

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102821.D
 Acq On : 7 Feb 2018 18:31
 Operator : SJ/JU
 Sample : J1400-03 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 02:18:41 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

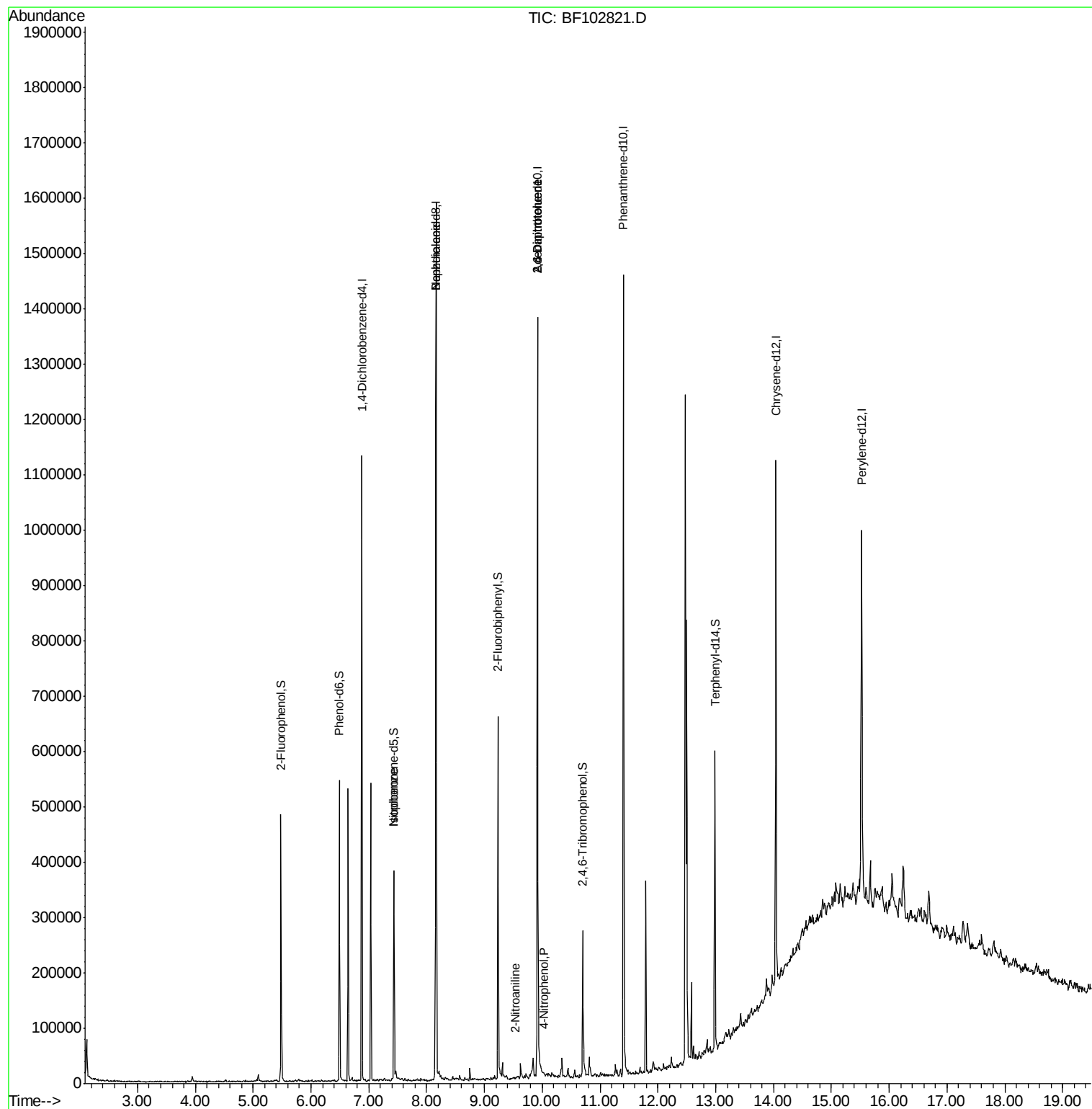
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	157747	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	669555	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	299809	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	516400	20.00	ng	0.00
75) Chrysene-d12	14.04	240	327778	20.00	ng	-0.01
86) Perylene-d12	15.52	264	329130	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	127874	12.31	ng	-0.01
7) Phenol-d6	6.49	99	154736	12.37	ng	-0.01
23) Nitrobenzene-d5	7.43	82	109439	11.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	30736	12.74	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	195996	10.85	ng	-0.01
78) Terphenyl-d14	12.99	244	155487	11.23	ng	-0.01
Target Compounds						
24) Nitrobenzene	7.28	77	114	Below Cal	#	38
25) Isophorone	7.43	82	109438	4.92 ng	#	65
32) Benzoic acid	8.16	122	126	8.56 ng	#	1
47) 2-Nitroaniline	9.52	65	128	3.49 ng	#	2
50) 2,6-Dinitrotoluene	9.92	165	36654	8.24 ng	#	26
55) 4-Nitrophenol	10.04	139	112	4.05 ng	#	26
56) 2,4-Dinitrotoluene	9.92	165	36654	8.83 ng	#	23

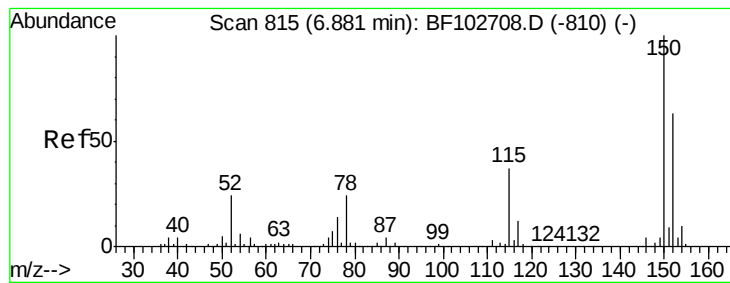
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF102821.D

Acq: 7 Feb 2018 18:31

Instrument :
BNA_F
ClientSampleId :

