

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104575.D
 Acq On : 17 Apr 2018 21:29
 Operator : JU/SJ
 Sample : J2387-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:52:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	140594	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	560301	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	229909	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	369443	20.00	ng	0.00
75) Chrysene-d12	13.98	240	299325	20.00	ng	0.00
86) Perylene-d12	15.44	264	252711	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	859907	93.52	ng	0.00
7) Phenol-d6	6.45	99	1051011	93.03	ng	0.00
23) Nitrobenzene-d5	7.37	82	634469	73.94	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	218240	91.51	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	987712	67.87	ng	0.00
78) Terphenyl-d14	12.92	244	788099	60.03	ng	0.00

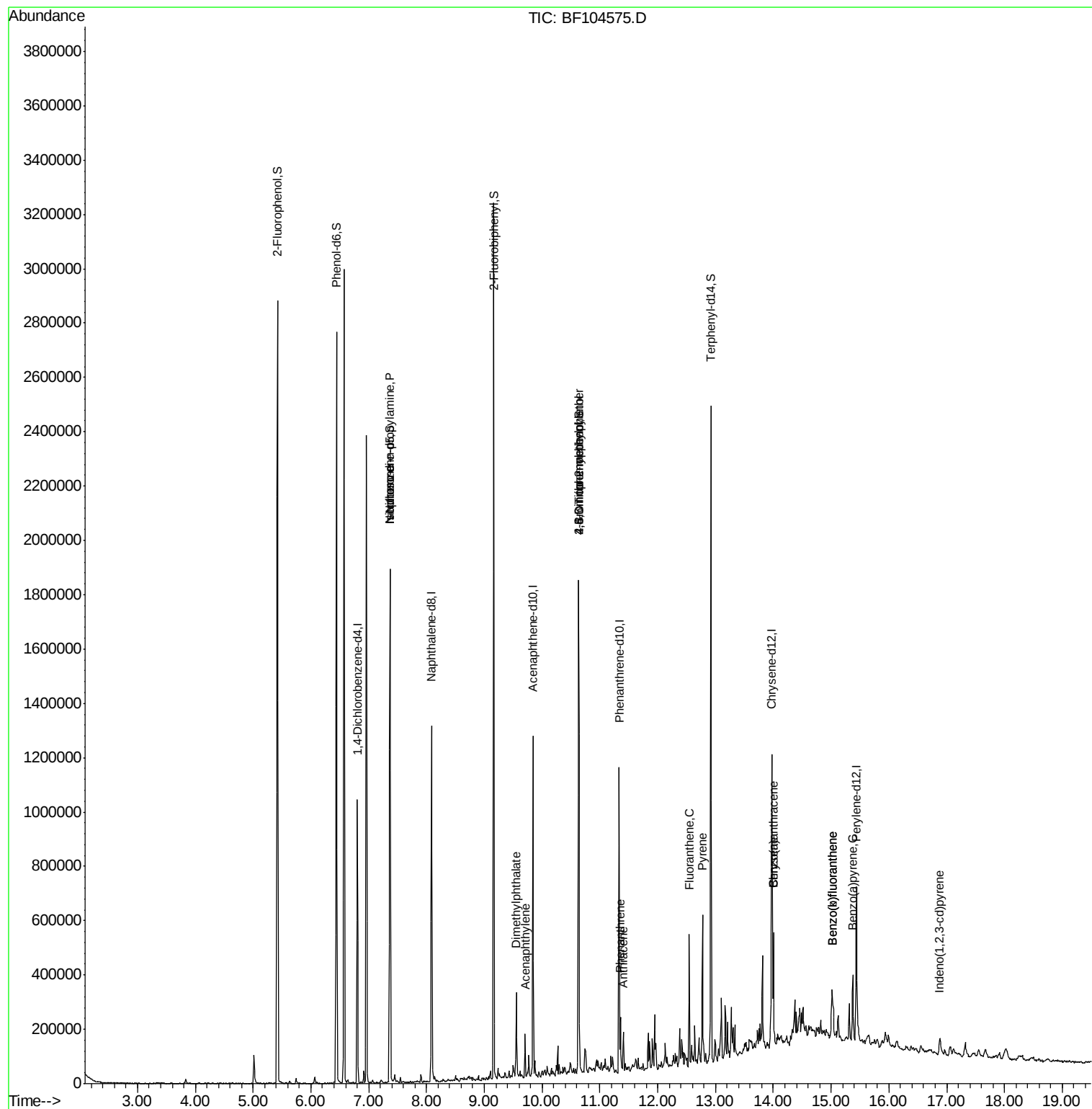
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1795	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	83408	11.298	ng	# 74
25) Isophorone	7.37	82	634554	34.971	ng	# 64
48) Acenaphthylene	9.70	152	54846	2.291	ng	100
49) Dimethylphthalate	9.56	163	99256	5.475	ng	99
64) 4,6-Dinitro-2-methylphenol	10.63	198	525	7.594	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13044	3.319	ng	# 1
70) Phenanthrene	11.36	178	69898	3.397	ng	98
71) Anthracene	11.40	178	52979	2.533	ng	99
74) Fluoranthene	12.54	202	158970	7.395	ng	99
76) Benzydine	12.92	184	9990	Below Cal		95
77) Pvrene	12.77	202	208237	9.386	ng	98
80) Benzo(a)anthracene	14.00	228	154274	8.627	ng	97
82) Chrysene	14.00	228	154274	8.399	ng	97
85) Indeno(1,2,3-cd)pyrene	16.88	276	35964	2.305	ng	97
87) Benzo(b)fluoranthene	15.02	252	139025	8.710	ng	# 97
88) Benzo(k)fluoranthene	15.02	252	139025	9.226	ng	97
89) Benzo(a)pyrene	15.37	252	108011	7.563	ng	95

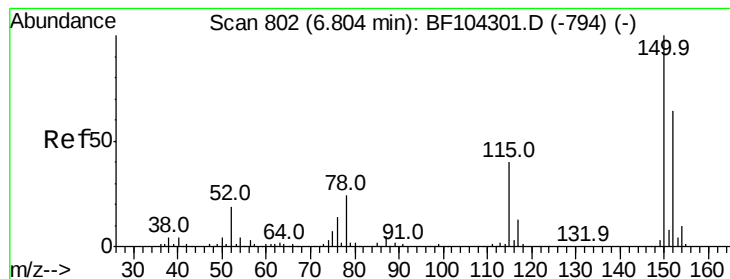
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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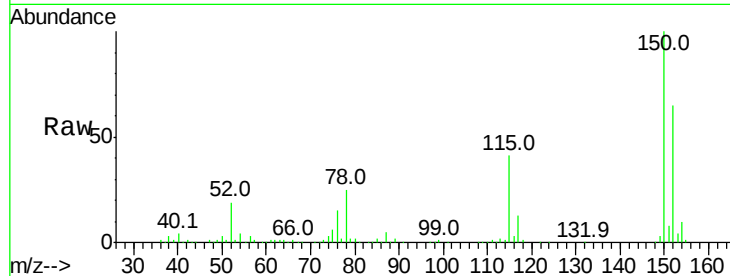


#1

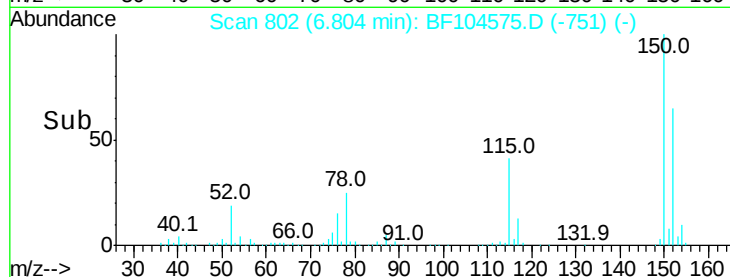
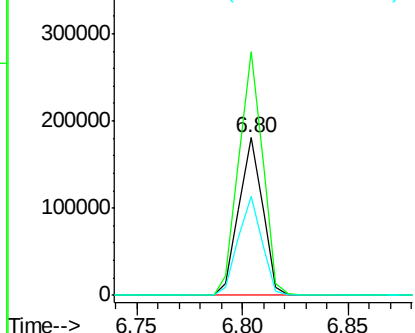
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140594
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 63.2 50.1 75.1



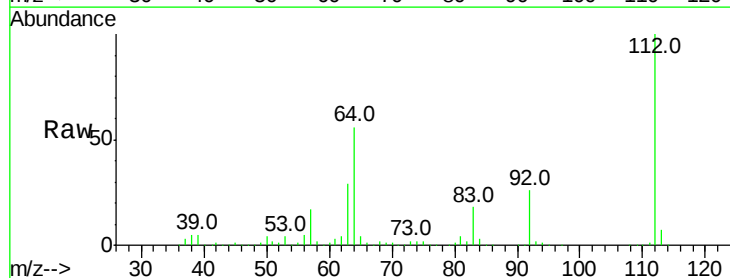
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



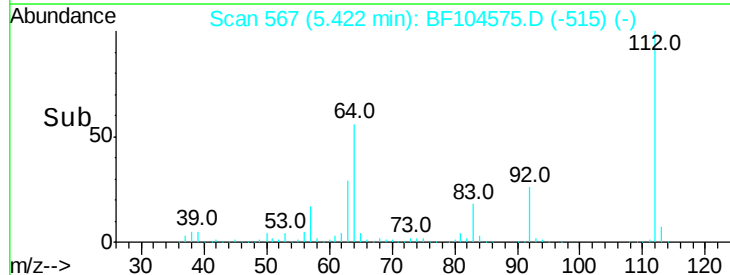
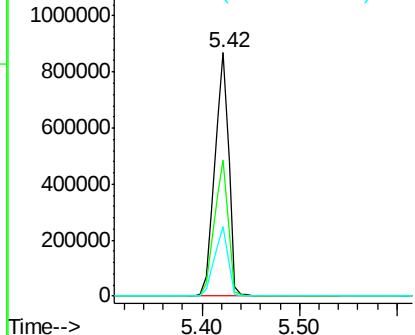
#5

