

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104752.D
 Acq On : 24 Apr 2018 13:26
 Operator : JU/SJ
 Sample : J2493-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

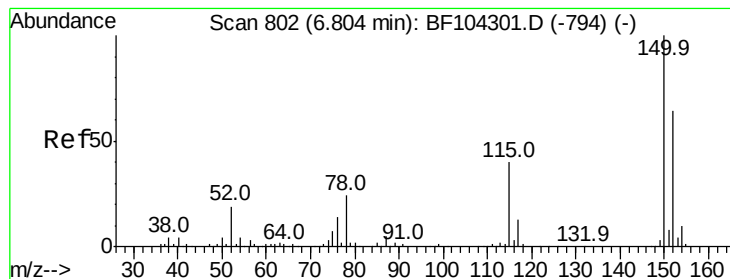
Quant Time: Apr 24 21:53:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	106504	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	431705	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	208035	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	386941	20.00	ng	0.00
75) Chrysene-d12	13.99	240	411751	20.00	ng	0.00
86) Perylene-d12	15.46	264	316843	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	599753	86.11	ng	0.02
7) Phenol-d6	6.45	99	733113	85.66	ng	0.00
23) Nitrobenzene-d5	7.37	82	445997	67.46	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	189390	87.76	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	583246	44.29	ng	0.00
78) Terphenyl-d14	12.93	244	1126662	62.38	ng	0.01

Target Compounds				Qvalue		
9) Benzaldehyde	6.45	77	1540	Below Cal	#	1
10) Phenol	6.46	94	35897	3.953	ng	98
19) n-Nitroso-di-n-propylamine	7.37	70	59207	10.587	ng	# 73
25) Isophorone	7.37	82	445991	31.901	ng	# 64
49) Dimethylphthalate	9.56	163	80883	4.930	ng	99
55) 4-Nitrophenol	10.00	139	5840	2.092	ng	# 38
59) Diethylphthalate	10.26	149	397057	24.302	ng	99
61) 4-Nitroaniline	10.42	138	10681	3.074	ng	94
64) 4,6-Dinitro-2-methylphenol	10.39	198	108	7.396	ng	# 1
72) Carbazole	11.57	167	54381	2.541	ng	# 94
73) Di-n-butylphthalate	11.89	149	61284	2.344	ng	# 94
74) Fluoranthene	12.56	202	72809	3.234	ng	98
76) Benzidine	12.86	184	463	Below Cal	#	1
77) Pyrene	12.79	202	78483	2.571	ng	98
79) Butylbenzylphthalate	13.40	149	54386	3.782	ng	96
80) Benzo(a)anthracene	13.98	228	110092	4.476	ng	99
82) Chrysene	14.02	228	106764	4.226	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	77948	4.215	ng	99
84) Di-n-octyl phthalate	14.58	149	91940	2.975	ng	# 96
87) Benzo(b)fluoranthene	15.06	252	67731	3.385	ng	98
88) Benzo(k)fluoranthene	15.06	252	67731	3.585	ng	98
89) Benzo(a)pyrene	15.40	252	51141	2.856	ng	# 93

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

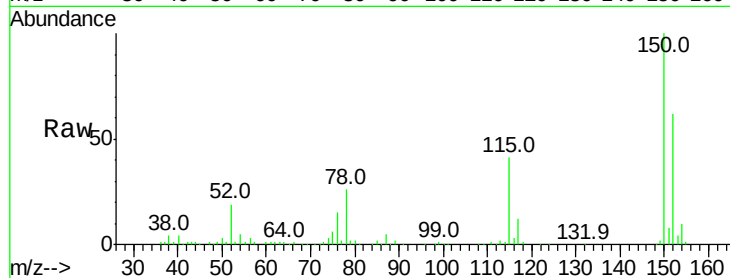


#1

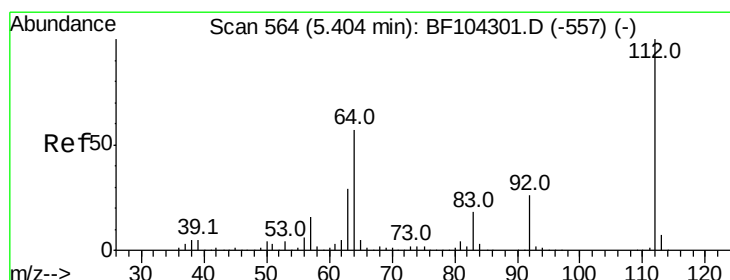
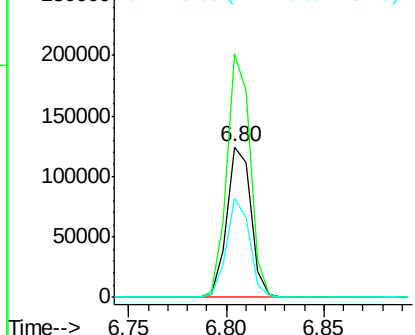
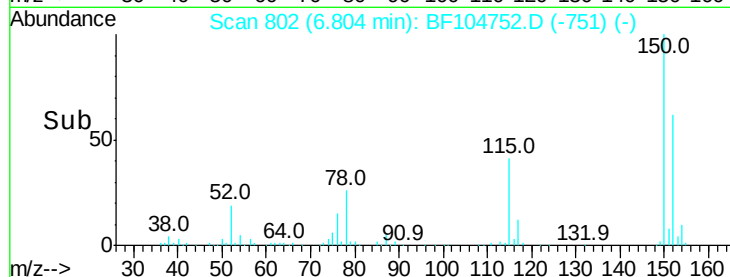
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF104752.D
 Acq: 24 Apr 2018 13:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 106504
 Ion Ratio Lower Upper
 152 100
 150 162.1 124.6 186.8
 115 65.7 50.1 75.1



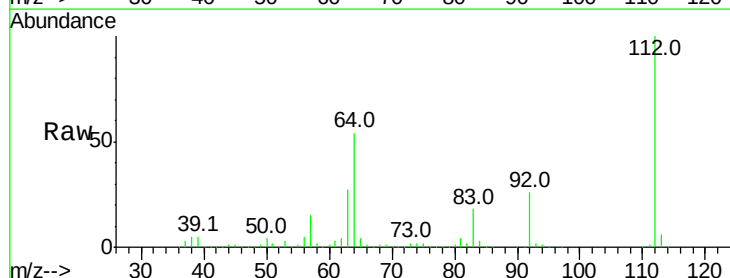
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



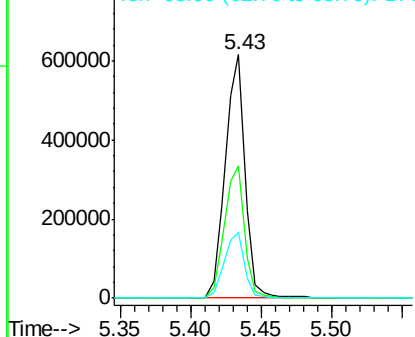
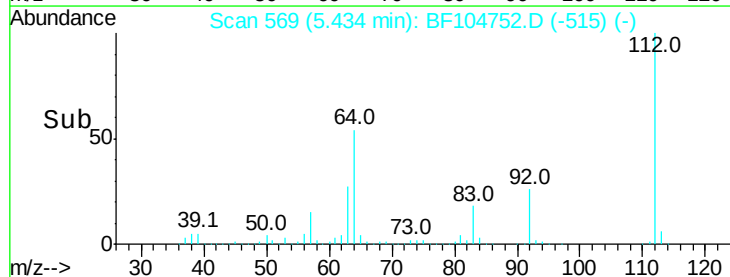
#5

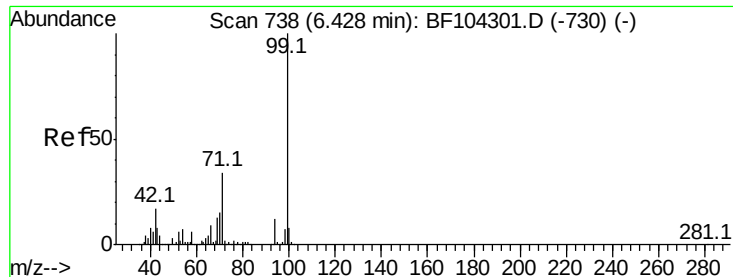
2-Fluorophenol
 Concen: 86.105 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.02 min
 Lab File: BF104752.D
 Acq: 24 Apr 2018 13:26

Tgt Ion:112 Resp: 599753
 Ion Ratio Lower Upper
 112 100
 64 54.2 47.9 71.9
 63 27.2 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: 85.663 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Instrument :

BNA_F

ClientSampled :

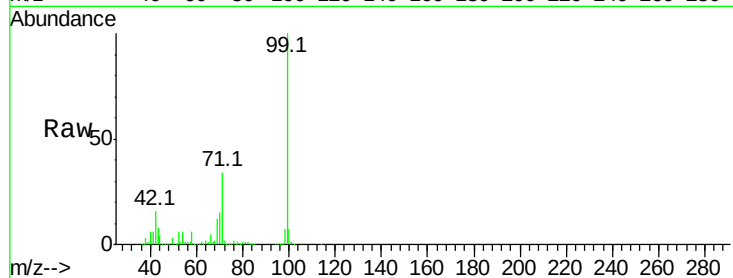
Tot Ion: 99 Resp: 733113

Ion Ratio Lower Upper

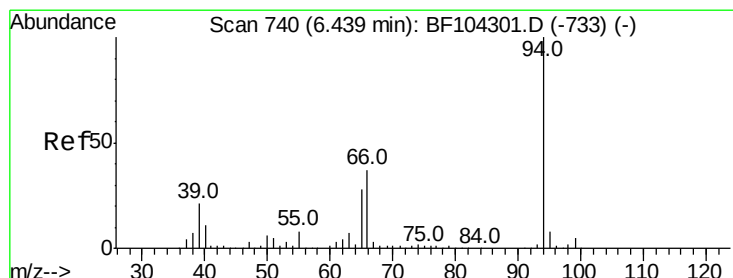
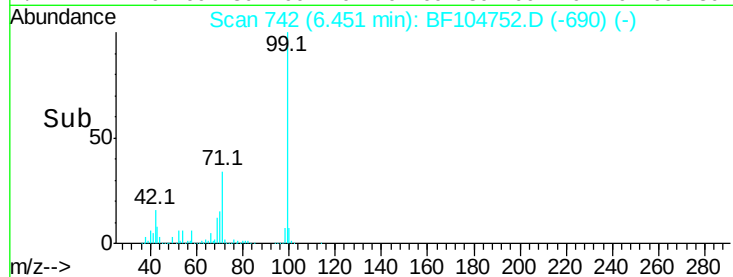
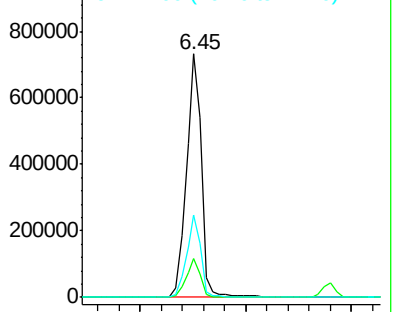
99 100

