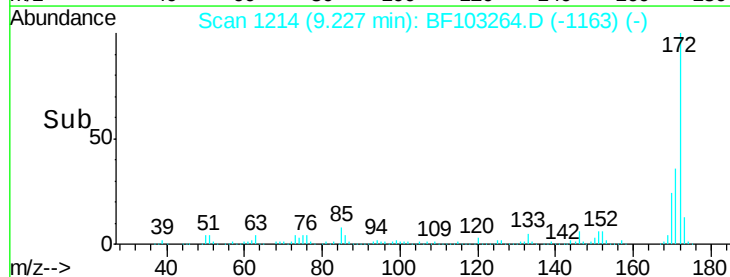
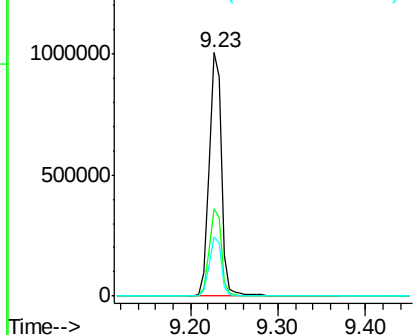


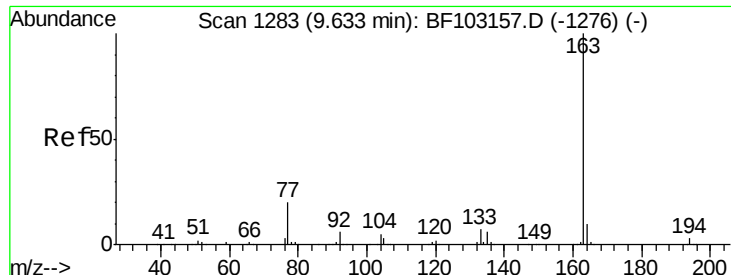
#44
 2-Fluorobiphenyl
 Concen: 68.315 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103264.D
 Acq: 27 Feb 2018 15:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.2	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

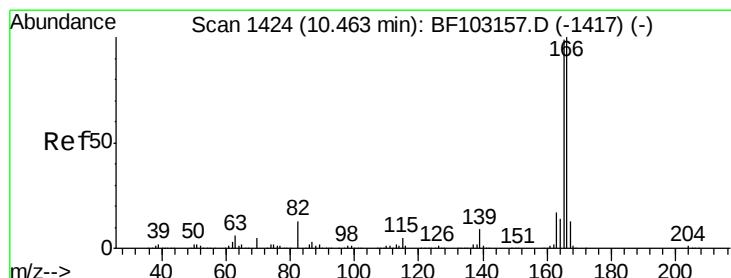
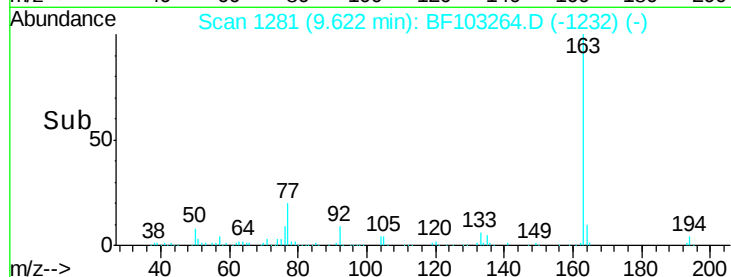
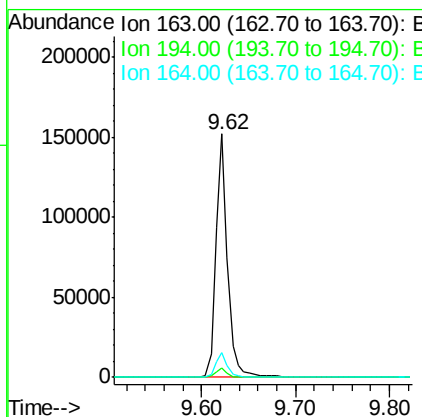
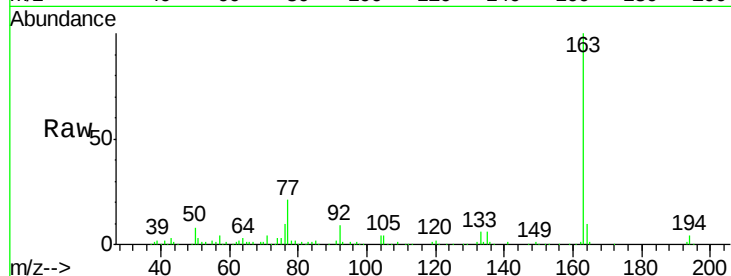




#49
Dimethylphthalate
Concen: 6.956 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103264.D
Acq: 27 Feb 2018 15:48

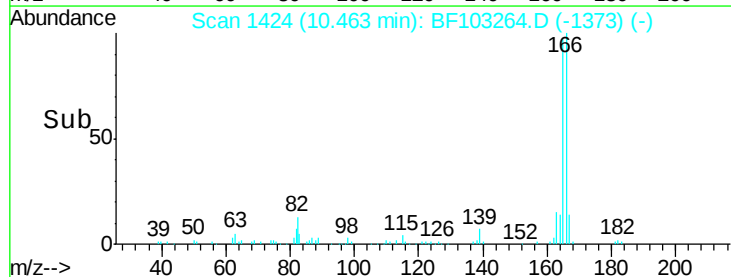
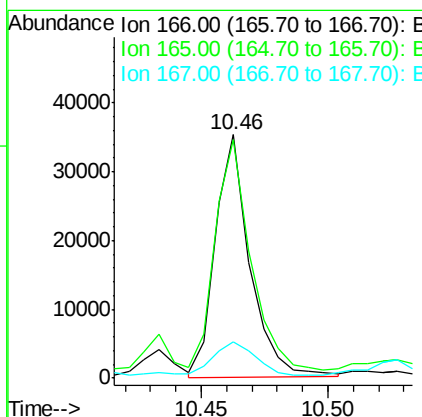
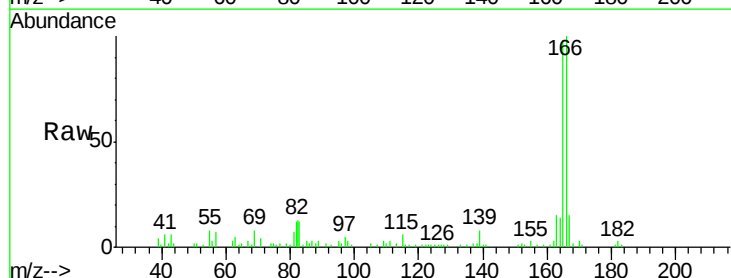
Instrument :
BNA_F
ClientSampleId :