2-Fluorophenol
Concen: 93.521 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Tgt Ion:112 Resp: 859907
Ion Ratio Lower Upper
112 100
64 55.9 47.9 71.9
63 28.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.031 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104575.D

Acq: 17 Apr 2018 21:29

Instrument :

BNA_F

ClientSampled :

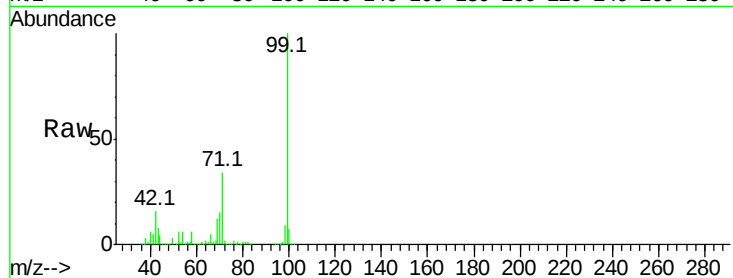
Tot Ion: 99 Resp: 1051011

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

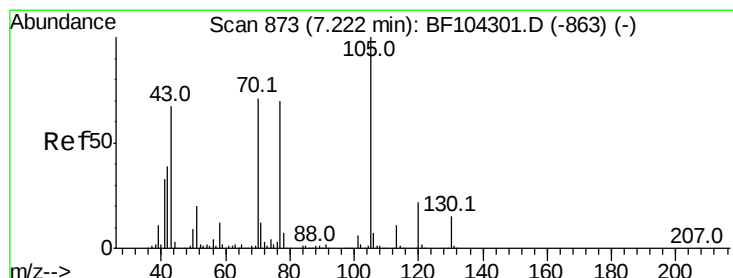
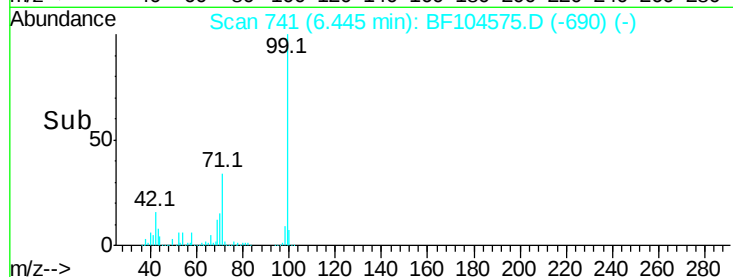
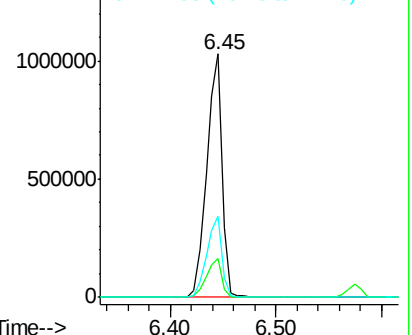
71 33.6 25.4 38.0



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: 11.298 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104575.D

Acq: 17 Apr 2018 21:29

Tgt Ion: 70 Resp: 83408

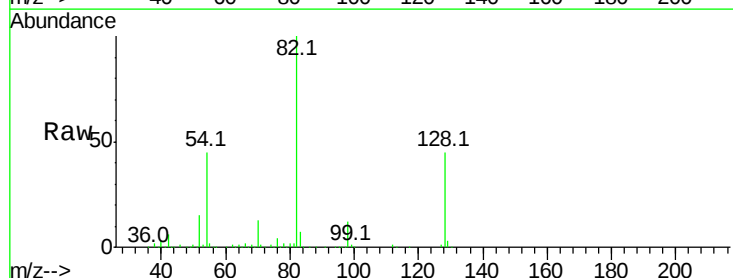
Ion Ratio Lower Upper

70 100

42 43.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

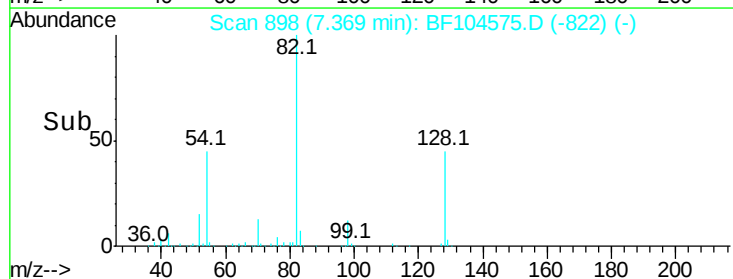
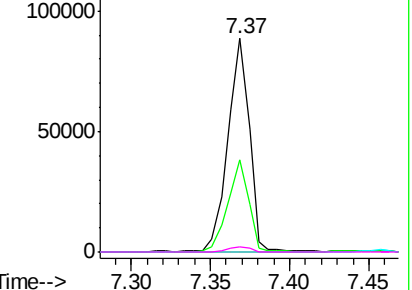


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

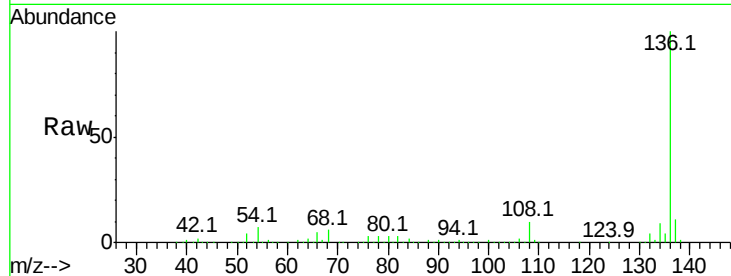




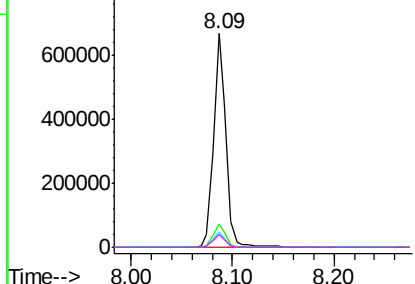
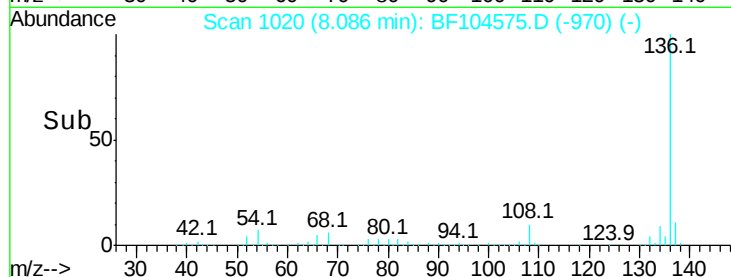
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	560301
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.2	6.6	9.8
68	6.3	5.0	7.4

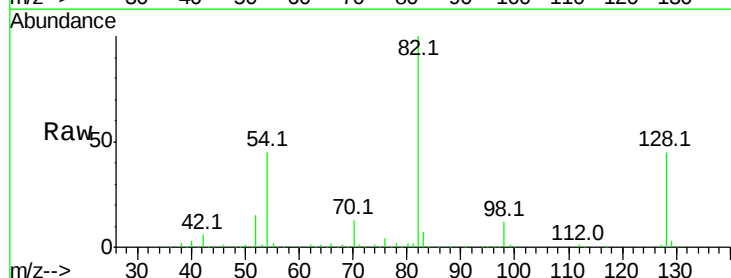


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

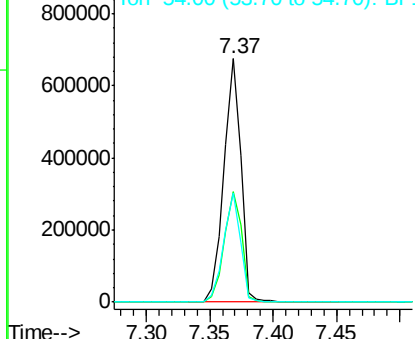
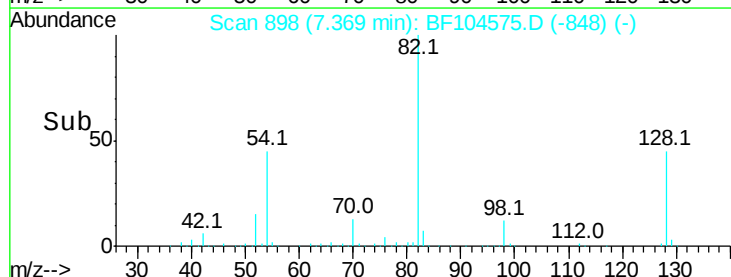


#23
Nitrobenzene-d5
Concen: 73.942 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Tgt Ion:	82	Resp:	634469
Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	44.9	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: 34.971 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104575.D

Acq: 17 Apr 2018 21:29

Instrument :

BNA_F

ClientSampled :

