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 Data File : BF103827.D
 Acq On : 21 Mar 2018 3:24
 Operator : JU/SJ
 Sample : PB107522TB
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 04:45:49 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

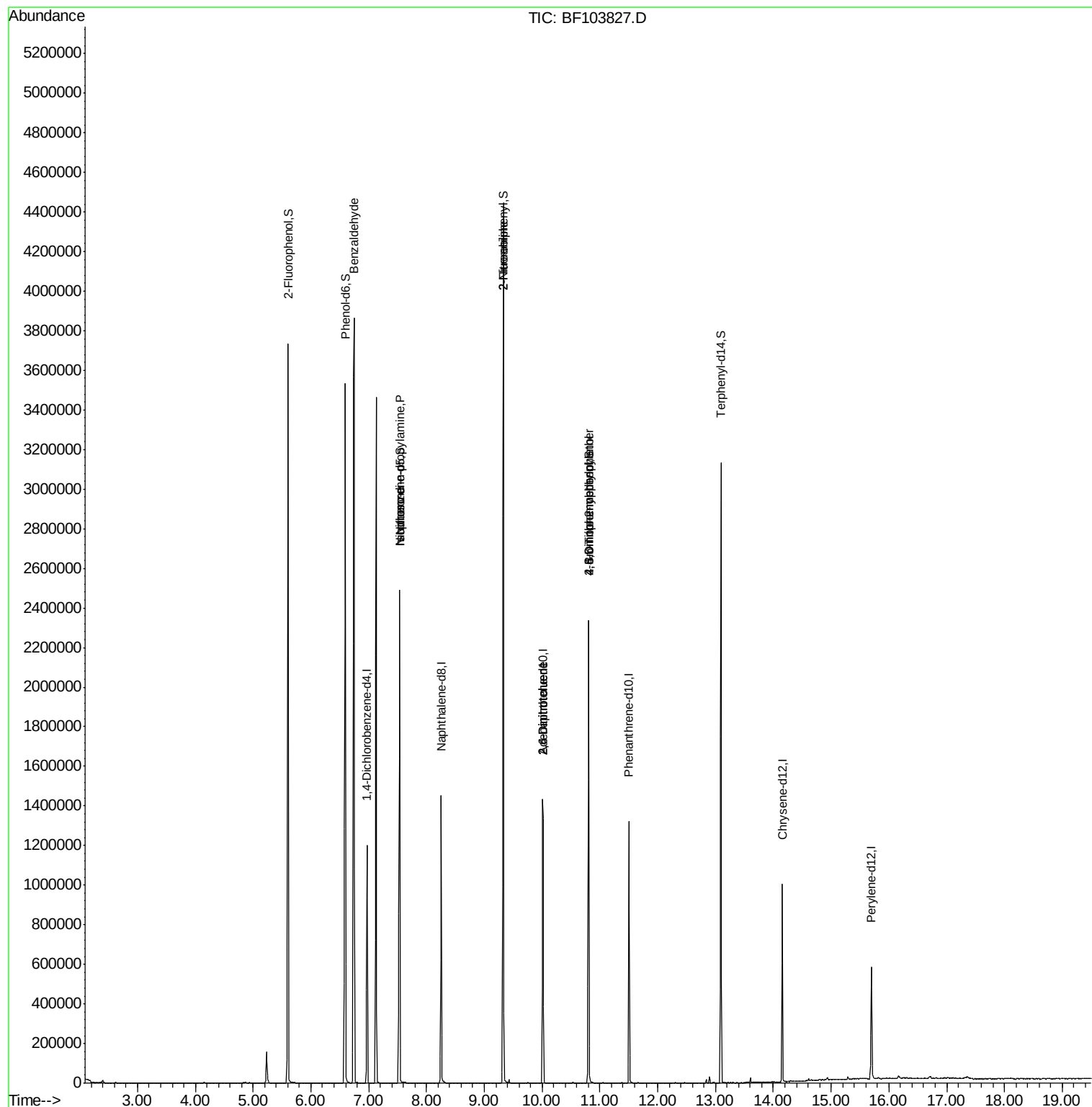
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	172683	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	674497	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	286935	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	433760	20.00	ng	0.00
75) Chrysene-d12	14.16	240	307484	20.00	ng	0.00
86) Perylene-d12	15.70	264	261002	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1255979	110.63	ng	0.02
7) Phenol-d6	6.60	99	1549245	111.54	ng	0.01
23) Nitrobenzene-d5	7.53	82	972052	100.50	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	297670	120.66	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1533827	85.27	ng	0.00
78) Terphenyl-d14	13.10	244	1142755	86.26	ng	0.01
Target Compounds						
9) Benzaldehyde	6.75	77	26397	2.893	ng	84
19) n-Nitroso-di-n-propylamine	7.53	70	126353	14.194	ng	# 73
25) Isophorone	7.53	82	972044	43.413	ng	# 64
47) 2-Nitroaniline	9.33	65	2282	7.208	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	36614	11.912	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	36614	12.155	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	622	8.546	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	17916	4.023	ng	# 1

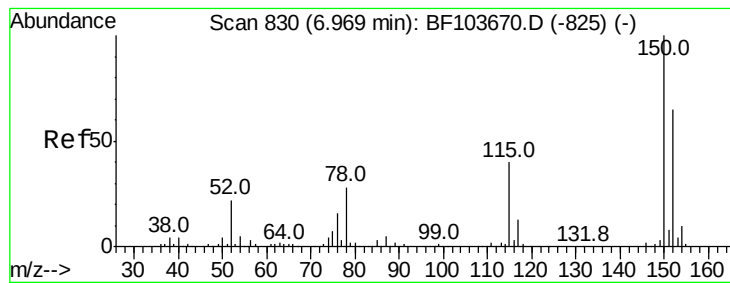
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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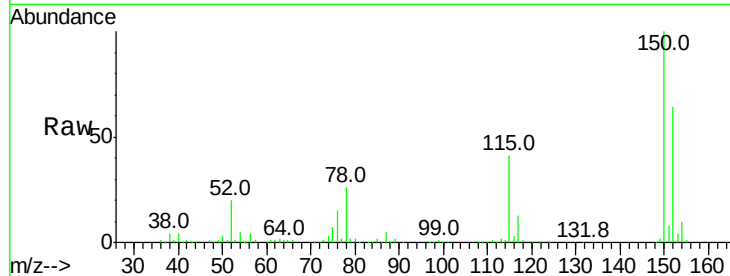


