

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102820.D
 Acq On : 7 Feb 2018 18:04
 Operator : SJ/JU
 Sample : PB106347BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 02:18:26 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

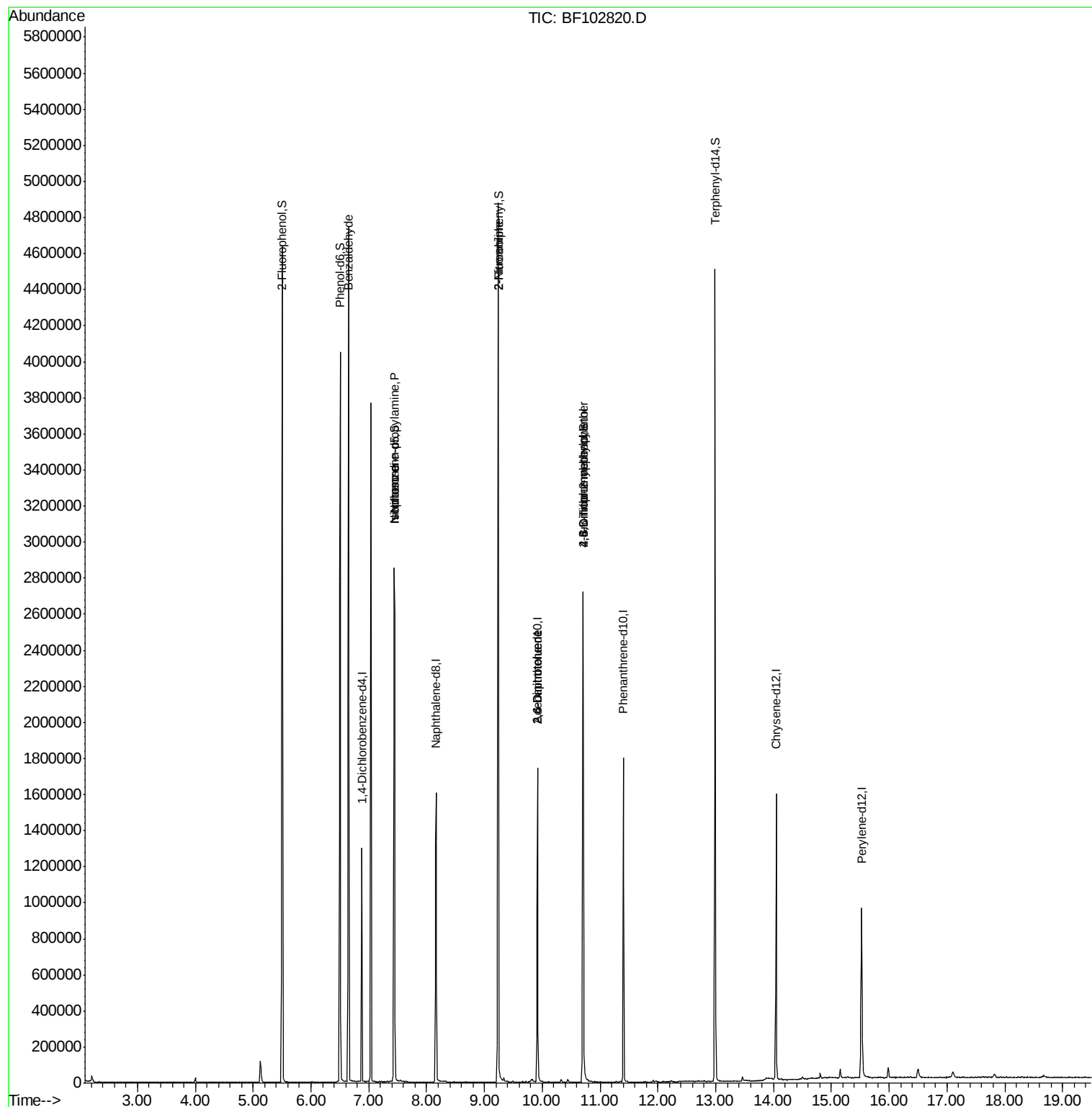
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	178582	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	751650	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	346376	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	619648	20.00	ng	0.00
75) Chrysene-d12	14.04	240	514152	20.00	ng	0.00
86) Perylene-d12	15.52	264	447657	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1387239	117.97	ng	0.01
7) Phenol-d6	6.51	99	1619970	114.41	ng	0.00
23) Nitrobenzene-d5	7.44	82	1047289	96.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	365220	131.00	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1745501	83.62	ng	0.00
78) Terphenyl-d14	12.99	244	1690201	77.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.65	77	30491	2.90	ng	Qvalue 80
19) n-Nitroso-di-n-propylamine	7.44	70	139921	14.99	ng	# 80
25) Isophorone	7.44	82	1045245	41.89	ng	# 64
47) 2-Nitroaniline	9.24	65	3214	3.89	ng	# 3
50) 2,6-Dinitrotoluene	9.92	165	43136	8.40	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	43136	8.93	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	723	9.05	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	24011	3.66	ng	# 1

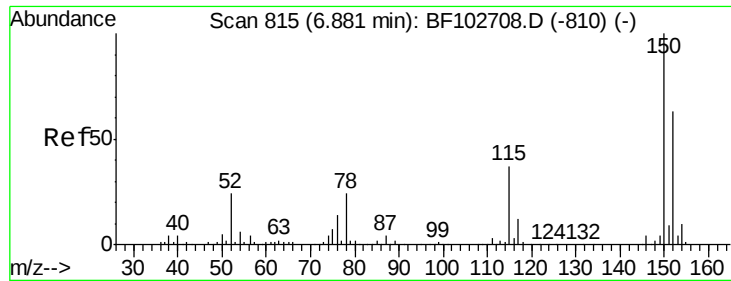
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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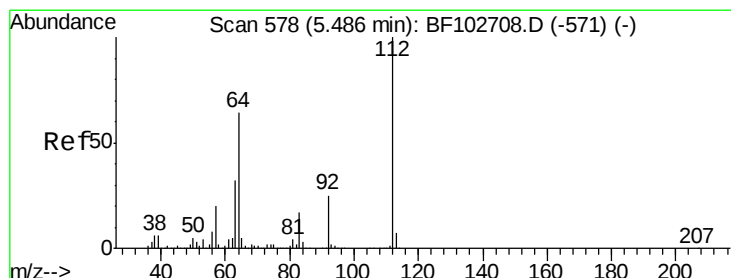
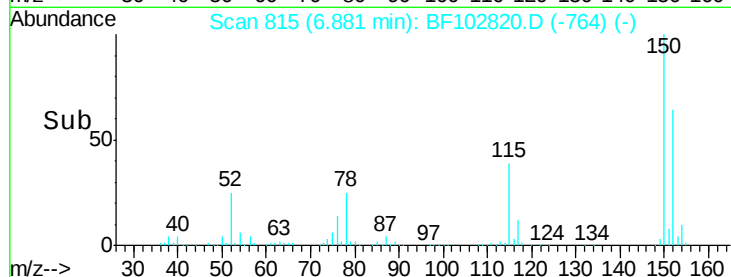
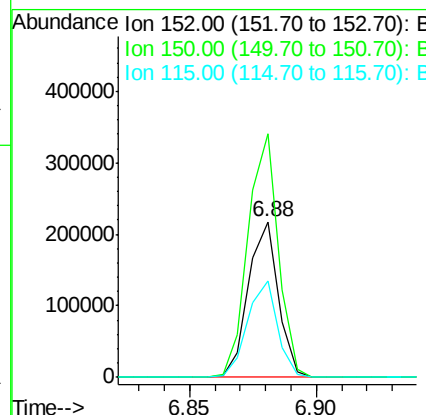
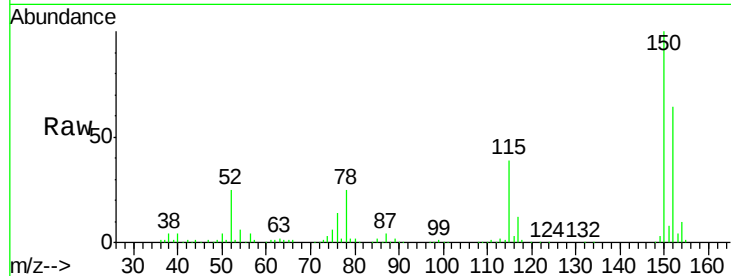