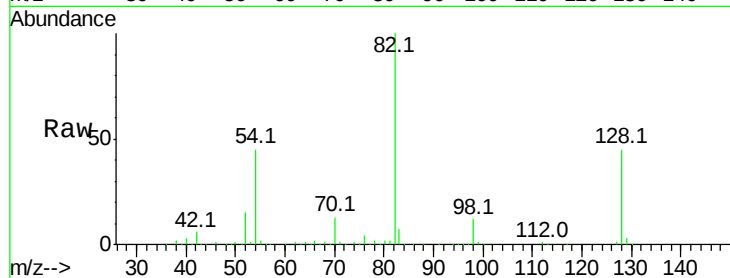
Tot Ion: 82 Resp: 634554

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

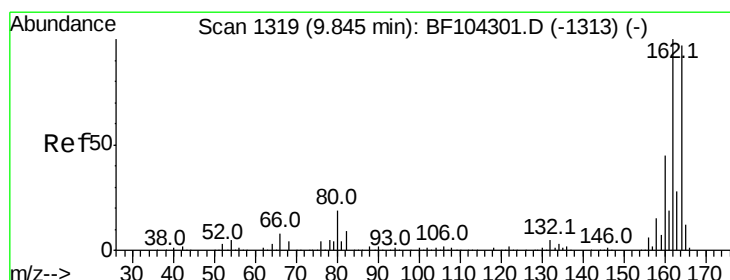
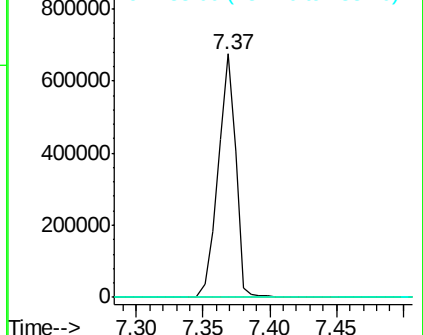
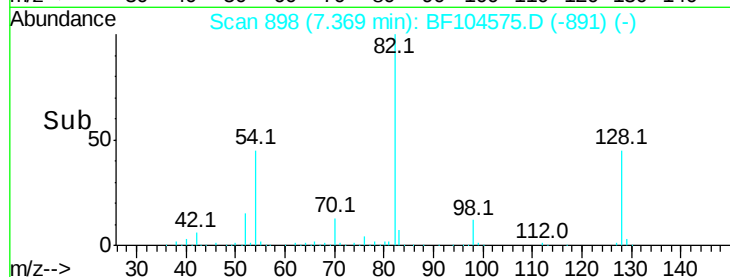
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104575.D

Acq: 17 Apr 2018 21:29

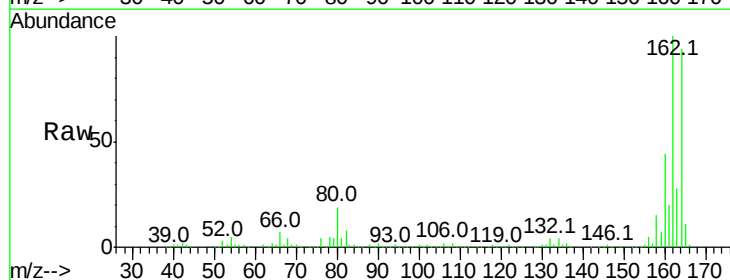
Tgt Ion:164 Resp: 229909

Ion Ratio Lower Upper

164 100

162 105.9 86.1 129.1

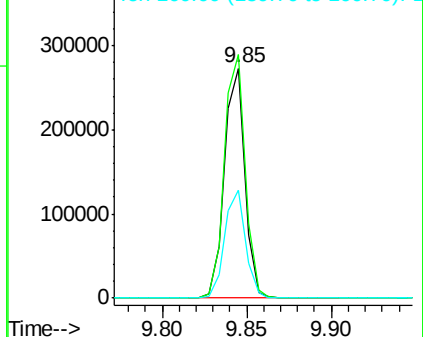
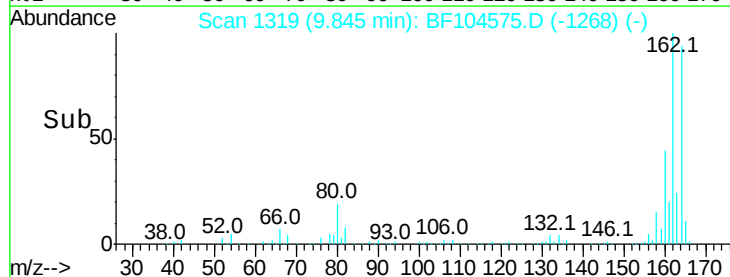
160 46.9 38.3 57.5

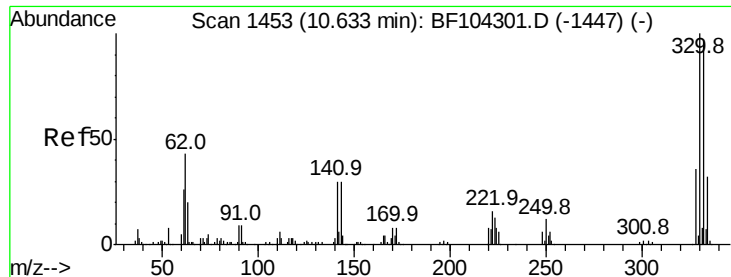


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

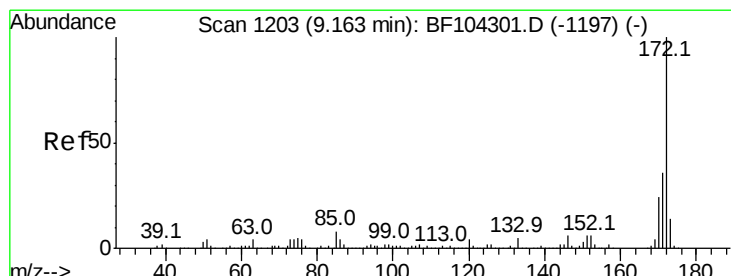
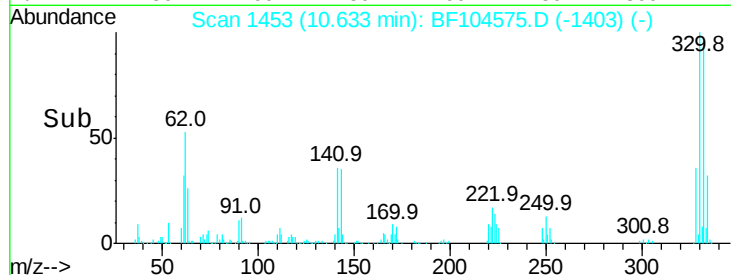
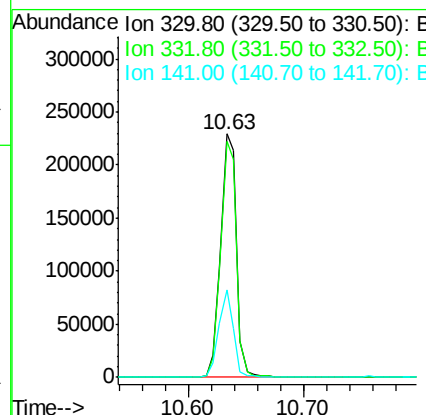
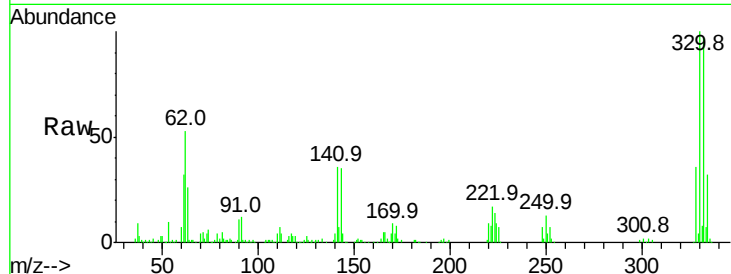




#41
 2,4,6-Tribromophenol
 Concen: 91.509 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104575.D
 Acq: 17 Apr 2018 21:29

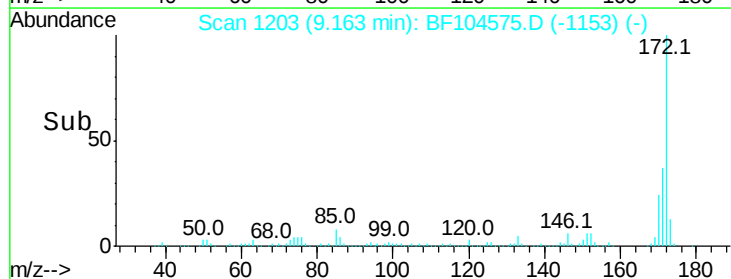
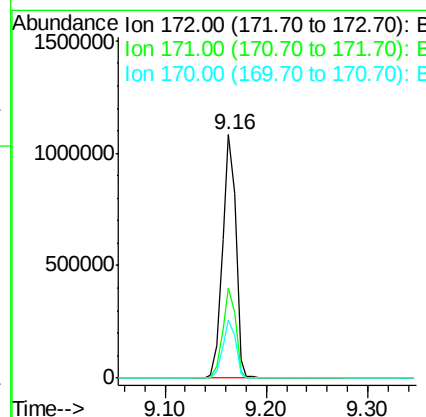
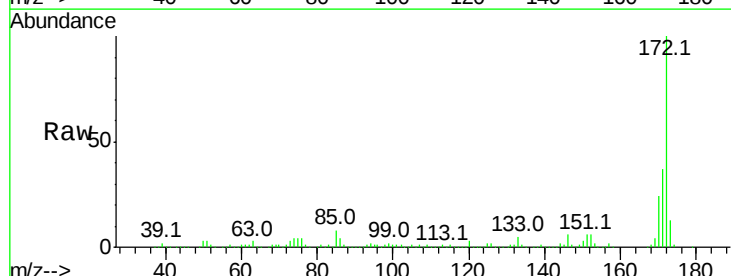
Instrument :
 BNA_F
 ClientSampleId :

