

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031218\
 Data File : BF103574.D
 Acq On : 12 Mar 2018 11:46
 Operator : SJ/JU
 Sample : J1776-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-6FT

Quant Time: Mar 12 13:00:30 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	141927	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	599819	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	252020	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	401509	20.00	ng	0.00
75) Chrysene-d12	14.06	240	225495	20.00	ng	0.00
86) Perylene-d12	15.57	264	212847	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	762311	81.23	ng	0.01
7) Phenol-d6	6.50	99	982395	85.55	ng	0.00
23) Nitrobenzene-d5	7.43	82	612875	58.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	134276	62.95	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	862731	53.86	ng	0.00
78) Terphenyl-d14	12.98	244	575991	61.40	ng	0.00

Target Compounds

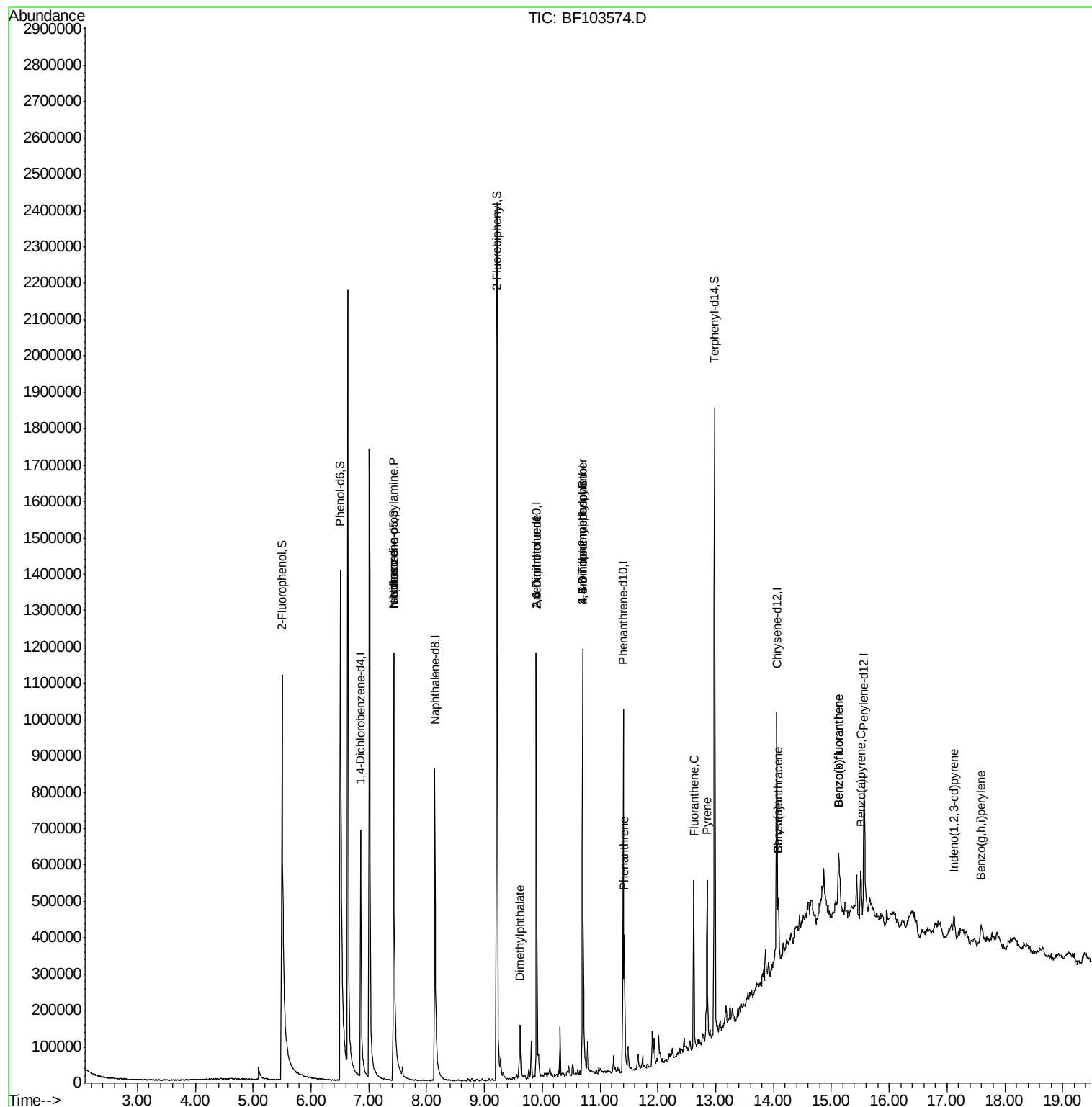
						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	78089	10.927	ng	# 85
25) Isophorone	7.43	82	612872	29.627	ng	# 64
49) Dimethylphthalate	9.62	163	71981	3.560	ng	98
50) 2,6-Dinitrotoluene	9.90	165	32579	7.679	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	32579	6.072	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	112	4.986	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	9601	2.296	ng	# 1
70) Phenanthrene	11.42	178	132352	5.990	ng	99
74) Fluoranthene	12.62	202	204514	9.211	ng	97
77) Pyrene	12.85	202	179277	10.197	ng	99
80) Benzo(a)anthracene	14.09	228	66650	4.555	ng	91
82) Chrysene	14.09	228	66650	4.692	ng	96
85) Indeno(1,2,3-cd)pyrene	17.12	276	40334	3.586	ng	# 92
87) Benzo(b)fluoranthene	15.13	252	116312	8.311	ng	# 91
88) Benzo(k)fluoranthene	15.13	252	116362	8.830	ng	# 94
89) Benzo(a)pyrene	15.51	252	65371	5.231	ng	# 86
91) Benzo(g,h,i)perylene	17.60	276	40727	4.315	ng	# 84

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

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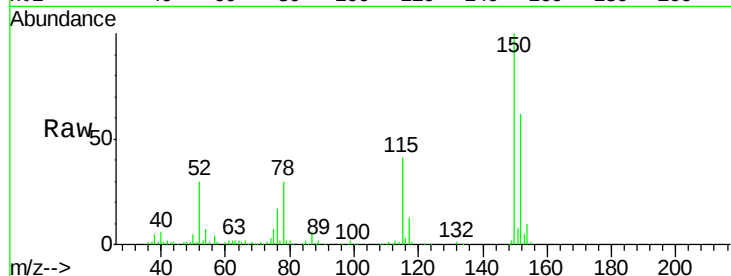


#1

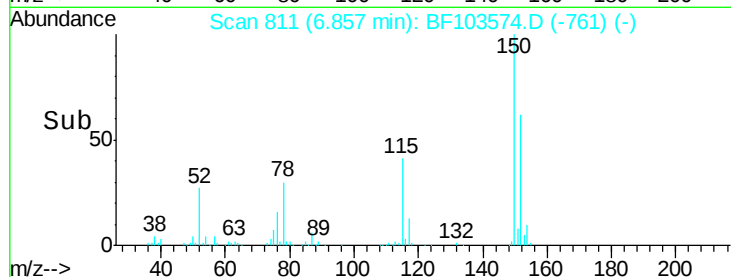
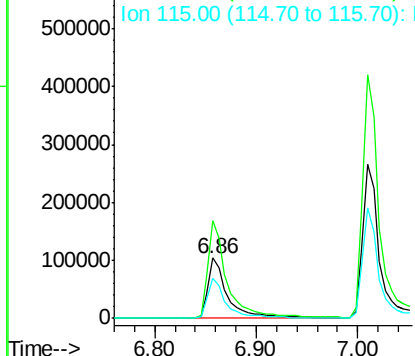
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

Instrument :
BNA_F
ClientSampled :
TP-1-6FT

Tgt Ion:152 Resp: 141927
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 65.8 50.1 75.1



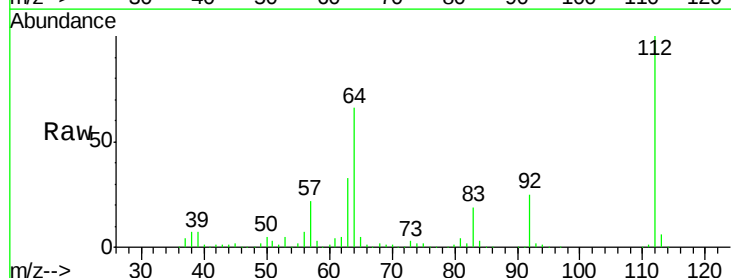
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



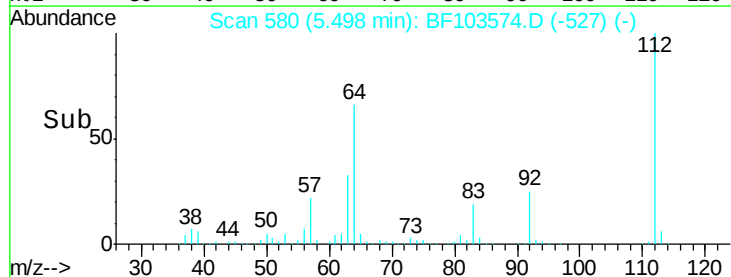
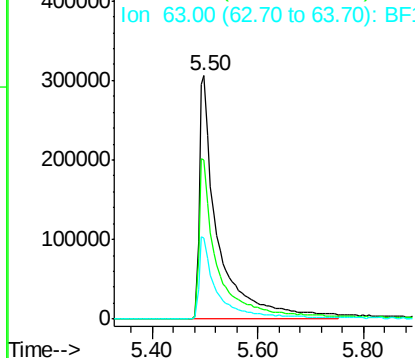
#5

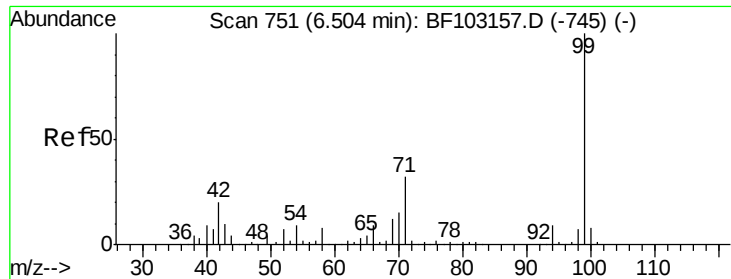
2-Fluorophenol
Concen: 81.235 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