#1

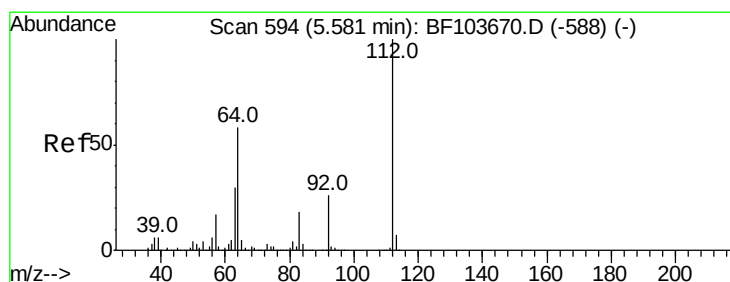
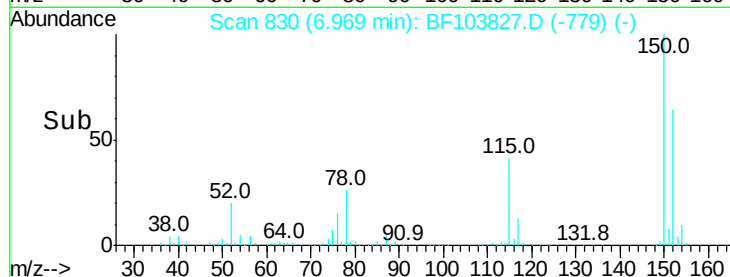
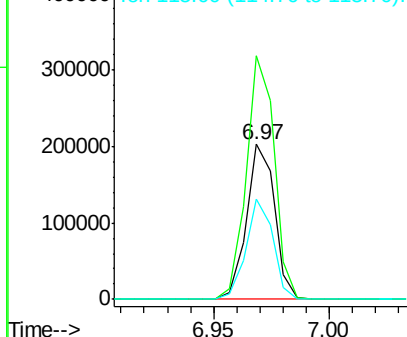
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 172683
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 64.4 50.1 75.1



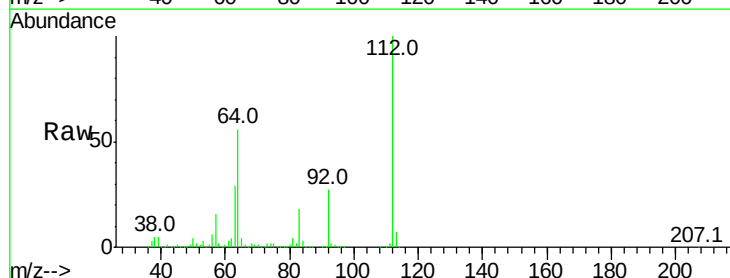
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



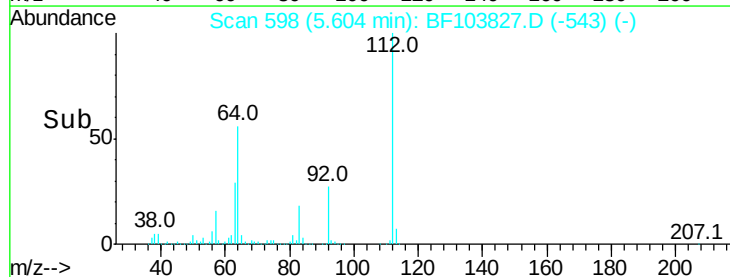
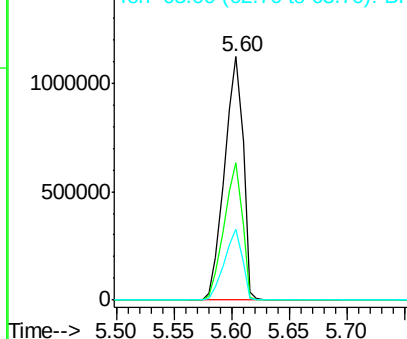
#5

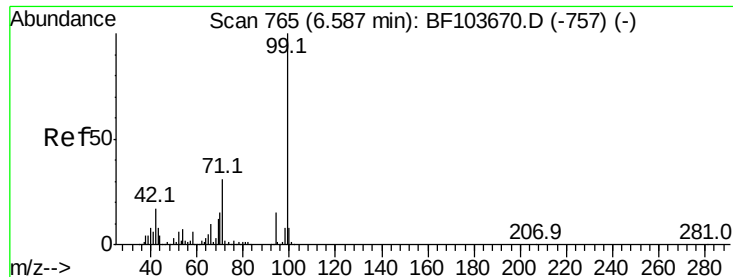
2-Fluorophenol
Concen: 110.627 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

Tgt Ion:112 Resp: 1255979
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: 111.537 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103827.D

Acq: 21 Mar 2018 3:24

Instrument :

BNA_F

ClientSampleId :

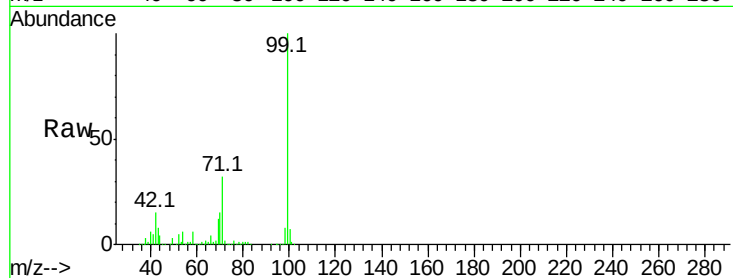
Tot Ion: 99 Resp: 1549245

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

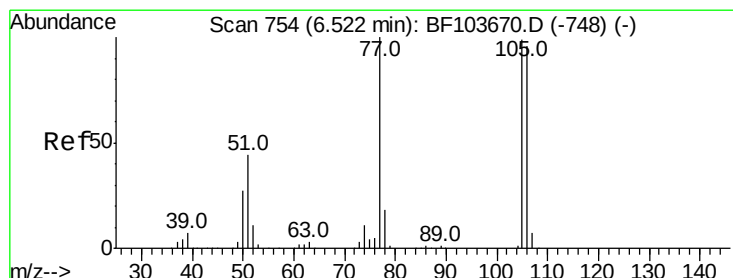
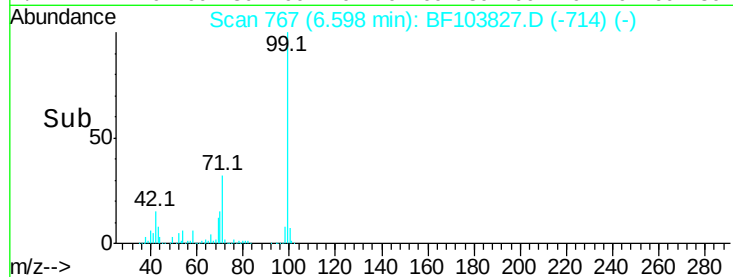
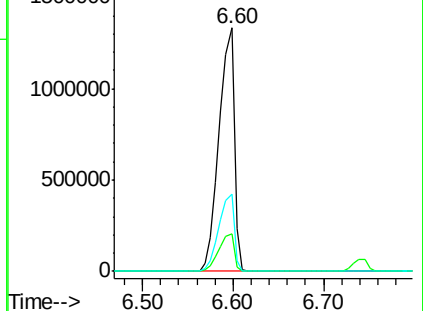
71 31.9 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.893 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103827.D

