

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104766.D
 Acq On : 24 Apr 2018 19:41
 Operator : JU/SJ
 Sample : J2508-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:58:42 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	6.81	152	99432	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	404477	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	175765	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	281486	20.00	ng	0.00
75) Chrysene-d12	13.99	240	211036	20.00	ng	0.00
86) Perylene-d12	15.46	264	153577	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	534249	82.16	ng	0.01
7) Phenol-d6	6.45	99	661550	82.80	ng	0.00
23) Nitrobenzene-d5	7.37	82	397615	64.19	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	149682	82.10	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	677127	60.86	ng	0.00
78) Terphenyl-d14	12.93	244	538901	58.22	ng	0.00

Target Compounds

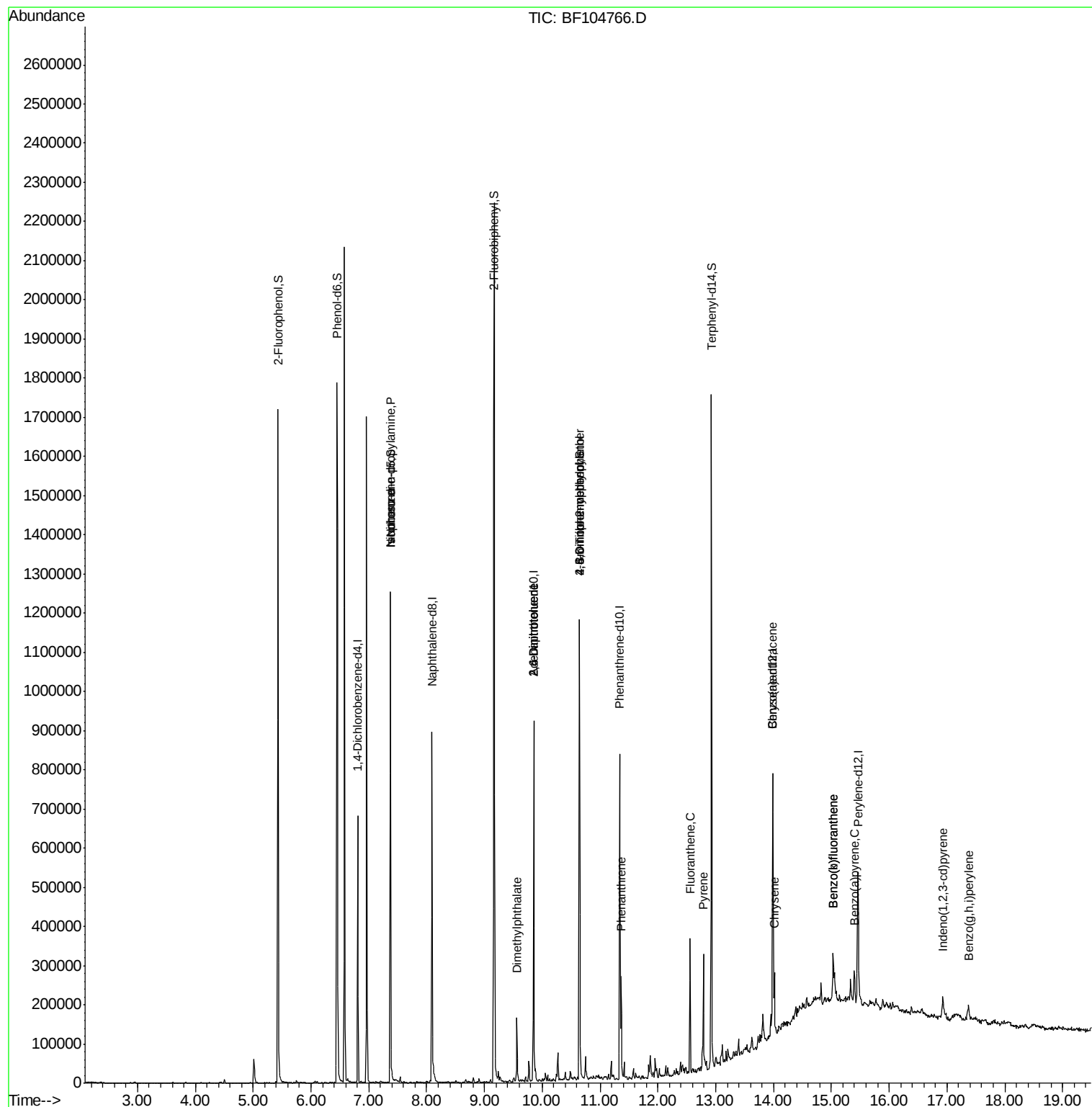
						Qvalue
9) Benzaldehyde	6.45	77	1334	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	53121	10.174	ng	# 72
25) Isophorone	7.37	82	397612	30.355	ng	# 64
49) Dimethylphthalate	9.56	163	65505	4.726	ng	99
50) 2,6-Dinitrotoluene	9.85	165	22290	8.691	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	22290	6.626	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.64	198	255	7.505	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	8690	2.902	ng	# 1
70) Phenanthrene	11.36	178	89012	5.678	ng	97
74) Fluoranthene	12.56	202	123905	7.565	ng	95
76) Benzidine	12.93	184	7318	Below Cal		95
77) Pyrene	12.79	202	109403	6.994	ng	98
80) Benzo(a)anthracene	13.98	228	54204	4.299	ng	92
82) Chrysene	14.02	228	62075	4.793	ng	95
85) Indeno(1,2,3-cd)pyrene	16.93	276	26162	2.378	ng	94
87) Benzo(b)fluoranthene	15.03	252	94029	9.694	ng	95
88) Benzo(k)fluoranthene	15.03	252	94029	10.268	ng	98
89) Benzo(a)pyrene	15.40	252	35902	4.137	ng	# 92
91) Benzo(a,h,i)perylene	17.37	276	27647	4.003	ng	94

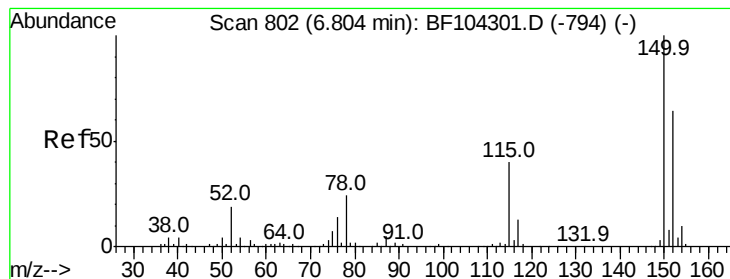
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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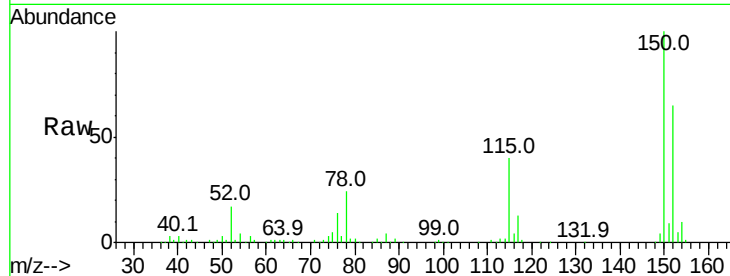


#1

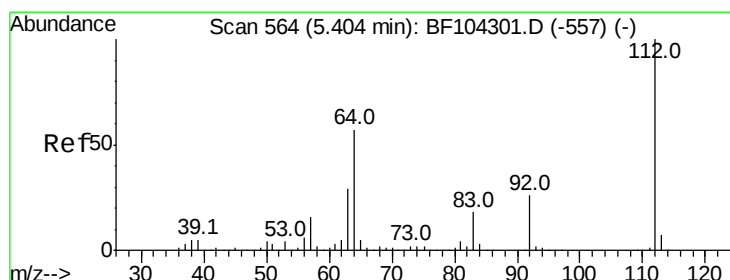
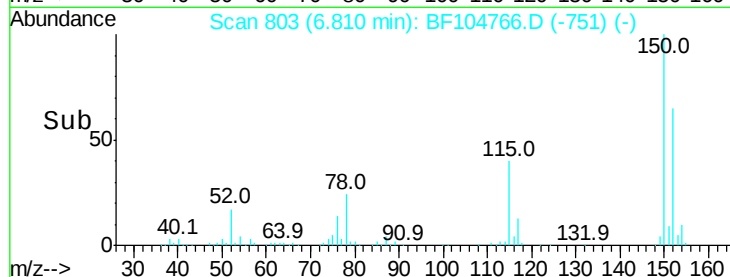
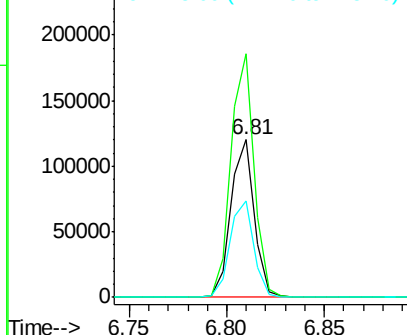
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 99432
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 61.5 50.1 75.1



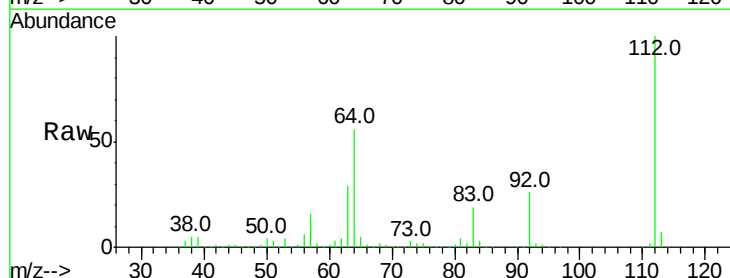
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



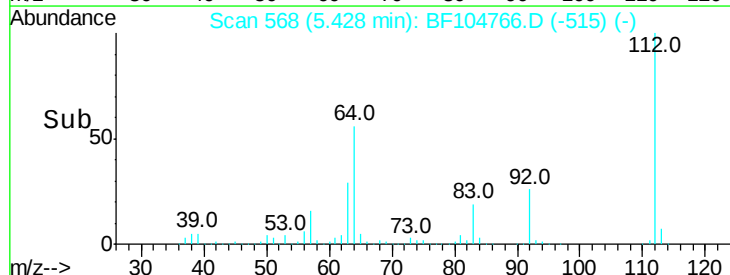
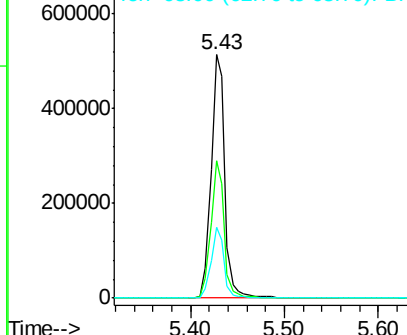
#5

