

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103821.D
 Acq On : 20 Mar 2018 23:40
 Operator : JU/SJ
 Sample : J1981-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 01:01:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	146244	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	622352	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	250704	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	389202	20.00	ng	0.00
75) Chrysene-d12	14.16	240	266464	20.00	ng	0.00
86) Perylene-d12	15.70	264	224147	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1033501	107.49	ng	0.02
7) Phenol-d6	6.60	99	1257543	106.90	ng	0.01
23) Nitrobenzene-d5	7.53	82	833165	93.36	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	277430	128.70	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1288252	81.97	ng	0.00
78) Terphenyl-d14	13.09	244	956623	83.33	ng	0.00

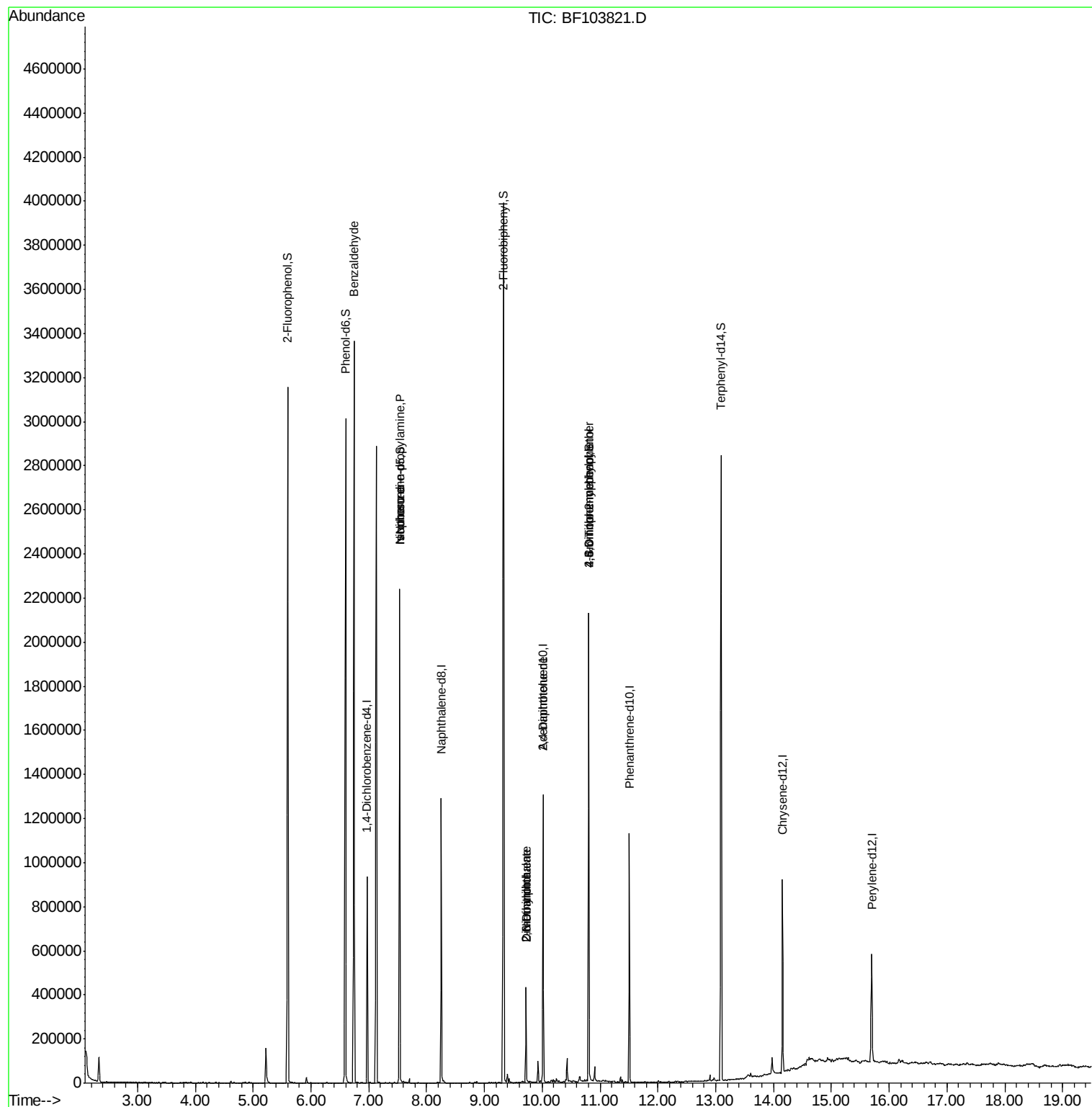
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	21407	2.770	ng	86
19) n-Nitroso-di-n-propylamine	7.53	70	108487	14.391	ng	# 72
25) Isophorone	7.53	82	833158	40.328	ng	# 64
47) 2-Nitroaniline	9.72	65	1362	7.083	ng	# 1
49) Dimethylphthalate	9.72	163	152302	7.963	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1470	4.348	ng	# 11
56) 2,4-Dinitrotoluene	10.02	165	32015	12.159	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	441	8.456	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	16819	4.209	ng	# 1

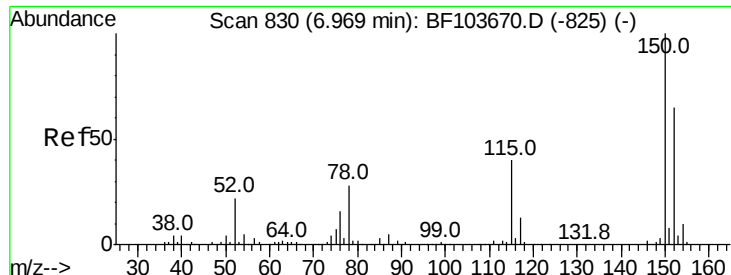
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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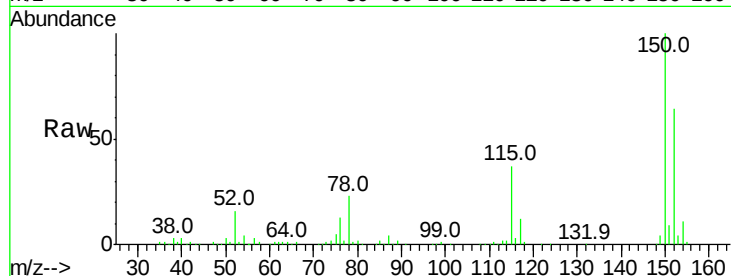


#1

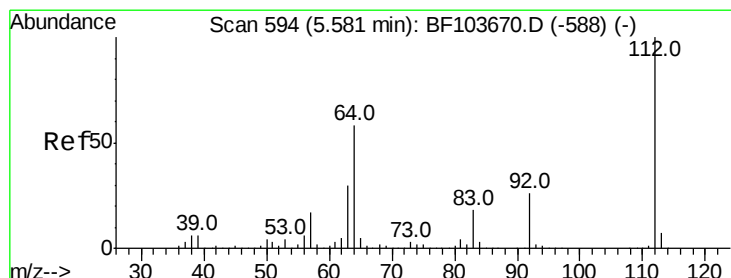
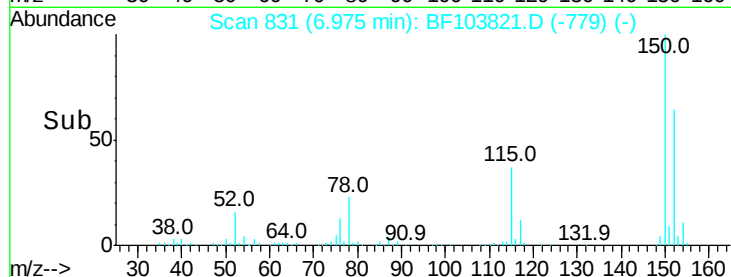
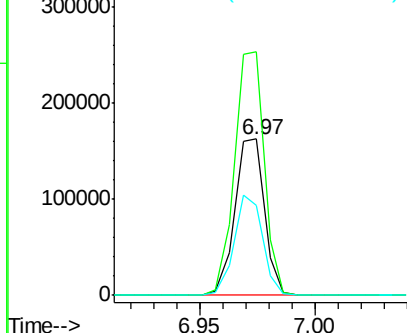
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103821.D
Acq: 20 Mar 2018 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146244
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 58.1 50.1 75.1