42 15.7 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



#10

Phenol

Concen: 3.953 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

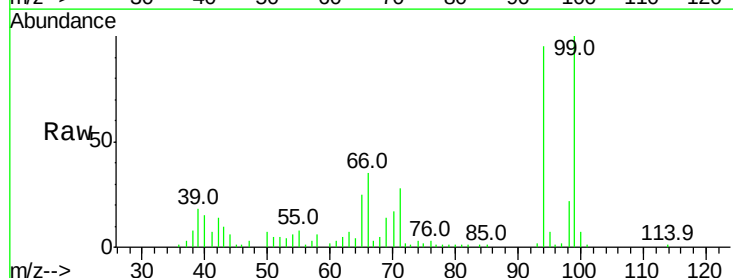
Tgt Ion: 94 Resp: 35897

Ion Ratio Lower Upper

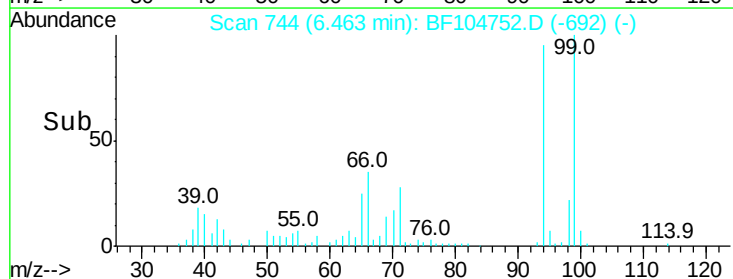
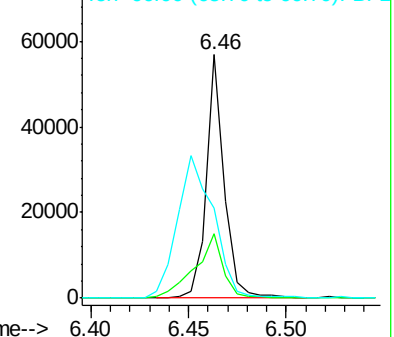
94 100

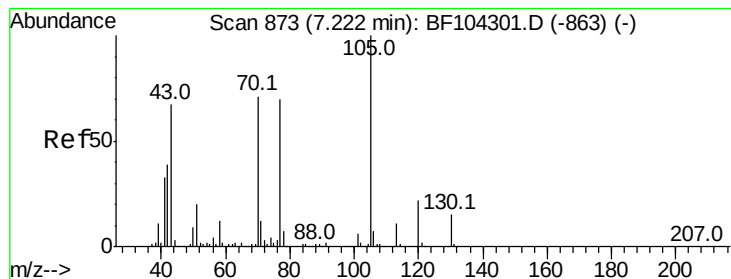
65 26.3 7.9 47.9

66 37.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.587 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 59207

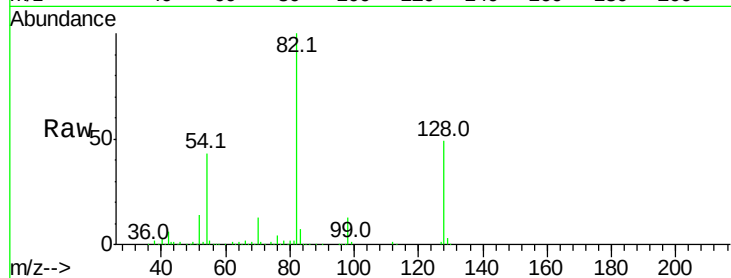
Ion Ratio Lower Upper

70 100

42 42.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

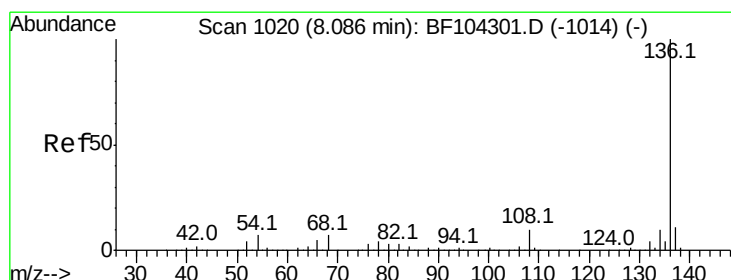
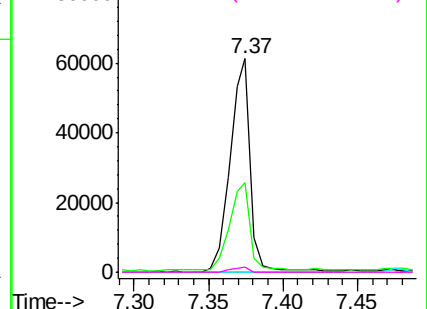
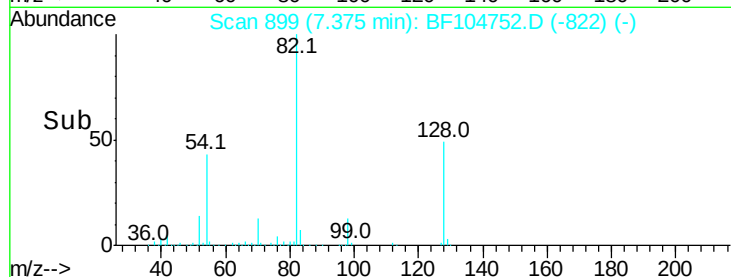


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1021

Delta R.T. -0.00 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Tgt Ion:136 Resp: 431705

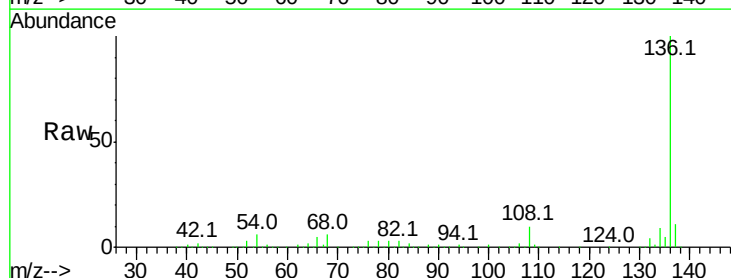
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.4 6.6 9.8#

68 5.9 5.0 7.4

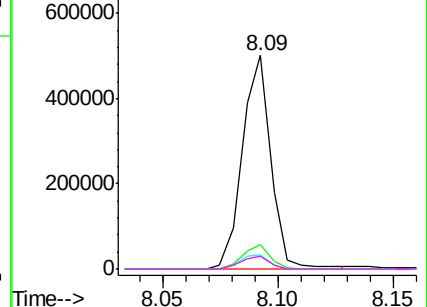
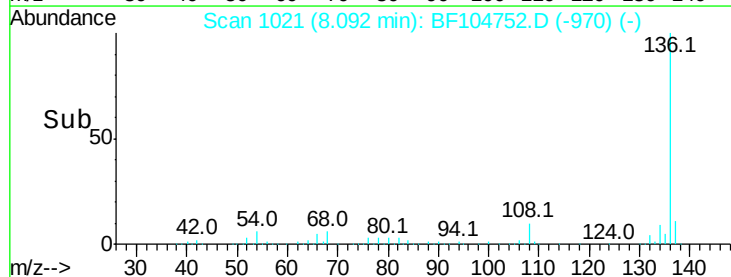


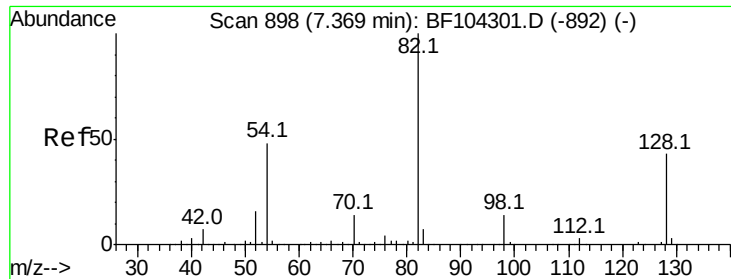
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

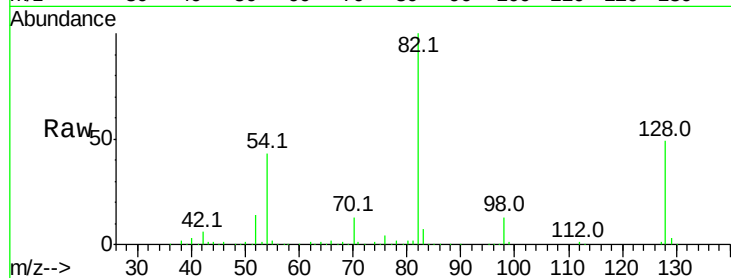




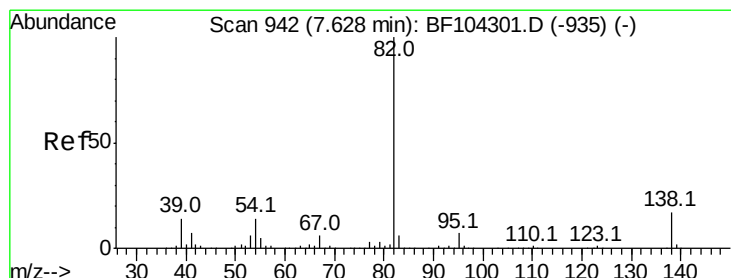
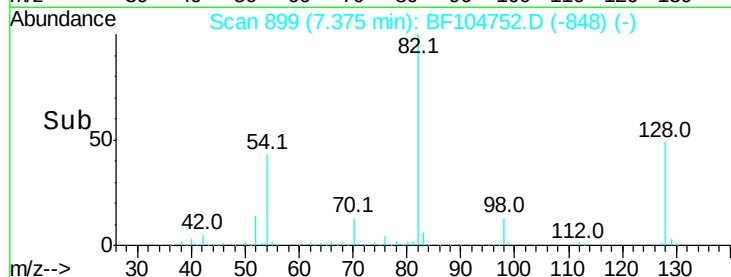
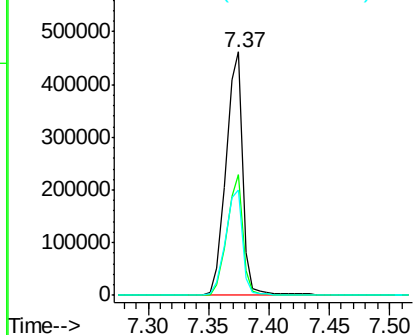
#23
Nitrobenzene-d5
Concen: 67.460 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 445997
Ion Ratio Lower Upper
82 100
128 49.4 36.1 54.1
54 43.2 41.4 62.2