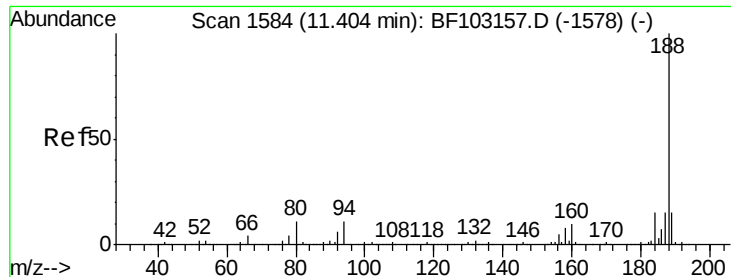
Tot Ion:163 Resp: 133632
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.0 8.2 12.2



#57
Fluorene
Concen: 2.014 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BF103264.D
Acq: 27 Feb 2018 15:48

Tgt Ion:166 Resp: 33535
Ion Ratio Lower Upper
166 100
165 98.1 79.8 119.8
167 15.0 10.6 16.0

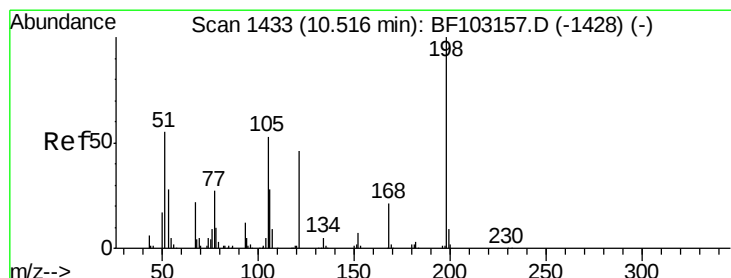
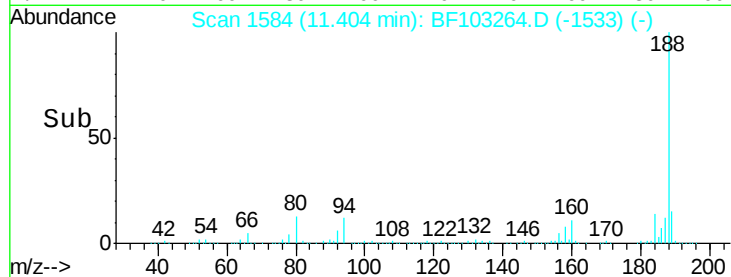
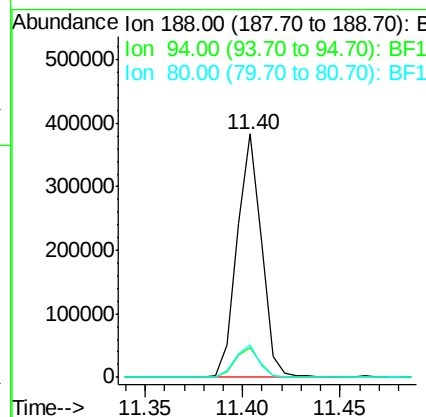
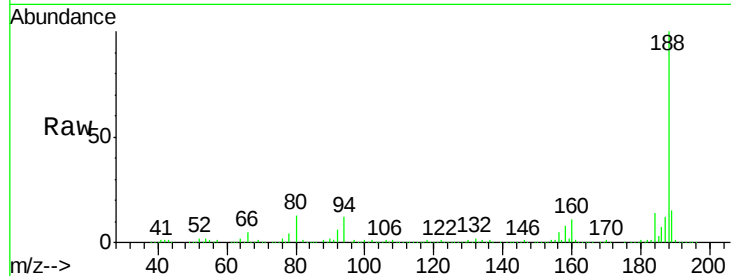




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103264.D
Acq: 27 Feb 2018 15:48

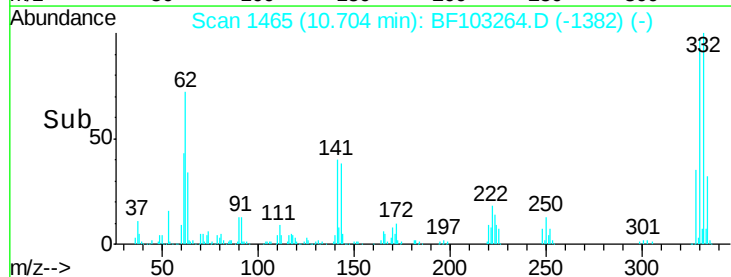
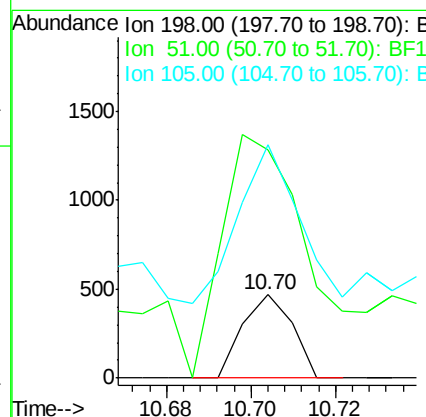
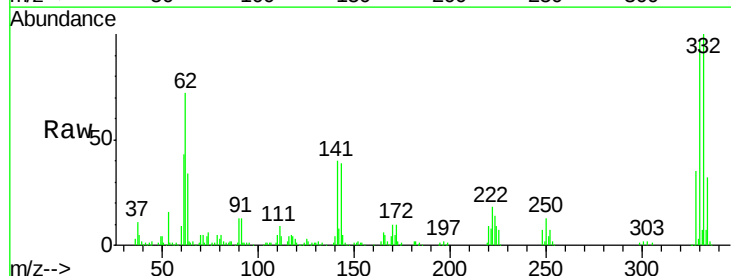
Instrument :
BNA_F
ClientSampleId :