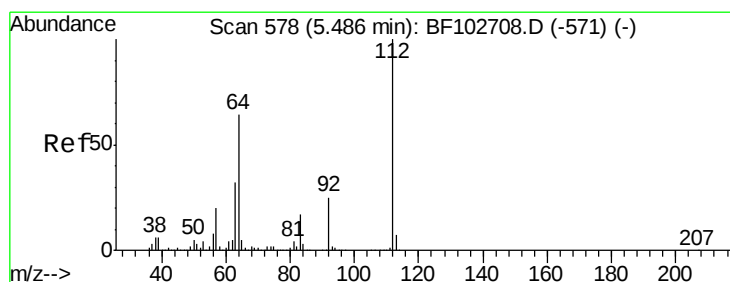
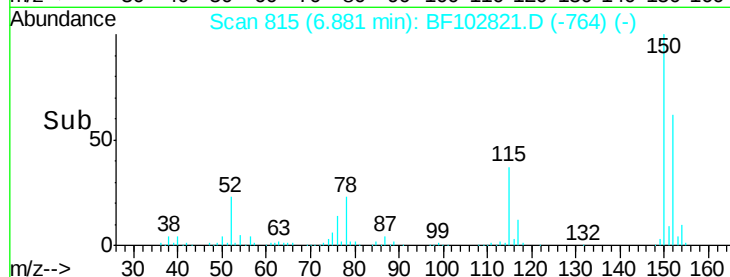
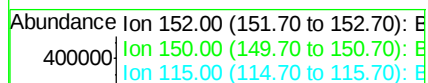
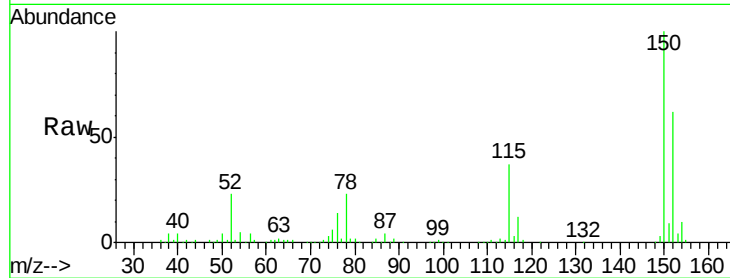
Tot Ion:152 Resp: 157747

Ion Ratio Lower Upper

152 100

150 161.3 124.6 186.8

115 60.2 50.1 75.1



#5

2-Fluorophenol

Concen: 12.31 ng

RT: 5.48 min Scan# 577

Delta R.T. -0.01 min

Lab File: BF102821.D

Acq: 7 Feb 2018 18:31

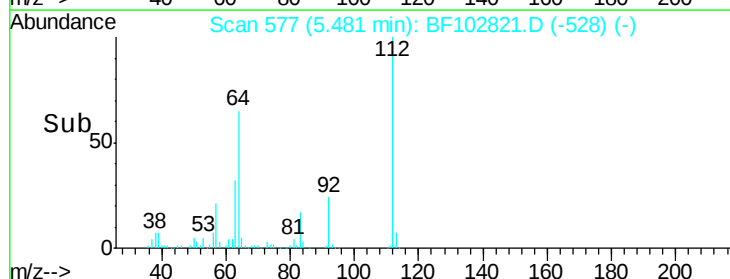
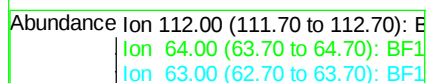
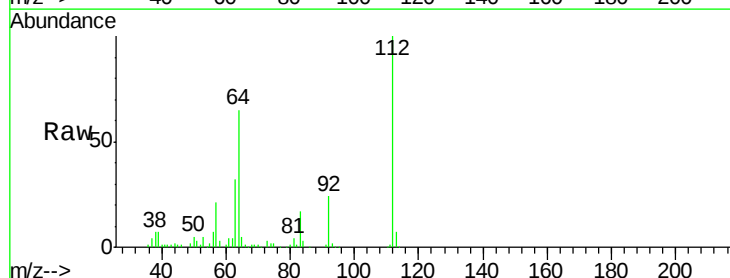
Tgt Ion:112 Resp: 127874

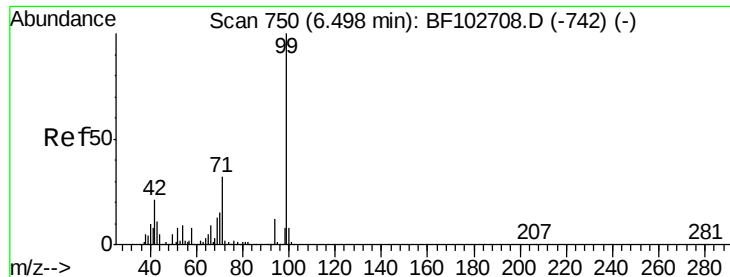
Ion Ratio Lower Upper

112 100

64 65.2 47.9 71.9

63 32.1 23.7 35.5





#7

Phenol-d6

Concen: 12.37 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF102821.D

Acq: 7 Feb 2018 18:31

Instrument :

BNA_F

ClientSampleId :

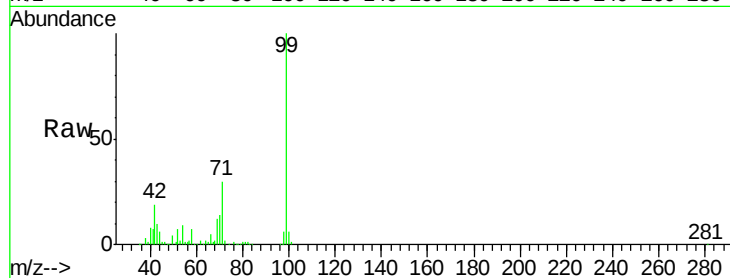
Tot Ion: 99 Resp: 154736

Ion Ratio Lower Upper

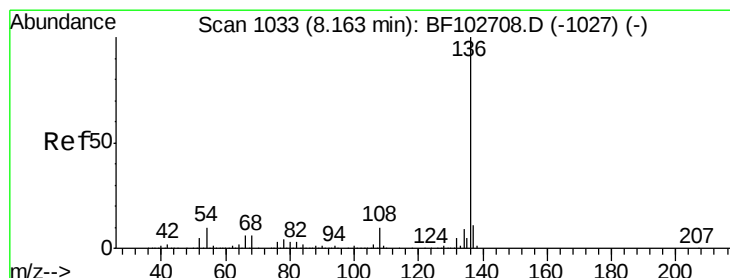
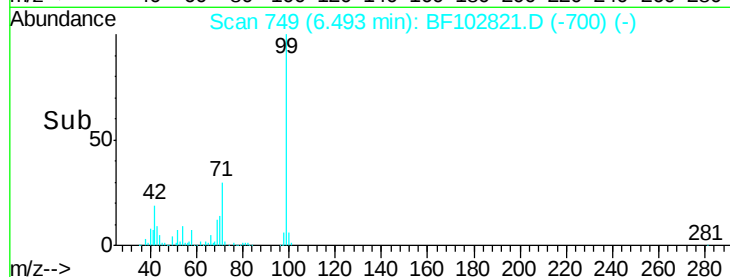
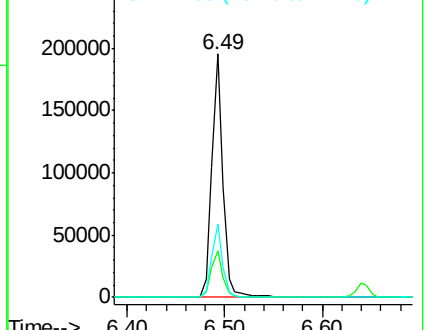
99 100