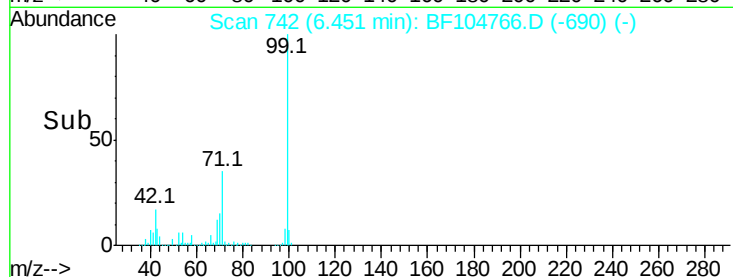
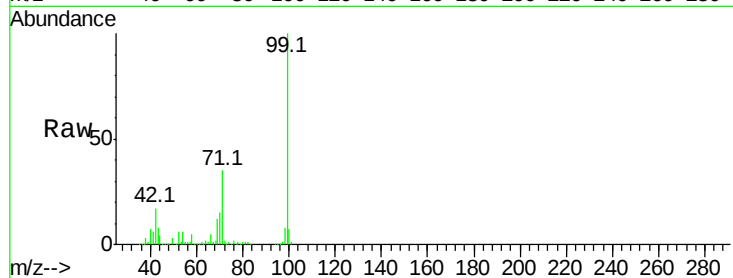
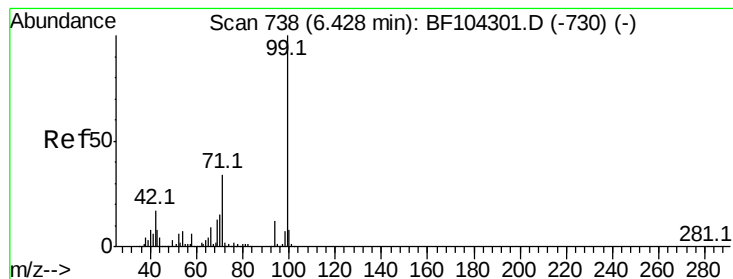
2-Fluorophenol
Concen: 82.156 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

Tgt Ion:112 Resp: 534249
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 28.9 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: 82.799 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

Instrument :

BNA_F

ClientSampleId :

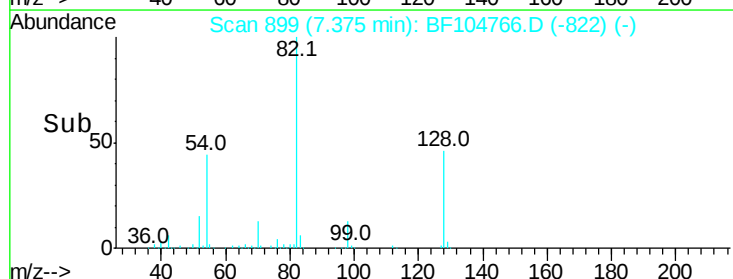
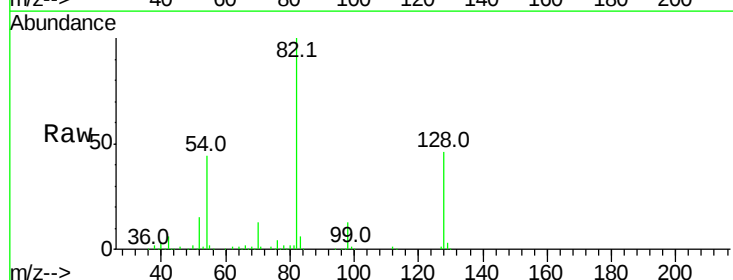
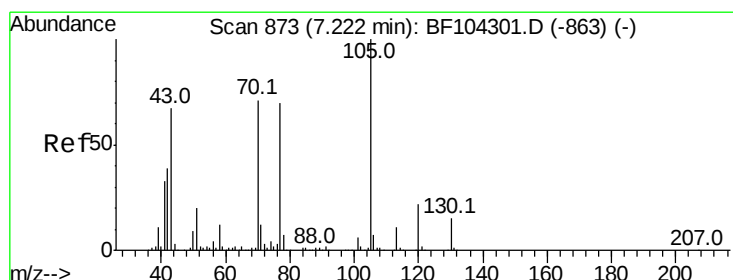
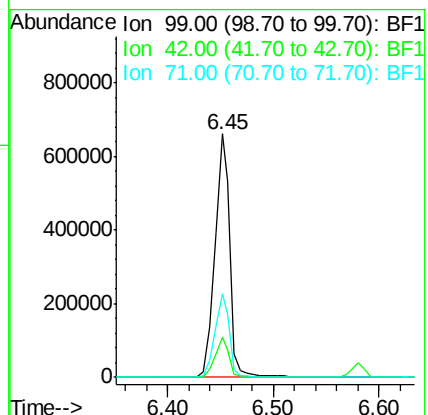
Tot Ion: 99 Resp: 661550

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

71 34.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.174 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

Tgt Ion: 70 Resp: 53121

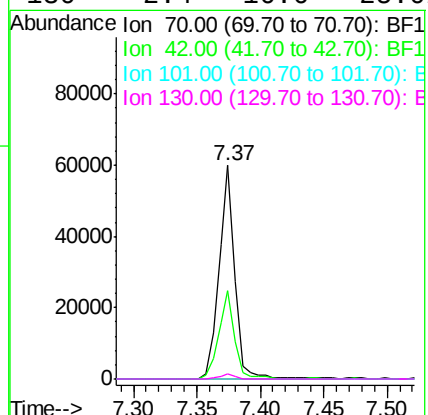
Ion Ratio Lower Upper

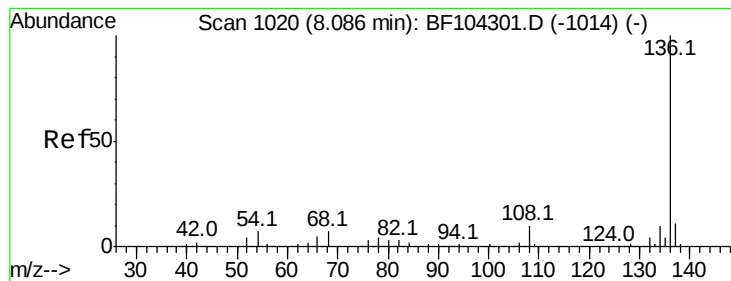
70 100

42 41.5 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: BF104766.D

Acq: 24 Apr 2018 19:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 404477

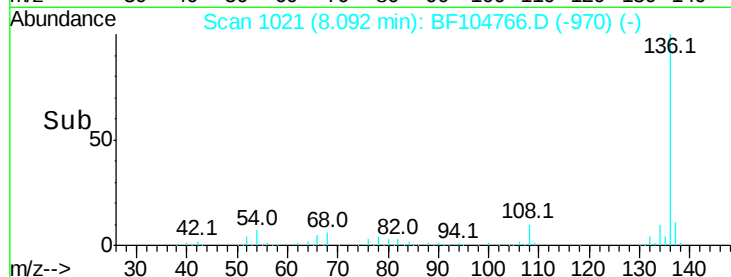
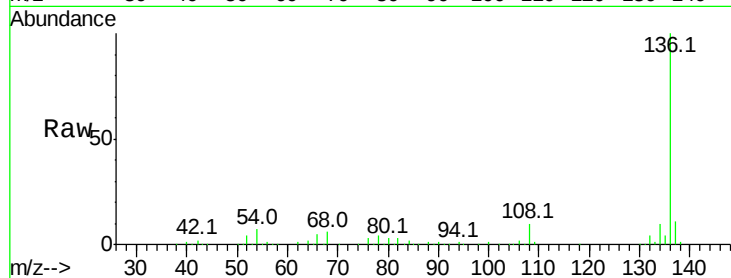
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.7 6.6 9.8

68 5.6 5.0 7.4

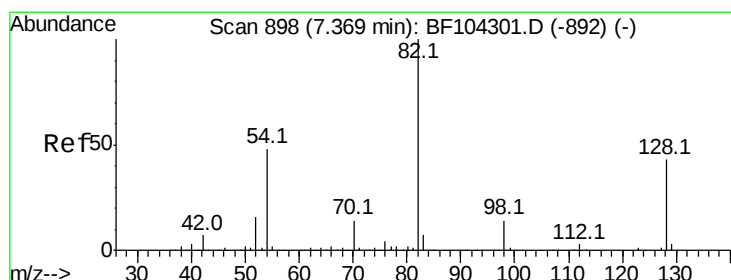
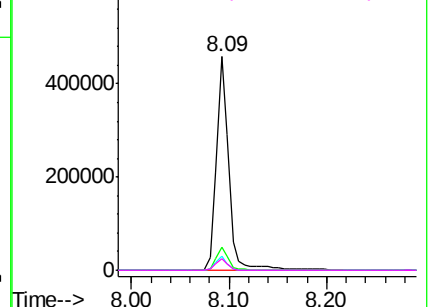


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 64.190 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

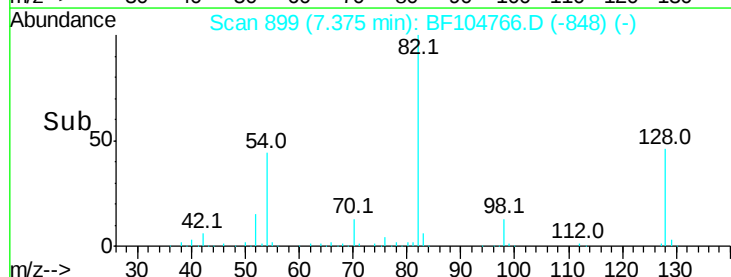
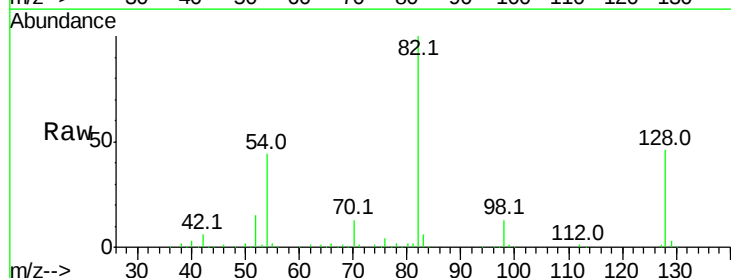
Tgt Ion: 82 Resp: 397615

