

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103150.D
 Acq On : 21 Feb 2018 21:25
 Operator : SJ/JU
 Sample : PB106711BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

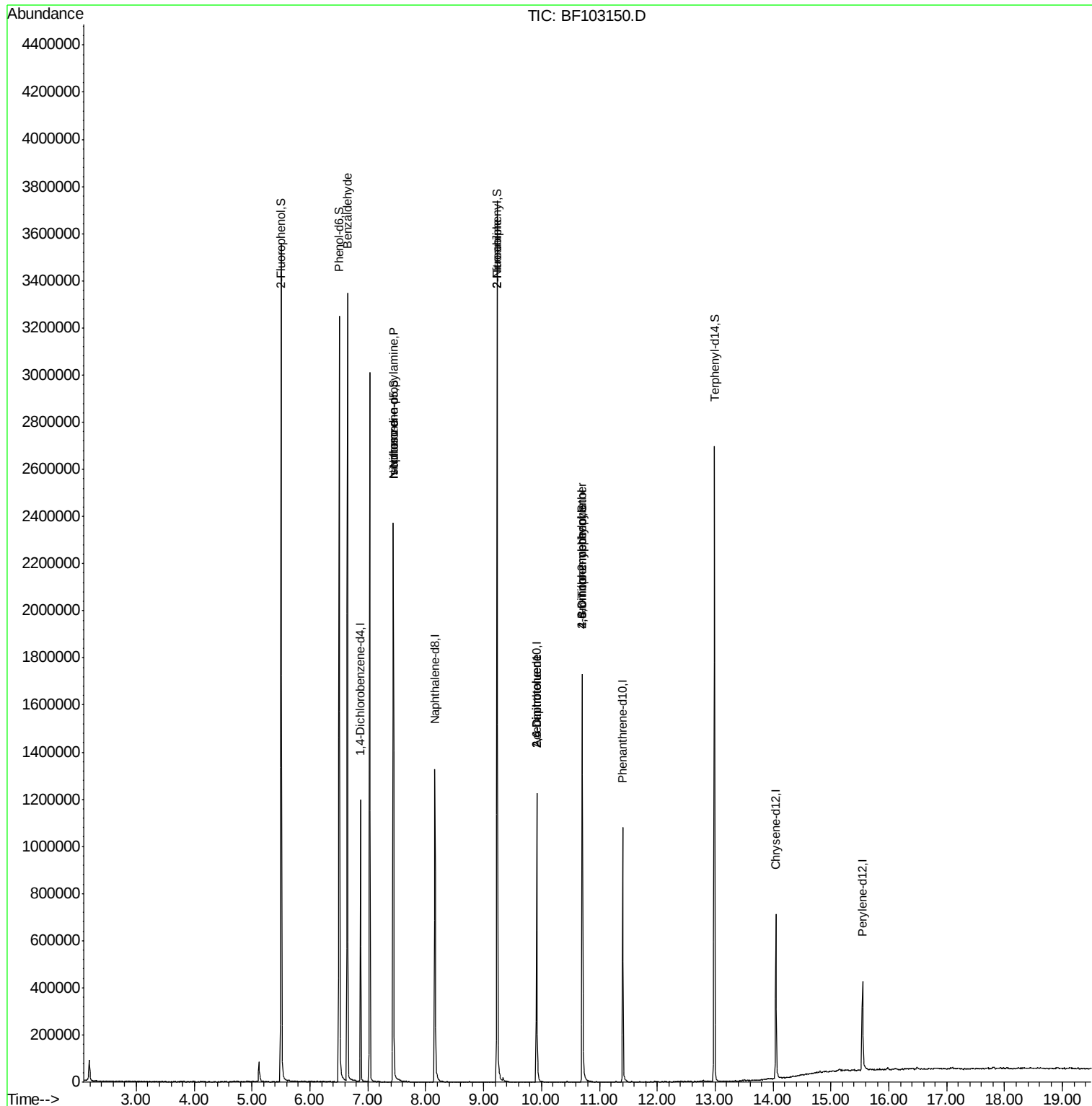
Quant Time: Feb 22 00:39:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

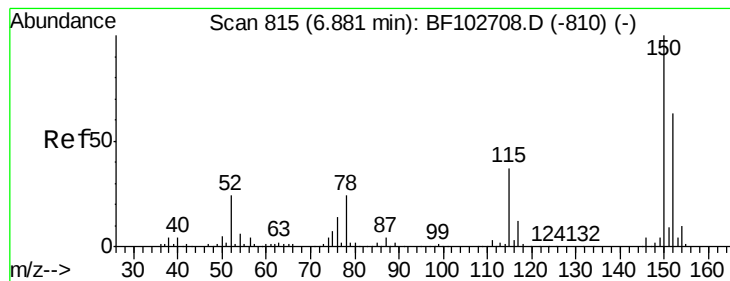
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	149868	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	633248	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	265973	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	398184	20.00	ng	0.00
75) Chrysene-d12	14.04	240	269967	20.00	ng	-0.01
86) Perylene-d12	15.54	264	218323	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1030211	104.40	ng	0.01
7) Phenol-d6	6.51	99	1223858	103.00	ng	0.00
