

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104753.D
 Acq On : 24 Apr 2018 13:53
 Operator : JU/SJ
 Sample : J2490-01RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:54:07 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	120910	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	510413	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	247793	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	487909	20.00	ng	0.00
75) Chrysene-d12	13.99	240	453787	20.00	ng	0.00
86) Perylene-d12	15.46	264	343676	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	675280	85.40	ng	0.01
7) Phenol-d6	6.45	99	843258	86.79	ng	0.00
23) Nitrobenzene-d5	7.37	82	527480	67.48	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	256206	99.67	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	977497	62.32	ng	0.00
78) Terphenyl-d14	12.93	244	1325424	66.59	ng	0.00

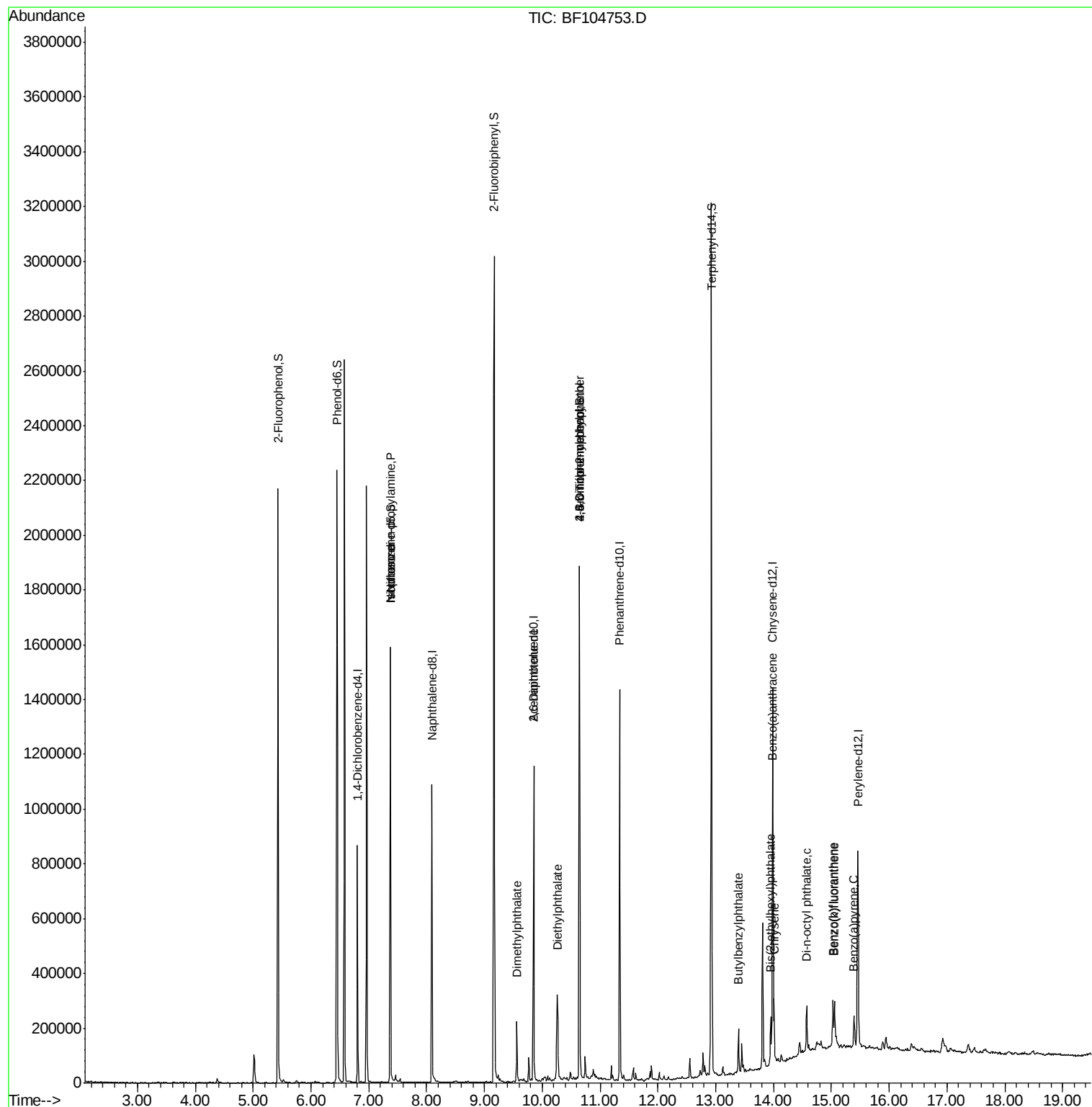
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1545	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	68753	10.829	ng	# 73
25) Isophorone	7.37	82	527473	31.911	ng	# 64
49) Dimethylphthalate	9.56	163	92561	4.737	ng	100
50) 2,6-Dinitrotoluene	9.85	165	31321	8.662	ng	# 25
59) Diethylphthalate	10.26	149	181465	9.325	ng	98
64) 4,6-Dinitro-2-methylphenol	10.65	198	510	7.529	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	15644	3.014	ng	# 1
76) Benzidine	12.93	184	17008	Below Cal		95
79) Butylbenzylphthalate	13.40	149	33729	2.128	ng	95
80) Benzo(a)anthracene	13.97	228	74205	2.737	ng	98
82) Chrysene	14.01	228	78209	2.809	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	51158	2.510	ng	99
84) Di-n-octyl phthalate	14.57	149	82783	2.431	ng	# 95
87) Benzo(b)fluoranthene	15.03	252	80998	3.732	ng	98
88) Benzo(k)fluoranthene	15.06	252	73166	3.570	ng	97
89) Benzo(a)pyrene	15.39	252	60701	3.125	ng	# 97

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

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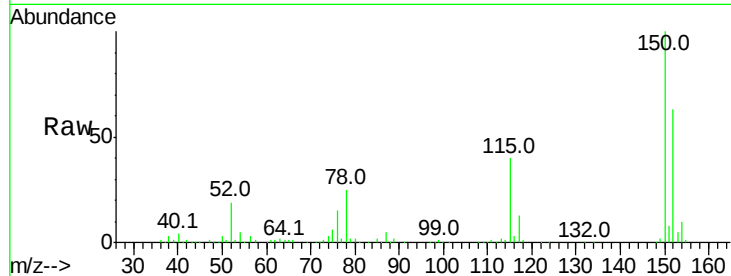


#1

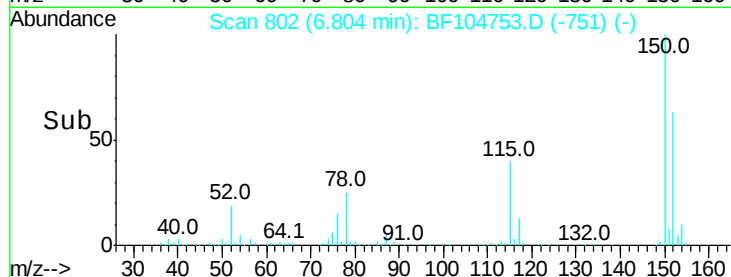
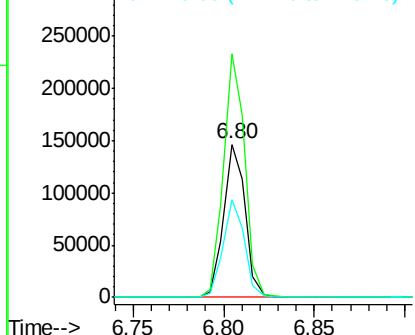
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120910
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 64.1 50.1 75.1



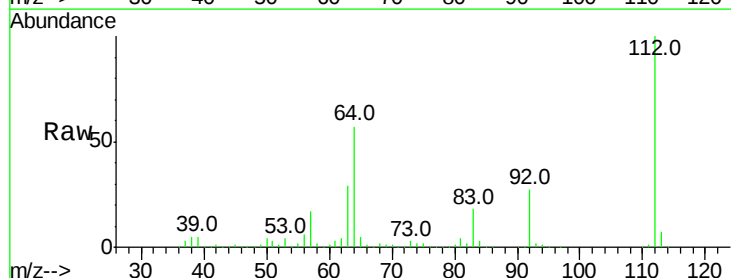
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



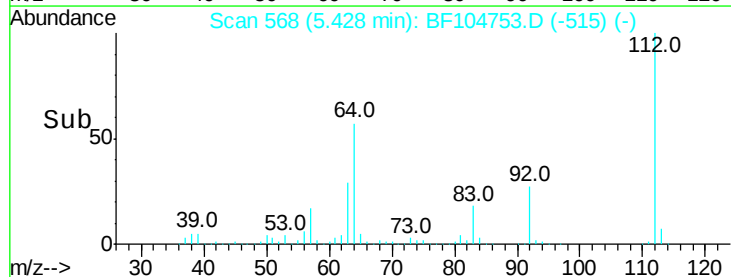
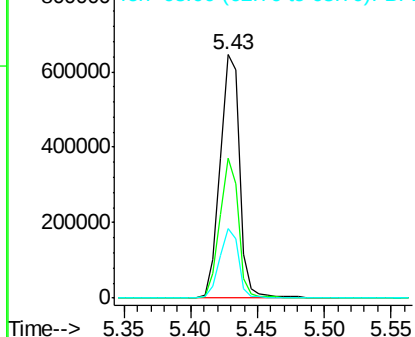
#5