42 19.3 14.5 21.7

71 30.2 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102821.D

Acq: 7 Feb 2018 18:31

Tgt Ion: 136 Resp: 669555

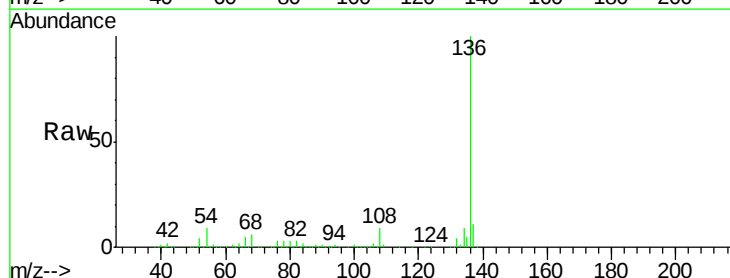
Ion Ratio Lower Upper

136 100

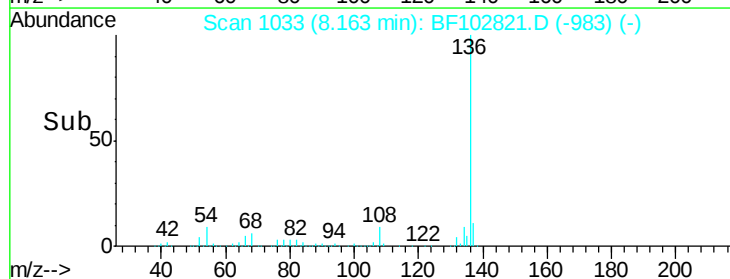
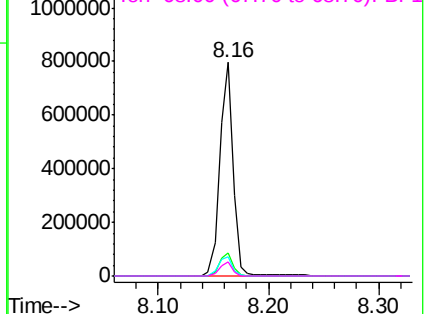
137 10.7 8.9 13.3

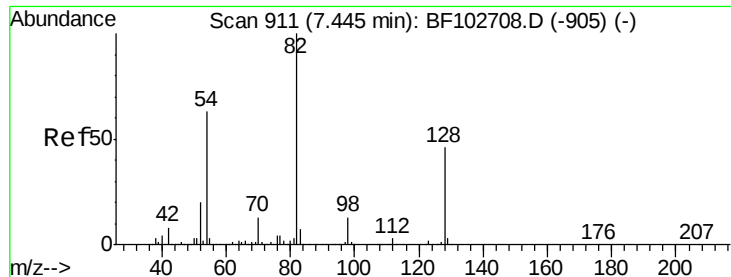
54 9.0 6.6 9.8

68 6.4 5.0 7.4



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

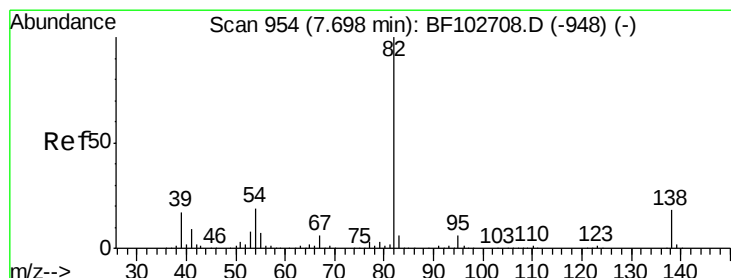
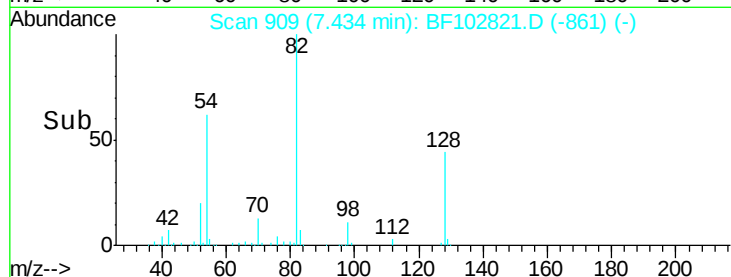
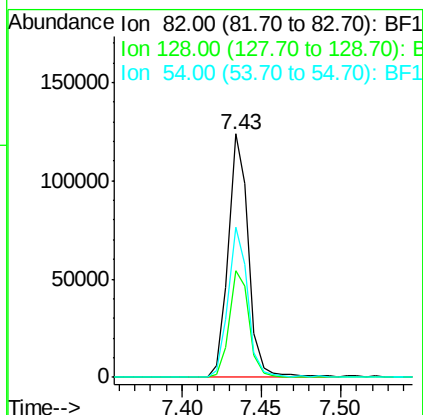
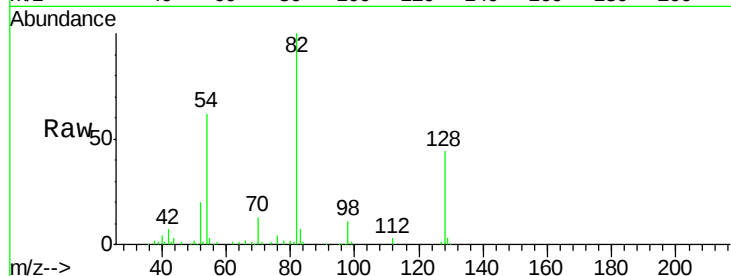




#23
Nitrobenzene-d5
Concen: 11.34 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF102821.D
Acq: 7 Feb 2018 18:31

