

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103464.D
 Acq On : 6 Mar 2018 19:16
 Operator : SJ/JU
 Sample : J1722-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 00:13:05 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	150767	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	662412	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	282638	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	438240	20.00	ng	0.00
75) Chrysene-d12	14.06	240	279374	20.00	ng	0.00
86) Perylene-d12	15.58	264	234968	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	868025	87.08	ng	0.00
7) Phenol-d6	6.51	99	1071616	87.85	ng	0.00
23) Nitrobenzene-d5	7.44	82	642429	55.39	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	130150	54.40	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	871053	47.49	ng	0.00
78) Terphenyl-d14	12.99	244	565371	48.65	ng	0.00

Target Compounds

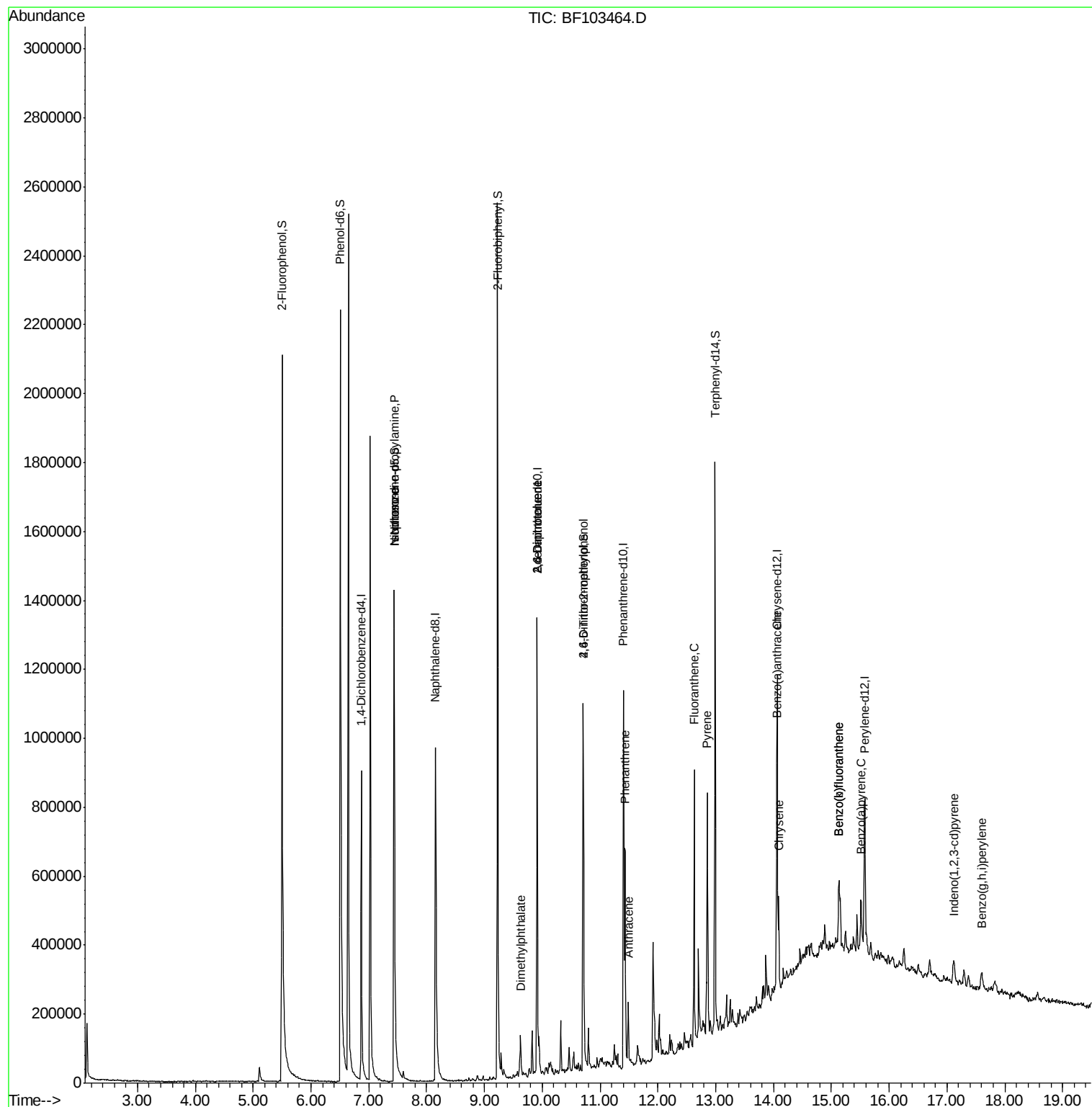
						Qvalue
9) Benzaldehyde	6.51	77	1712	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	87665	11.548	ng	# 83
25) Isophorone	7.44	82	642429	28.122	ng	# 64
49) Dimethylphthalate	9.62	163	53834	2.374	ng	100
50) 2,6-Dinitrotoluene	9.91	165	37550	7.892	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	37663	6.259	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	124	4.987	ng	# 1
70) Phenanthrene	11.43	178	246883	10.237	ng	98
71) Anthracene	11.49	178	80456	3.253	ng	99
74) Fluoranthene	12.63	202	313975	12.955	ng	99
77) Pyrene	12.86	202	283757	13.027	ng	99
80) Benzo(a)anthracene	14.05	228	122247	6.744	ng	98
82) Chrysene	14.09	228	110564	6.282	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	40944	2.938	ng	97
87) Benzo(b)fluoranthene	15.13	252	156574	10.135	ng	# 92
88) Benzo(k)fluoranthene	15.13	252	156574	10.763	ng	# 95
89) Benzo(a)pyrene	15.52	252	83007	6.017	ng	# 92
91) Benzo(g,h,i)perylene	17.60	276	38235	3.670	ng	92

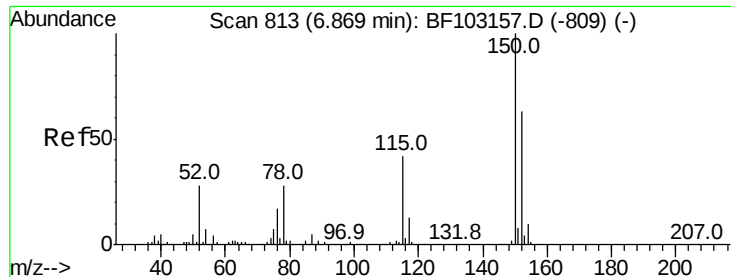
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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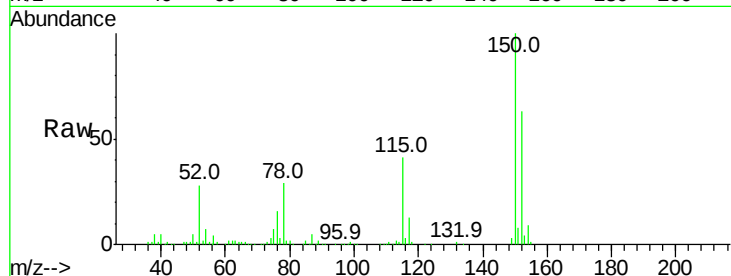


#1

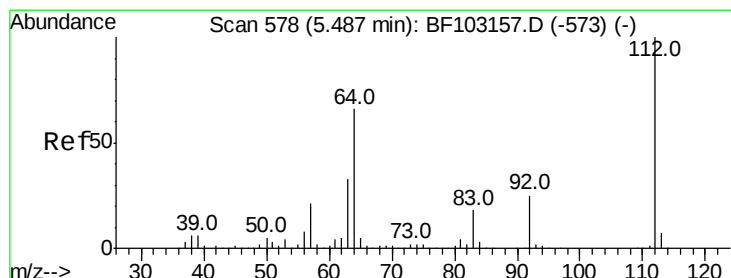
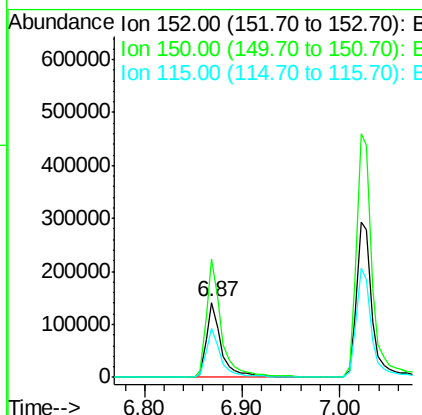
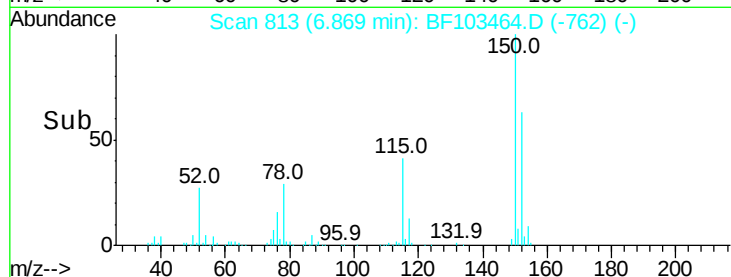
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103464.D
Acq: 6 Mar 2018 19:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 150767
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 64.8 50.1 75.1



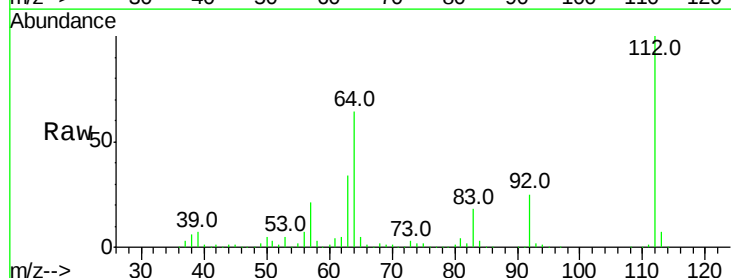
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