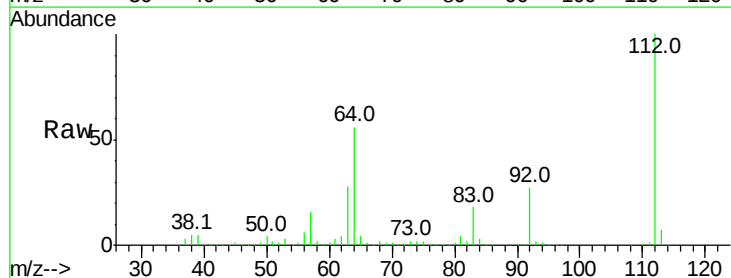
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



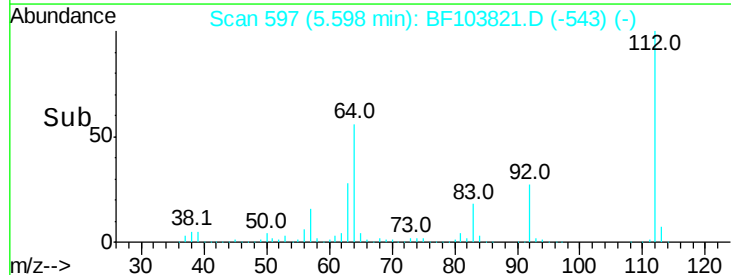
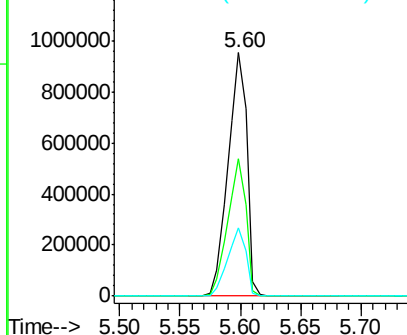
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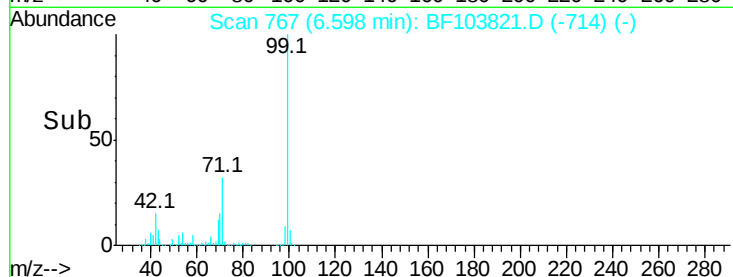
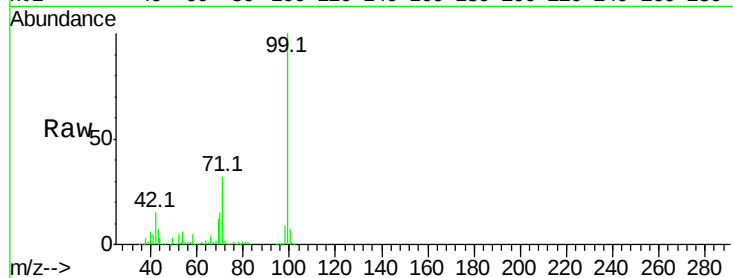
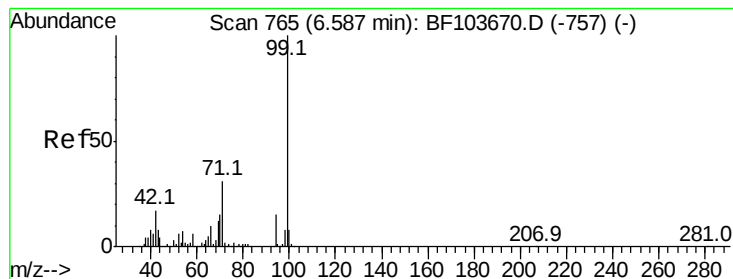
2-Fluorophenol
Concen: 107.488 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103821.D
Acq: 20 Mar 2018 23:40

Tgt Ion:112 Resp: 1033501
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 28.1 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: 106.904 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103821.D

Acq: 20 Mar 2018 23:40

Instrument :

BNA_F

ClientSampleId :

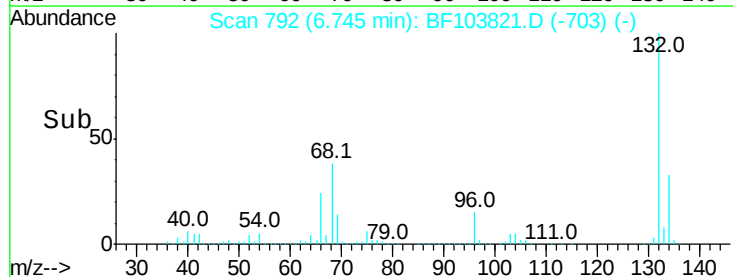
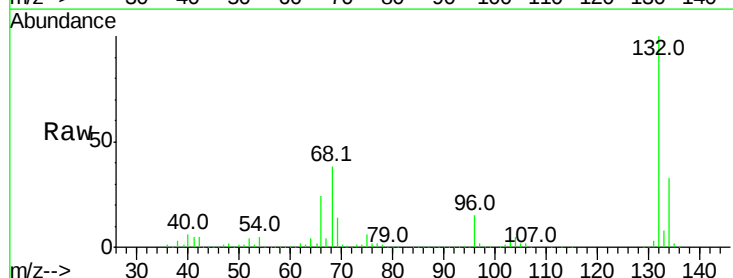
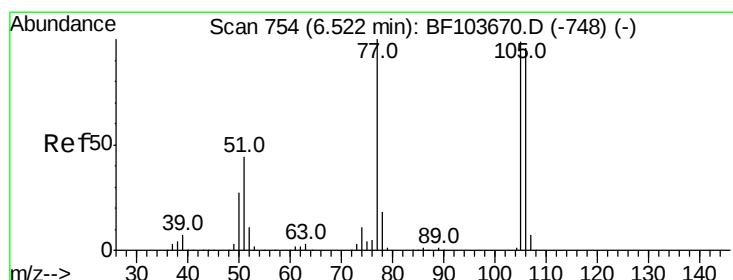
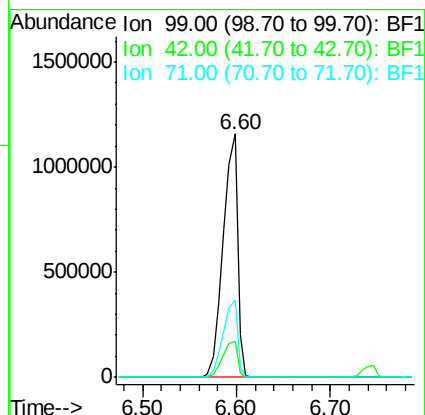
Tot Ion: 99 Resp: 1257543