2-Fluorophenol
Concen: 85.397 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

Tgt Ion:112 Resp: 675280
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 28.7 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: 86.793 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104753.D

Acq: 24 Apr 2018 13:53

Instrument :

BNA_F

ClientSampleId :

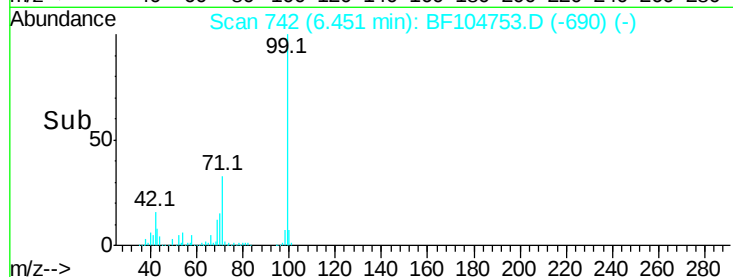
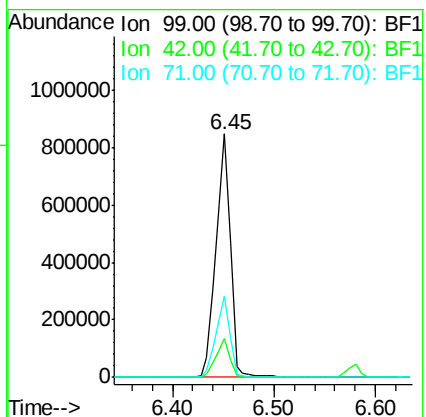
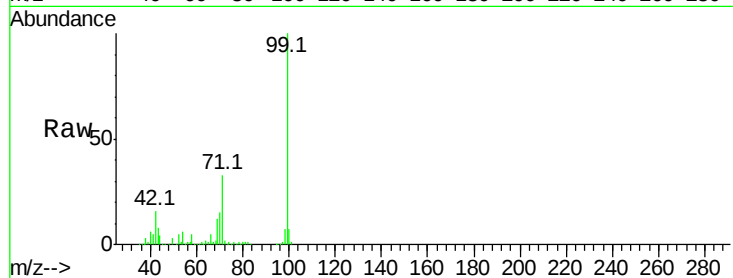
Tot Ion: 99 Resp: 843258

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 33.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.829 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104753.D

Acq: 24 Apr 2018 13:53

Tgt Ion: 70 Resp: 68753

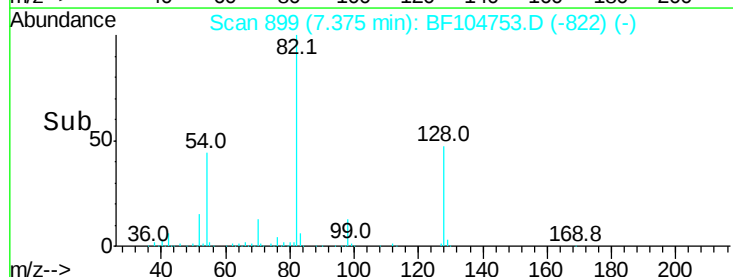
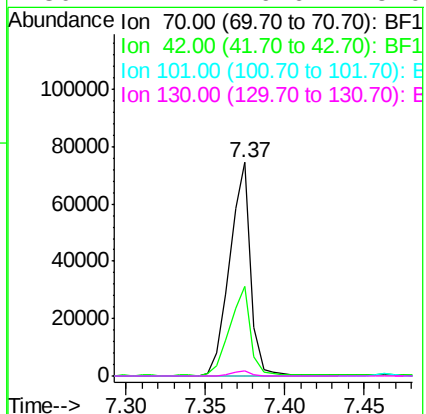
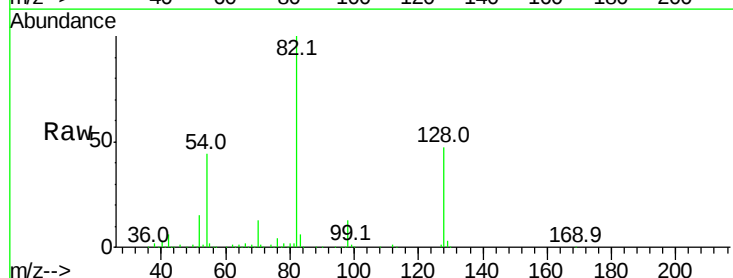
Ion Ratio Lower Upper

70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

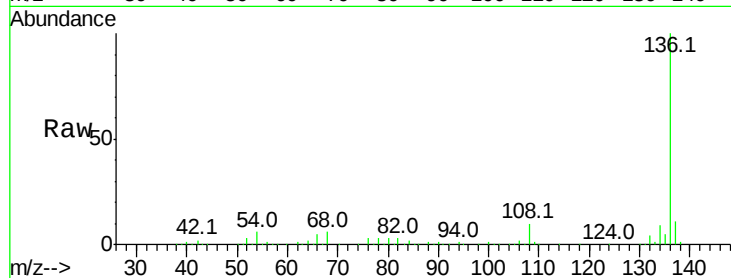




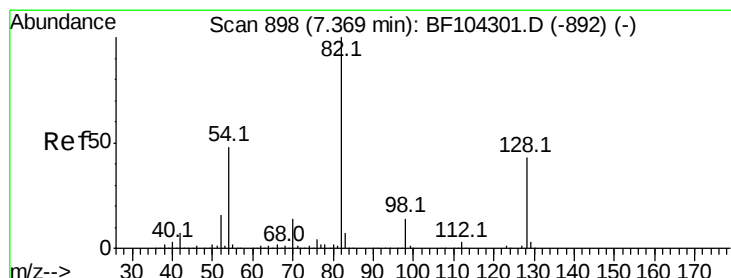
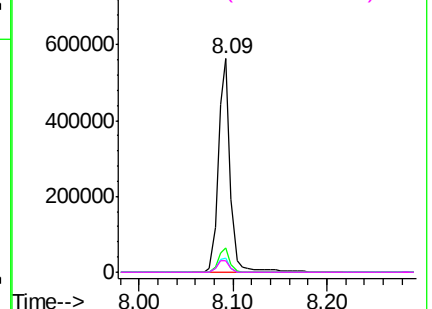
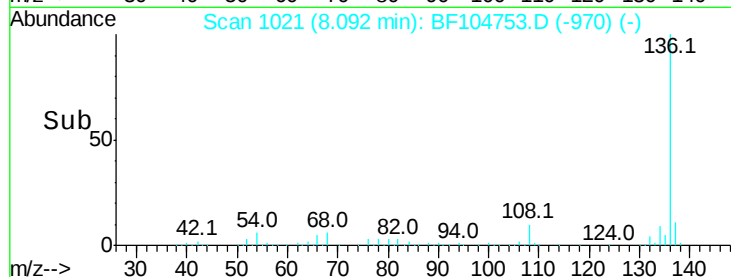
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	510413
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.4	6.6	9.8#
68	5.7	5.0	7.4

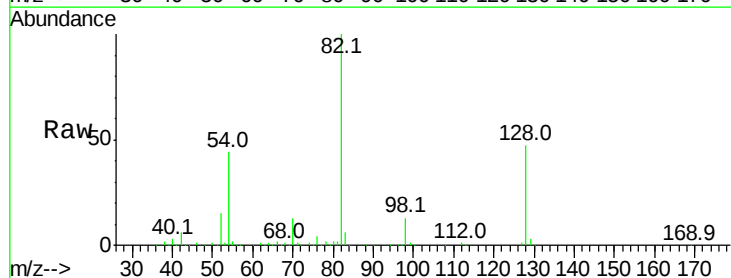


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

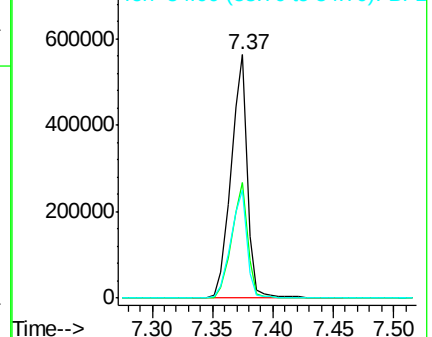
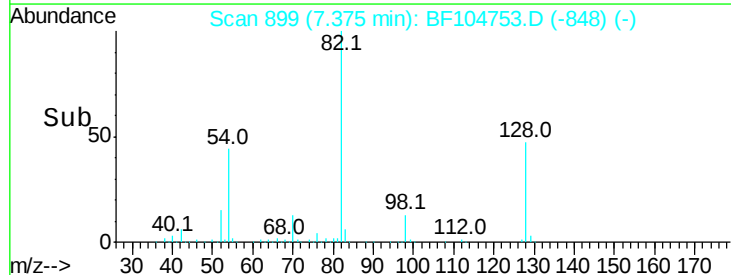