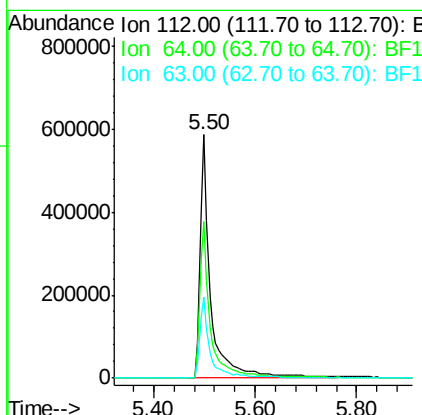
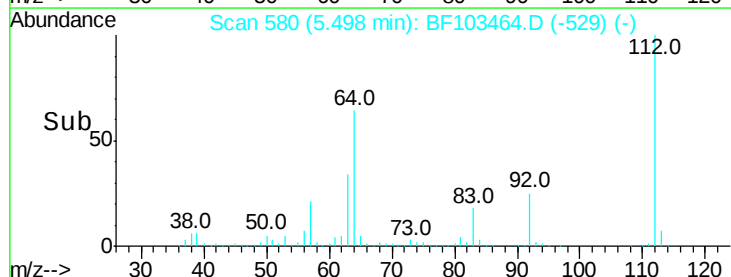
#5

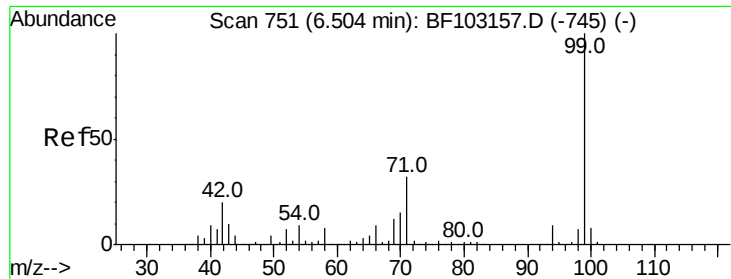
2-Fluorophenol
Concen: 87.076 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103464.D
Acq: 6 Mar 2018 19:16

Tgt Ion:112 Resp: 868025
Ion Ratio Lower Upper
112 100
64 64.3 47.9 71.9
63 33.5 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: 87.852 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_F

ClientSampled :

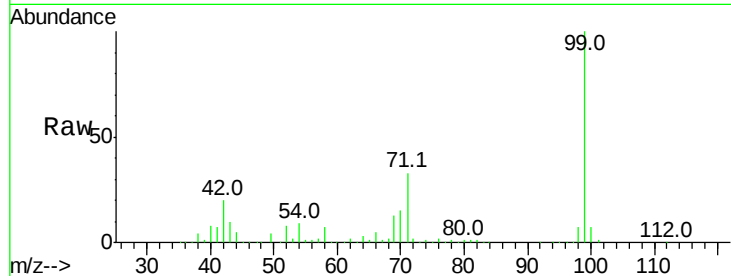
Tot Ion: 99 Resp: 1071616

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

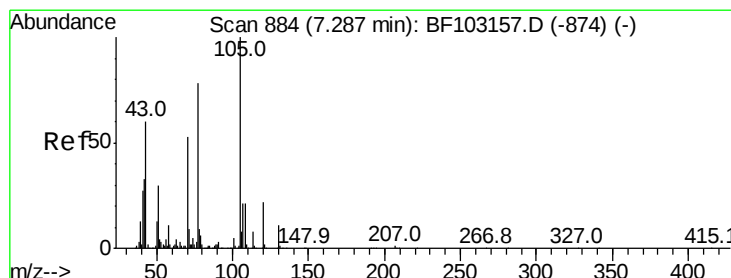
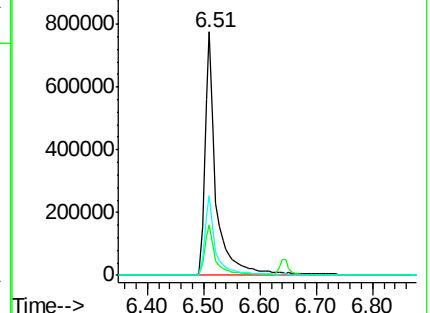
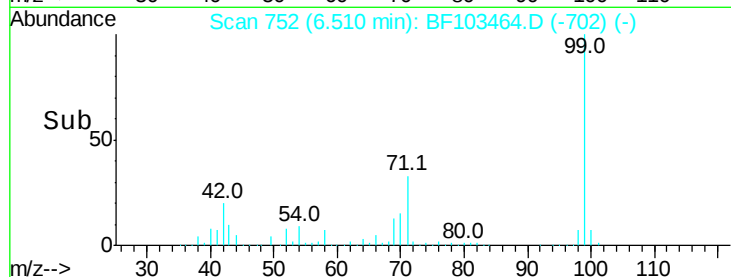
71 32.6 25.4 38.0



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: 11.548 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

Tgt Ion: 70 Resp: 87665

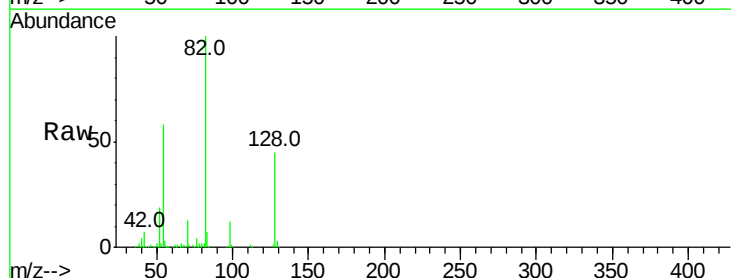
Ion Ratio Lower Upper

70 100

42 53.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

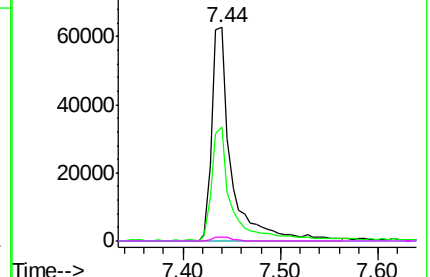
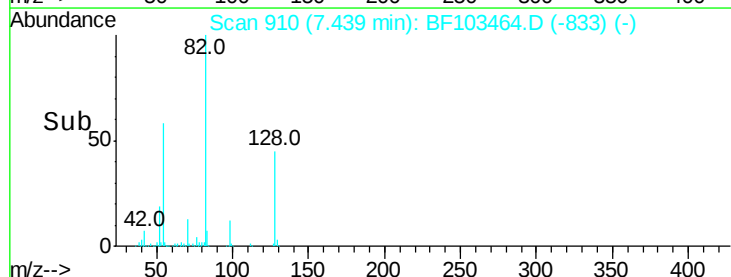


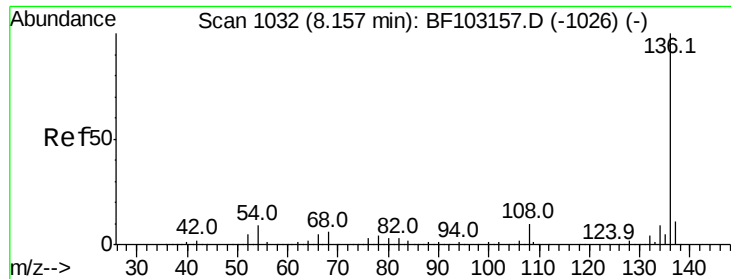
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

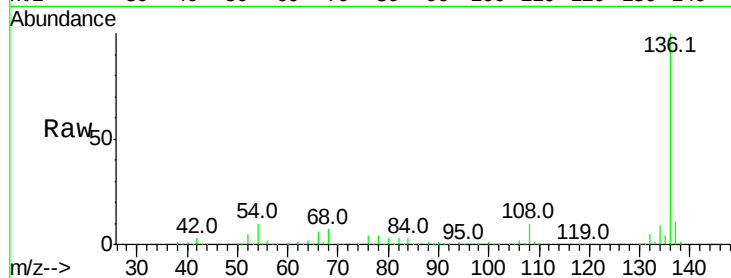




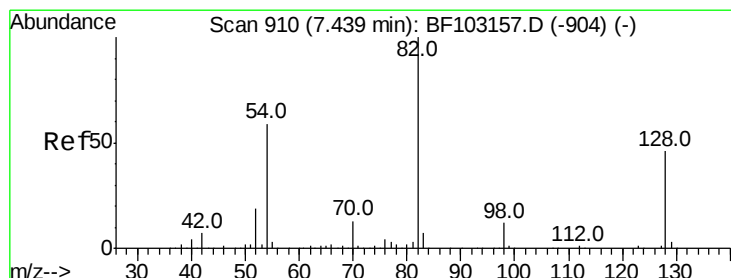
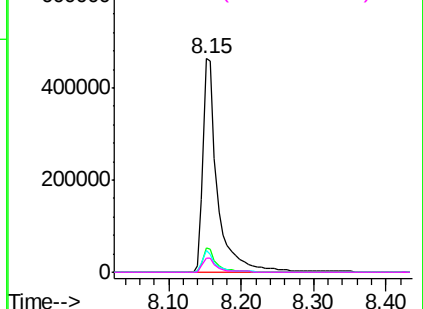
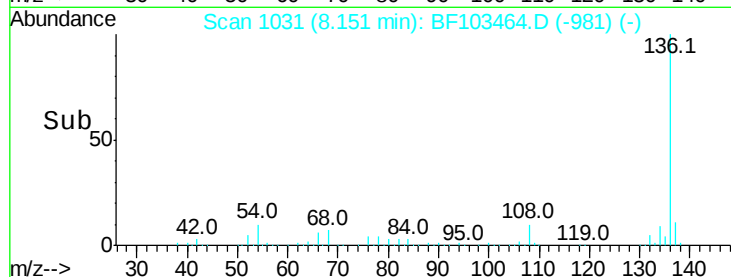
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103464.D
Acq: 6 Mar 2018 19:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	662412
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.9	6.6	9.8#
68	6.6	5.0	7.4