Tgt Ion:112 Resp: 762311
Ion Ratio Lower Upper
112 100
64 65.6 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: 85.554 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

Instrument :

BNA_F

ClientSampleId :

TP-1-6FT

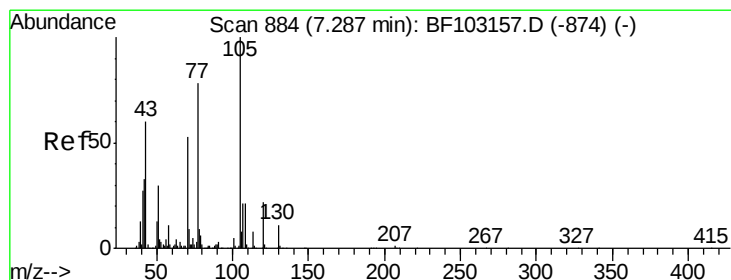
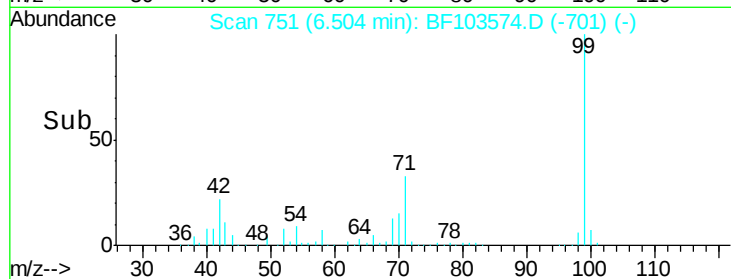
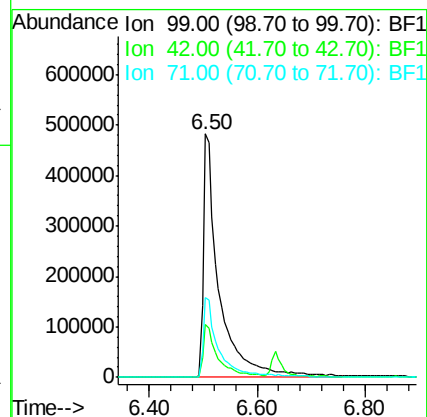
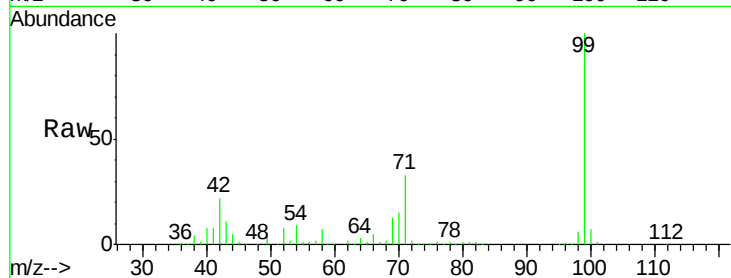
Tgt Ion: 99 Resp: 982395

Ion Ratio Lower Upper

99 100

42 21.8 14.5 21.7#

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.927 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

Tgt Ion: 70 Resp: 78089

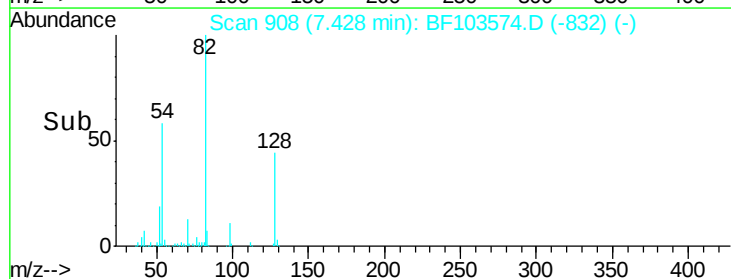
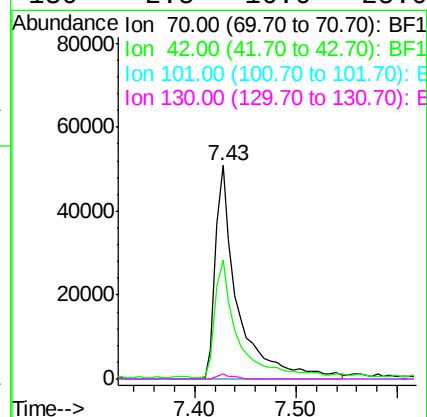
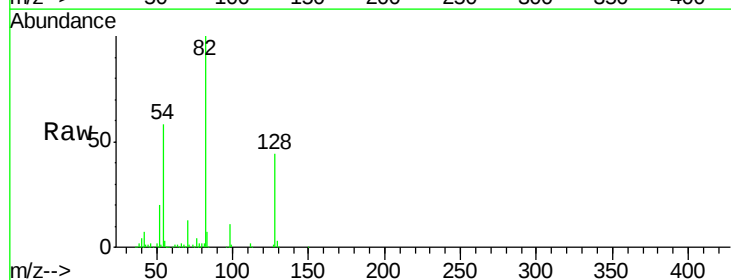
Ion Ratio Lower Upper

70 100

42 55.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

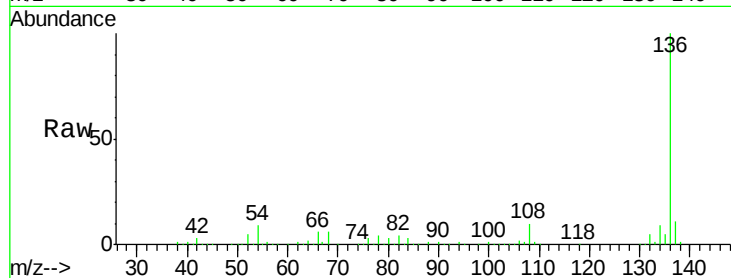




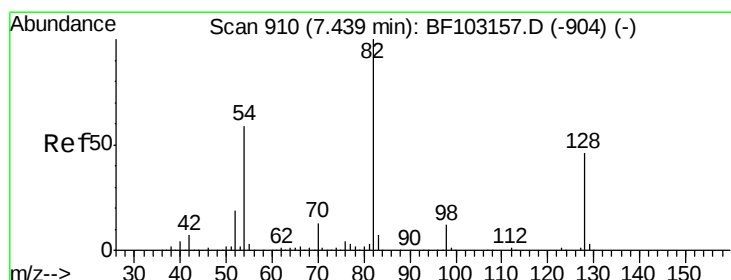
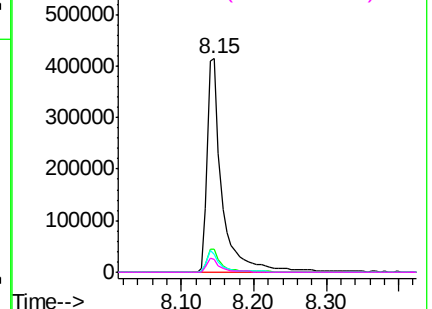
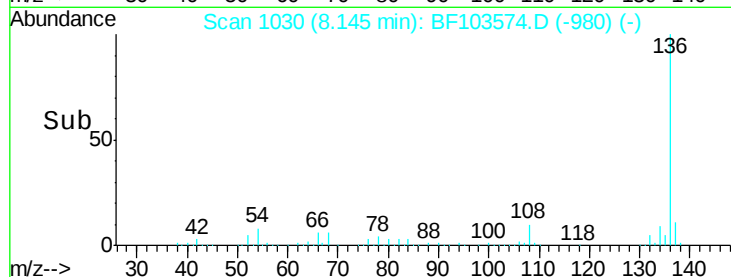
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

Instrument :
BNA_F
ClientSampleId :
TP-1-6FT

Tgt Ion:	136	Resp:	599819
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.5	6.6	9.8
68	6.2	5.0	7.4

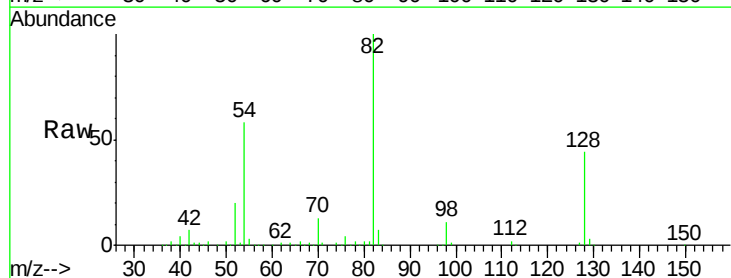


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

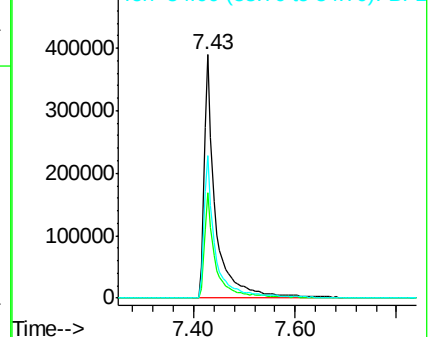
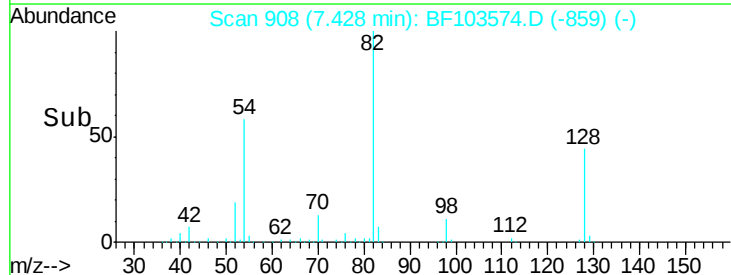


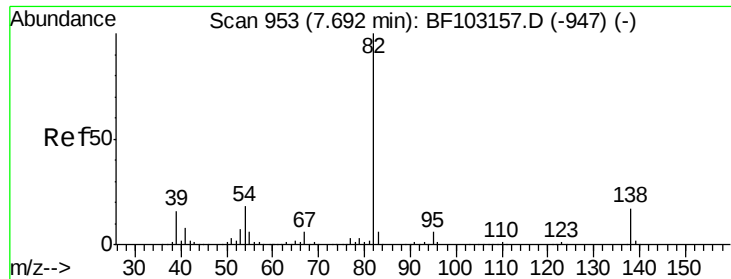
#23
Nitrobenzene-d5
Concen: 58.351 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