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

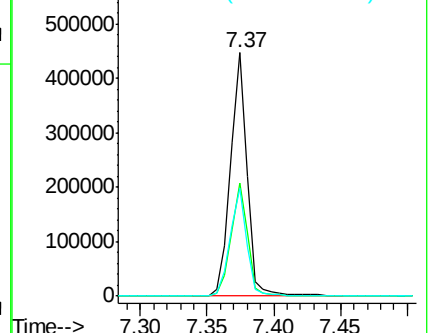
54 44.2 41.4 62.2

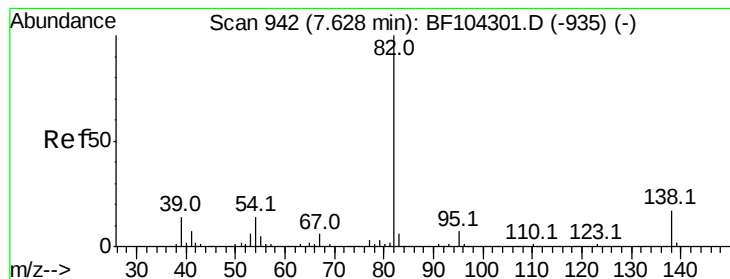


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.355 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

Instrument :

BNA_F

ClientSampled :

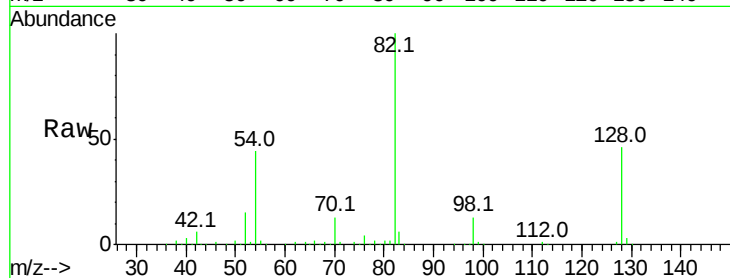
Tot Ion: 82 Resp: 397612

Ion Ratio Lower Upper

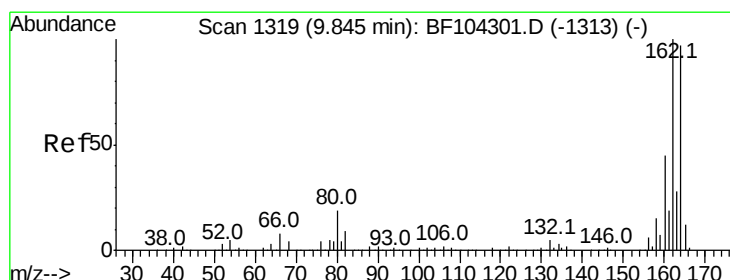
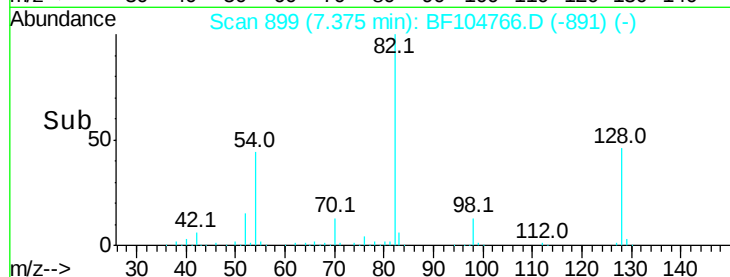
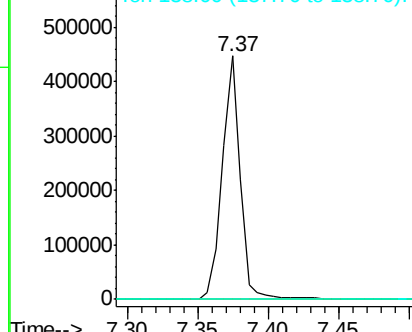
82 100

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# 1320

Delta R.T. 0.01 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

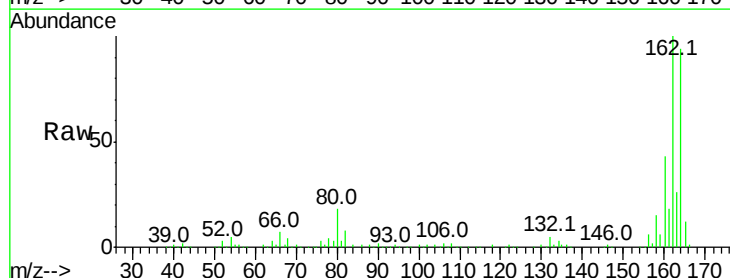
Tgt Ion:164 Resp: 175765

Ion Ratio Lower Upper

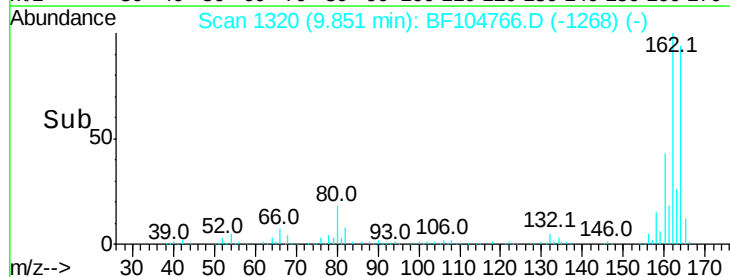
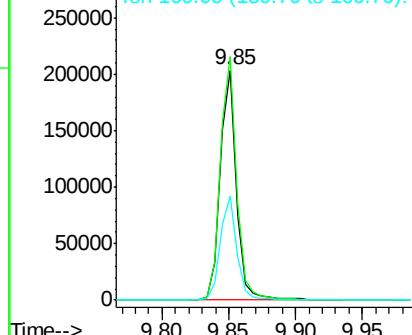
164 100

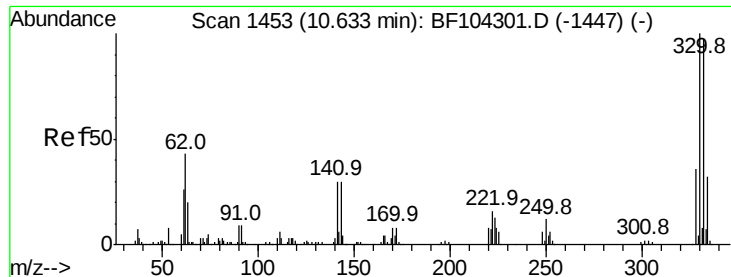
162 105.9 86.1 129.1

160 45.4 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

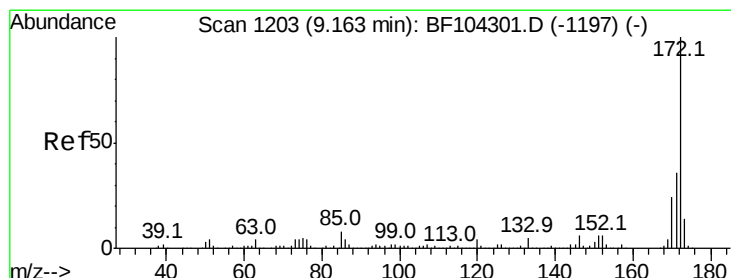
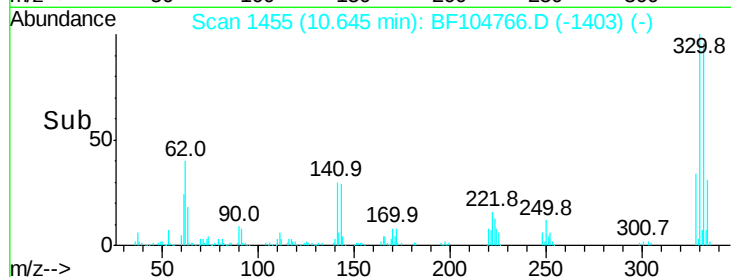
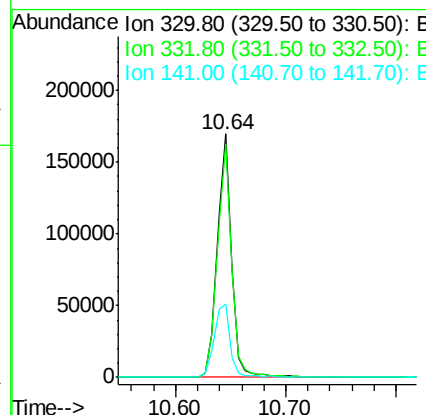
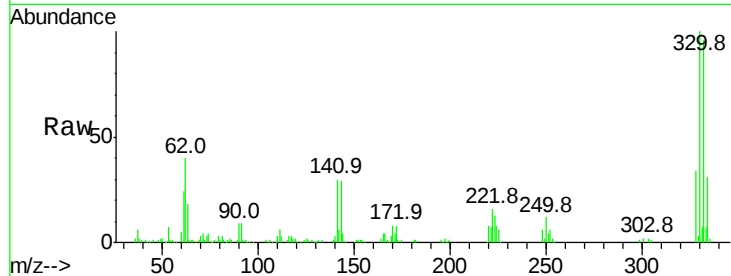




#41
 2,4,6-Tribromophenol
 Concen: 82.096 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104766.D
 Acq: 24 Apr 2018 19:41

