

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102766.D
 Acq On : 6 Feb 2018 4:51
 Operator : SJ/JU
 Sample : J1454-06
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 07:24:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	230336	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	946696	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	409530	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	609786	20.00	ng	0.00
75) Chrysene-d12	14.04	240	386861	20.00	ng	-0.01
86) Perylene-d12	15.52	264	352697	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1422189	93.77	ng	0.01
7) Phenol-d6	6.51	99	1679789	91.98	ng	0.00
23) Nitrobenzene-d5	7.45	82	1051631	77.06	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	320276	97.16	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1549533	62.78	ng	0.00
78) Terphenyl-d14	12.99	244	1069971	65.49	ng	0.00

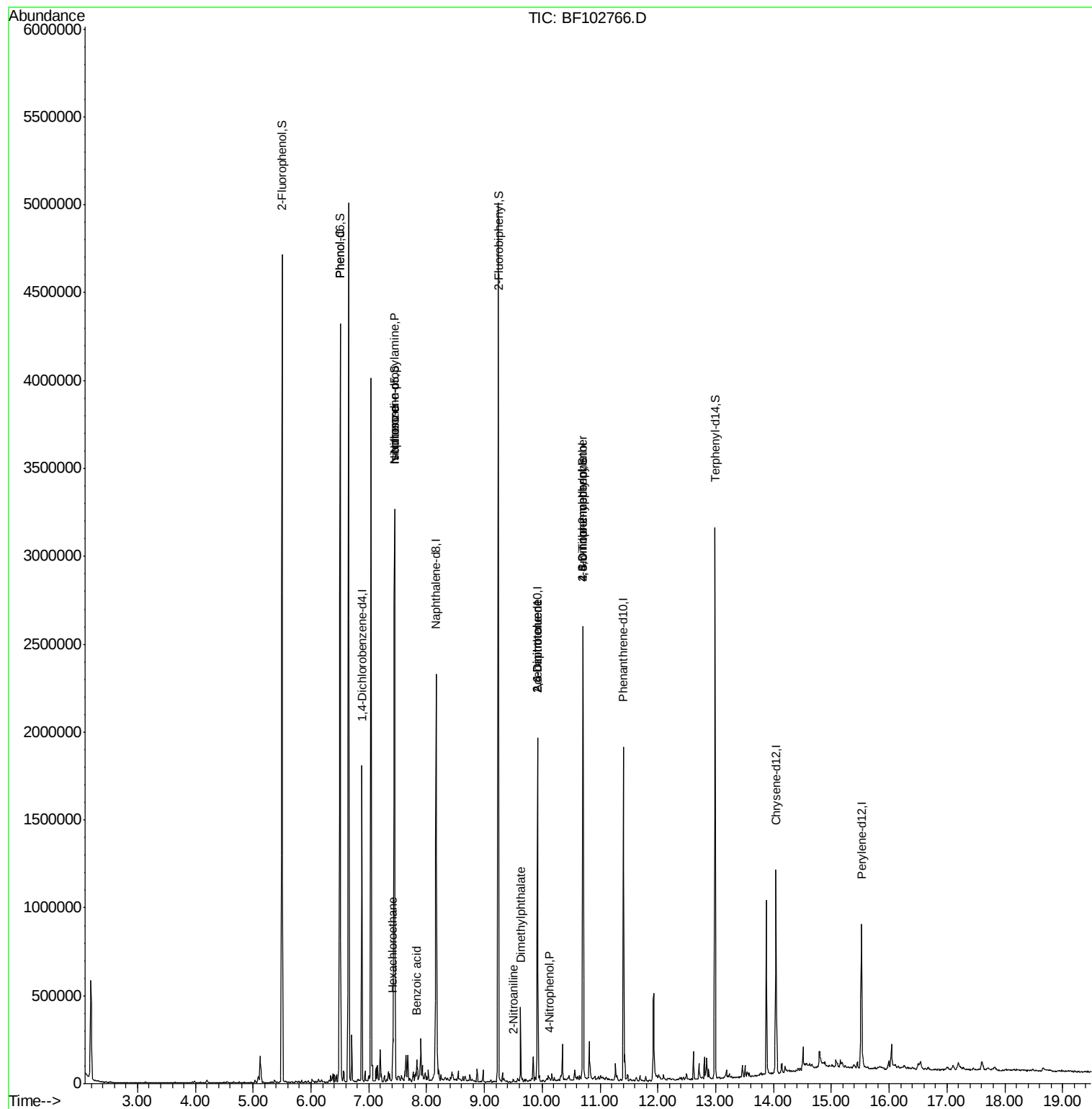
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	43474	2.221	ng	83
18) Hexachloroethane	7.41	117	13194	2.136	ng	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	140580	11.675	ng	# 82
25) Isophorone	7.45	82	1049908	33.411	ng	# 64
32) Benzoic acid	7.84	122	5877	9.149	ng	99
47) 2-Nitroaniline	9.50	65	109	3.484	ng	# 2
49) Dimethylphthalate	9.63	163	143468	4.493	ng	99
50) 2,6-Dinitrotoluene	9.92	165	52469	8.637	ng	# 25
55) 4-Nitrophenol	10.12	139	1830	4.307	ng	# 17
56) 2,4-Dinitrotoluene	9.92	165	52469	9.103	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	649	9.029	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	20242	3.138	ng	# 1

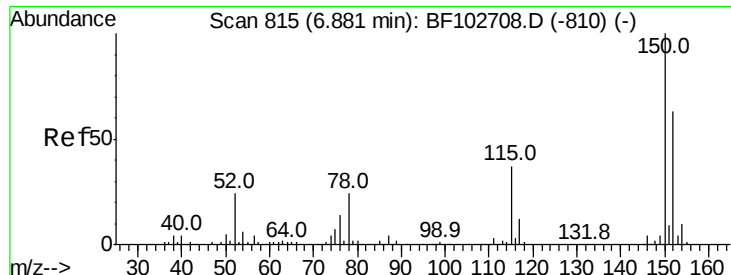
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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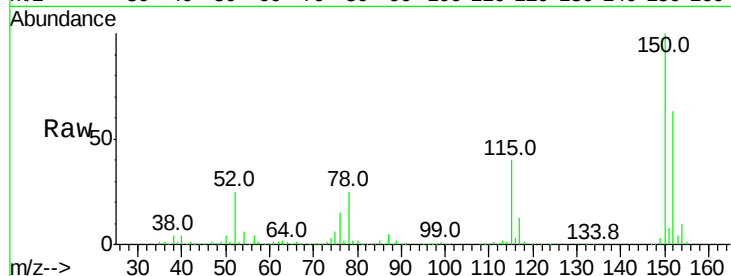


#1

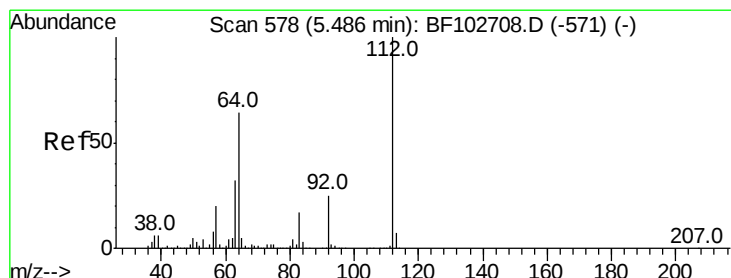
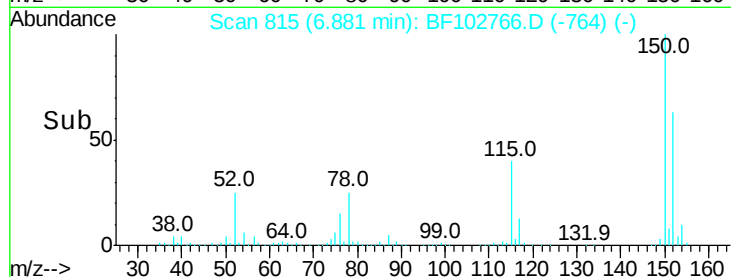
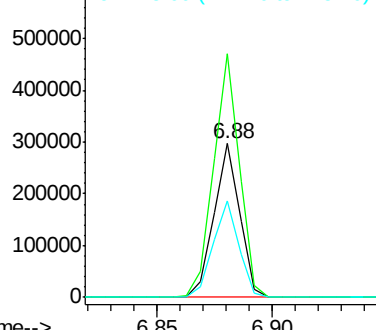
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	63.0	50.1	75.1