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

71 31.7 25.4 38.0



#9

Benzaldehyde

Concen: 2.770 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103821.D

Acq: 20 Mar 2018 23:40

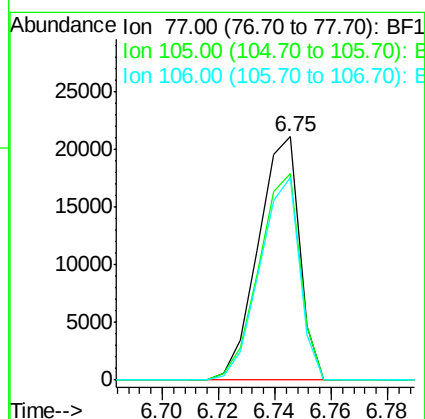
Tgt Ion: 77 Resp: 21407

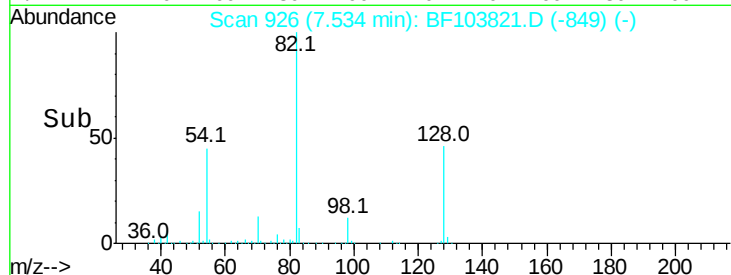
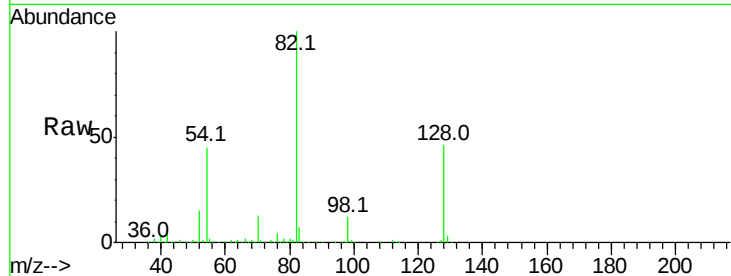
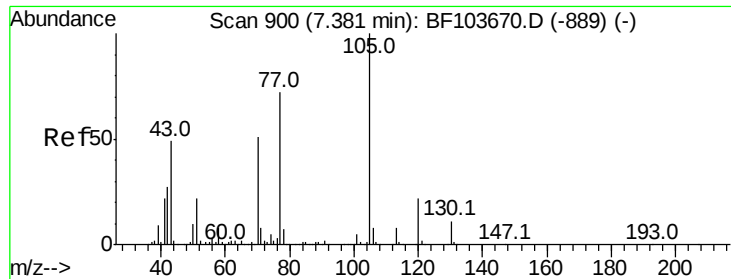
Ion Ratio Lower Upper

77 100

105 84.7 81.1 121.1

106 83.5 74.5 114.5

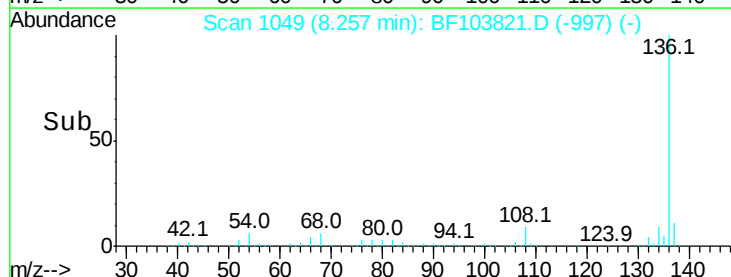
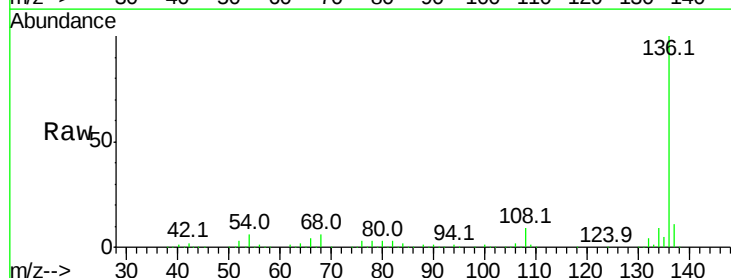
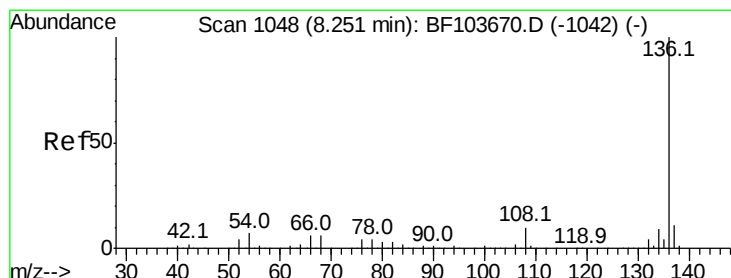
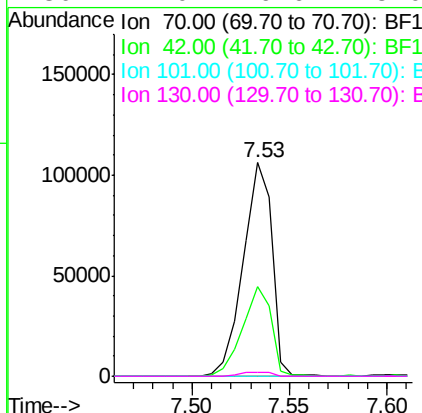




#19
n-Nitroso-di-n-propylamine
Concen: 14.391 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103821.D
Acq: 20 Mar 2018 23:40

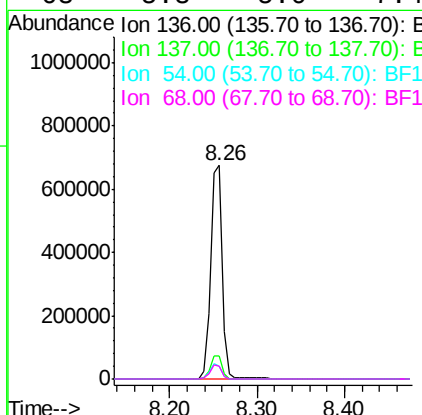
Instrument :
BNA_F
ClientSampleId :

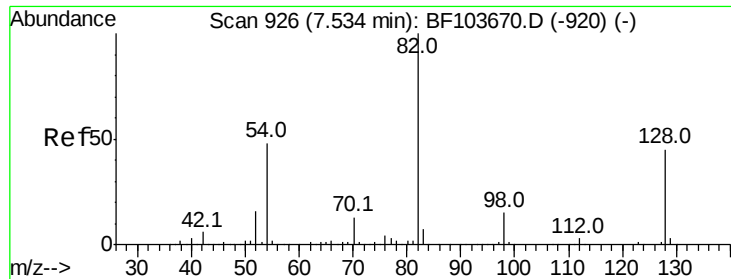
Tot Ion: 70 Resp: 108487
Ion Ratio Lower Upper
70 100
42 41.7 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF103821.D
Acq: 20 Mar 2018 23:40

Tgt Ion:136 Resp: 622352
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.2 6.6 9.8#
68 5.8 5.0 7.4