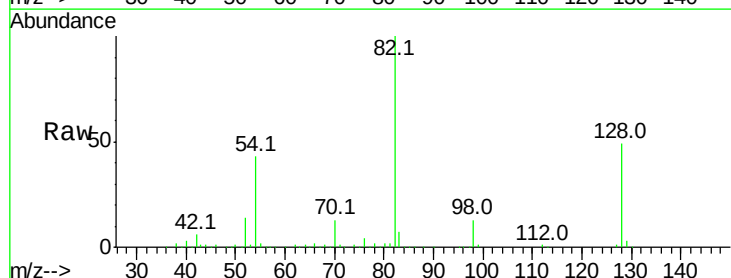


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

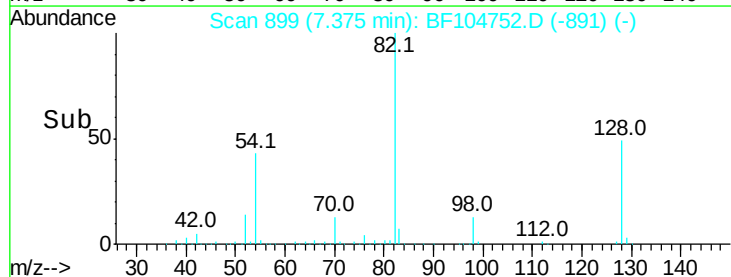
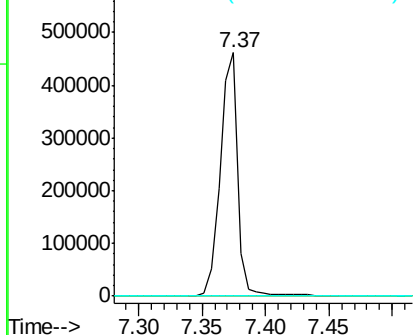


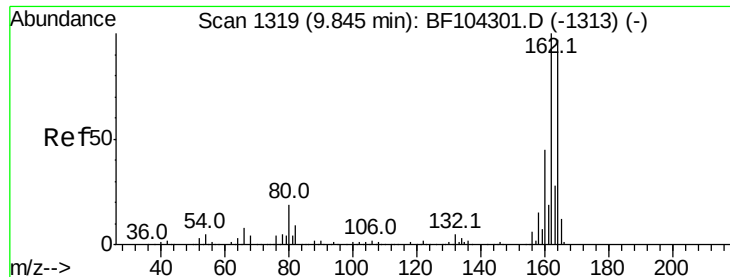
#25
Isophorone
Concen: 31.901 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.25 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion: 82 Resp: 445991
Ion Ratio Lower Upper
82 100
95 0.1 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# 1320

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Instrument :

BNA_F

ClientSampleId :

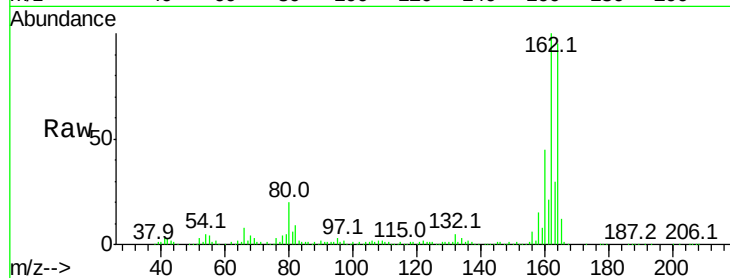
Tot Ion:164 Resp: 208035

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

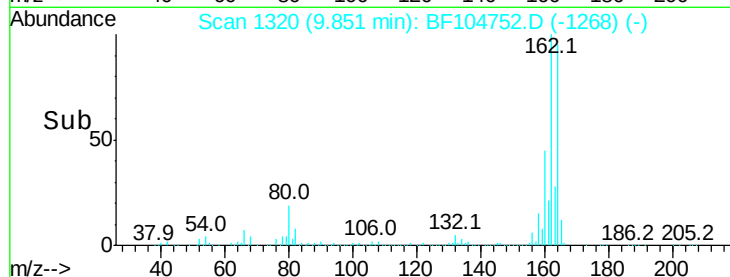
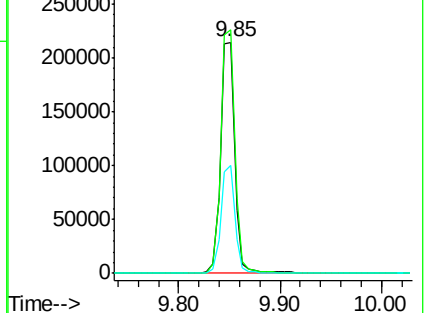
160 46.9 38.3 57.5



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: 87.762 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

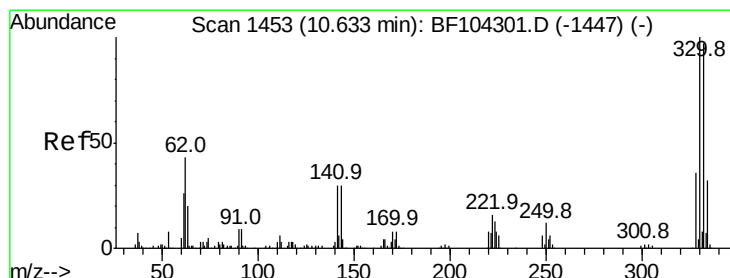
Tgt Ion:330 Resp: 189390

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

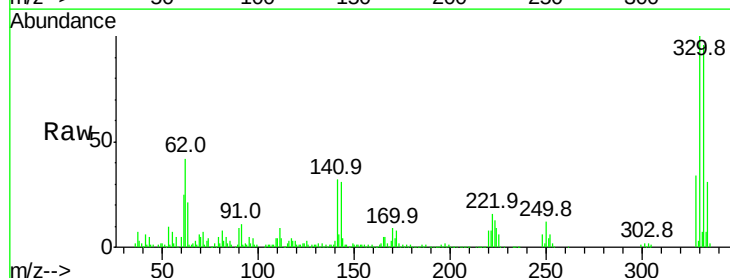
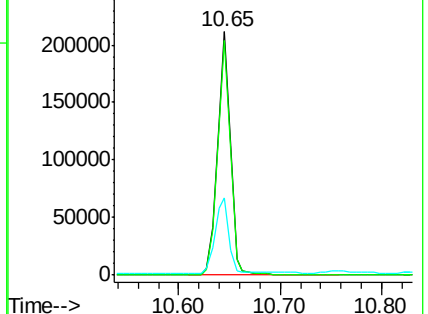
141 33.3 29.9 44.9

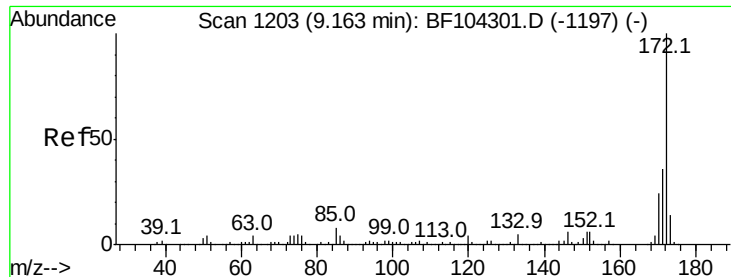


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

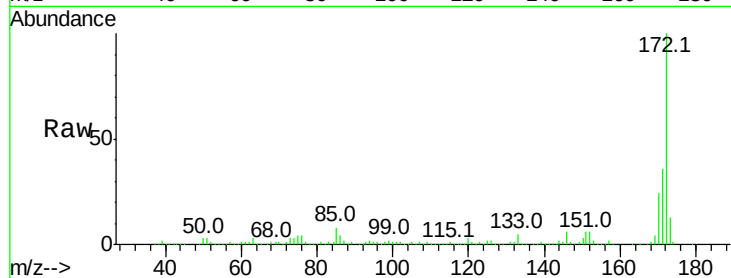




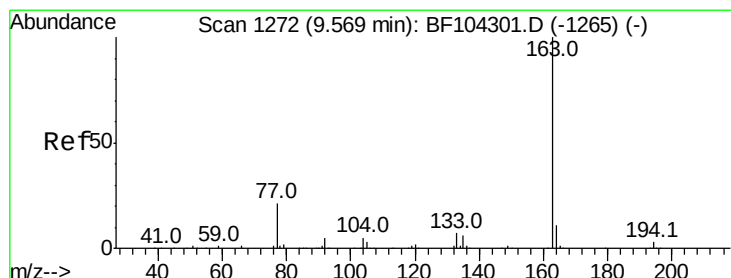
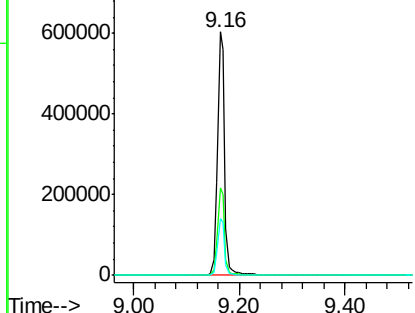
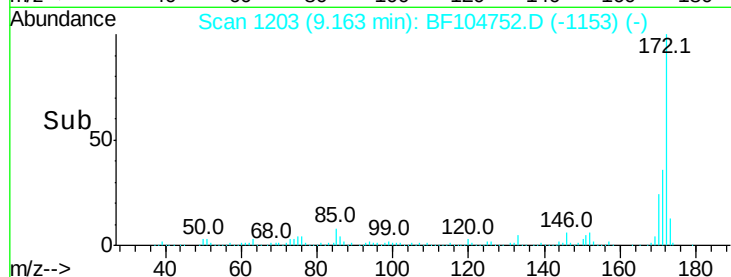
#44
2-Fluorobiphenyl
Concen: 44.290 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 583246
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.6 19.6 29.4