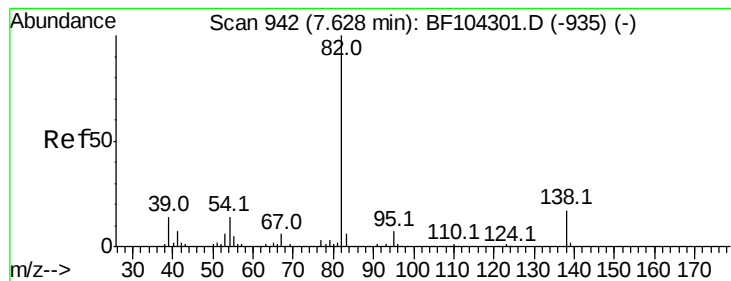
#23
Nitrobenzene-d5
Concen: 67.481 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

Tgt Ion:	82	Resp:	527480
Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	44.3	41.4	62.2



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





#25

Isophorone

Concen: 31.911 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104753.D

Acq: 24 Apr 2018 13:53

Instrument :

BNA_F

ClientSampleId :

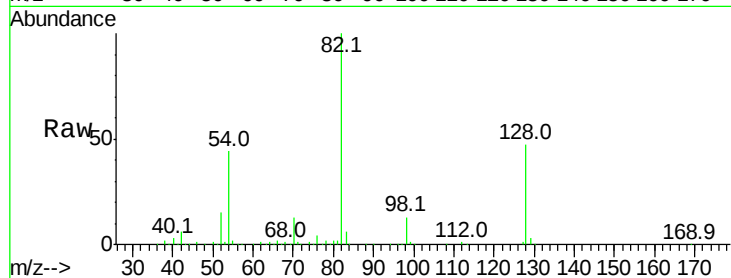
Tot Ion: 82 Resp: 527473

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

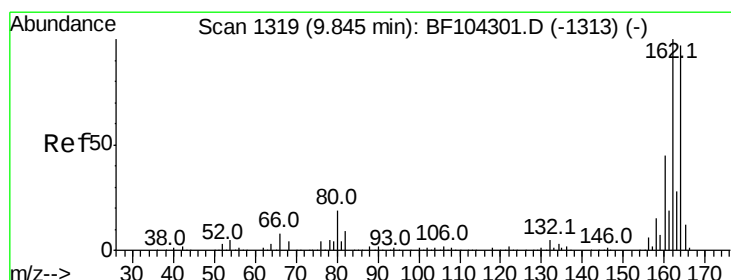
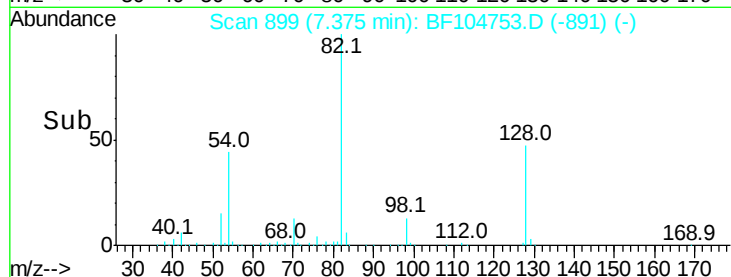
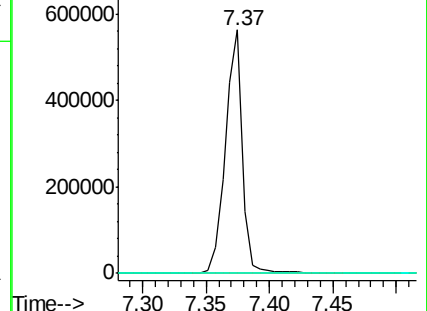
138 0.0 14.9 22.3#



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: BF104753.D

Acq: 24 Apr 2018 13:53

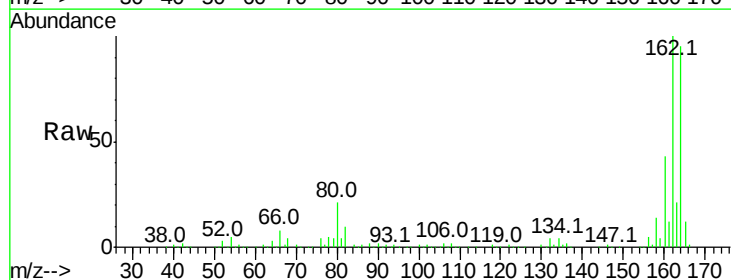
Tgt Ion: 164 Resp: 247793

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

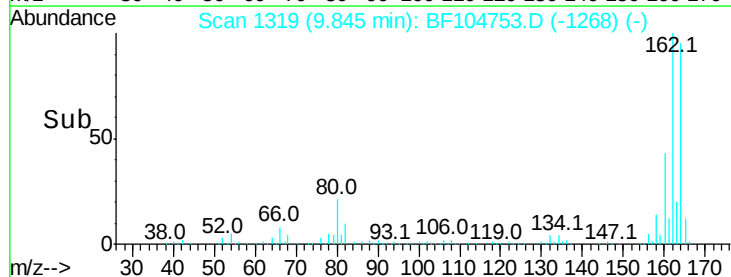
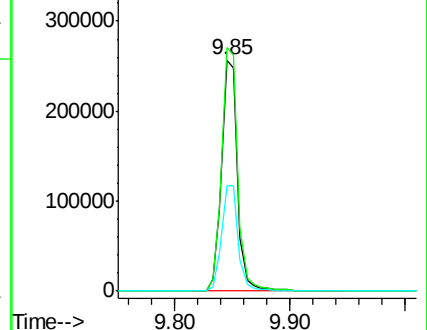
160 45.5 38.3 57.5



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

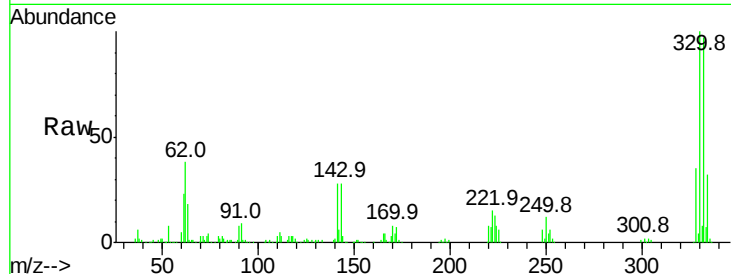




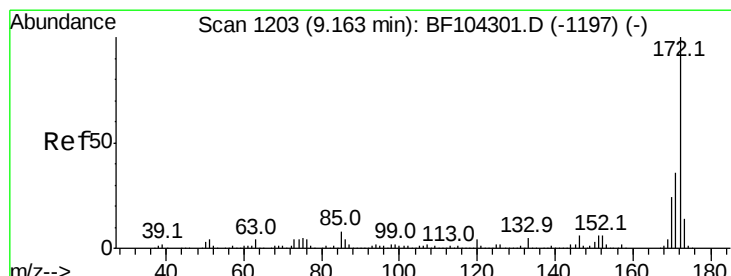
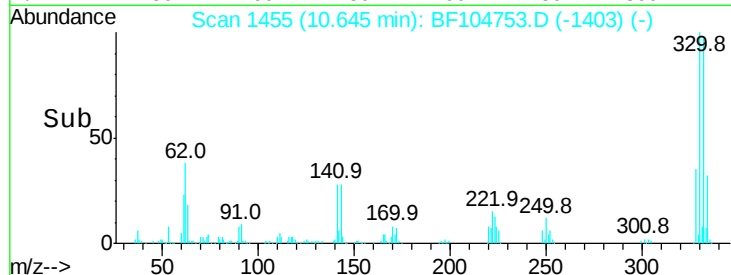
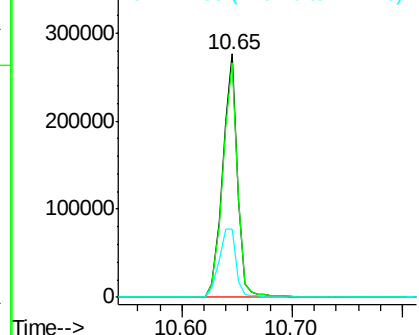
#41
 2,4,6-Tribromophenol
 Concen: 99.675 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104753.D
 Acq: 24 Apr 2018 13:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	32.8	29.9	44.9

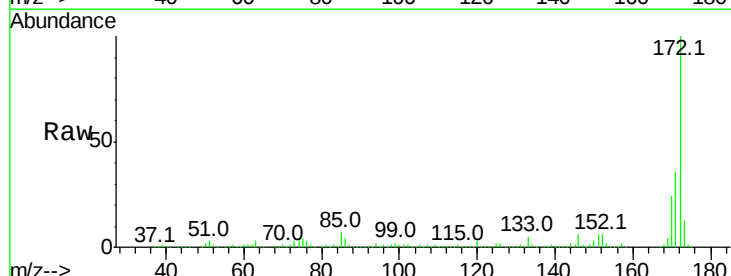


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

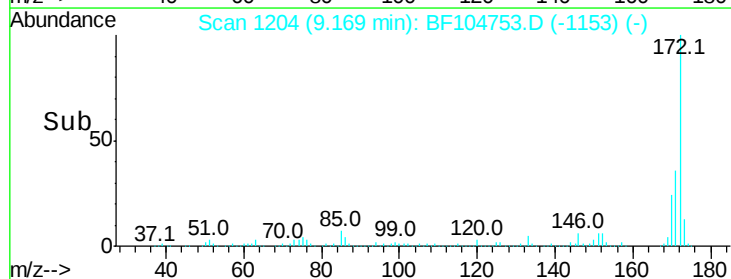
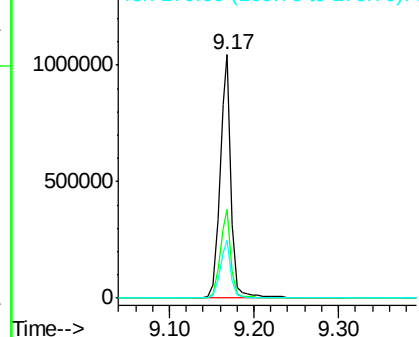