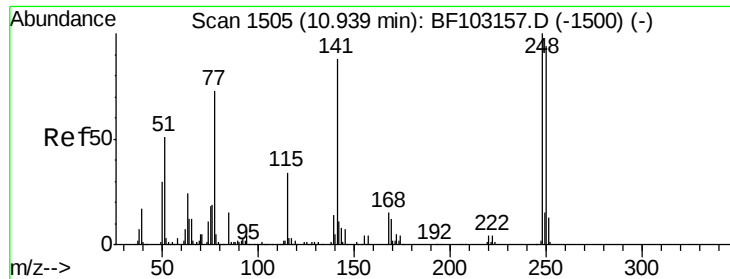
Tot Ion:188 Resp: 334040
Ion Ratio Lower Upper
188 100
94 12.1 8.5 12.7
80 13.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.115 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF103264.D
Acq: 27 Feb 2018 15:48

Tgt Ion:198 Resp: 384
Ion Ratio Lower Upper
198 100
51 274.5 37.7 77.7#
105 281.6 36.3 76.3#

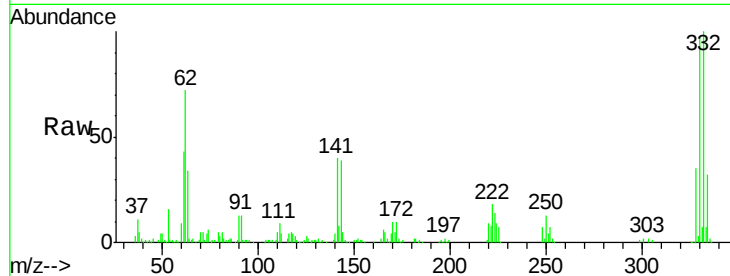




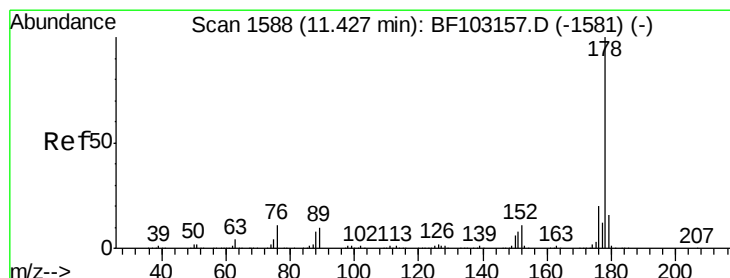
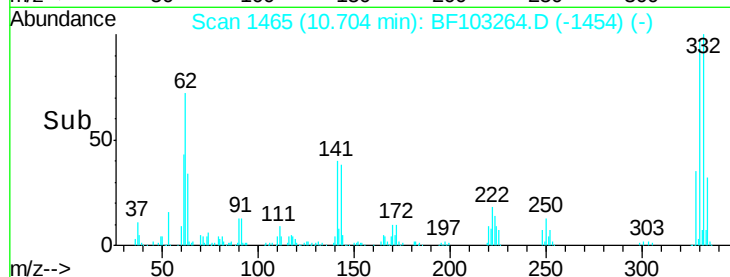
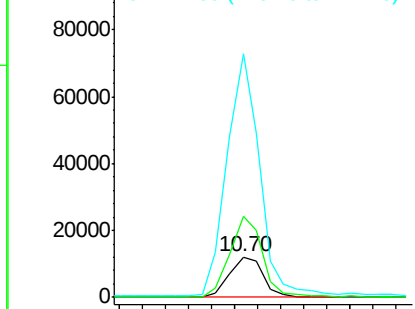
#66
 4-Bromophenyl-phenylether
 Concen: 3.521 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF103264.D
 Acq: 27 Feb 2018 15:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12252
 Ion Ratio Lower Upper
 248 100
 250 201.8 76.9 115.3#
 141 606.9 74.4 111.6#

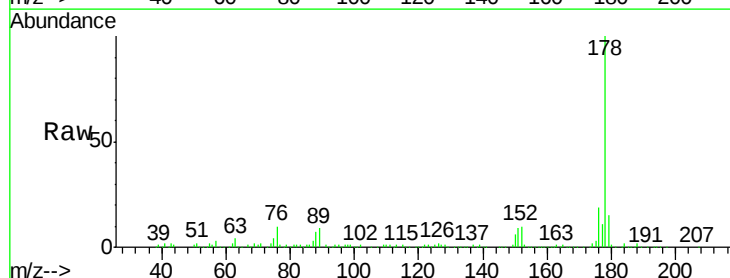


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

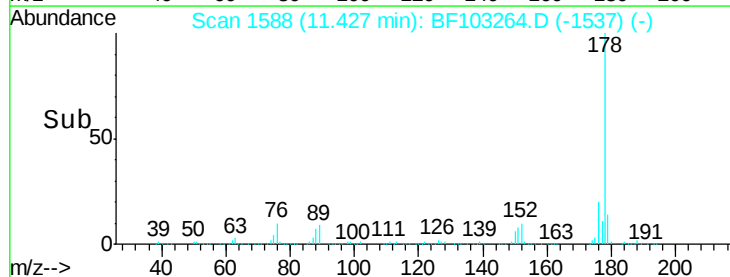
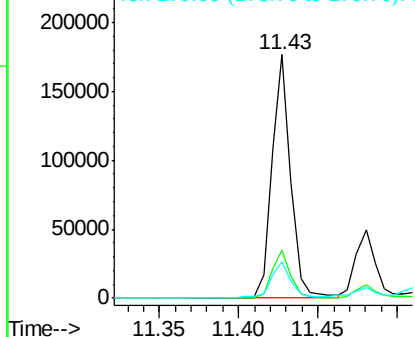


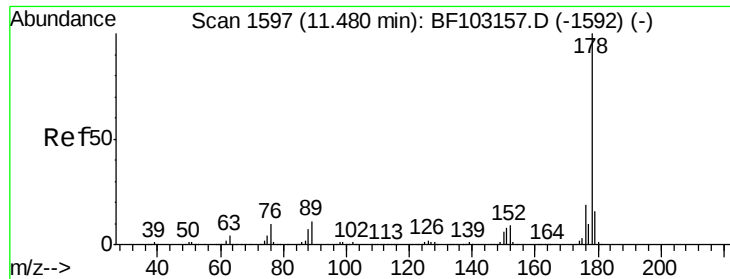
#70
 Phenanthrene
 Concen: 7.954 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: BF103264.D
 Acq: 27 Feb 2018 15:48