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102820.D
Acq: 7 Feb 2018 18:04

Instrument :
BNA_F
ClientSampleId :

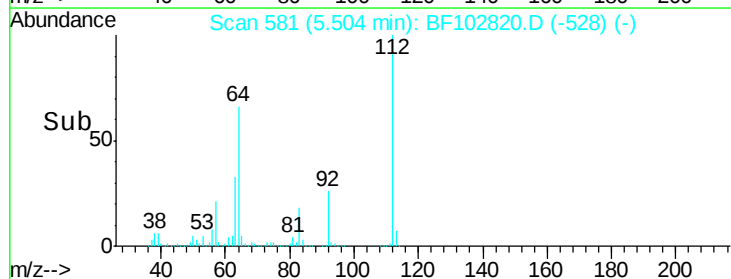
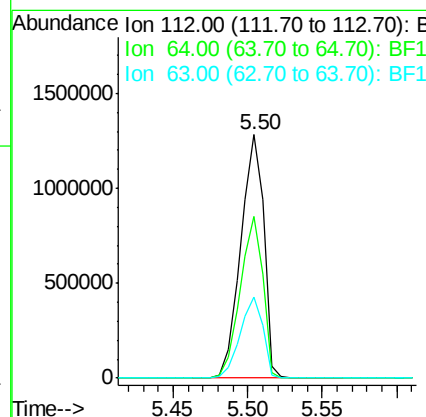
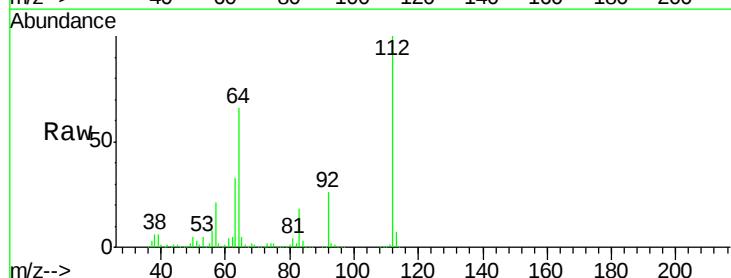
Tot Ion:152 Resp: 178582
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 61.7 50.1 75.1



#5

2-Fluorophenol
Concen: 117.97 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102820.D
Acq: 7 Feb 2018 18:04

Tgt Ion:112 Resp: 1387239
Ion Ratio Lower Upper
112 100
64 66.3 47.9 71.9
63 33.5 23.7 35.5





#7

Phenol-d6

Concen: 114.41 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102820.D

Acq: 7 Feb 2018 18:04

Instrument :

BNA_F

ClientSampleId :

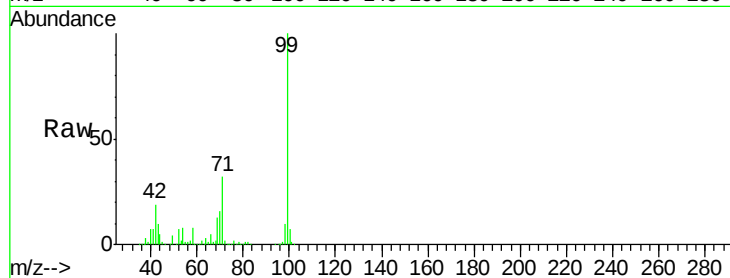
Tot Ion: 99 Resp: 1619970

Ion Ratio Lower Upper

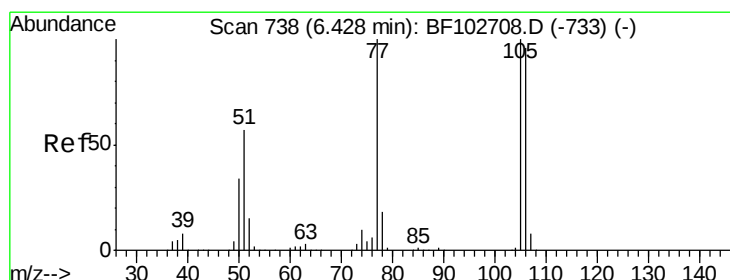
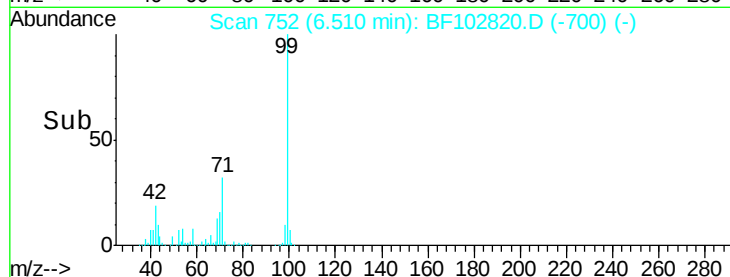
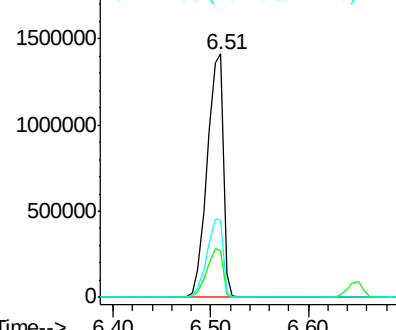
99 100

42 18.8 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: 2.90 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF102820.D

