

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103076.D
 Acq On : 19 Feb 2018 12:32
 Operator : SJ/JU
 Sample : J1573-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 16:14:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	168869	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	697297	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	308438	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	513124	20.00	ng	0.00
75) Chrysene-d12	14.05	240	312731	20.00	ng	0.00
86) Perylene-d12	15.54	264	270957	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	581882	52.33	ng	0.00
7) Phenol-d6	6.50	99	438670	32.76	ng	0.00
23) Nitrobenzene-d5	7.45	82	954559	94.96	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	313691	126.36	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1541122	82.91	ng	0.00
78) Terphenyl-d14	12.99	244	1268263	96.02	ng	0.00

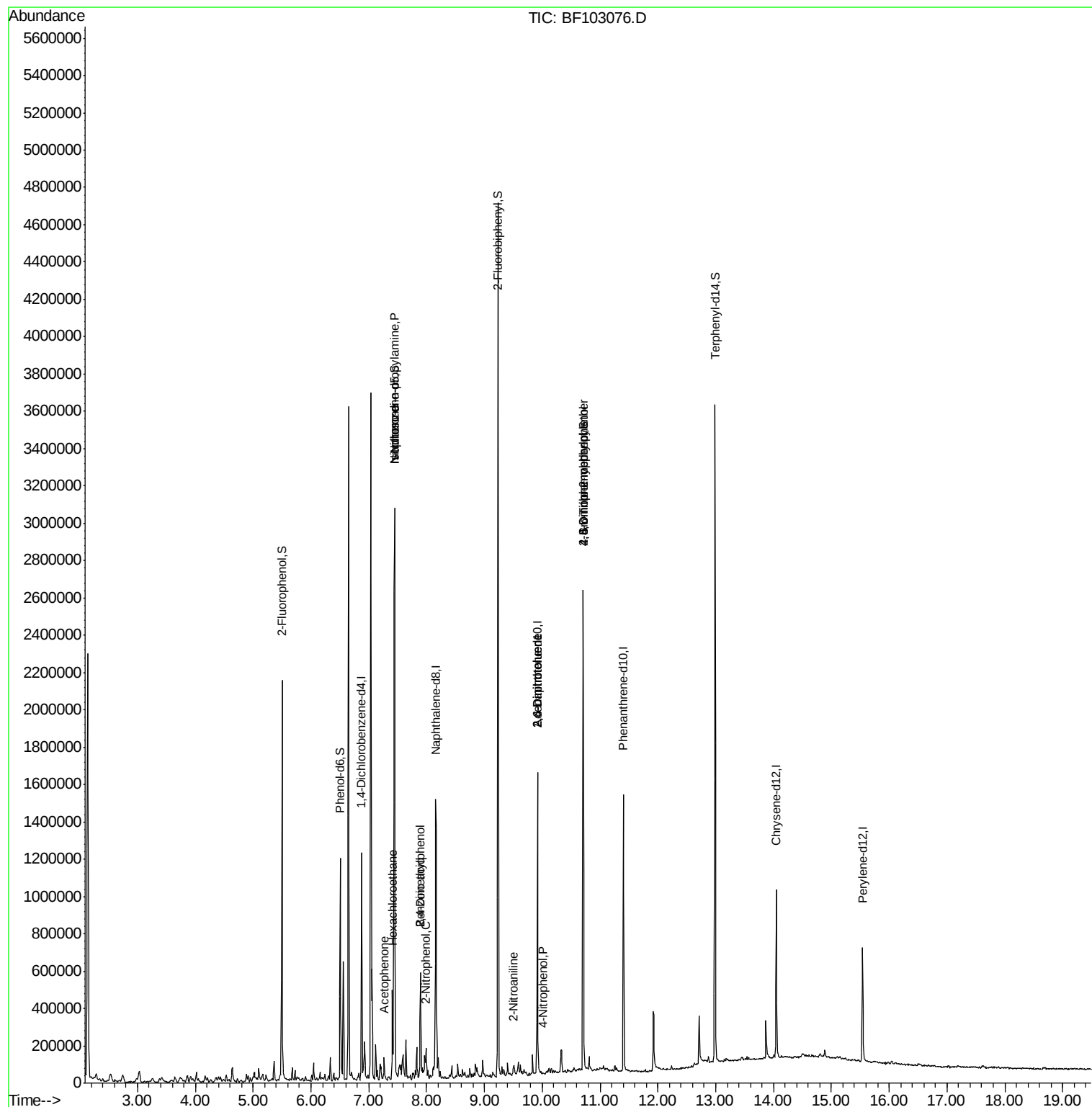
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.40	117	29229	6.455	ng	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	127511	14.445	ng	# 79
22) Acetophenone	7.26	105	44053	2.582	ng	# 60
25) Isophorone	7.45	82	950745	41.076	ng	# 64
26) 2-Nitrophenol	7.99	139	125	8.687	ng	# 1
27) 2,4-Dimethylphenol	7.89	122	28067	2.870	ng	# 6
32) Benzoic acid	7.89	122	28067	12.414	ng	# 55
47) 2-Nitroaniline	9.51	65	489	3.544	ng	# 2
50) 2,6-Dinitrotoluene	9.92	165	40439	8.838	ng	# 26
55) 4-Nitrophenol	10.02	139	510	4.129	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	40439	9.243	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	686	9.089	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	19611	3.613	ng	# 1

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

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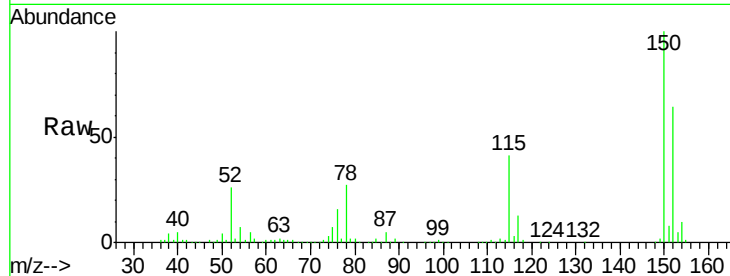


#1

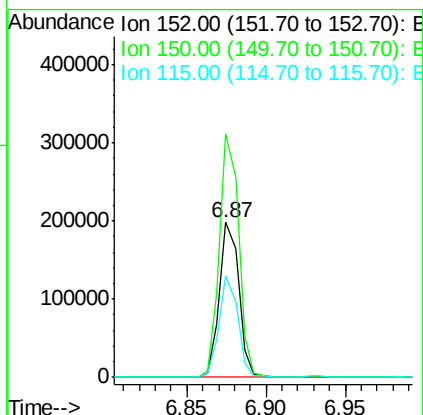
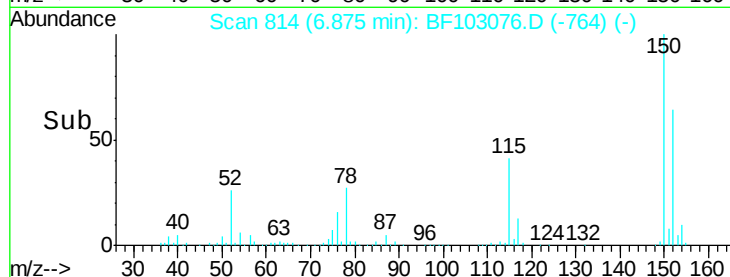
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103076.D
Acq: 19 Feb 2018 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 168869
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 65.2 50.1 75.1



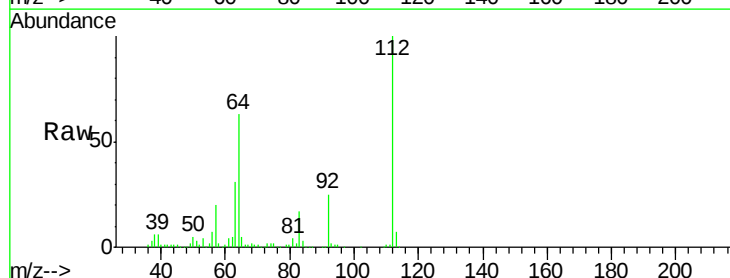
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



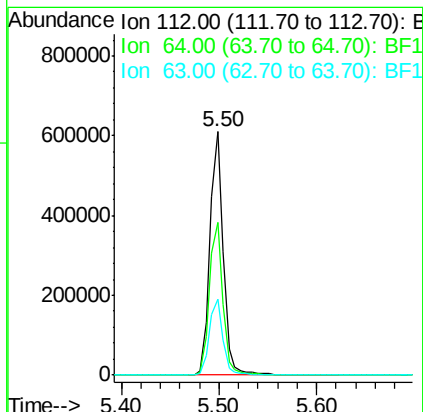
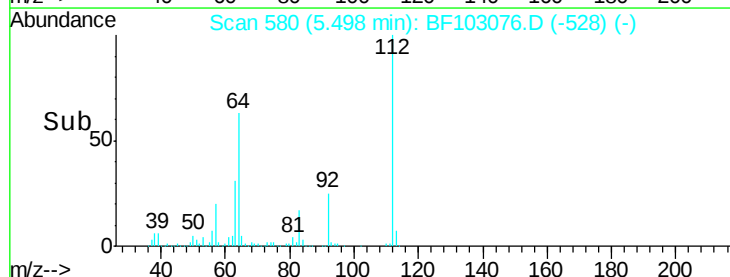
#5