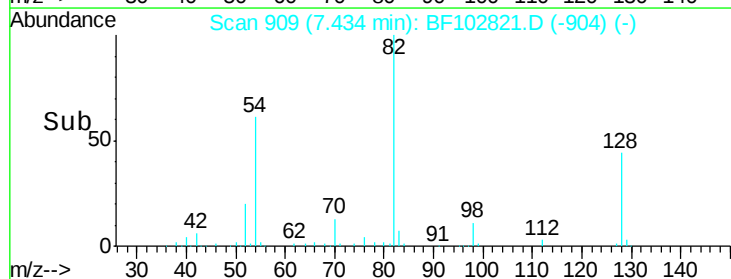
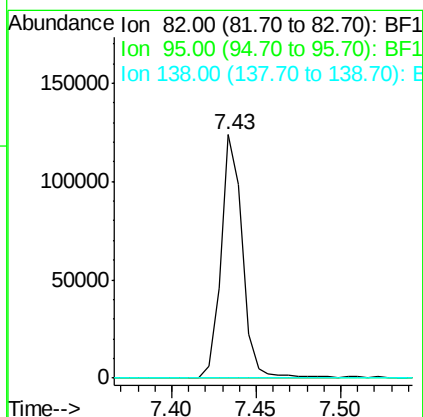
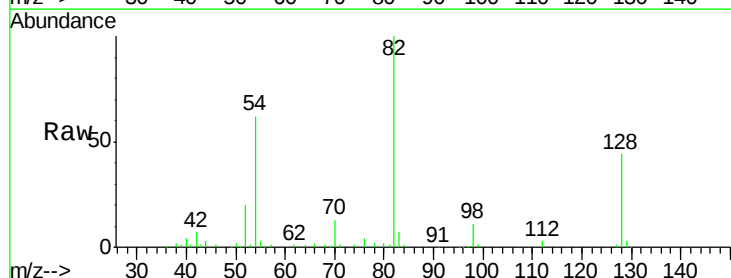
Instrument :
BNA_F
ClientSampleId :

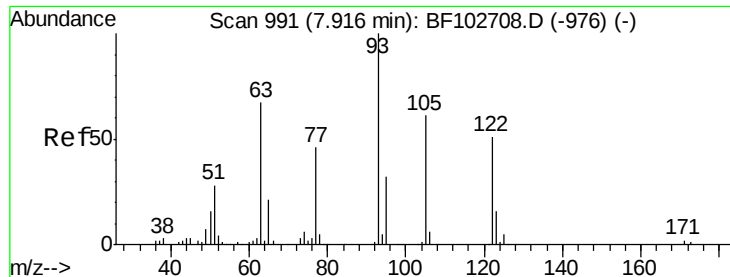
Tot Ion	82	Resp	109439
Ion Ratio	Lower	Upper	
82	100		
128	43.9	36.1	54.1
54	61.6	41.4	62.2



#25
Isophorone
Concen: 4.92 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.27 min
Lab File: BF102821.D
Acq: 7 Feb 2018 18:31

Tgt Ion	82	Resp	109438
Ion Ratio	Lower	Upper	
82	100		
95	0.3	5.2	7.8#
138	0.0	14.9	22.3#





#32

Benzoic acid

Concen: 8.56 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.23 min

Lab File: BF102821.D

Acq: 7 Feb 2018 18:31

Instrument :

BNA_F

ClientSampleId :

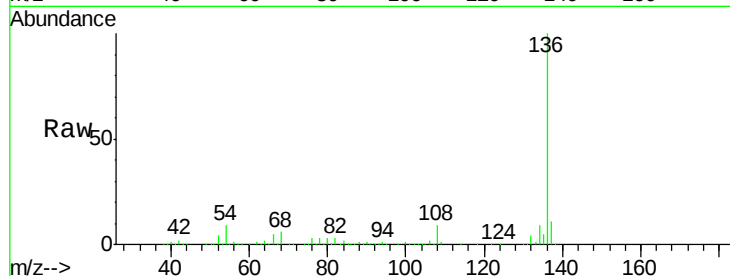
Tot Ion:122 Resp: 126

Ion Ratio Lower Upper

122 100

105 181.5 101.1 141.1#

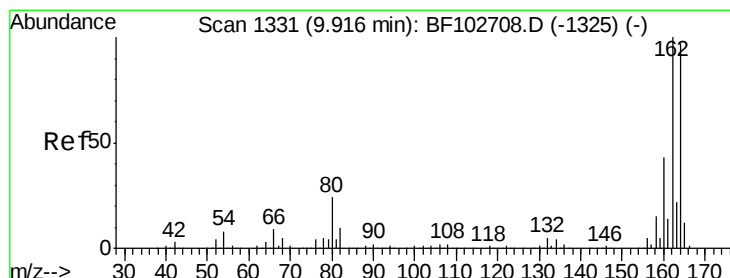
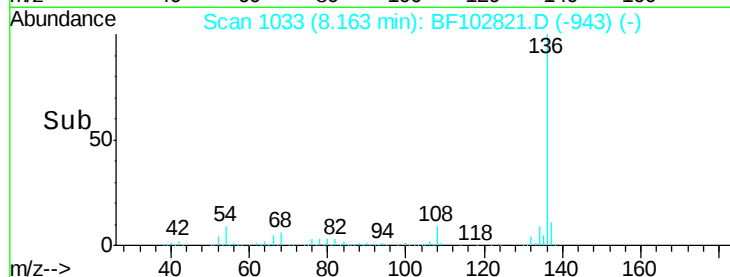
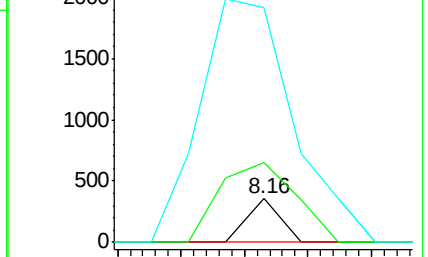
77 537.3 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102821.D

Acq: 7 Feb 2018 18:31

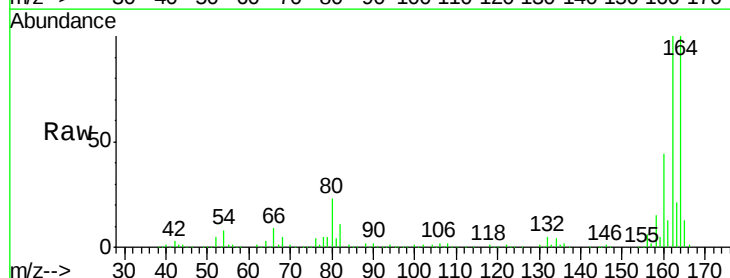
Tgt Ion:164 Resp: 299809

Ion Ratio Lower Upper

164 100

162 100.2 86.1 129.1

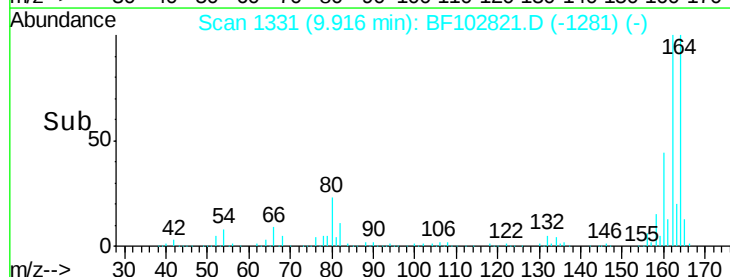
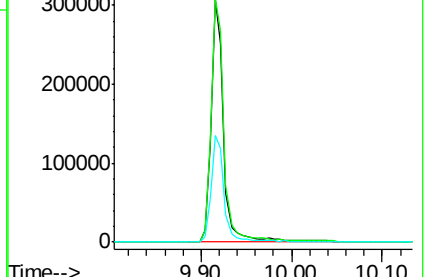
160 44.0 38.3 57.5