Tgt Ion:	82	Resp:	612875
Ion	Ratio	Lower	Upper
82	100		
128	43.5	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: 29.627 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

Instrument :

BNA_F

ClientSampleId :

TP-1-6FT

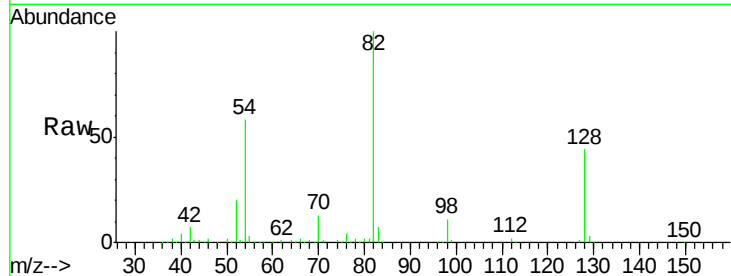
Tgt Ion: 82 Resp: 612872

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

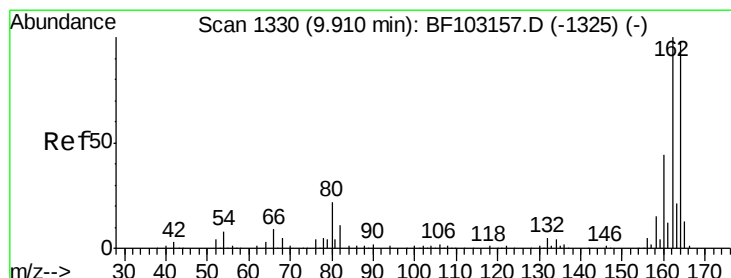
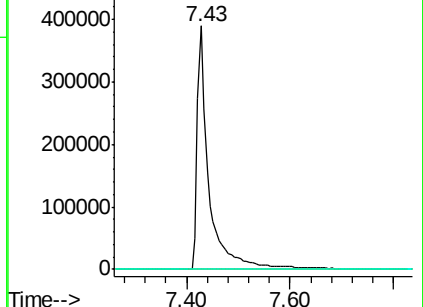
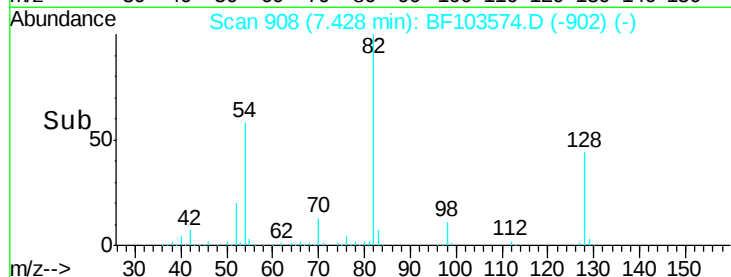
138 0.0 14.9 22.3#



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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

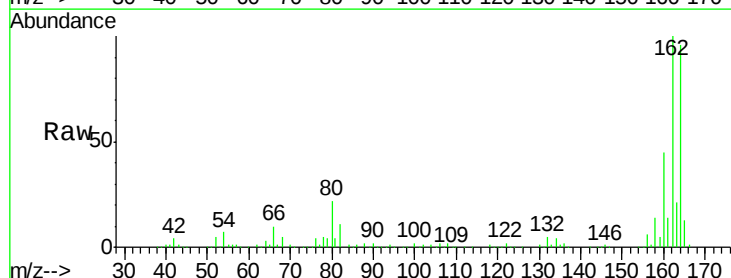
Tgt Ion: 164 Resp: 252020

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

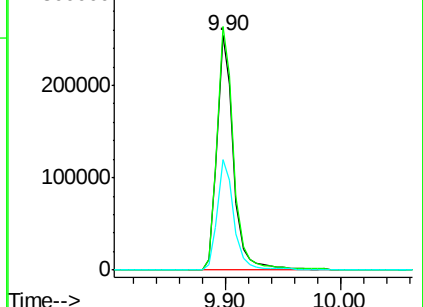
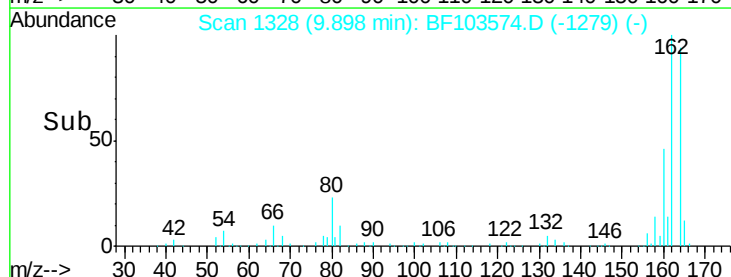
160 47.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

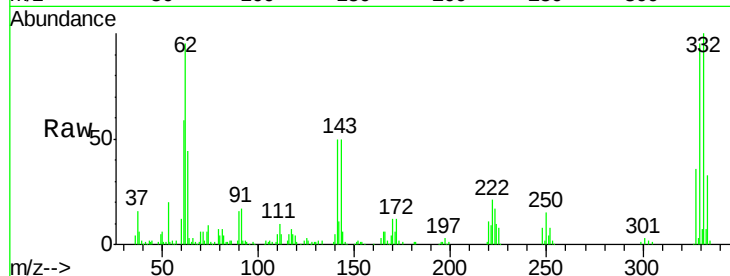




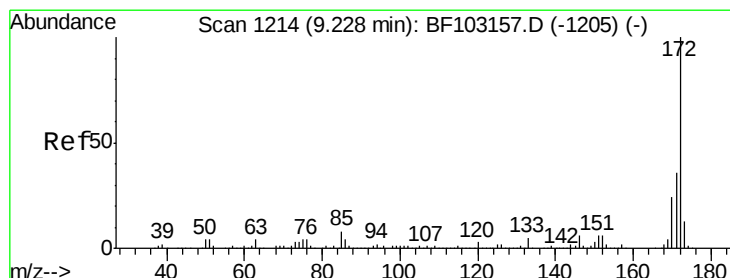
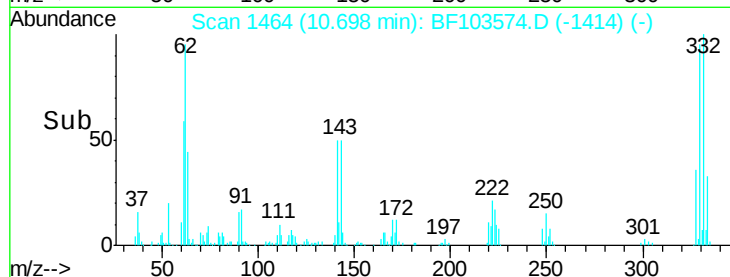
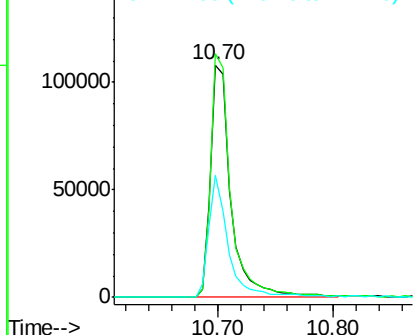
#41
 2,4,6-Tribromophenol
 Concen: 62.945 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103574.D
 Acq: 12 Mar 2018 11:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-6FT

Tgt Ion:330 Resp: 134276
 Ion Ratio Lower Upper
 330 100
 332 103.9 77.0 115.6
 141 51.1 29.9 44.9#

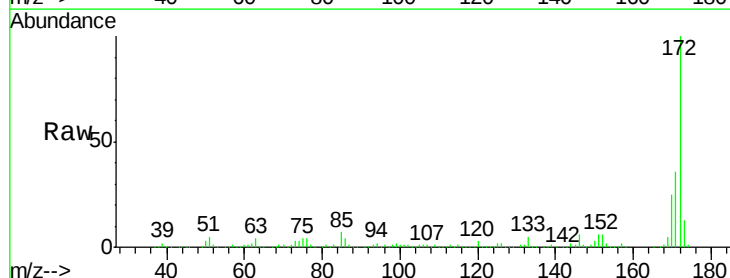


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

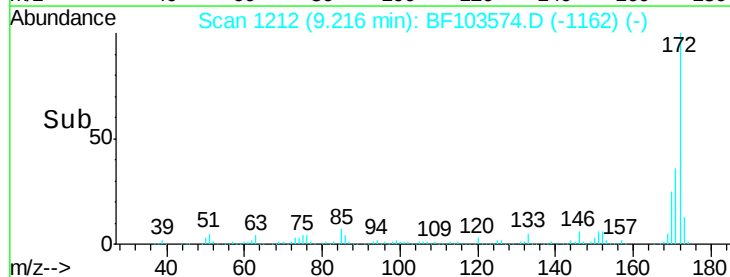
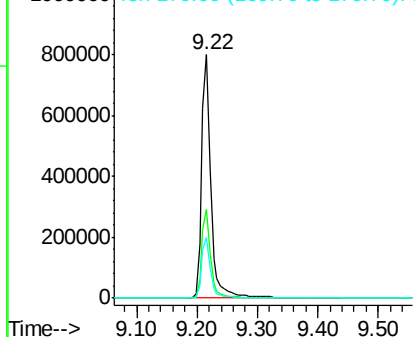


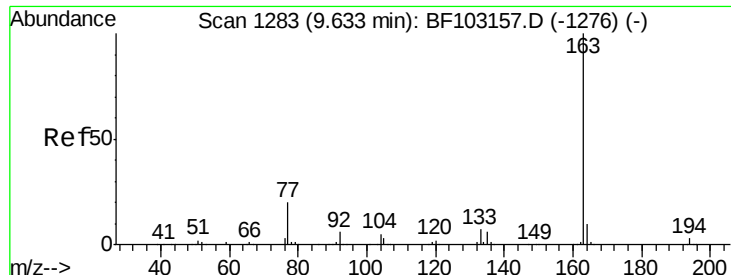
#44
 2-Fluorobiphenyl
 Concen: 53.857 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103574.D
 Acq: 12 Mar 2018 11:46