Acq: 21 Mar 2018 3:24

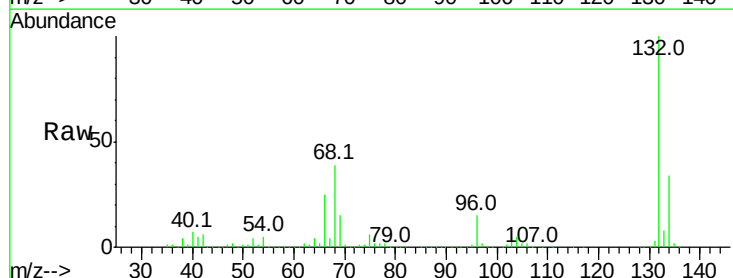
Tgt Ion: 77 Resp: 26397

Ion Ratio Lower Upper

77 100

105 83.4 81.1 121.1

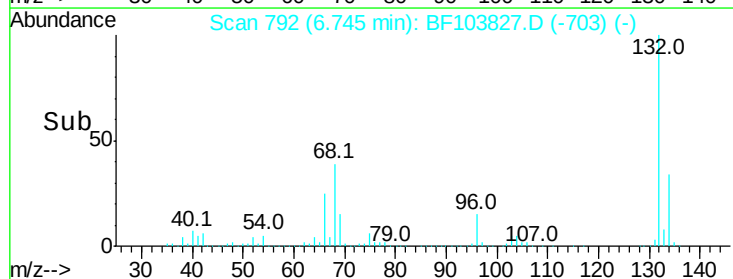
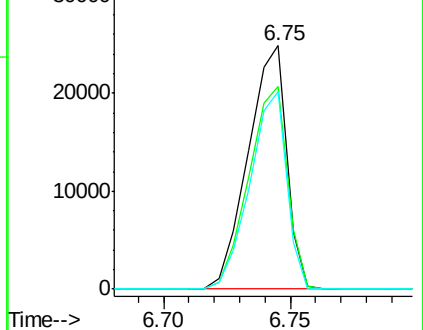
106 81.0 74.5 114.5

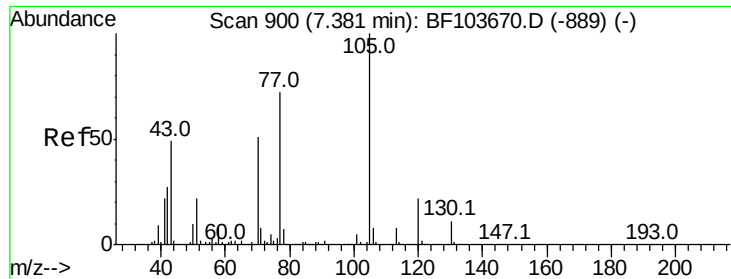


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

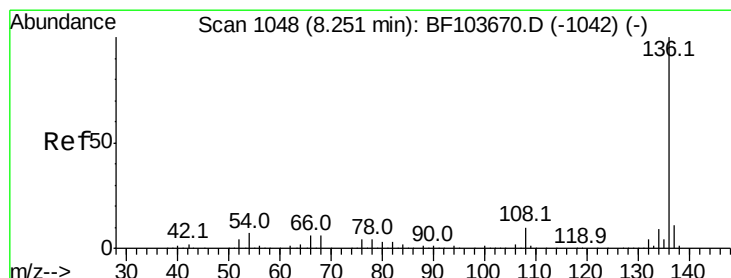
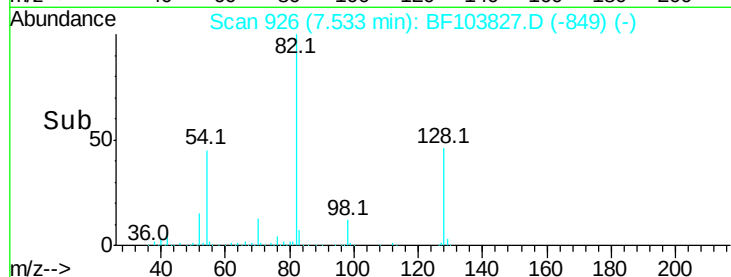
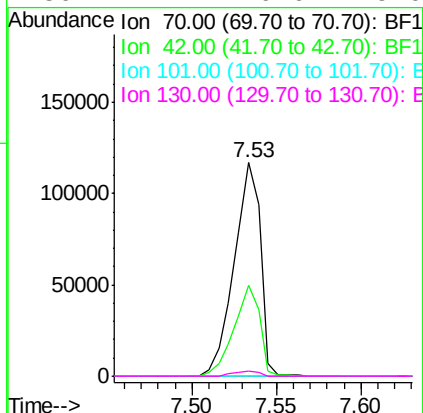
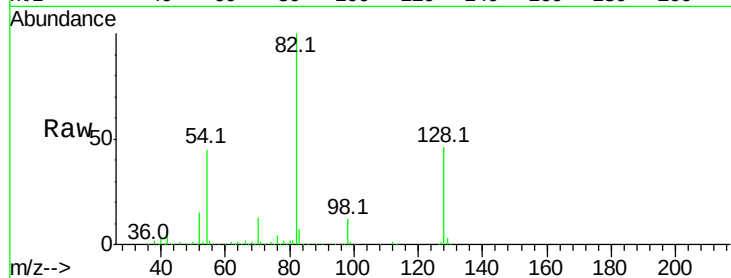




#19
n-Nitroso-di-n-propylamine
Concen: 14.194 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

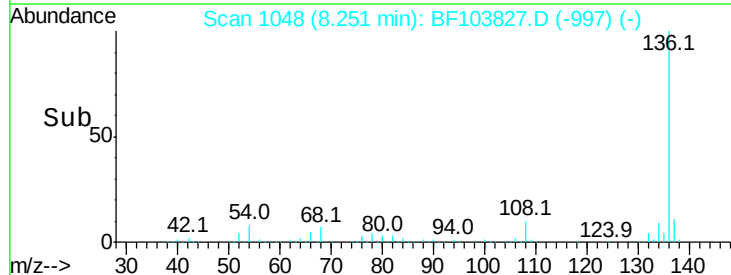
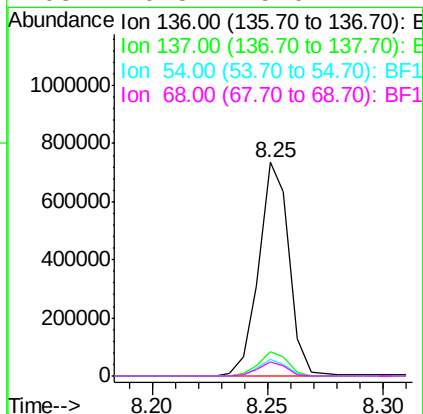
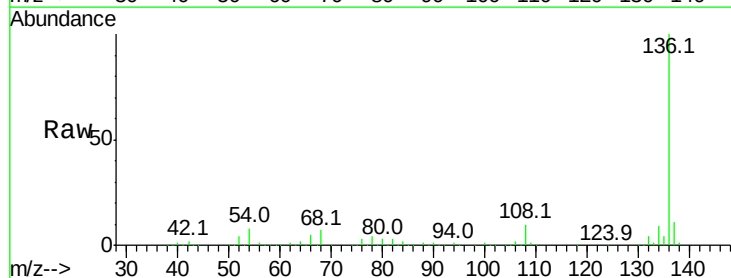
Instrument :
BNA_F
ClientSampleId :

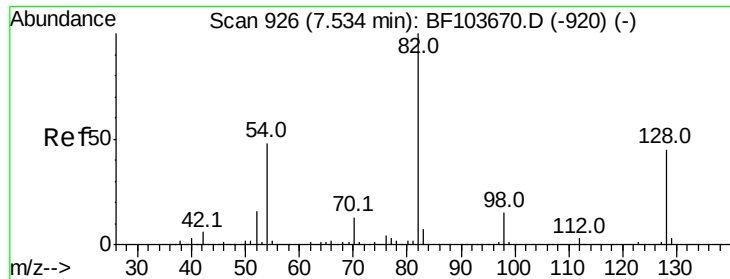
Tot Ion: 70 Resp: 126353
Ion Ratio Lower Upper
70 100
42 42.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