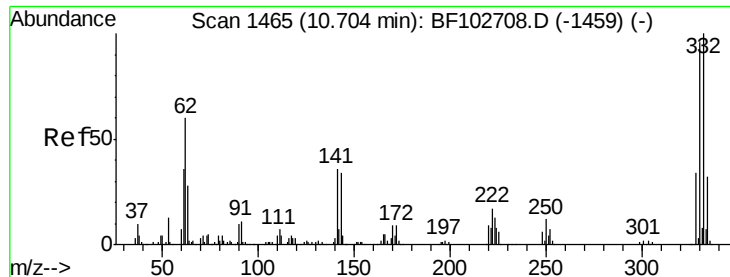


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

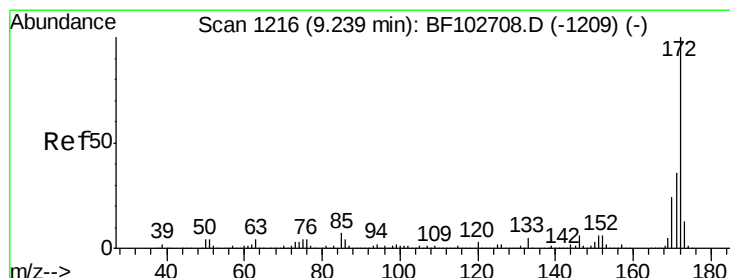
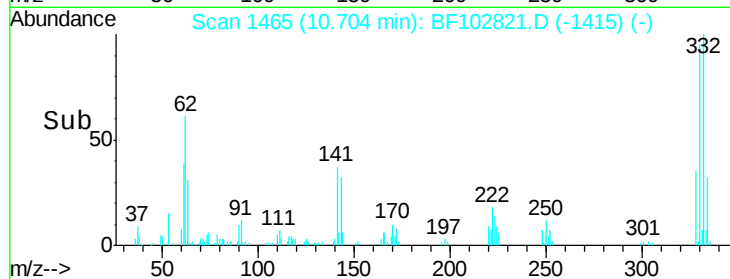
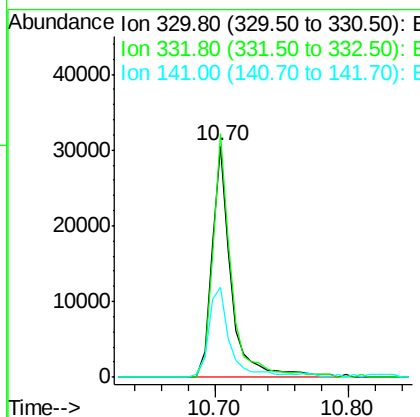
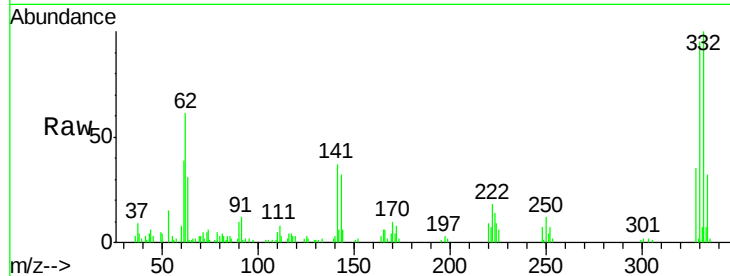




#41
 2,4,6-Tribromophenol
 Concen: 12.74 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102821.D
 Acq: 7 Feb 2018 18:31

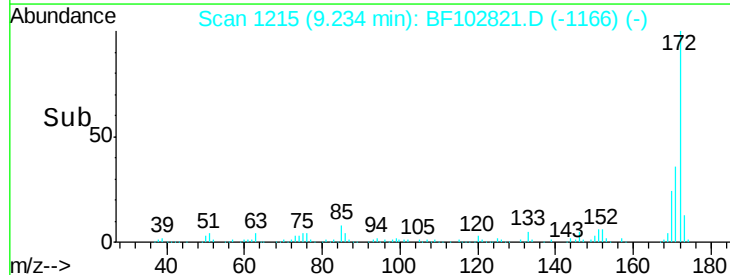
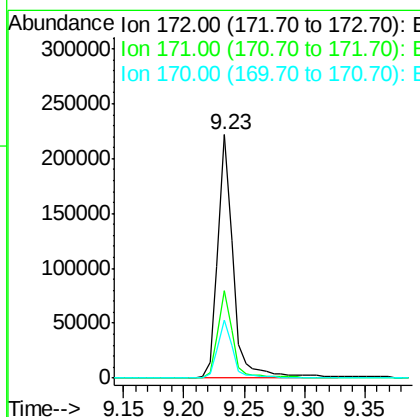
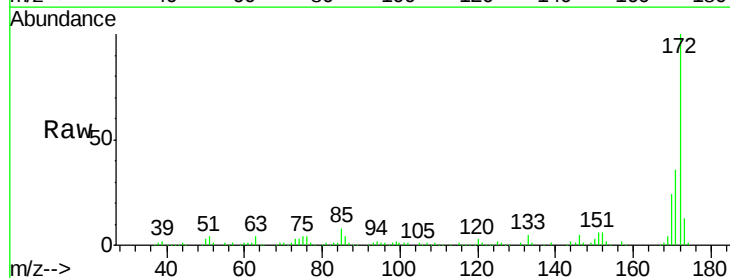
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.1	77.0	115.6
141	42.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 10.85 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102821.D
 Acq: 7 Feb 2018 18:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.8	19.6	29.4