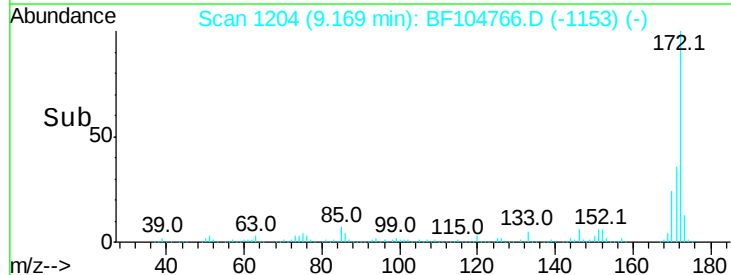
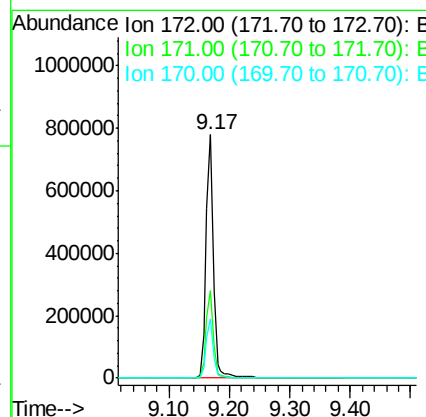
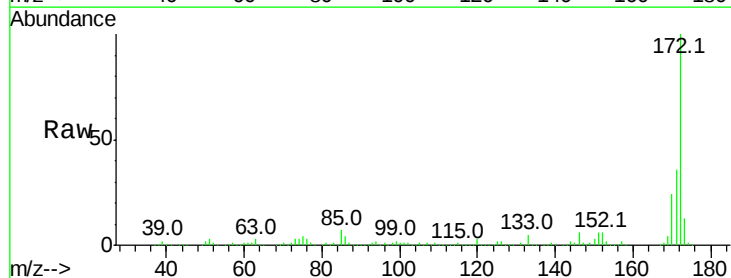
Instrument :
 BNA_F
 ClientSampleId :

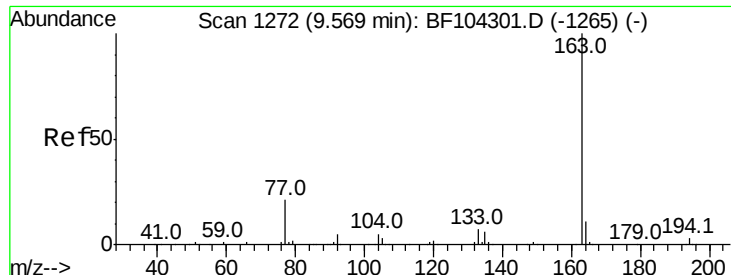
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	34.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 60.859 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104766.D
 Acq: 24 Apr 2018 19:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.3	19.6	29.4

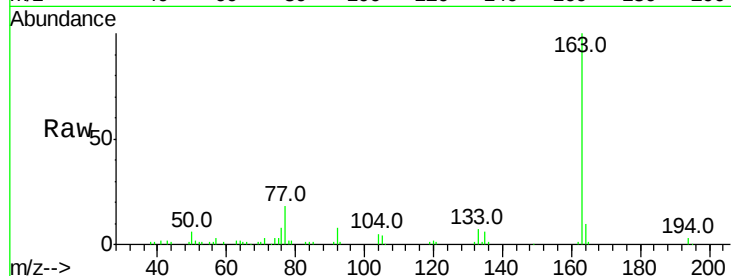




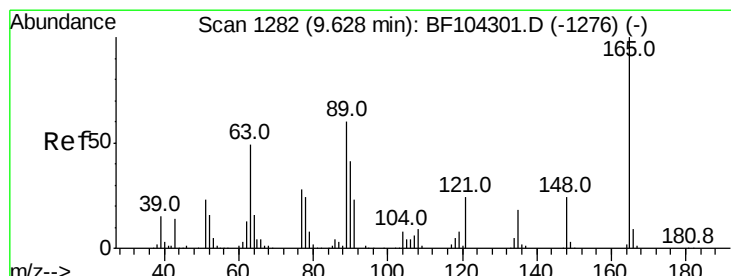
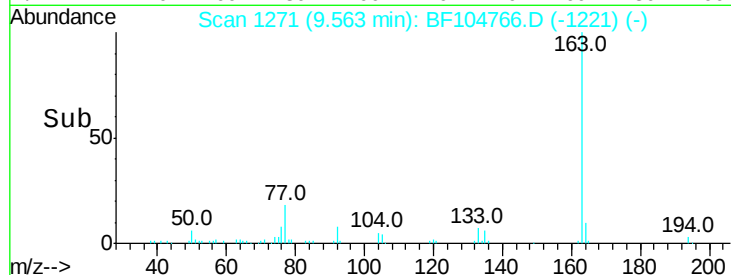
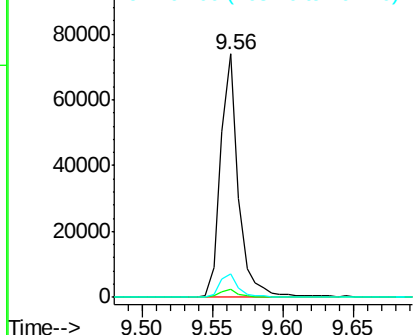
#49
Dimethylphthalate
Concen: 4.726 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.6	8.2	12.2

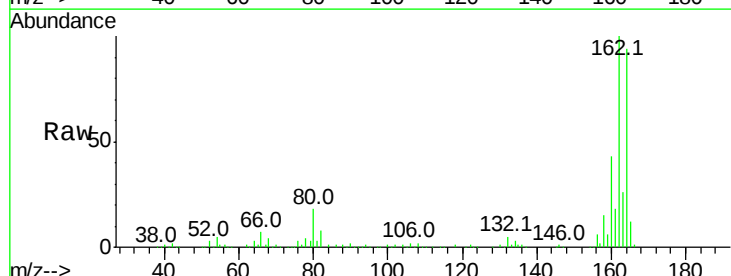


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

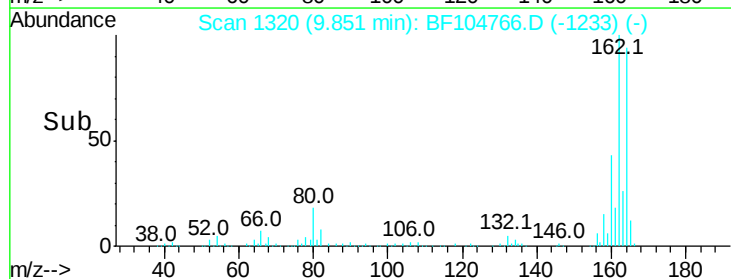
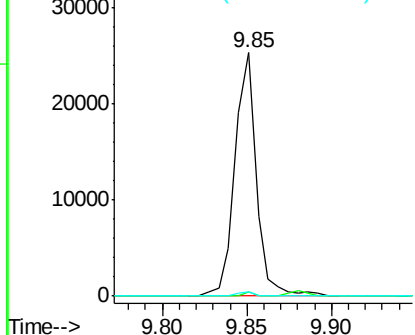


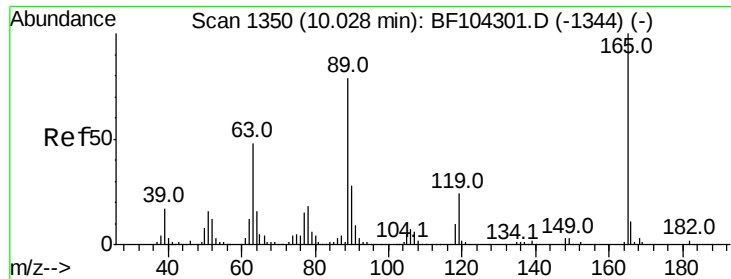
#50
2,6-Dinitrotoluene
Concen: 8.691 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	1.7	44.0	66.0#



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





#56

2,4-Dinitrotoluene

Concen: 6.626 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 22290

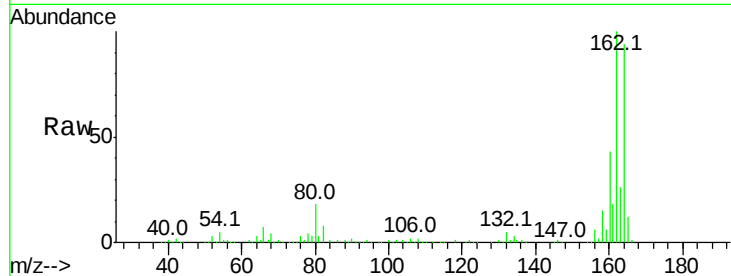
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

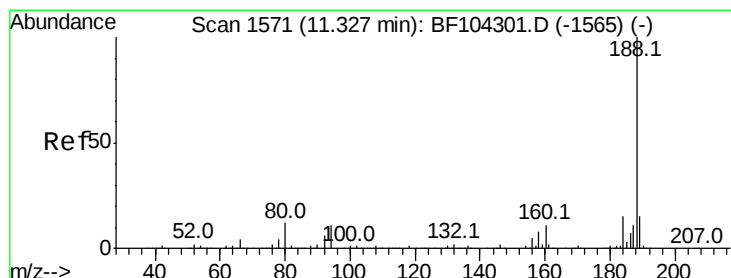
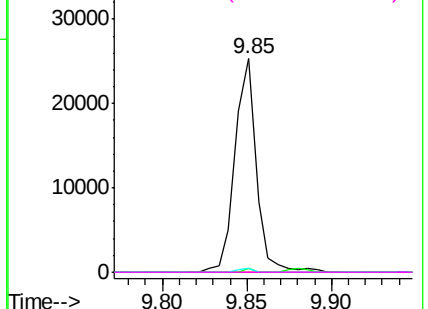
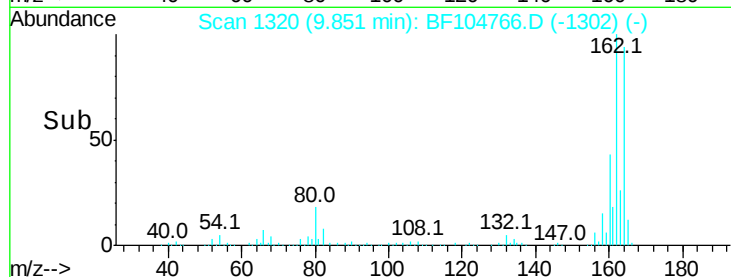