Tgt Ion:172 Resp: 862731
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.7 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

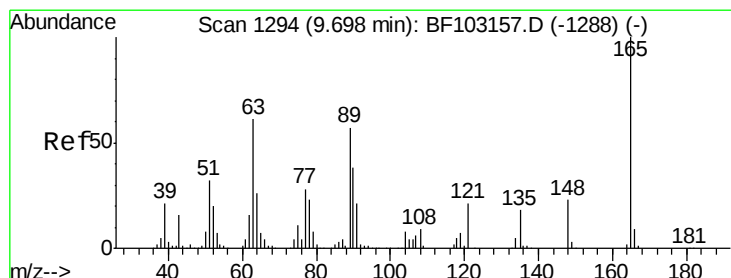
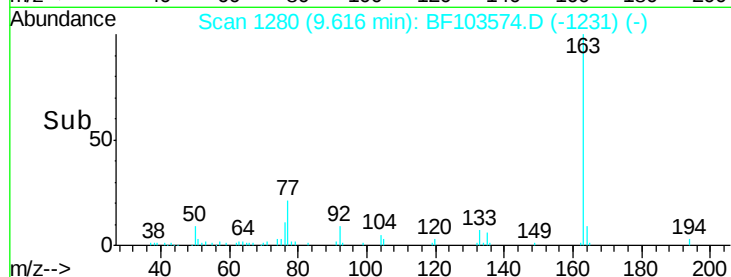
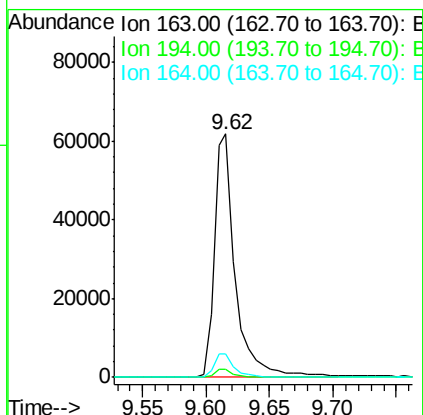
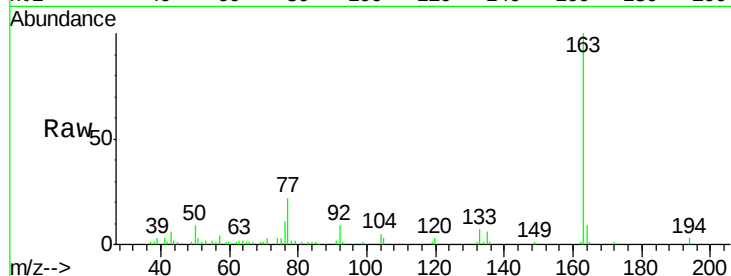




#49
Dimethylphthalate
Concen: 3.560 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

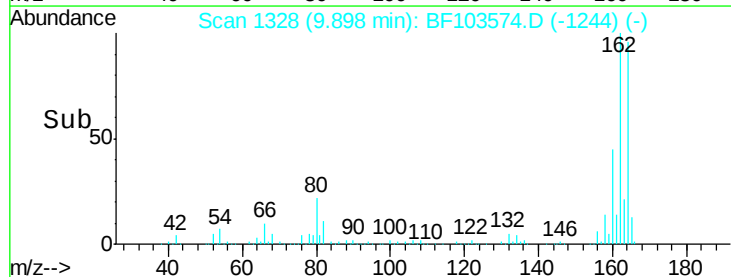
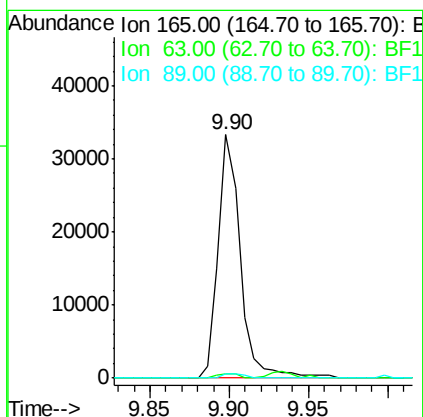
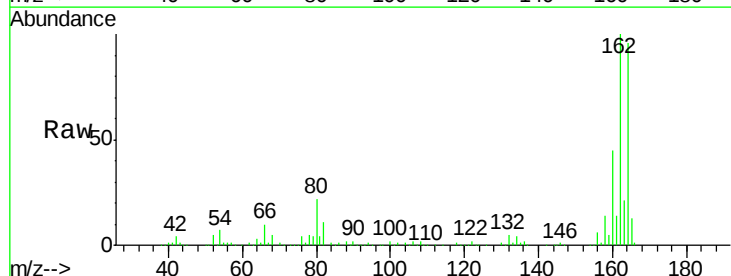
Instrument :
BNA_F
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TP-1-6FT

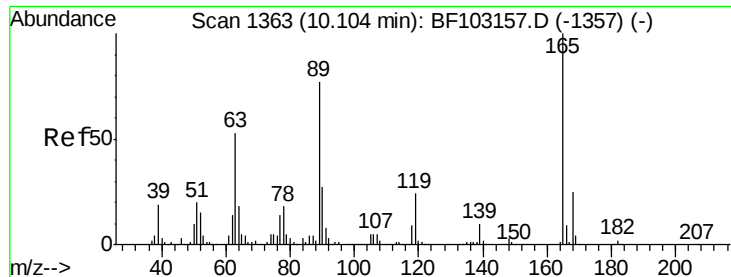
Tgt Ion:163 Resp: 71981
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.4 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.679 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.19 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

Tgt Ion:165 Resp: 32579
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.6 44.0 66.0#

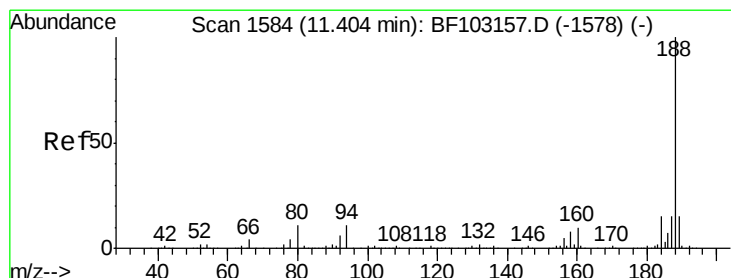
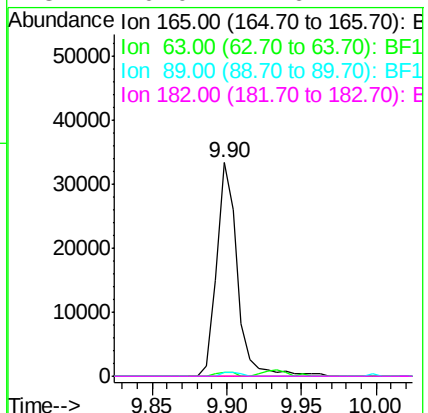
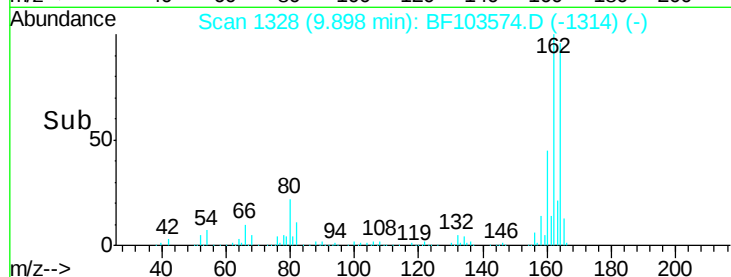
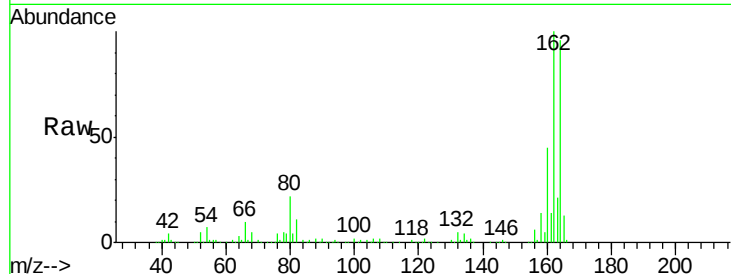




#56
 2,4-Dinitrotoluene
 Concen: 6.072 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.22 min
 Lab File: BF103574.D
 Acq: 12 Mar 2018 11:46

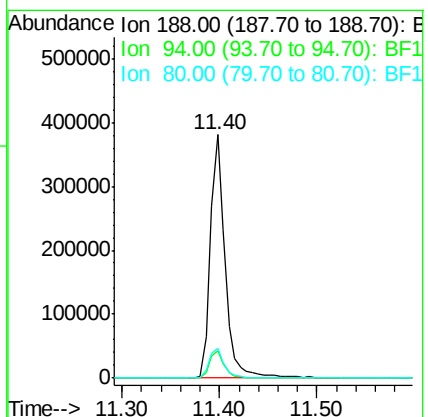
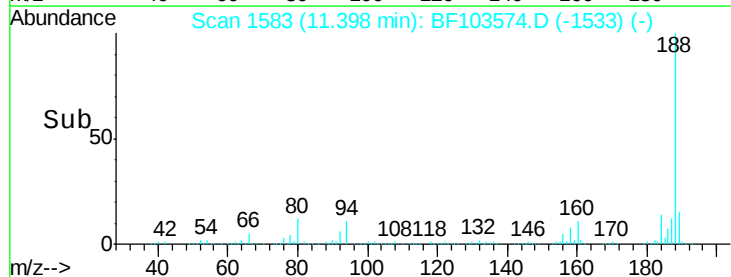
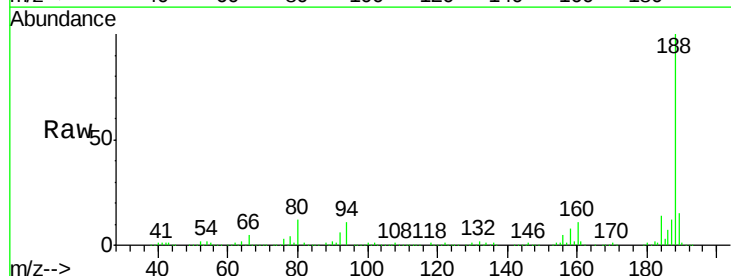
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-6FT