Acq: 7 Feb 2018 18:04

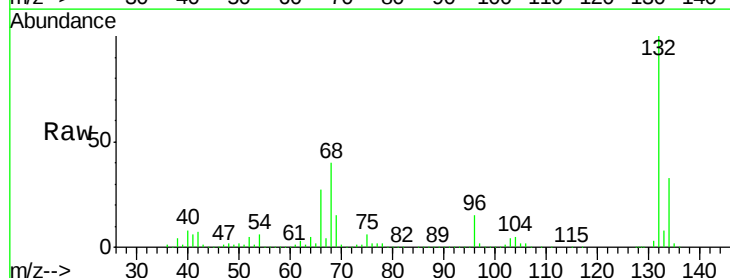
Tgt Ion: 77 Resp: 30491

Ion Ratio Lower Upper

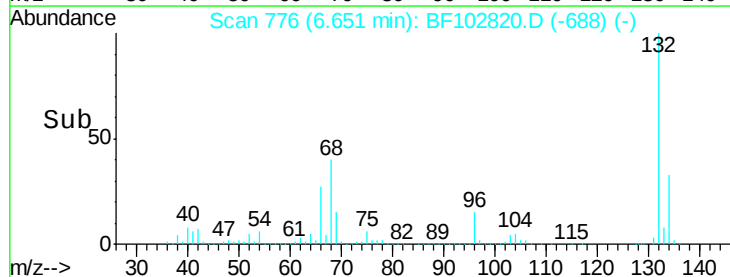
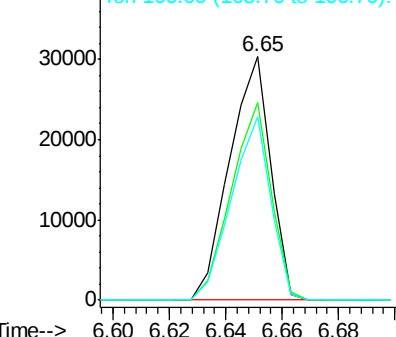
77 100

105 81.1 81.1 121.1

106 75.4 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

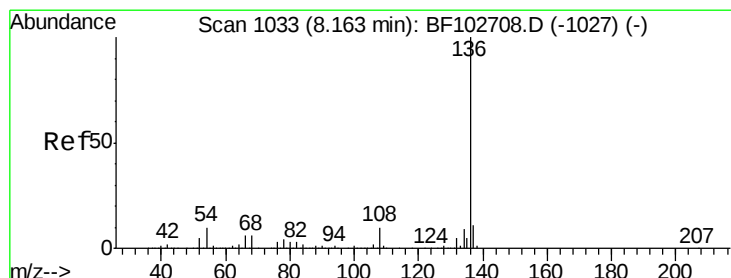
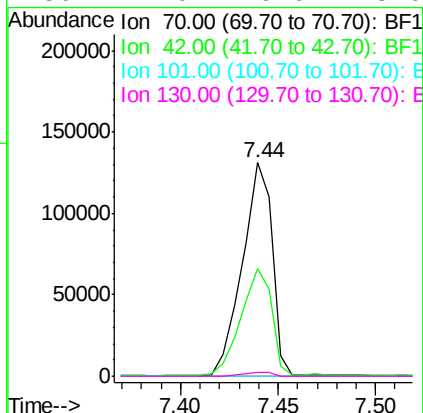
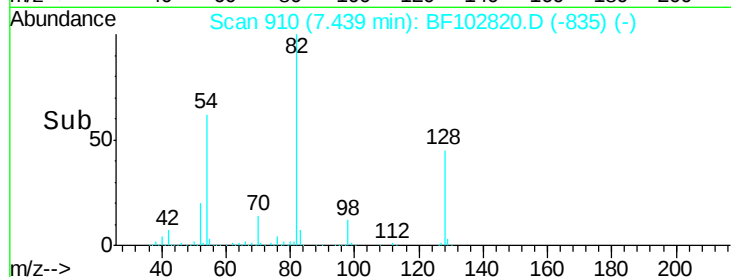
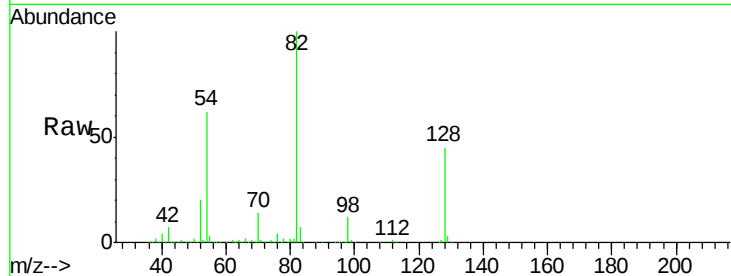




#19
n-Nitroso-di-n-propylamine
Concen: 14.99 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF102820.D
Acq: 7 Feb 2018 18:04

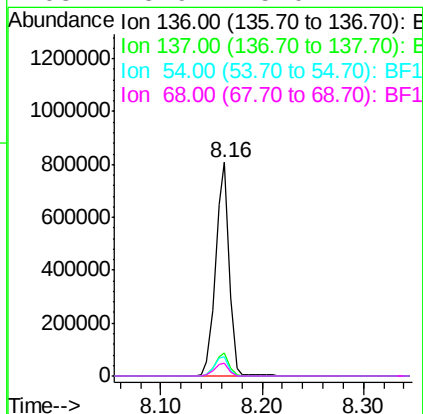
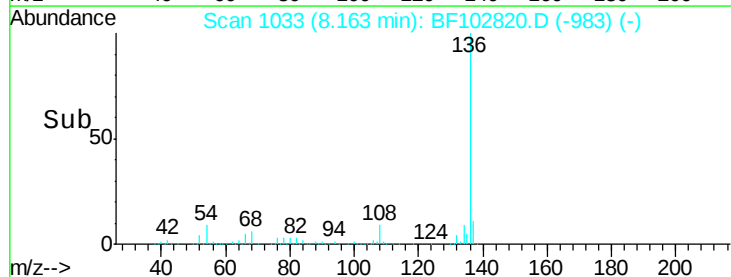
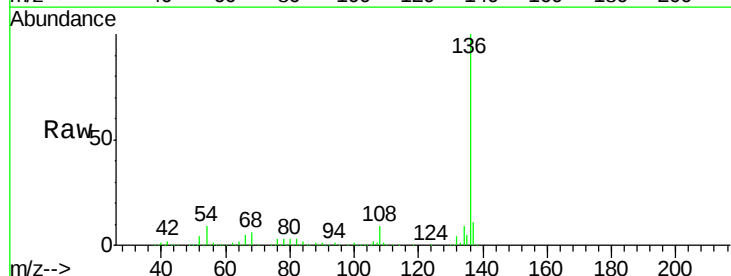
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 139921
Ion Ratio Lower Upper
70 100
42 50.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102820.D
Acq: 7 Feb 2018 18:04

Tgt Ion:136 Resp: 751650
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.1 6.6 9.8
68 5.9 5.0 7.4