Tgt Ion:178 Resp: 146225
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 14.8 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

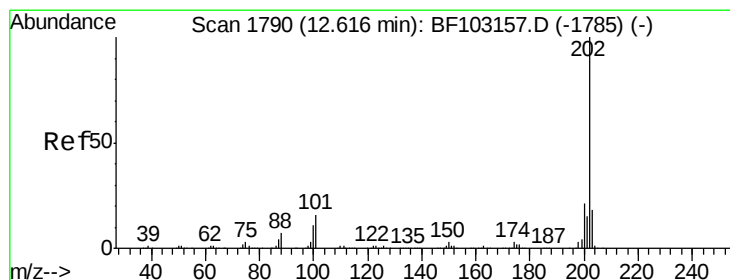
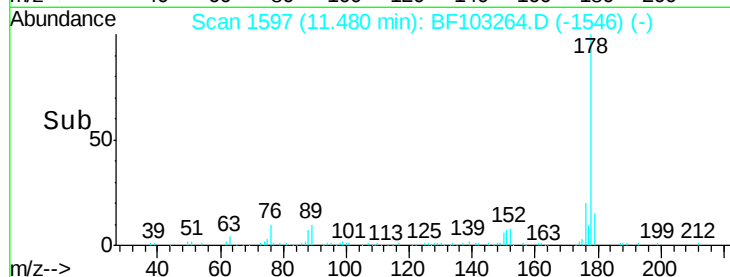
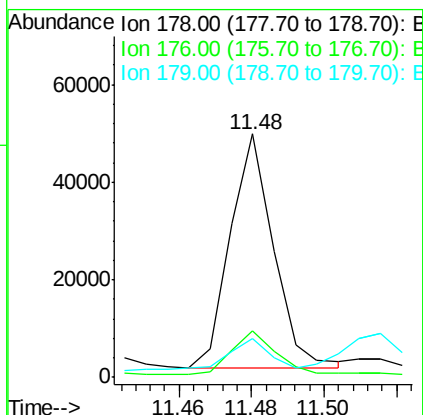
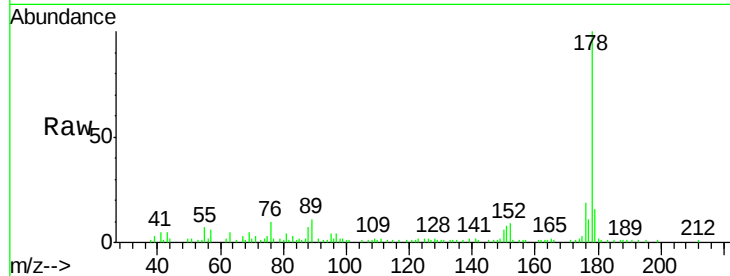




#71
 Anthracene
 Concen: 2.122 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: BF103264.D
 Acq: 27 Feb 2018 15:48

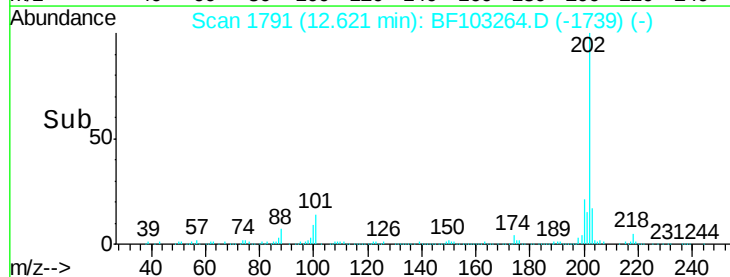
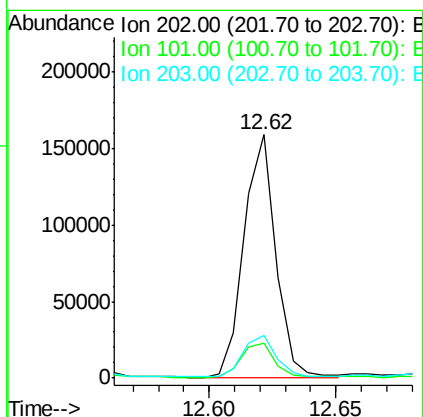
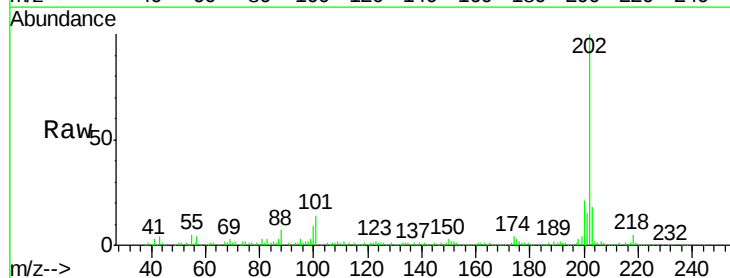
Instrument :
 BNA_F
 ClientSampleId :

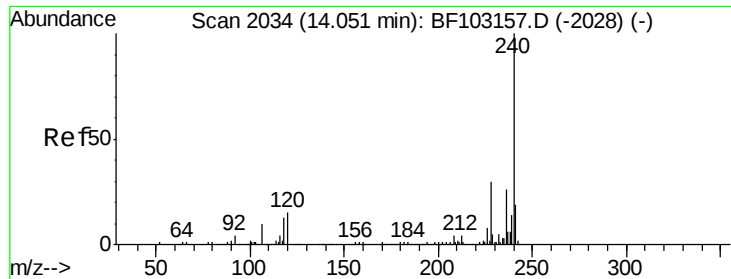
Tot Ion:178 Resp: 40001
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 16.0 12.6 19.0



#74
 Fluoranthene
 Concen: 7.472 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: BF103264.D
 Acq: 27 Feb 2018 15:48

Tgt Ion:202 Resp: 138027
 Ion Ratio Lower Upper
 202 100
 101 14.3 0.0 34.1
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

Instrument :

BNA_F

ClientSampleId :