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

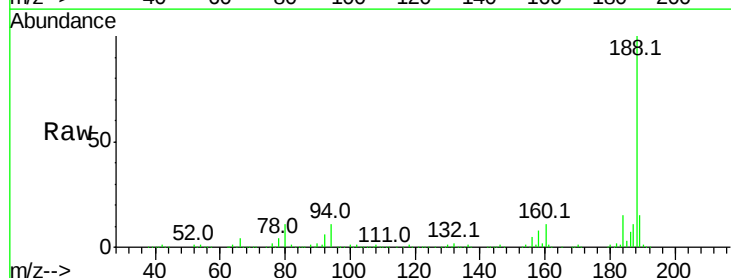
Tgt Ion:188 Resp: 281486

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

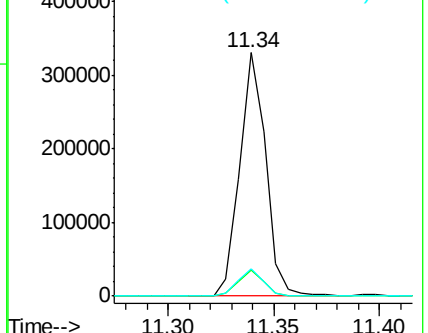
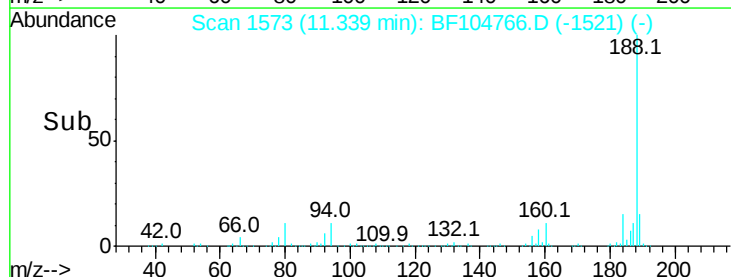
80 11.1 9.2 13.8

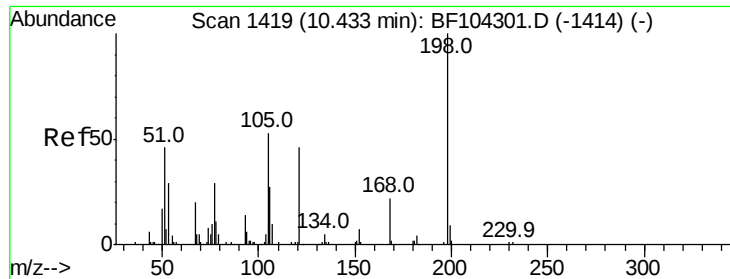


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 7.505 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

Instrument :

BNA_F

ClientSampleId :

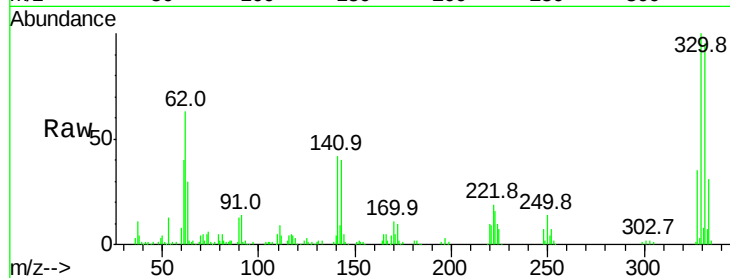
Tot Ion:198 Resp: 255

Ion Ratio Lower Upper

198 100

51 197.4 37.7 77.7#

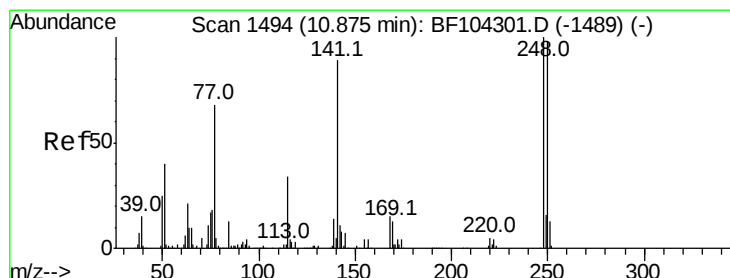
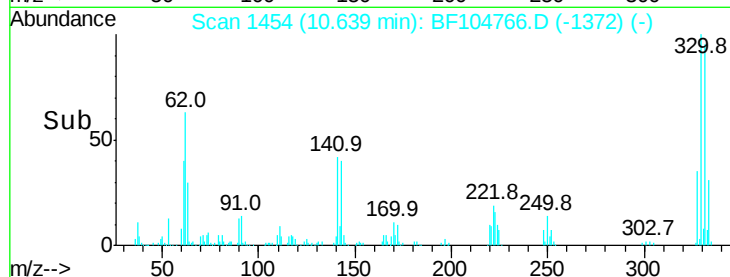
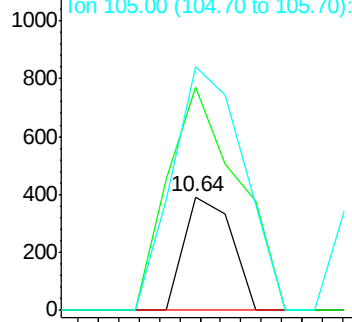
105 215.1 36.3 76.3#



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: 2.902 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.23 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

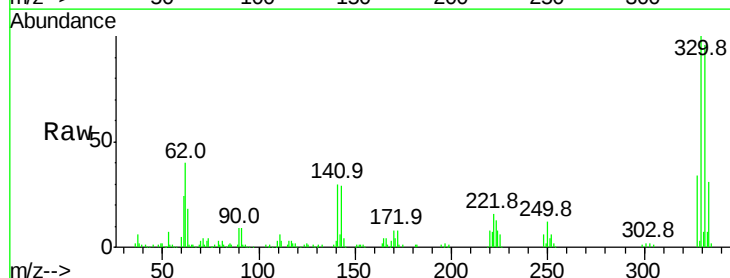
Tgt Ion:248 Resp: 8690

Ion Ratio Lower Upper

248 100

250 211.5 76.9 115.3#

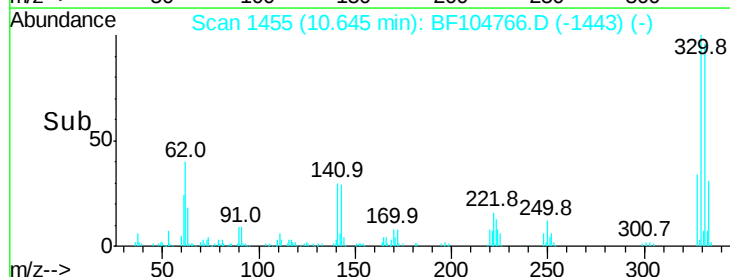
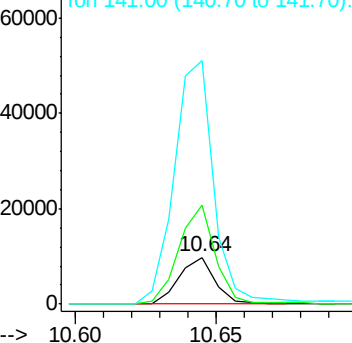
141 521.0 74.4 111.6#

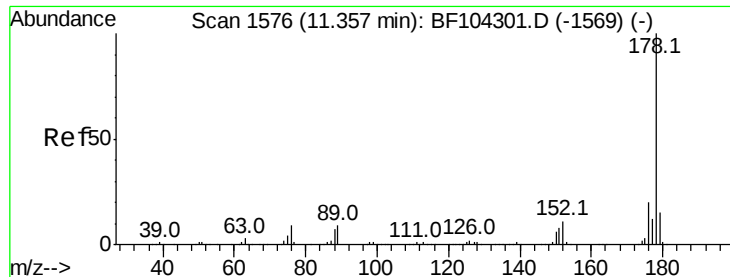


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

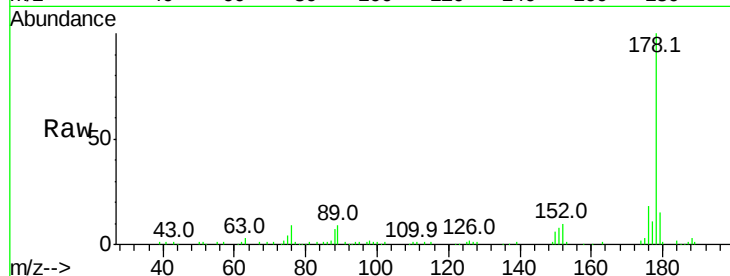




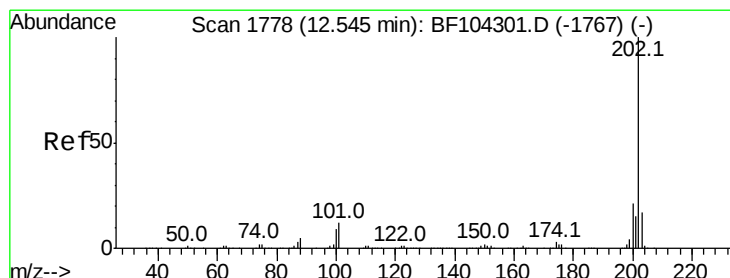
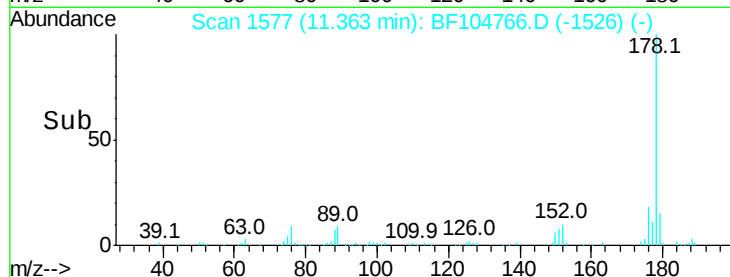
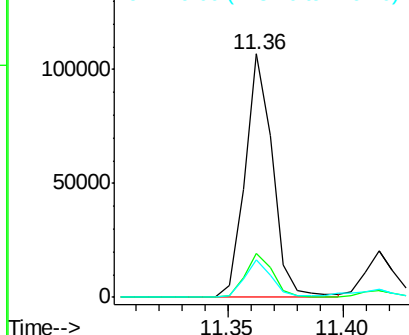
#70
Phenanthrene
Concen: 5.678 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 89012
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.5 13.0 19.6