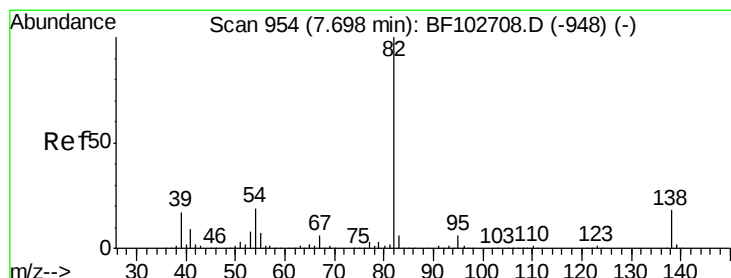
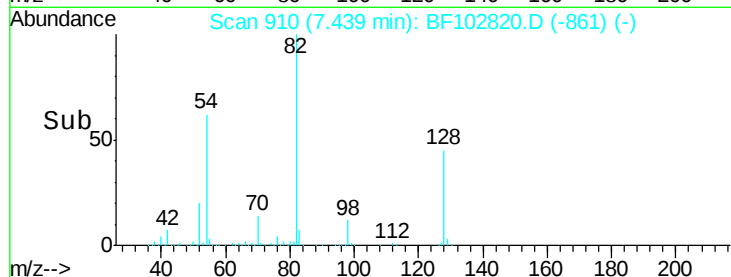
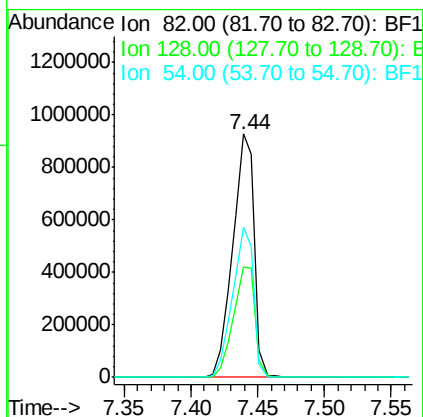
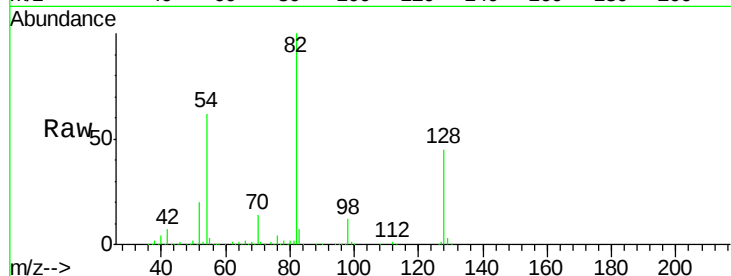




#23
 Nitrobenzene-d5
 Concen: 96.66 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF102820.D
 Acq: 7 Feb 2018 18:04

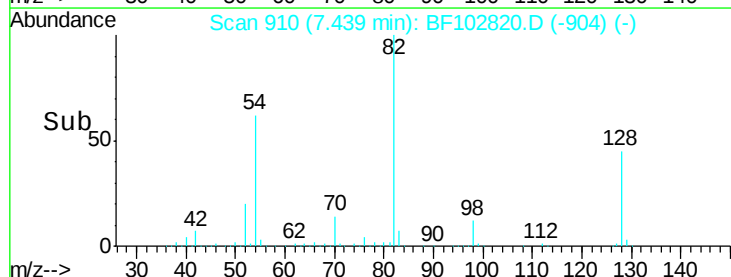
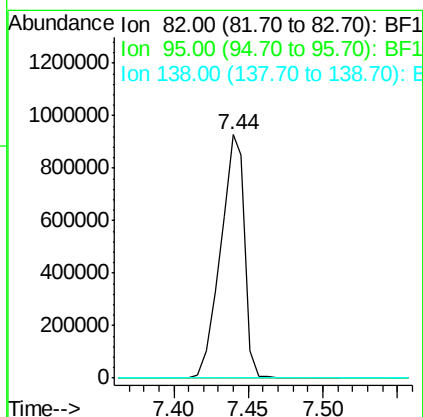
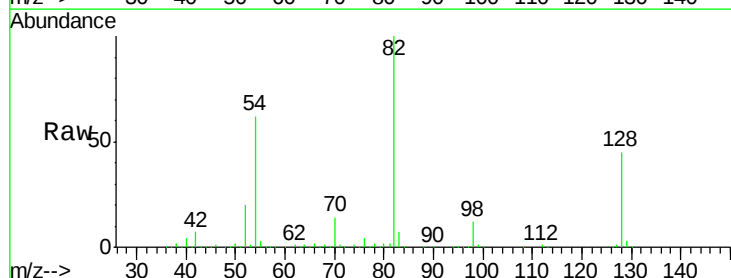
Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 1047289
 Ion Ratio Lower Upper
 82 100
 128 45.3 36.1 54.1
 54 61.6 41.4 62.2



#25
 Isophorone
 Concen: 41.89 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF102820.D
 Acq: 7 Feb 2018 18:04

Tgt Ion: 82 Resp: 1045245
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

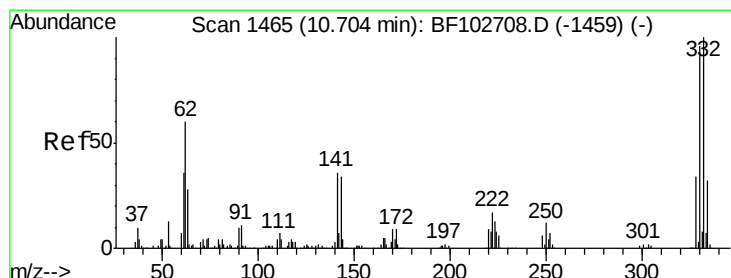
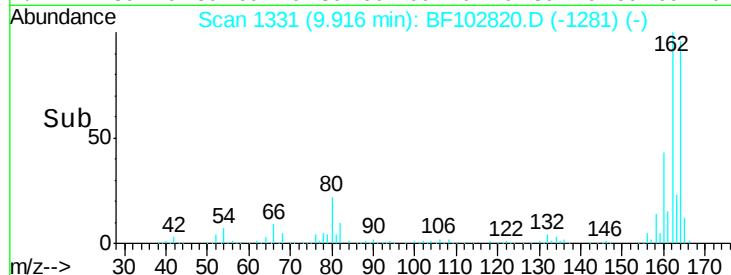
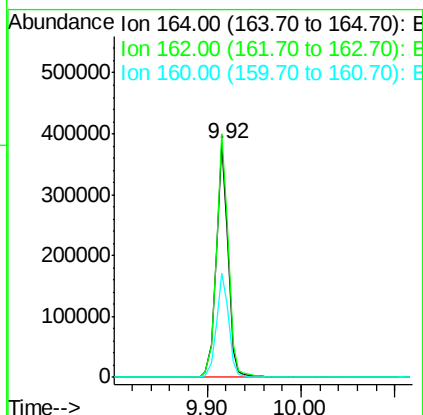
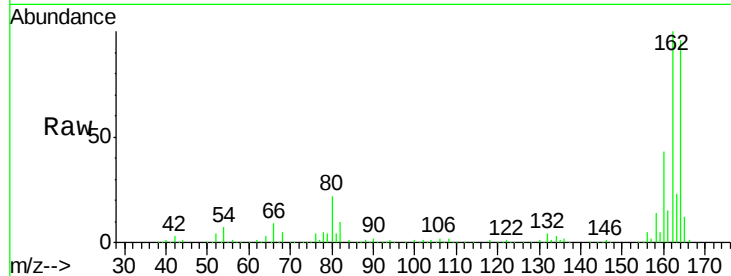