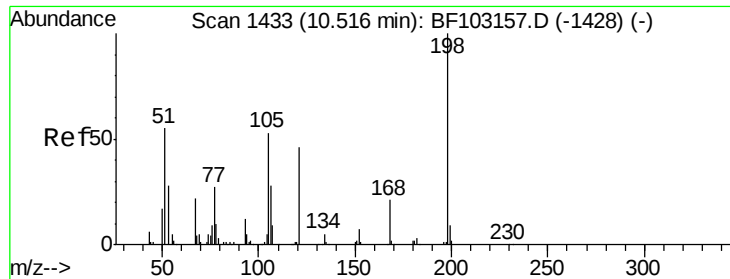
Tgt Ion:	165	Resp:	32579
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103574.D
 Acq: 12 Mar 2018 11:46

Tgt Ion:	188	Resp:	401509
Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	12.4	9.2	13.8

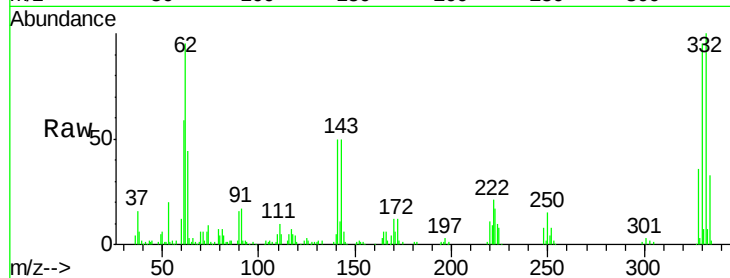




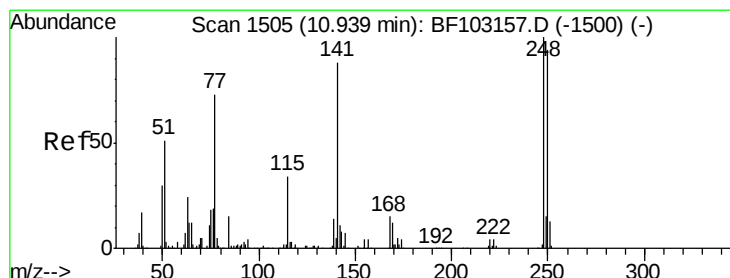
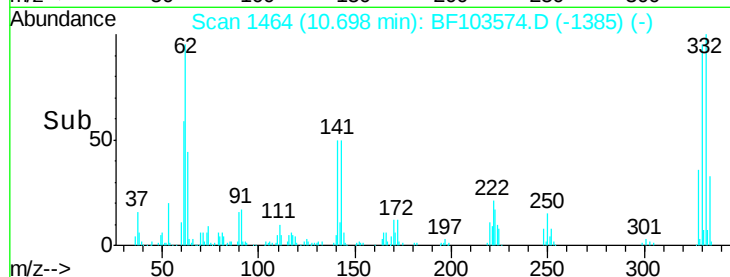
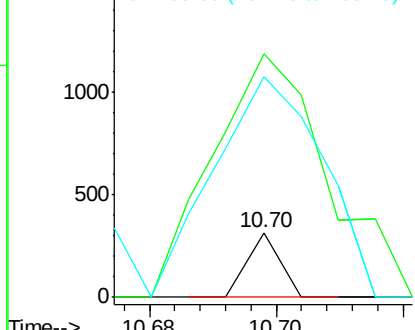
#64
4,6-Dinitro-2-methylphenol
Concen: 4.986 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.16 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

Instrument :
BNA_F
ClientSampleId :
TP-1-6FT

Tgt Ion:198 Resp: 112
Ion Ratio Lower Upper
198 100
51 375.1 37.7 77.7#
105 340.1 36.3 76.3#

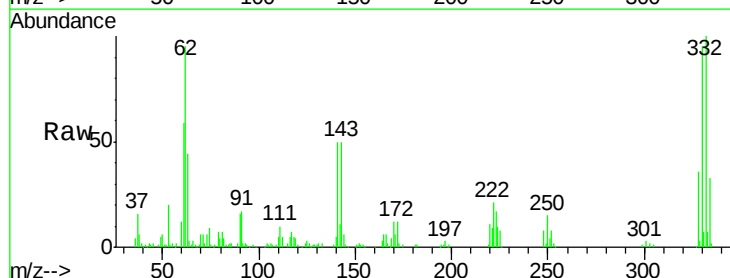


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

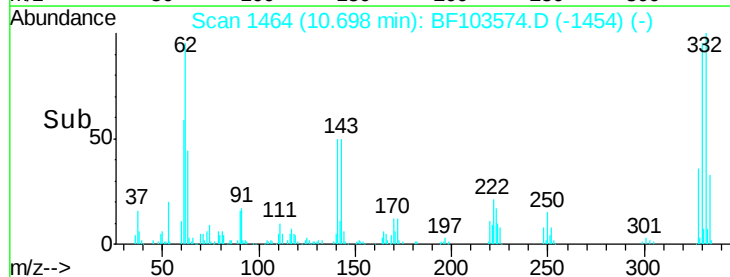
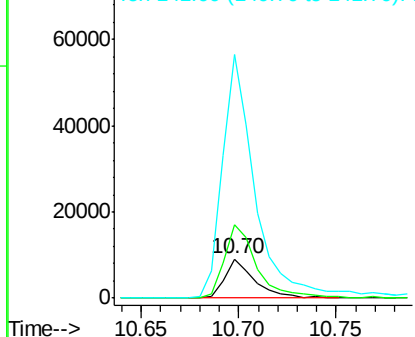


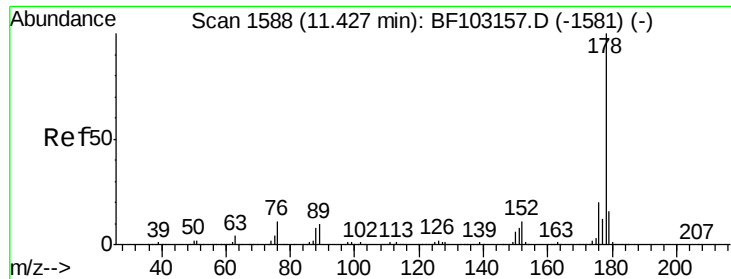
#66
4-Bromophenyl-phenylether
Concen: 2.296 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

Tgt Ion:248 Resp: 9601
Ion Ratio Lower Upper
248 100
250 187.3 76.9 115.3#
141 625.3 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: 5.990 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

Instrument :

BNA_F

ClientSampleId :

TP-1-6FT

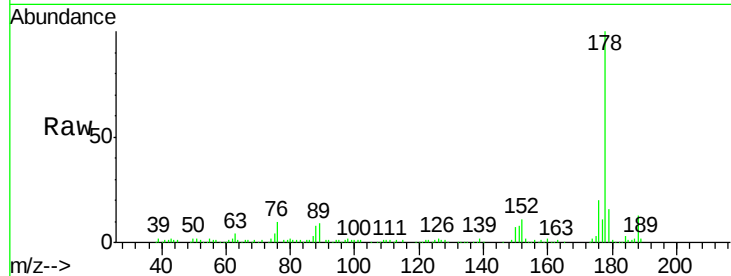
Tgt Ion:178 Resp: 132352

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

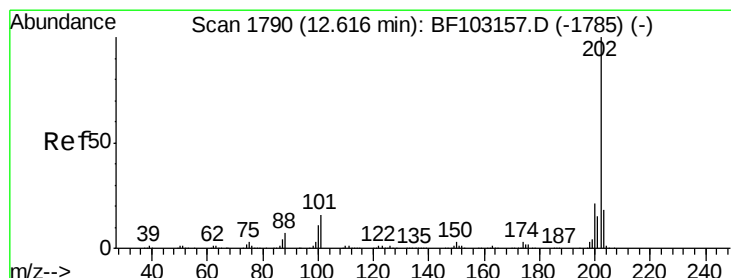
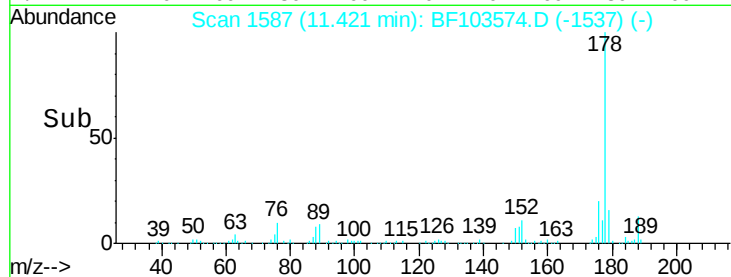
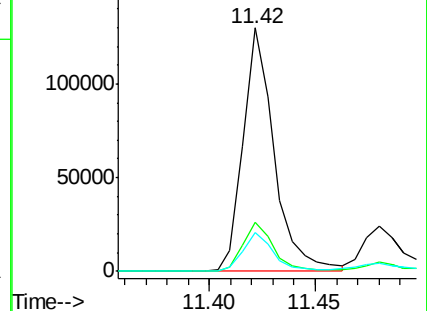
179 15.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 9.211 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