Tgt Ion:136 Resp: 674497
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.6 6.6 9.8
68 6.8 5.0 7.4

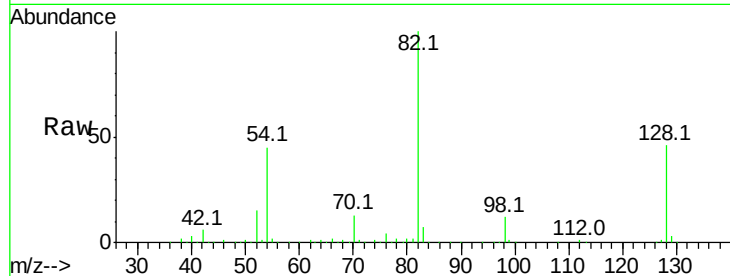




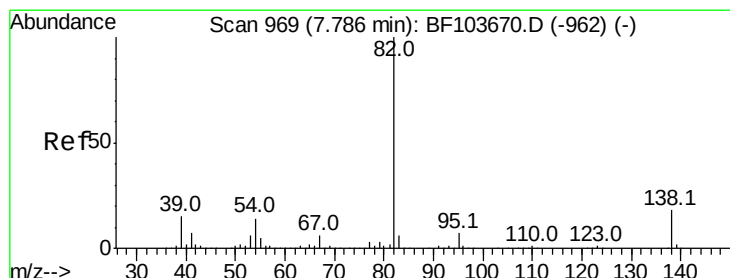
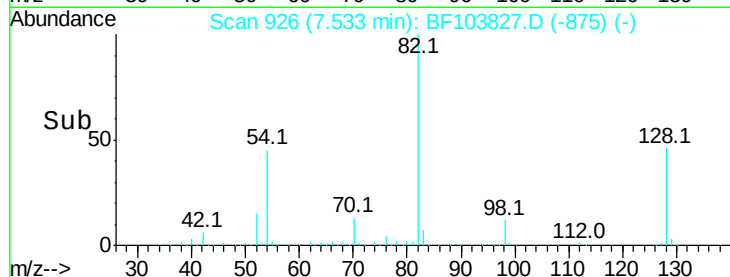
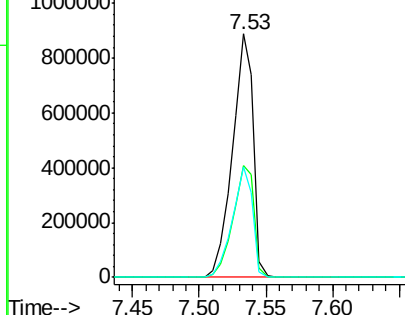
#23
 Nitrobenzene-d5
 Concen: 100.500 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF103827.D
 Acq: 21 Mar 2018 3:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 972052
 Ion Ratio Lower Upper
 82 100
 128 46.0 36.1 54.1
 54 45.2 41.4 62.2

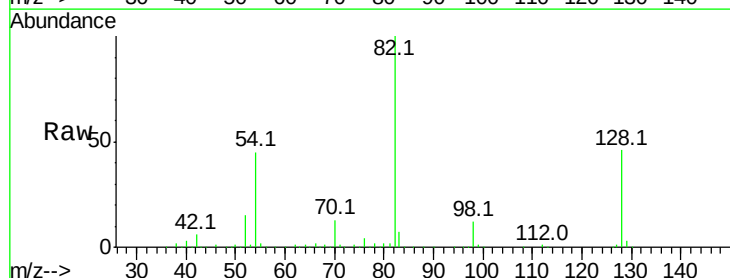


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

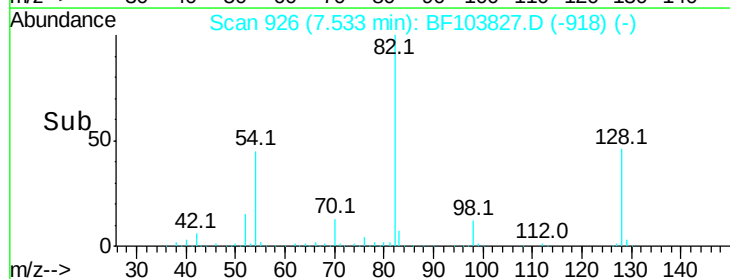
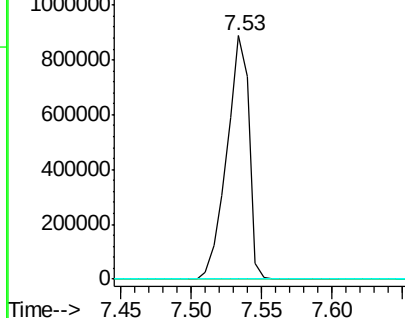


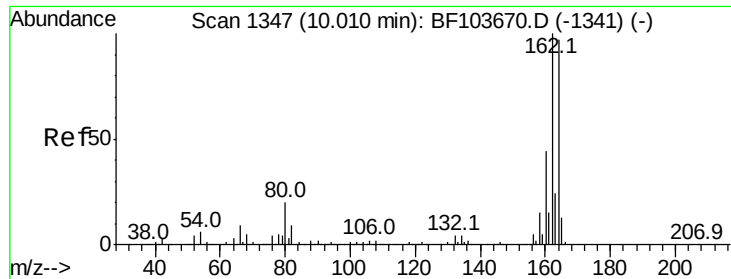
#25
 Isophorone
 Concen: 43.413 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.25 min
 Lab File: BF103827.D
 Acq: 21 Mar 2018 3:24

Tgt Ion: 82 Resp: 972044
 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

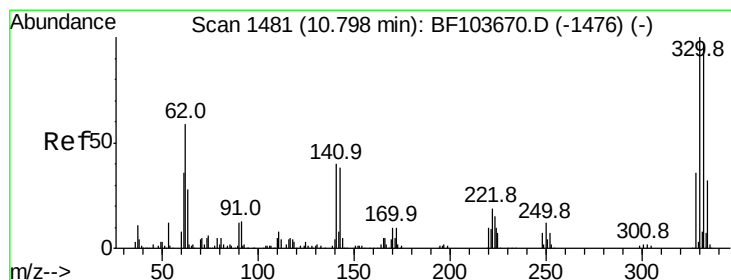
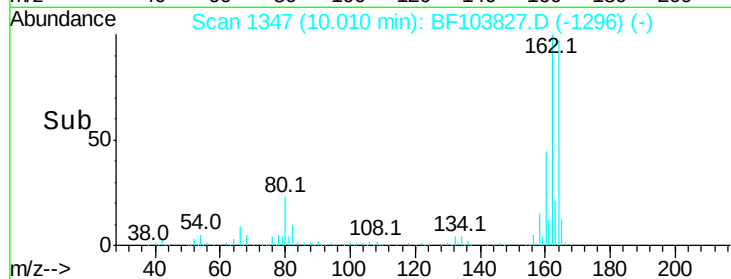
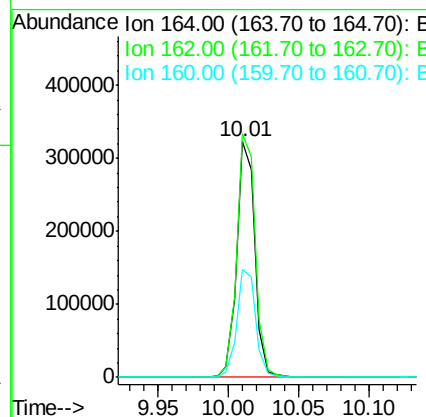
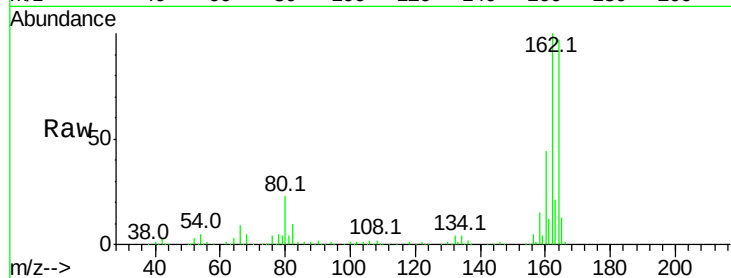