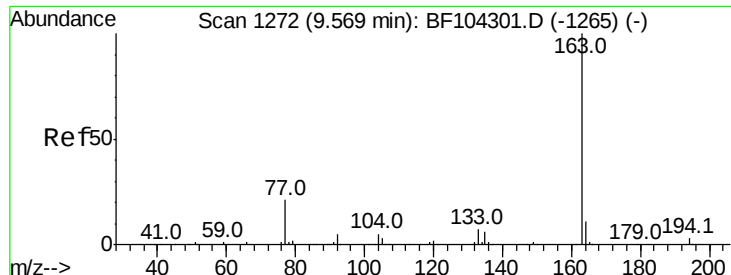
#44
 2-Fluorobiphenyl
 Concen: 62.318 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104753.D
 Acq: 24 Apr 2018 13:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.9	19.6	29.4



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

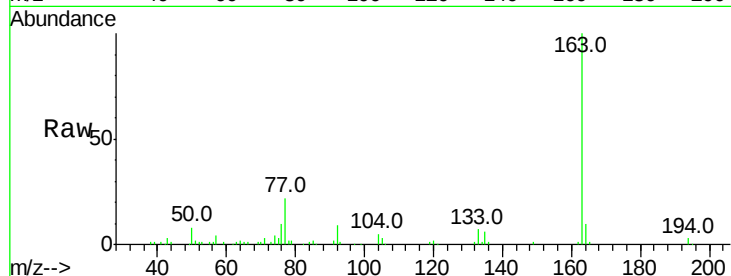




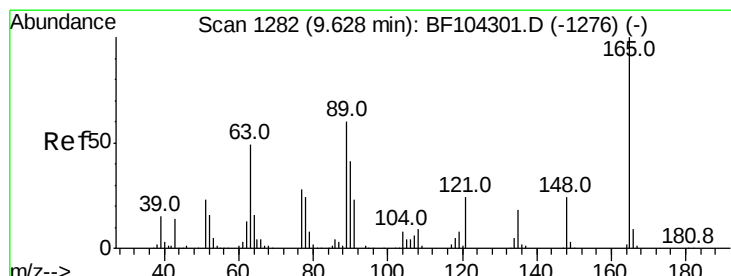
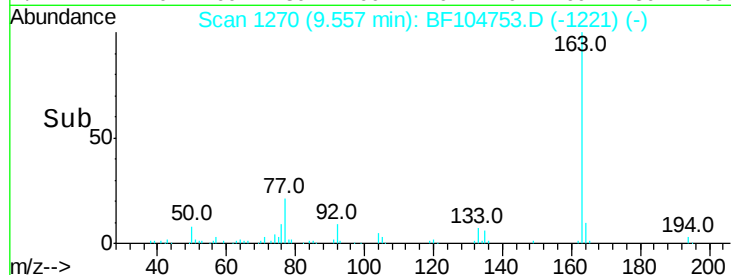
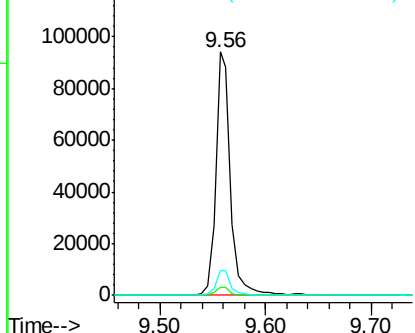
#49
Dimethylphthalate
Concen: 4.737 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 92561
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.1 8.2 12.2

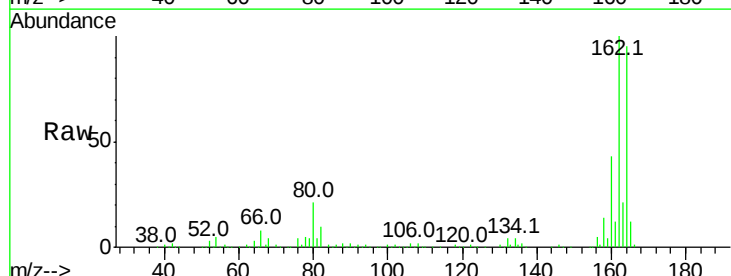


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

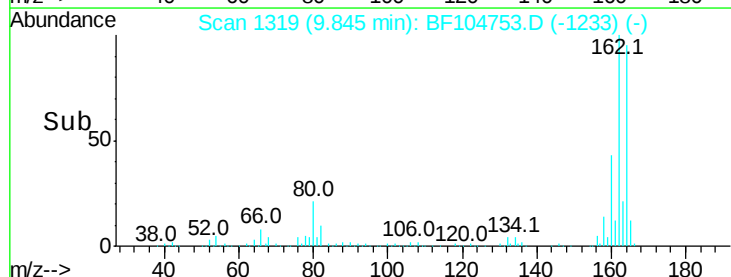
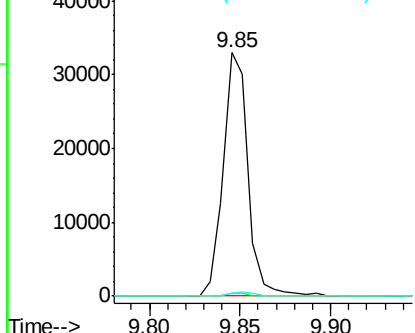


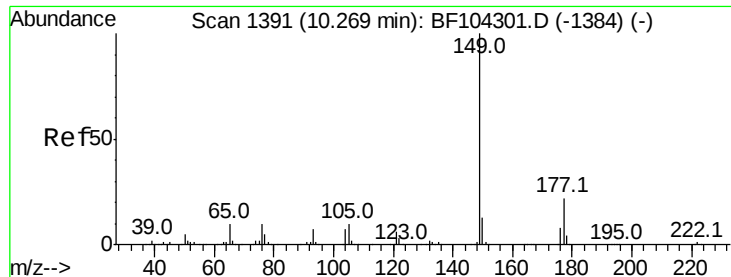
#50
2,6-Dinitrotoluene
Concen: 8.662 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

Tgt Ion:165 Resp: 31321
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.4 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

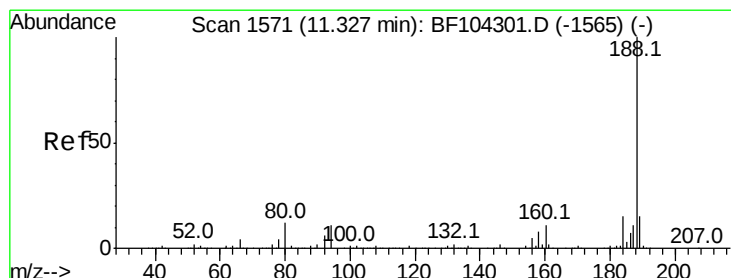
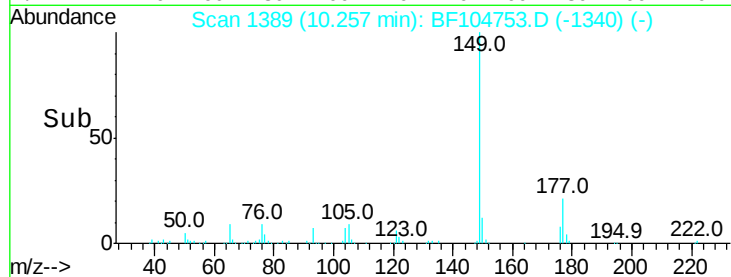
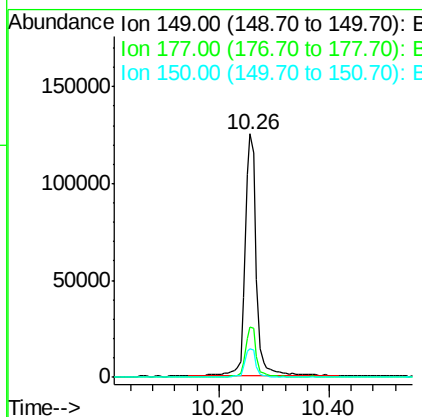
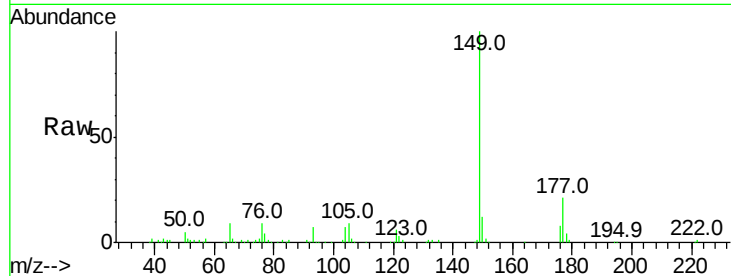