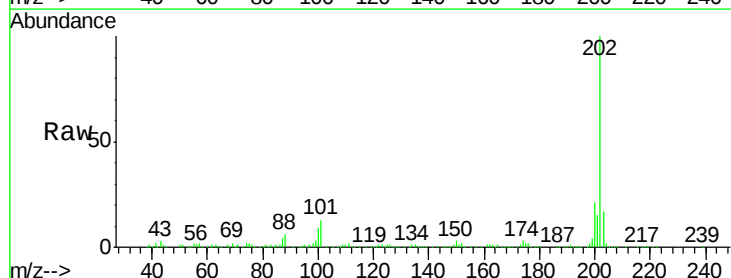
Tgt Ion:202 Resp: 204514

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

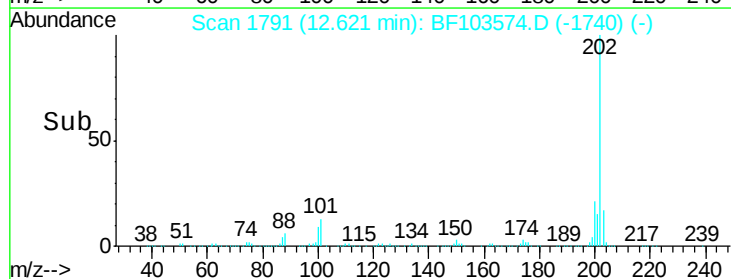
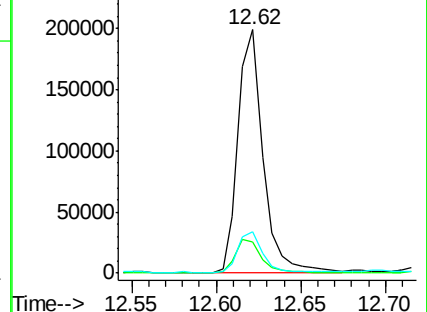
203 17.2 0.0 38.1

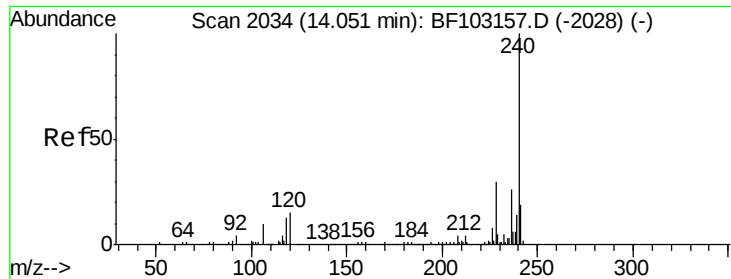


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

Instrument :

BNA_F

ClientSampleId :

TP-1-6FT

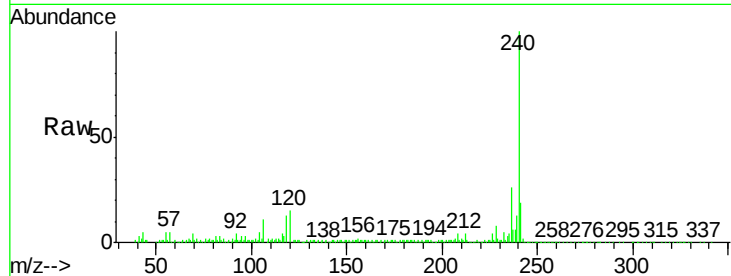
Tgt Ion:240 Resp: 225495

Ion Ratio Lower Upper

240 100

120 15.4 9.5 14.3#

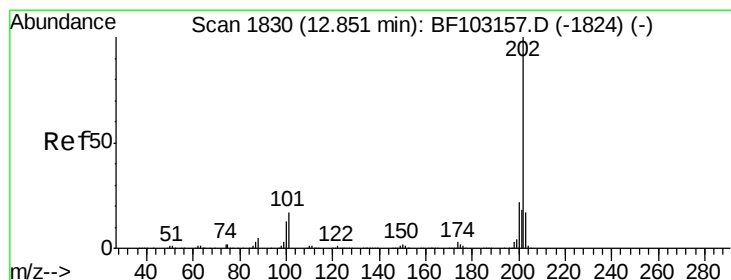
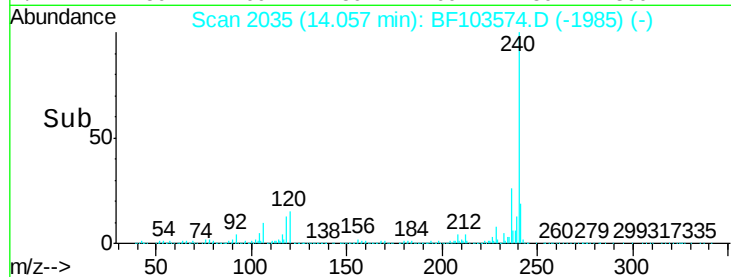
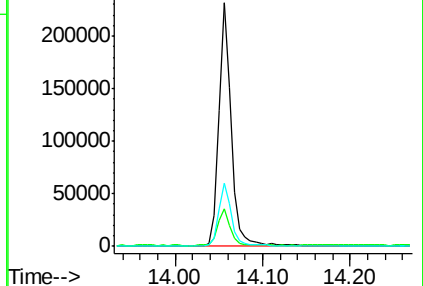
236 26.2 20.7 31.1



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: 10.197 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

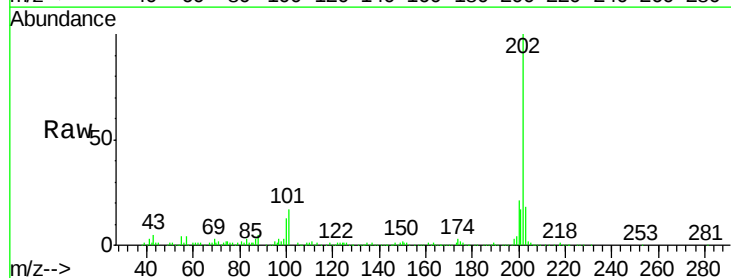
Tgt Ion:202 Resp: 179277

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

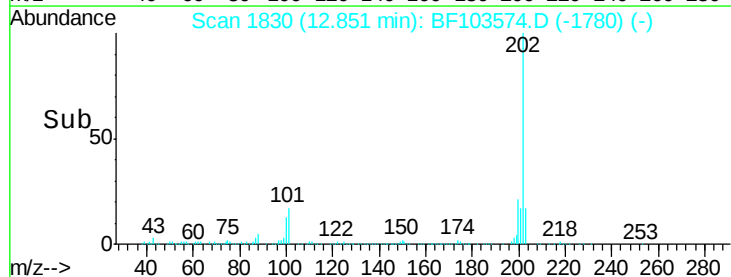
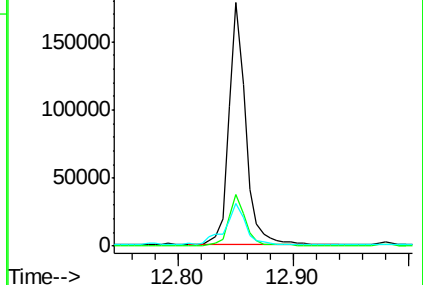
203 17.8 14.3 21.5

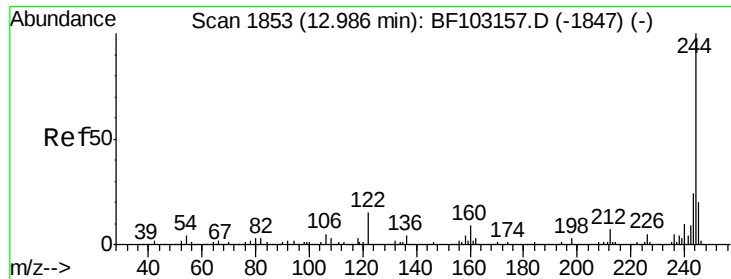


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.403 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

Instrument :

BNA_F

ClientSampleId :

TP-1-6FT

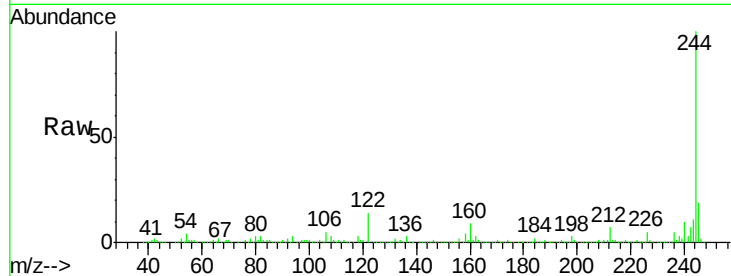
Tgt Ion:244 Resp: 575991

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

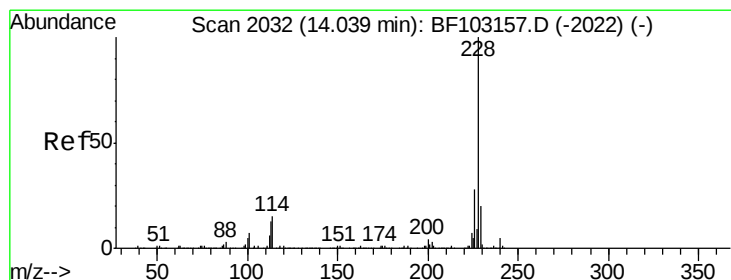
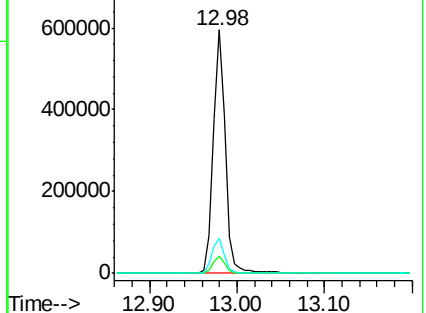
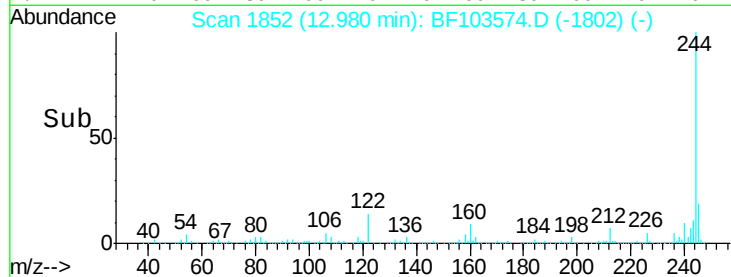
122 14.5 11.0 16.4



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: 4.555 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.04 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