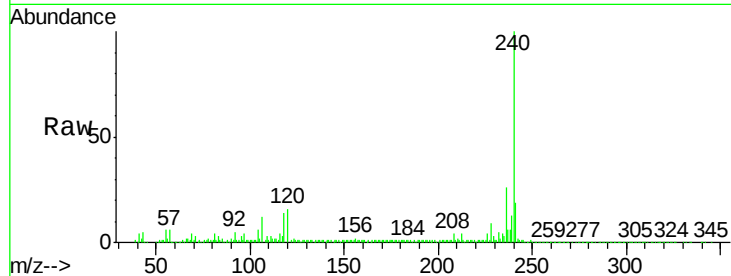
Tot Ion:240 Resp: 250761

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

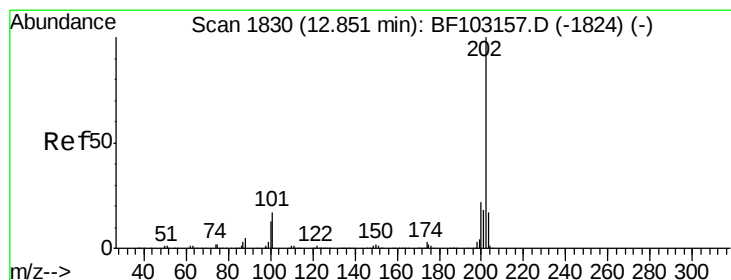
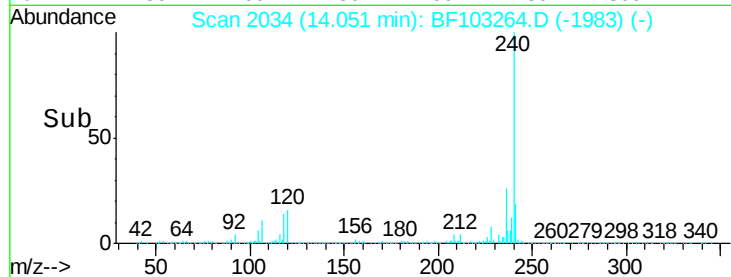
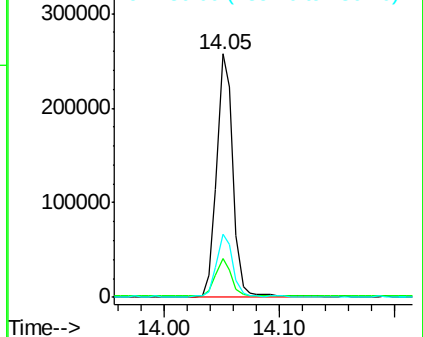
236 25.8 20.7 31.1



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: 9.452 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

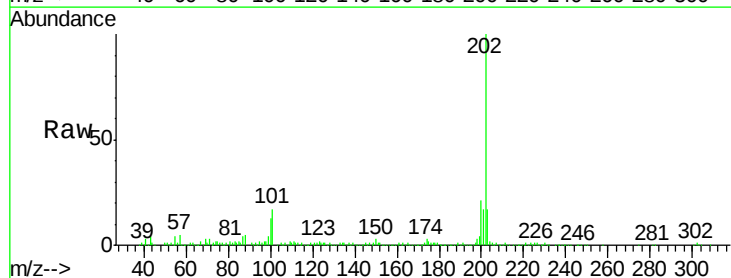
Tgt Ion:202 Resp: 184802

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

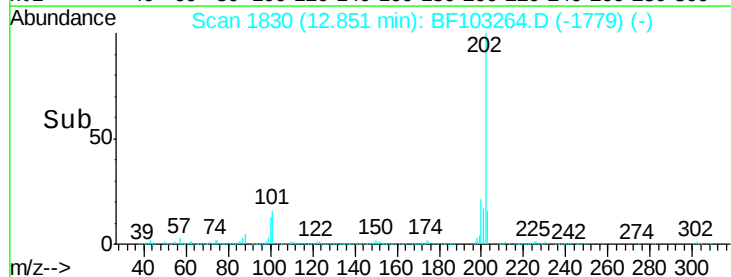
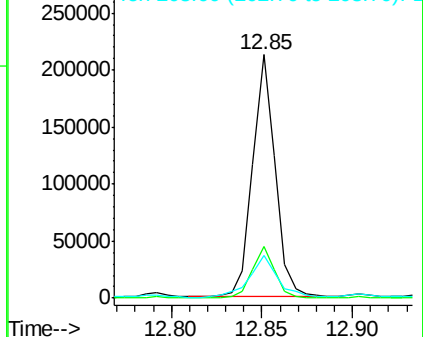
203 17.4 14.3 21.5

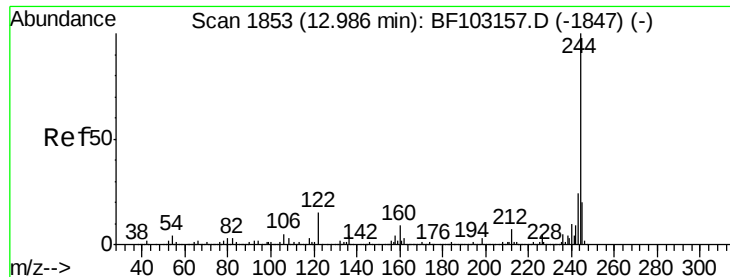


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.111 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

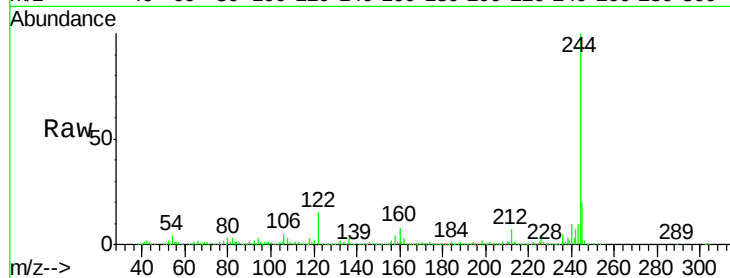
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 637487