#59
Diethylphthalate
Concen: 9.325 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

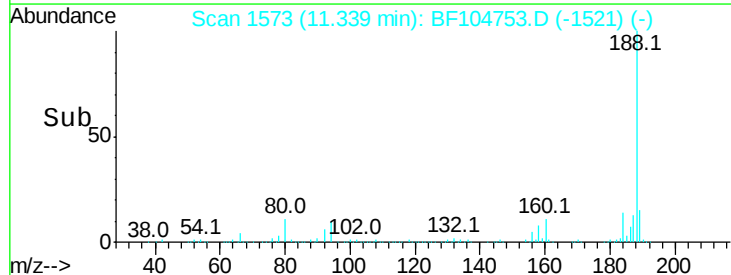
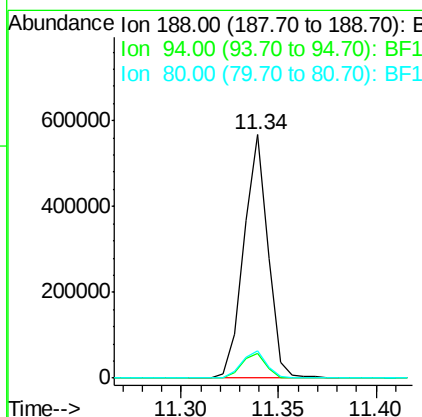
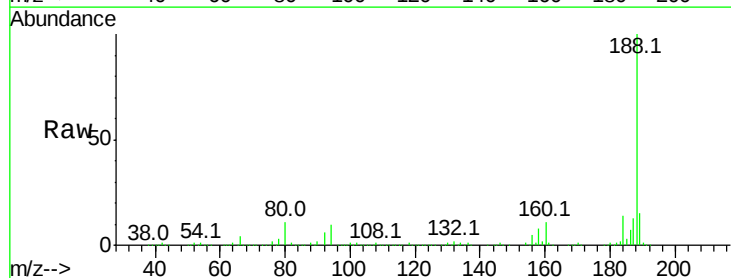
Instrument :
BNA_F
ClientSampleId :

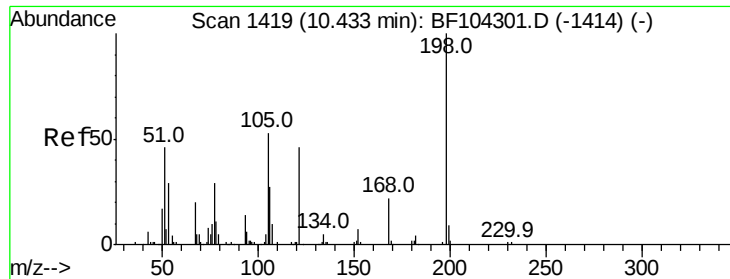
Tot Ion:149 Resp: 181465
Ion Ratio Lower Upper
149 100
177 20.8 16.1 24.1
150 11.9 10.1 15.1



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

Tgt Ion:188 Resp: 487909
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.3 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.529 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF104753.D

Acq: 24 Apr 2018 13:53

Instrument :

BNA_F

ClientSampleId :

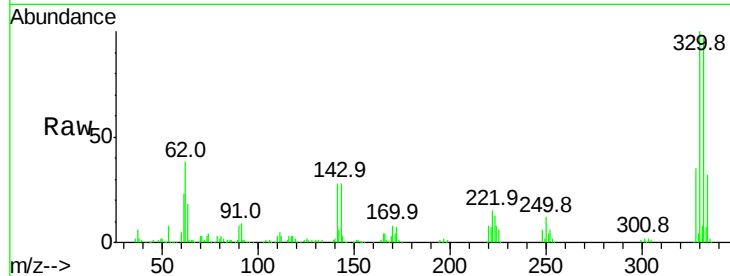
Tot Ion:198 Resp: 510

Ion Ratio Lower Upper

198 100

51 127.5 37.7 77.7#

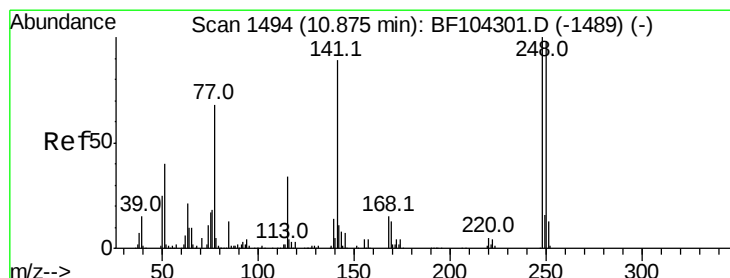
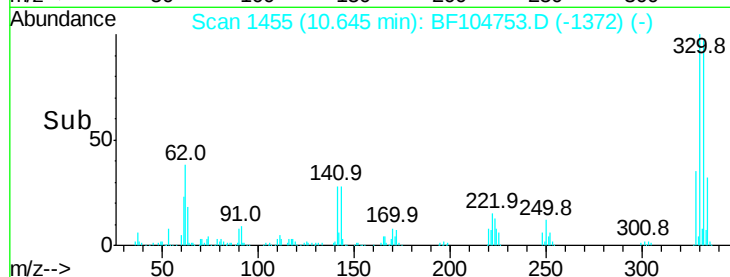
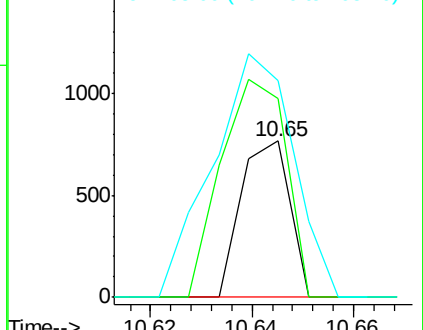
105 138.8 36.3 76.3#



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: 3.014 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.23 min

Lab File: BF104753.D

Acq: 24 Apr 2018 13:53

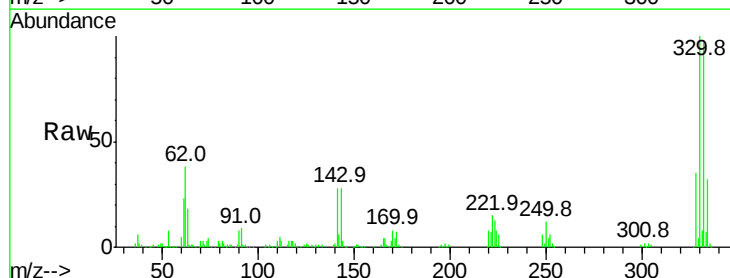
Tgt Ion:248 Resp: 15644

Ion Ratio Lower Upper

248 100

250 196.2 76.9 115.3#

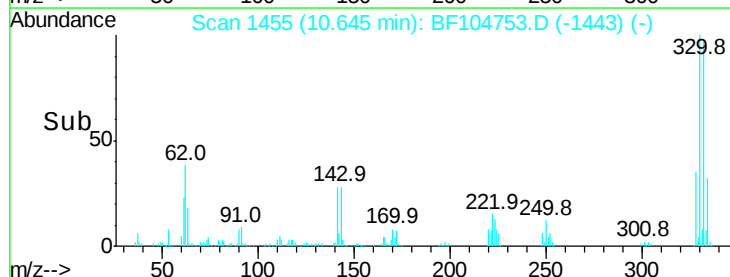
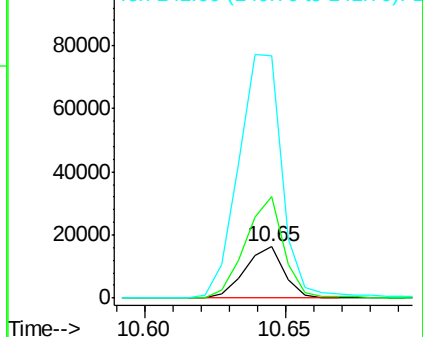
141 471.9 74.4 111.6#

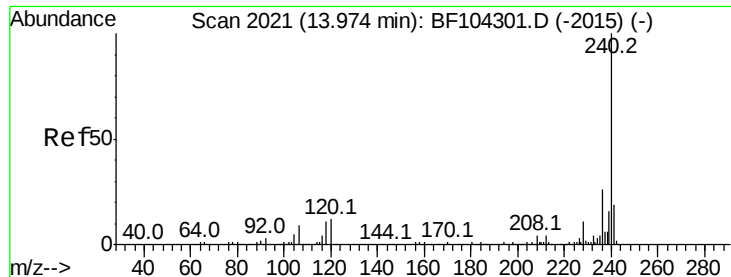


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104753.D

Acq: 24 Apr 2018 13:53

Instrument :

BNA_F

ClientSampleId :