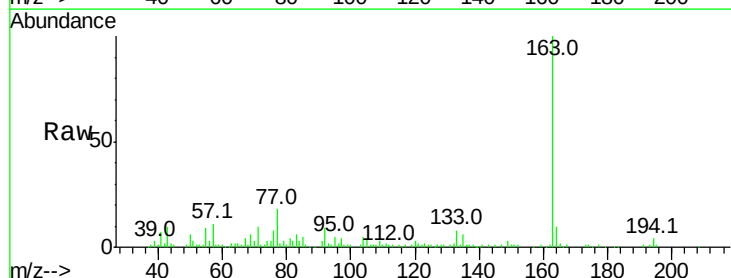


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

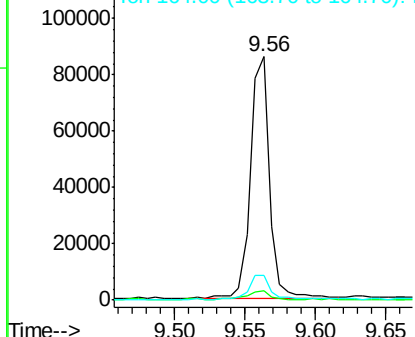
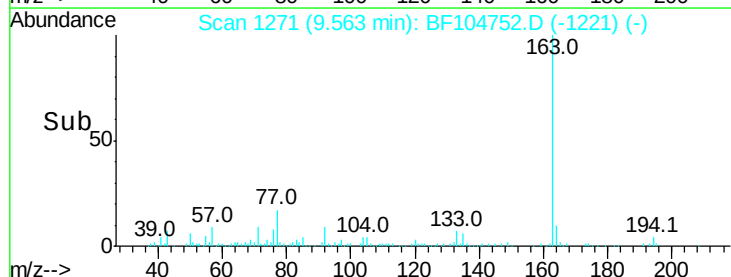


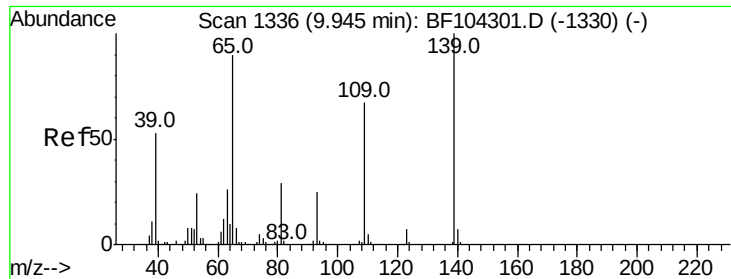
#49
Dimethylphthalate
Concen: 4.930 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion:163 Resp: 80883
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.4 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

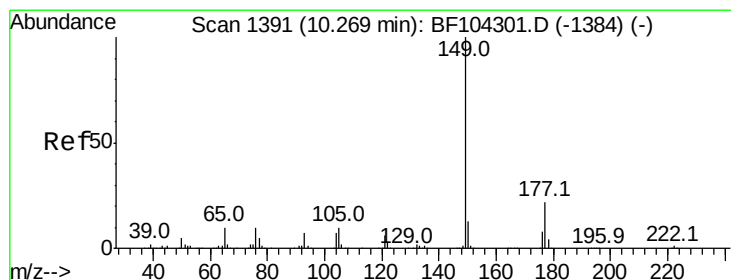
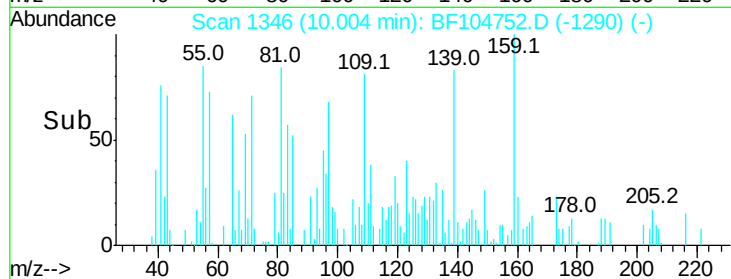
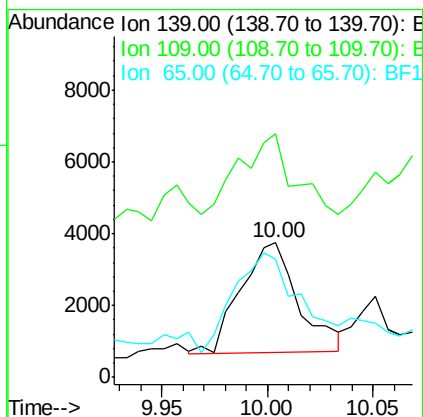
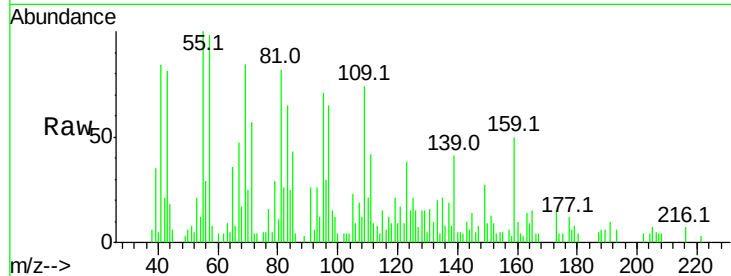




#55
4-Nitrophenol
Concen: 2.092 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.03 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

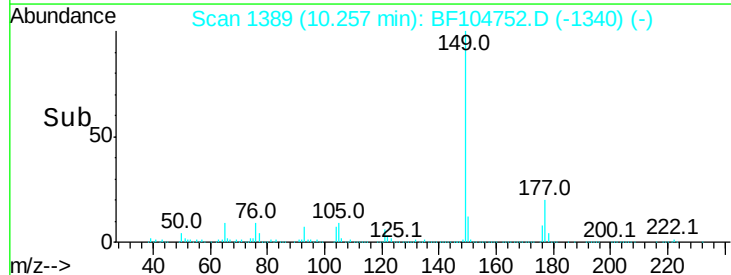
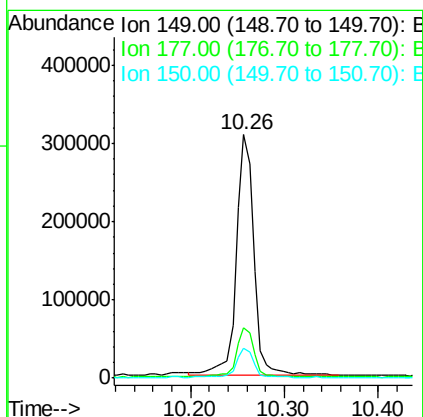
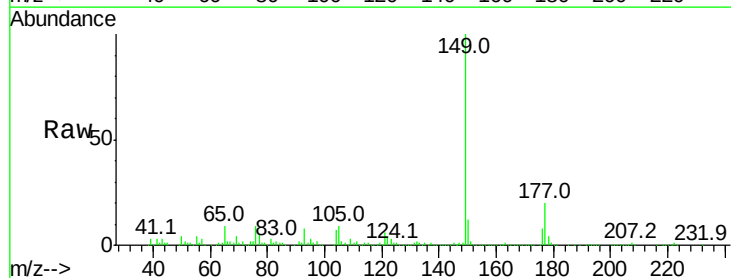
Instrument :
BNA_F
ClientSampleId :

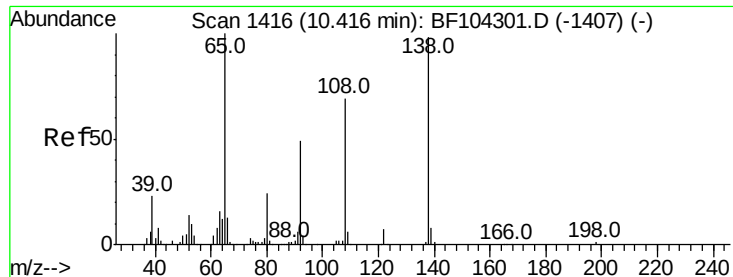
Tot Ion:139 Resp: 5840
Ion Ratio Lower Upper
139 100
109 180.8 48.4 88.4#
65 87.5 72.6 112.6



#59
Diethylphthalate
Concen: 24.302 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion:149 Resp: 397057
Ion Ratio Lower Upper
149 100
177 20.5 16.1 24.1
150 12.0 10.1 15.1

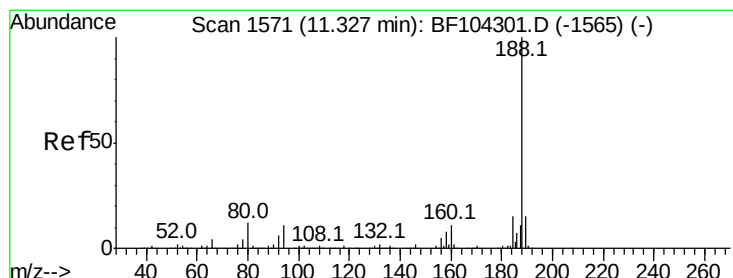
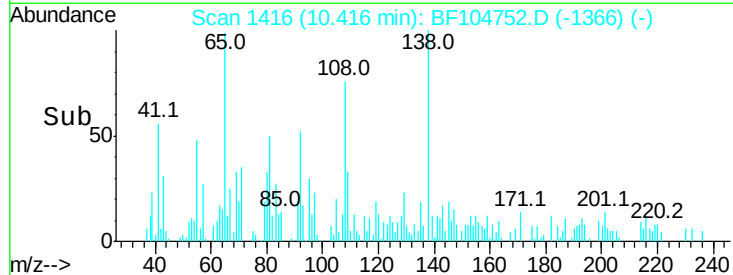
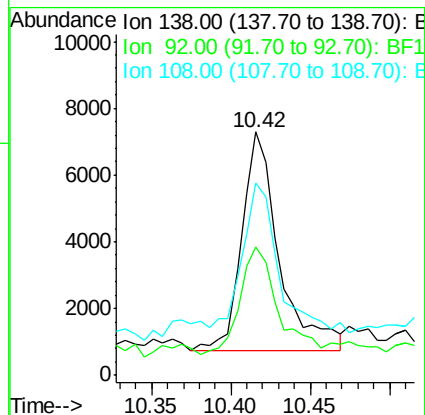
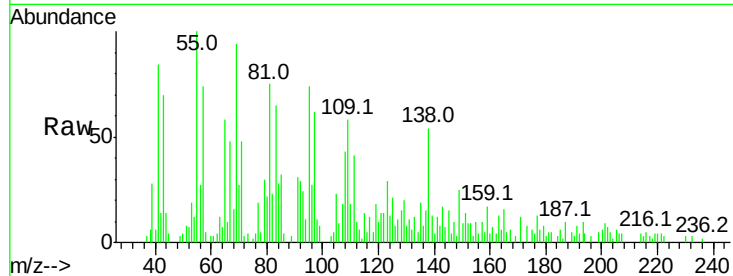




#61
4-Nitroaniline
Concen: 3.074 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