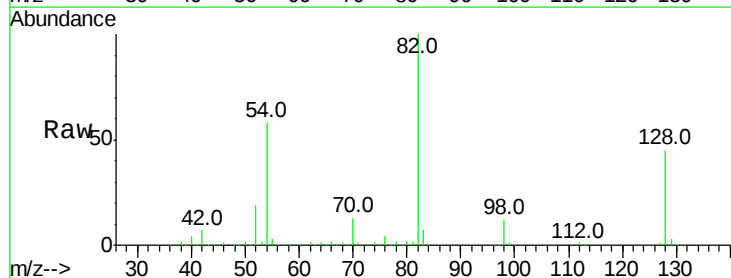


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

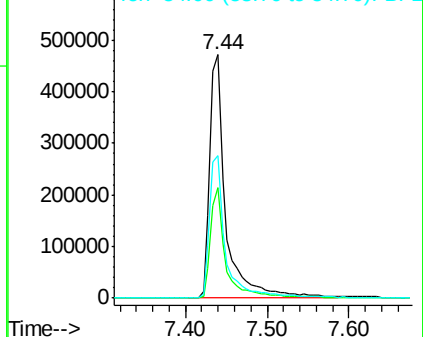
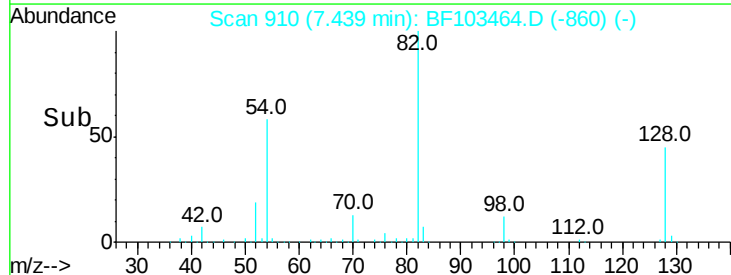


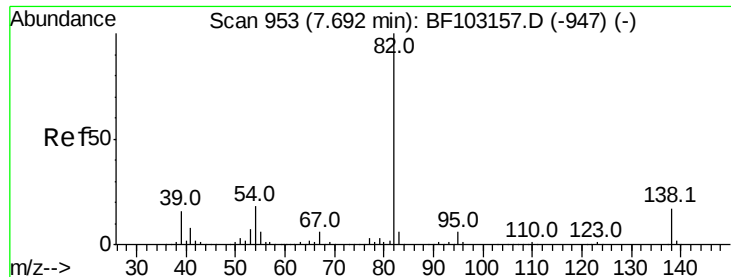
#23
Nitrobenzene-d5
Concen: 55.386 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103464.D
Acq: 6 Mar 2018 19:16

Tgt Ion:	82	Resp:	642429
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	58.4	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: 28.122 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_F

ClientSampled :

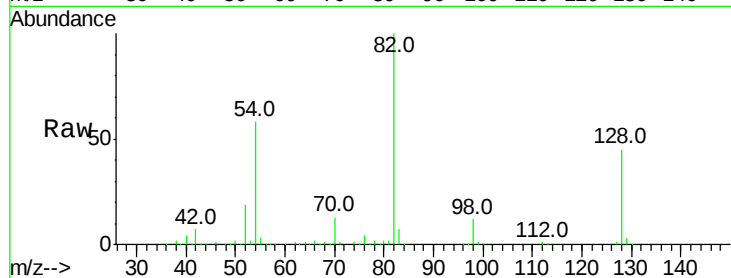
Tot Ion: 82 Resp: 642429

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

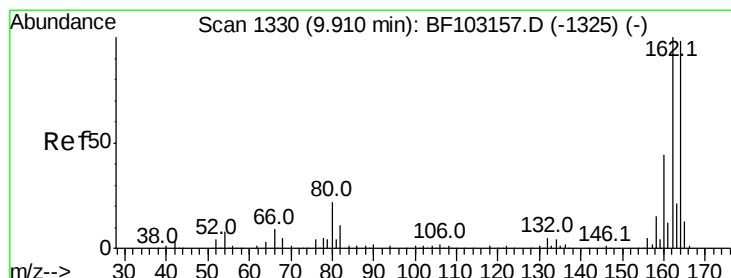
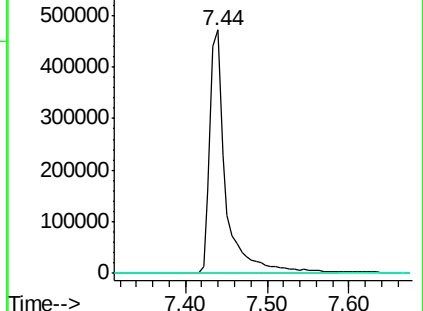
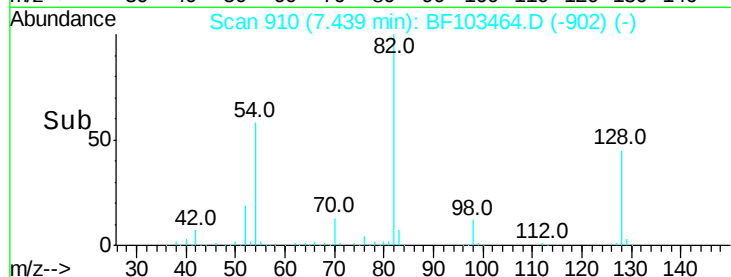
138 0.0 14.9 22.3#



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. -0.01 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

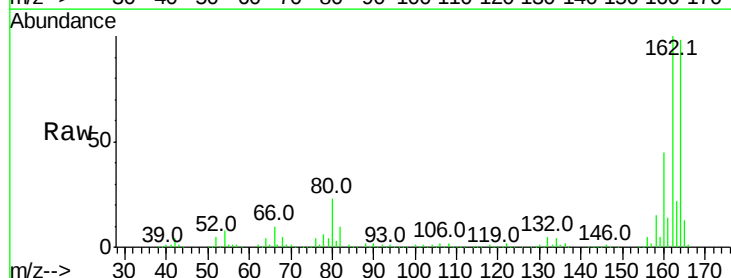
Tgt Ion:164 Resp: 282638

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

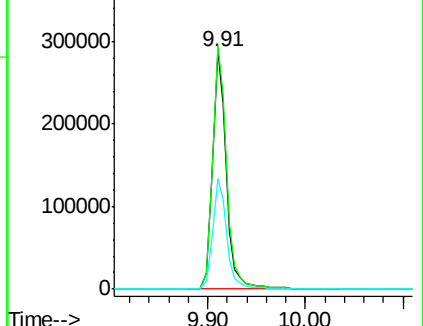
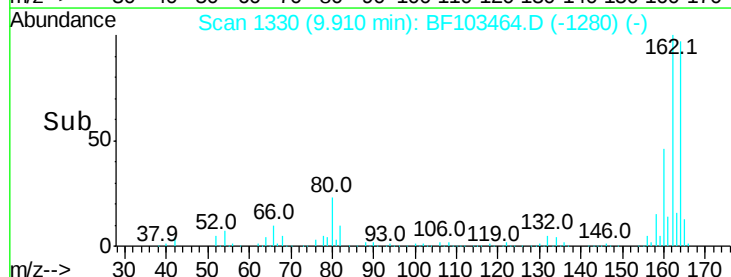
160 46.5 38.3 57.5

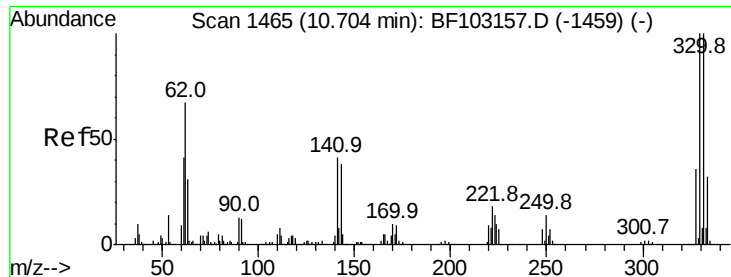


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

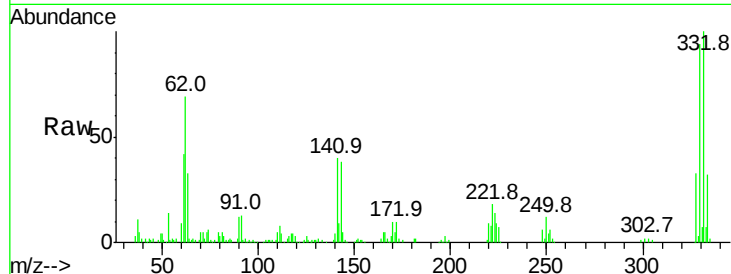




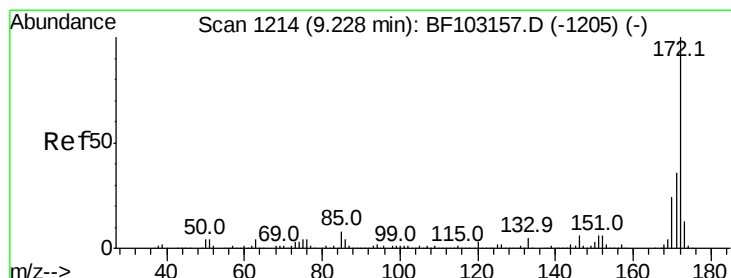
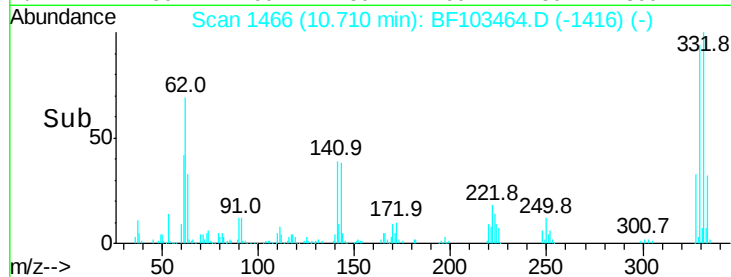
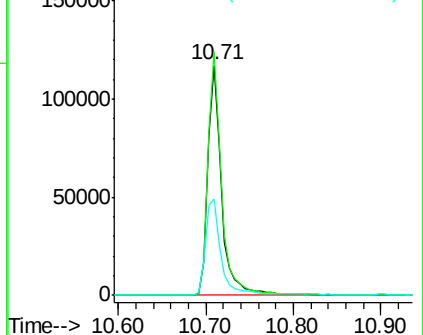
#41
 2,4,6-Tribromophenol
 Concen: 54.402 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103464.D
 Acq: 6 Mar 2018 19:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 130150
 Ion Ratio Lower Upper
 330 100
 332 104.6 77.0 115.6
 141 46.9 29.9 44.9#