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

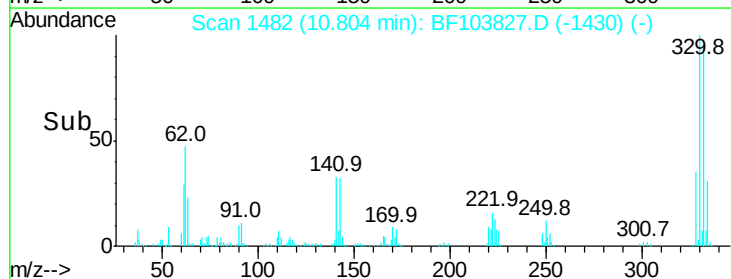
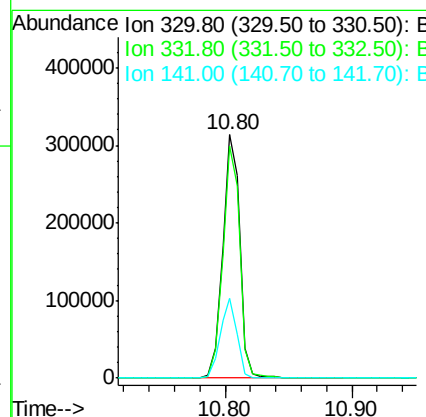
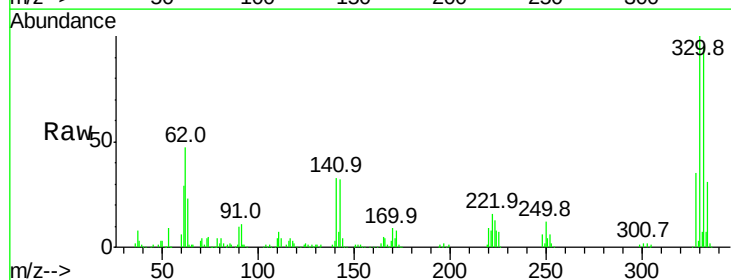
Instrument :
BNA_F
ClientSampleId :

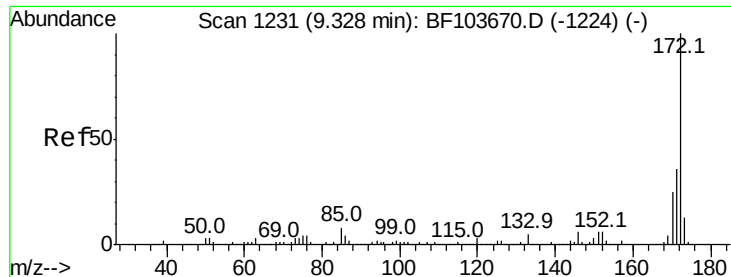
Tot Ion:164 Resp: 286935
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 45.7 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 120.657 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

Tgt Ion:330 Resp: 297670
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.6
141 32.4 29.9 44.9



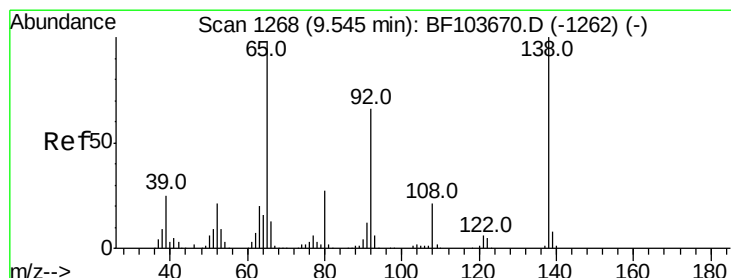
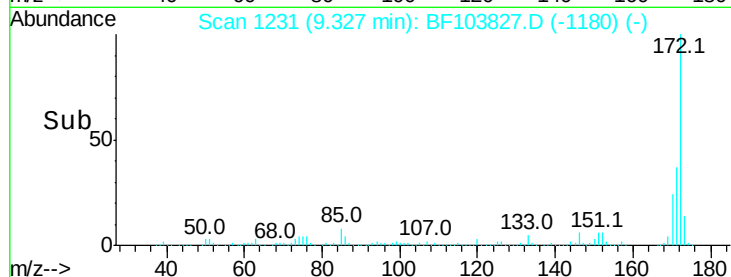
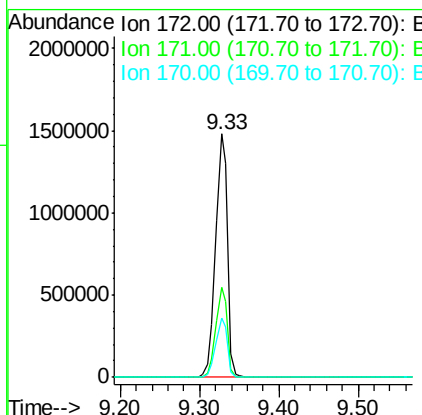
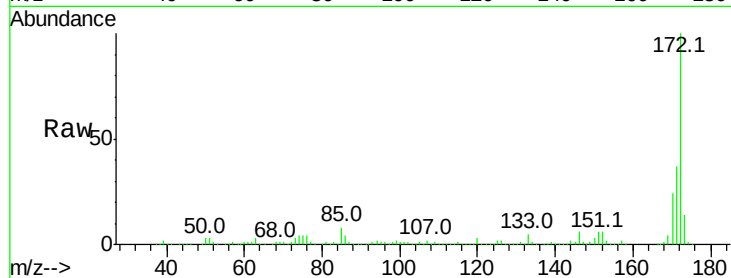


#44
 2-Fluorobiphenyl
 Concen: 85.270 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103827.D
 Acq: 21 Mar 2018 3:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1533827