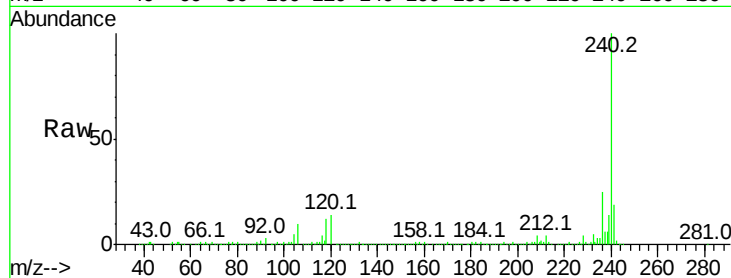
Tot Ion:240 Resp: 453787

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

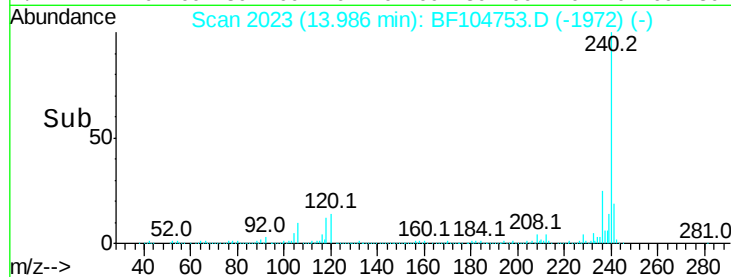
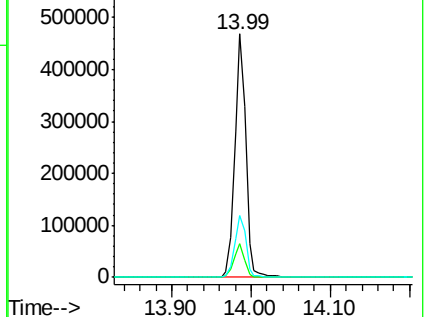
236 25.4 20.7 31.1



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



#78

Terphenyl-d14

Concen: 66.589 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104753.D

Acq: 24 Apr 2018 13:53

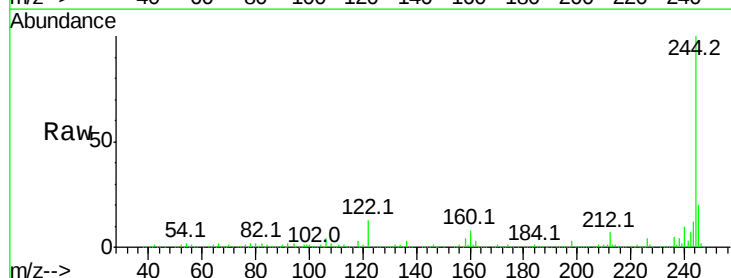
Tgt Ion:244 Resp: 1325424

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

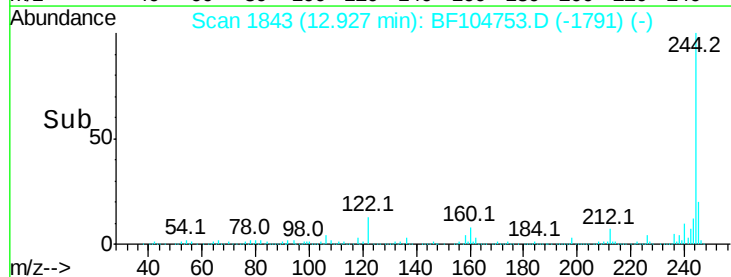
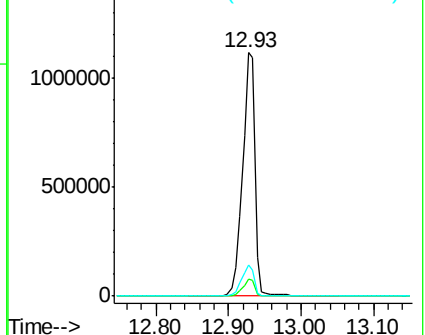
122 13.0 11.0 16.4

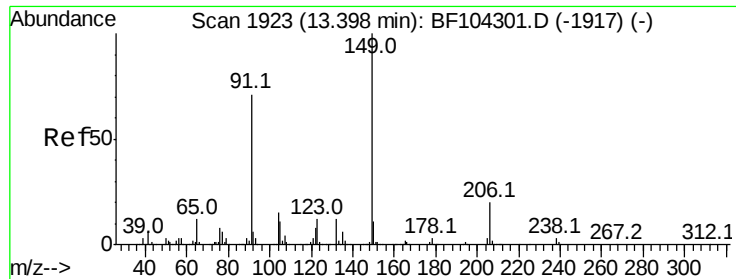


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

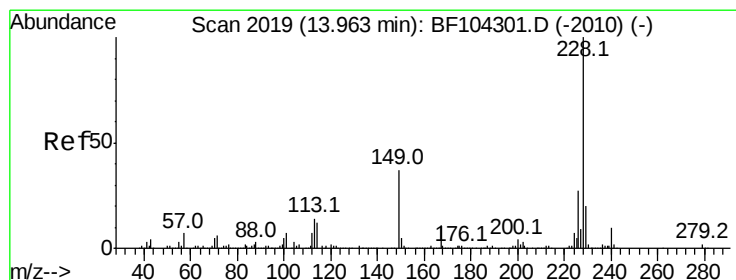
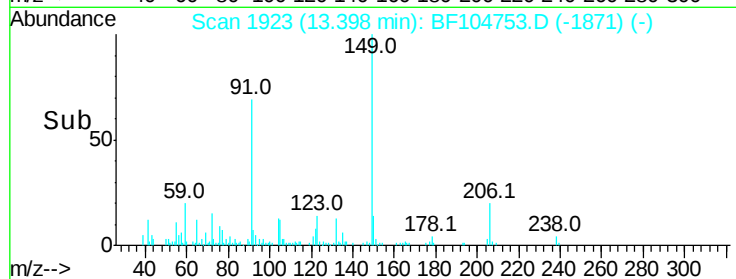
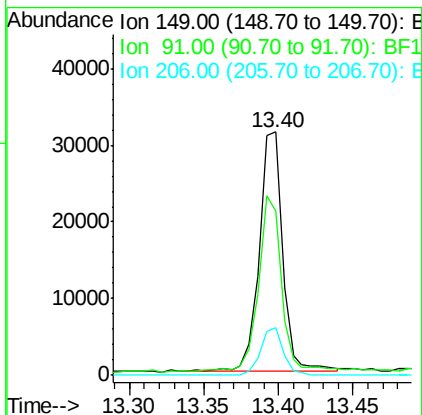
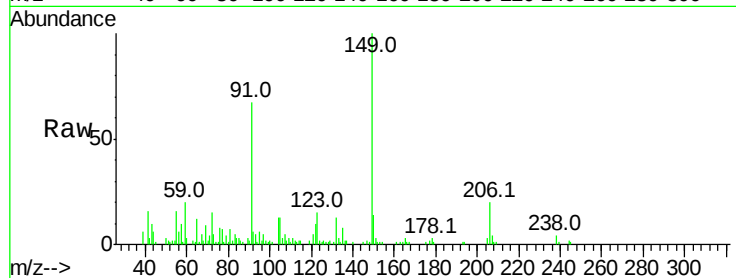




#79
 Butylbenzylphthalate
 Concen: 2.128 ng
 RT: 13.40 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: BF104753.D
 Acq: 24 Apr 2018 13:53

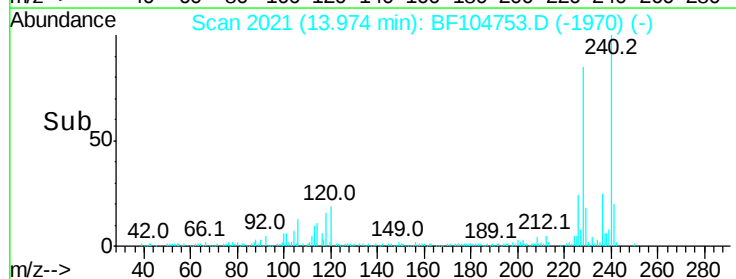
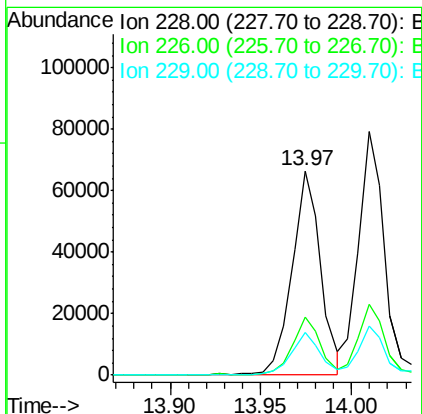
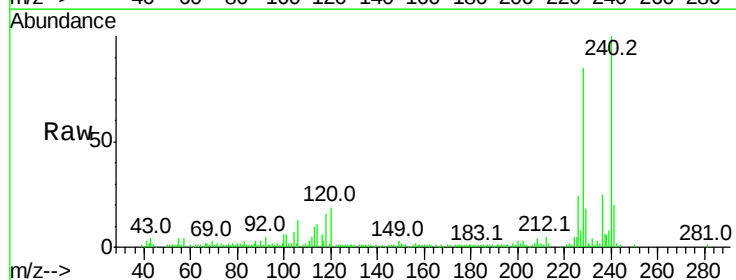
Instrument :
 BNA_F
 ClientSampleId :