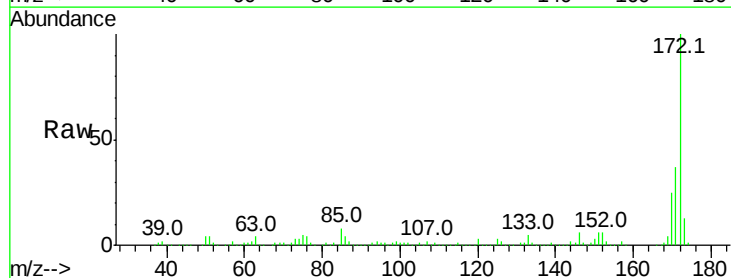


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

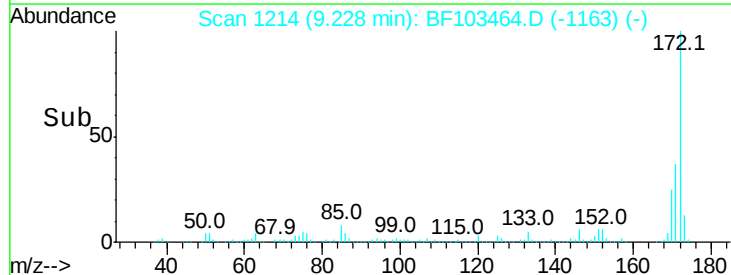
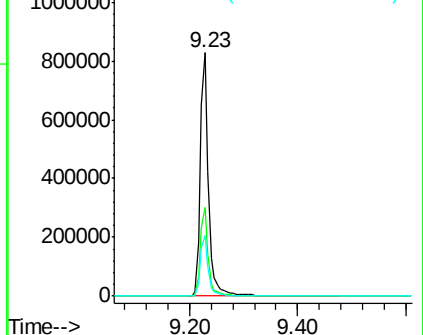


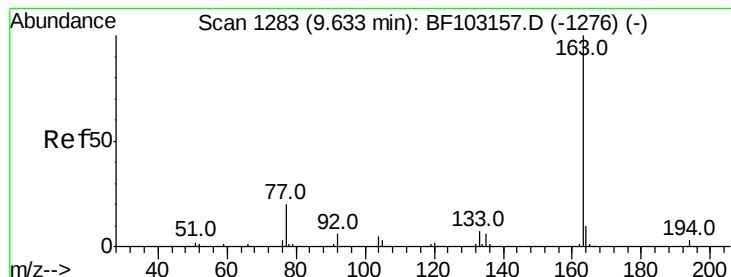
#44
 2-Fluorobiphenyl
 Concen: 47.494 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103464.D
 Acq: 6 Mar 2018 19:16

Tgt Ion:172 Resp: 871053
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.9 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: 2.374 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_F

ClientSampleId :

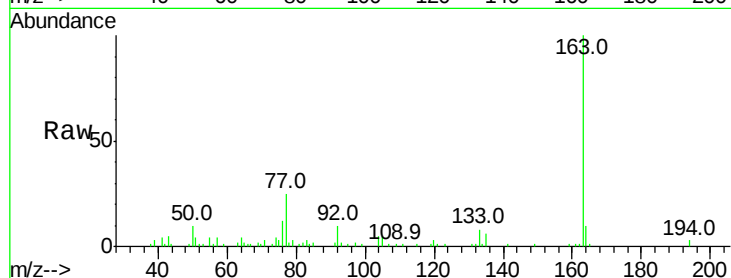
Tot Ion:163 Resp: 53834

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

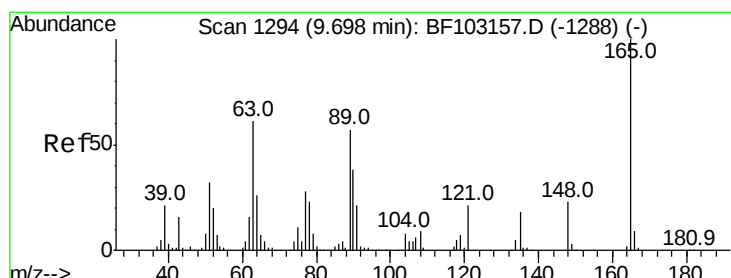
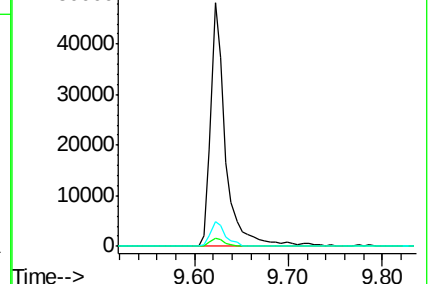
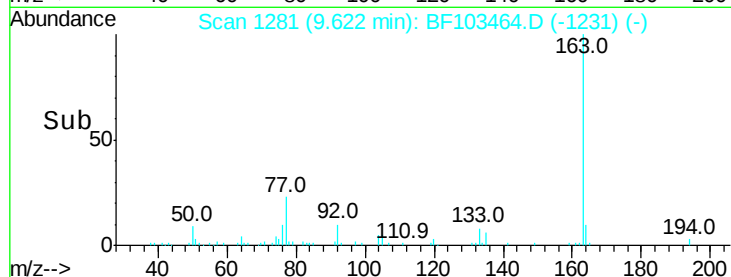
164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.892 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

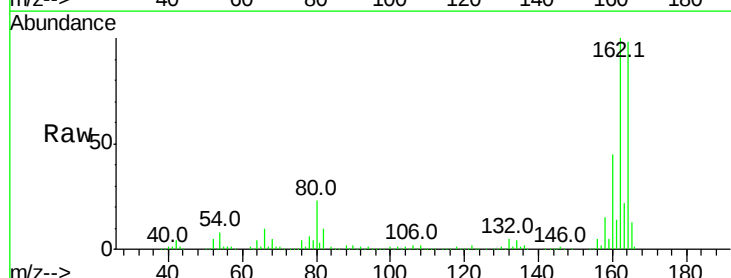
Tgt Ion:165 Resp: 37550

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

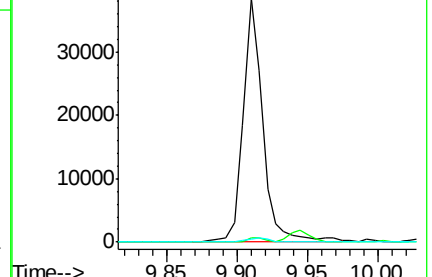
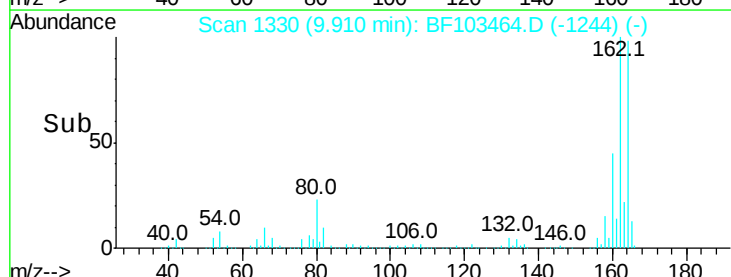
89 1.3 44.0 66.0#

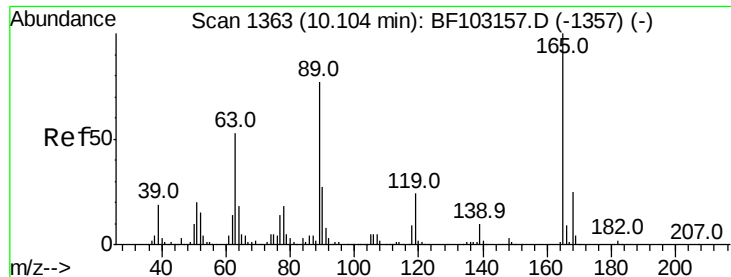


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#56

2,4-Dinitrotoluene

Concen: 6.259 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.21 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 37663

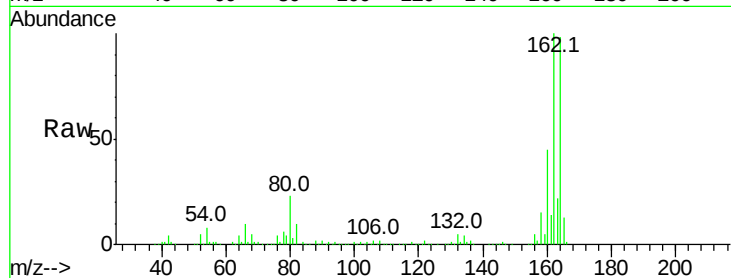
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

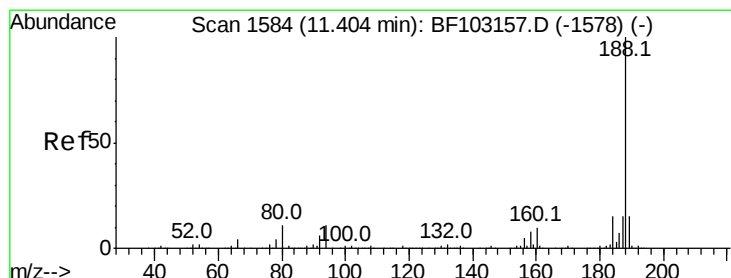
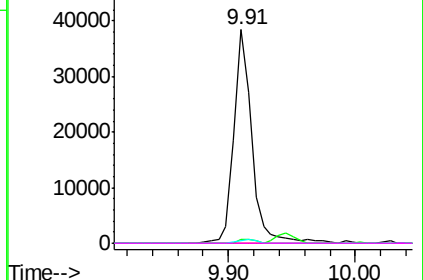
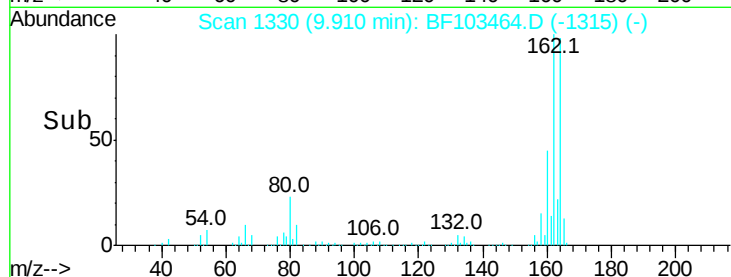