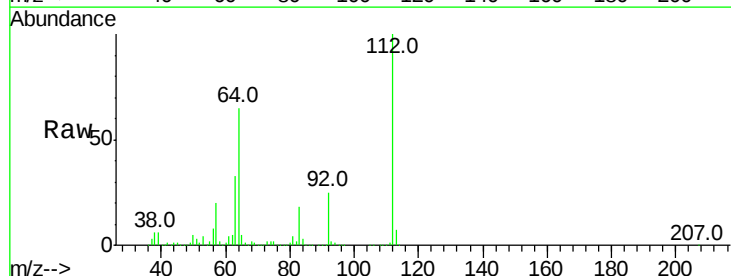
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



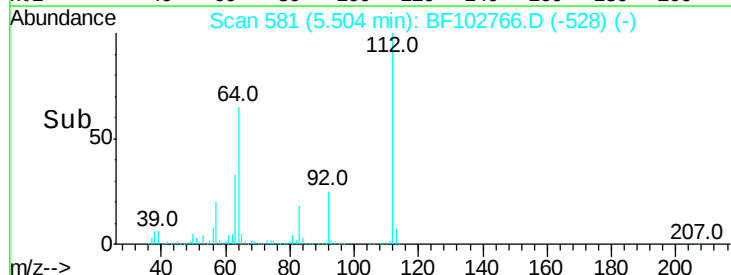
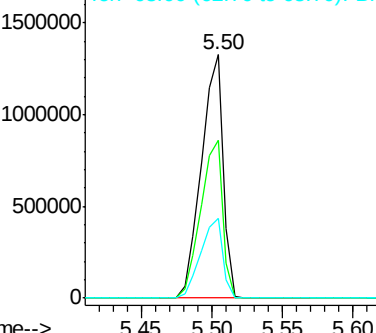
#5

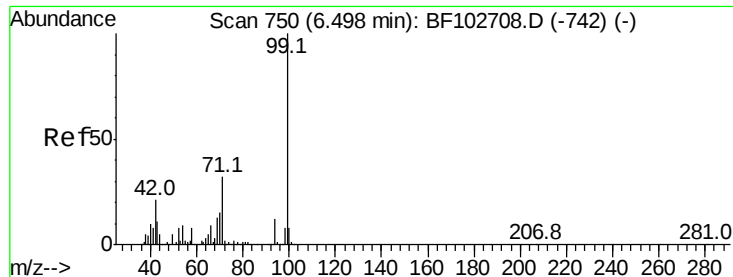
2-Fluorophenol
Concen: 93.769 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	32.5	23.7	35.5



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





#7

Phenol-d6

Concen: 91.982 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102766.D

Acq: 6 Feb 2018 4:51

Instrument :

BNA_F

ClientSampleId :

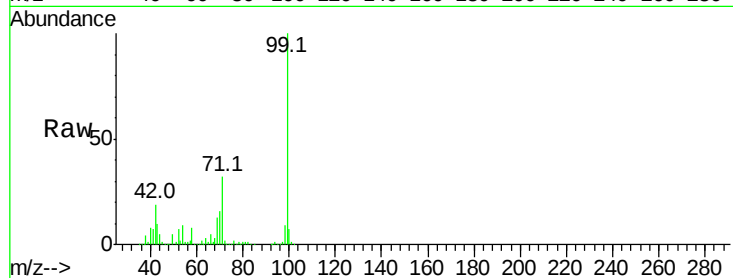
Tot Ion: 99 Resp: 1679789

Ion Ratio Lower Upper

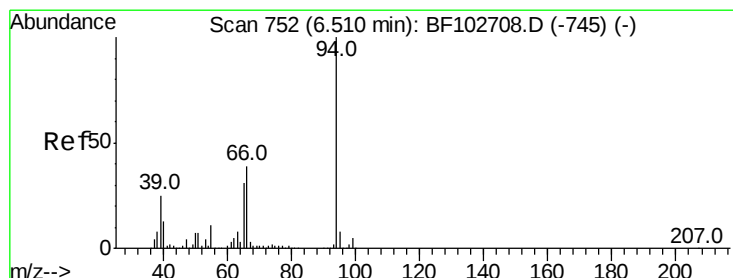
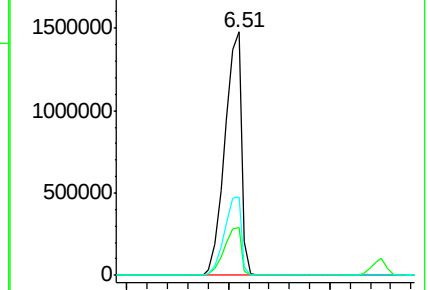
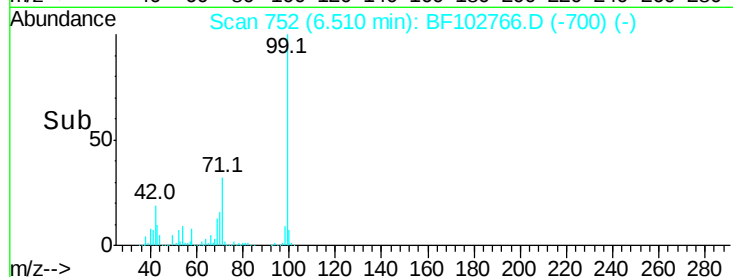
99 100

42 19.5 14.5 21.7

71 32.5 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: 2.221 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102766.D

Acq: 6 Feb 2018 4:51

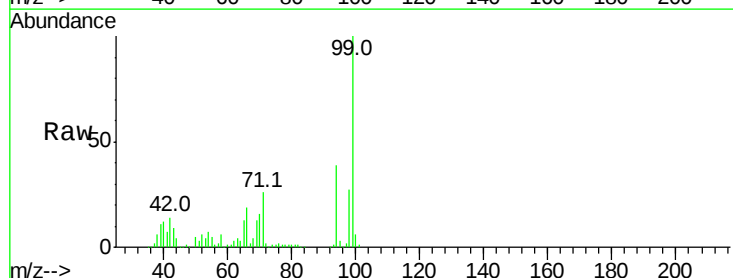
Tgt Ion: 94 Resp: 43474

Ion Ratio Lower Upper

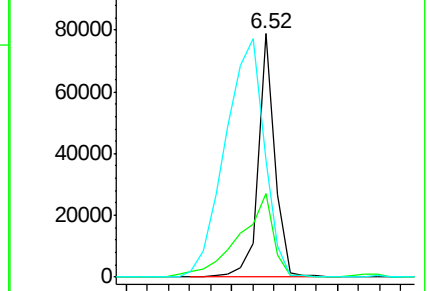
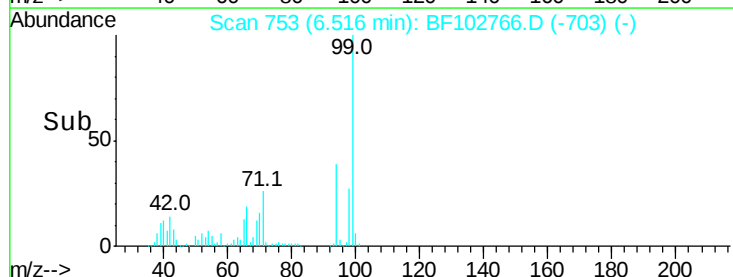
94 100