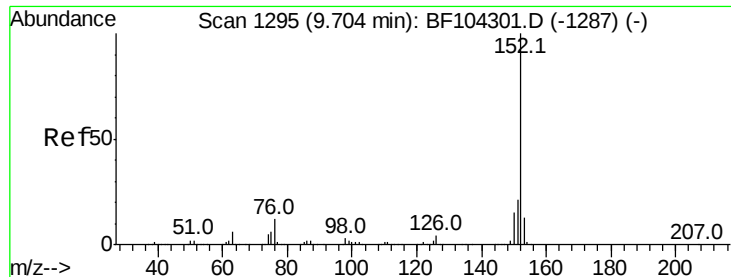
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	33.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 67.868 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104575.D
 Acq: 17 Apr 2018 21:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.1	19.6	29.4





#48

Acenaphthylene

Concen: 2.291 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104575.D

Acq: 17 Apr 2018 21:29

Instrument :

BNA_F

ClientSampleId :

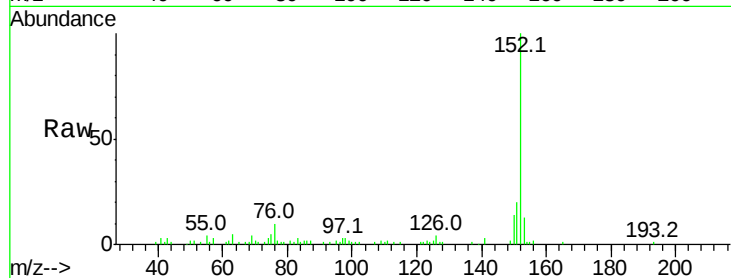
Tot Ion:152 Resp: 54846

Ion Ratio Lower Upper

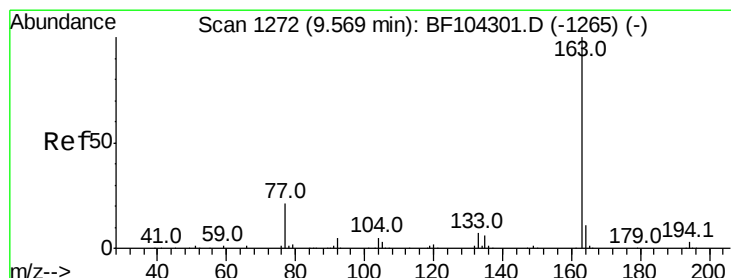
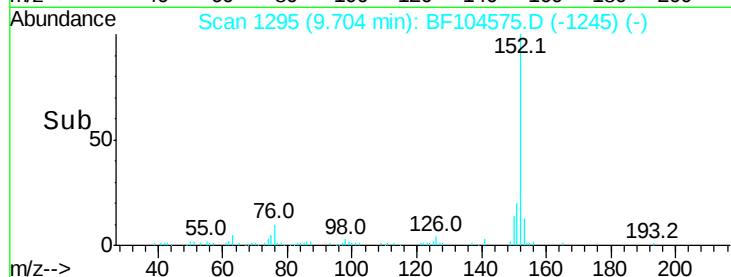
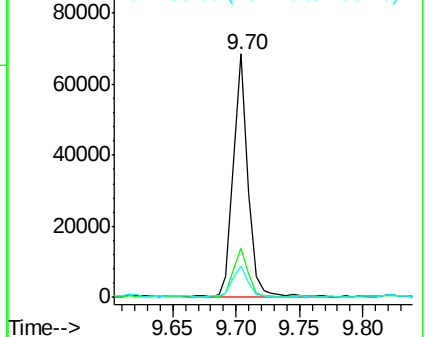
152 100

151 20.4 16.3 24.5

153 13.0 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.475 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104575.D

Acq: 17 Apr 2018 21:29

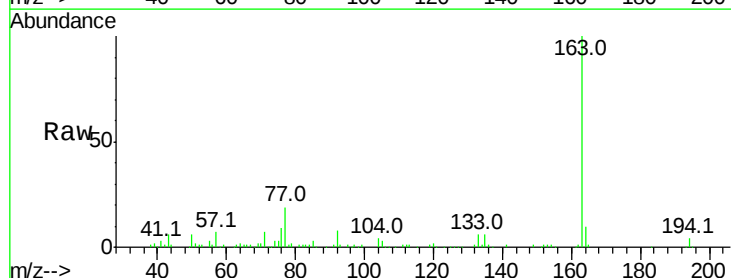
Tgt Ion:163 Resp: 99256

Ion Ratio Lower Upper

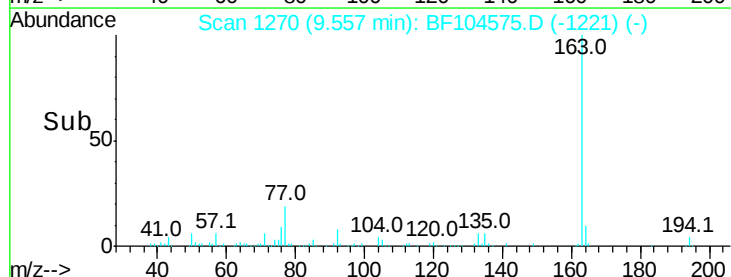
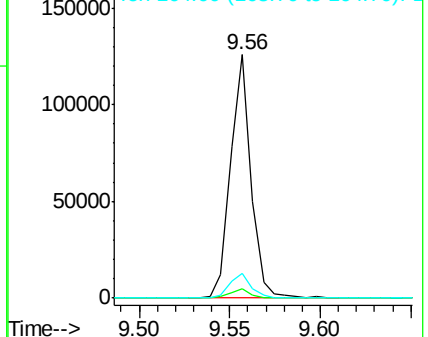
163 100

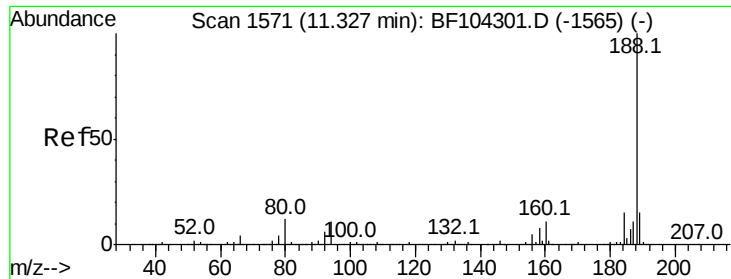
194 3.6 2.7 4.1

164 10.0 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

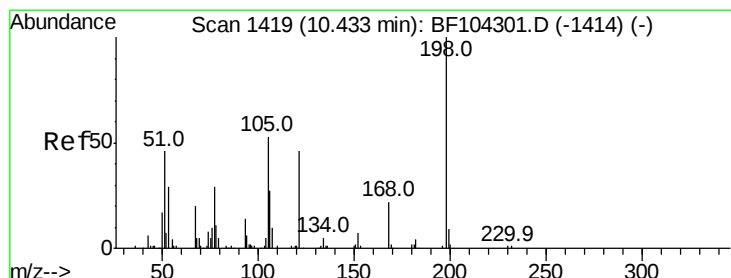
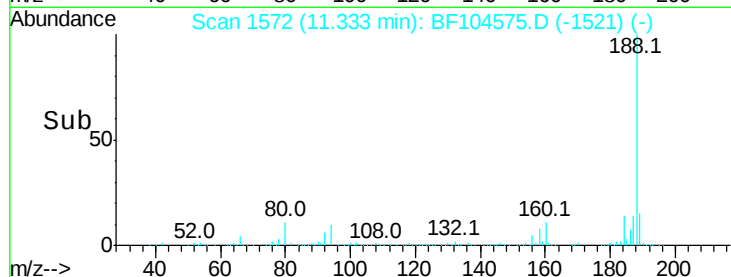
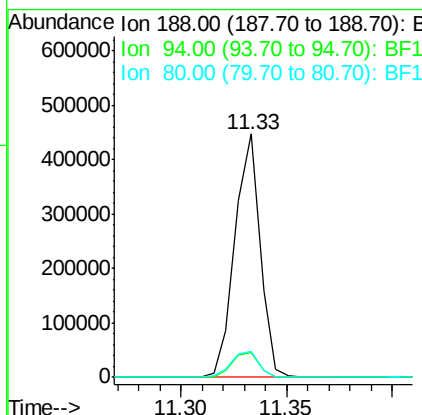
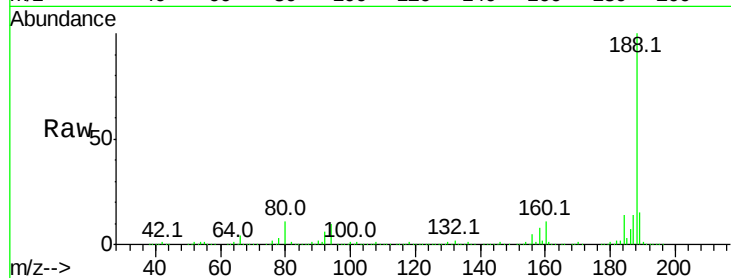




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104575.D
 Acq: 17 Apr 2018 21:29