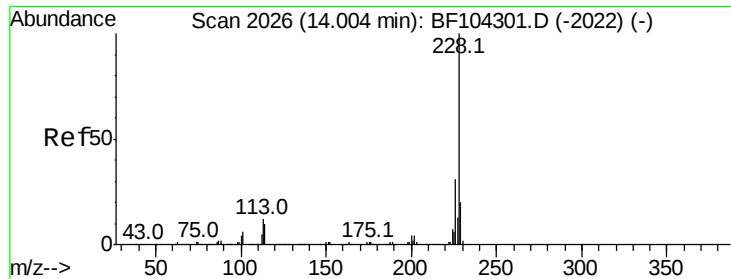
Tot Ion:	149	Resp:	33729
Ion	Ratio	Lower	Upper
149	100		
91	67.2	56.8	85.2
206	19.5	14.1	21.1



#80
 Benzo(a)anthracene
 Concen: 2.737 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF104753.D
 Acq: 24 Apr 2018 13:53

Tgt Ion:	228	Resp:	74205
Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.0	15.8	23.6





#82

Chrysene

Concen: 2.809 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF104753.D

Acq: 24 Apr 2018 13:53

Instrument :

BNA_F

ClientSampleId :

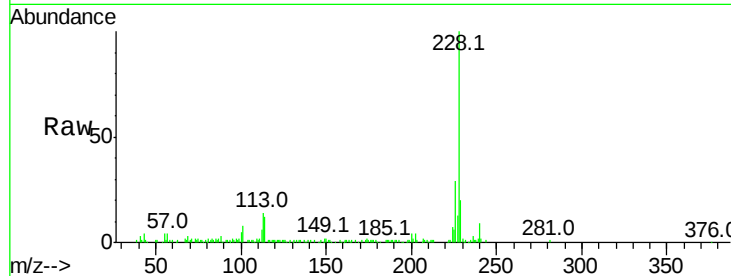
Tot Ion:228 Resp: 78209

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

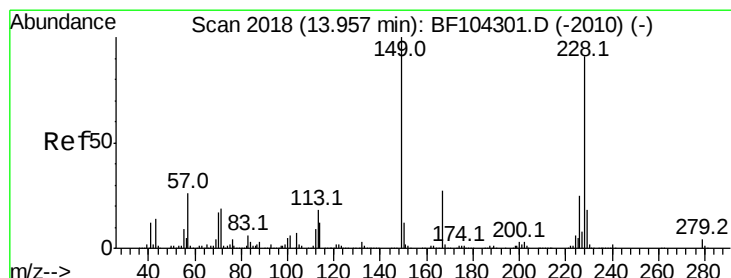
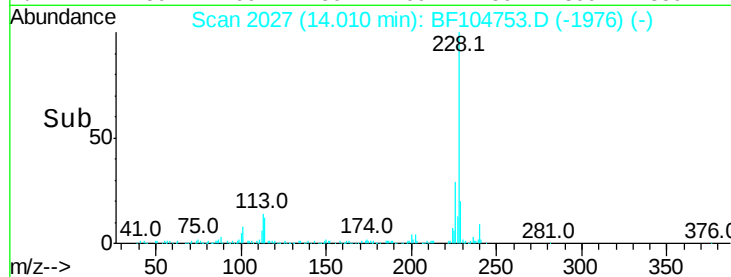
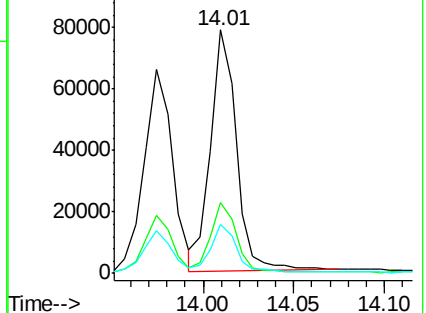
229 20.2 16.2 24.4



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: 2.510 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF104753.D

Acq: 24 Apr 2018 13:53

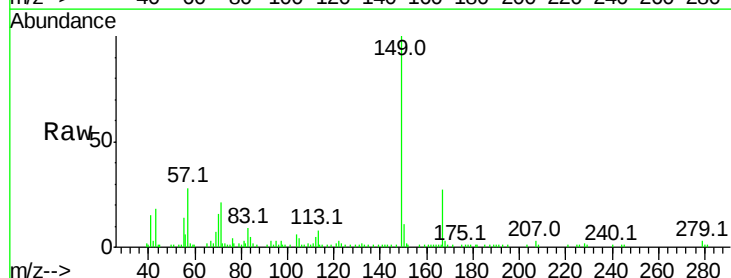
Tgt Ion:149 Resp: 51158

Ion Ratio Lower Upper

149 100

167 27.0 21.3 31.9

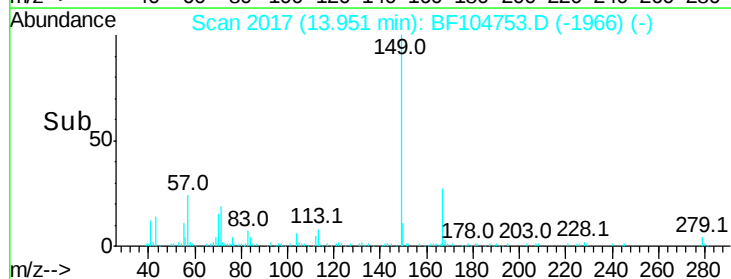
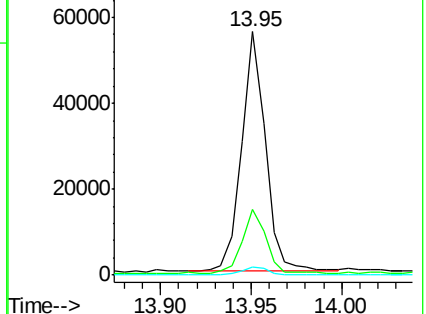
279 3.5 3.0 4.4

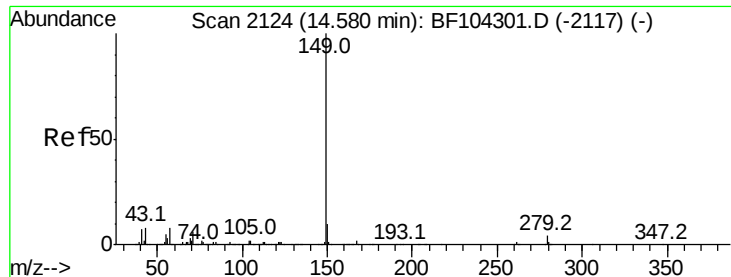


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

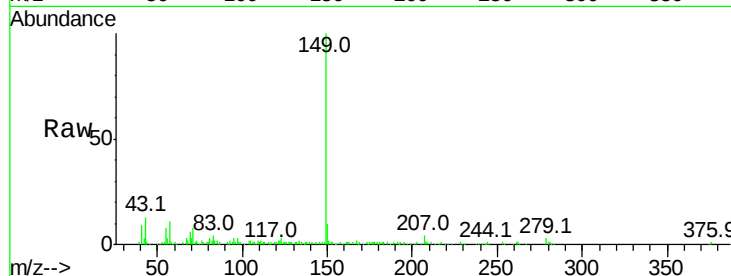




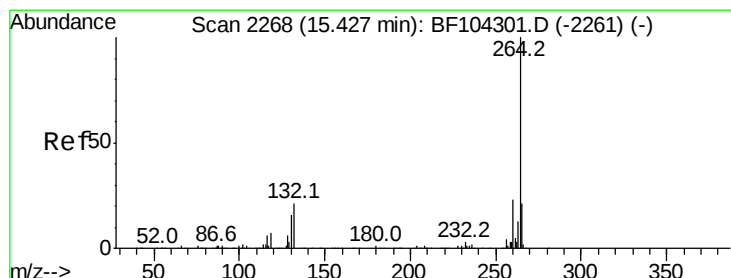
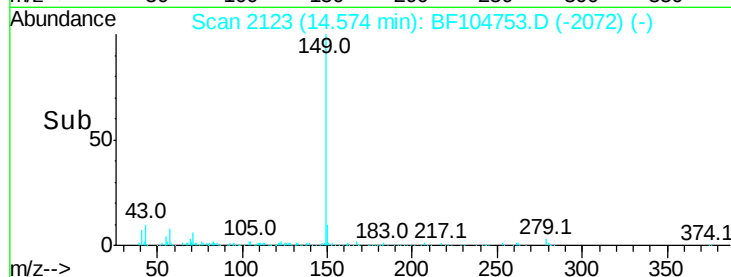
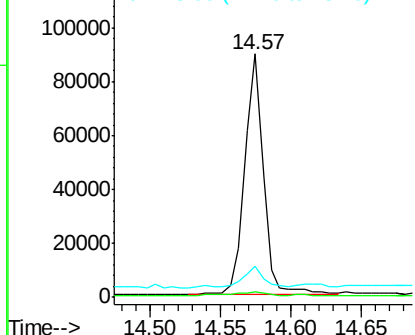
#84
Di-n-octyl phthalate
Concen: 2.431 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.00 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 82783
Ion Ratio Lower Upper
149 100
167 3.8 1.2 1.8#
43 8.9 8.4 12.6