2-Fluorophenol
Concen: 52.330 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103076.D
Acq: 19 Feb 2018 12:32

Tgt Ion:112 Resp: 581882
Ion Ratio Lower Upper
112 100
64 63.0 47.9 71.9
63 31.3 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: 32.764 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

Instrument :

BNA_F

ClientSampleId :

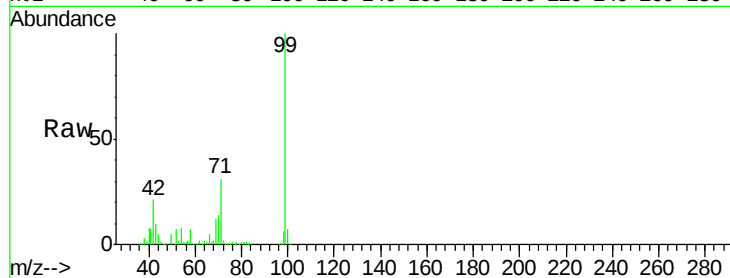
Tot Ion: 99 Resp: 438670

Ion Ratio Lower Upper

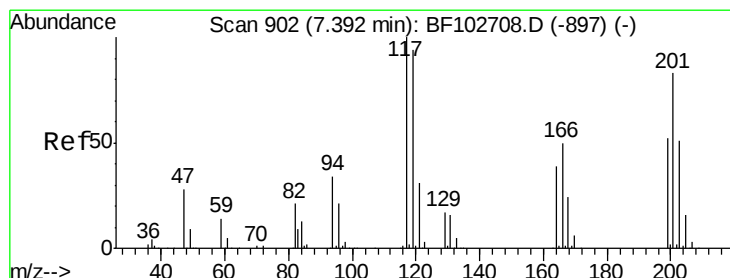
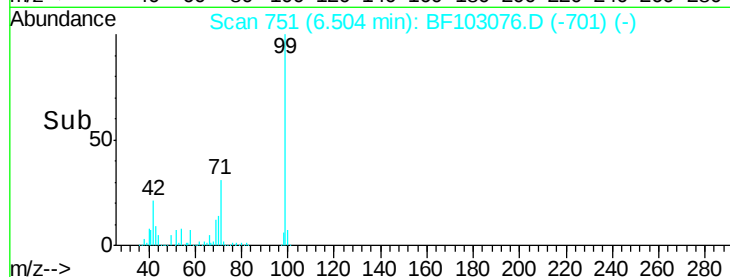
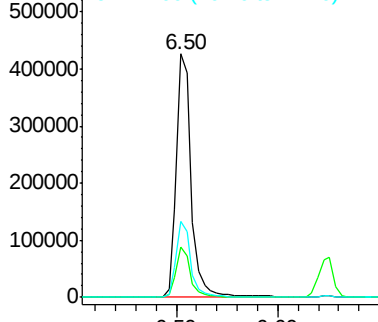
99 100

42 20.8 14.5 21.7

71 31.3 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



#18

Hexachloroethane

Concen: 6.455 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.02 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

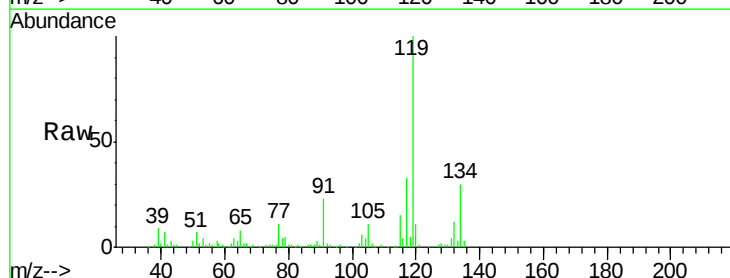
Tgt Ion: 117 Resp: 29229

Ion Ratio Lower Upper

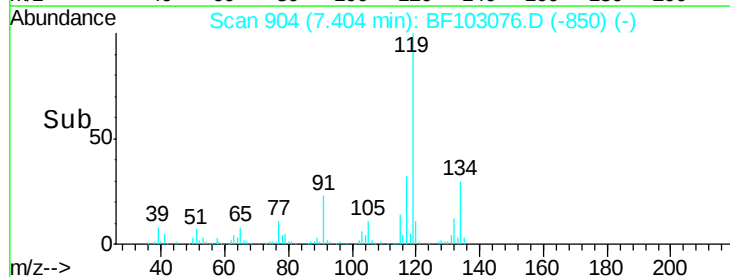
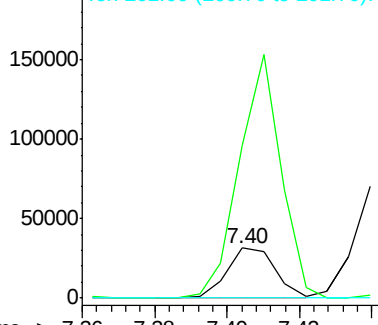
117 100

119 306.6 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: 14.445 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 127511

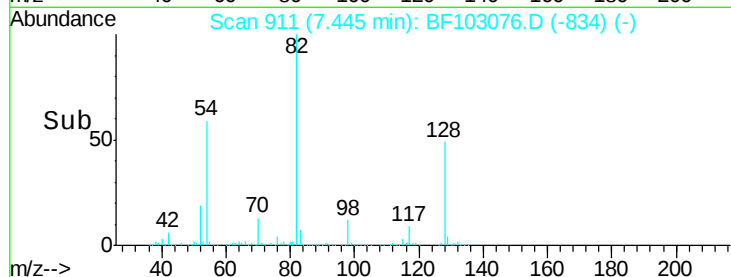
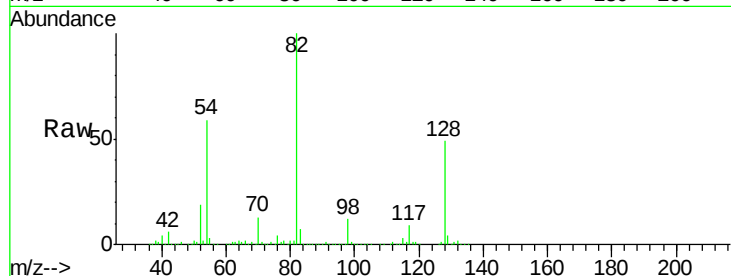
Ion Ratio Lower Upper

70 100

42 48.1 47.5 71.3

101 0.3 7.4 11.2#

130 3.0 16.6 25.0#

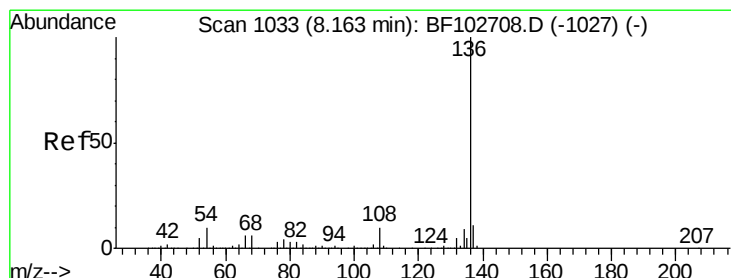
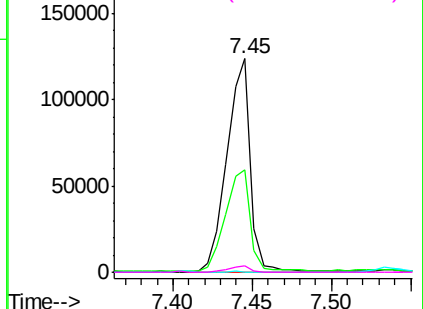


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

Tgt Ion: 136 Resp: 697297

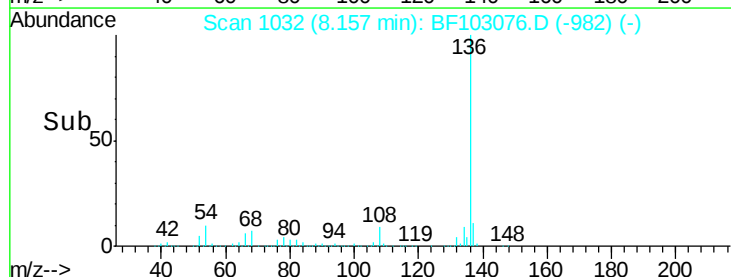
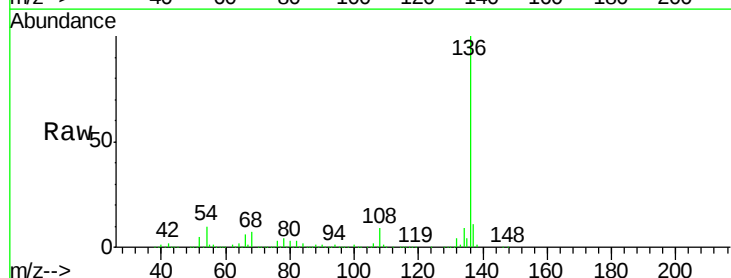
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.9 6.6 9.8#