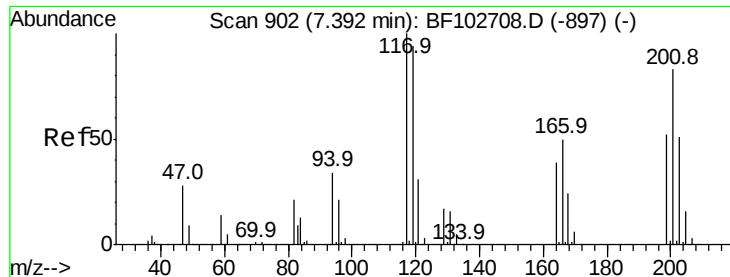
65 34.4 7.9 47.9

66 47.9 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

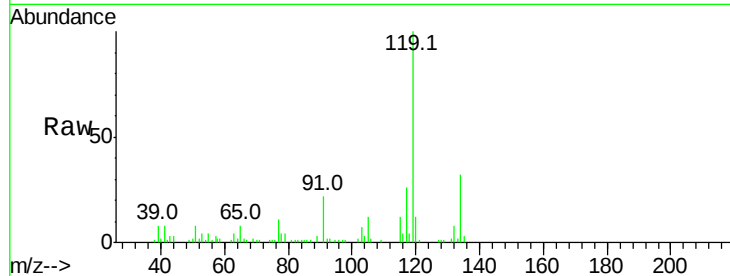




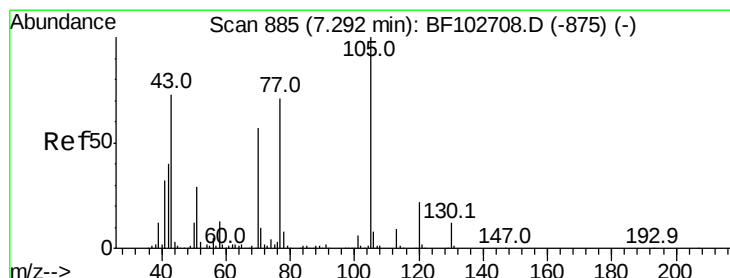
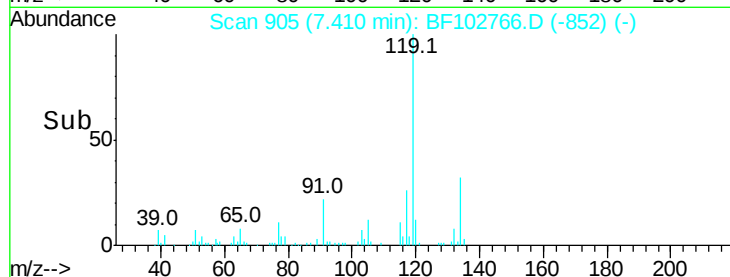
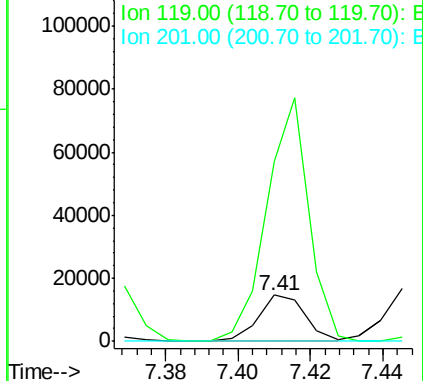
#18
Hexachloroethane
Concen: 2.136 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.01 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 13194
Ion Ratio Lower Upper
117 100
119 389.2 75.8 113.8#
201 0.0 75.7 113.5#

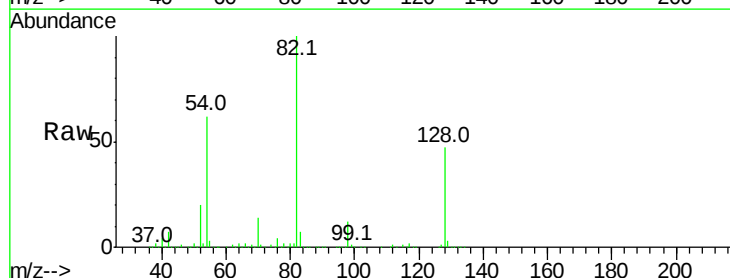


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

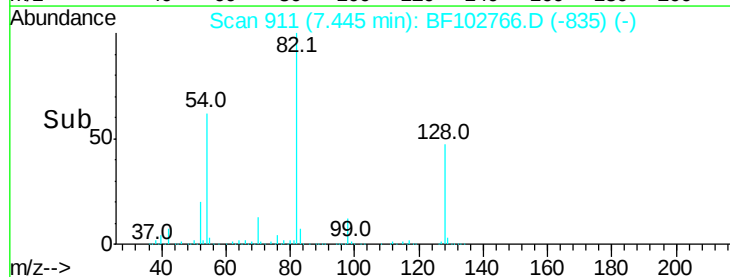
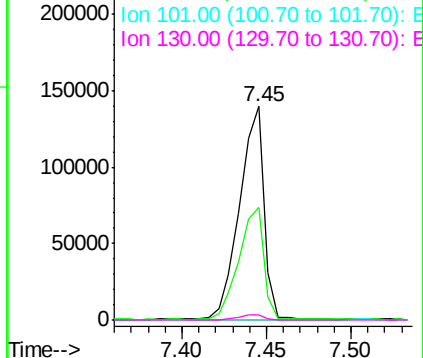


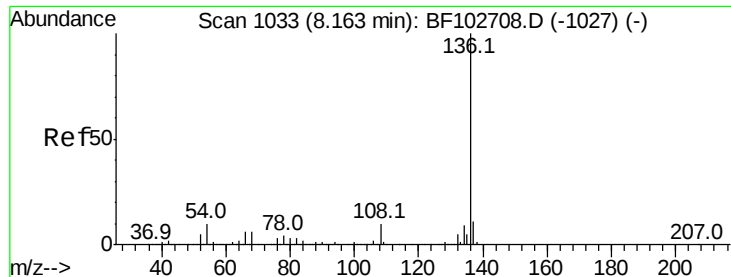
#19
n-Nitroso-di-n-propylamine
Concen: 11.675 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Tgt Ion: 70 Resp: 140580
Ion Ratio Lower Upper
70 100
42 52.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

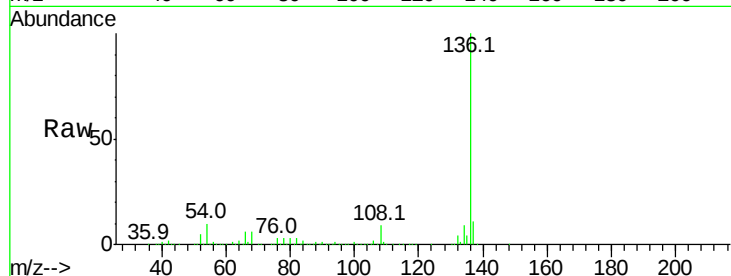




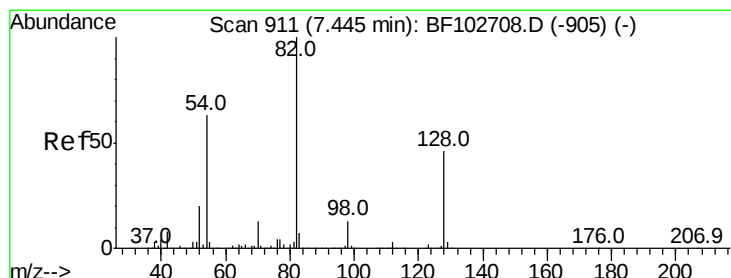
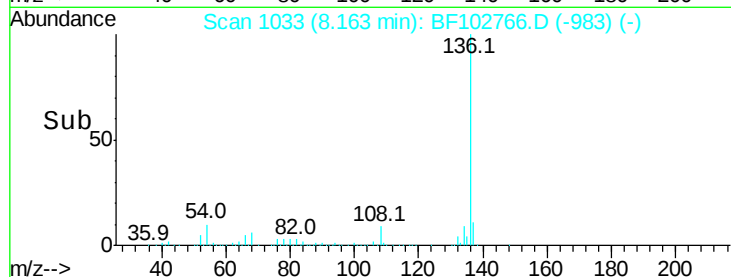
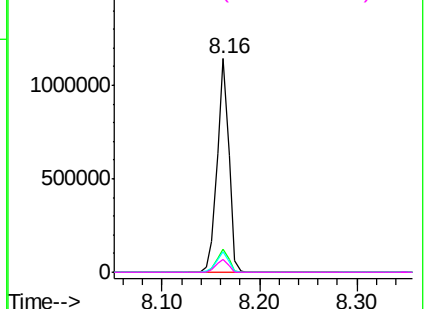
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	946696
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 9.8	6.6	9.8
68 6.3	5.0	7.4

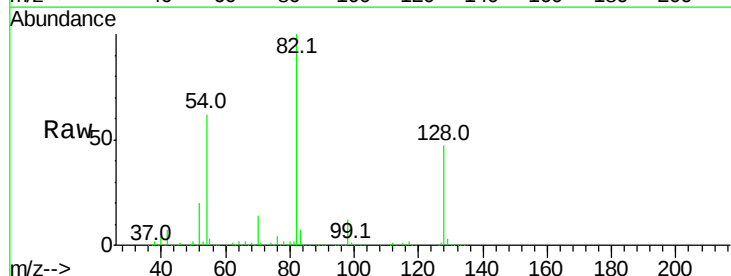


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

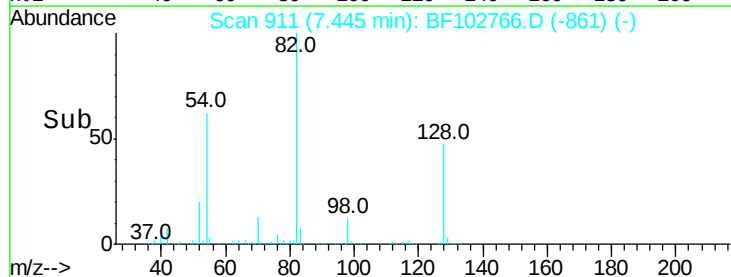
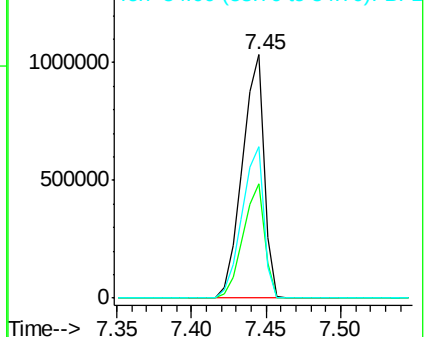