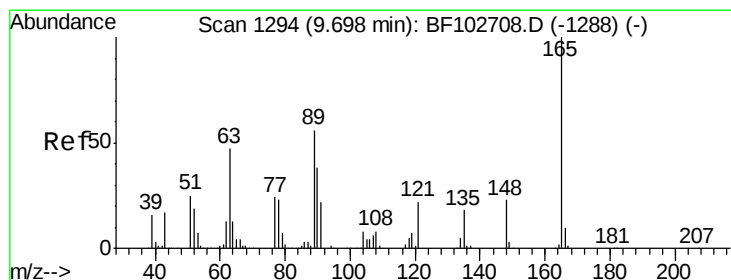
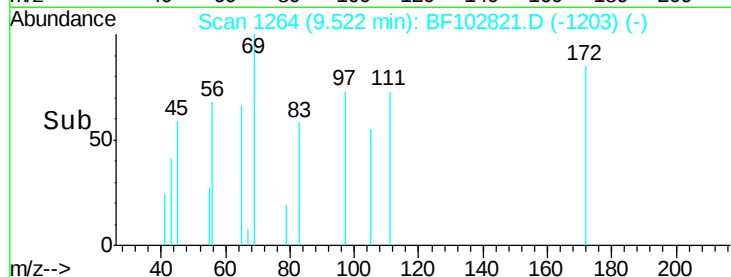
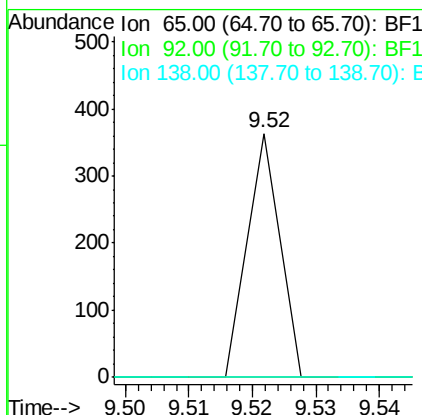
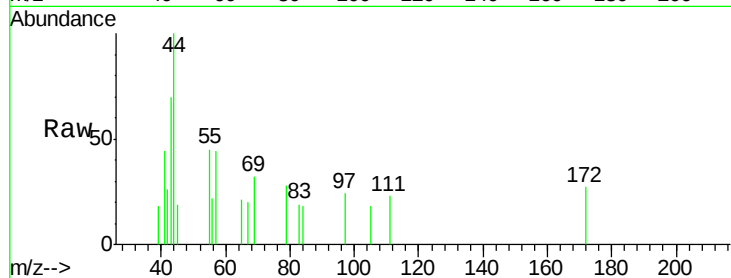




#47
2-Nitroaniline
Concen: 3.49 ng
RT: 9.52 min Scan# 1264
Delta R.T. 0.06 min
Lab File: BF102821.D
Acq: 7 Feb 2018 18:31

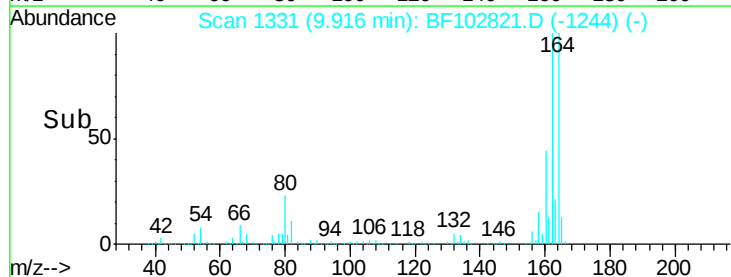
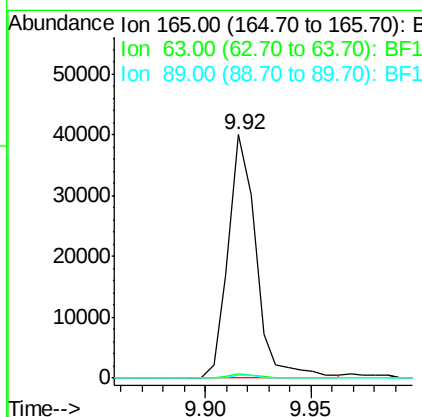
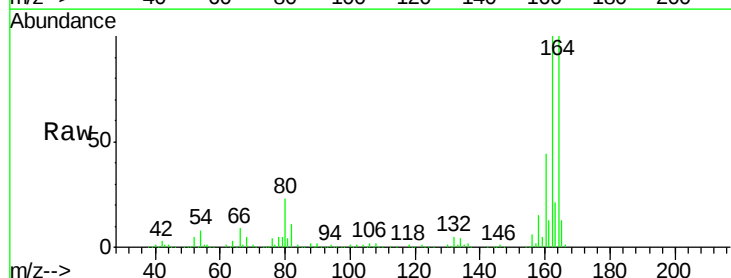
Instrument :
BNA_F
ClientSampleId :

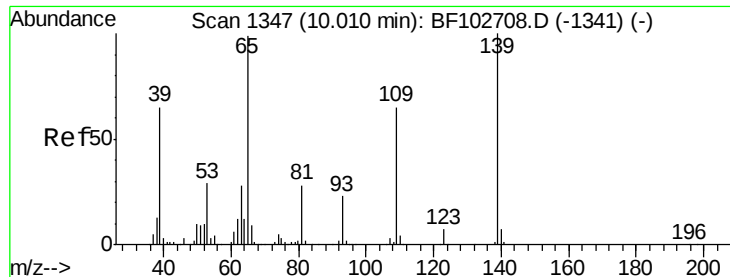
Tot Ion: 65 Resp: 128
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.24 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF102821.D
Acq: 7 Feb 2018 18:31

Tgt Ion:165 Resp: 36654
Ion Ratio Lower Upper
165 100
63 1.8 44.7 67.1#
89 1.3 44.0 66.0#