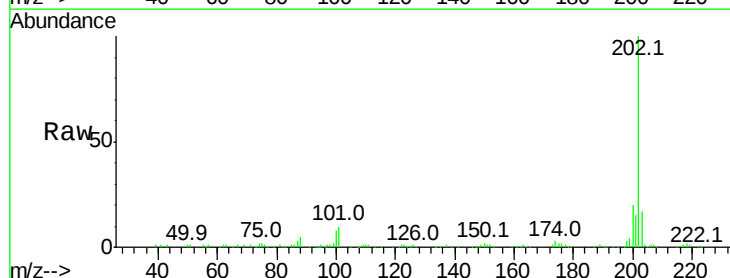


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

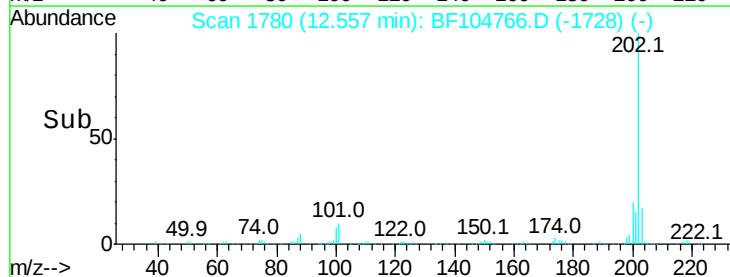
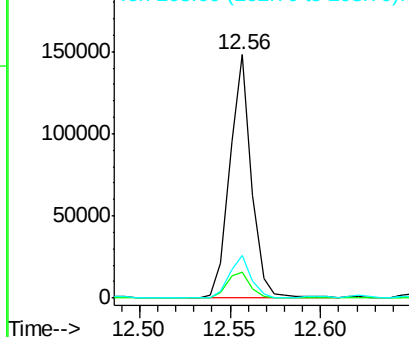


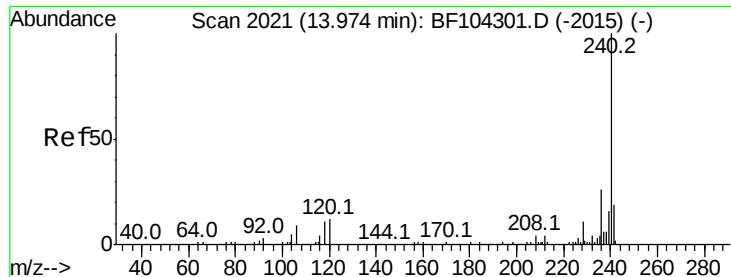
#74
Fluoranthene
Concen: 7.565 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

Tgt Ion:202 Resp: 123905
Ion Ratio Lower Upper
202 100
101 10.5 0.0 34.1
203 17.4 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: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

Instrument :

BNA_F

ClientSampleId :

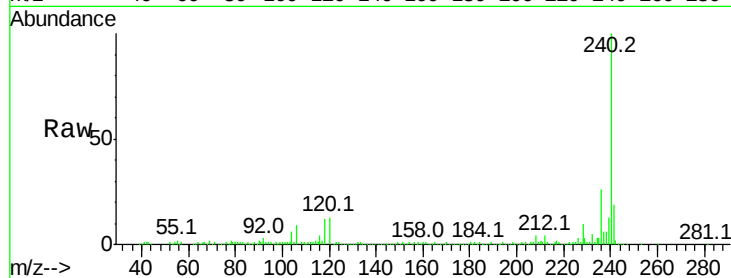
Tot Ion:240 Resp: 211036

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

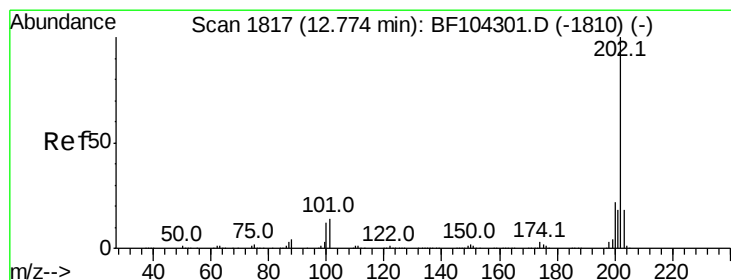
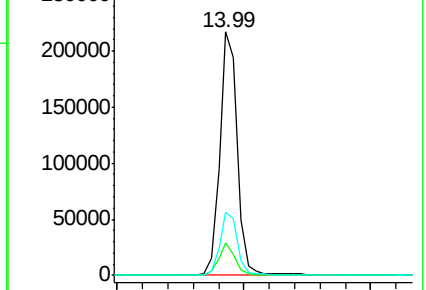
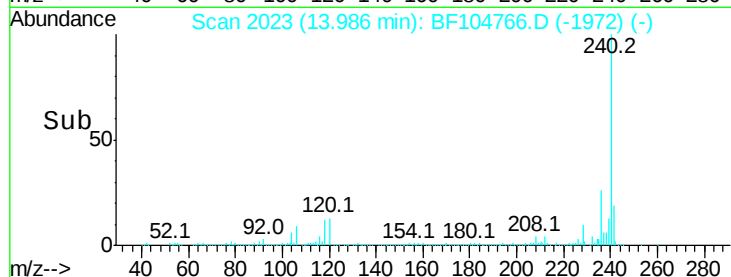
236 25.8 20.7 31.1



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: 6.994 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

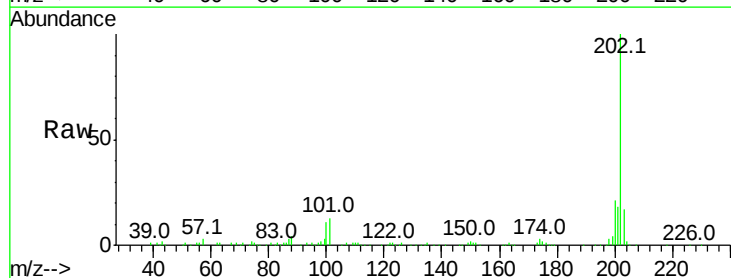
Tgt Ion:202 Resp: 109403

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

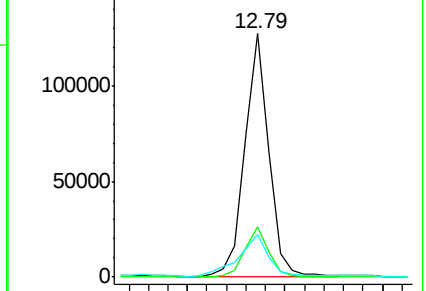
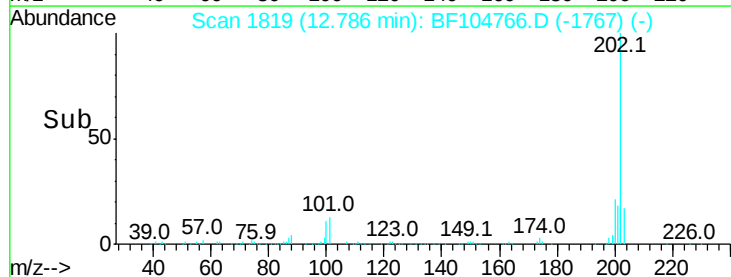
203 17.5 14.3 21.5

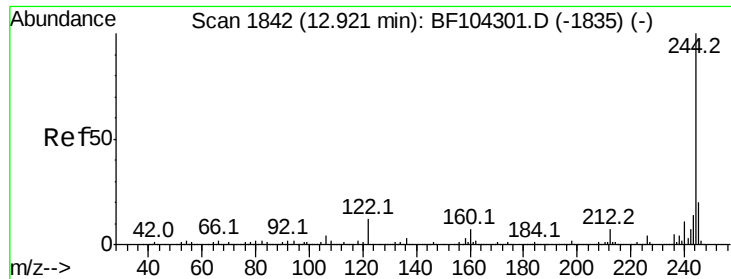


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

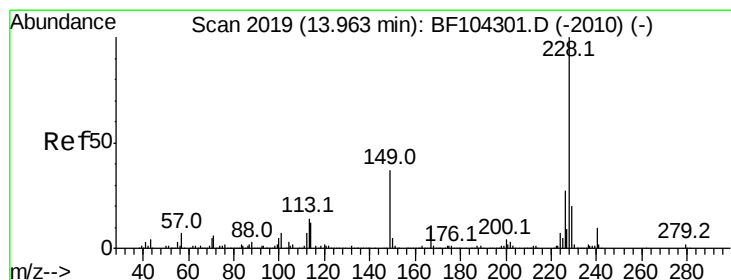
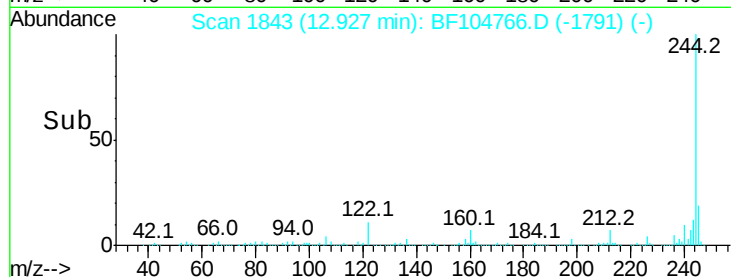
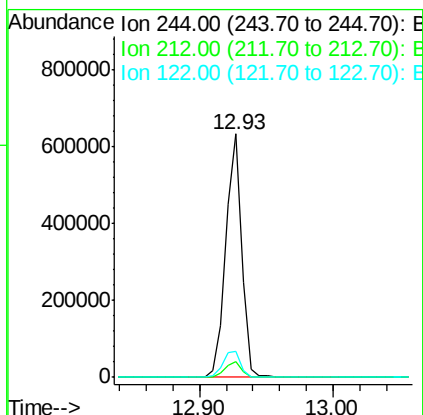
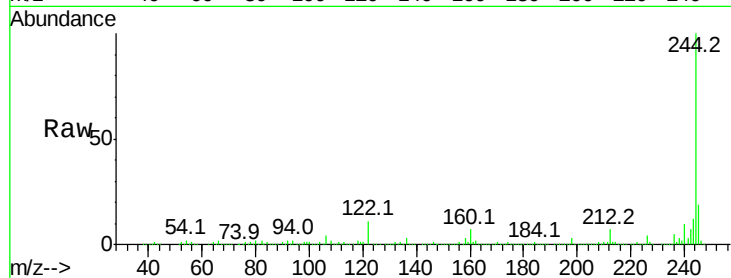