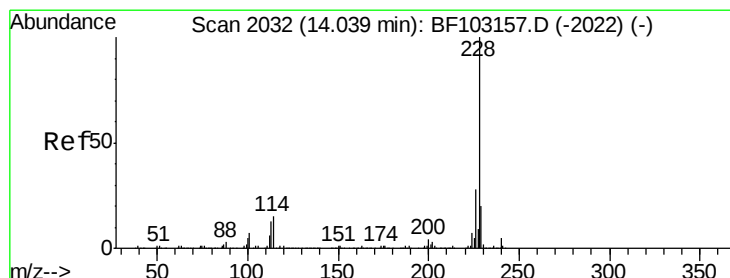
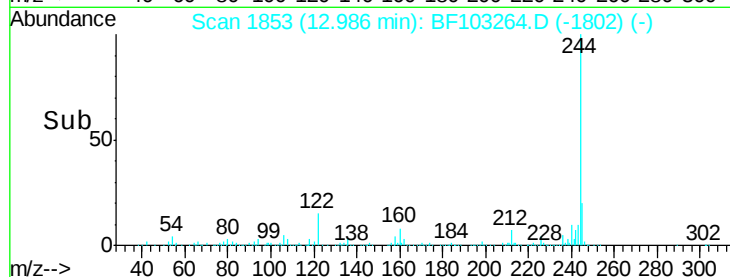
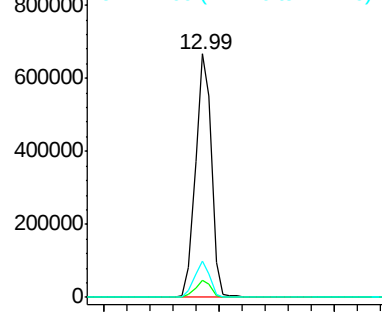
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	15.2	11.0	16.4



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: 3.826 ng

RT: 14.04 min Scan# 2032

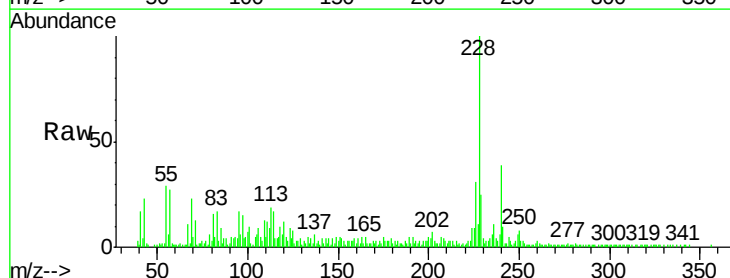
Delta R.T. -0.00 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

Tgt Ion:228 Resp: 62253

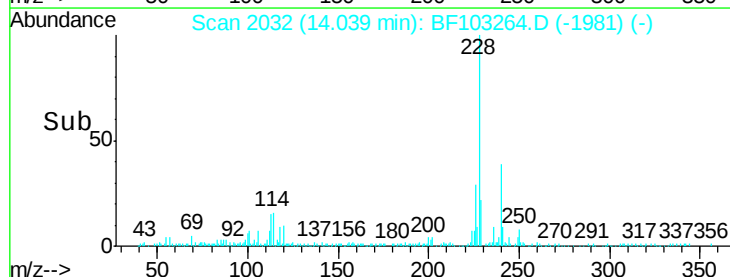
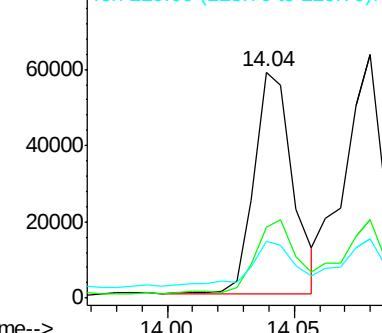
Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.6	33.8
229	24.9	15.8	23.6

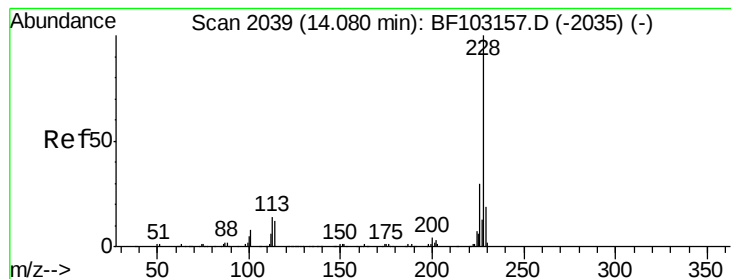


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.305 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

Instrument :

BNA_F

ClientSampleId :

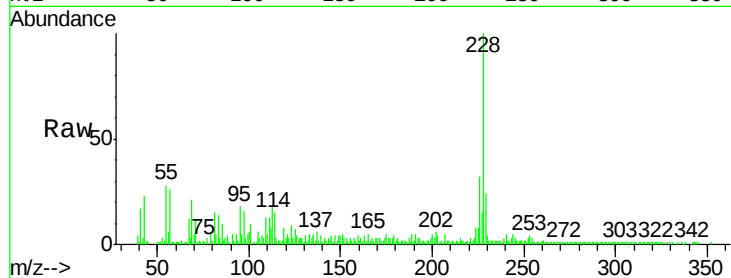
Tot Ion:228 Resp: 68008

Ion Ratio Lower Upper

228 100

226 32.3 25.0 37.6

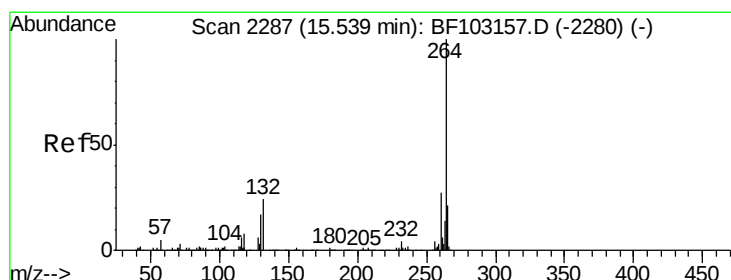
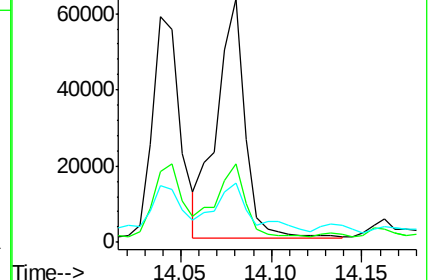
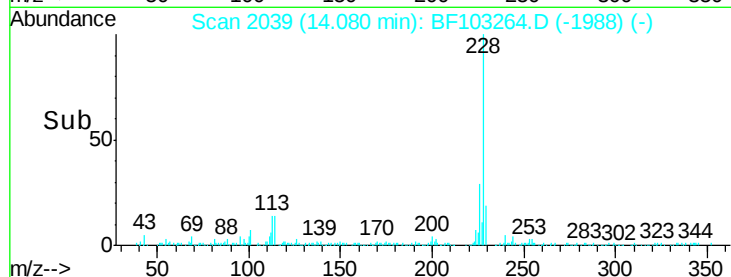
229 24.3 16.2 24.4