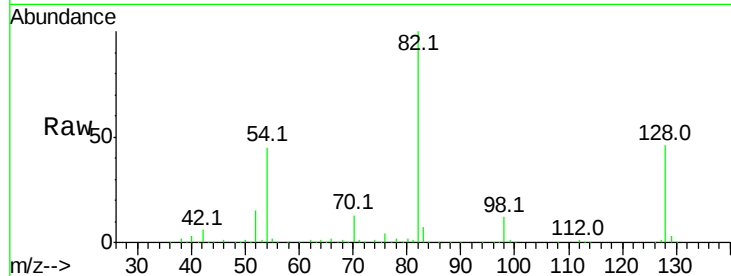




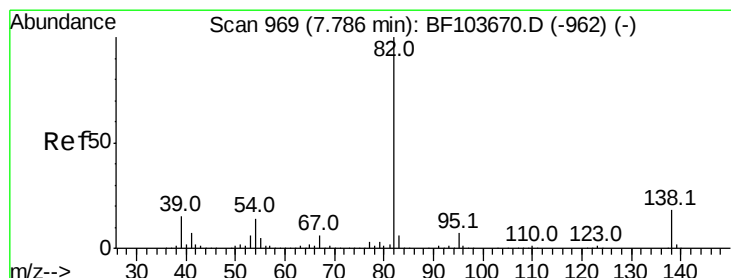
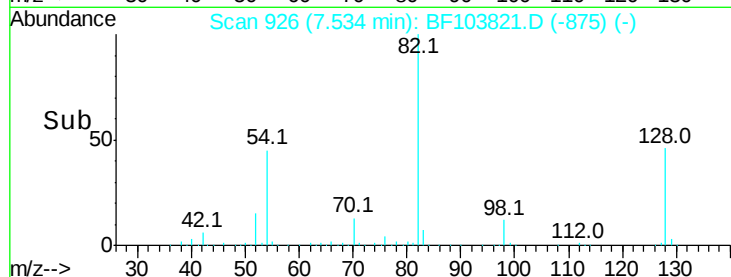
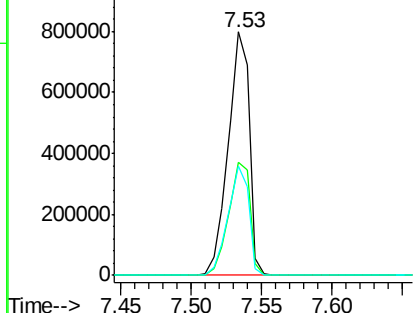
#23
Nitrobenzene-d5
Concen: 93.358 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF103821.D
Acq: 20 Mar 2018 23:40

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 833165
Ion Ratio Lower Upper
82 100
128 46.4 36.1 54.1
54 44.8 41.4 62.2

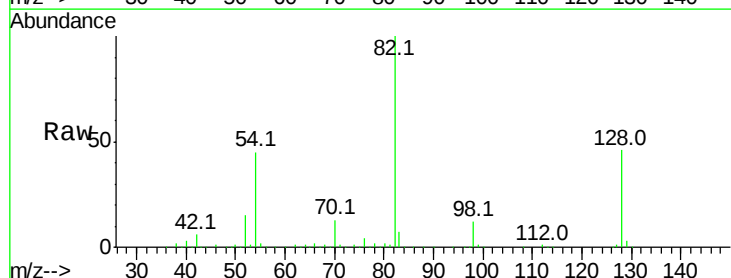


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

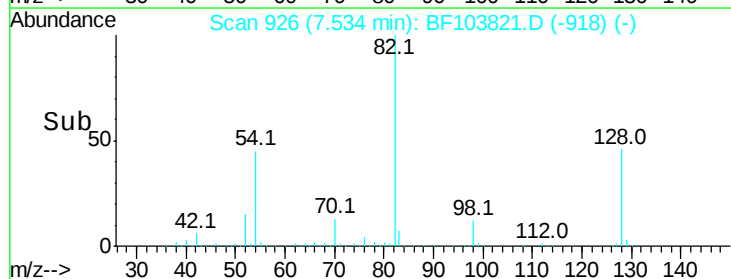
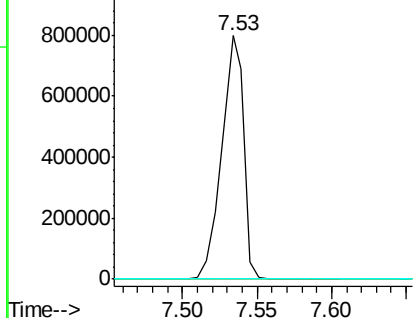


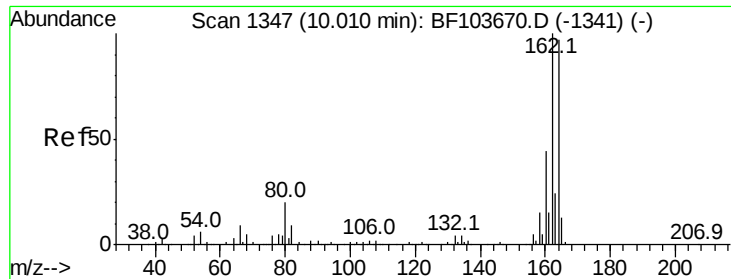
#25
Isophorone
Concen: 40.328 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF103821.D
Acq: 20 Mar 2018 23:40

Tgt Ion: 82 Resp: 833158
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

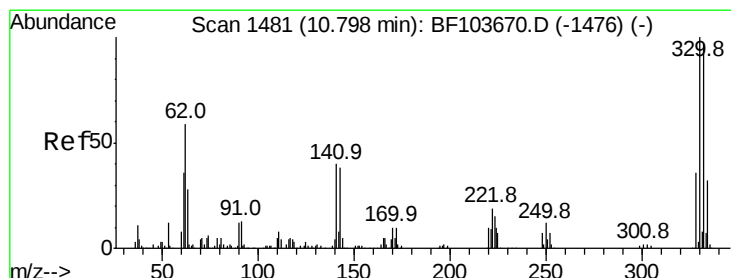
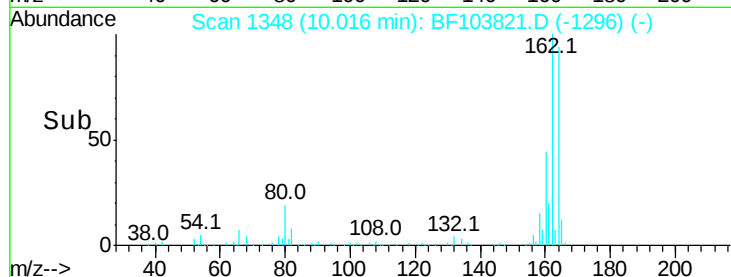
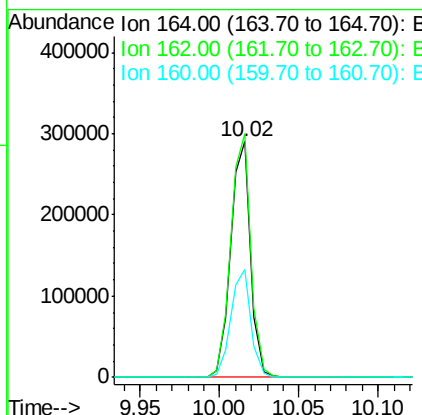
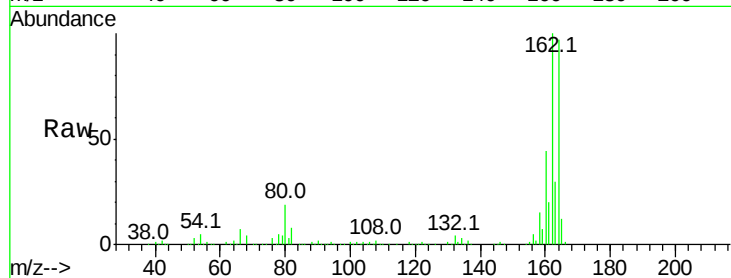




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103821.D
Acq: 20 Mar 2018 23:40