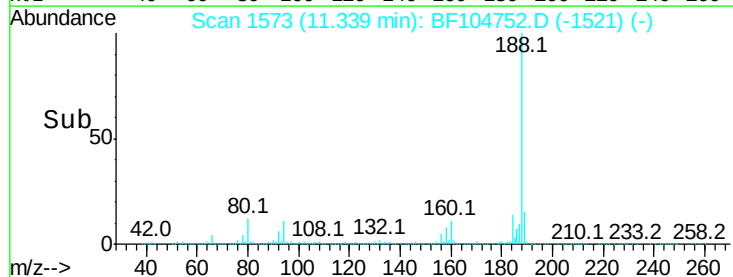
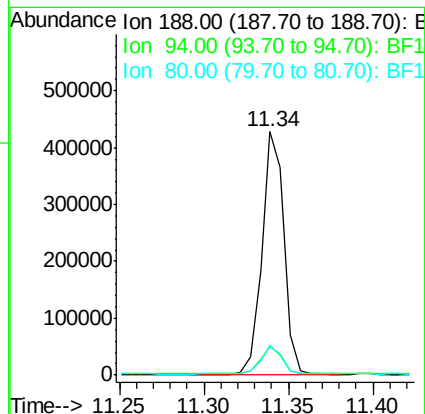
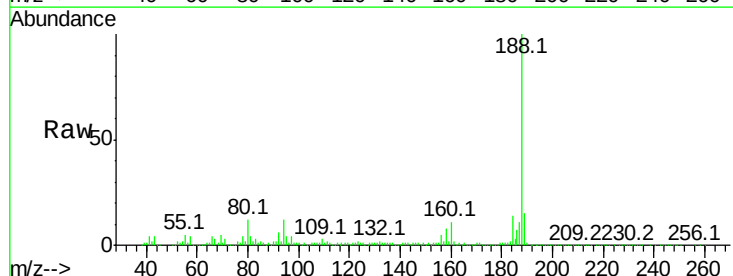
Instrument :
BNA_F
ClientSampled :

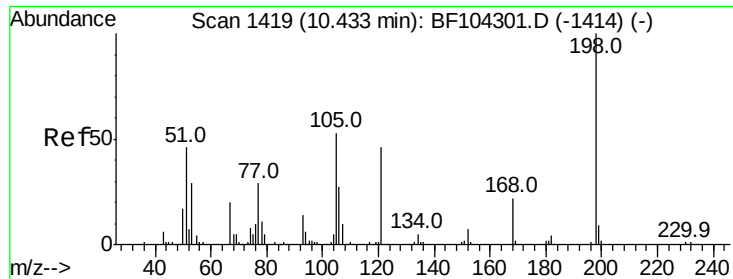
Tot Ion:138 Resp: 10681
Ion Ratio Lower Upper
138 100
92 53.0 30.2 70.2
108 79.0 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion:188 Resp: 386941
Ion Ratio Lower Upper
188 100
94 11.7 8.5 12.7
80 12.1 9.2 13.8

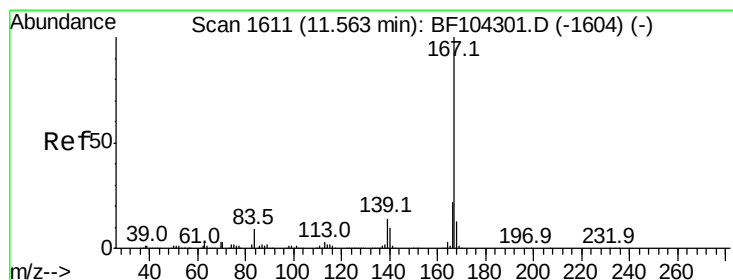
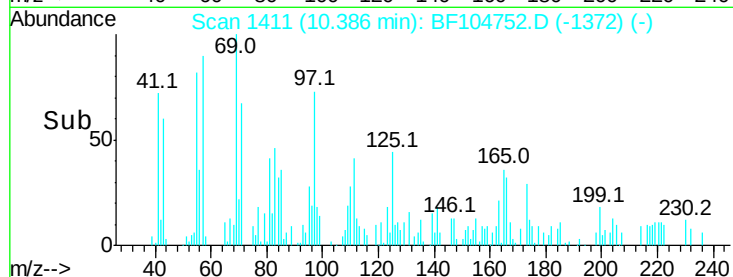
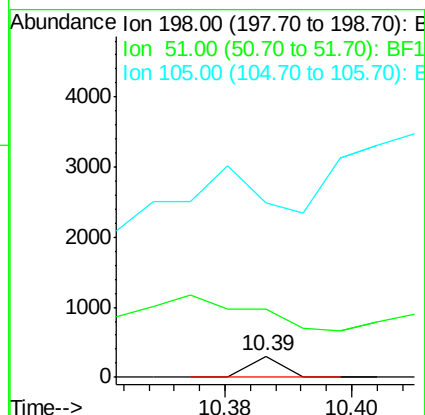
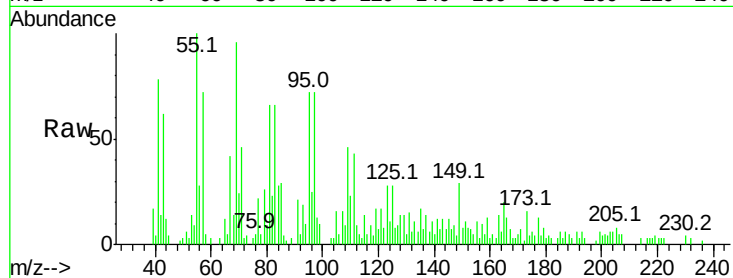




#64
4,6-Dinitro-2-methylphenol
Concen: 7.396 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.07 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

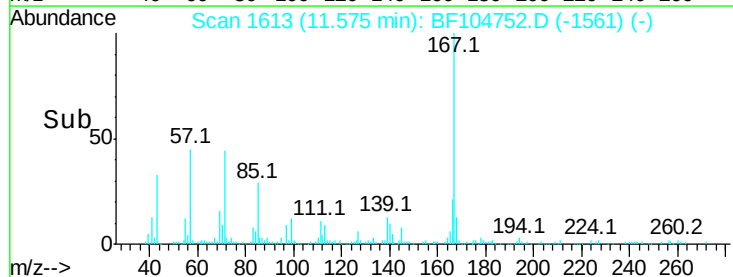
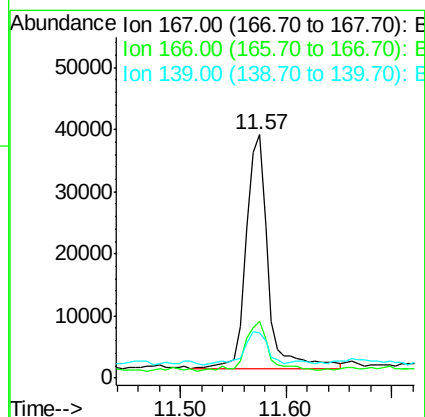
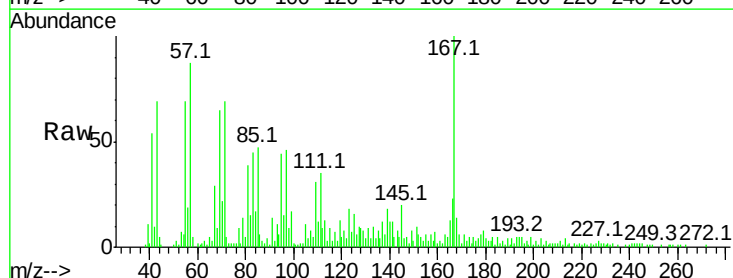
Instrument :
BNA_F
ClientSampleId :

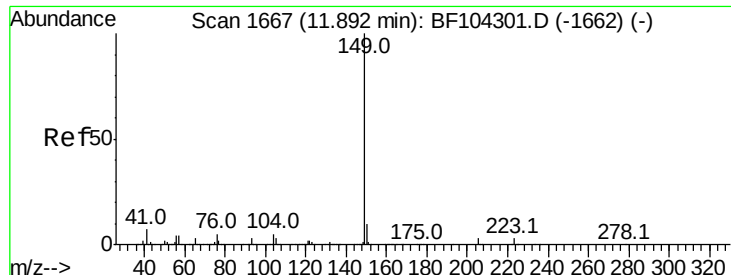
Tot Ion:198 Resp: 108
Ion Ratio Lower Upper
198 100
51 316.0 37.7 77.7#
105 812.4 36.3 76.3#



#72
Carbazole
Concen: 2.541 ng
RT: 11.57 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion:167 Resp: 54381
Ion Ratio Lower Upper
167 100
166 23.3 17.6 26.4
139 18.5 10.9 16.3#





#73

Di-n-butylphthalate

Concen: 2.344 ng

RT: 11.89 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Instrument :

BNA_F

ClientSampleId :