68 6.6 5.0 7.4

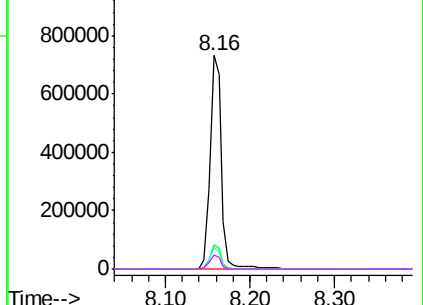


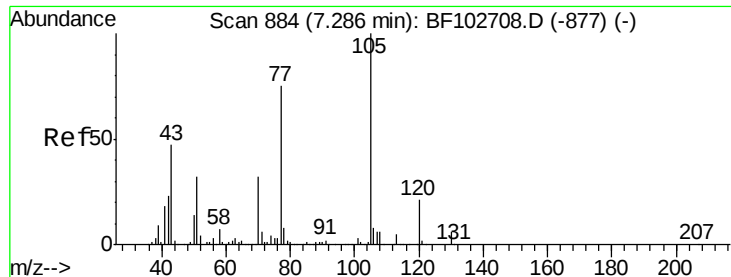
Abundance Ion 136.00 (135.70 to 136.70): BF1

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





#22

Acetophenone

Concen: 2.582 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.03 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 44053

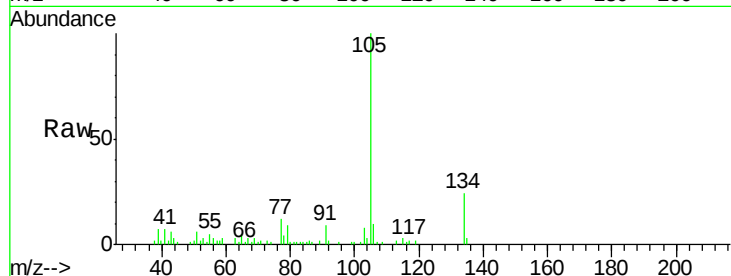
Ion Ratio Lower Upper

105 100

71 2.5 4.4 6.6#

51 5.6 22.3 33.5#

120 0.0 16.9 25.3#

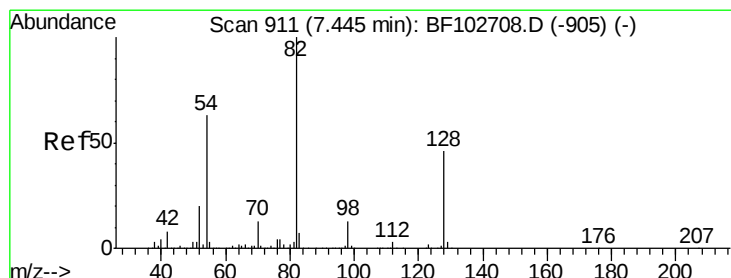
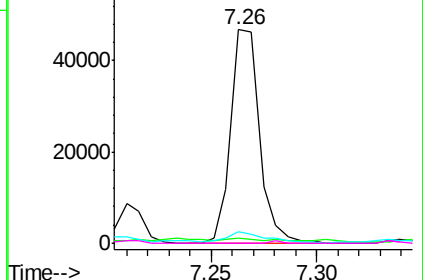
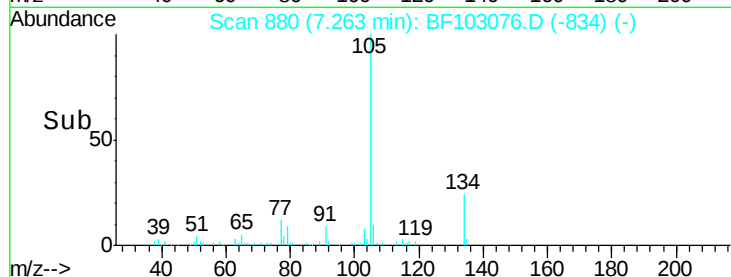


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 94.964 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

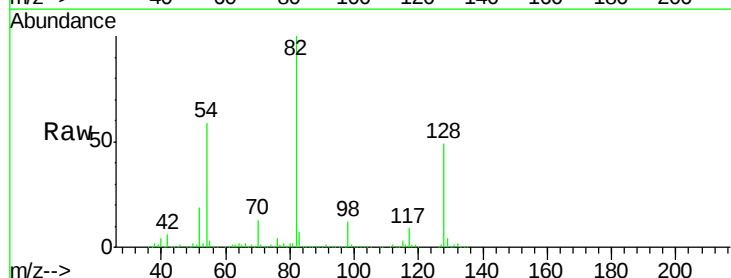
Tgt Ion: 82 Resp: 954559

Ion Ratio Lower Upper

82 100

128 49.0 36.1 54.1

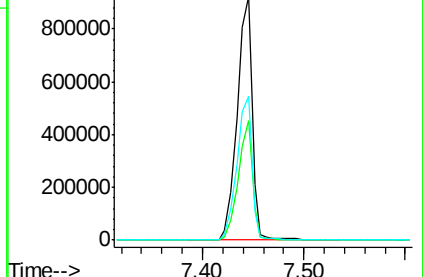
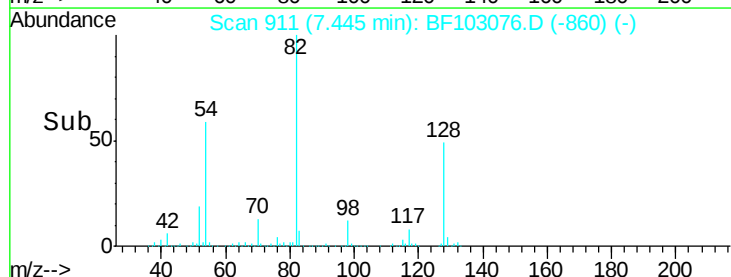
54 59.2 41.4 62.2

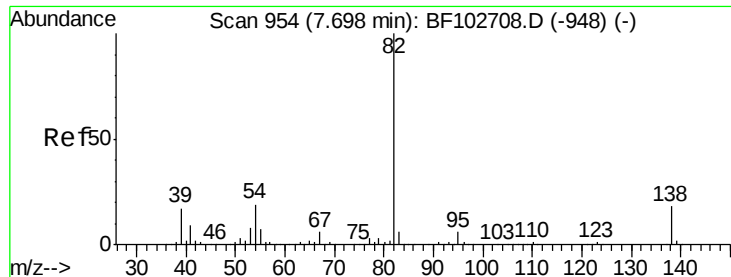


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.076 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

Instrument :

BNA_F

ClientSampleId :

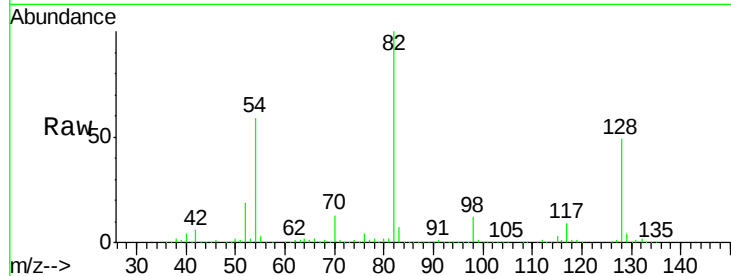
Tot Ion: 82 Resp: 950745

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

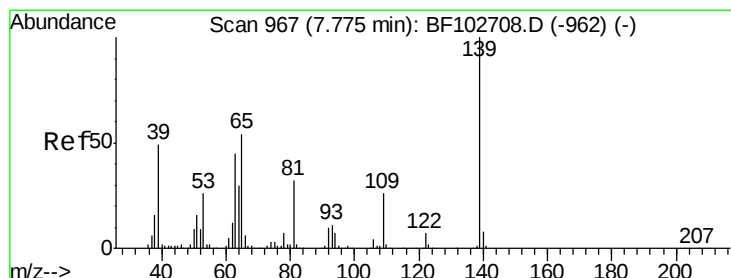
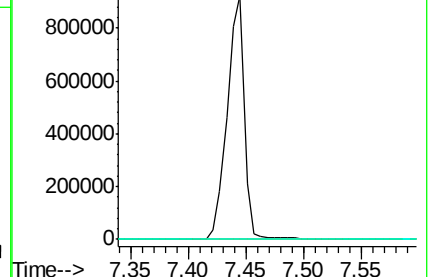
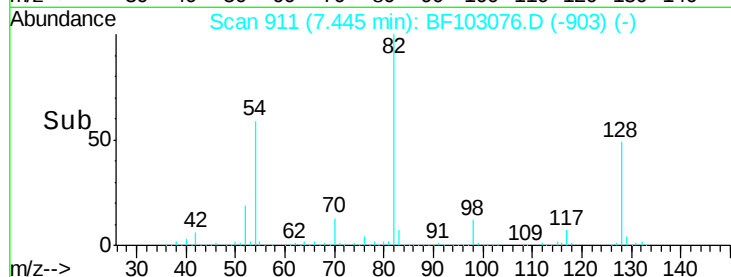
138 0.0 14.9 22.3#