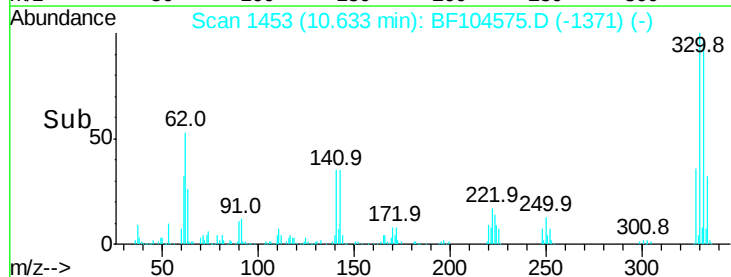
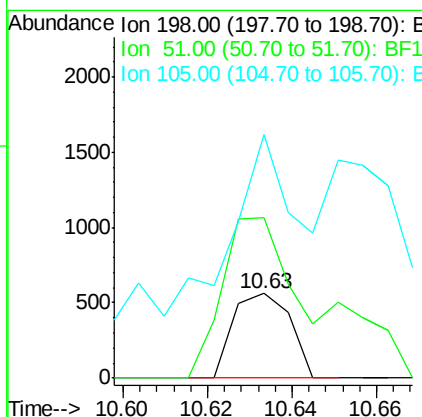
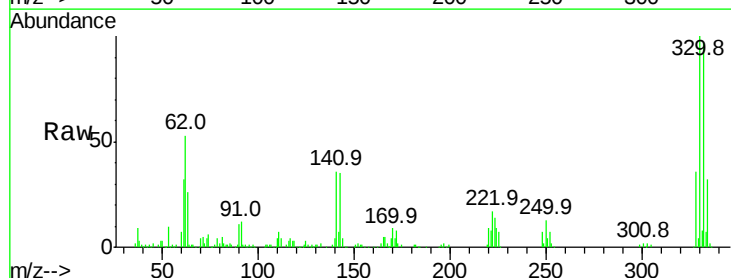
Instrument :
 BNA_F
 ClientSampleId :

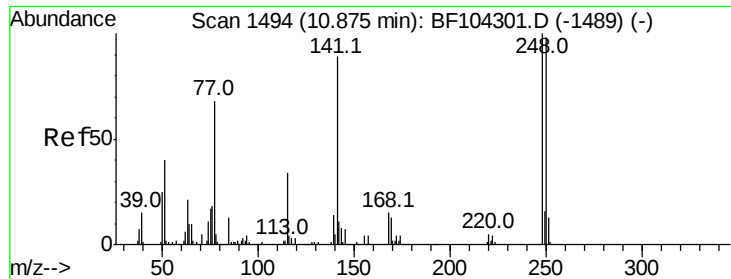
Tot Ion:188 Resp: 369443
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 10.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.594 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104575.D
 Acq: 17 Apr 2018 21:29

Tgt Ion:198 Resp: 525
 Ion Ratio Lower Upper
 198 100
 51 189.6 37.7 77.7#
 105 288.9 36.3 76.3#

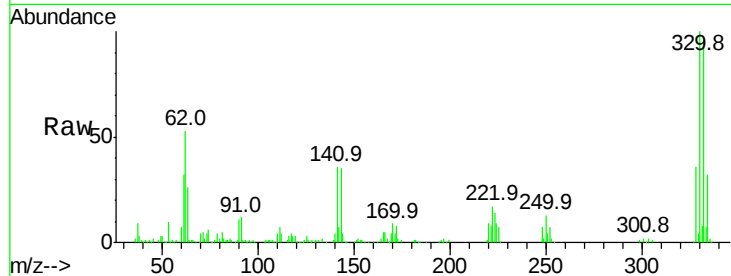




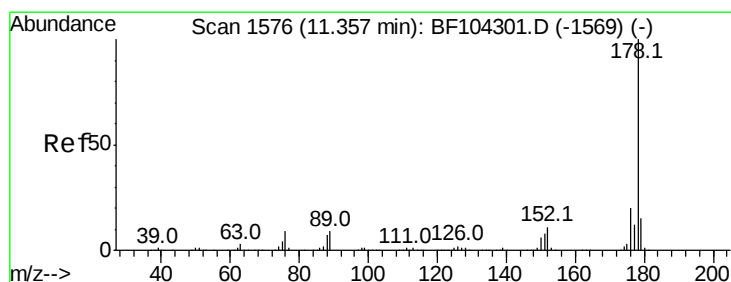
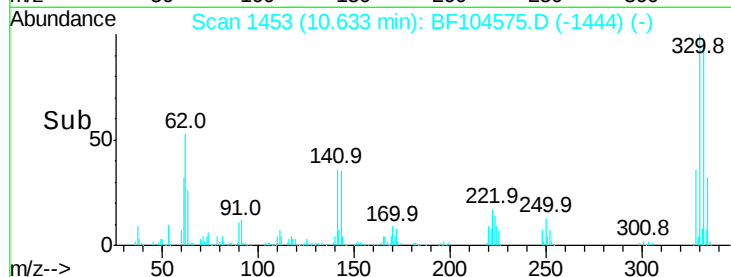
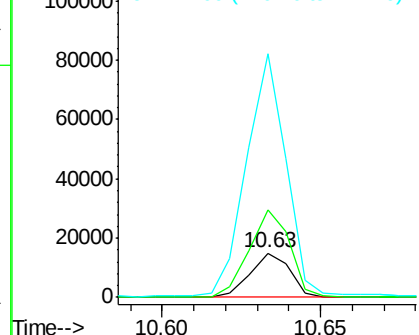
#66
4-Bromophenyl-phenylether
Concen: 3.319 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13044
Ion Ratio Lower Upper
248 100
250 196.8 76.9 115.3#
141 550.9 74.4 111.6#

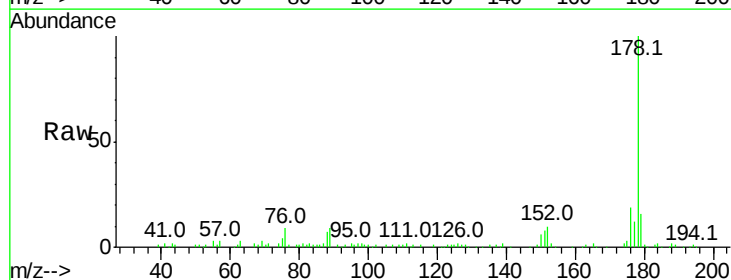


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

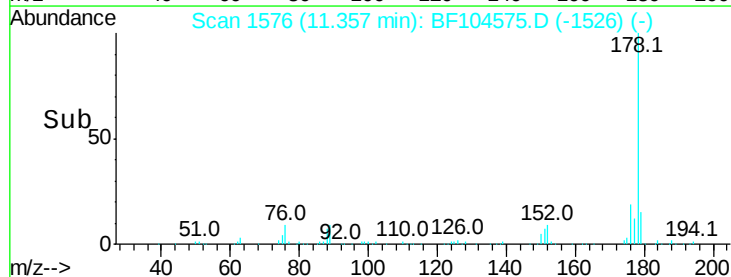
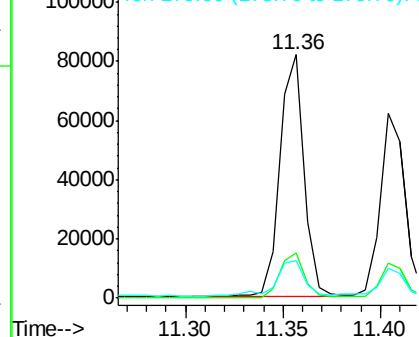


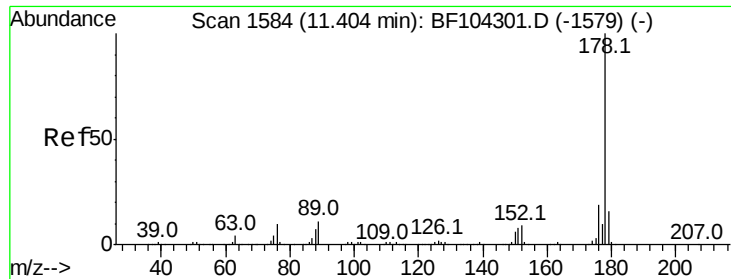
#70
Phenanthrene
Concen: 3.397 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Tgt Ion:178 Resp: 69898
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.7 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

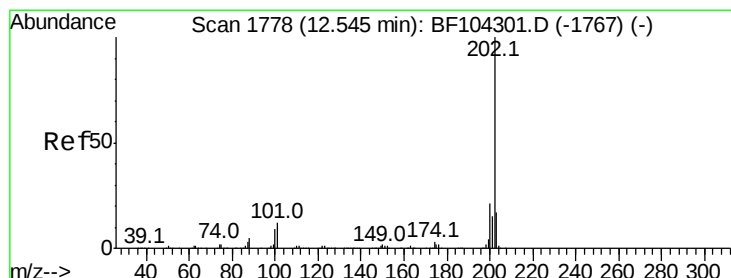
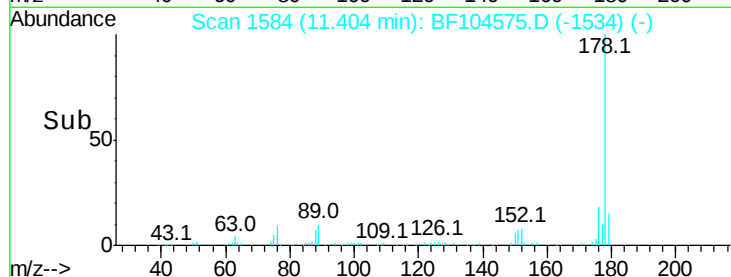
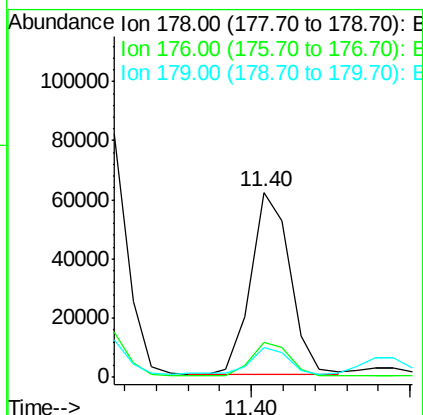
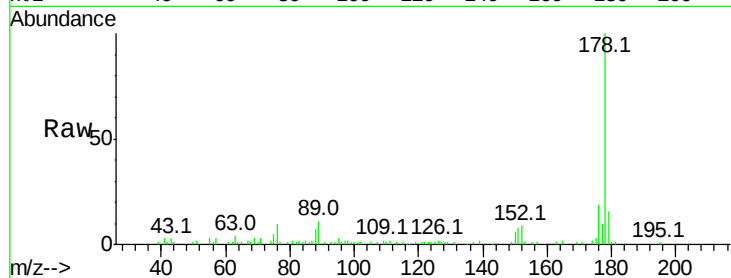