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102820.D
Acq: 7 Feb 2018 18:04

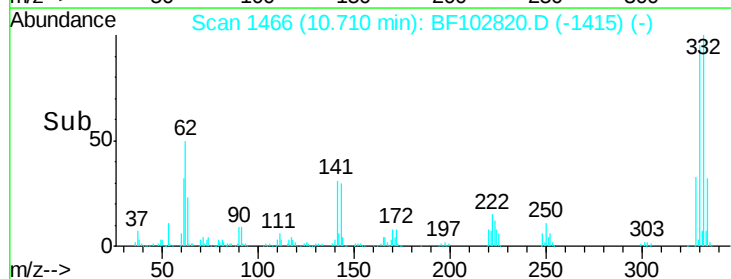
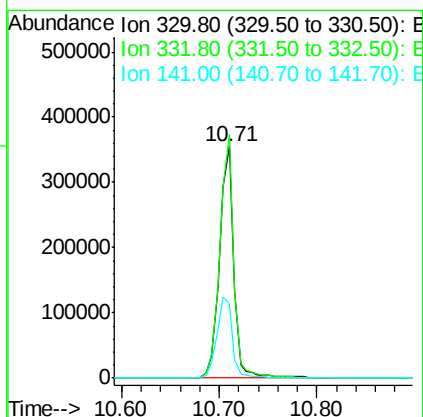
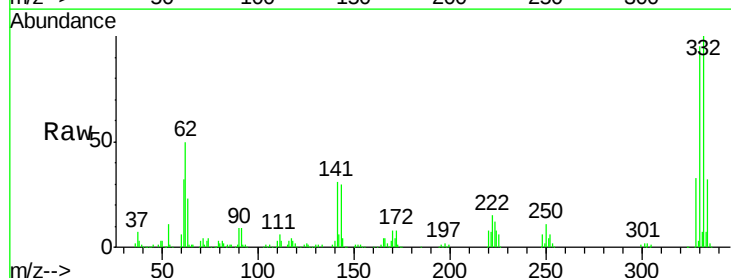
Instrument :
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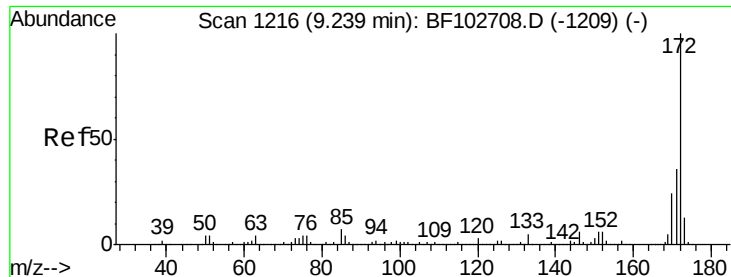
Tot Ion:164 Resp: 346376
Ion Ratio Lower Upper
164 100
162 104.2 86.1 129.1
160 44.7 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 131.00 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BF102820.D
Acq: 7 Feb 2018 18:04

Tgt Ion:330 Resp: 365220
Ion Ratio Lower Upper
330 100
332 102.8 77.0 115.6
141 38.3 29.9 44.9

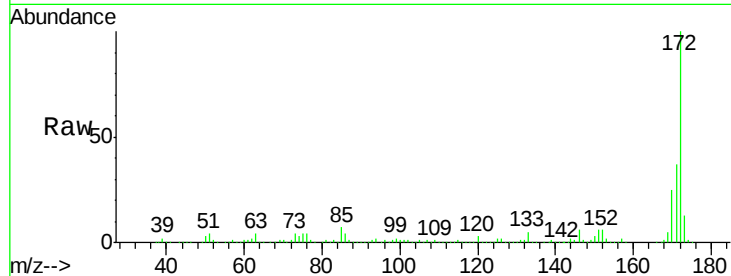




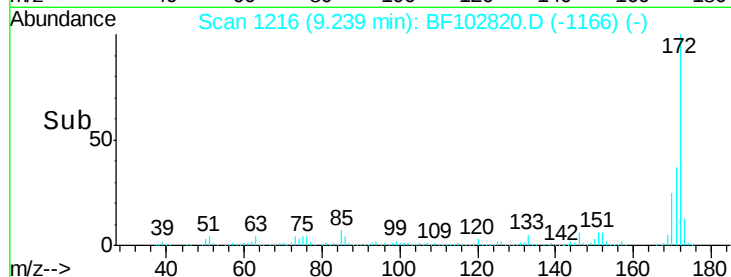
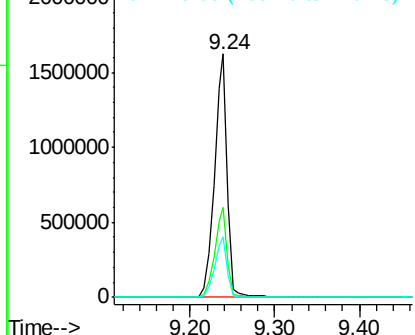
#44
 2-Fluorobiphenyl
 Concen: 83.62 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102820.D
 Acq: 7 Feb 2018 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1745501
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.7 19.6 29.4

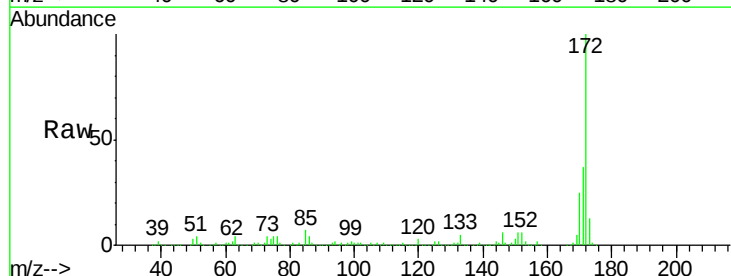


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

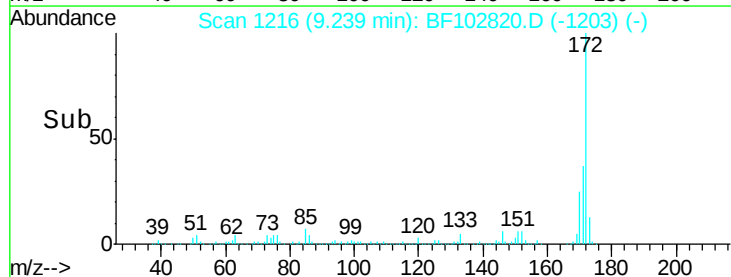
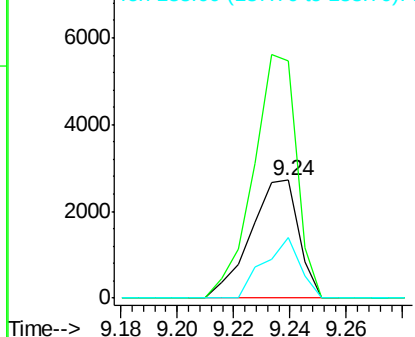