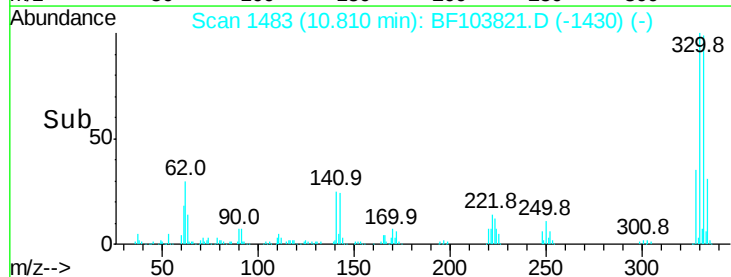
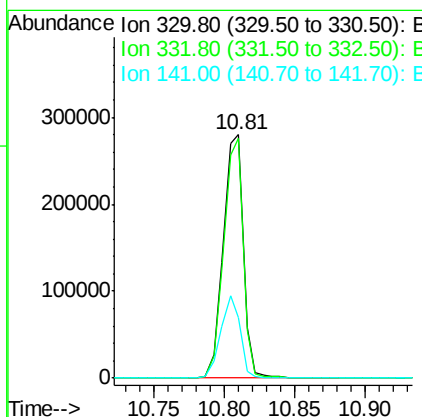
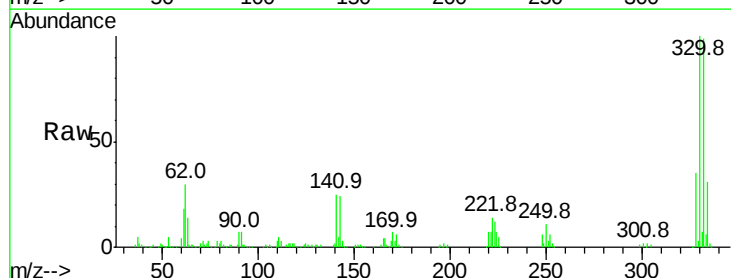
Instrument :
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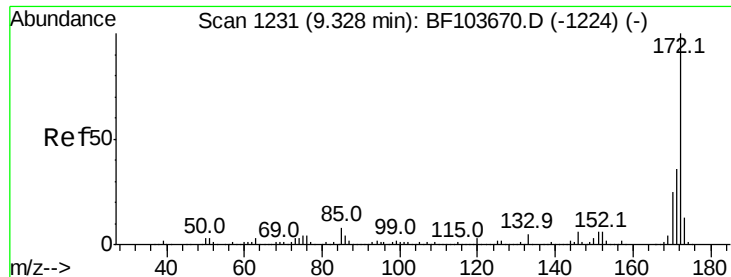
Tot Ion:164 Resp: 250704
Ion Ratio Lower Upper
164 100
162 103.3 86.1 129.1
160 45.6 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 128.704 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BF103821.D
Acq: 20 Mar 2018 23:40

Tgt Ion:330 Resp: 277430
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 32.6 29.9 44.9

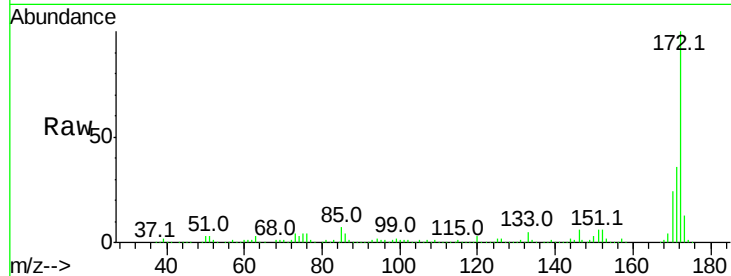




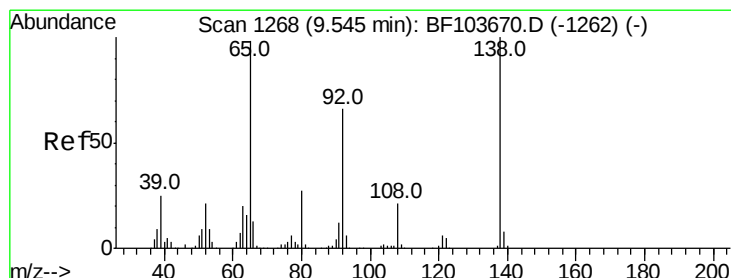
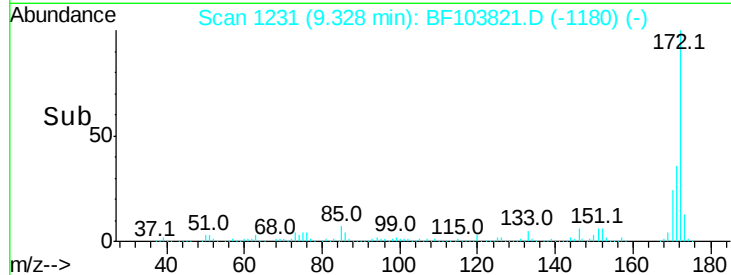
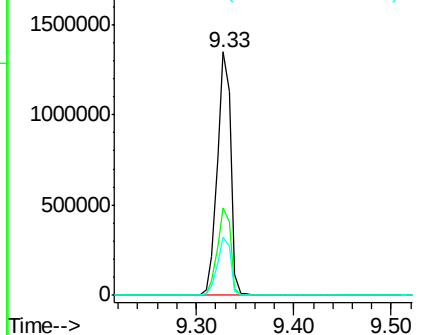
#44
 2-Fluorobiphenyl
 Concen: 81.967 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103821.D
 Acq: 20 Mar 2018 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1288252
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.1 19.6 29.4

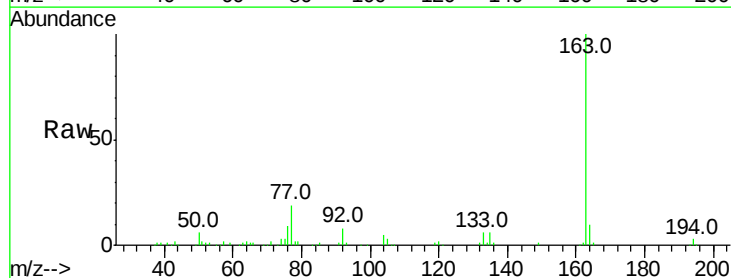


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

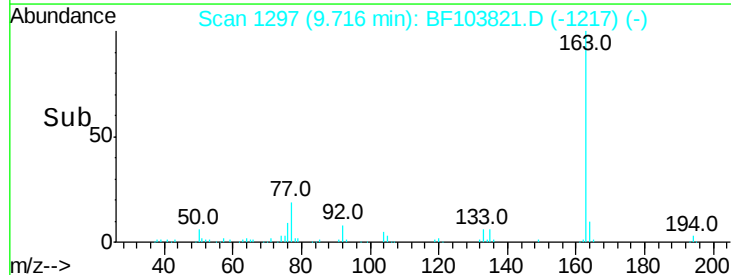
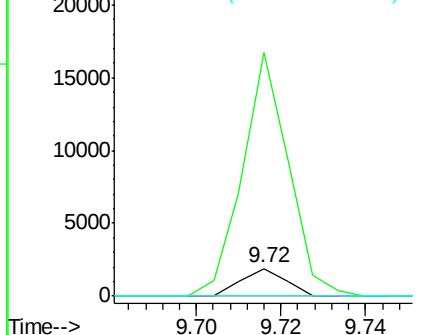


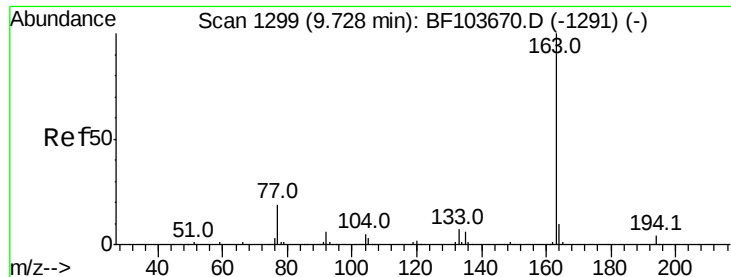
#47
 2-Nitroaniline
 Concen: 7.083 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.17 min
 Lab File: BF103821.D
 Acq: 20 Mar 2018 23:40