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: 15.56 min Scan# 2290

Delta R.T. 0.02 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

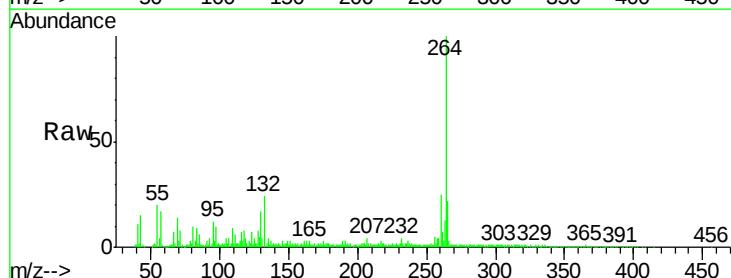
Tgt Ion:264 Resp: 184314

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

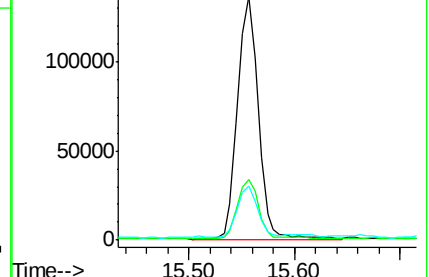
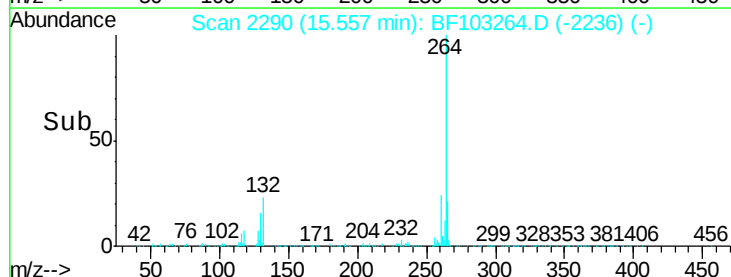
265 22.3 17.5 26.3

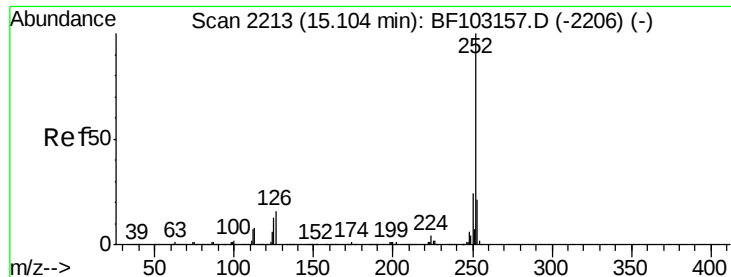


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

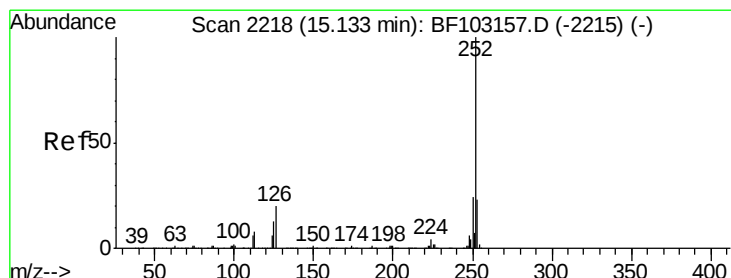
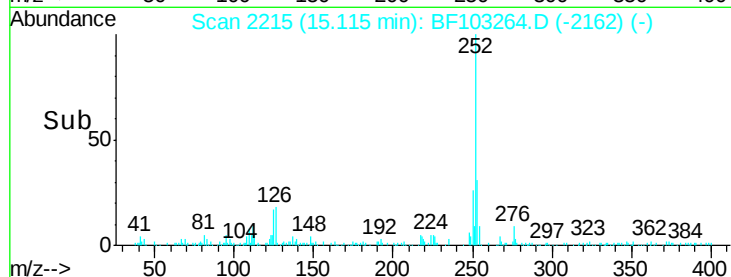
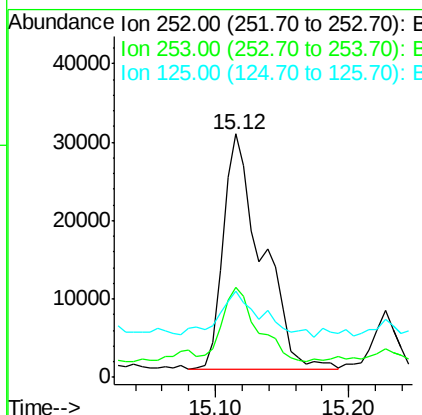
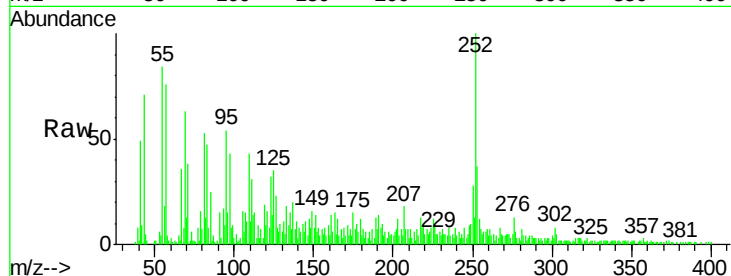




#87
Benzo(b)fluoranthene
Concen: 4.976 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103264.D
Acq: 27 Feb 2018 15:48