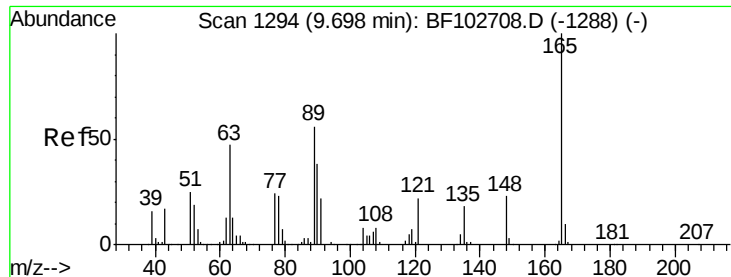
#47
 2-Nitroaniline
 Concen: 3.89 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.22 min
 Lab File: BF102820.D
 Acq: 7 Feb 2018 18:04

Tgt Ion: 65 Resp: 3214
 Ion Ratio Lower Upper
 65 100
 92 201.3 55.8 83.6#
 138 51.5 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

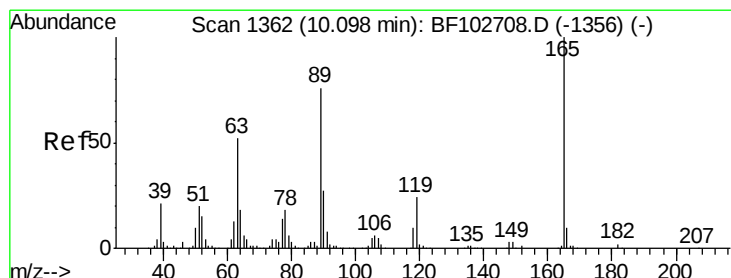
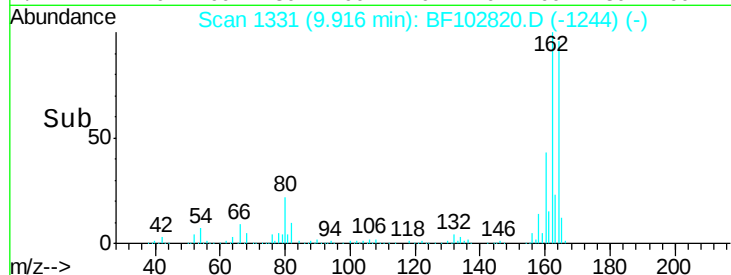
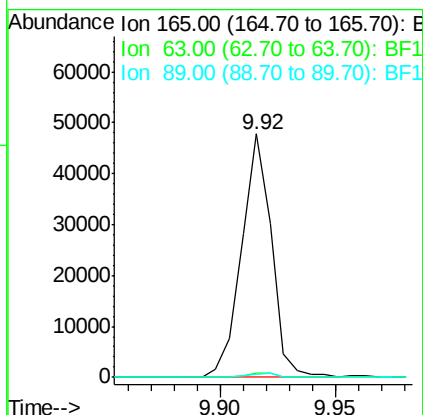
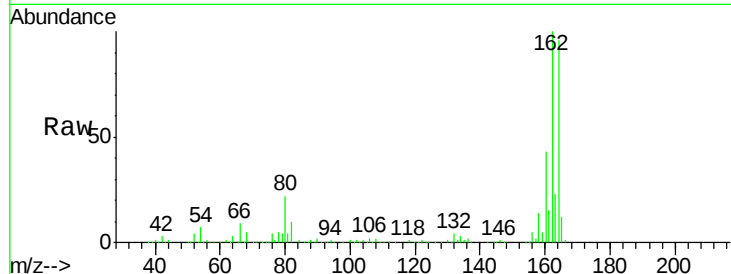




#50
 2,6-Dinitrotoluene
 Concen: 8.40 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF102820.D
 Acq: 7 Feb 2018 18:04

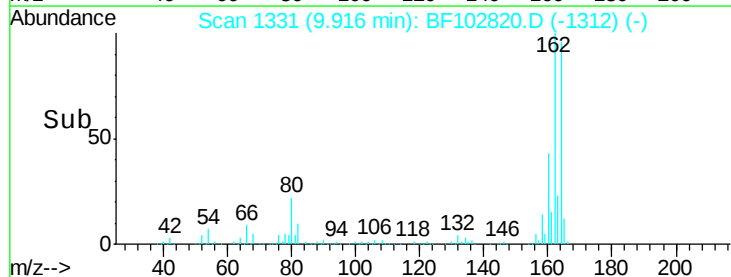
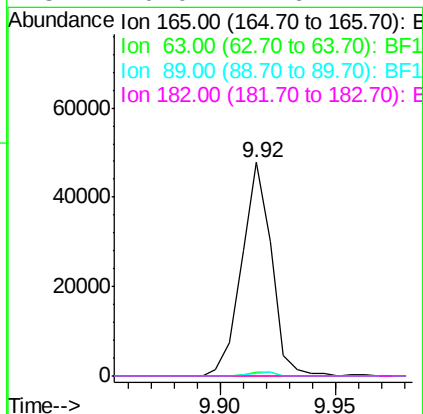
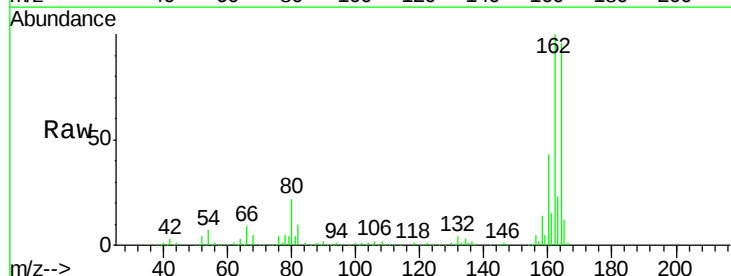
Instrument :
 BNA_F
 ClientSampleId :

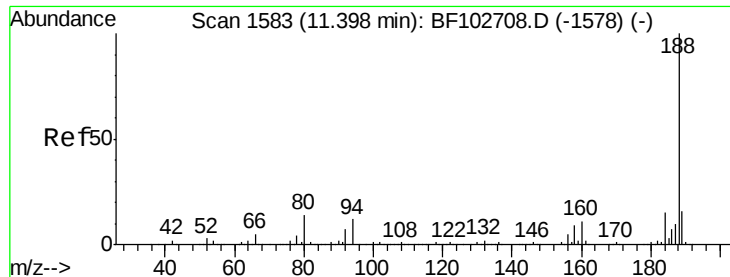
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 8.93 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF102820.D
 Acq: 7 Feb 2018 18:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