#71
 Anthracene
 Concen: 2.533 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104575.D
 Acq: 17 Apr 2018 21:29

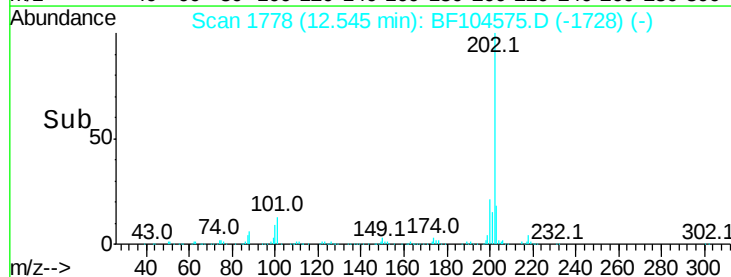
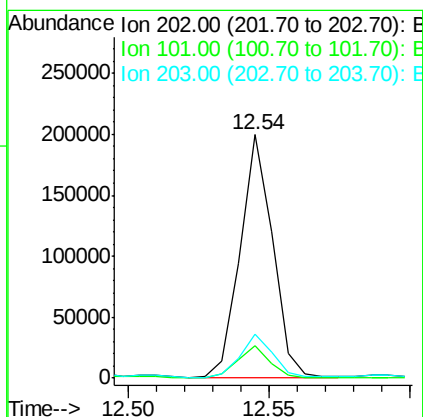
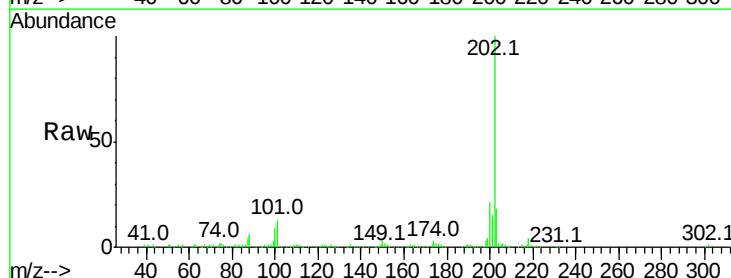
Instrument :
 BNA_F
 ClientSampled :

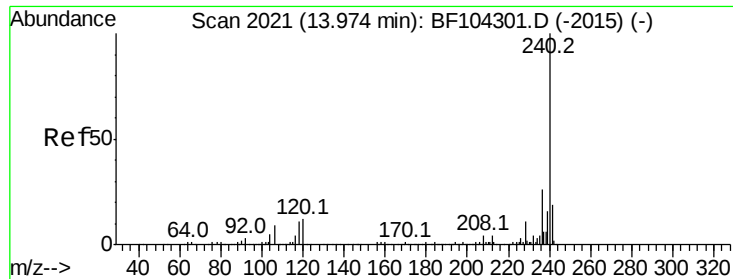
Tot Ion:178 Resp: 52979
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 16.2 12.6 19.0



#74
 Fluoranthene
 Concen: 7.395 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104575.D
 Acq: 17 Apr 2018 21:29

Tgt Ion:202 Resp: 158970
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 34.1
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF104575.D

Acq: 17 Apr 2018 21:29

Instrument :

BNA_F

ClientSampleId :

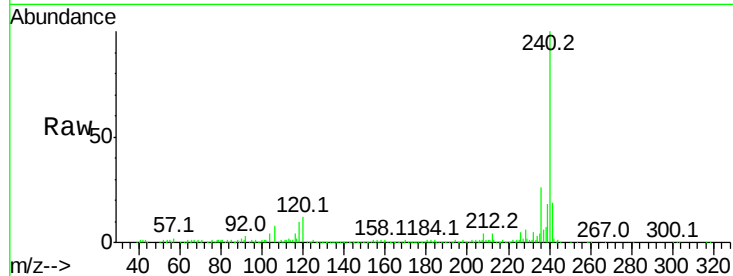
Tot Ion:240 Resp: 299325

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

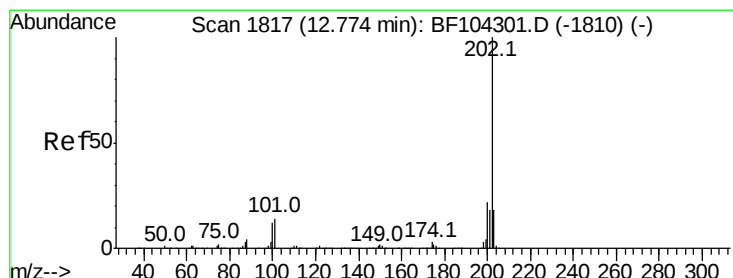
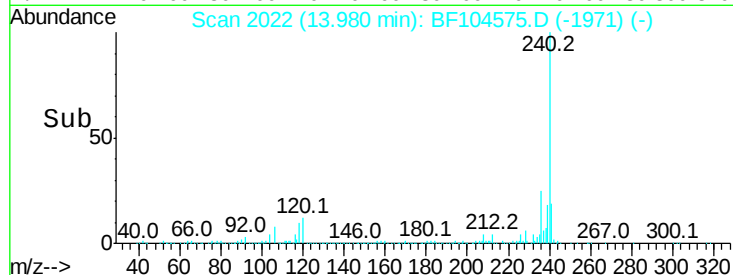
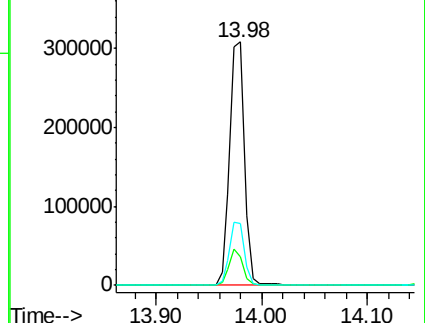
236 25.6 20.7 31.1



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: 9.386 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104575.D

Acq: 17 Apr 2018 21:29

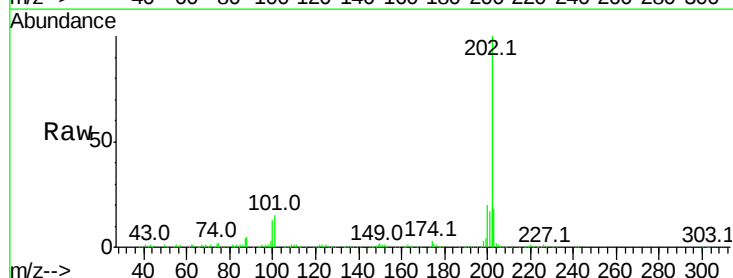
Tgt Ion:202 Resp: 208237

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

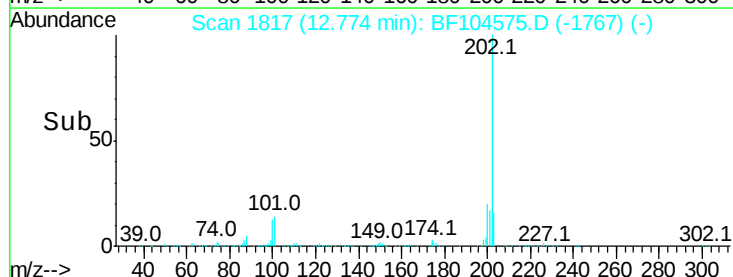
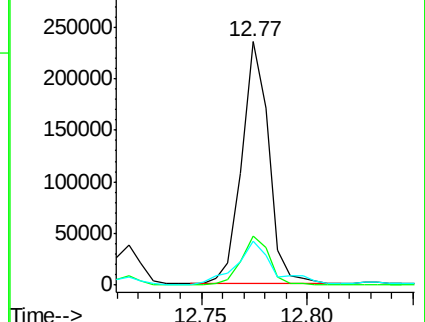
203 18.2 14.3 21.5