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

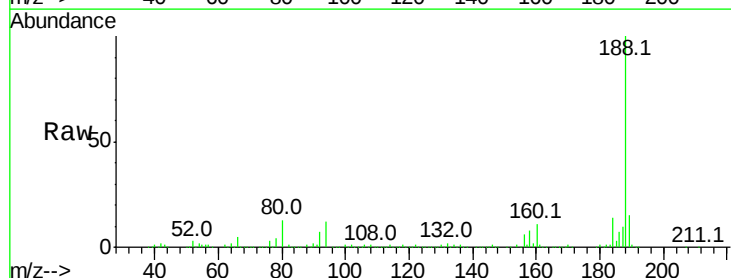
Tgt Ion:188 Resp: 438240

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

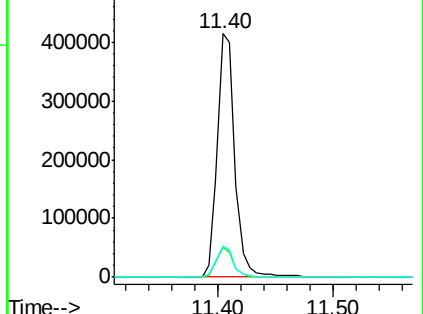
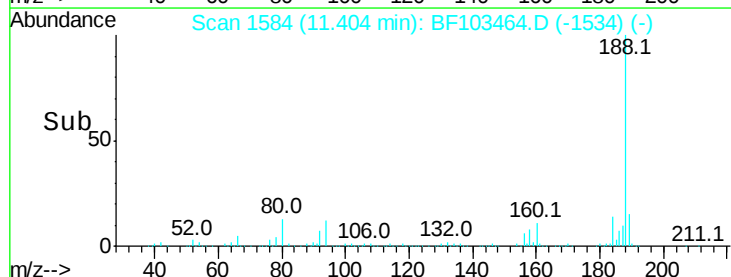
80 12.9 9.2 13.8

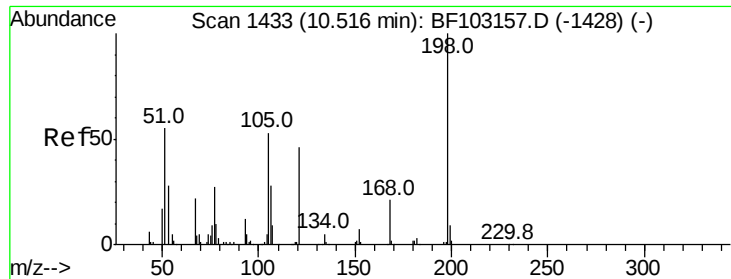


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.987 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_F

ClientSampled :

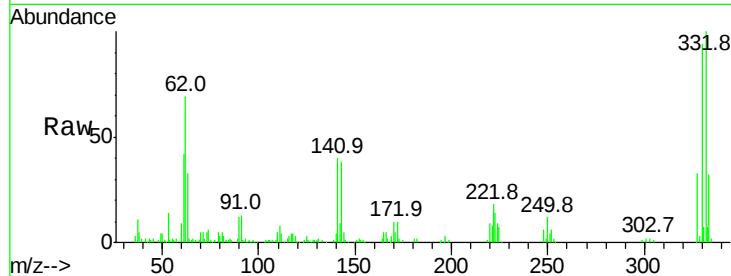
Tot Ion:198 Resp: 124

Ion Ratio Lower Upper

198 100

51 218.8 37.7 77.7#

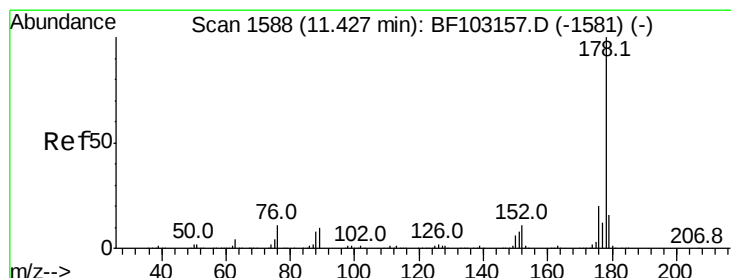
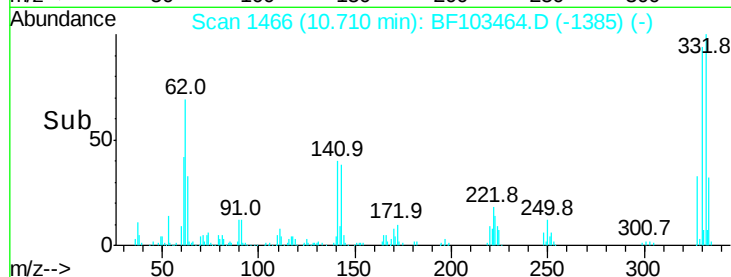
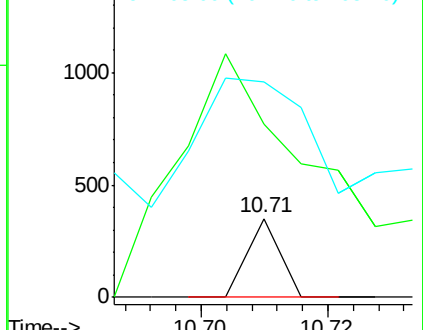
105 272.2 36.3 76.3#



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



#70

Phenanthrene

Concen: 10.237 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

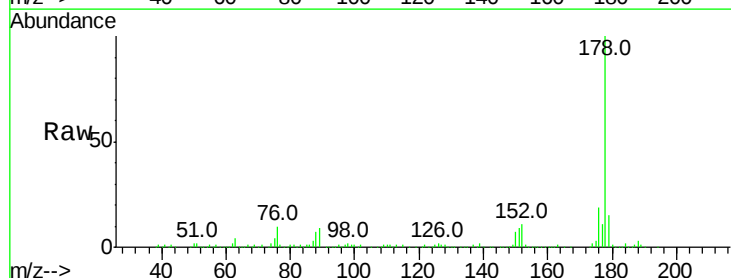
Tgt Ion:178 Resp: 246883

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

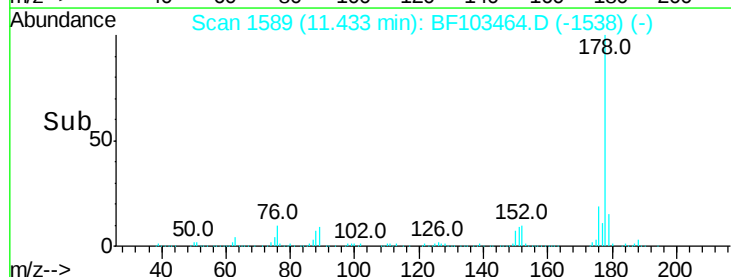
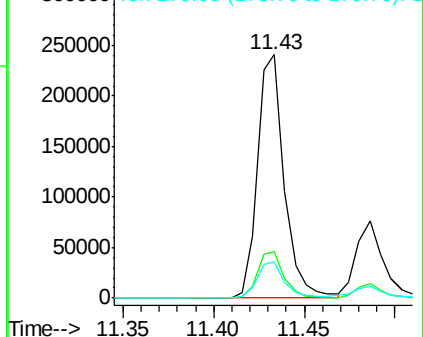
179 15.1 13.0 19.6

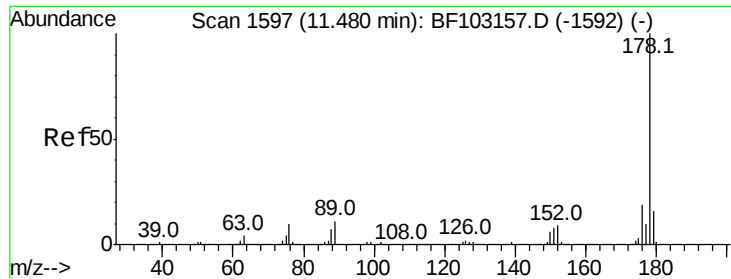


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

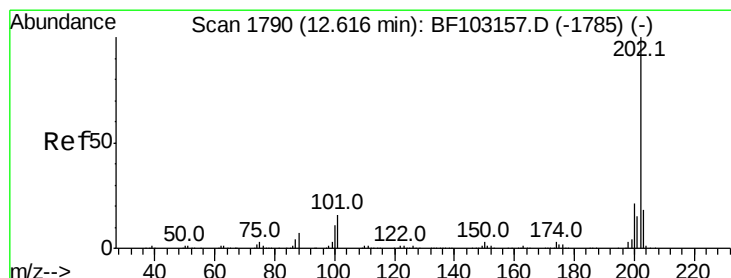
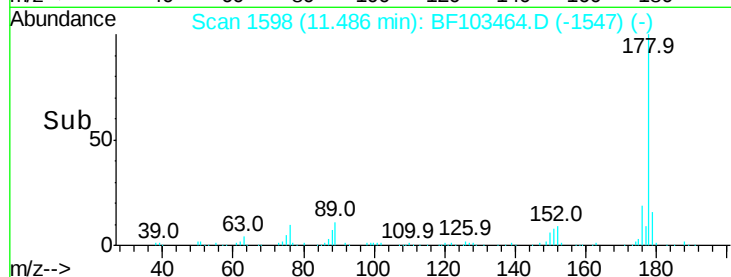
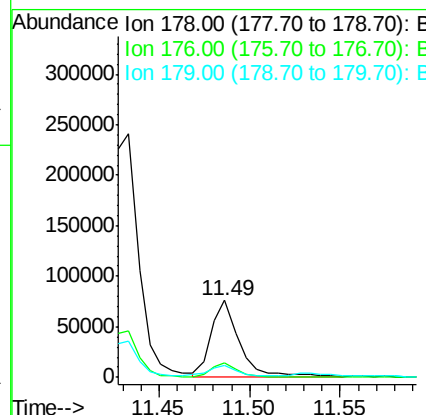
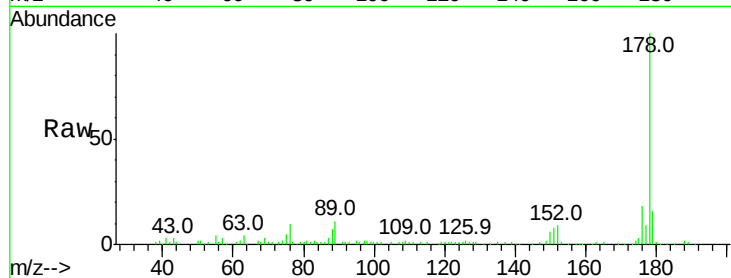