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



#26

2-Nitrophenol

Concen: 8.687 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.21 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

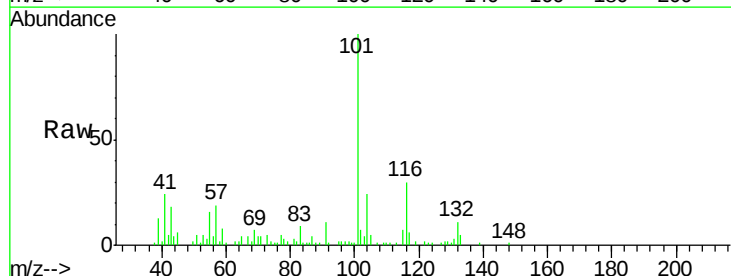
Tgt Ion: 139 Resp: 125

Ion Ratio Lower Upper

139 100

109 155.6 22.7 34.1#

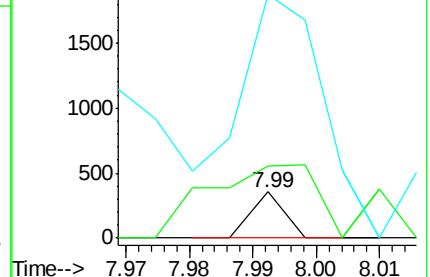
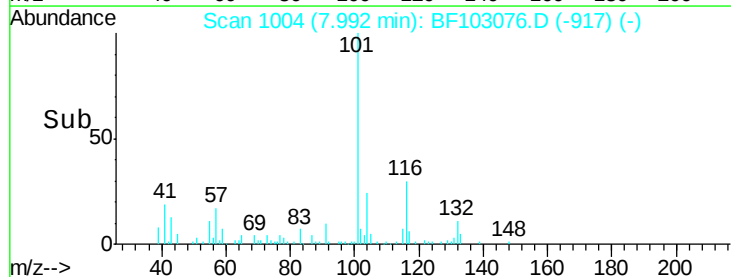
65 529.1 40.5 60.7#

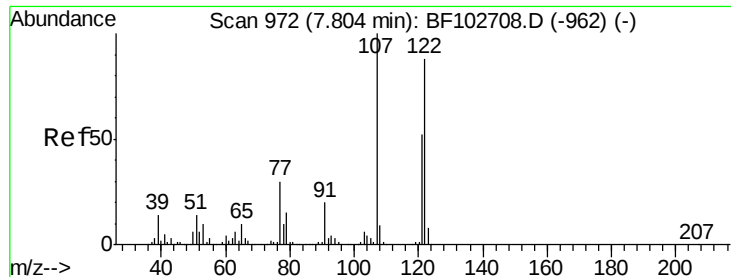


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 2.870 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.08 min

Lab File: BF103076.D

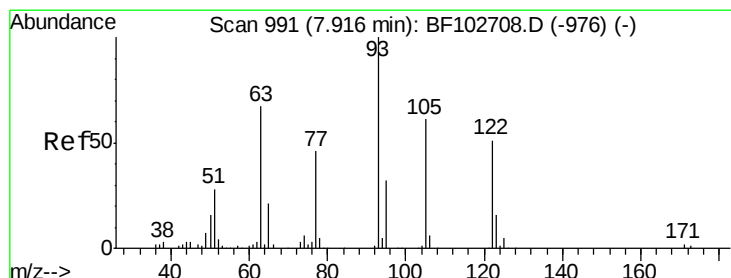
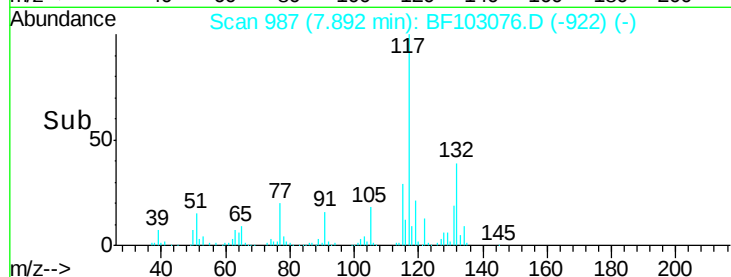
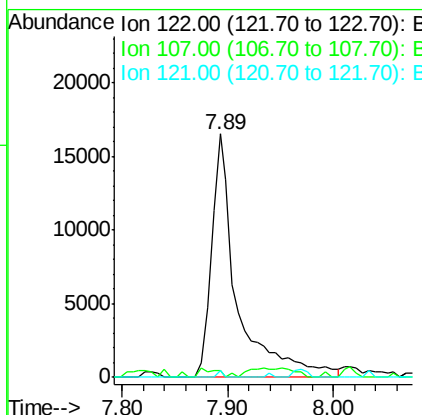
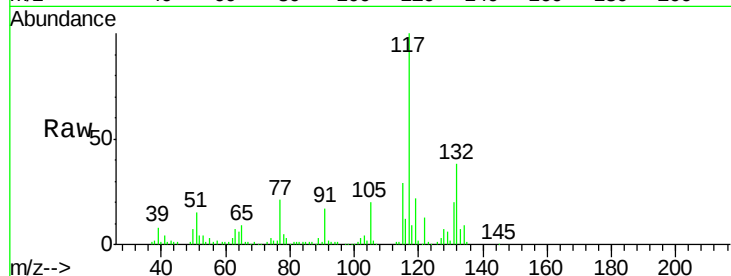
Acq: 19 Feb 2018 12:32

Instrument :

BNA_F

ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
107	2.6	91.2	136.8#
121	2.9	47.2	70.8#



#32

Benzoic acid

Concen: 12.414 ng

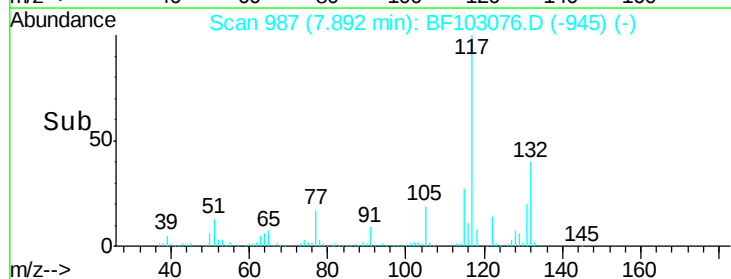
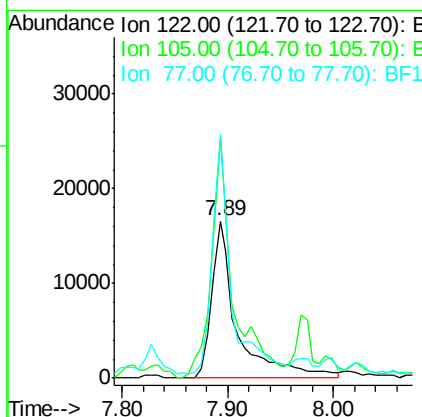
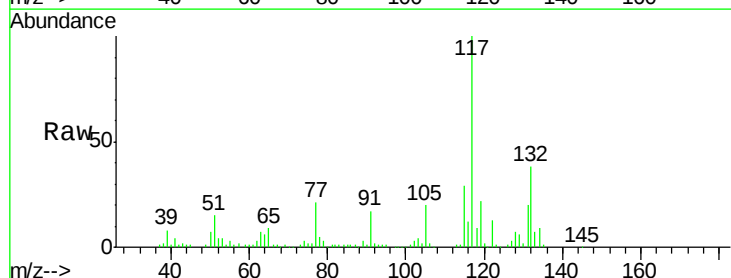
RT: 7.89 min Scan# 987