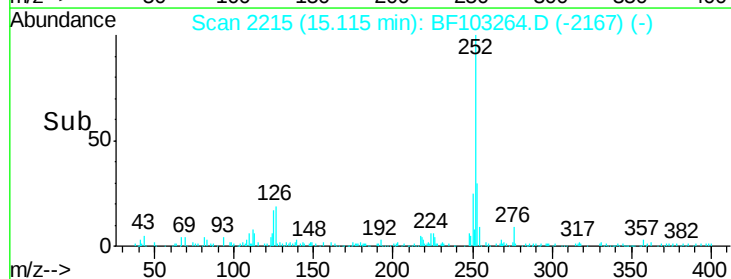
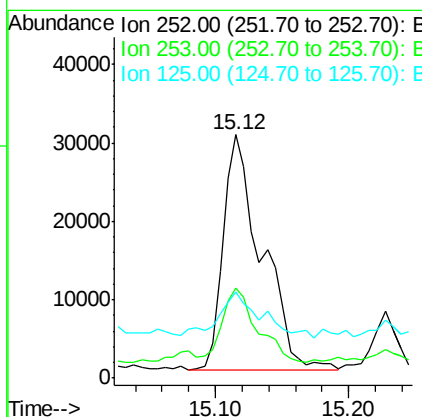
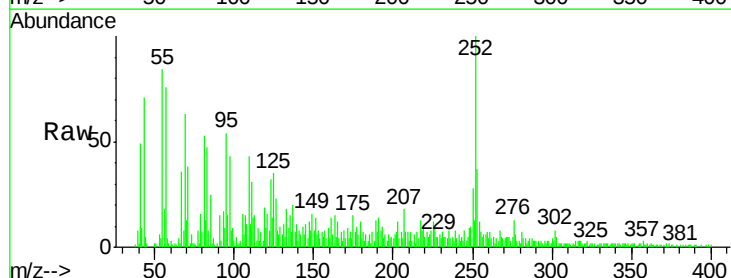
Instrument :
BNA_F
ClientSampleId :

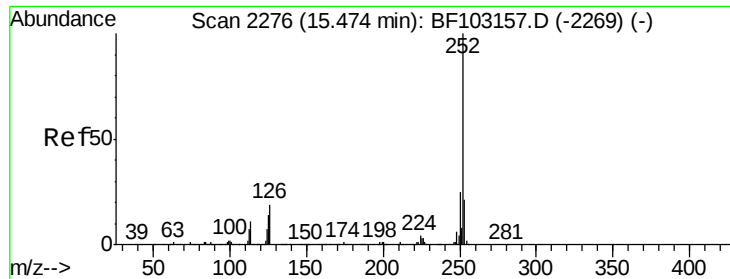
Tot Ion	Ratio	Lower	Upper
252	100		
253	36.8	17.0	25.6#
125	35.3	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 5.284 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF103264.D
Acq: 27 Feb 2018 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.8	17.9	26.9#
125	35.3	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 3.401 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

Instrument :

BNA_F

ClientSampleId :

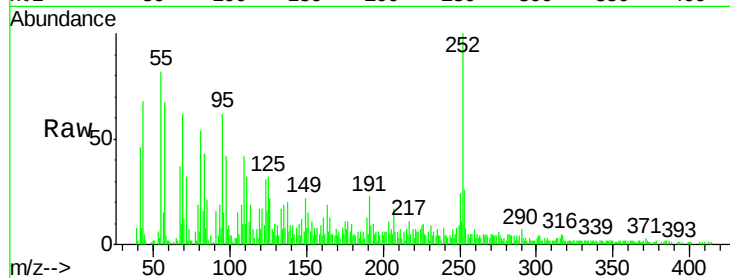
Tot Ion:252 Resp: 36805

Ion Ratio Lower Upper

252 100

253 25.6 17.1 25.7

125 31.7 9.8 14.6#

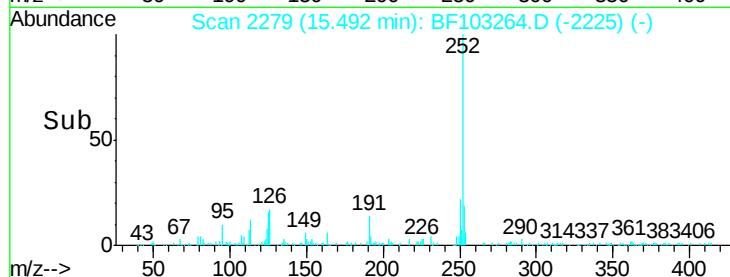


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



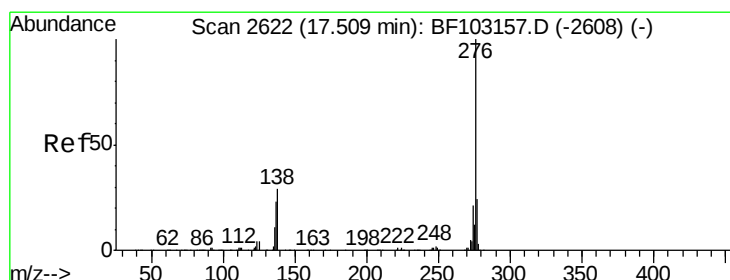
Abundance

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

Time-->



#91

Benzo(g,h,i)perylene

Concen: 2.268 ng

RT: 17.54 min Scan# 2627

Delta R.T. 0.03 min

Lab File: BF103264.D

Acq: 27 Feb 2018 15:48

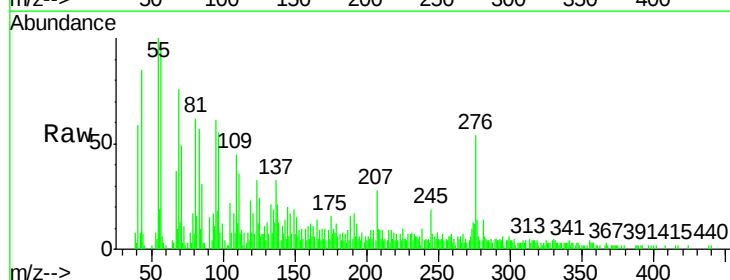
Tgt Ion:276 Resp: 18538

Ion Ratio Lower Upper

276 100

277 26.9 17.9 26.9#

138 39.2 21.8 32.8#

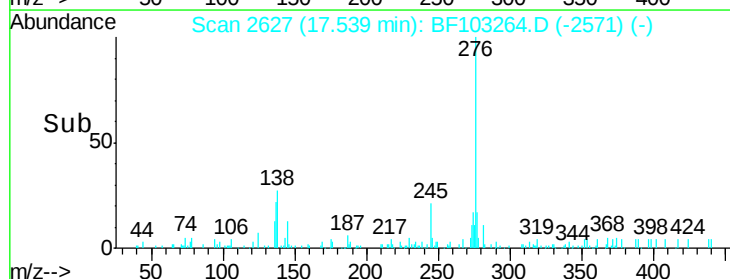


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->



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

Time-->