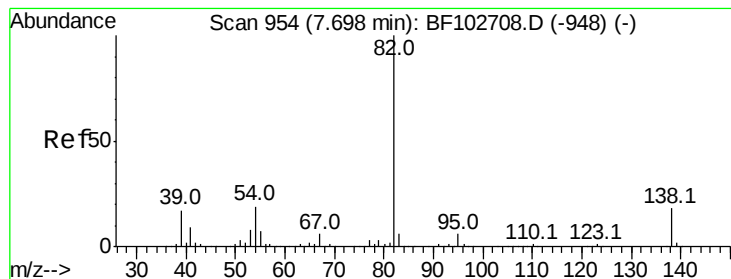
#23
Nitrobenzene-d5
Concen: 77.060 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Tgt Ion: 82	Resp:	1051631
Ion Ratio	Lower	Upper
82 100		
128 46.8	36.1	54.1
54 62.3	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: 33.411 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102766.D

Acq: 6 Feb 2018 4:51

Instrument :

BNA_F

ClientSampleId :

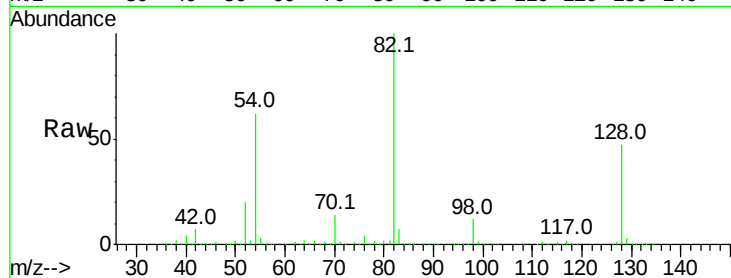
Tot Ion: 82 Resp: 1049908

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

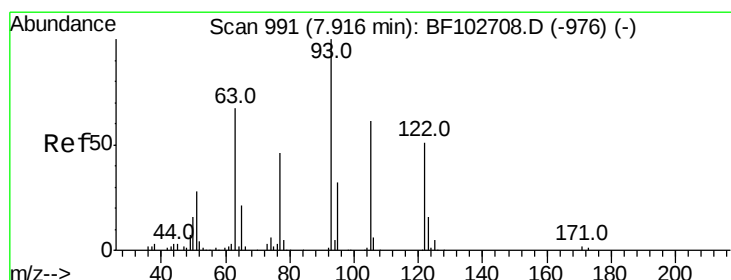
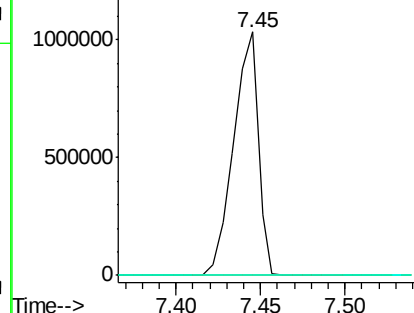
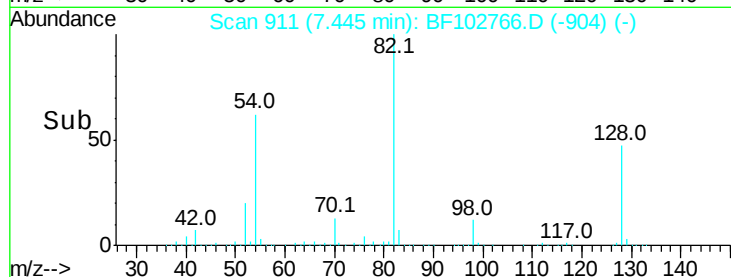
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 9.149 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.09 min

Lab File: BF102766.D

Acq: 6 Feb 2018 4:51

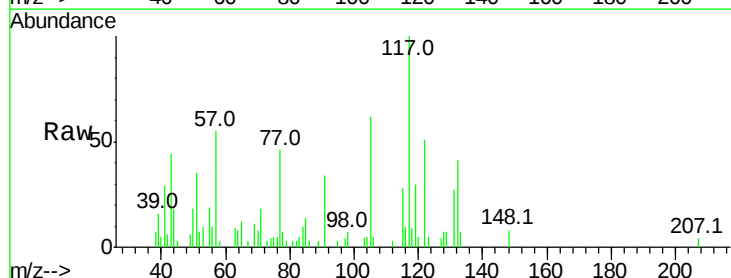
Tgt Ion:122 Resp: 5877

Ion Ratio Lower Upper

122 100

105 122.5 101.1 141.1

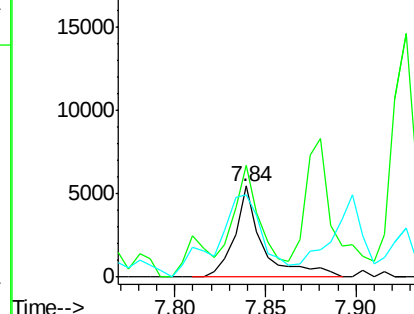
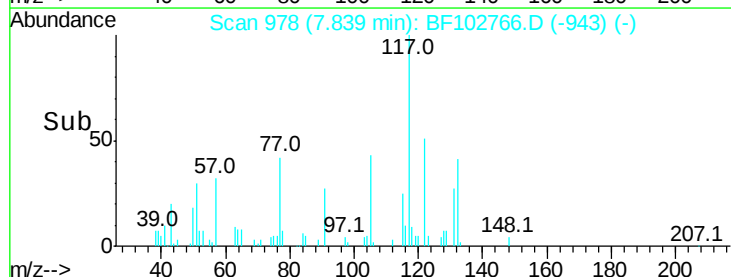
77 90.0 70.7 110.7

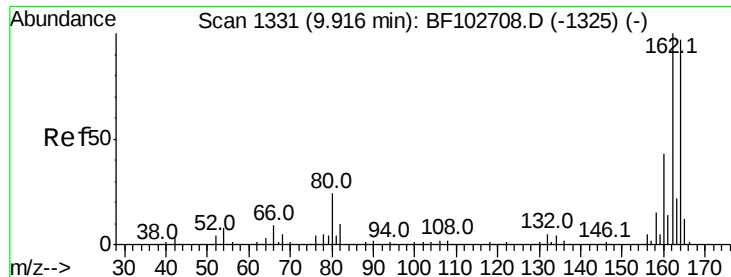


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

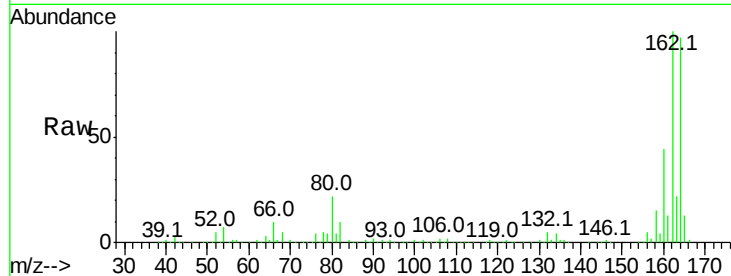




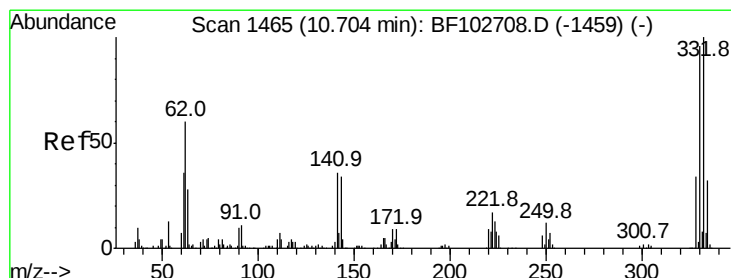
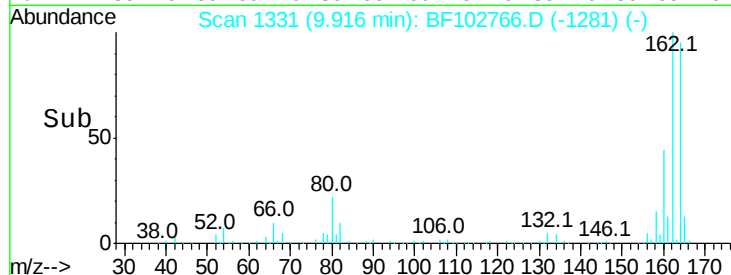
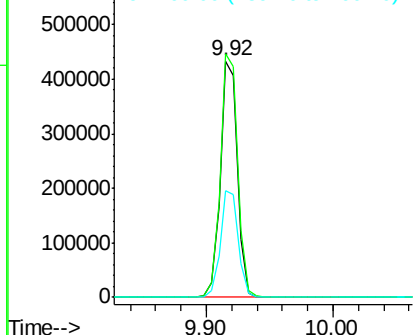
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 409530
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 44.9 38.3 57.5