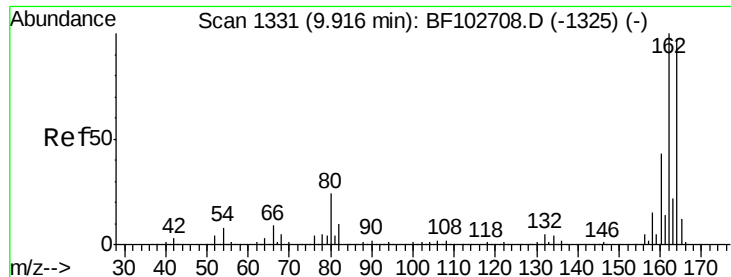
Delta R.T. -0.05 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

Tgt Ion	Ratio	Lower	Upper
122	100		
105	152.7	101.1	141.1#
77	155.4	70.7	110.7#

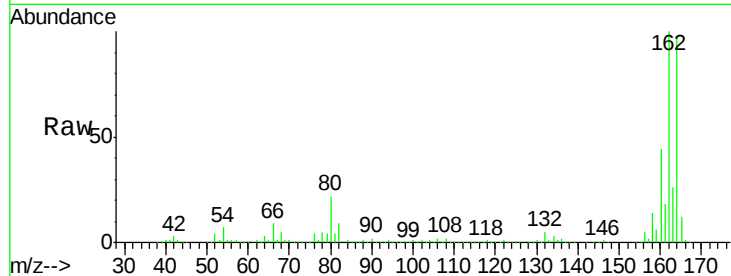




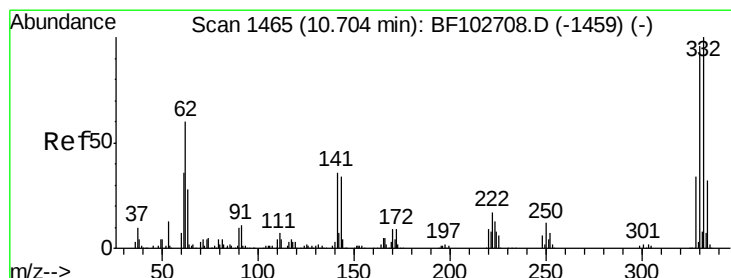
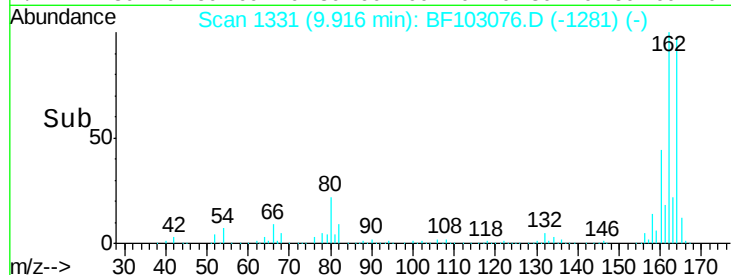
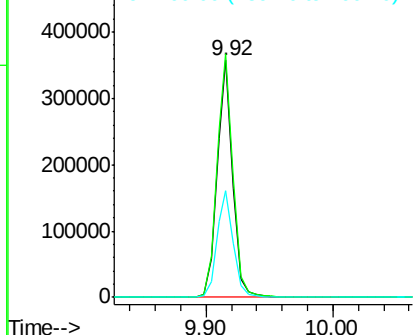
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103076.D
Acq: 19 Feb 2018 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 308438
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 45.0 38.3 57.5

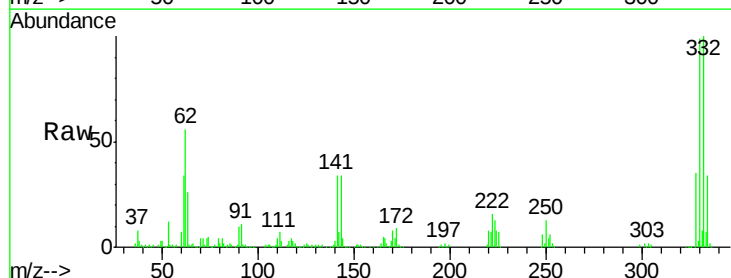


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

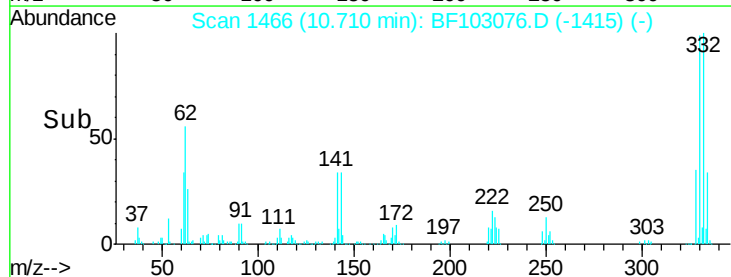
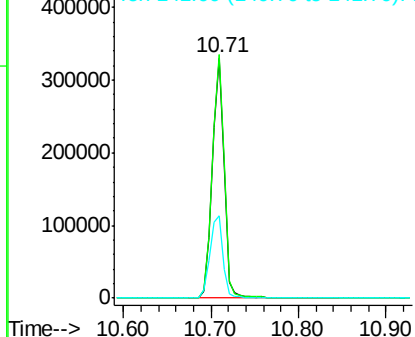


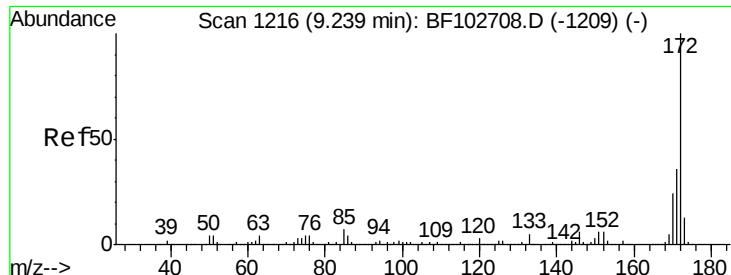
#41
2,4,6-Tribromophenol
Concen: 126.358 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF103076.D
Acq: 19 Feb 2018 12:32

Tgt Ion:330 Resp: 313691
Ion Ratio Lower Upper
330 100
332 102.1 77.0 115.6
141 37.8 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

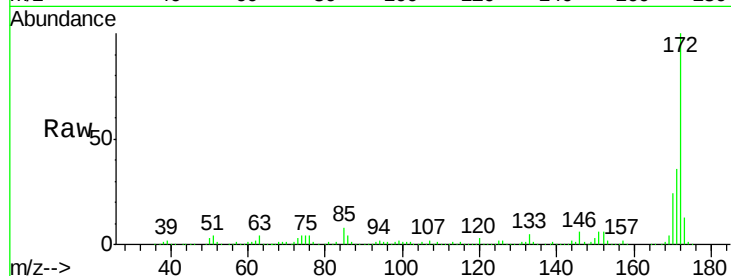




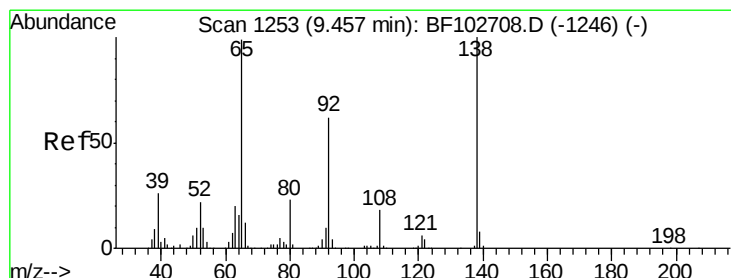
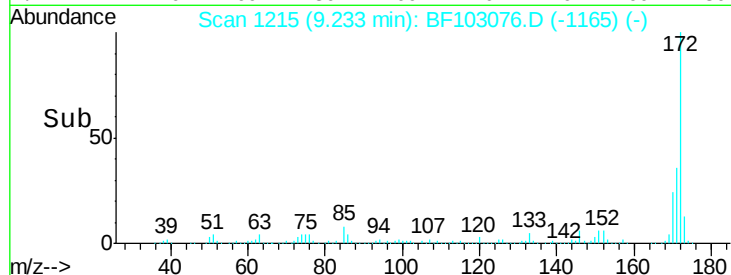
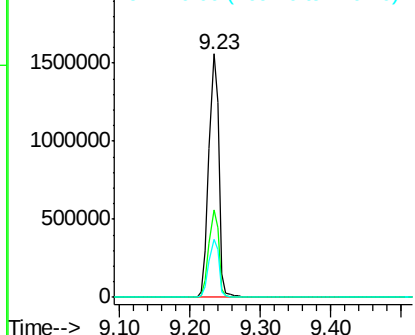
#44
2-Fluorobiphenyl
Concen: 82.910 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103076.D
Acq: 19 Feb 2018 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1541122
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.0 19.6 29.4