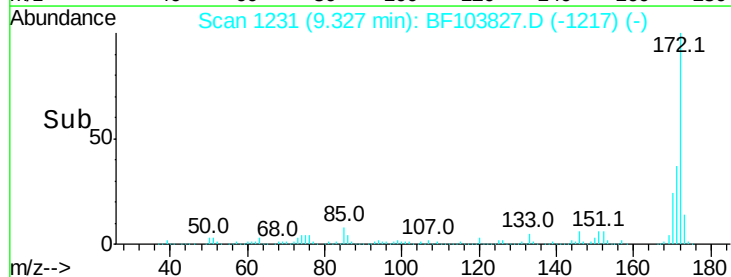
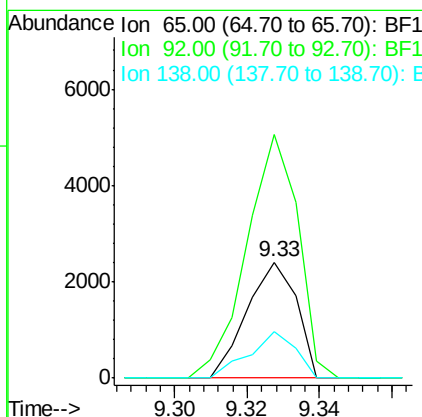
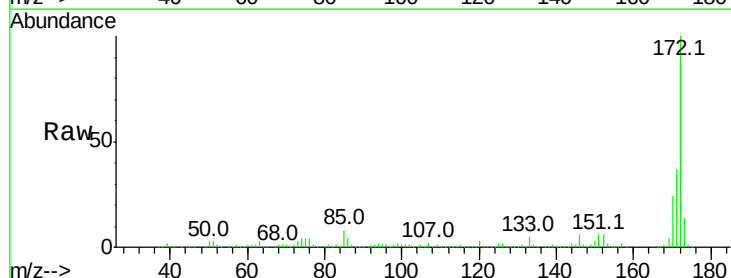
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.3	19.6	29.4

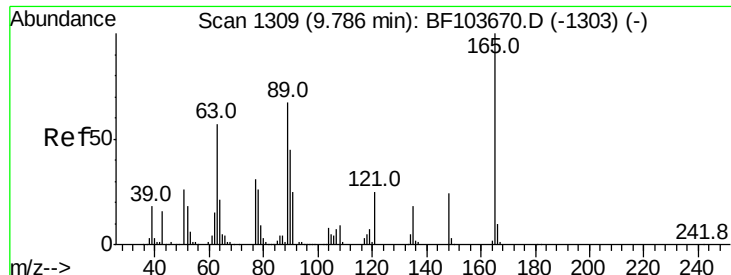


#47
 2-Nitroaniline
 Concen: 7.208 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.22 min
 Lab File: BF103827.D
 Acq: 21 Mar 2018 3:24

Tgt Ion: 65 Resp: 2282

Ion	Ratio	Lower	Upper
65	100		
92	209.9	55.8	83.6#
138	40.1	91.2	136.8#

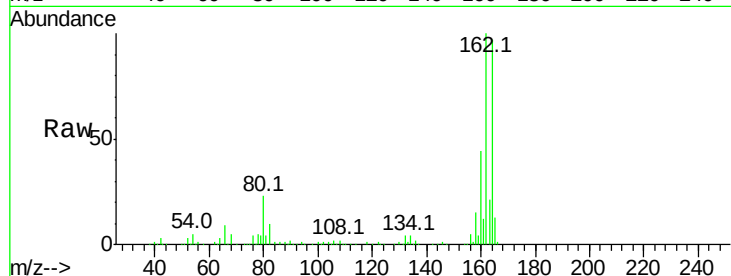




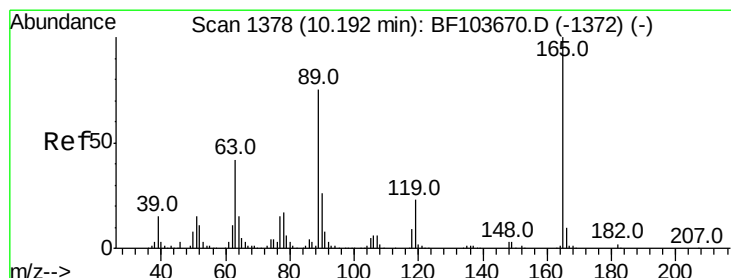
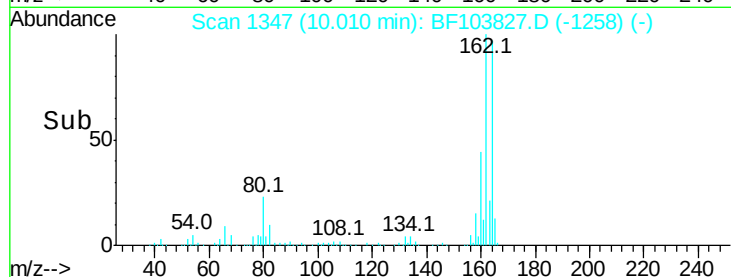
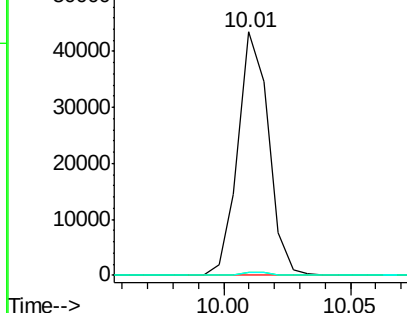
#50
2,6-Dinitrotoluene
Concen: 11.912 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.22 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.2	44.0	66.0#



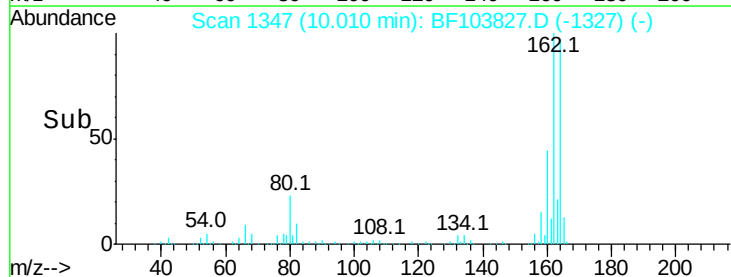
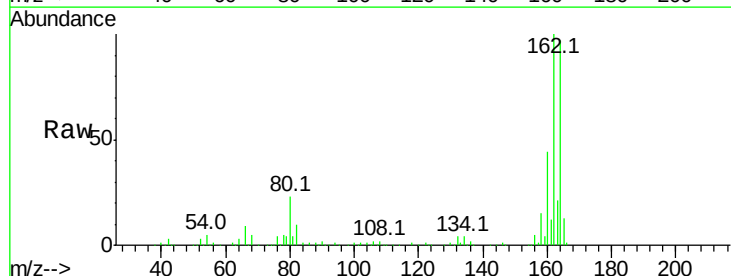
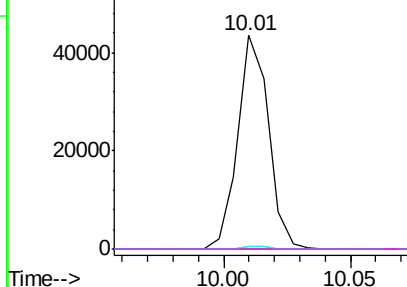
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

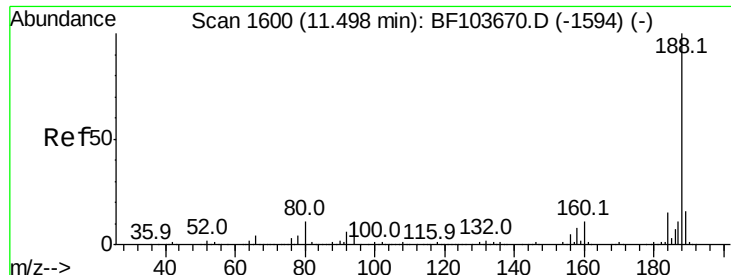


#56
2,4-Dinitrotoluene
Concen: 12.155 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.2	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