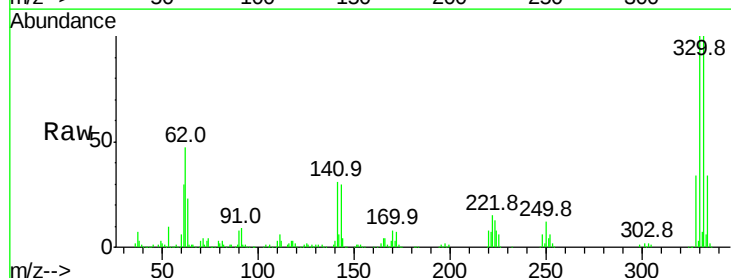


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

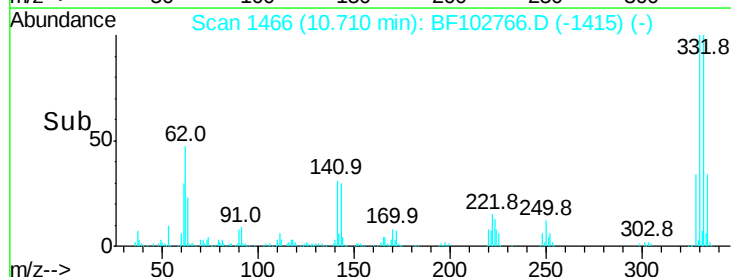
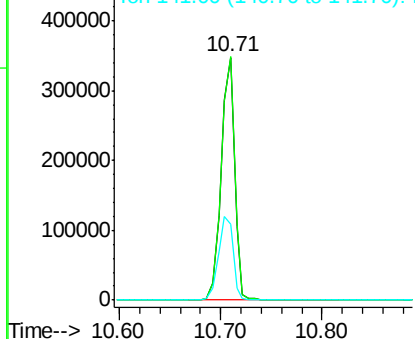


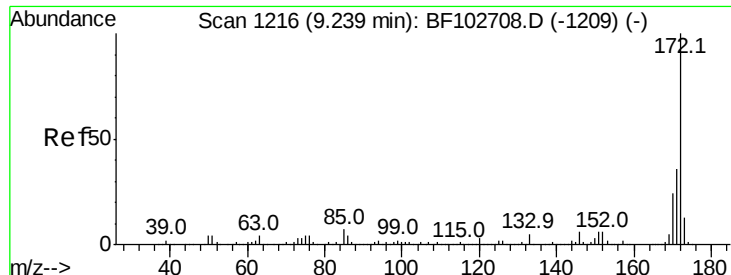
#41
2,4,6-Tribromophenol
Concen: 97.164 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Tgt Ion:330 Resp: 320276
Ion Ratio Lower Upper
330 100
332 100.2 77.0 115.6
141 37.5 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



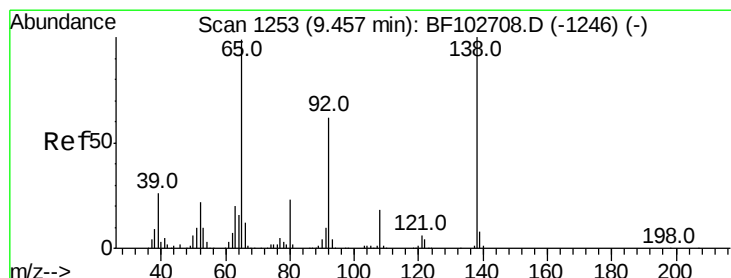
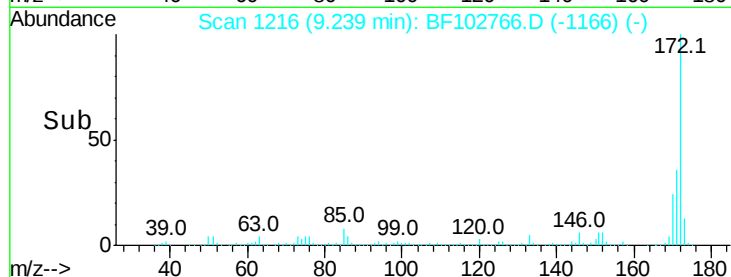
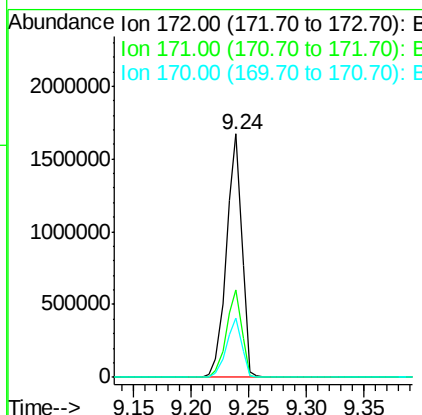
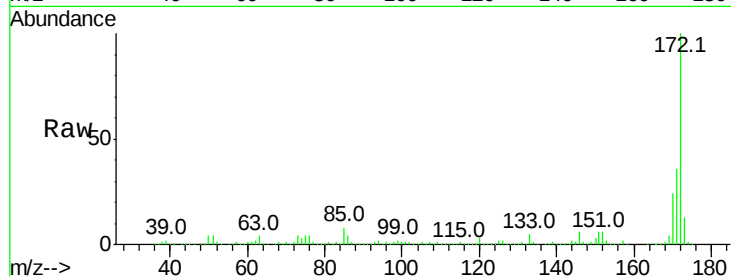


#44
 2-Fluorobiphenyl
 Concen: 62.785 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102766.D
 Acq: 6 Feb 2018 4:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1549533

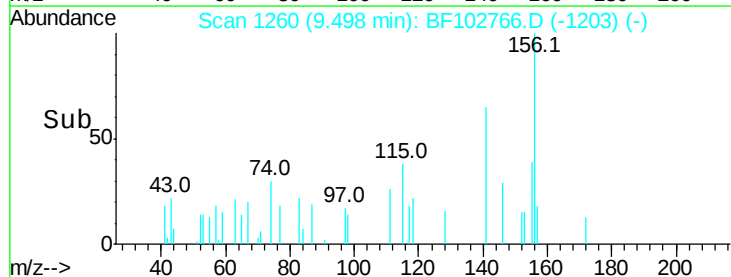
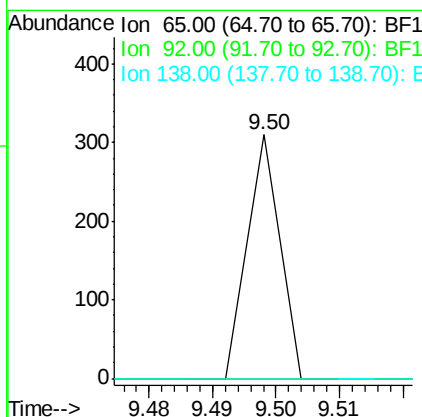
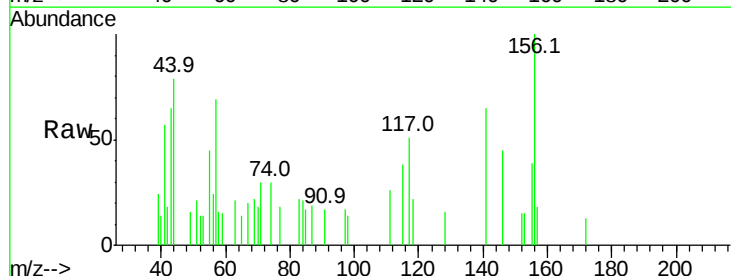
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.2	19.6	29.4