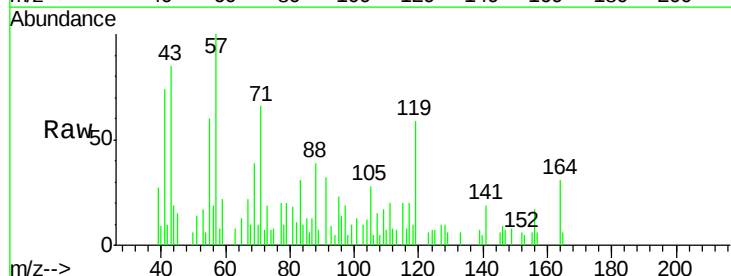


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

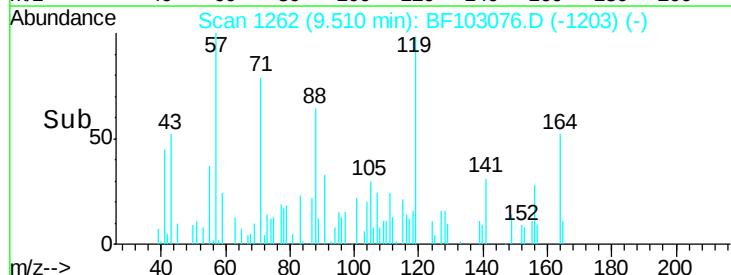
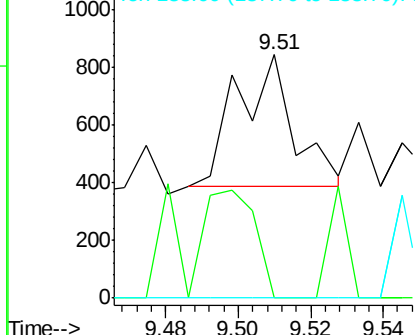


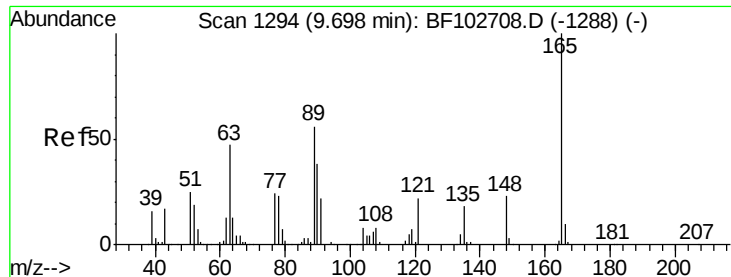
#47
2-Nitroaniline
Concen: 3.544 ng
RT: 9.51 min Scan# 1262
Delta R.T. 0.05 min
Lab File: BF103076.D
Acq: 19 Feb 2018 12:32

Tgt Ion: 65 Resp: 489
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

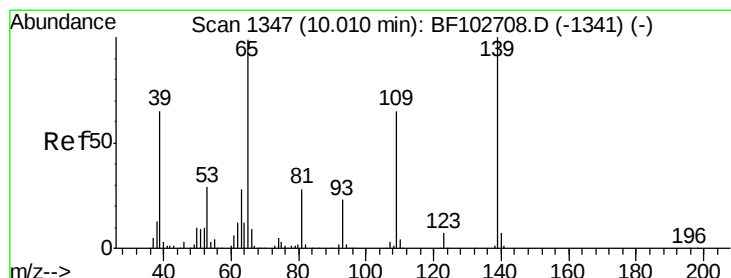
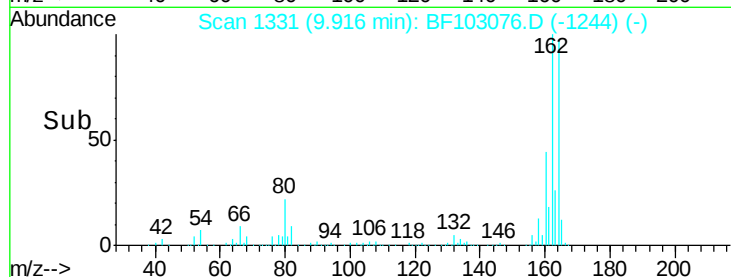
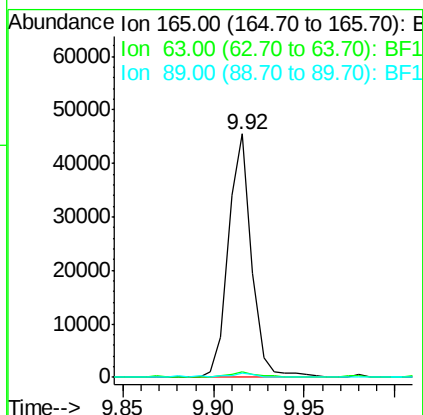
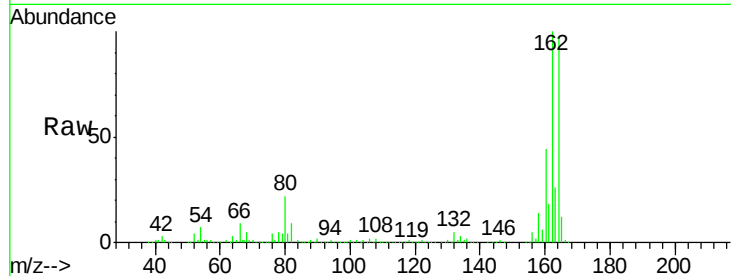




#50
 2,6-Dinitrotoluene
 Concen: 8.838 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103076.D
 Acq: 19 Feb 2018 12:32

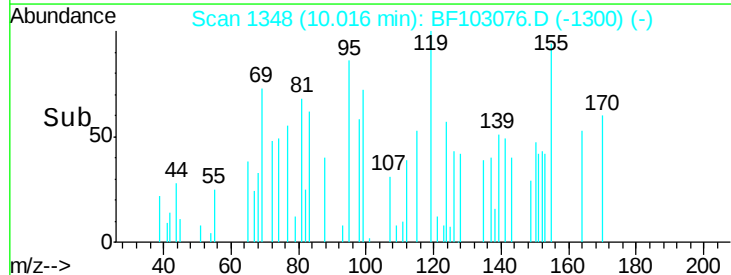
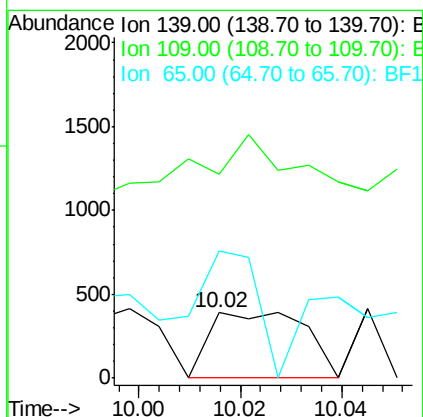
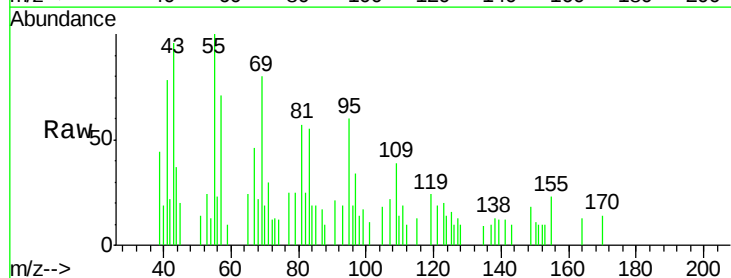
Instrument :
 BNA_F
 ClientSampleId :

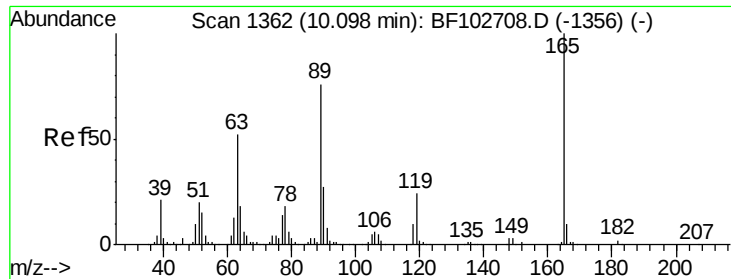
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	1.9	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 4.129 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.02 min
 Lab File: BF103076.D
 Acq: 19 Feb 2018 12:32