23) Nitrobenzene-d5	7.44	82	781586	85.62	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	206524	96.47	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1246351	77.76	ng	0.00
78) Terphenyl-d14	12.99	244	893213	78.34	ng	0.00
Target Compounds						
9) Benzaldehyde	6.65	77	20631	2.338	ng	84
19) n-Nitroso-di-n-propylamine	7.44	70	100324	12.806	ng	# 80
25) Isophorone	7.44	82	781642	37.186	ng	# 64
47) 2-Nitroaniline	9.23	65	2101	3.830	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	32872	8.331	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	32872	8.890	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	366	8.996	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	13812	3.279	ng	# 1

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

```
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ALS Vial  : 25      Sample Multiplier: 1
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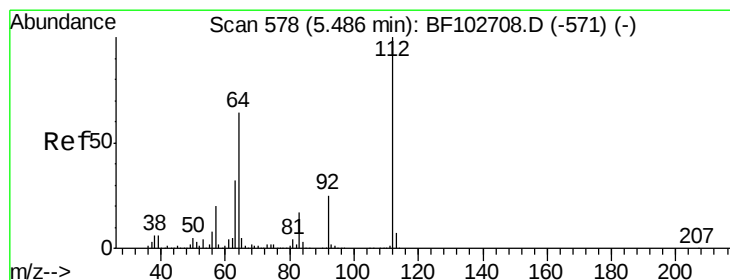
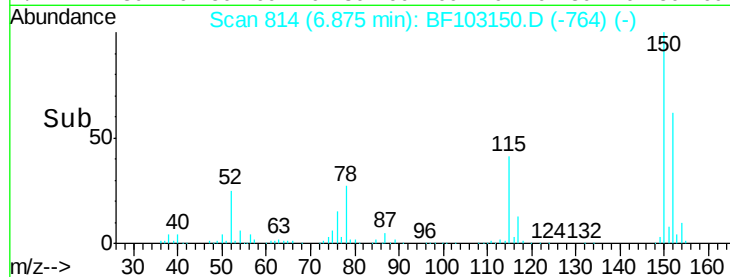
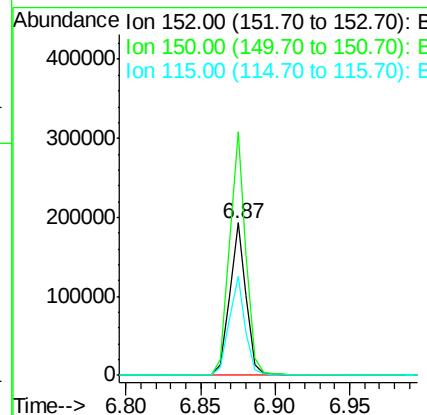
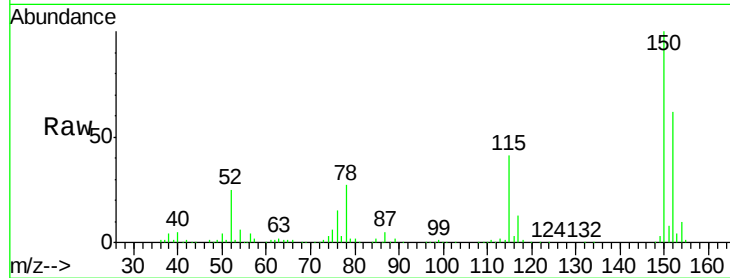


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103150.D
Acq: 21 Feb 2018 21:25

Instrument :
BNA_F
ClientSampleId :

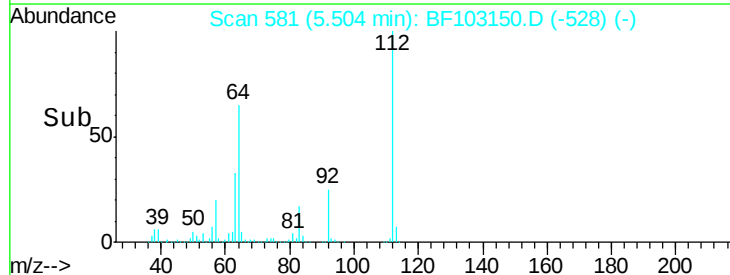
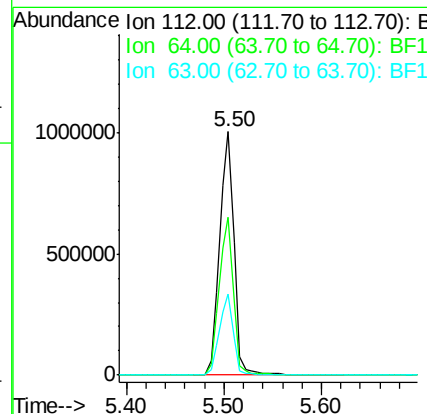
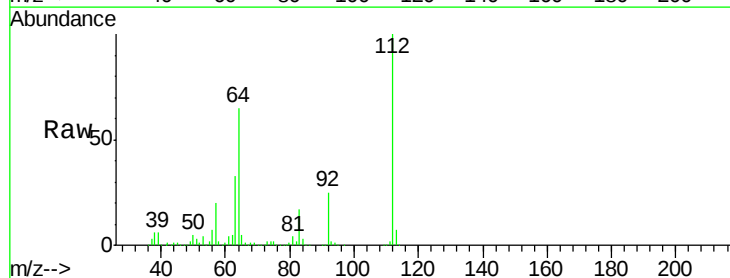
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	64.8	50.1	75.1

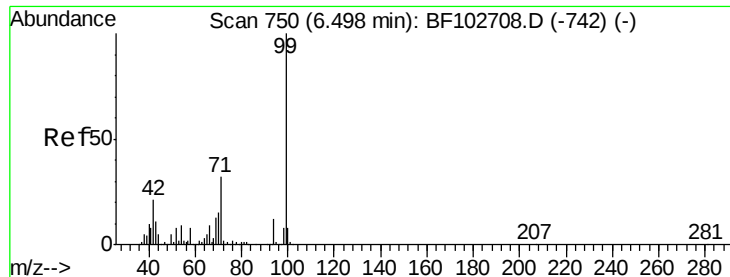


#5

2-Fluorophenol
Concen: 104.395 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103150.D
Acq: 21 Feb 2018 21:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	33.1	23.7	35.5





#7

Phenol-d6