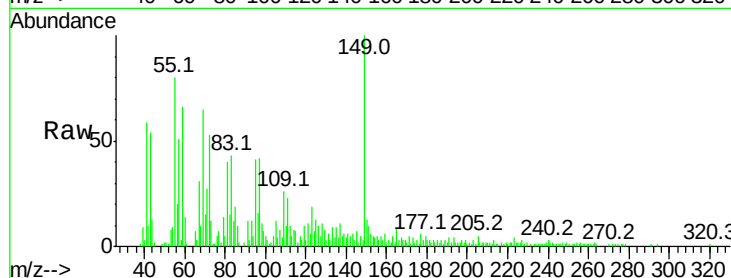
Tot Ion:149 Resp: 61284

Ion Ratio Lower Upper

149 100

150 12.9 7.8 11.6#

104 5.4 3.8 5.8

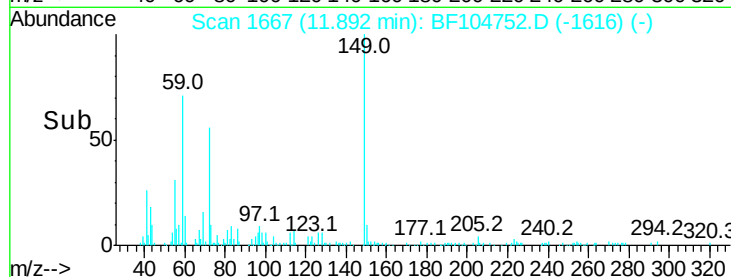


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

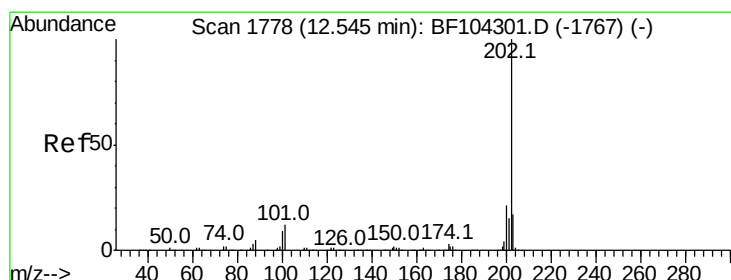
Ion 104.00 (103.70 to 104.70): E

Time-->



Abundance

Time-->



#74

Fluoranthene

Concen: 3.234 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

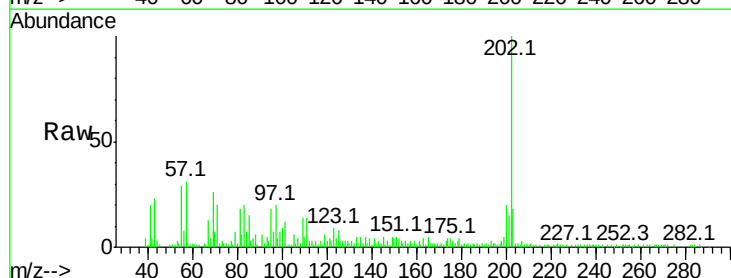
Tgt Ion:202 Resp: 72809

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

203 18.2 0.0 38.1

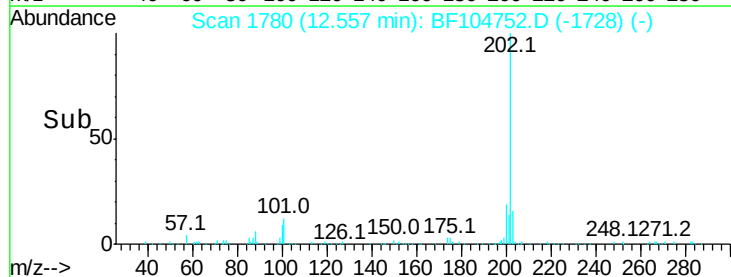


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

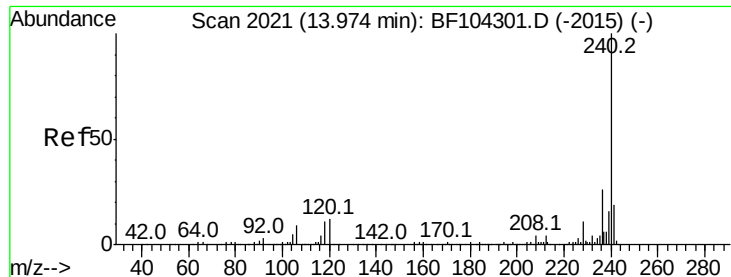
Ion 203.00 (202.70 to 203.70): E

Time-->



Abundance

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Instrument :

BNA_F

ClientSampled :

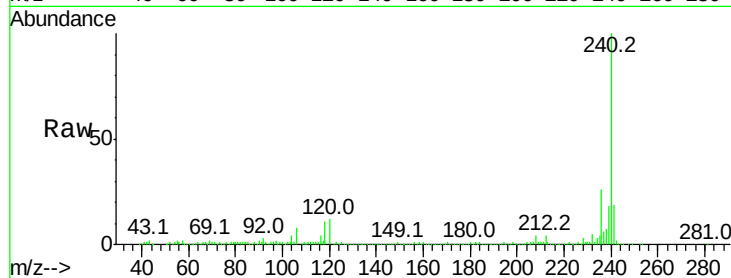
Tot Ion:240 Resp: 411751

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

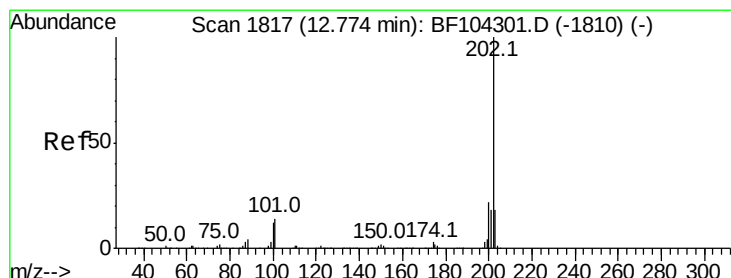
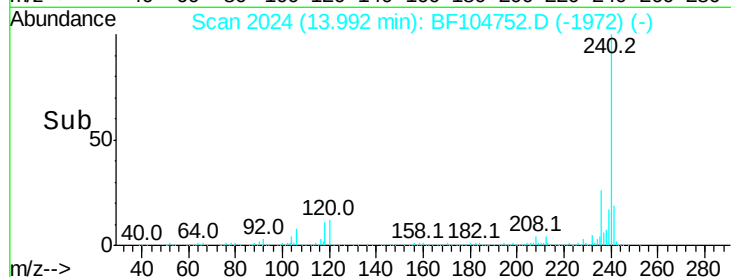
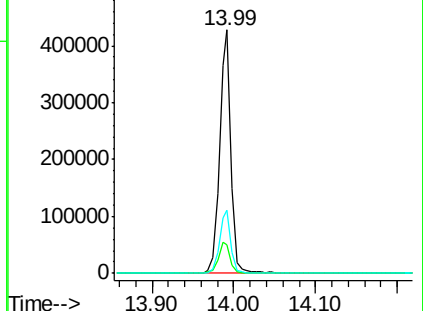
236 25.7 20.7 31.1



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: 2.571 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

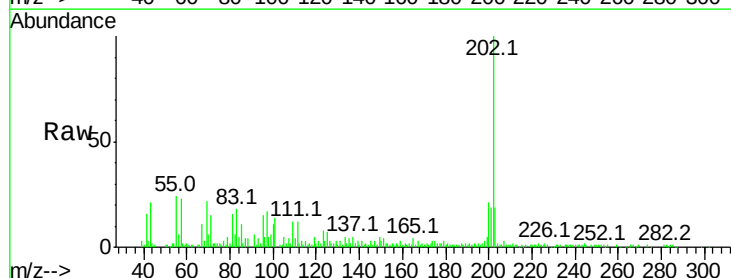
Tgt Ion:202 Resp: 78483

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

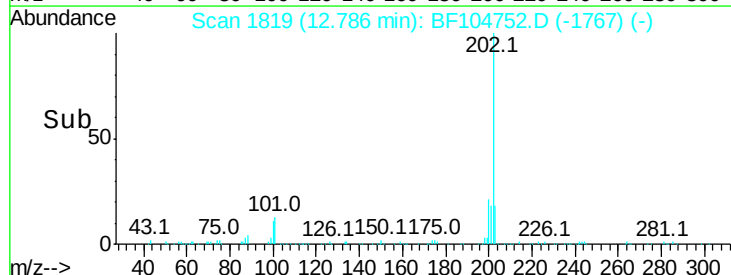
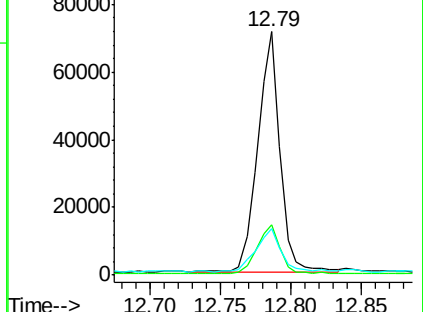
203 19.0 14.3 21.5

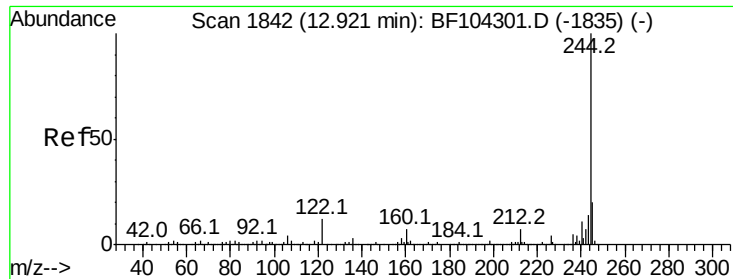


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



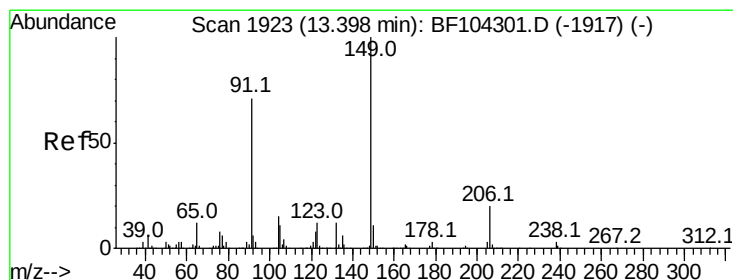
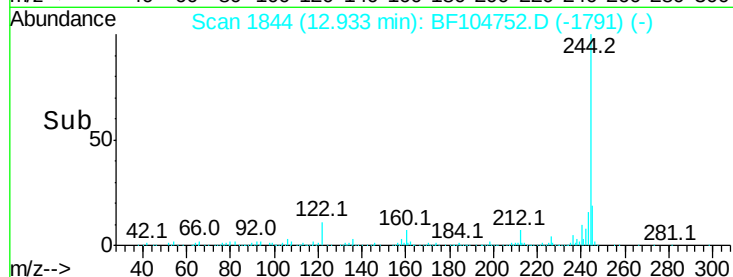
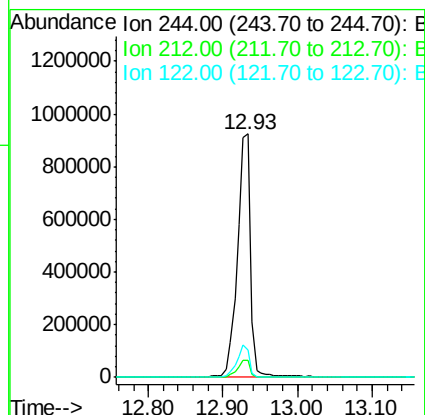
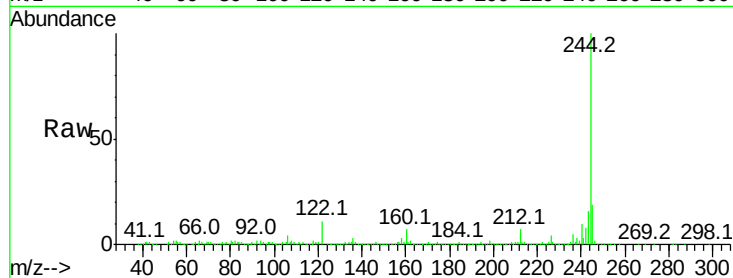


#78
 Terphenyl-d14
 Concen: 62.382 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: BF104752.D
 Acq: 24 Apr 2018 13:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1126662