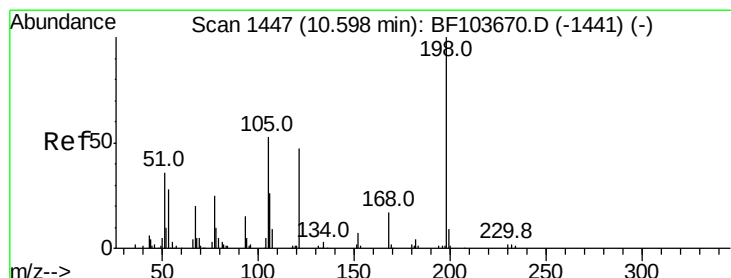
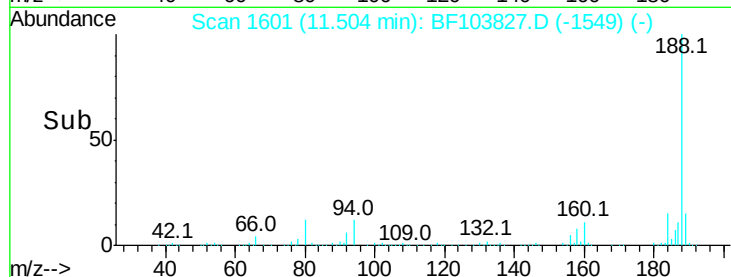
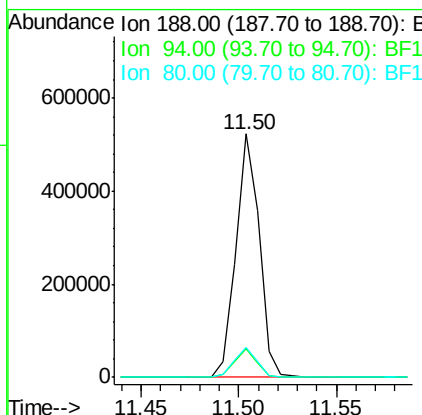
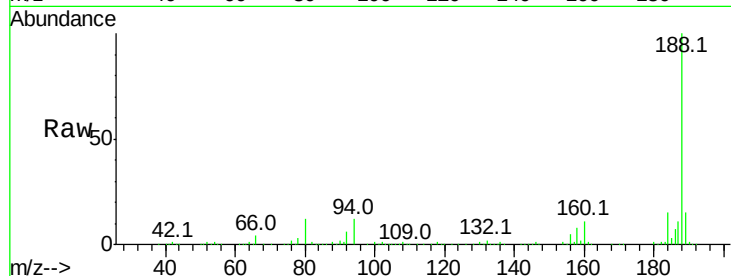




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

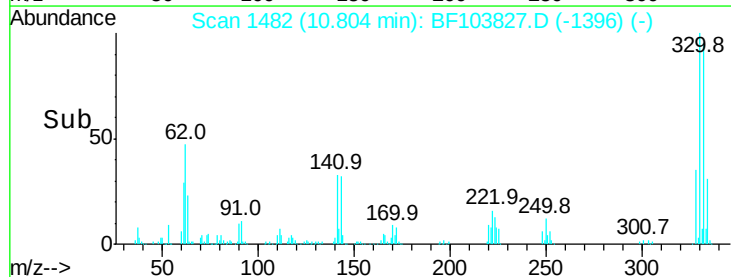
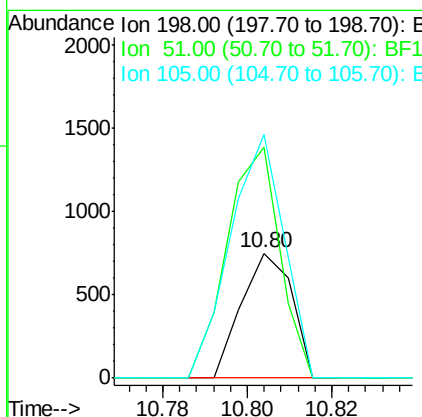
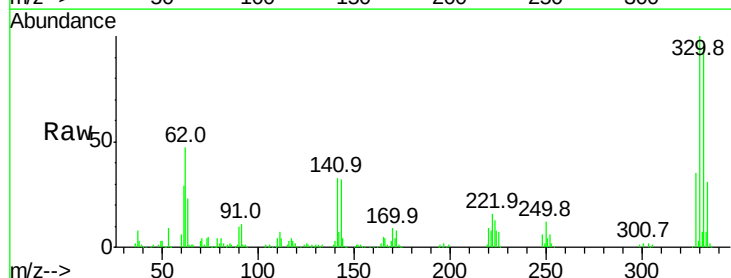
Instrument :
BNA_F
ClientSampleId :

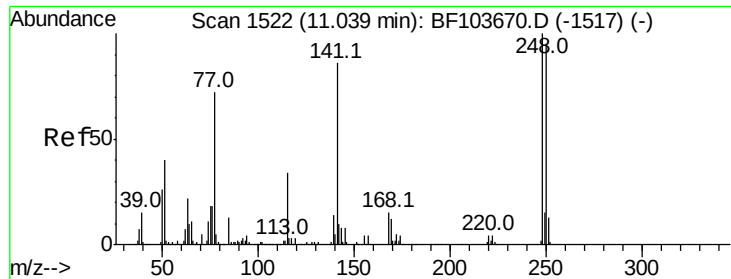
Tot Ion:188 Resp: 433760
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.546 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.21 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

Tgt Ion:198 Resp: 622
Ion Ratio Lower Upper
198 100
51 184.7 37.7 77.7#
105 194.8 36.3 76.3#

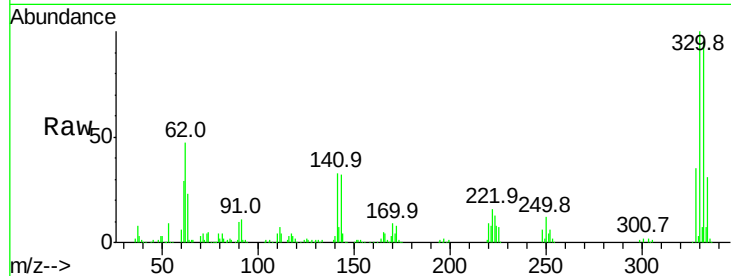




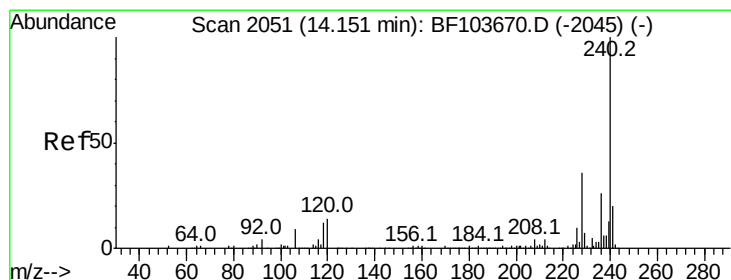
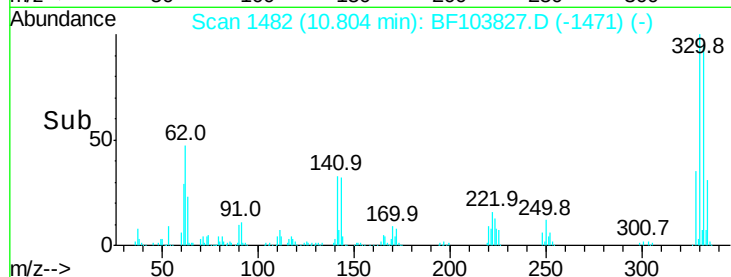
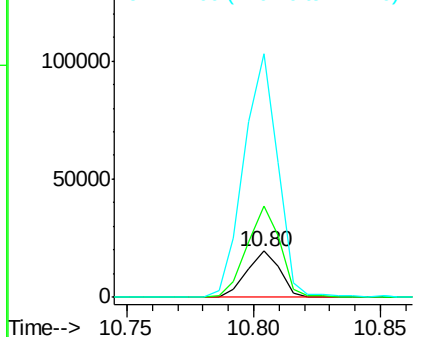
#66
4-Bromophenyl-phenylether
Concen: 4.023 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17916
Ion Ratio Lower Upper
248 100
250 198.0 76.9 115.3#
141 528.6 74.4 111.6#