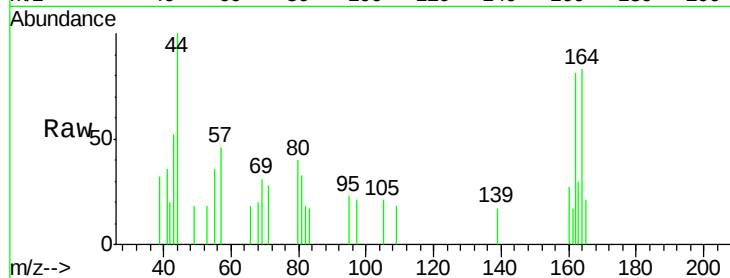




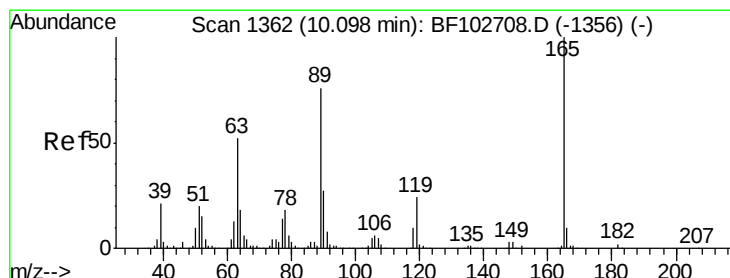
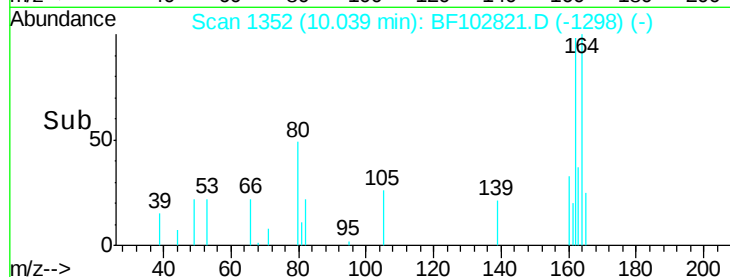
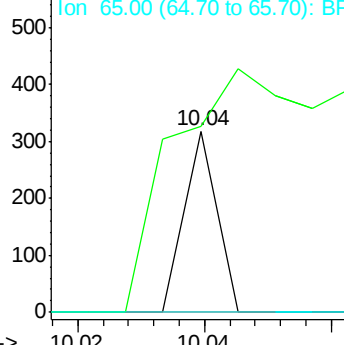
#55
4-Nitrophenol
Concen: 4.05 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BF102821.D
Acq: 7 Feb 2018 18:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 112
Ion Ratio Lower Upper
139 100
109 102.8 48.4 88.4#
65 0.0 72.6 112.6#

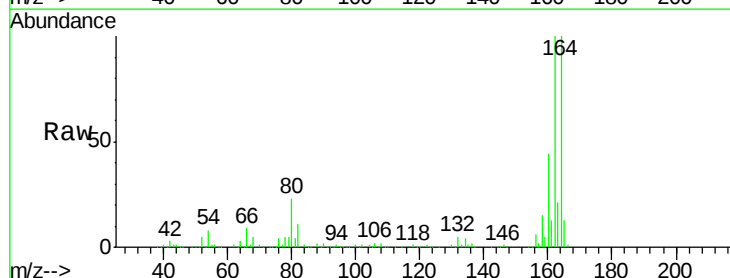


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

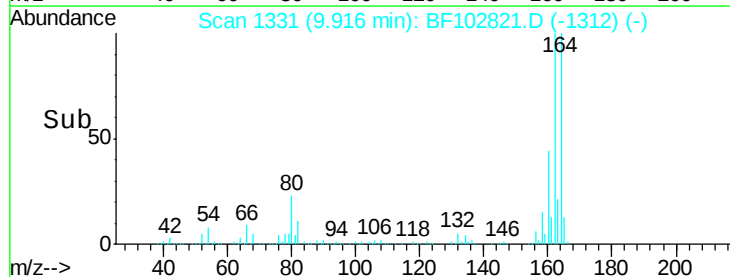
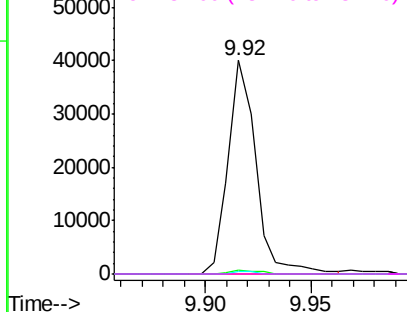


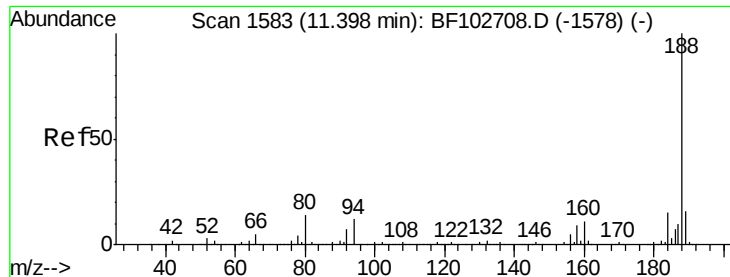
#56
2,4-Dinitrotoluene
Concen: 8.83 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF102821.D
Acq: 7 Feb 2018 18:31

Tgt Ion:165 Resp: 36654
Ion Ratio Lower Upper
165 100
63 1.8 36.4 54.6#
89 1.3 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

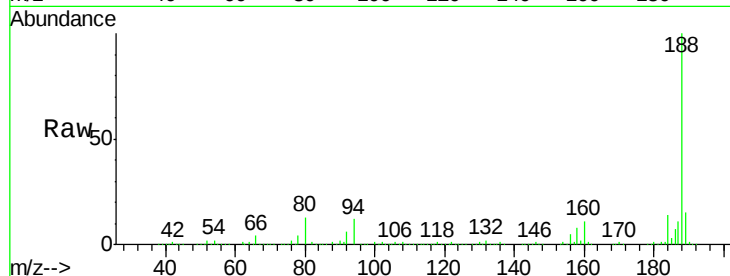




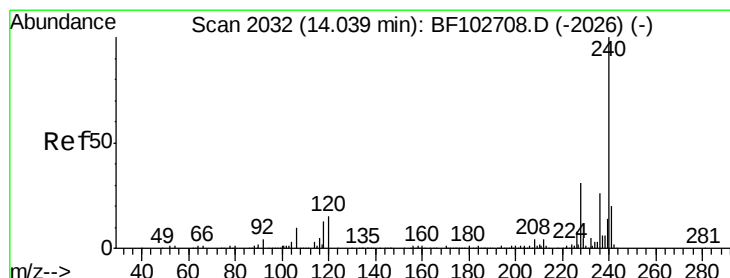
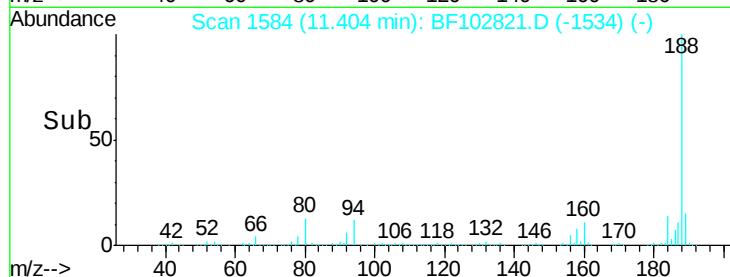
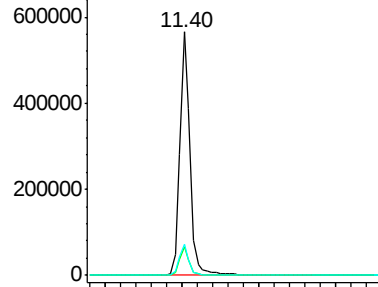
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102821.D
Acq: 7 Feb 2018 18:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 516400
Ion Ratio Lower Upper
188 100
94 11.8 8.5 12.7
80 12.7 9.2 13.8