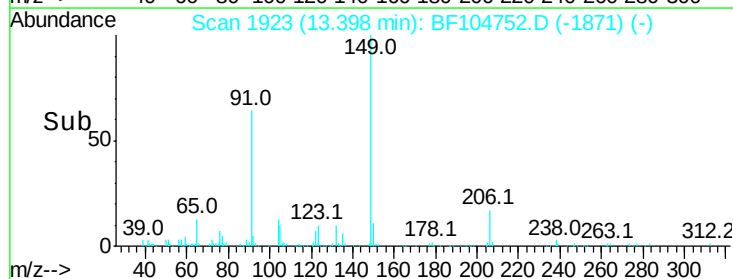
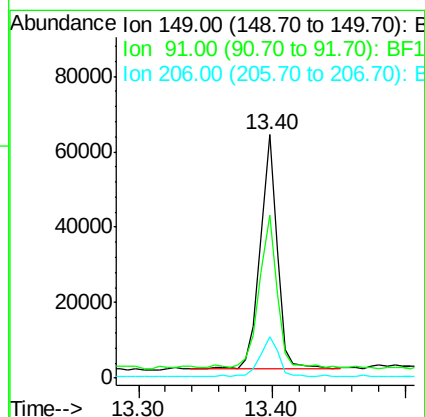
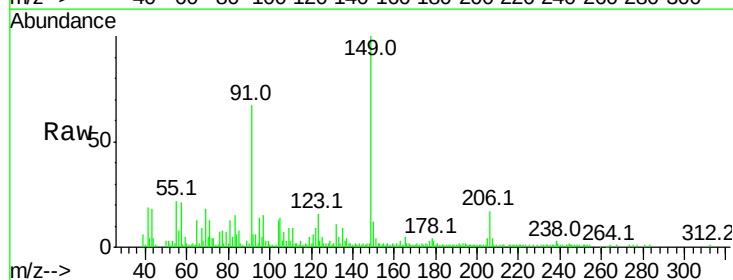
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.2	11.0	16.4

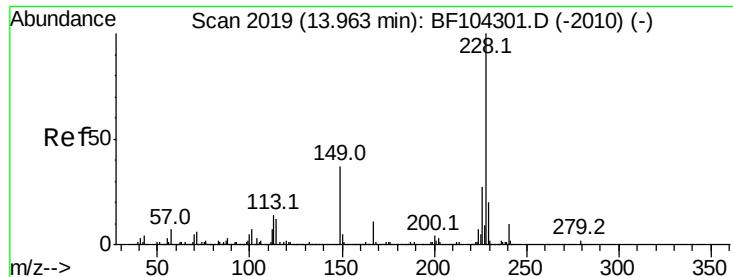


#79
 Butylbenzylphthalate
 Concen: 3.782 ng
 RT: 13.40 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: BF104752.D
 Acq: 24 Apr 2018 13:26

Tgt Ion:149 Resp: 54386

Ion	Ratio	Lower	Upper
149	100		
91	66.7	56.8	85.2
206	17.0	14.1	21.1

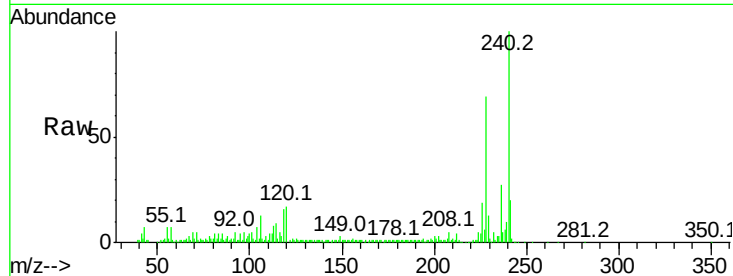




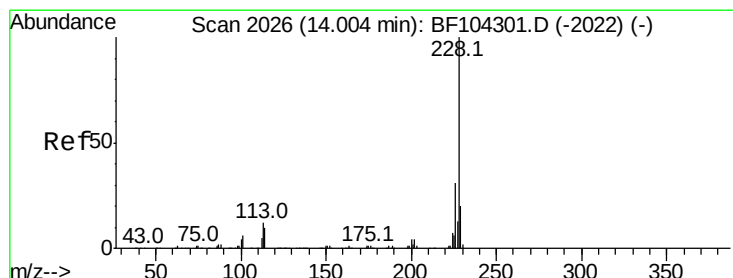
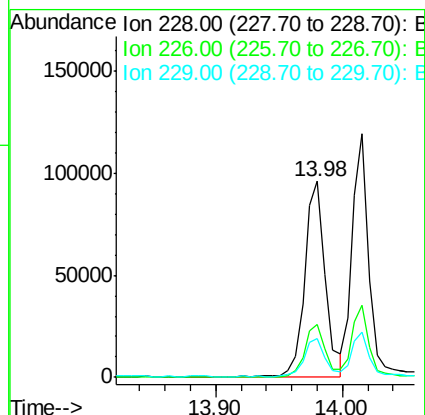
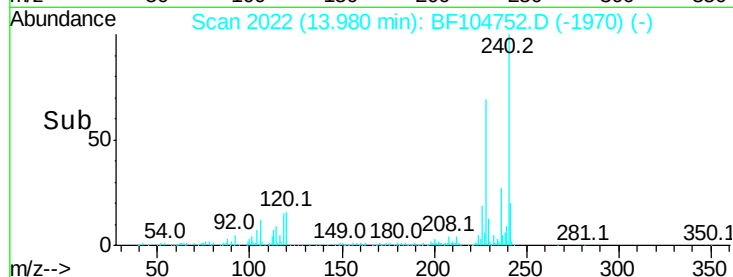
#80
Benzo(a)anthracene
Concen: 4.476 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 110092
Ion Ratio Lower Upper
228 100
226 27.3 22.6 33.8
229 19.6 15.8 23.6

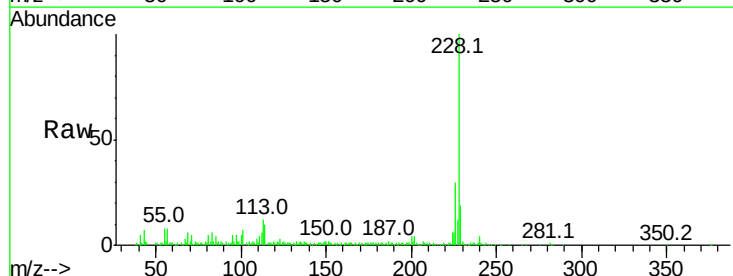


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

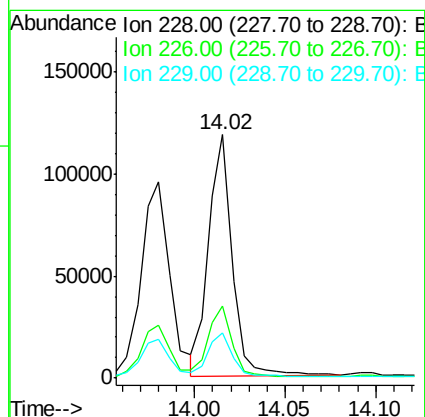
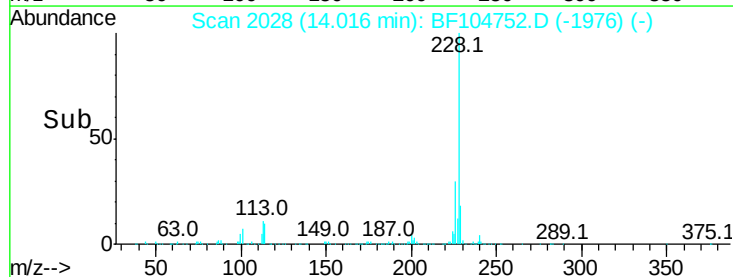


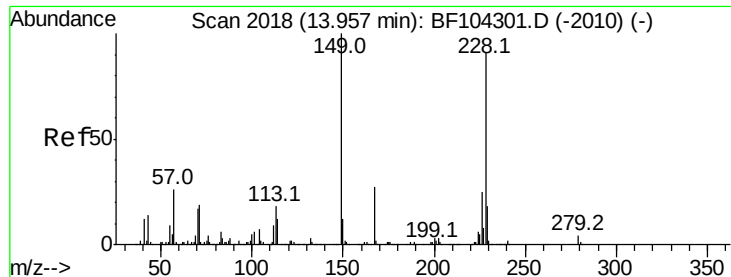
#82
Chrysene
Concen: 4.226 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion:228 Resp: 106764
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 18.7 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





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.215 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Instrument :

BNA_F

ClientSampleId :

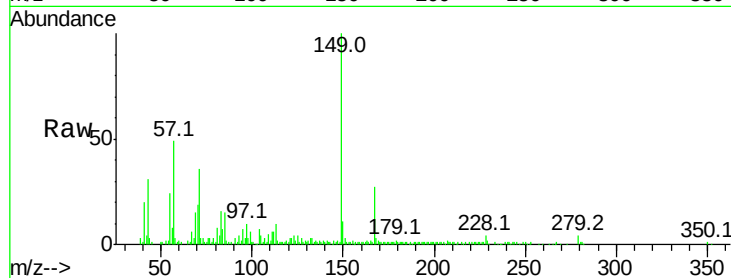
Tot Ion:149 Resp: 77948

Ion Ratio Lower Upper

149 100

167 27.1 21.3 31.9

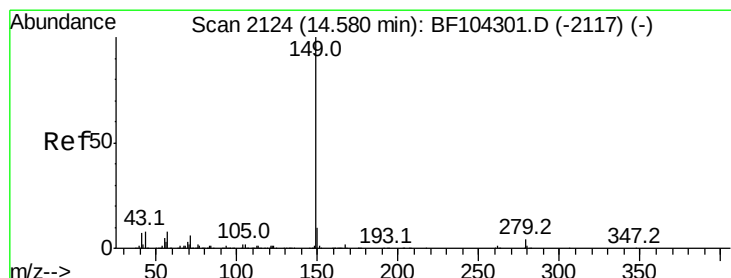
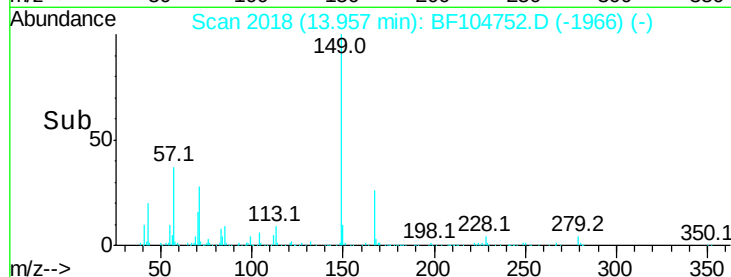
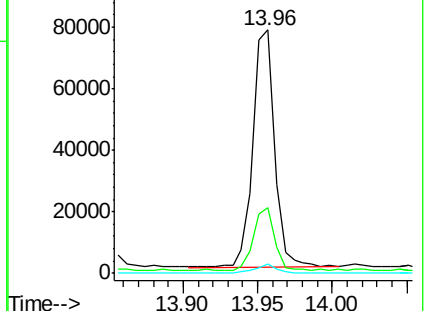
279 4.0 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 2.975 ng