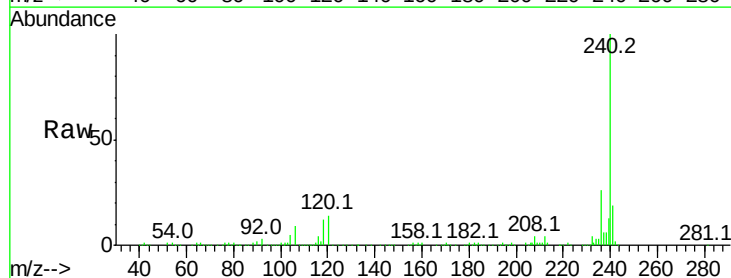


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

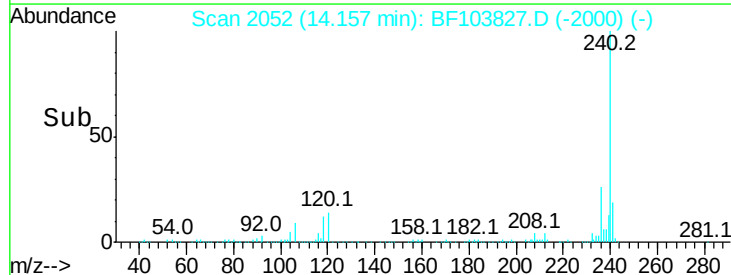
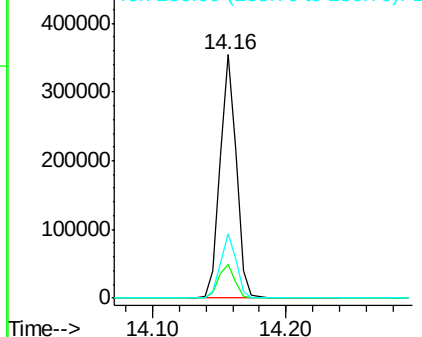


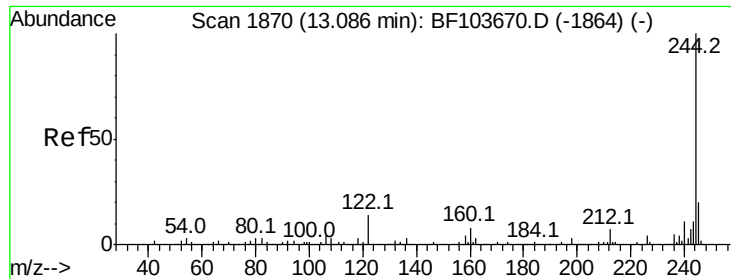
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103827.D
Acq: 21 Mar 2018 3:24

Tgt Ion:240 Resp: 307484
Ion Ratio Lower Upper
240 100
120 13.9 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: 86.265 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103827.D

Acq: 21 Mar 2018 3:24

Instrument :

BNA_F

ClientSampleId :

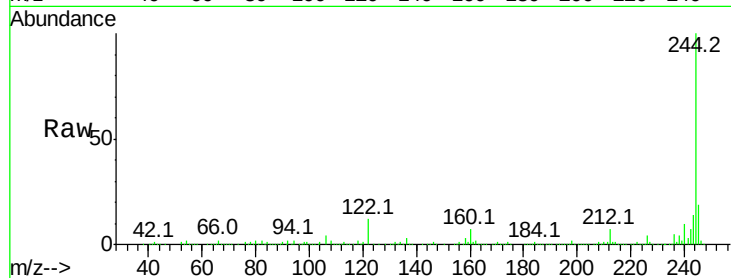
Tot Ion:244 Resp: 1142755

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

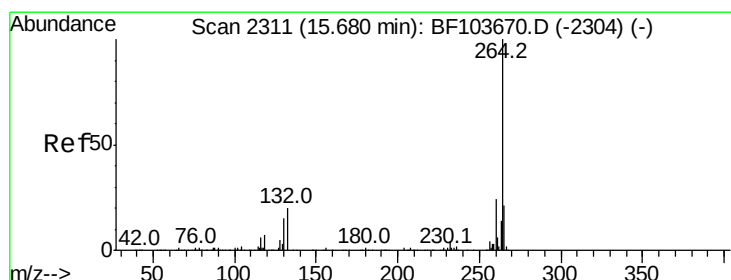
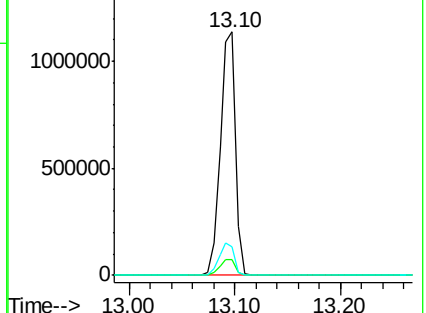
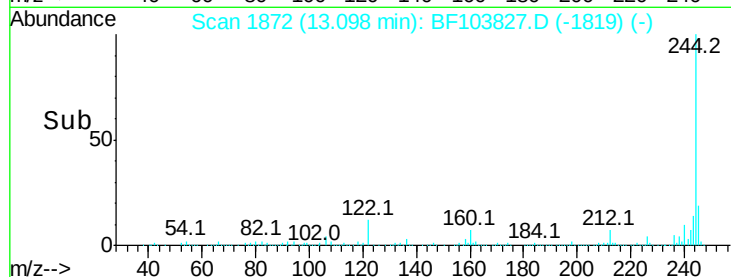
122 11.5 11.0 16.4



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: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103827.D

Acq: 21 Mar 2018 3:24

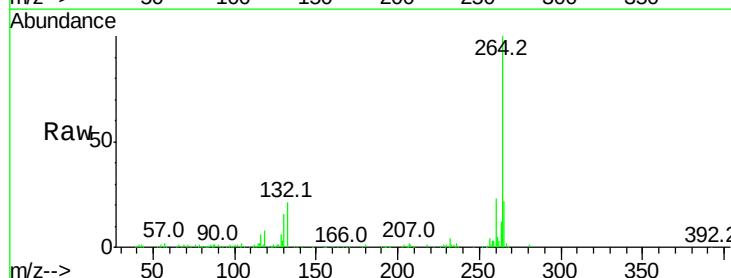
Tgt Ion:264 Resp: 261002

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 22.2 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