#78
 Terphenyl-d14
 Concen: 58.218 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104766.D
 Acq: 24 Apr 2018 19:41

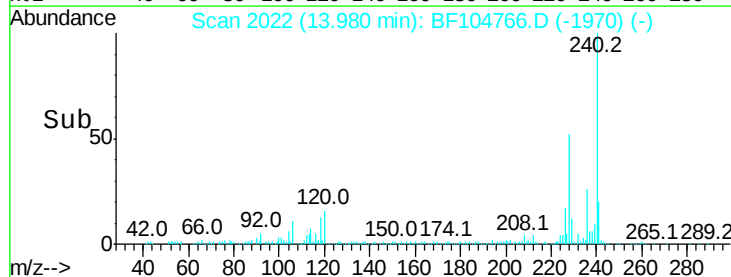
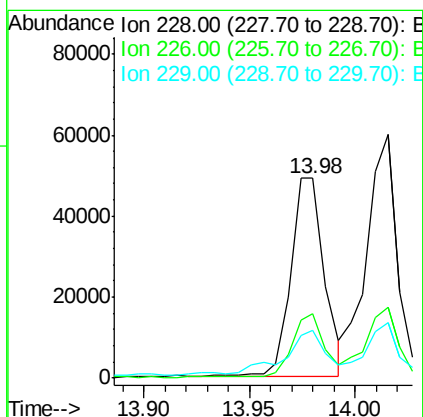
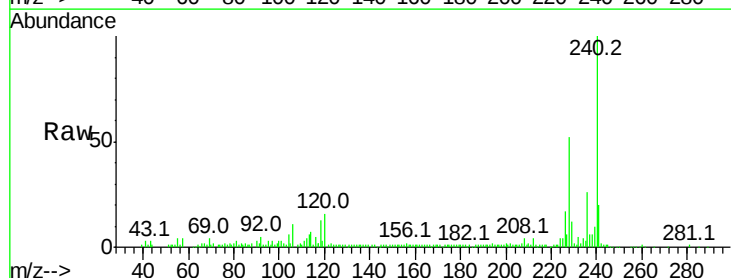
Instrument :
 BNA_F
 ClientSampleId :

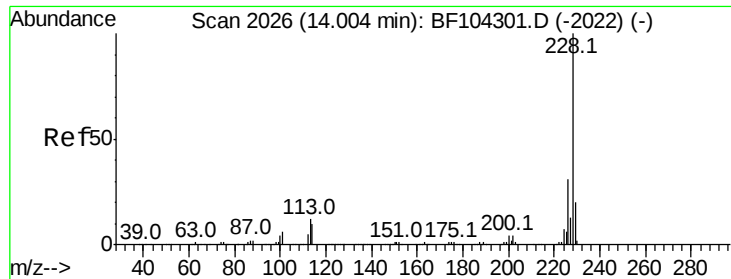
Tot Ion:244 Resp: 538901
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.9 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 4.299 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF104766.D
 Acq: 24 Apr 2018 19:41

Tgt Ion:228 Resp: 54204
 Ion Ratio Lower Upper
 228 100
 226 32.1 22.6 33.8
 229 23.6 15.8 23.6

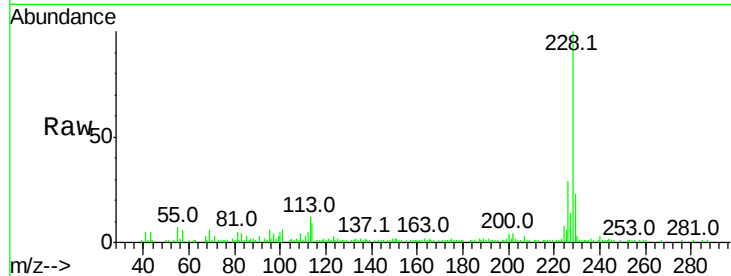




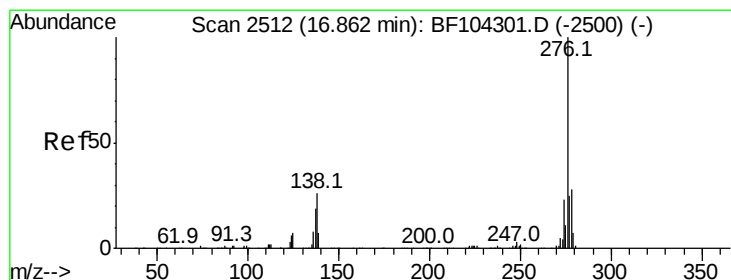
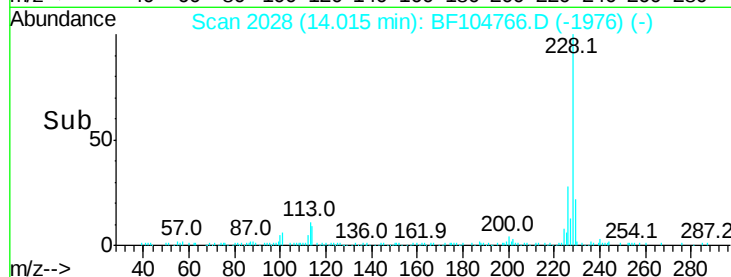
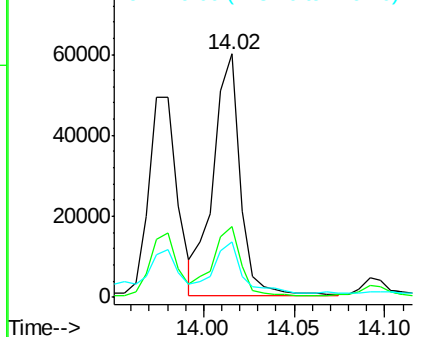
#82
Chrysene
Concen: 4.793 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 62075
Ion Ratio Lower Upper
228 100
226 29.0 25.0 37.6
229 23.0 16.2 24.4

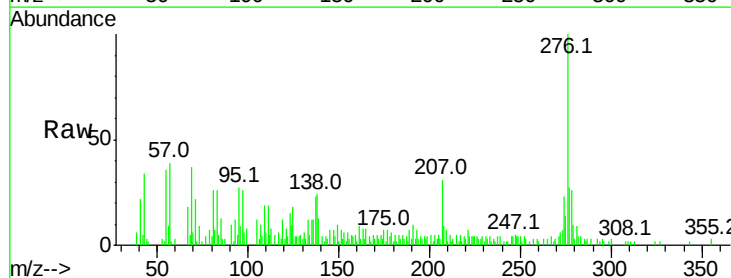


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

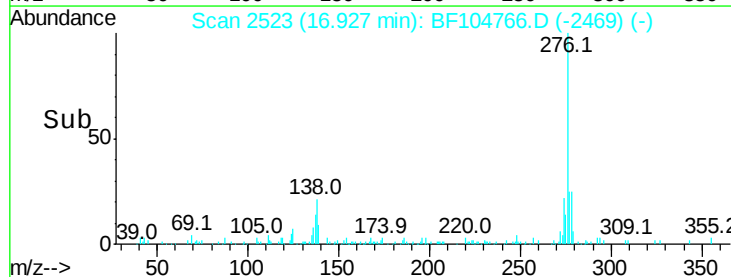
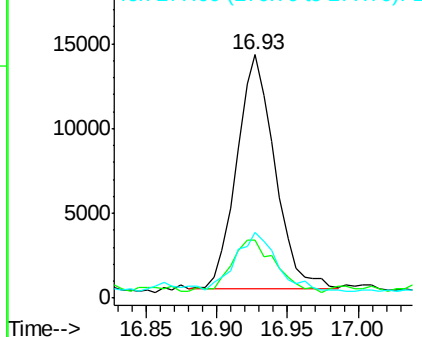


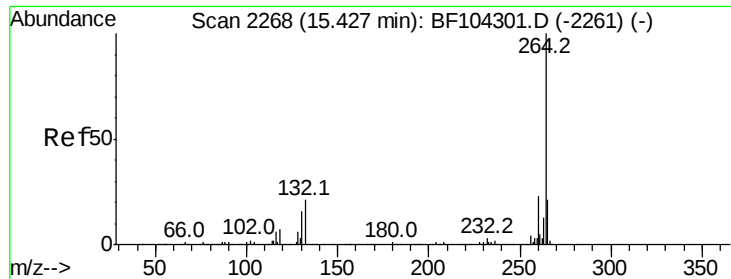
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.378 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

Tgt Ion:276 Resp: 26162
Ion Ratio Lower Upper
276 100
138 26.9 25.0 37.6
277 27.3 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

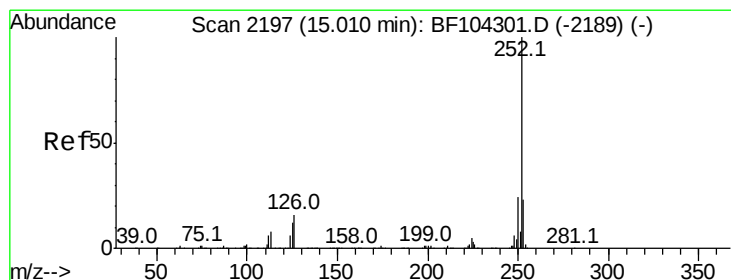
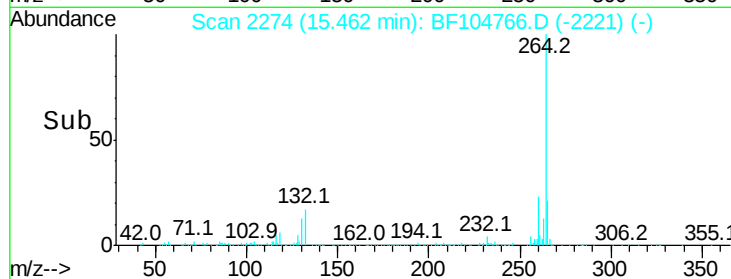
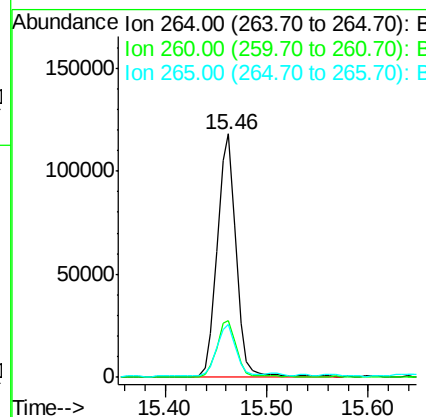
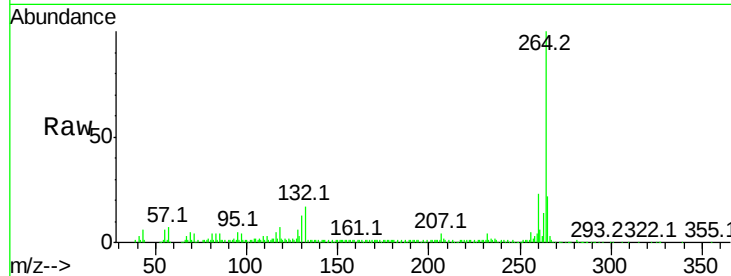