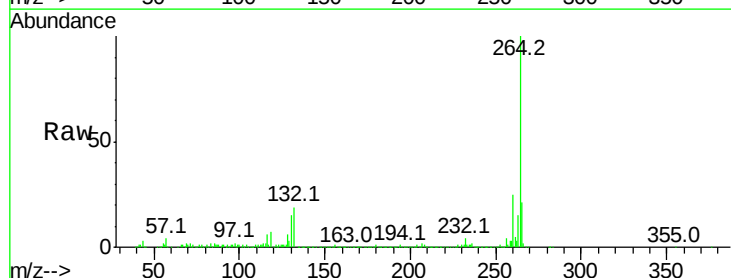


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

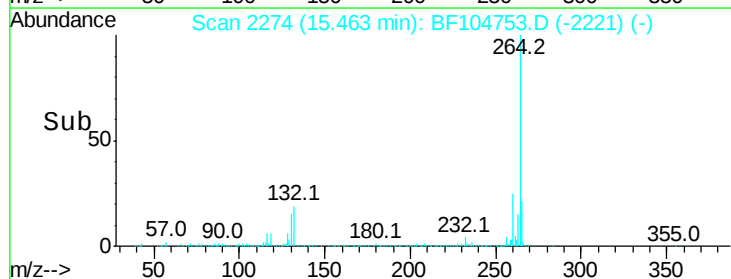
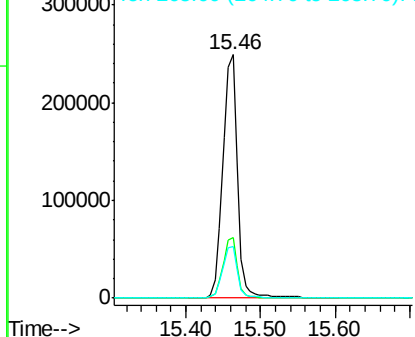


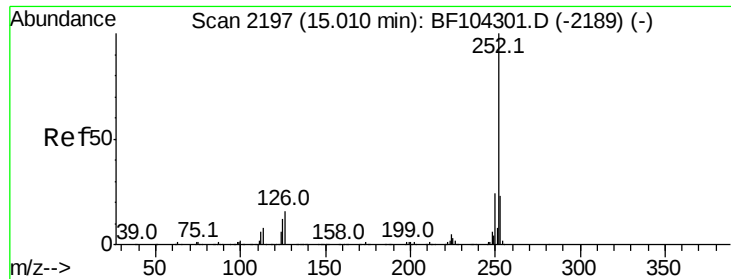
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

Tgt Ion:264 Resp: 343676
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 21.3 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

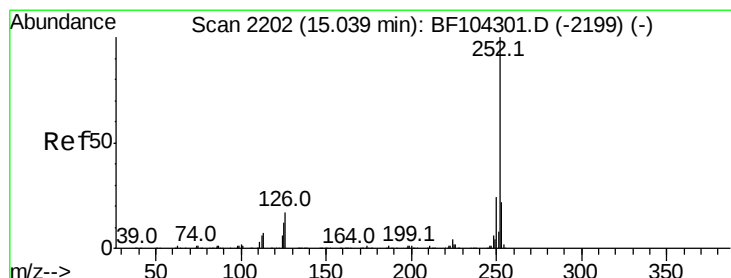
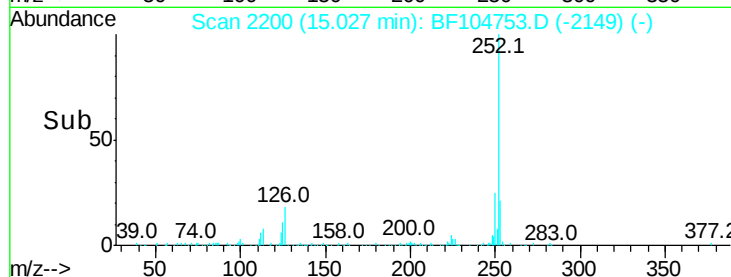
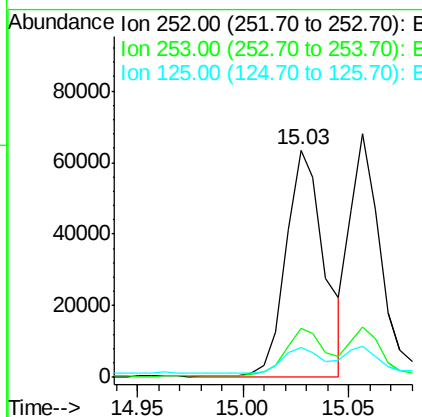
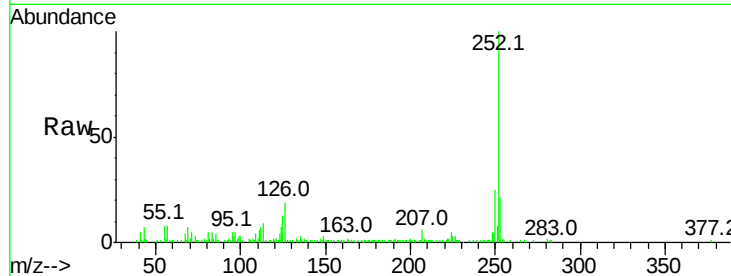




#87
Benzo(b)fluoranthene
Concen: 3.732 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

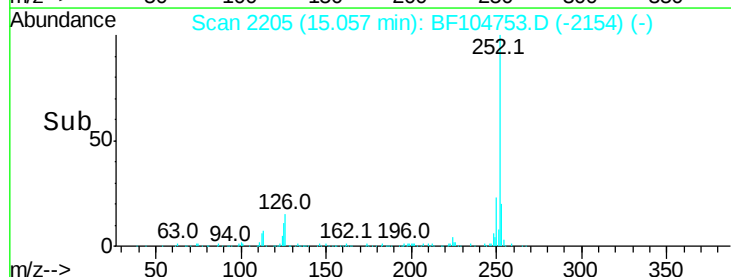
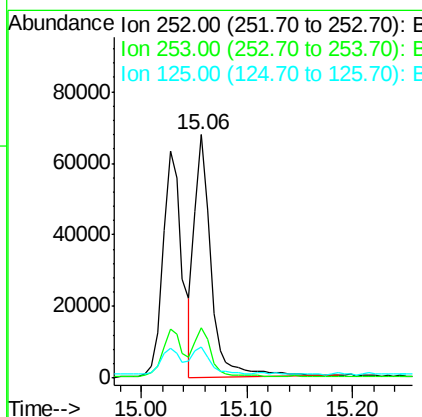
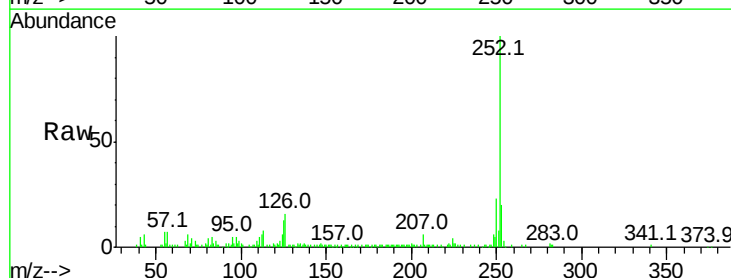
Instrument :
BNA_F
ClientSampleId :

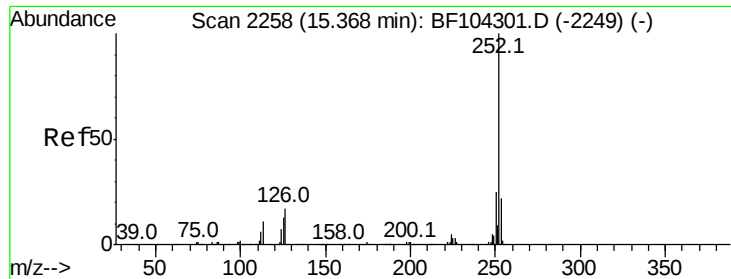
Tot Ion:252 Resp: 80998
Ion Ratio Lower Upper
252 100
253 21.3 17.0 25.6
125 13.2 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 3.570 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF104753.D
Acq: 24 Apr 2018 13:53

Tgt Ion:252 Resp: 73166
Ion Ratio Lower Upper
252 100
253 20.4 17.9 26.9
125 12.8 10.2 15.2





#89

Benzo(a)pyrene

Concen: 3.125 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.00 min

Lab File: BF104753.D

Acq: 24 Apr 2018 13:53

Instrument :

BNA_F

ClientSampleId :

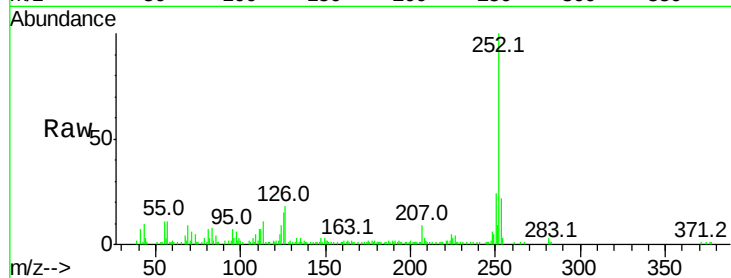
Tot Ion:252 Resp: 60701

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 14.8 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