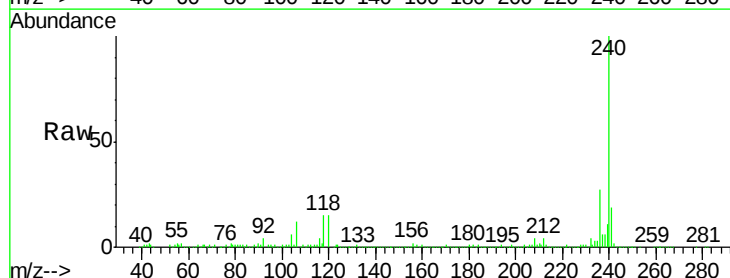


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

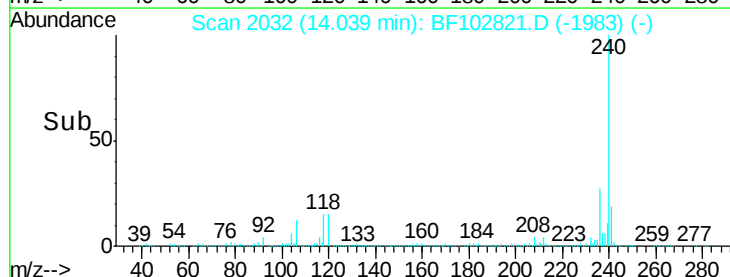
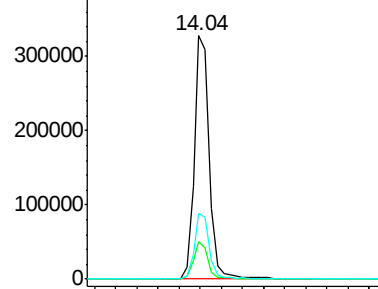


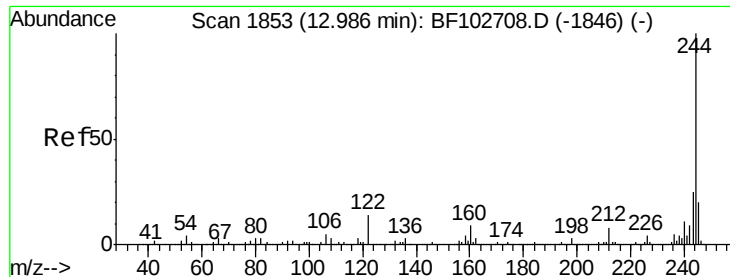
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF102821.D
Acq: 7 Feb 2018 18:31

Tgt Ion:240 Resp: 327778
Ion Ratio Lower Upper
240 100
120 15.4 9.5 14.3#
236 26.8 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: 11.23 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF102821.D

Acq: 7 Feb 2018 18:31

Instrument :

BNA_F

ClientSampleId :

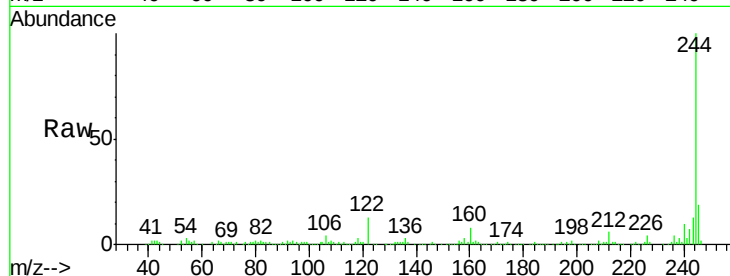
Tot Ion:244 Resp: 155487

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 13.0 11.0 16.4

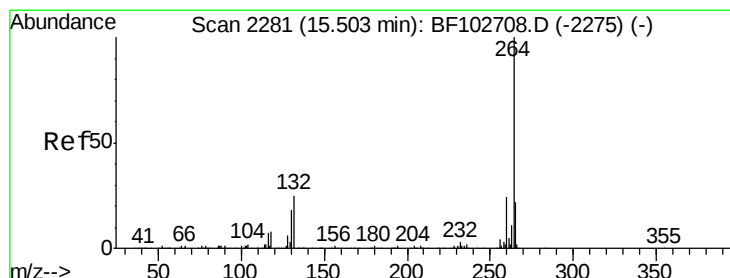
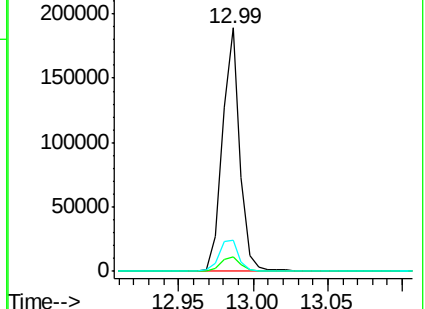
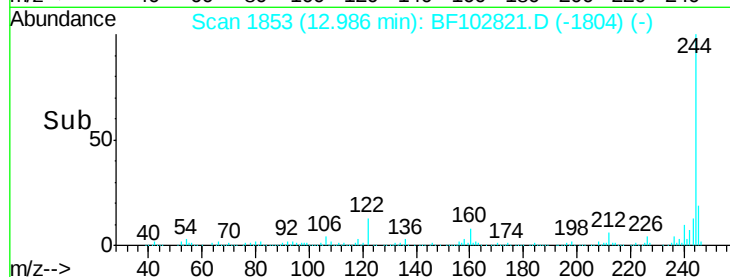


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102821.D

Acq: 7 Feb 2018 18:31

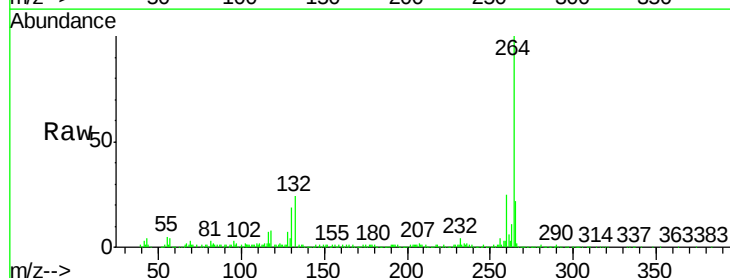
Tgt Ion:264 Resp: 329130

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 22.1 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

Time-->