#71
 Anthracene
 Concen: 3.253 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103464.D
 Acq: 6 Mar 2018 19:16

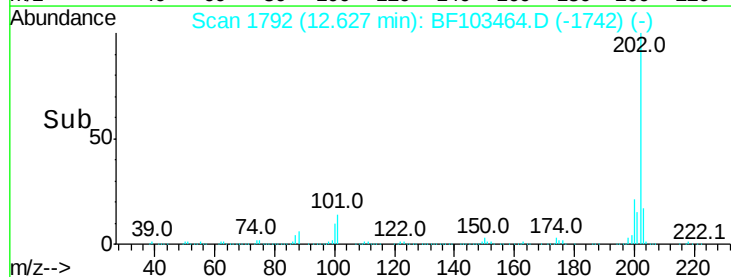
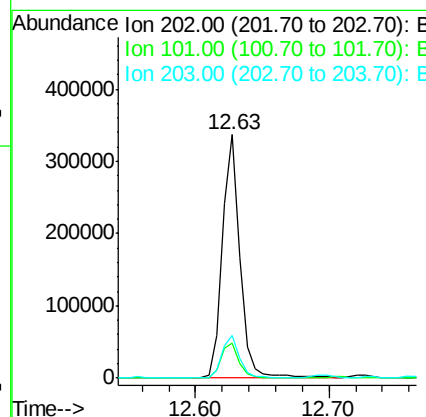
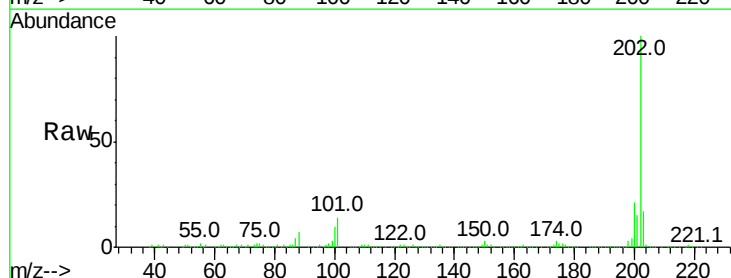
Instrument :
 BNA_F
 ClientSampleId :

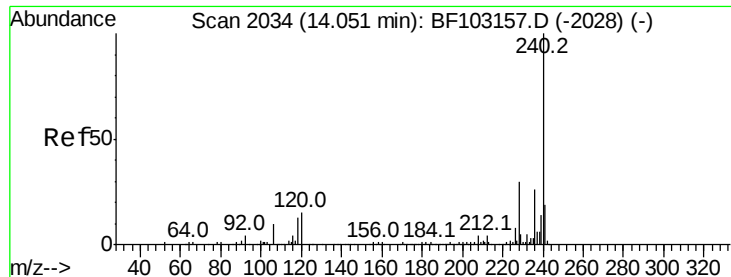
Tot Ion:178 Resp: 80456
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 16.0 12.6 19.0



#74
 Fluoranthene
 Concen: 12.955 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103464.D
 Acq: 6 Mar 2018 19:16

Tgt Ion:202 Resp: 313975
 Ion Ratio Lower Upper
 202 100
 101 14.1 0.0 34.1
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_F

ClientSampleId :

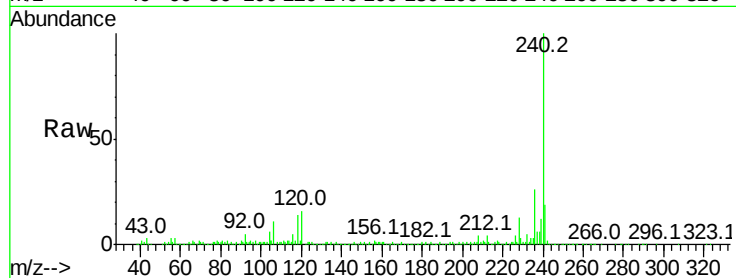
Tot Ion:240 Resp: 279374

Ion Ratio Lower Upper

240 100

120 15.7 9.5 14.3#

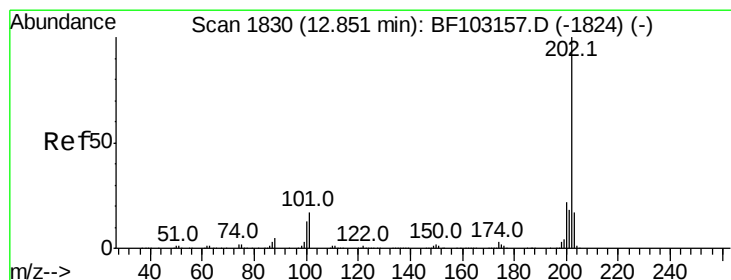
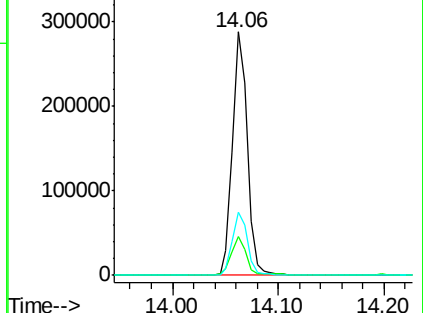
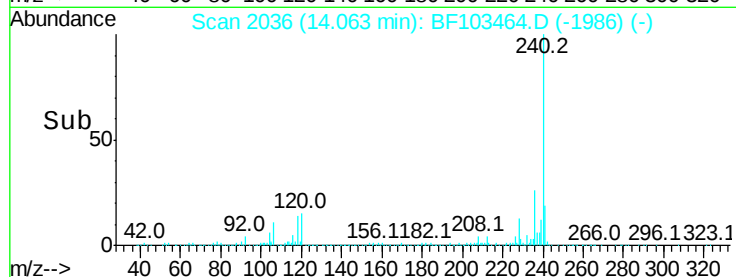
236 26.1 20.7 31.1



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: 13.027 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

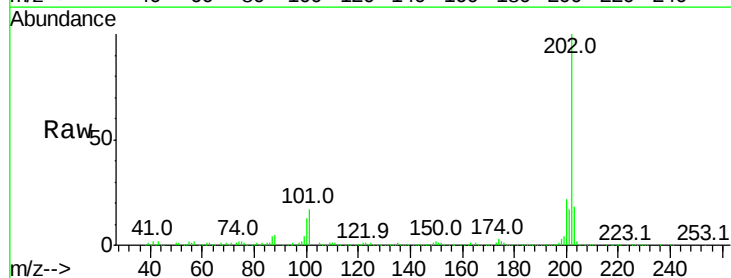
Tgt Ion:202 Resp: 283757

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

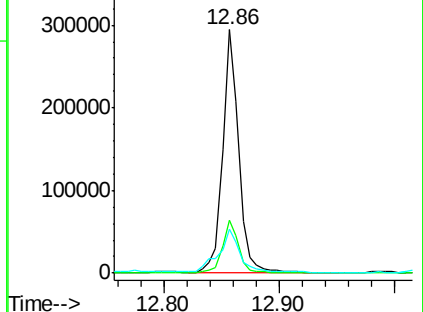
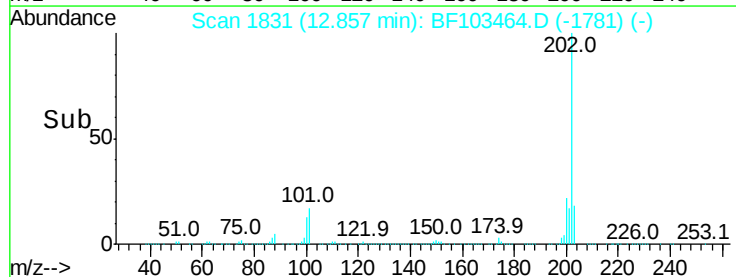
203 18.2 14.3 21.5

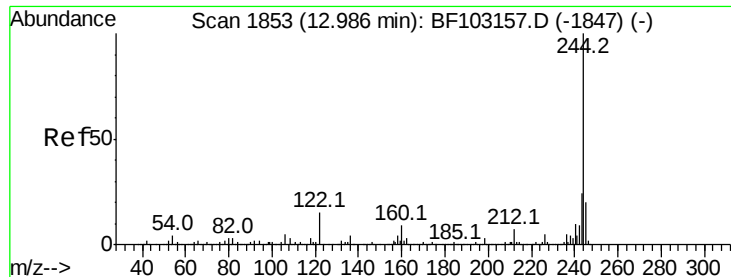


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 48.647 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_F

ClientSampleId :

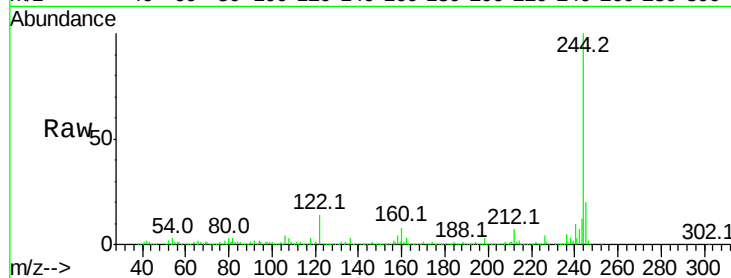
Tot Ion:244 Resp: 565371

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

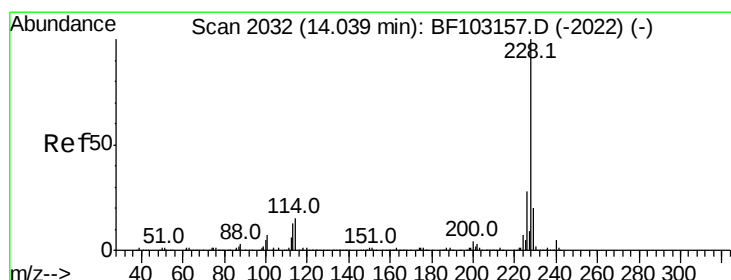
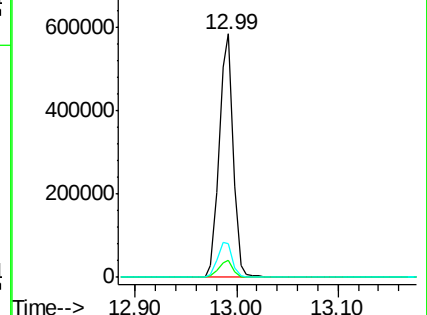
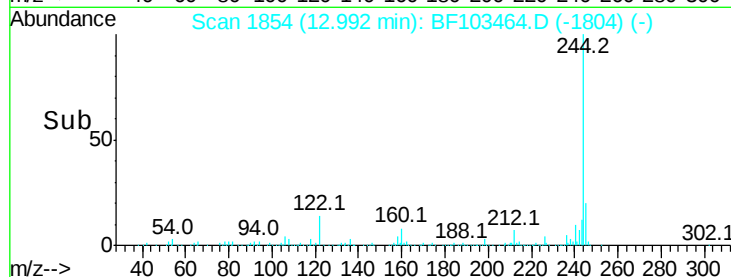
122 13.9 11.0 16.4