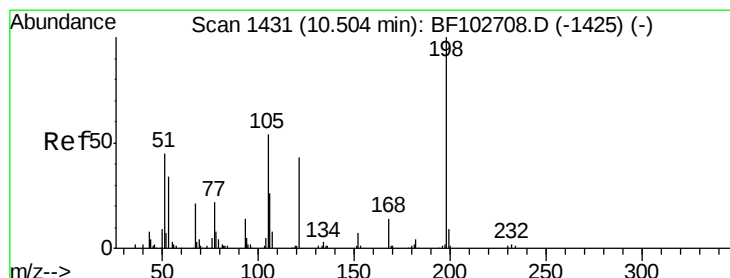
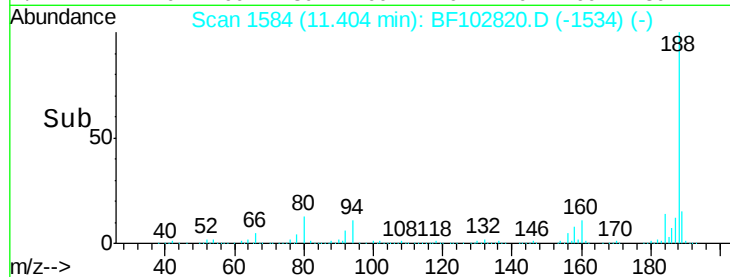
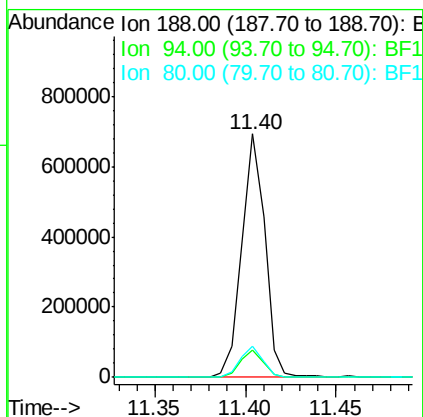
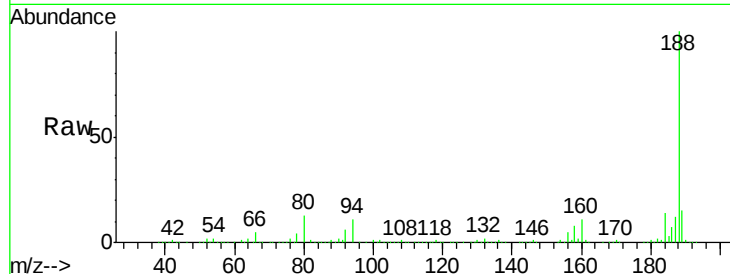




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102820.D
 Acq: 7 Feb 2018 18:04

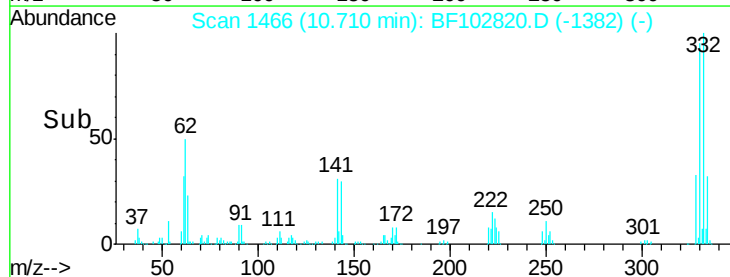
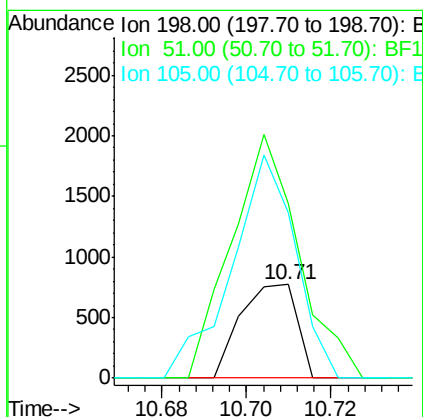
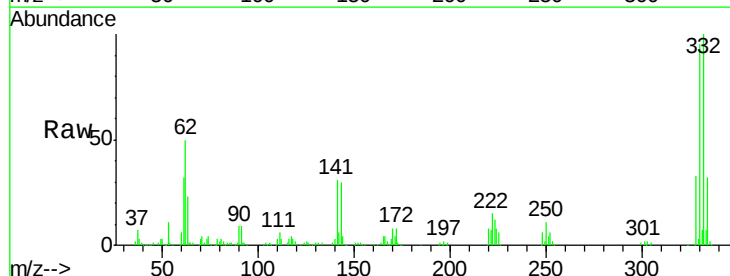
Instrument :
 BNA_F
 ClientSampleId :

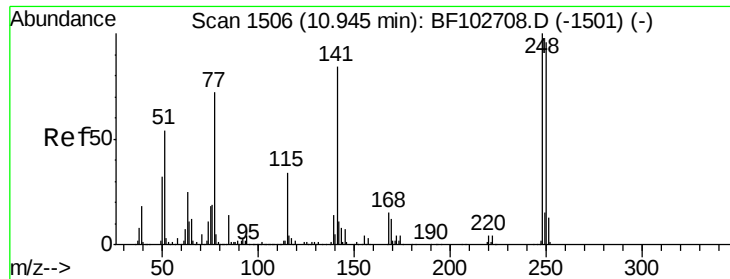
Tot Ion:188 Resp: 619648
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.05 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102820.D
 Acq: 7 Feb 2018 18:04

Tgt Ion:198 Resp: 723
 Ion Ratio Lower Upper
 198 100
 51 185.5 37.7 77.7#
 105 176.6 36.3 76.3#

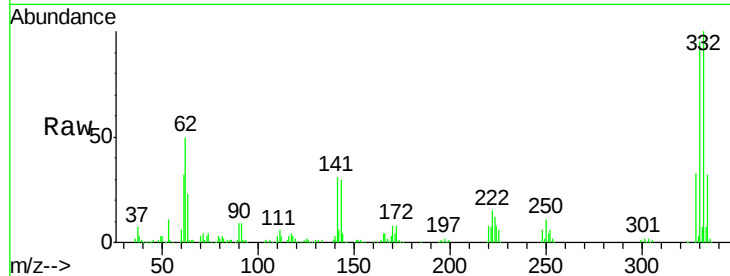




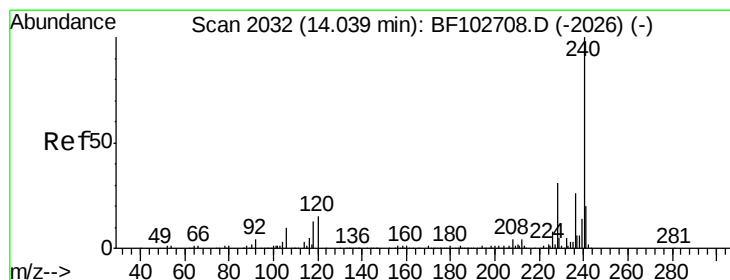
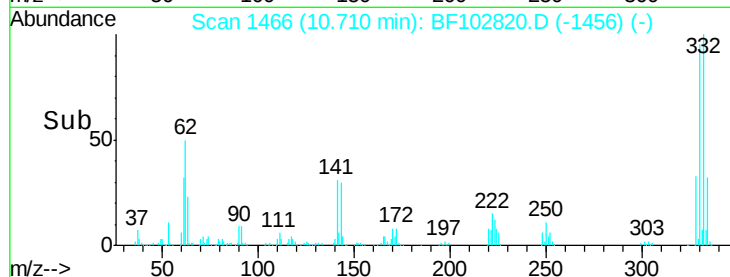
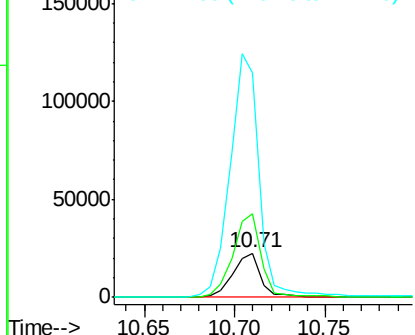
#66
4-Bromophenyl-phenylether
Concen: 3.66 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102820.D
Acq: 7 Feb 2018 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 24011
Ion Ratio Lower Upper
248 100
250 191.0 76.9 115.3#
141 509.3 74.4 111.6#