Tgt Ion: 65 Resp: 1362
 Ion Ratio Lower Upper
 65 100
 92 891.7 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

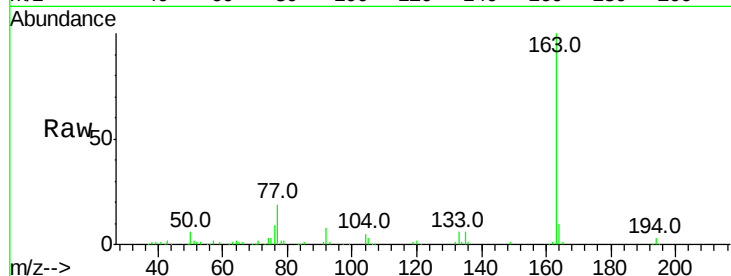




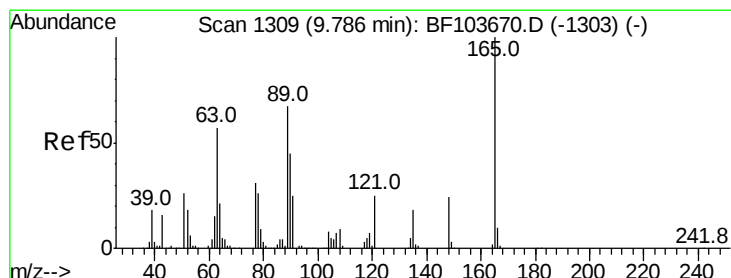
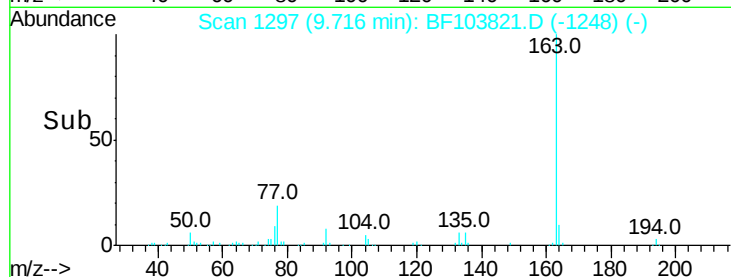
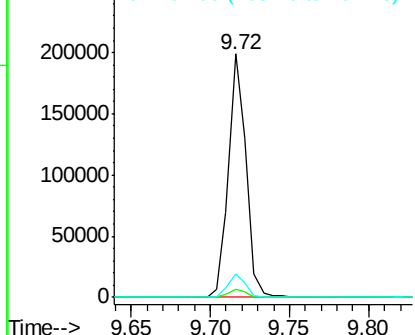
#49
Dimethylphthalate
Concen: 7.963 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103821.D
Acq: 20 Mar 2018 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 152302
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.6 8.2 12.2

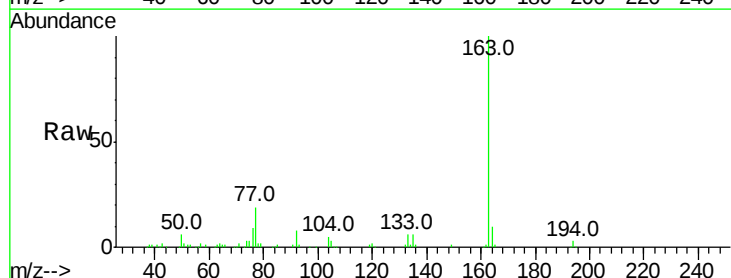


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

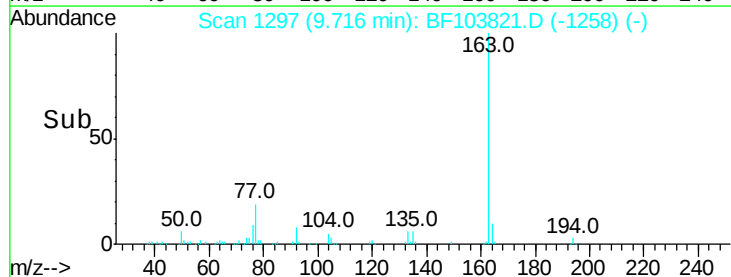
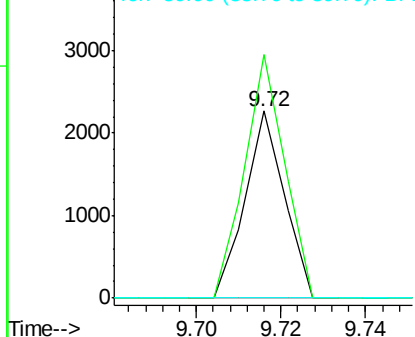


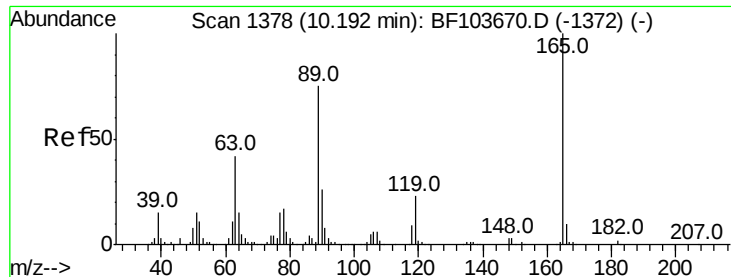
#50
2,6-Dinitrotoluene
Concen: 4.348 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.07 min
Lab File: BF103821.D
Acq: 20 Mar 2018 23:40

Tgt Ion:165 Resp: 1470
Ion Ratio Lower Upper
165 100
63 130.3 44.7 67.1#
89 0.0 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

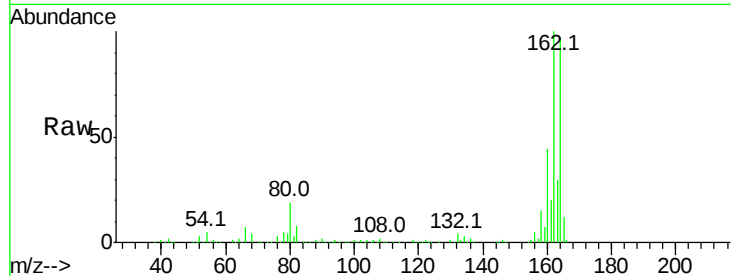




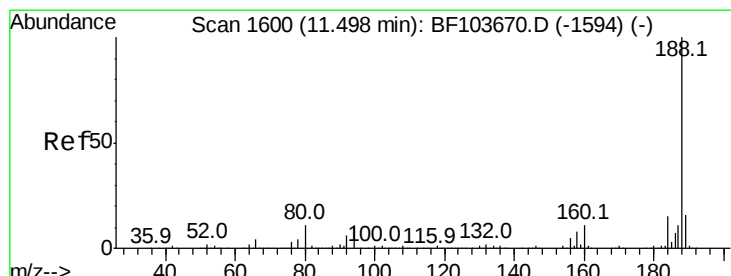
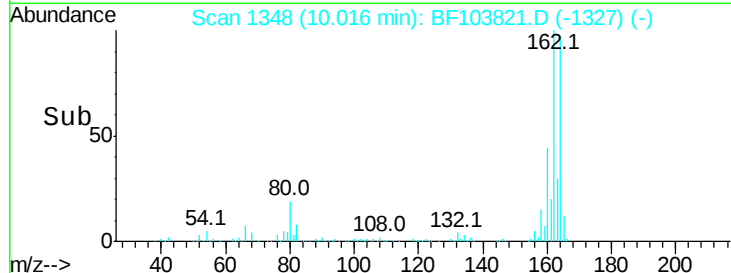
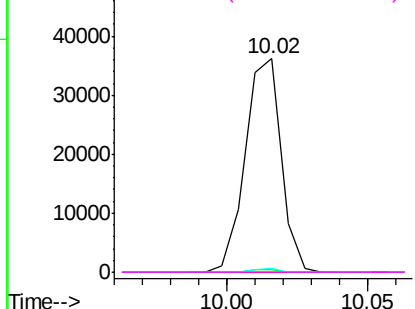
#56
 2,4-Dinitrotoluene
 Concen: 12.159 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.18 min
 Lab File: BF103821.D
 Acq: 20 Mar 2018 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	32015
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