RT: 14.58 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

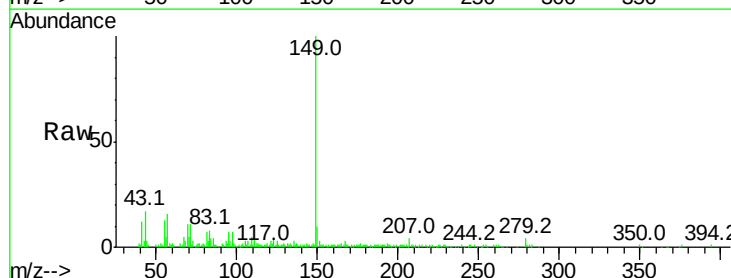
Tgt Ion:149 Resp: 91940

Ion Ratio Lower Upper

149 100

167 2.0 1.2 1.8#

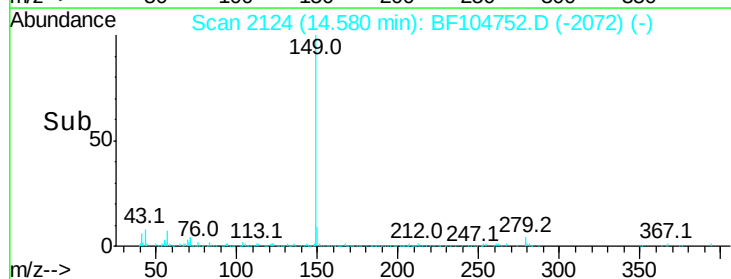
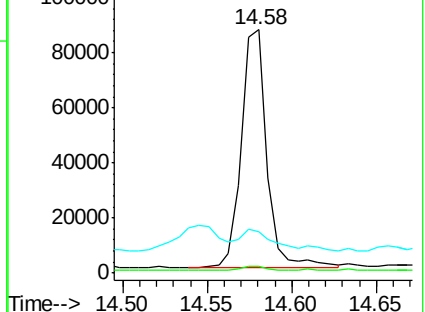
43 12.0 8.4 12.6

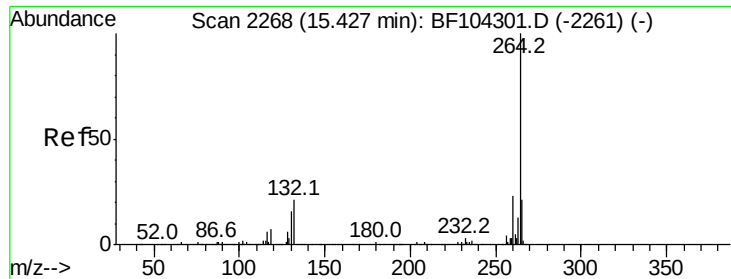


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



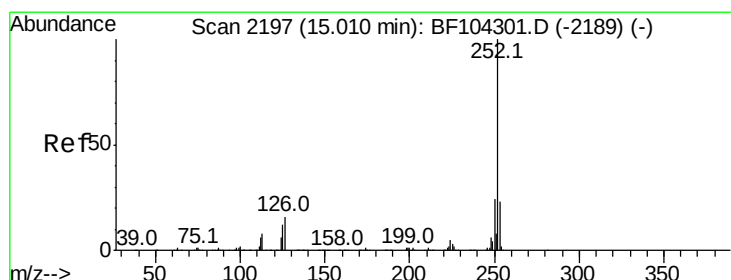
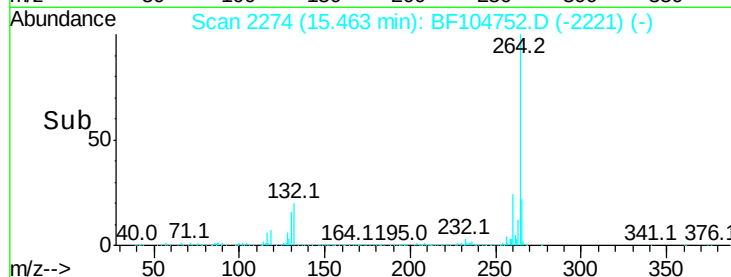
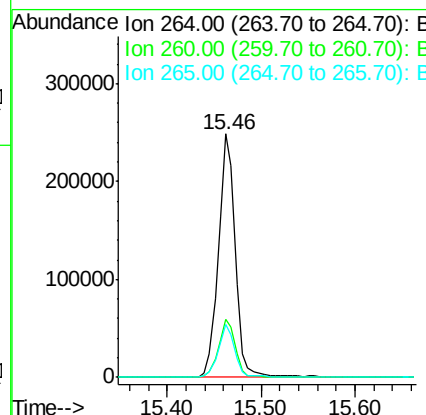
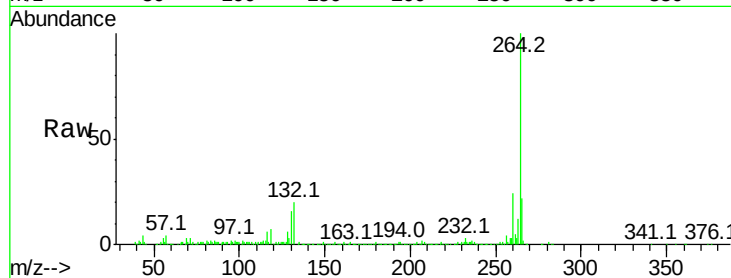


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 316843

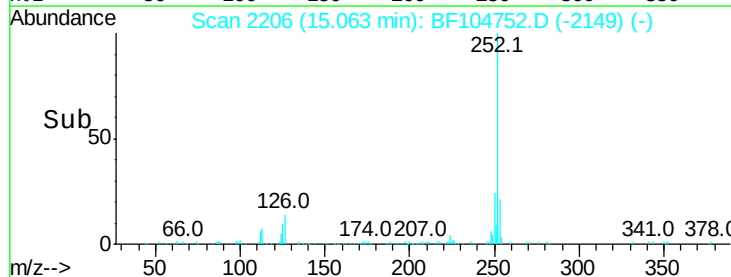
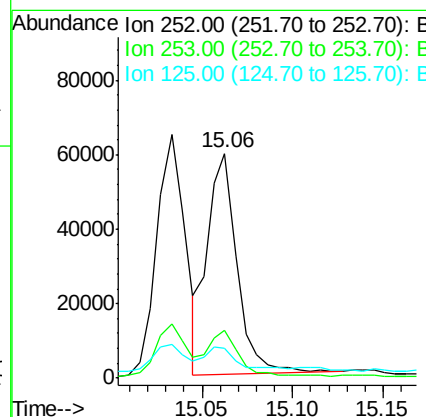
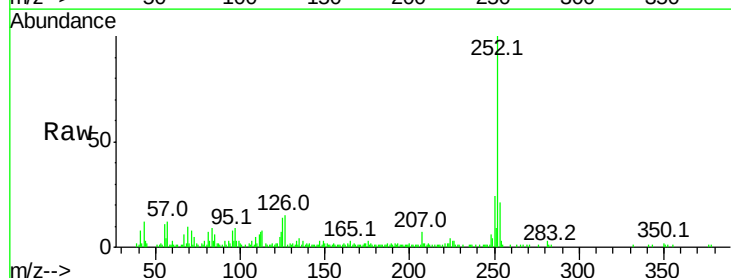
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	17.5	26.3

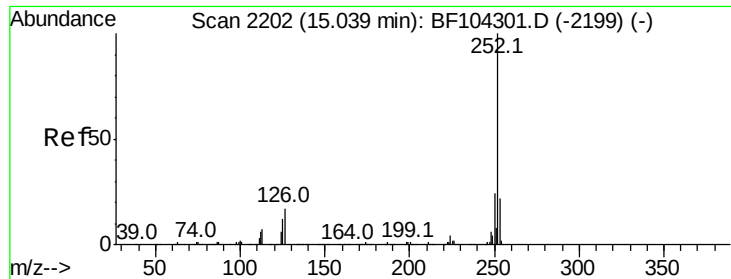


#87
Benzo(b)fluoranthene
Concen: 3.385 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.04 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion:252 Resp: 67731

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	13.5	9.0	13.6

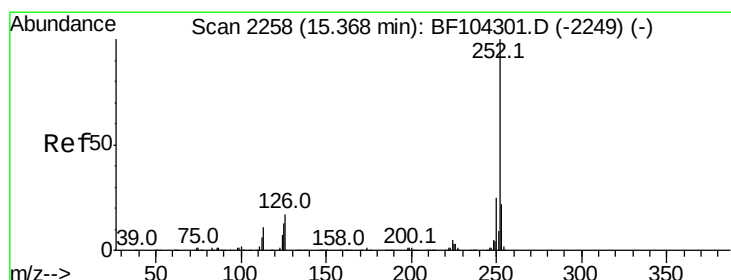
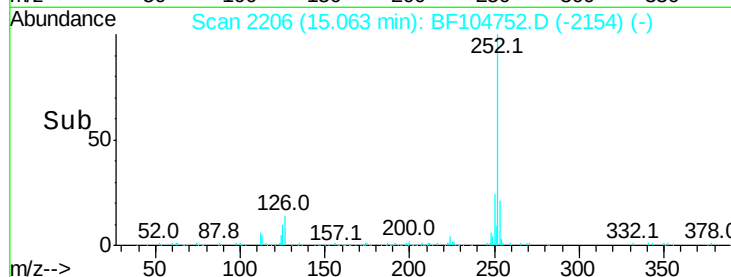
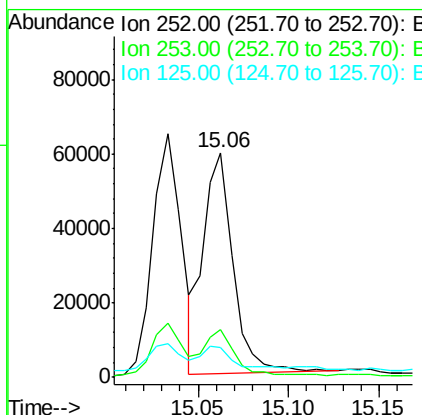
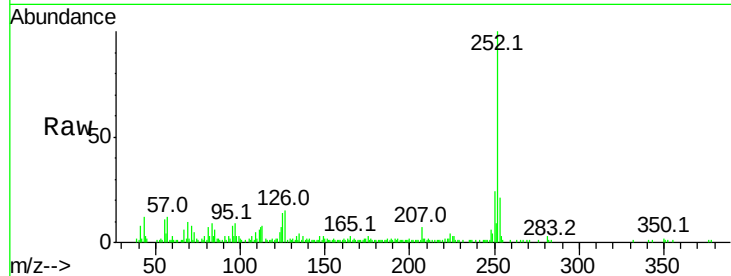




#88
Benzo(k)fluoranthene
Concen: 3.585 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 67731
Ion Ratio Lower Upper
252 100
253 21.3 17.9 26.9
125 13.5 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.856 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion:252 Resp: 51141
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 18.2 9.8 14.6#