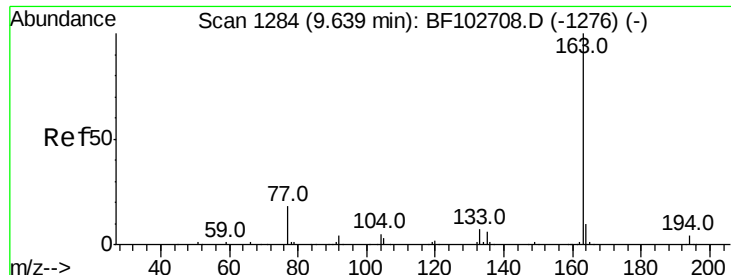


#47
 2-Nitroaniline
 Concen: 3.484 ng
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.04 min
 Lab File: BF102766.D
 Acq: 6 Feb 2018 4:51

Tgt Ion: 65 Resp: 109

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#

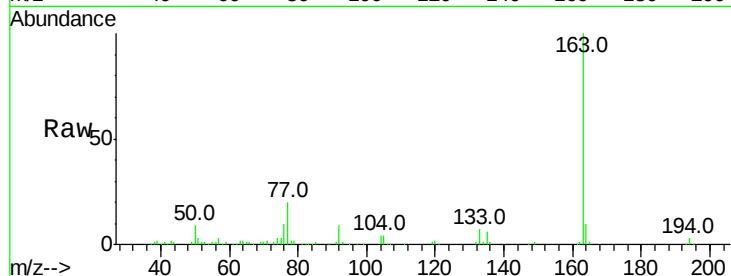




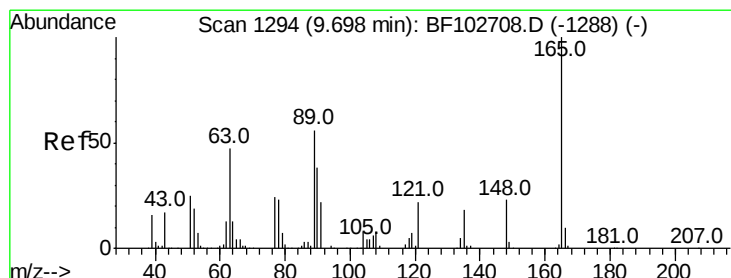
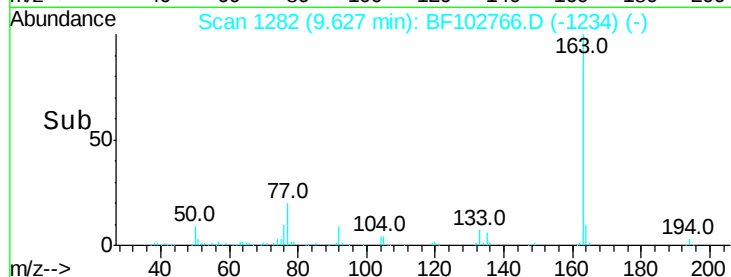
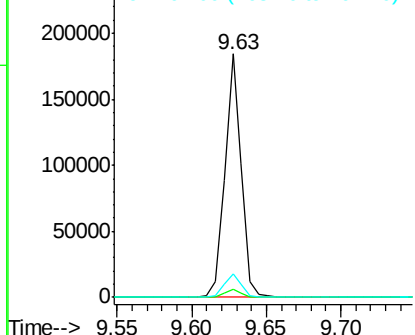
#49
Dimethylphthalate
Concen: 4.493 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.5	8.2	12.2

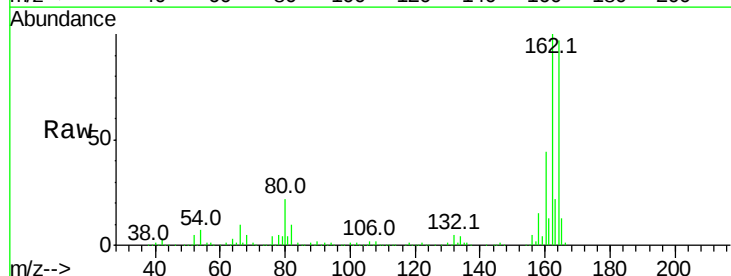


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

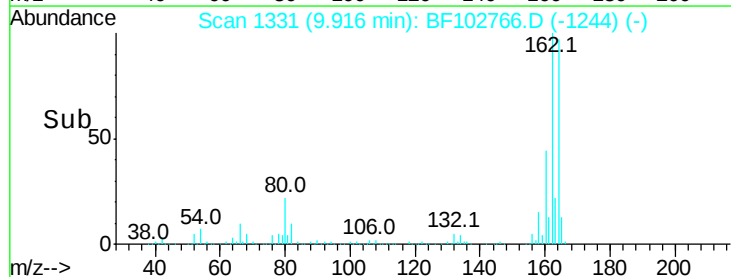
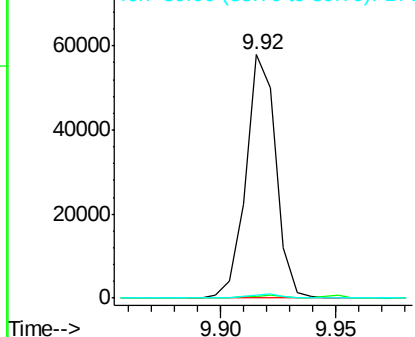


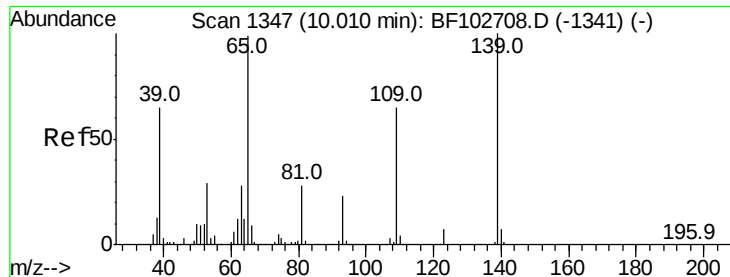
#50
2,6-Dinitrotoluene
Concen: 8.637 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	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

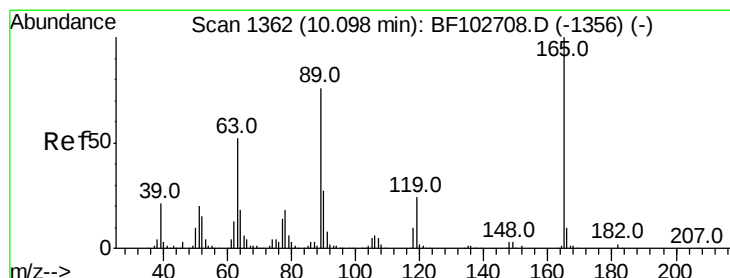
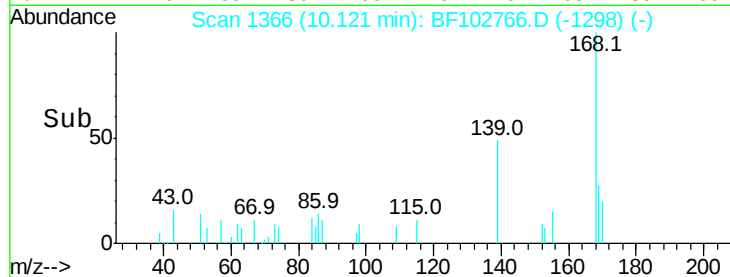
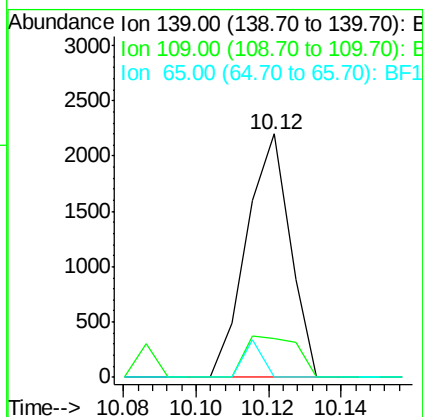
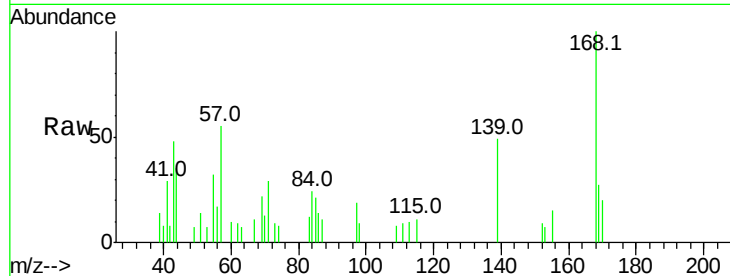




#55
4-Nitrophenol
Concen: 4.307 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.10 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