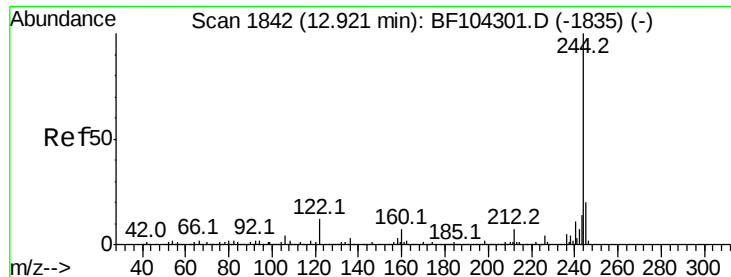


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



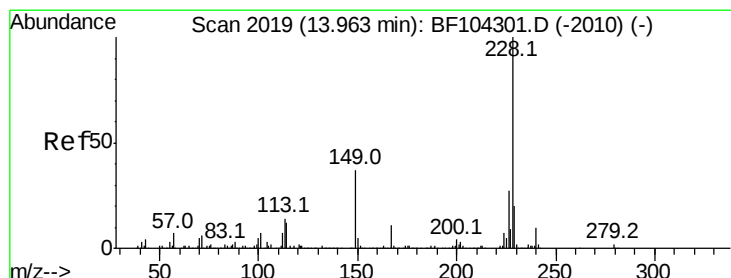
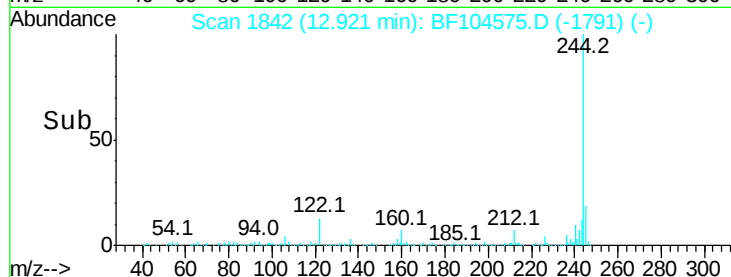
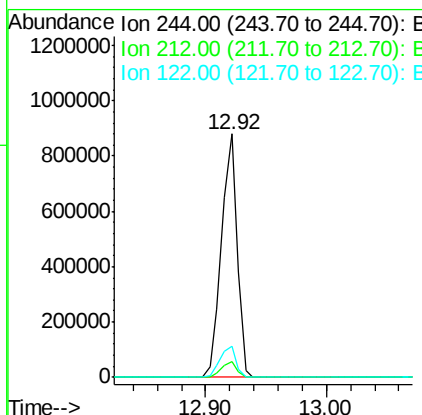
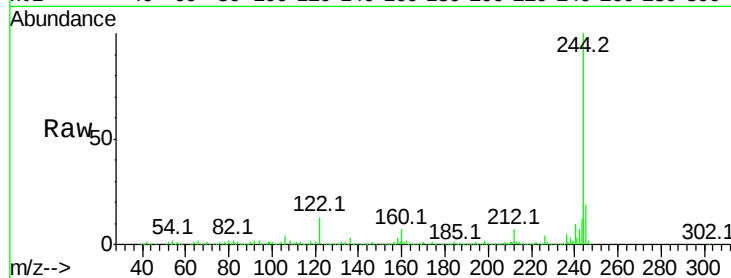


#78
 Terphenyl-d14
 Concen: 60.026 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF104575.D
 Acq: 17 Apr 2018 21:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 788099

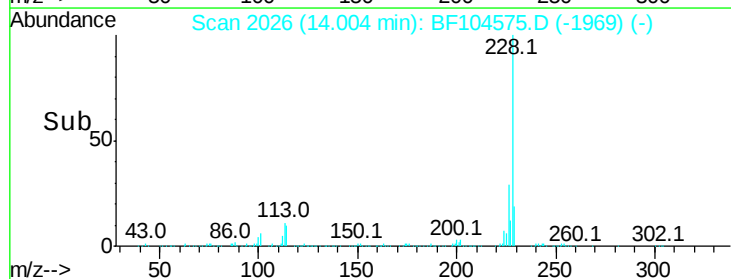
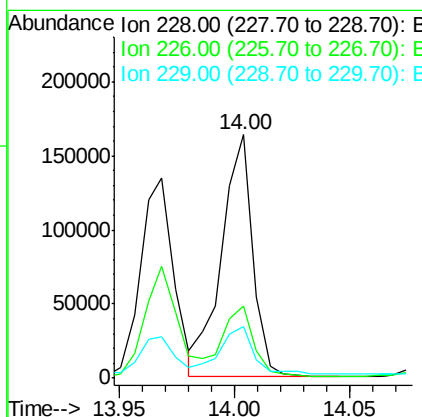
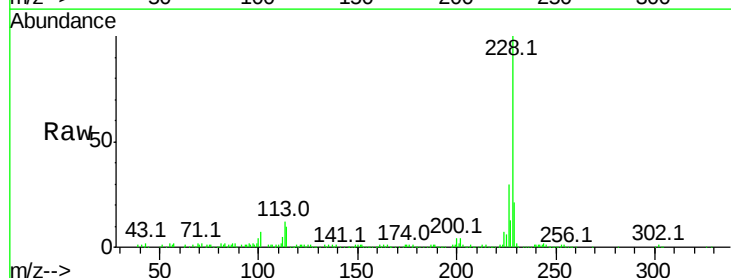
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.6	11.0	16.4

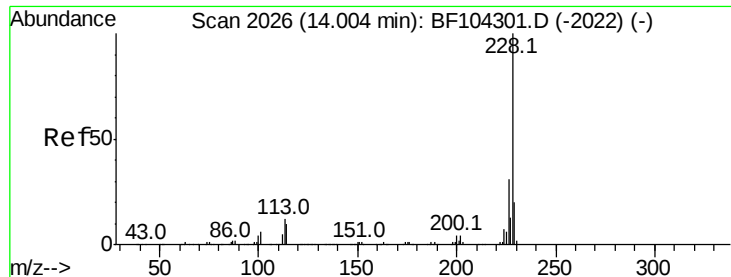


#80
 Benzo(a)anthracene
 Concen: 8.627 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.04 min
 Lab File: BF104575.D
 Acq: 17 Apr 2018 21:29

Tgt Ion:228 Resp: 154274

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	21.2	15.8	23.6

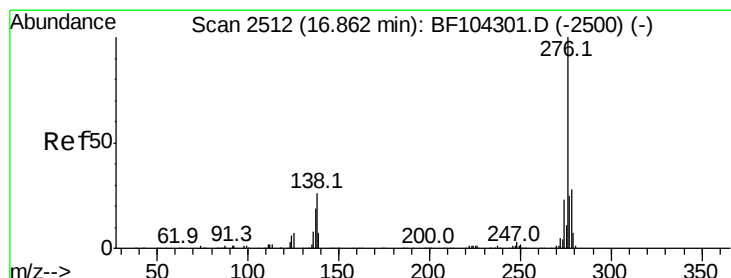
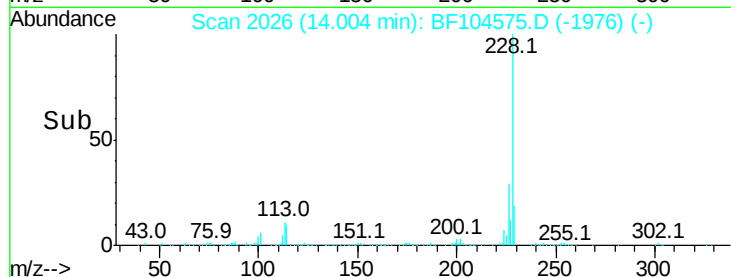
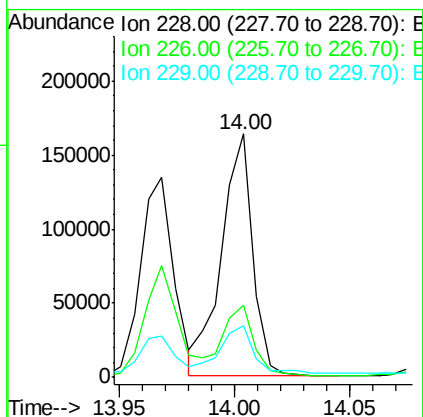
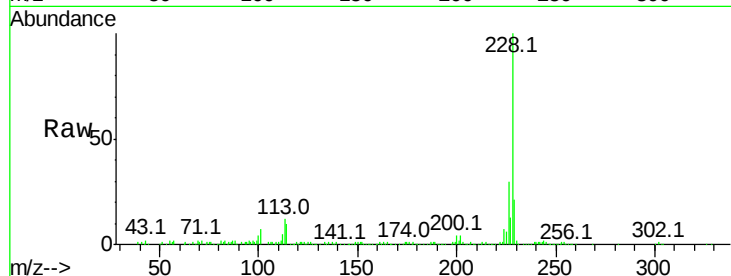




#82
Chrysene
Concen: 8.399 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

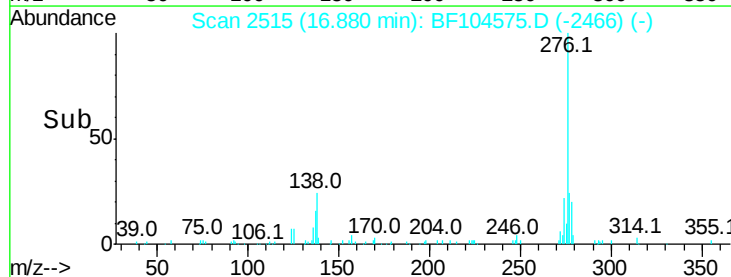
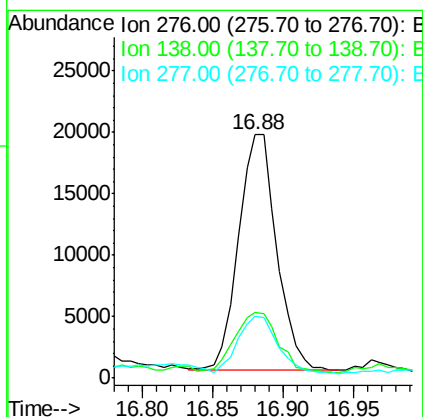
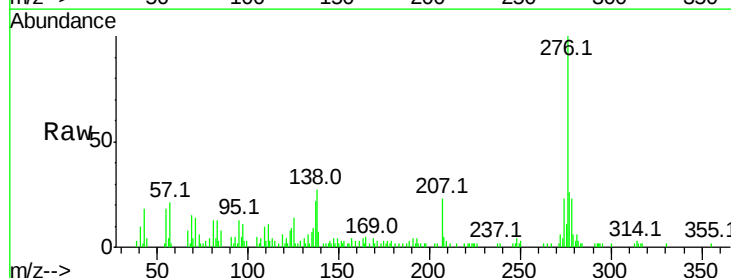
Instrument :
BNA_F
ClientSampleId :