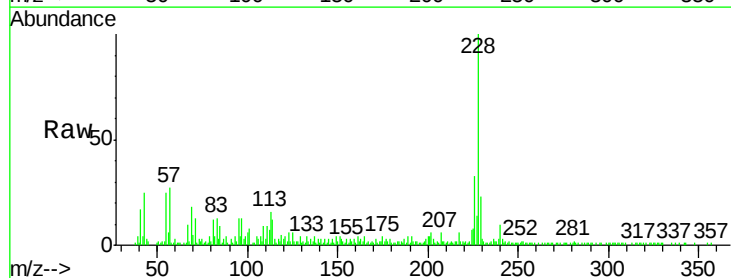
Tgt Ion:228 Resp: 66650

Ion Ratio Lower Upper

228 100

226 32.9 22.6 33.8

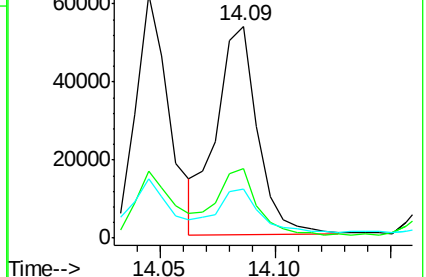
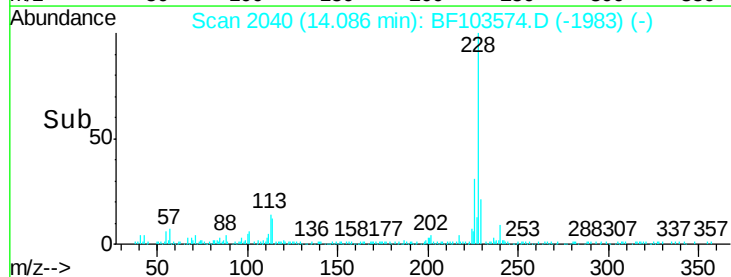
229 23.3 15.8 23.6

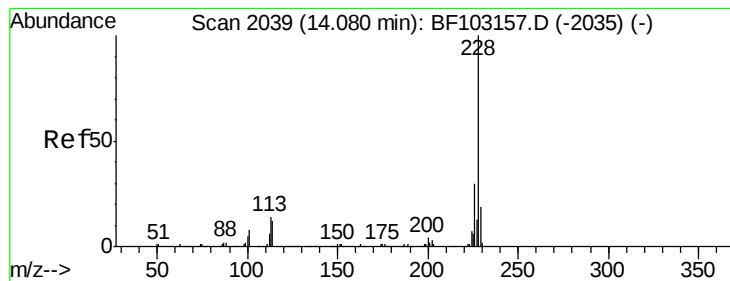


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.692 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

Instrument :

BNA_F

ClientSampleId :

TP-1-6FT

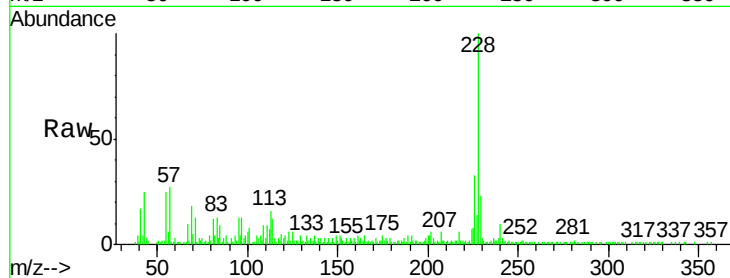
Tgt Ion:228 Resp: 66650

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

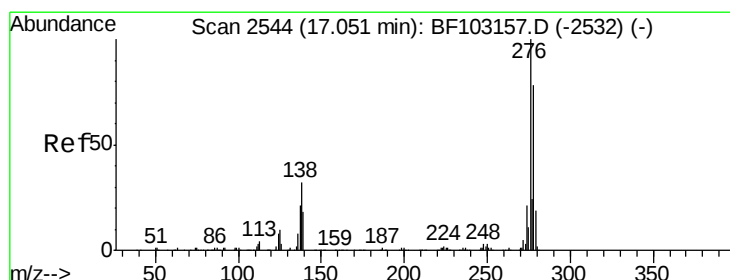
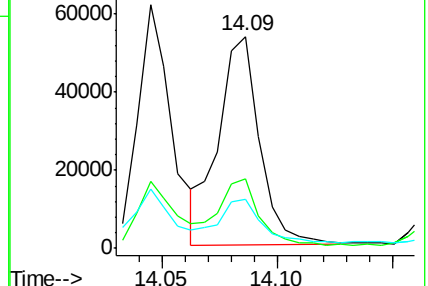
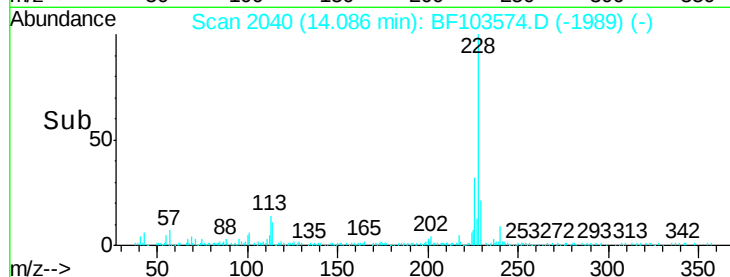
229 23.3 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.586 ng

RT: 17.12 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BF103574.D

Acq: 12 Mar 2018 11:46

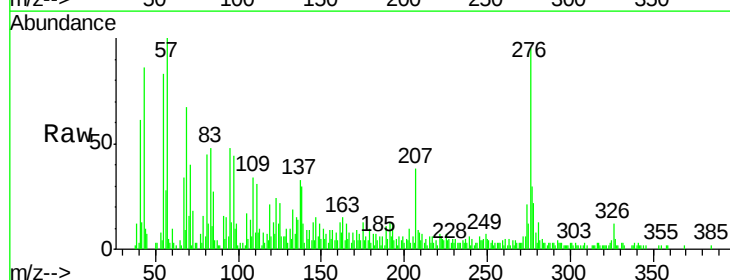
Tgt Ion:276 Resp: 40334

Ion Ratio Lower Upper

276 100

138 24.6 25.0 37.6#

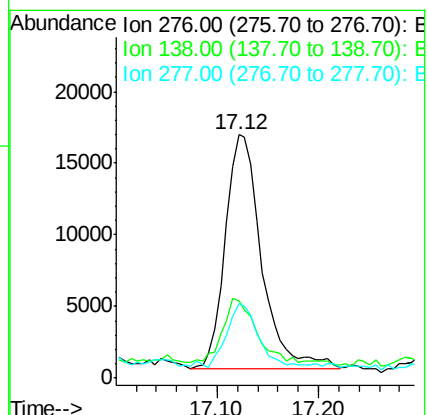
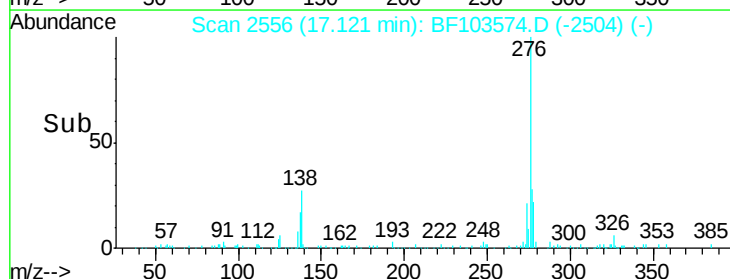
277 23.6 20.1 30.1

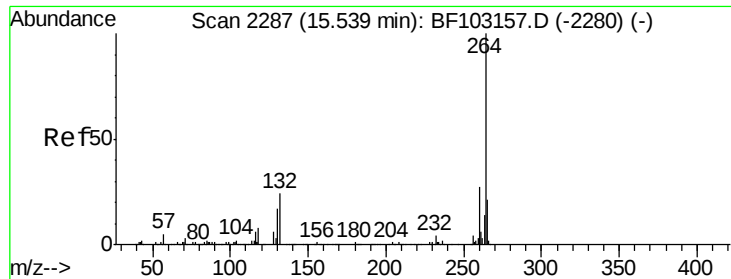


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

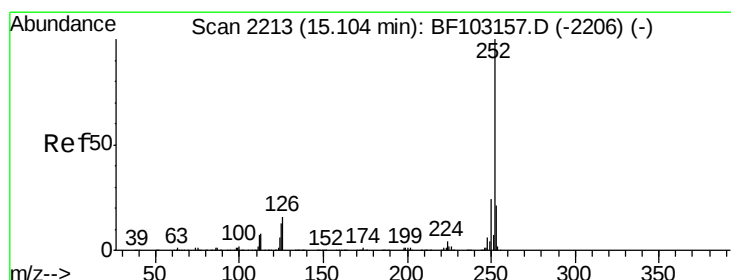
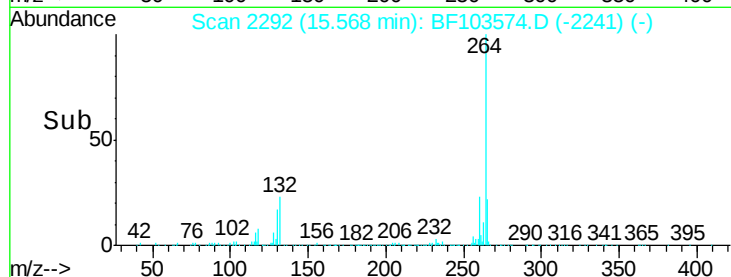
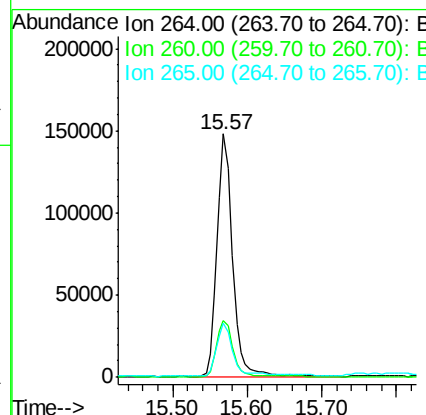
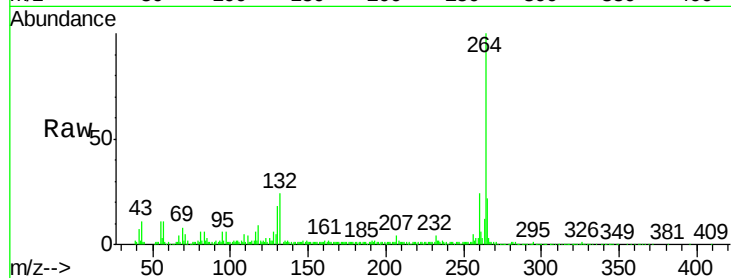