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

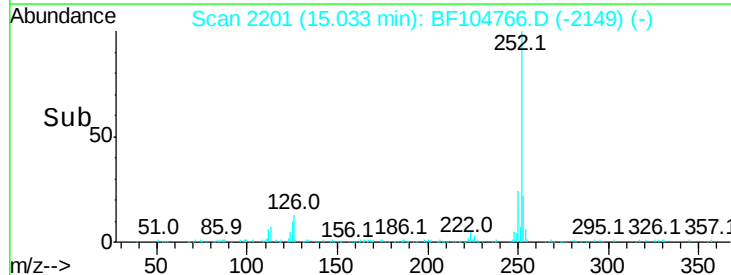
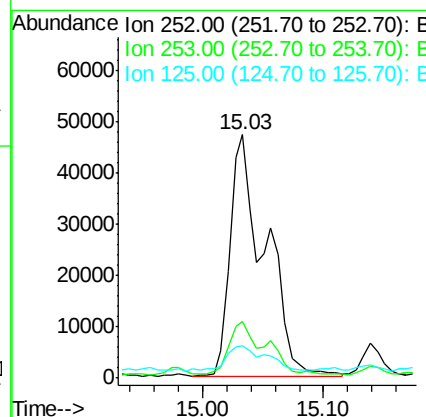
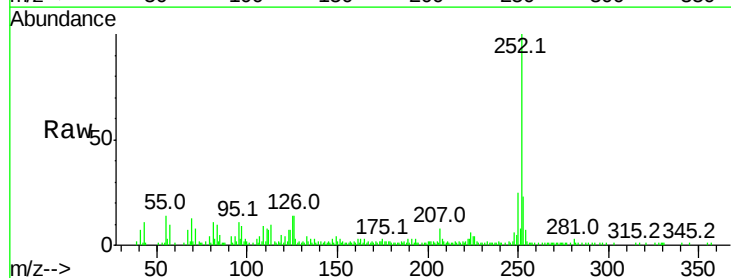
Instrument :
BNA_F
ClientSampleId :

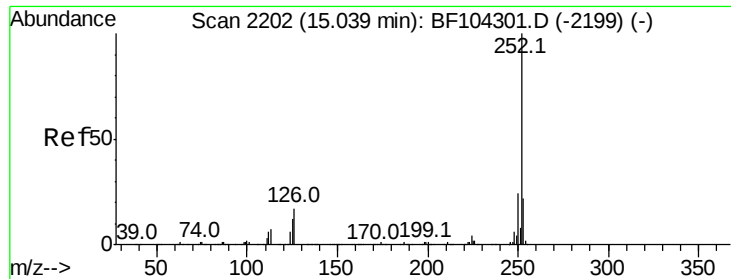
Tot Ion:264 Resp: 153577
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 9.694 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

Tgt Ion:252 Resp: 94029
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 13.5 9.0 13.6

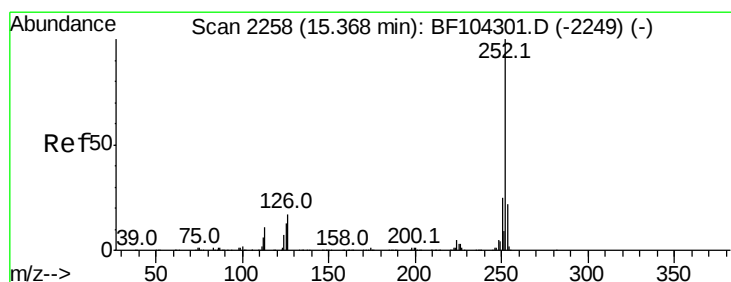
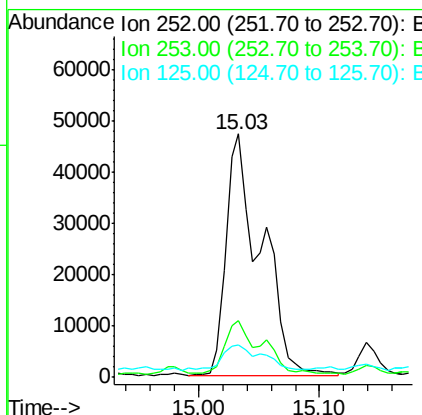
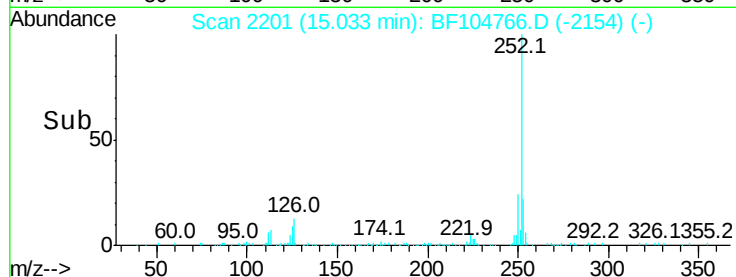
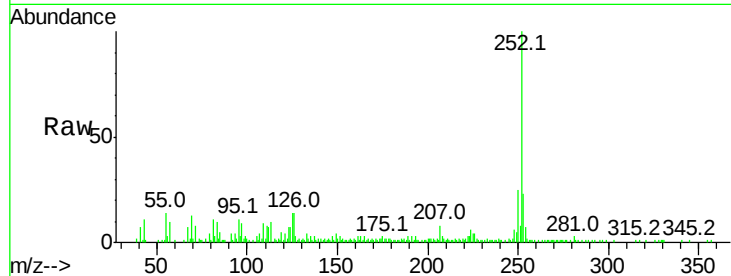




#88
Benzo(k)fluoranthene
Concen: 10.268 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

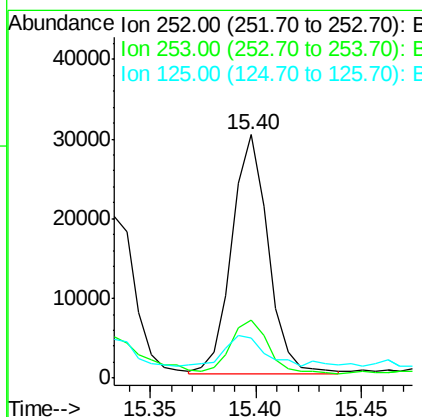
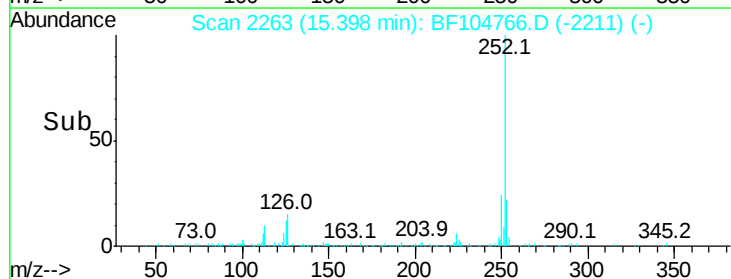
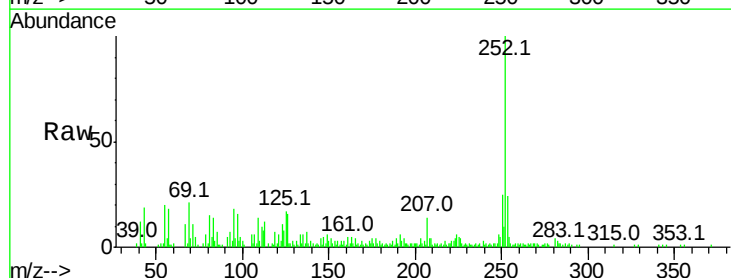
Instrument :
BNA_F
ClientSampleId :

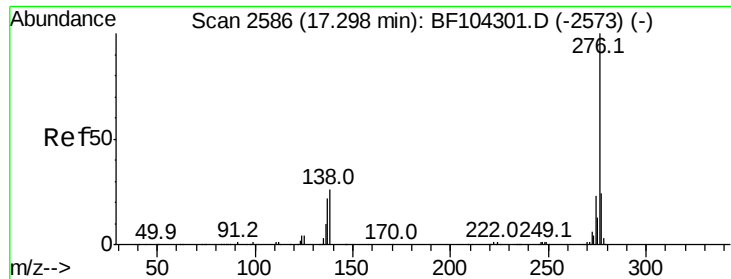
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	13.5	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.137 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104766.D
Acq: 24 Apr 2018 19:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	16.6	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.003 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF104766.D

Acq: 24 Apr 2018 19:41

Instrument :

BNA_F

ClientSampleId :

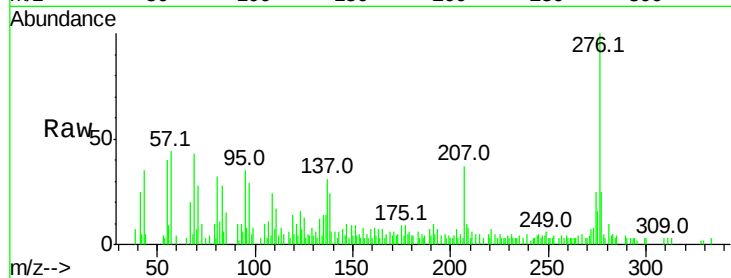
Tot Ion:276 Resp: 27647

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 23.9 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