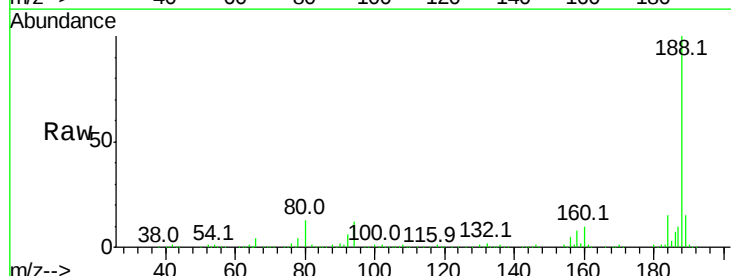


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

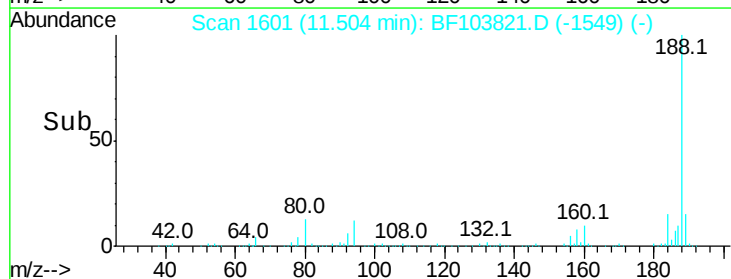
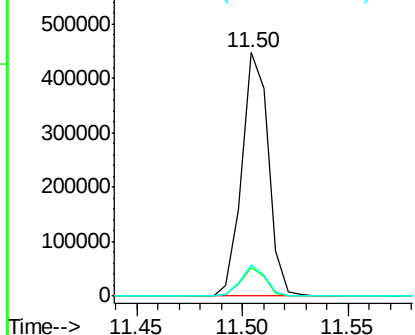


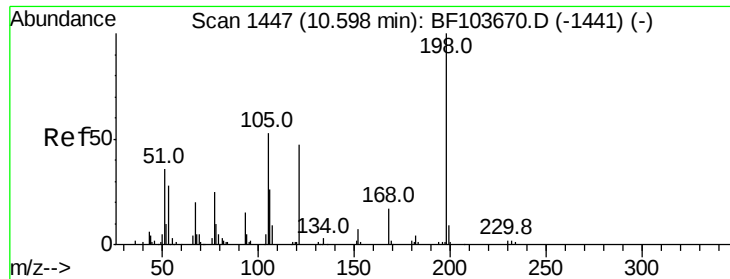
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103821.D
 Acq: 20 Mar 2018 23:40

Tgt Ion:	188	Resp:	389202
Ion	Ratio	Lower	Upper
188	100		
94	11.9	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: 8.456 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.21 min

Lab File: BF103821.D

Acq: 20 Mar 2018 23:40

Instrument :

BNA_F

ClientSampleId :

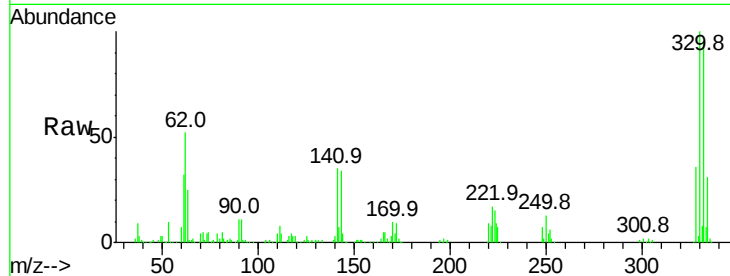
Tot Ion:198 Resp: 441

Ion Ratio Lower Upper

198 100

51 184.0 37.7 77.7#

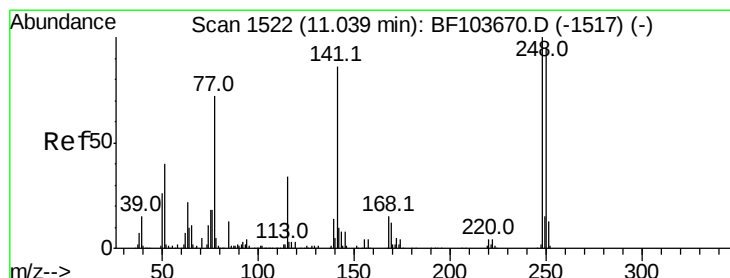
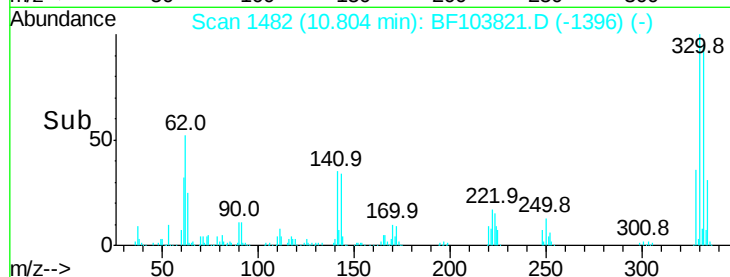
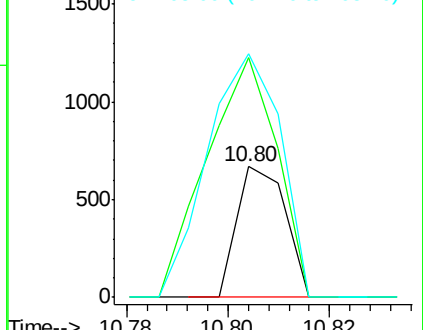
105 186.4 36.3 76.3#



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: 4.209 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.24 min

Lab File: BF103821.D

Acq: 20 Mar 2018 23:40

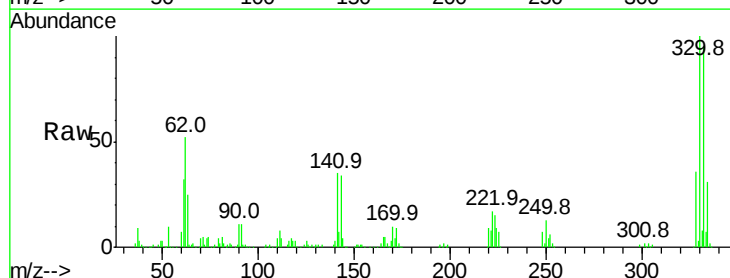
Tgt Ion:248 Resp: 16819

Ion Ratio Lower Upper

248 100

250 196.9 76.9 115.3#

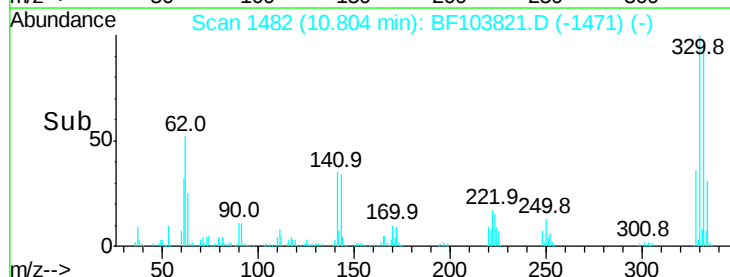
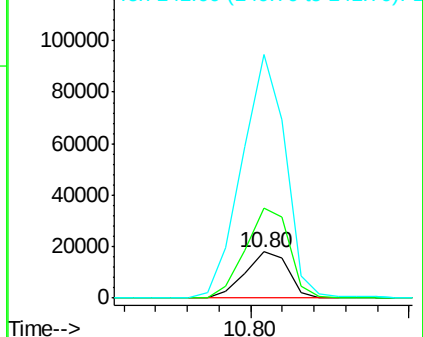
141 528.9 74.4 111.6#