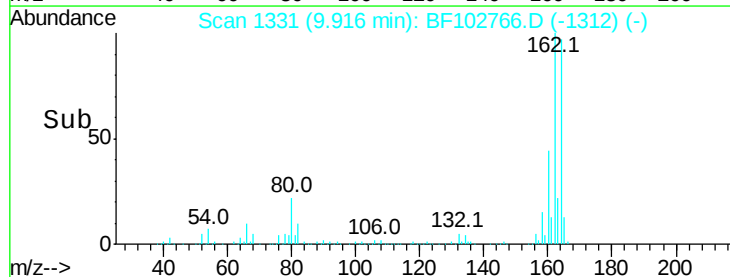
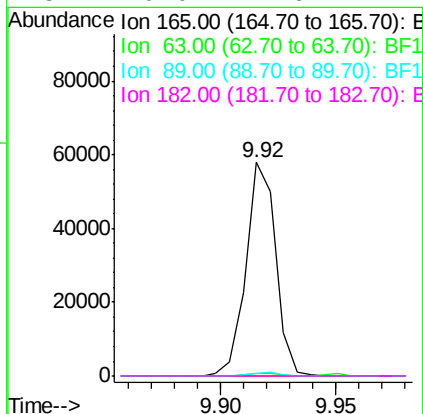
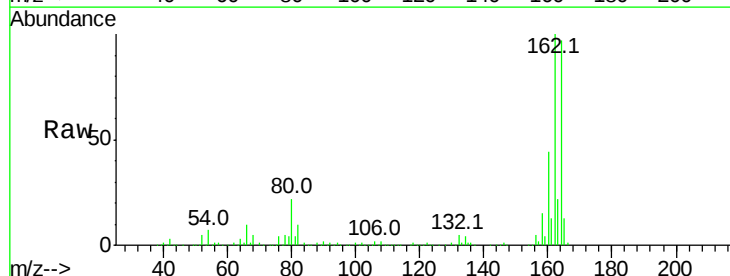
Instrument :
BNA_F
ClientSampleId :

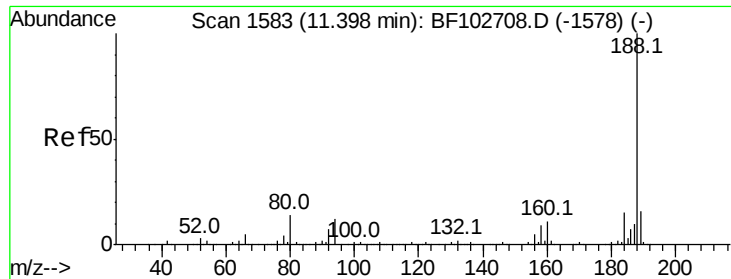
Tot Ion:139 Resp: 1830
Ion Ratio Lower Upper
139 100
109 15.8 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.103 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Tgt Ion:165 Resp: 52469
Ion Ratio Lower Upper
165 100
63 0.9 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#

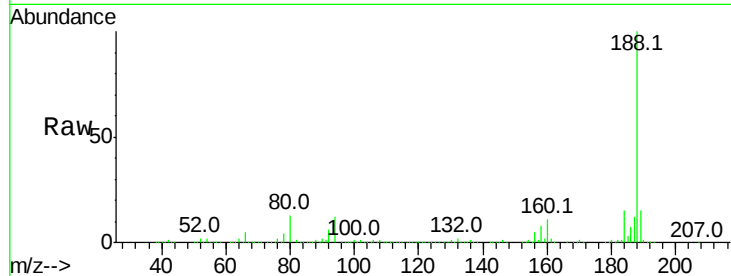




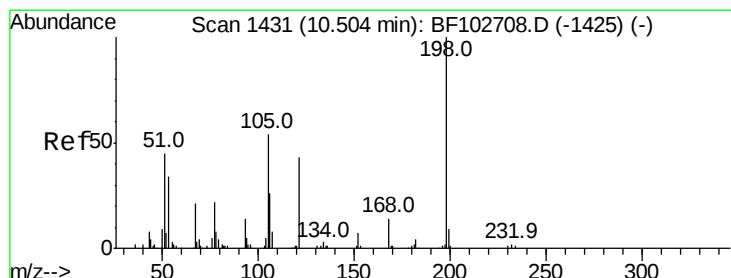
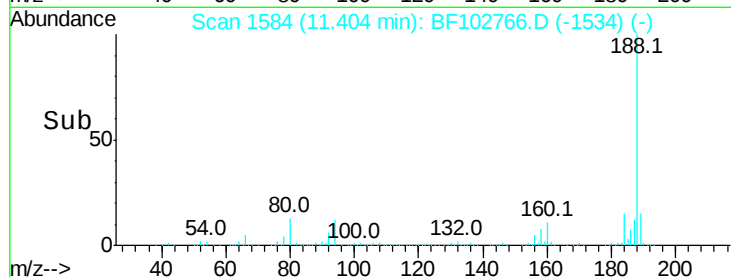
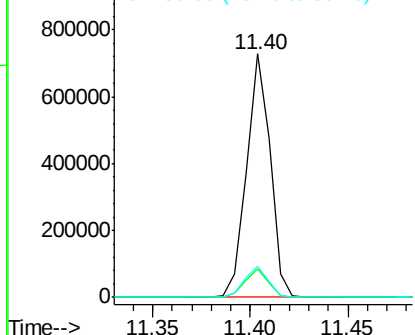
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102766.D
 Acq: 6 Feb 2018 4:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 609786
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 12.9 9.2 13.8

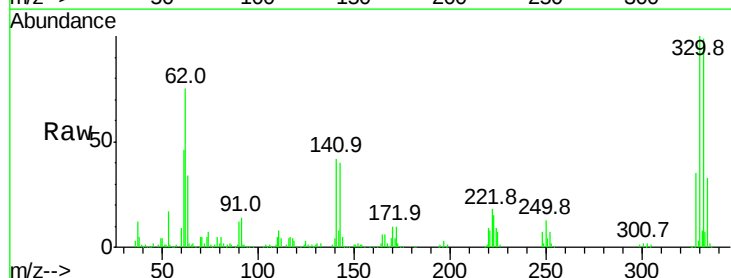


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

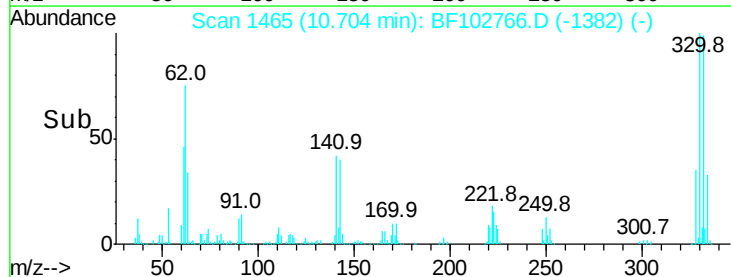
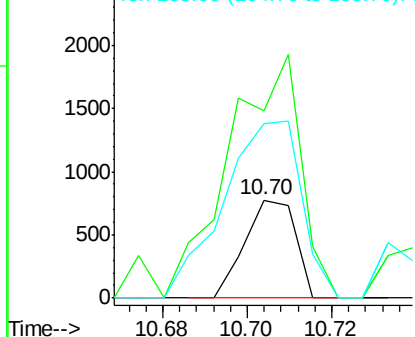


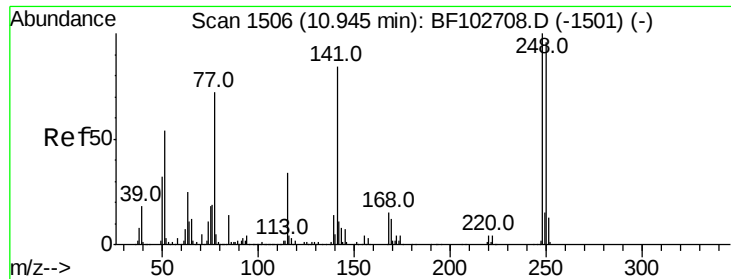
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.029 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.19 min
 Lab File: BF102766.D
 Acq: 6 Feb 2018 4:51

Tgt Ion:198 Resp: 649
 Ion Ratio Lower Upper
 198 100
 51 190.9 37.7 77.7#
 105 178.4 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