Tgt Ion	Ratio	Lower	Upper
139	100		
109	311.3	48.4	88.4#
65	193.9	72.6	112.6#

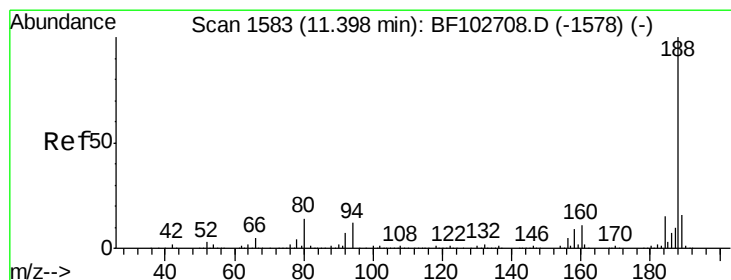
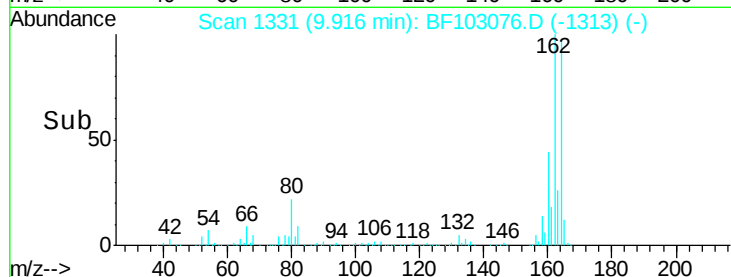
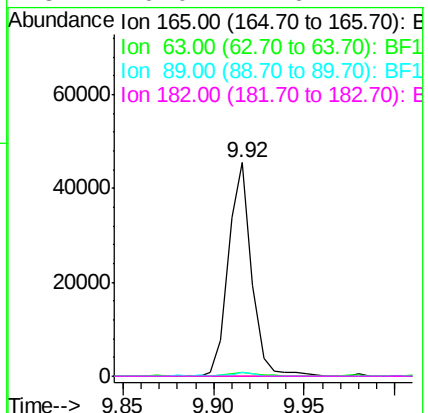
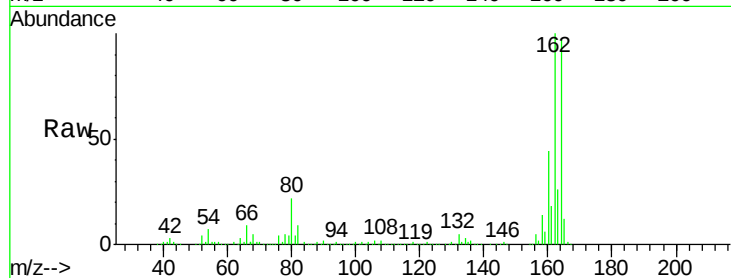




#56
 2,4-Dinitrotoluene
 Concen: 9.243 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103076.D
 Acq: 19 Feb 2018 12:32

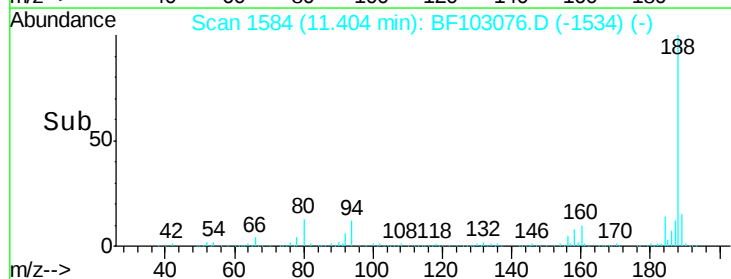
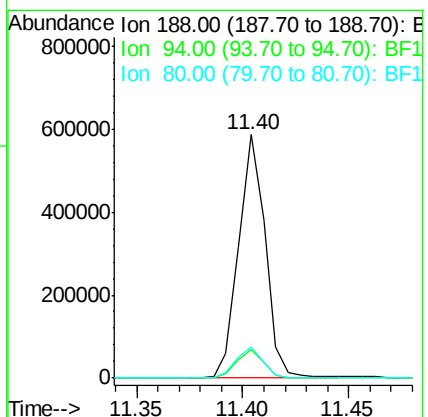
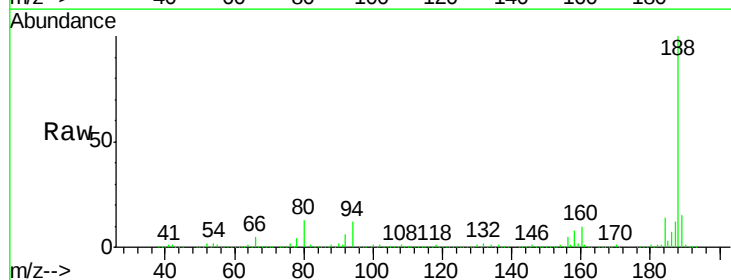
Instrument :
 BNA_F
 ClientSampleId :

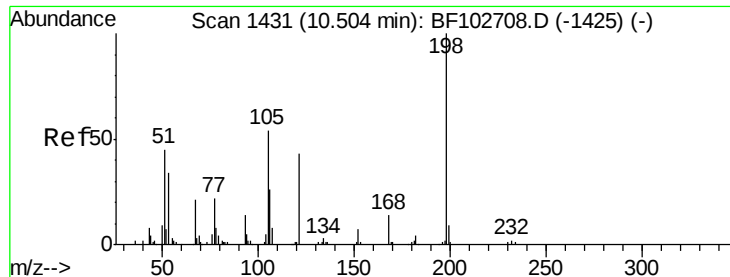
Tot Ion:165 Resp: 40439
 Ion Ratio Lower Upper
 165 100
 63 2.0 36.4 54.6#
 89 1.9 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103076.D
 Acq: 19 Feb 2018 12:32

Tgt Ion:188 Resp: 513124
 Ion Ratio Lower Upper
 188 100
 94 11.9 8.5 12.7
 80 12.9 9.2 13.8

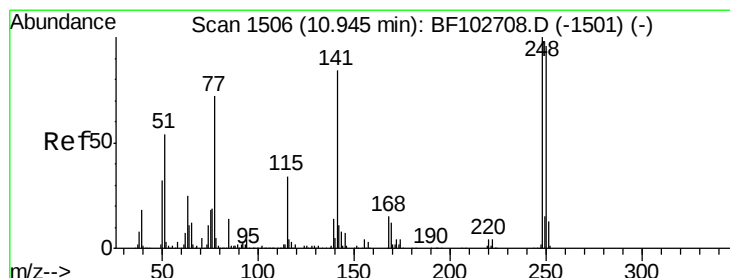
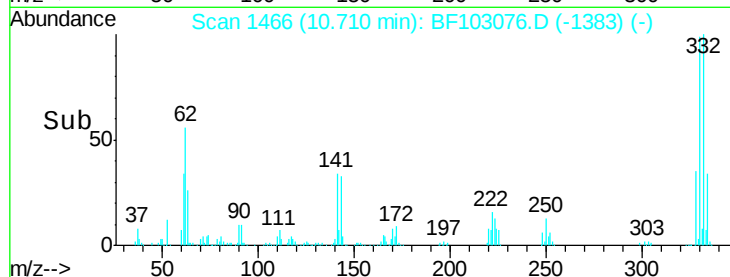
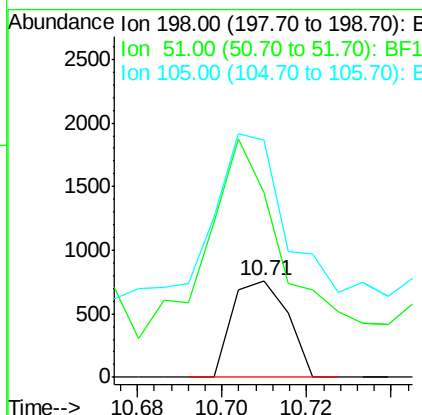
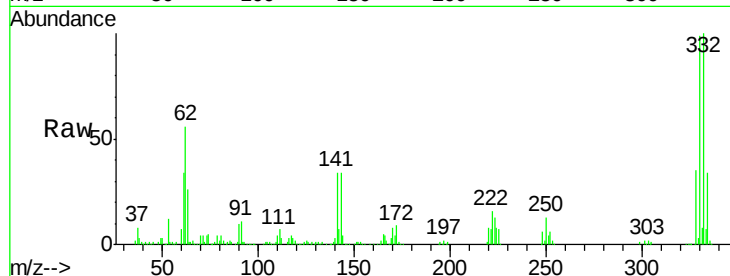




#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.089 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF103076.D
 Acq: 19 Feb 2018 12:32

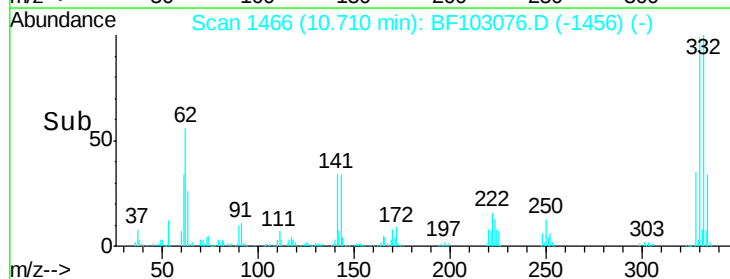
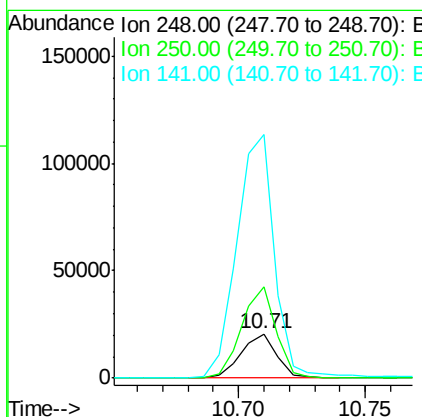
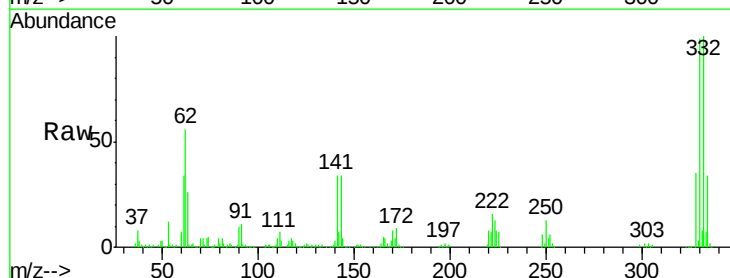
Instrument :
 BNA_F
 ClientSampleId :