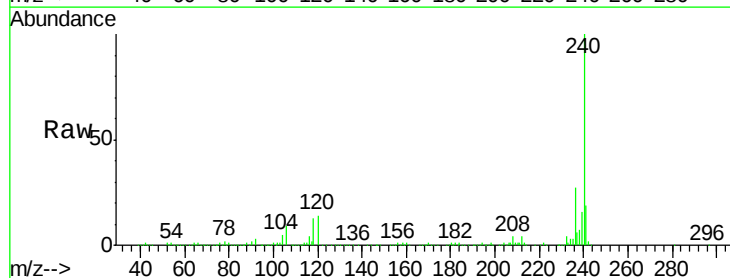


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

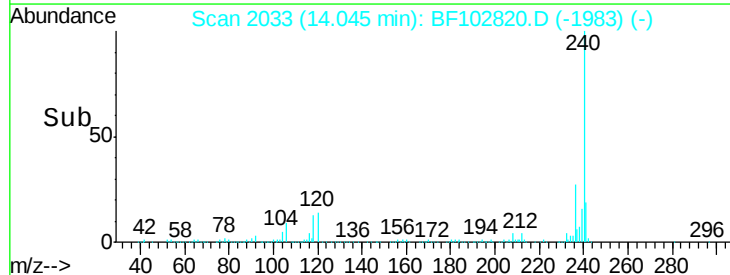
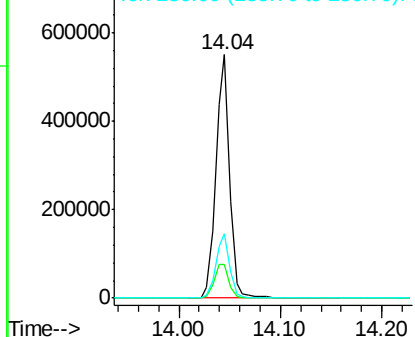


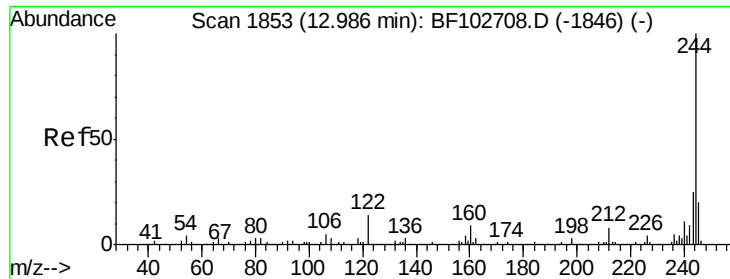
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF102820.D
Acq: 7 Feb 2018 18:04

Tgt Ion:240 Resp: 514152
Ion Ratio Lower Upper
240 100
120 14.1 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: 77.84 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102820.D

Acq: 7 Feb 2018 18:04

Instrument :

BNA_F

ClientSampleId :

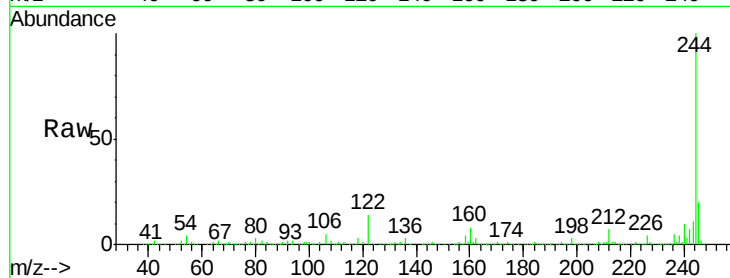
Tot Ion:244 Resp: 1690201

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

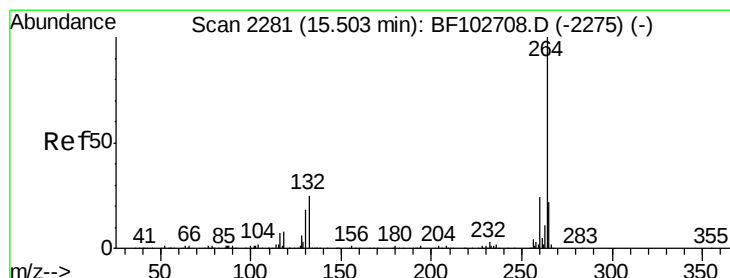
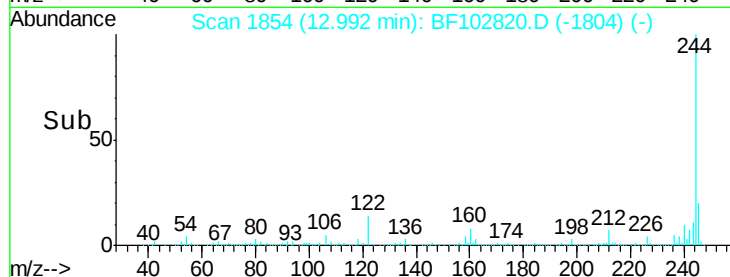
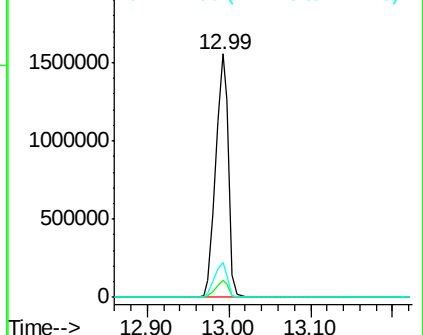
122 14.2 11.0 16.4



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: 20.00 ng

RT: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102820.D

Acq: 7 Feb 2018 18:04

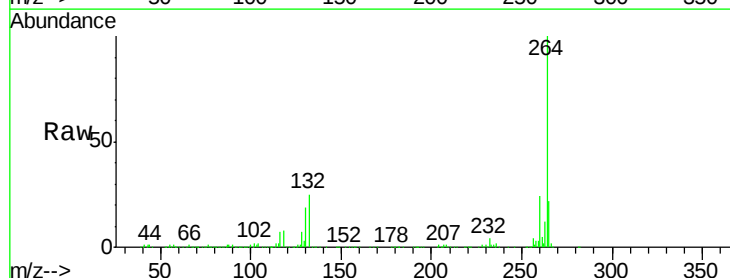
Tgt Ion:264 Resp: 447657

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.9 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