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: 6.744 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103464.D

Acq: 6 Mar 2018 19:16

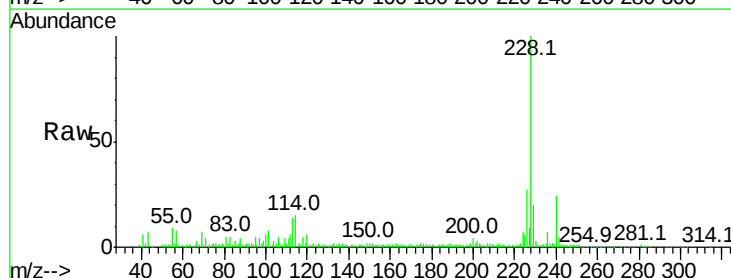
Tgt Ion:228 Resp: 122247

Ion Ratio Lower Upper

228 100

226 26.6 22.6 33.8

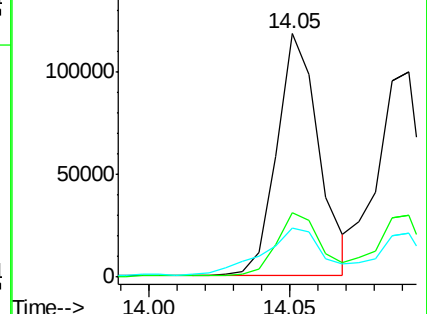
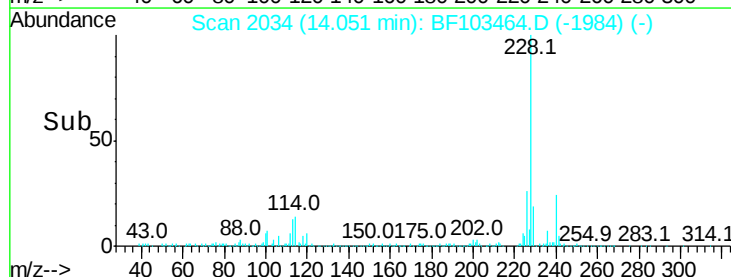
229 20.2 15.8 23.6

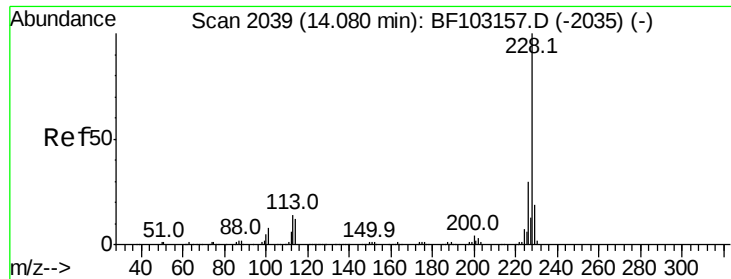


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

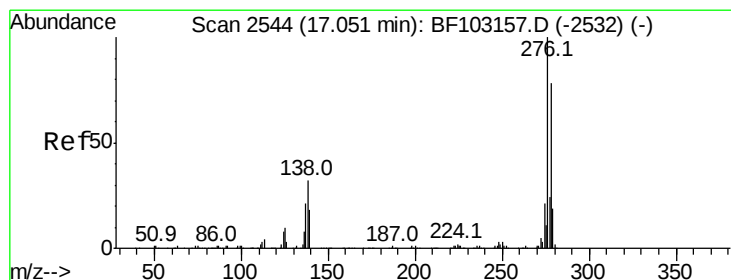
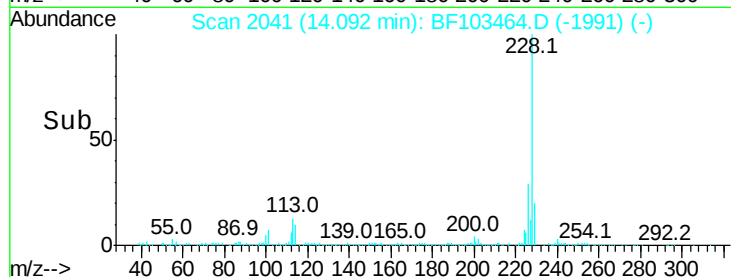
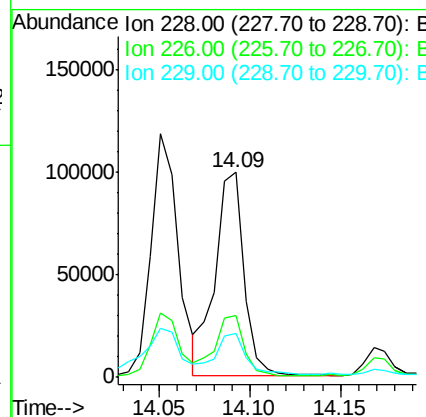
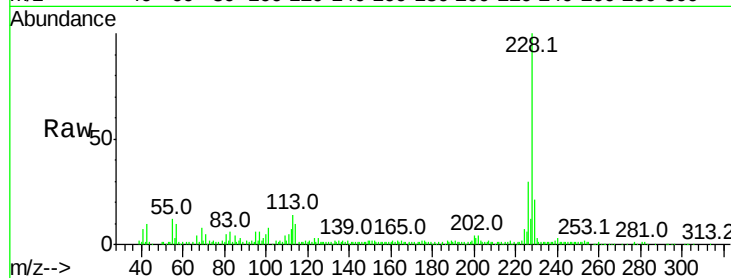




#82
Chrysene
Concen: 6.282 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103464.D
Acq: 6 Mar 2018 19:16

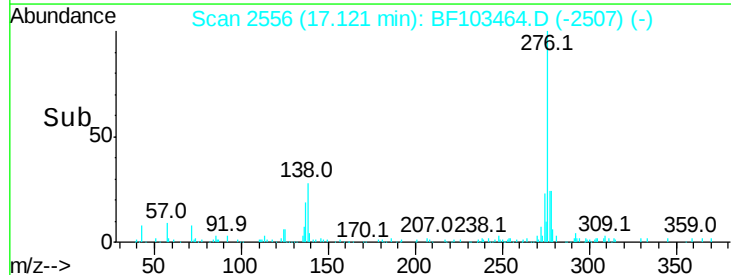
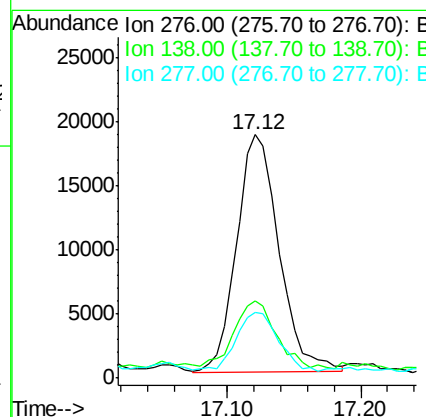
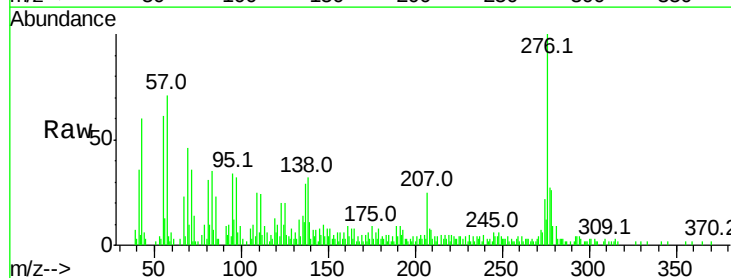
Instrument :
BNA_F
ClientSampleId :

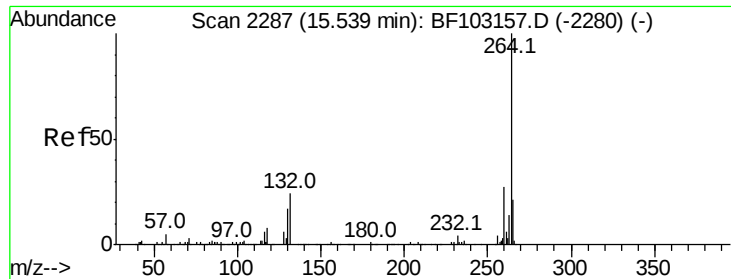
Tot Ion:228 Resp: 110564
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.2 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.938 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF103464.D
Acq: 6 Mar 2018 19:16

Tgt Ion:276 Resp: 40944
Ion Ratio Lower Upper
276 100
138 29.0 25.0 37.6
277 24.4 20.1 30.1