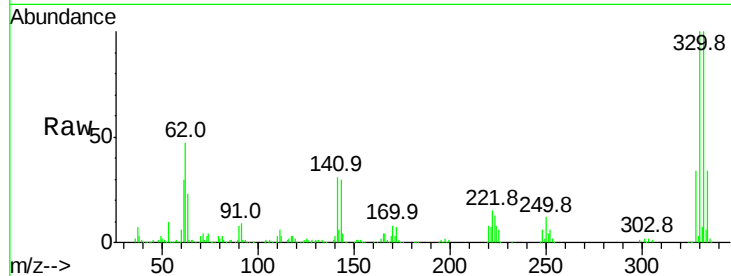




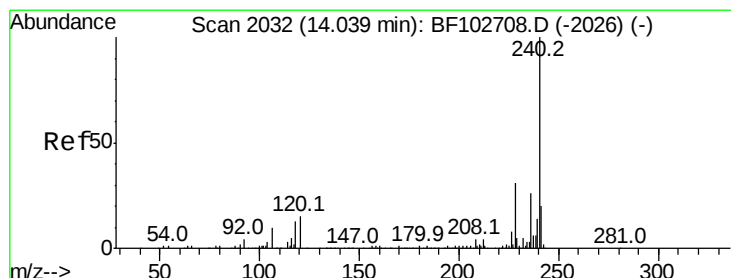
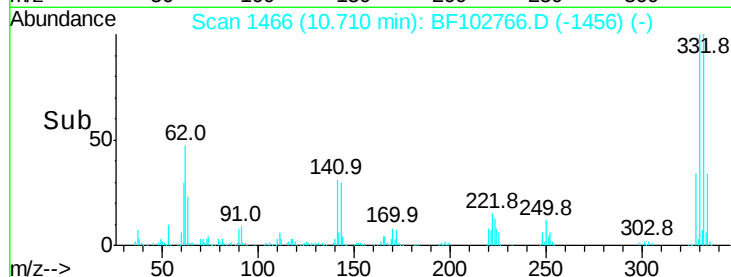
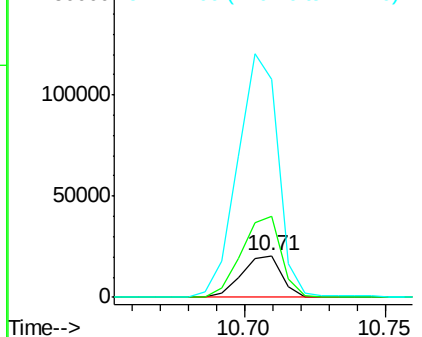
#66
4-Bromophenyl-phenylether
Concen: 3.138 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 20242
Ion Ratio Lower Upper
248 100
250 196.4 76.9 115.3#
141 528.2 74.4 111.6#

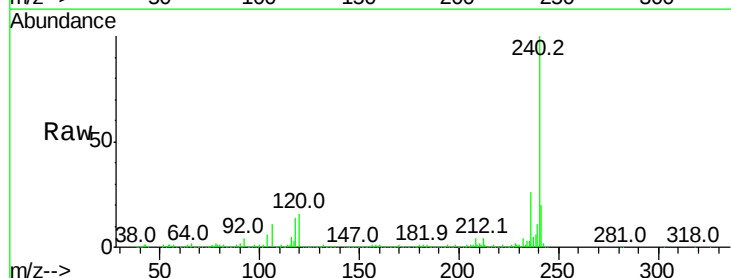


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

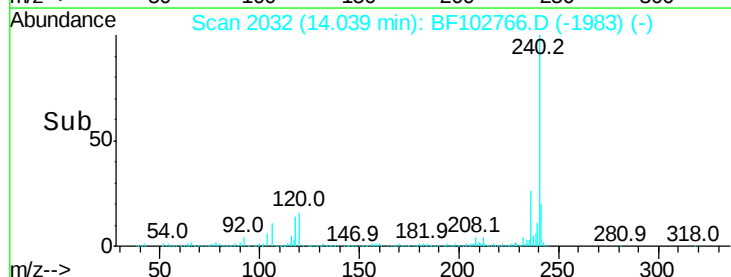
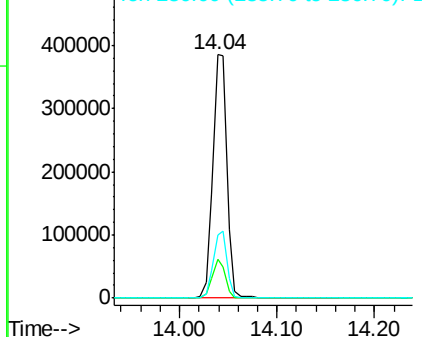


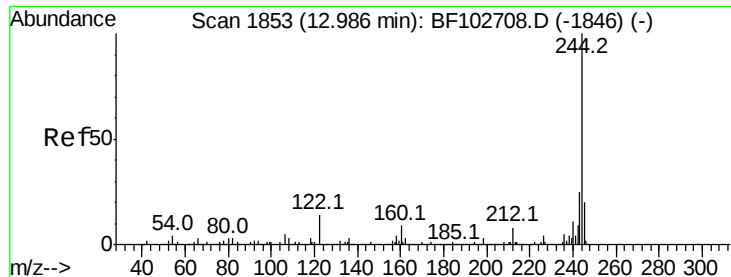
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF102766.D
Acq: 6 Feb 2018 4:51

Tgt Ion:240 Resp: 386861
Ion Ratio Lower Upper
240 100
120 16.0 9.5 14.3#
236 26.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 65.487 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102766.D

Acq: 6 Feb 2018 4:51

Instrument :

BNA_F

ClientSampled :

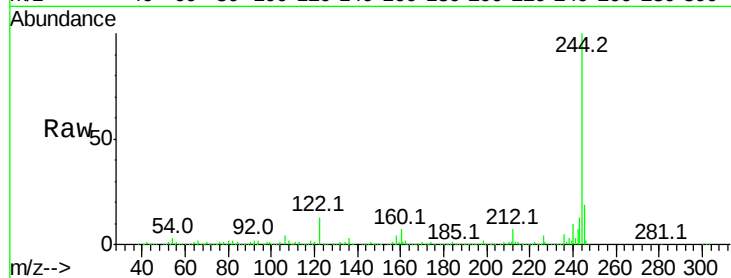
Tot Ion:244 Resp: 1069971

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

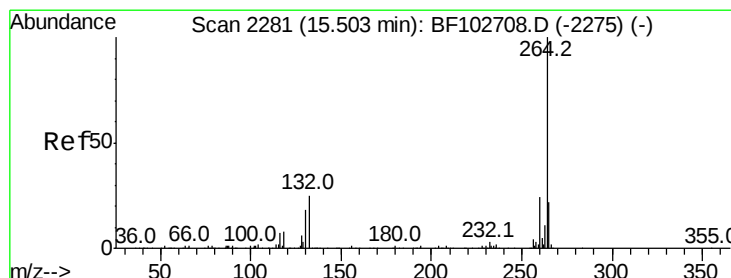
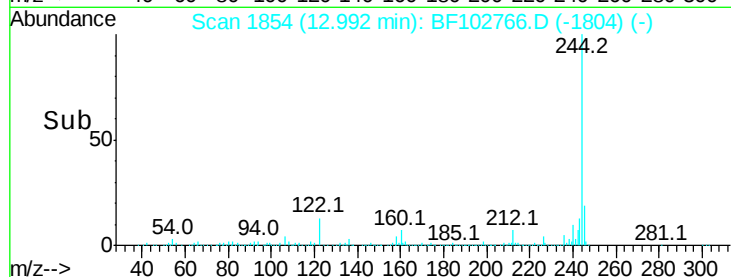
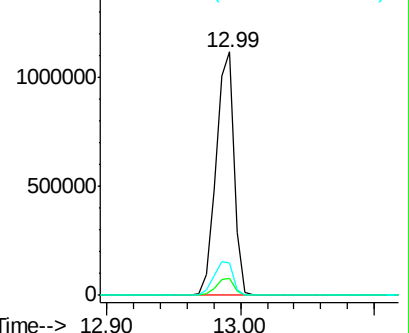
122 13.1 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102766.D

Acq: 6 Feb 2018 4:51

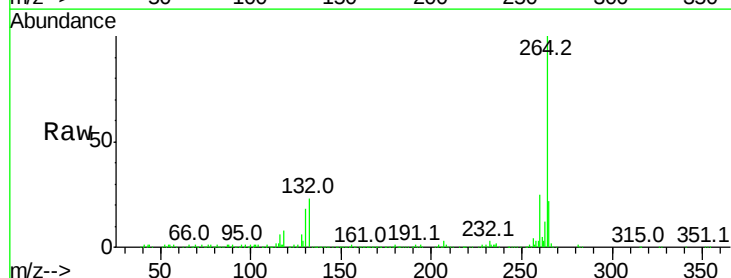
Tgt Ion:264 Resp: 352697

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 21.6 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