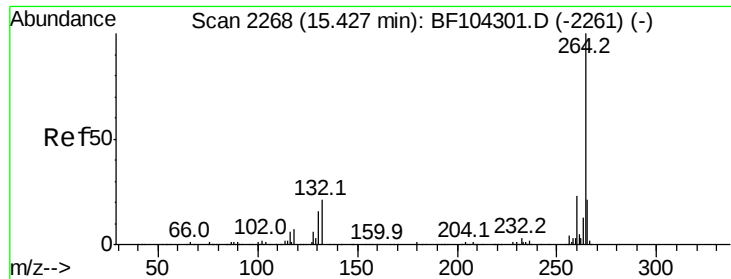
Tot Ion:228 Resp: 154274
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 21.2 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.305 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Tgt Ion:276 Resp: 35964
Ion Ratio Lower Upper
276 100
138 29.7 25.0 37.6
277 26.7 20.1 30.1



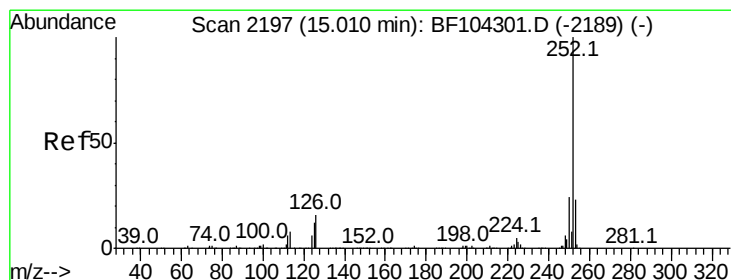
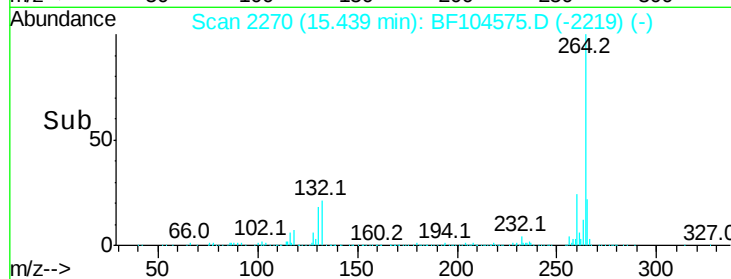
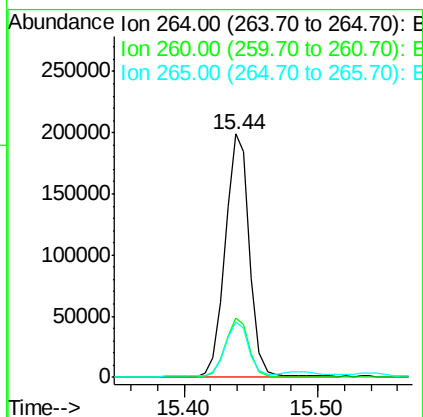
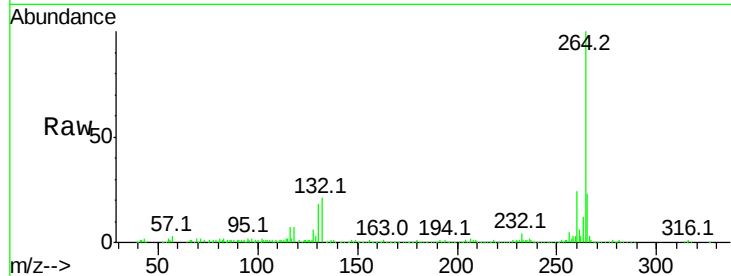


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 252711

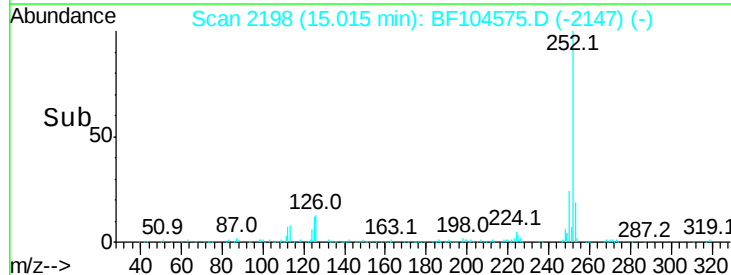
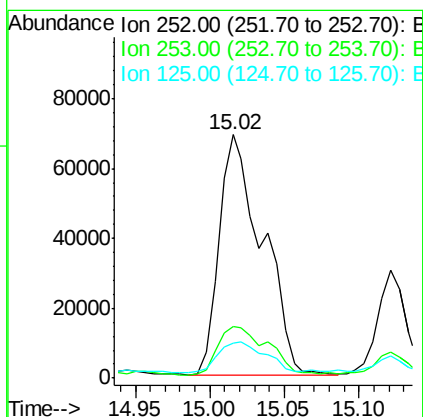
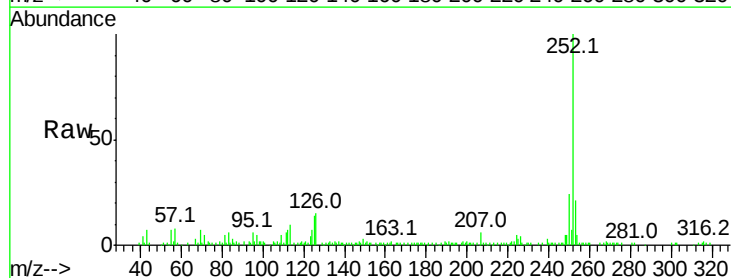
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	17.5	26.3

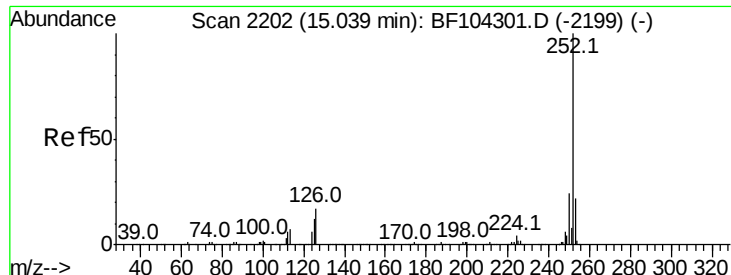


#87
Benzo(b)fluoranthene
Concen: 8.710 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Tgt Ion:252 Resp: 139025

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	14.3	9.0	13.6

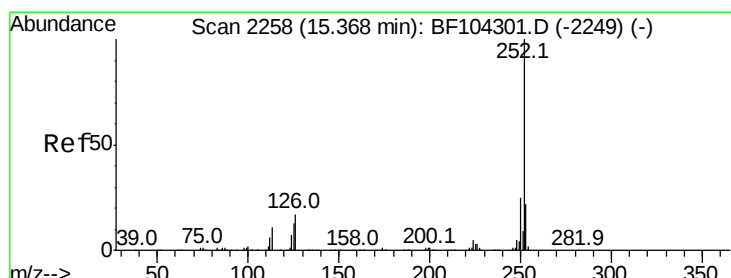
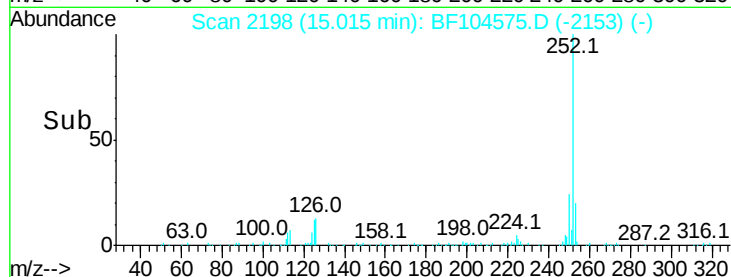
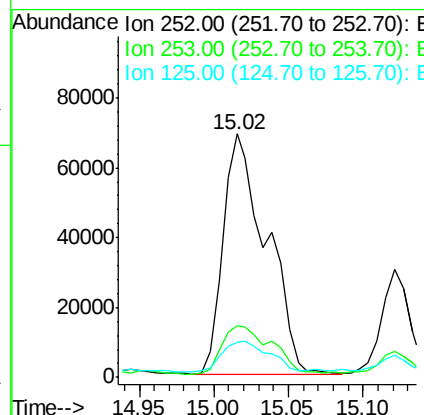
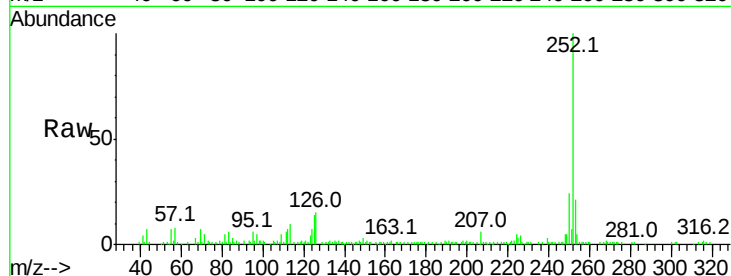




#88
Benzo(k)fluoranthene
Concen: 9.226 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	14.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 7.563 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104575.D
Acq: 17 Apr 2018 21:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	14.1	9.8	14.6