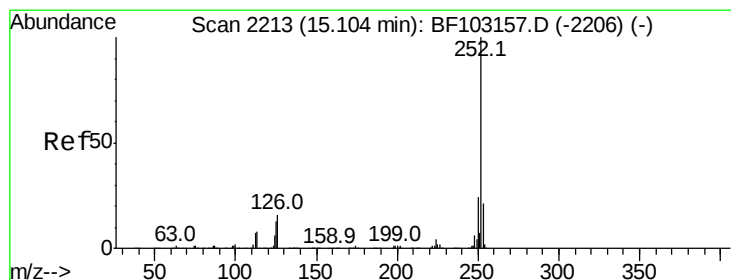
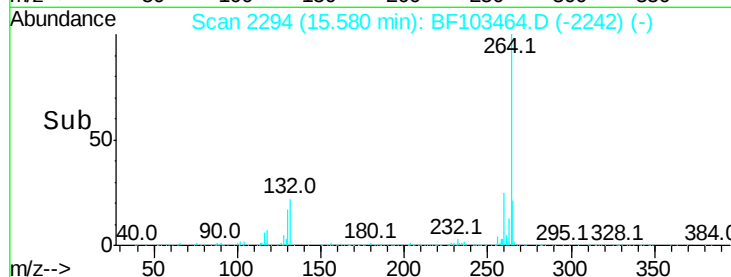
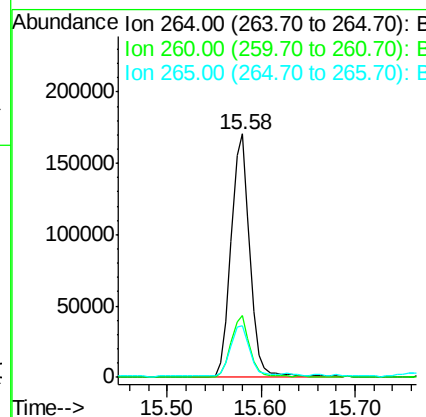
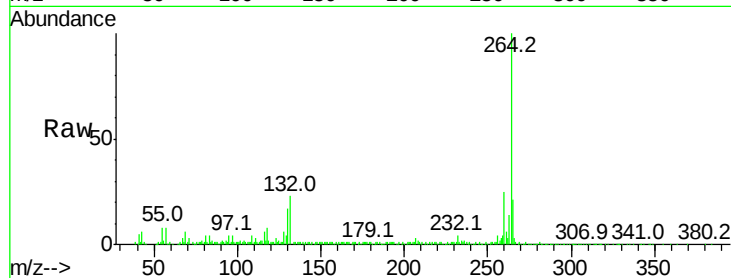




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103464.D
Acq: 6 Mar 2018 19:16

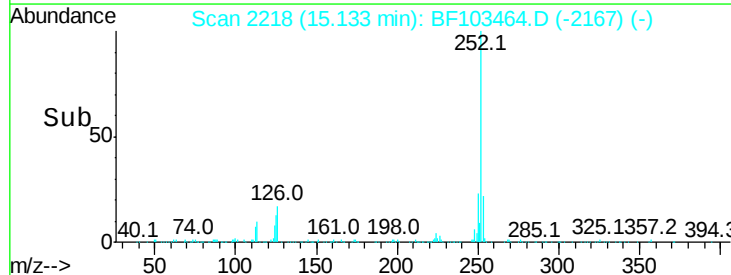
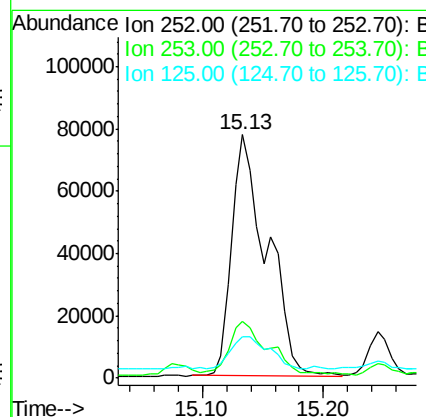
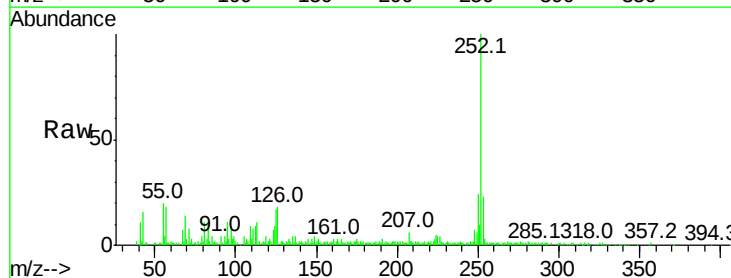
Instrument :
BNA_F
ClientSampleId :

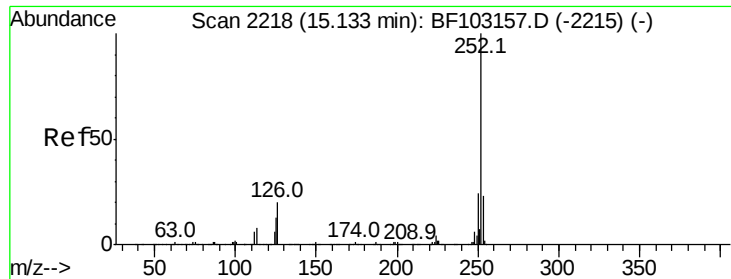
Tot Ion:264 Resp: 234968
Ion Ratio Lower Upper
264 100
260 25.4 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 10.135 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103464.D
Acq: 6 Mar 2018 19:16

Tgt Ion:252 Resp: 156574
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 16.9 9.0 13.6#

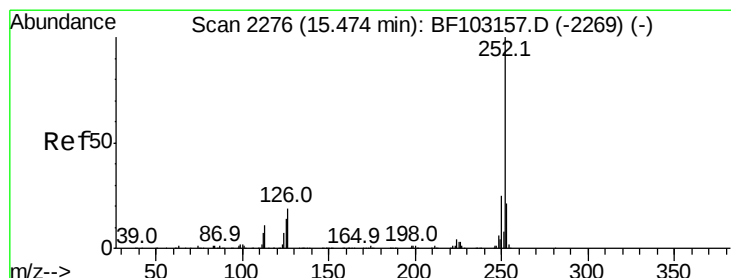
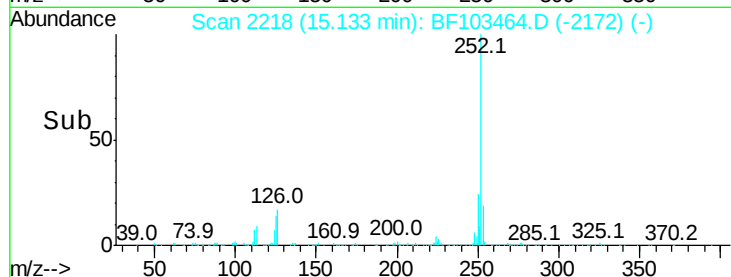
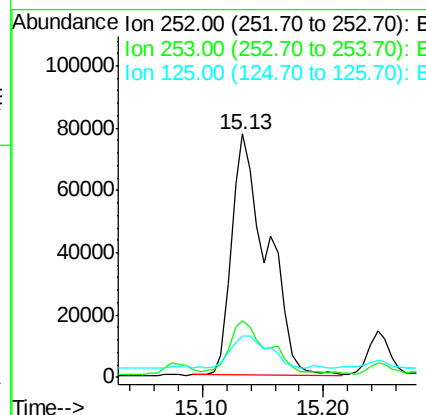
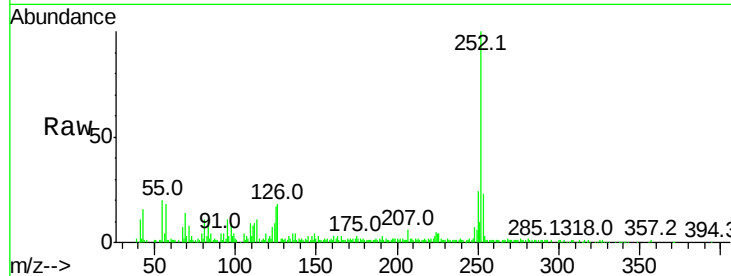




#88
Benzo(k)fluoranthene
Concen: 10.763 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103464.D
Acq: 6 Mar 2018 19:16

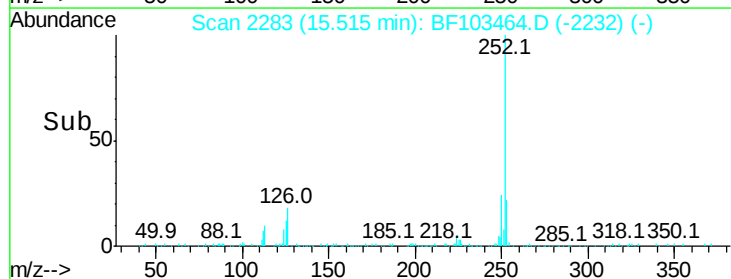
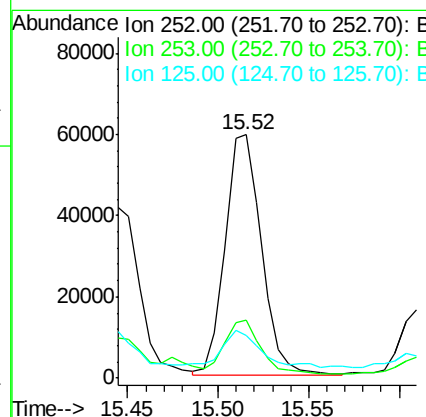
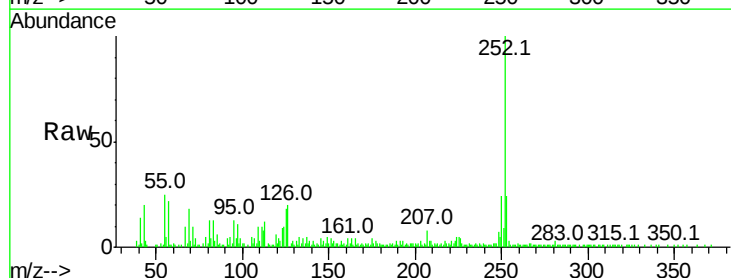
Instrument :
BNA_F
ClientSampleId :

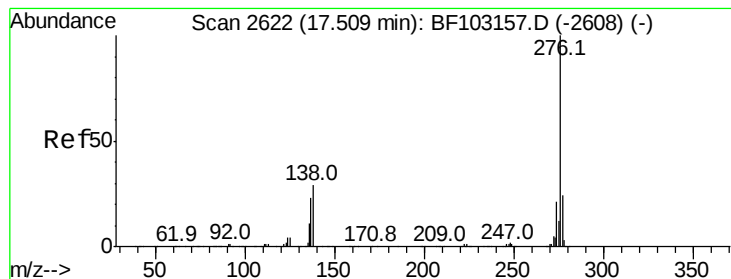
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	16.9	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 6.017 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103464.D
Acq: 6 Mar 2018 19:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	17.7	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.670 ng
 RT: 17.60 min Scan# 2638
 Delta R.T. 0.01 min
 Lab File: BF103464.D
 Acq: 6 Mar 2018 19:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	17.9	26.9
138	30.5	21.8	32.8