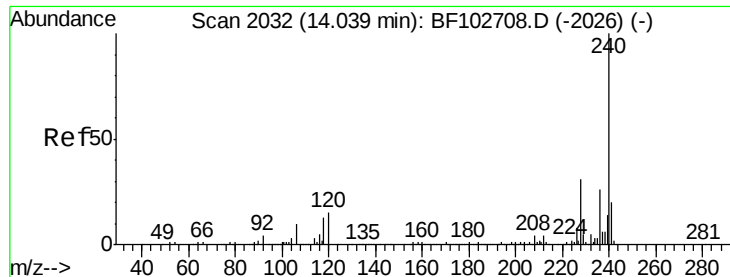
Tot Ion:198 Resp: 686
 Ion Ratio Lower Upper
 198 100
 51 191.2 37.7 77.7#
 105 246.4 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.613 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103076.D
 Acq: 19 Feb 2018 12:32

Tgt Ion:248 Resp: 19611
 Ion Ratio Lower Upper
 248 100
 250 205.4 76.9 115.3#
 141 551.2 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

Instrument :

BNA_F

ClientSampleId :

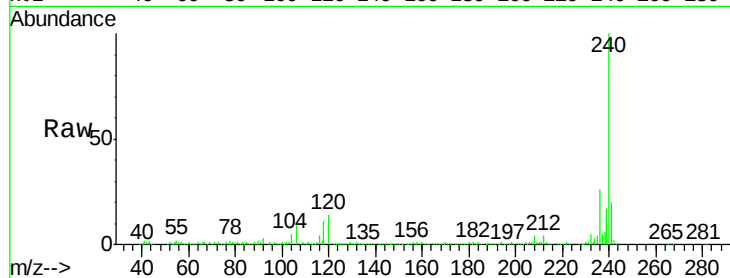
Tot Ion:240 Resp: 312731

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

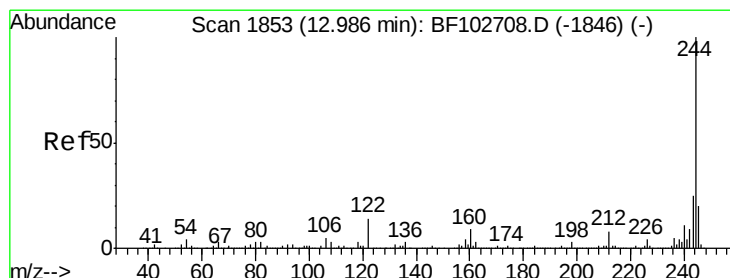
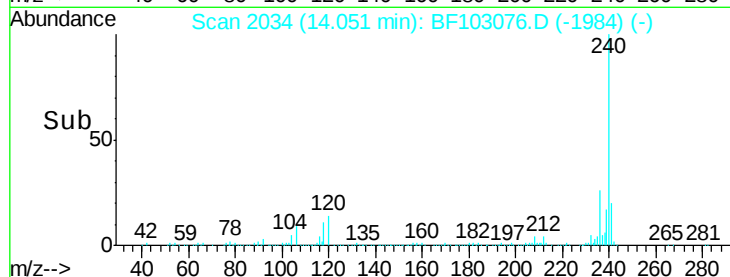
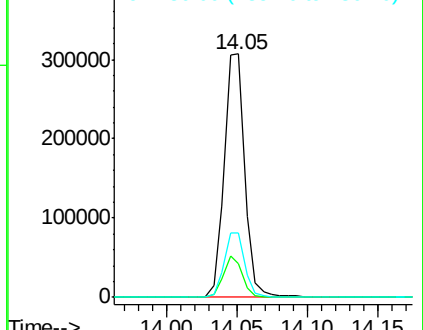
236 26.5 20.7 31.1



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: 96.024 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103076.D

Acq: 19 Feb 2018 12:32

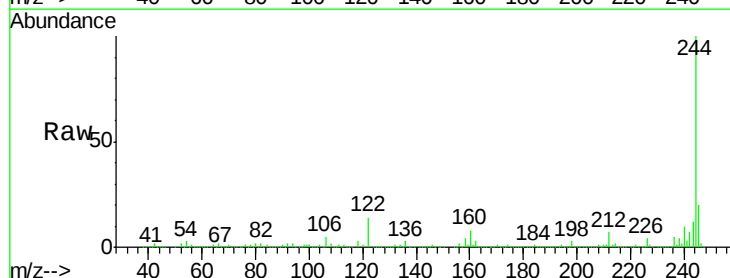
Tgt Ion:244 Resp: 1268263

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

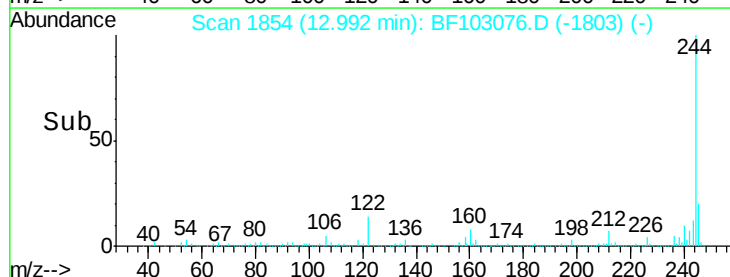
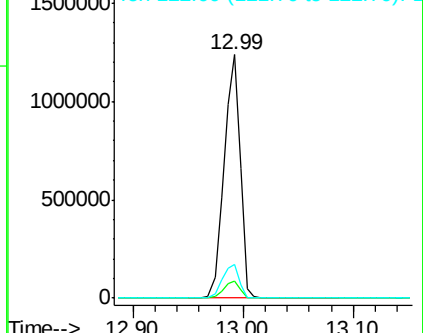
122 13.8 11.0 16.4

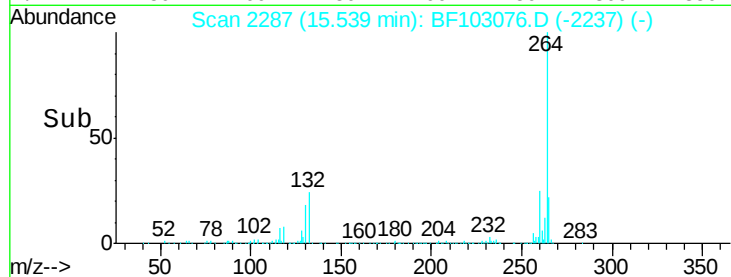
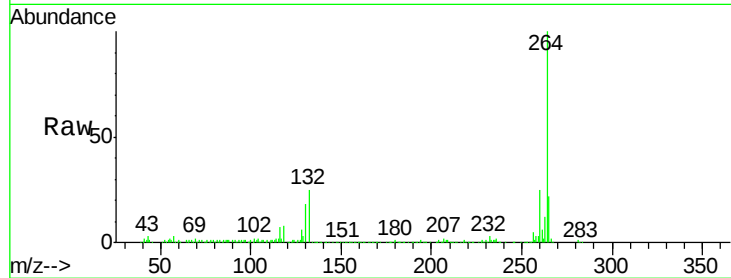
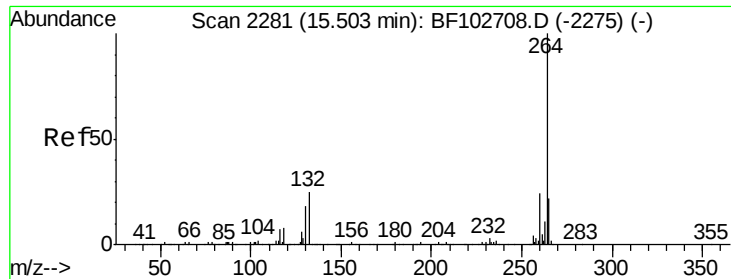


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.01 min
 Lab File: BF103076.D
 Acq: 19 Feb 2018 12:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	21.8	17.5	26.3