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

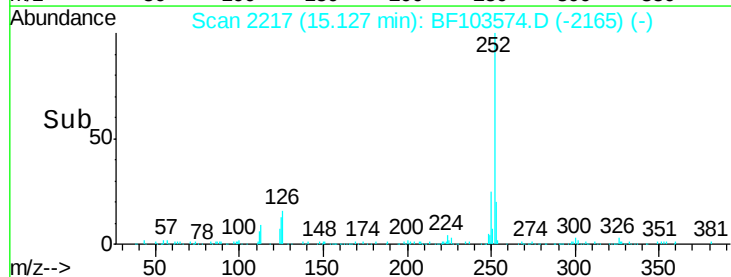
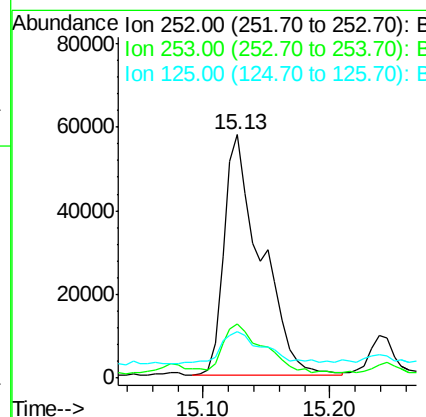
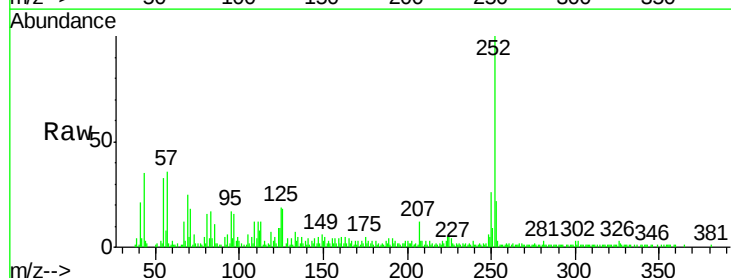
Instrument :
BNA_F
ClientSampleId :
TP-1-6FT

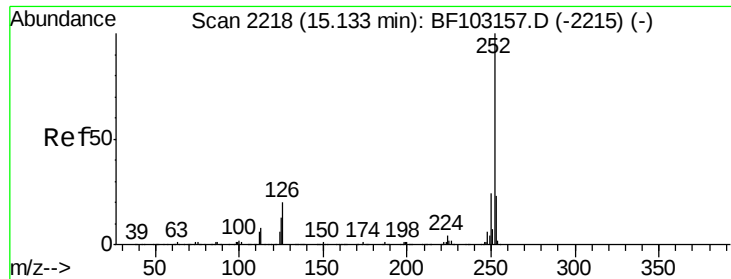
Tgt Ion:264 Resp: 212847
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.311 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

Tgt Ion:252 Resp: 116312
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 19.2 9.0 13.6#

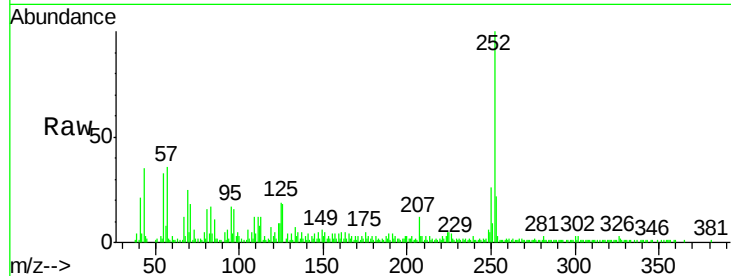




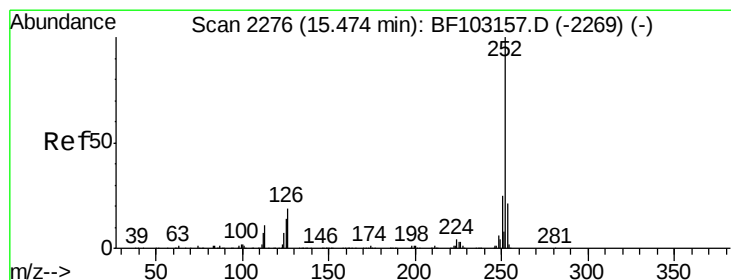
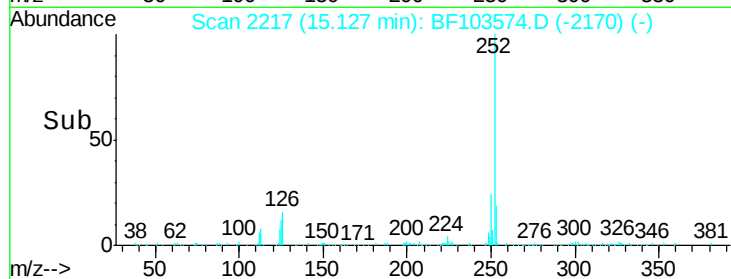
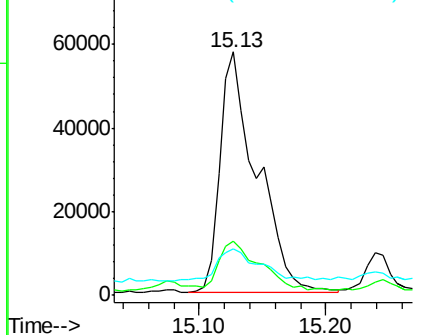
#88
Benzo(k)fluoranthene
Concen: 8.830 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

Instrument :
BNA_F
ClientSampleId :
TP-1-6FT

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	19.2	10.2	15.2

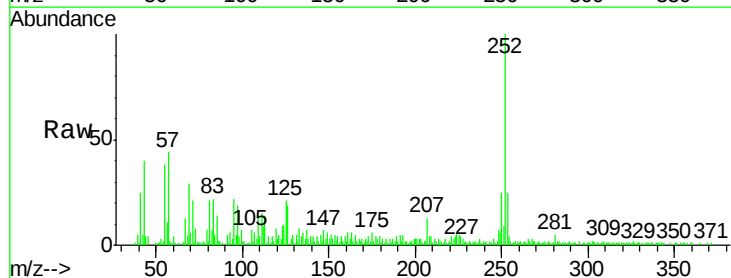


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

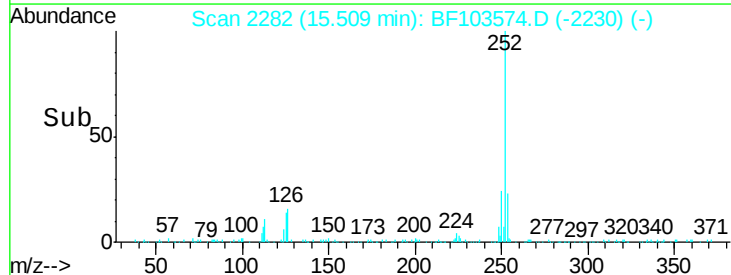
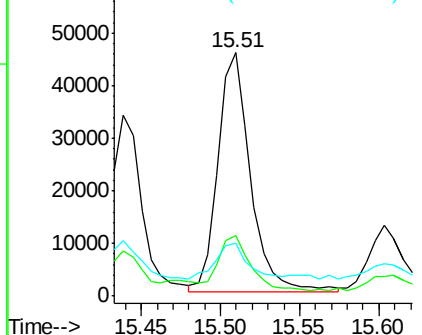


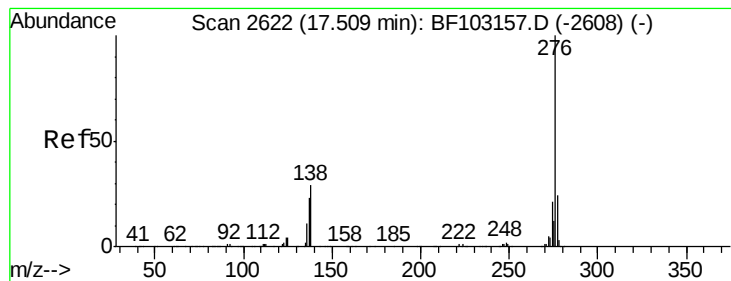
#89
Benzo(a)pyrene
Concen: 5.231 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF103574.D
Acq: 12 Mar 2018 11:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	21.5	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





#91

Benzo(g,h,i)perylene

Concen: 4.315 ng

RT: 17.60 min Scan# 2637

Delta R.T. 0.01 min

Lab File: BF103574.D

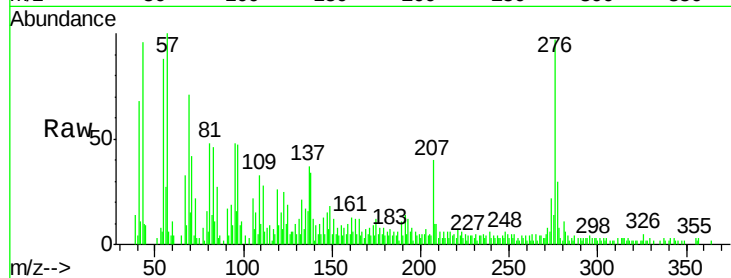
Acq: 12 Mar 2018 11:46

Instrument :

BNA_F

ClientSampleId :

TP-1-6FT



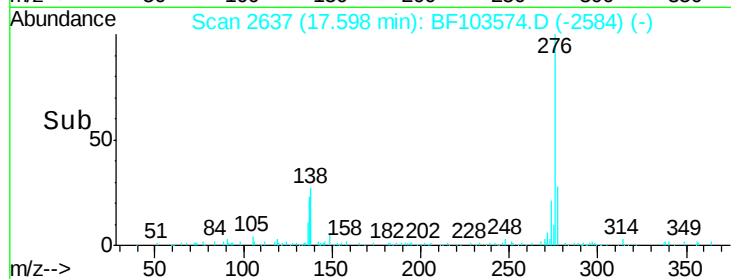
Tgt Ion: 276 Resp: 40727

Ion Ratio Lower Upper

276 100

277 30.7 17.9 26.9#

138 34.8 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