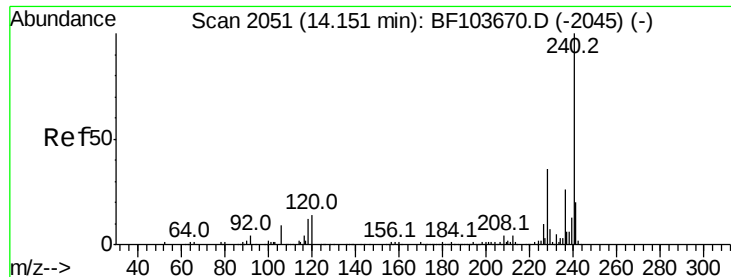


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103821.D

Acq: 20 Mar 2018 23:40

Instrument :

BNA_F

ClientSampleId :

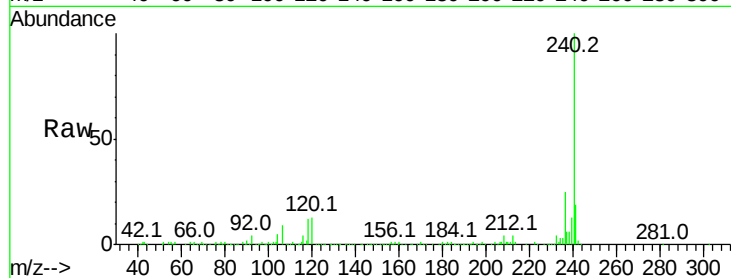
Tot Ion:240 Resp: 266464

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

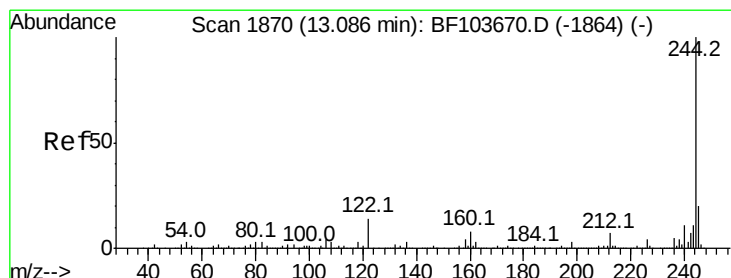
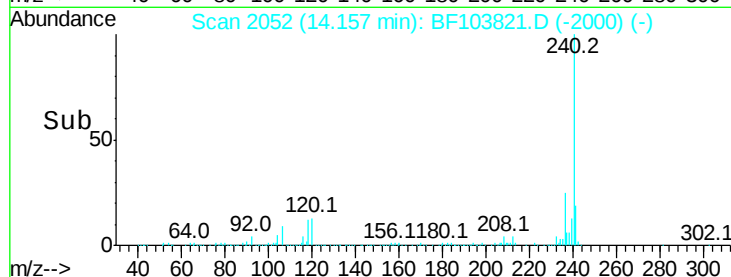
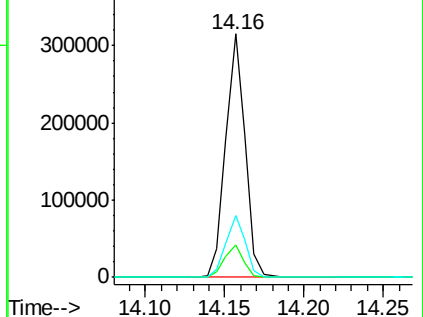
236 25.4 20.7 31.1



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: 83.331 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103821.D

Acq: 20 Mar 2018 23:40

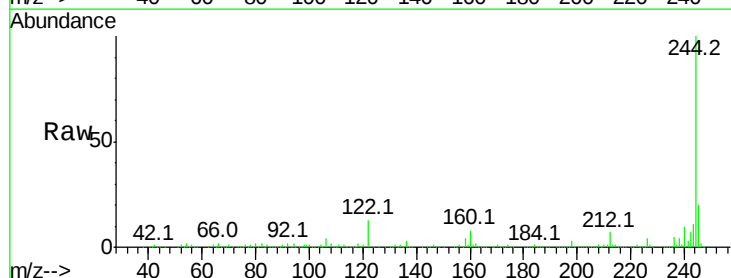
Tgt Ion:244 Resp: 956623

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

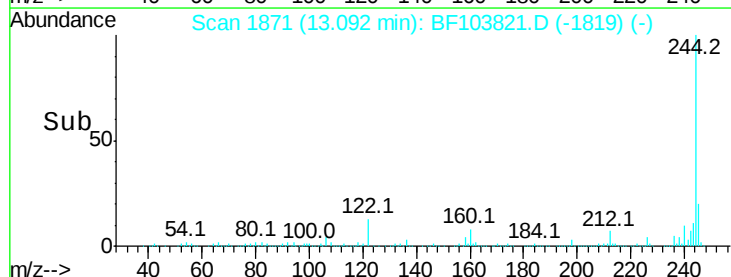
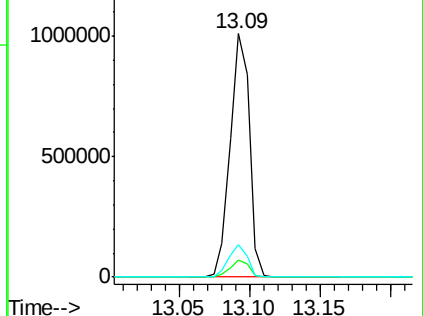
122 13.4 11.0 16.4

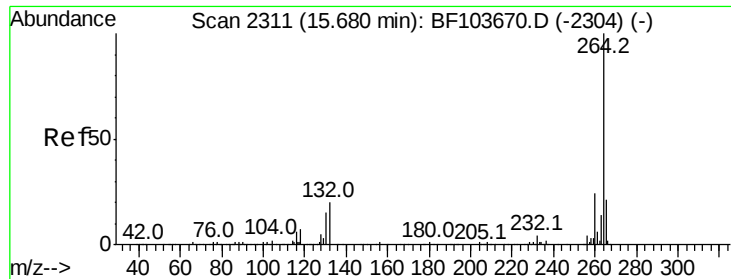


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

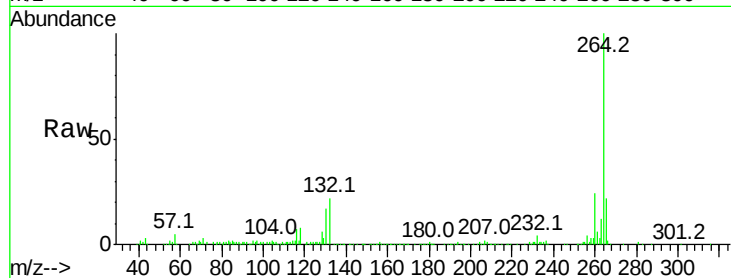




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. 0.02 min
 Lab File: BF103821.D
 Acq: 20 Mar 2018 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	224147
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.3	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