Concen: 102.999 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103150.D

Acq: 21 Feb 2018 21:25

Instrument :

BNA_F

ClientSampleId :

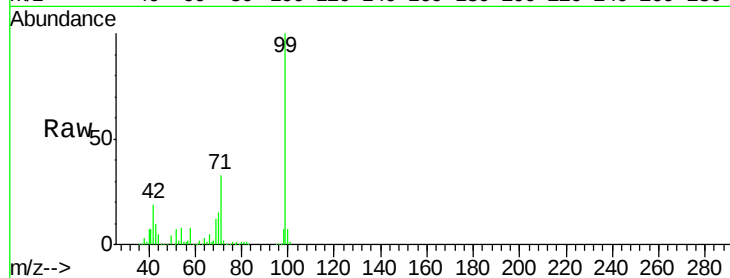
Tot Ion: 99 Resp: 1223858

Ion Ratio Lower Upper

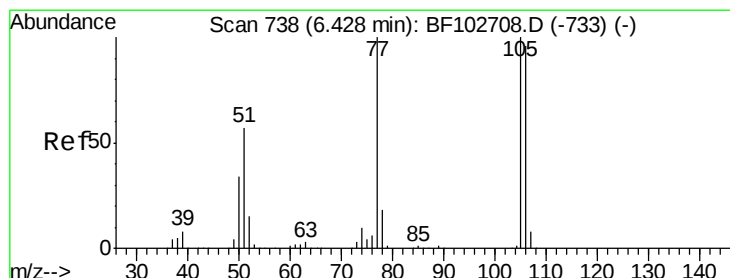
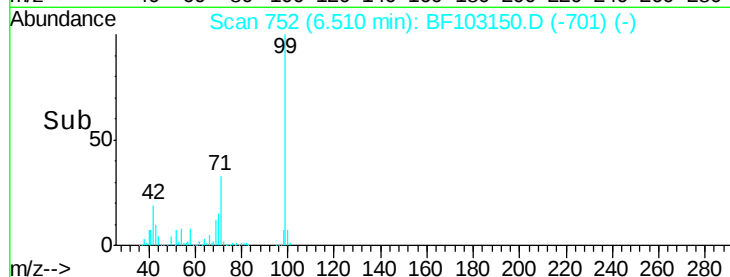
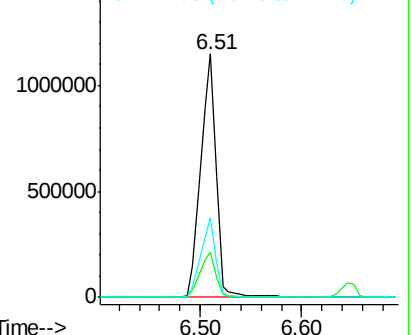
99 100

42 18.8 14.5 21.7

71 32.6 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: 2.338 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.21 min

Lab File: BF103150.D

Acq: 21 Feb 2018 21:25

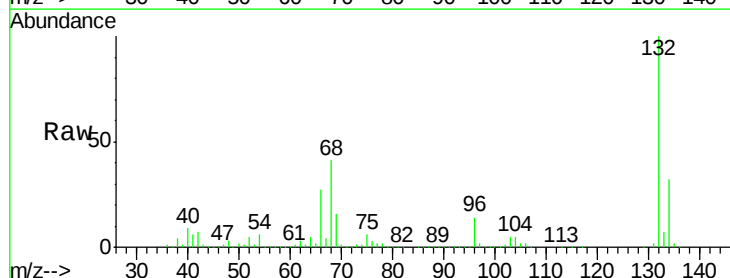
Tgt Ion: 77 Resp: 20631

Ion Ratio Lower Upper

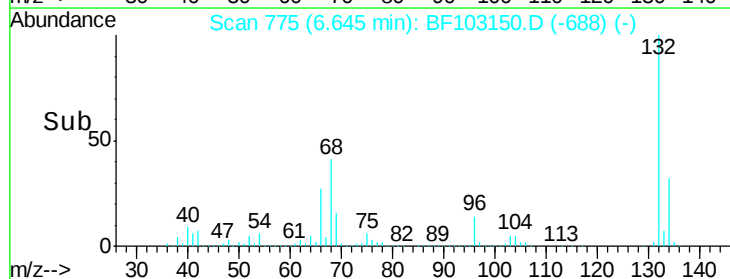
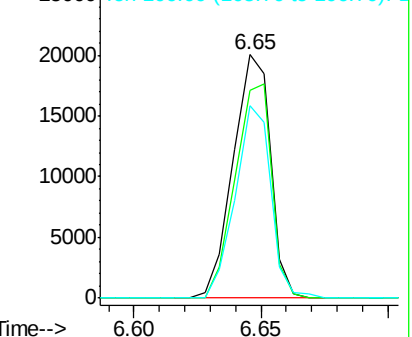
77 100

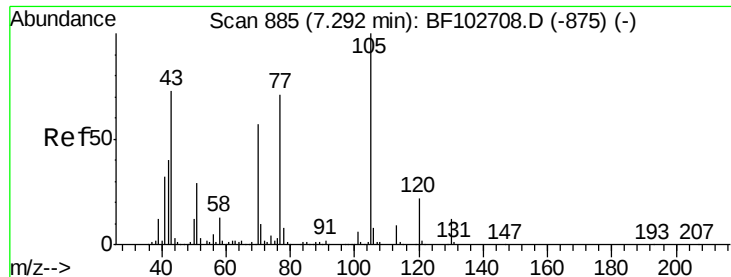
105 85.2 81.1 121.1

106 79.1 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

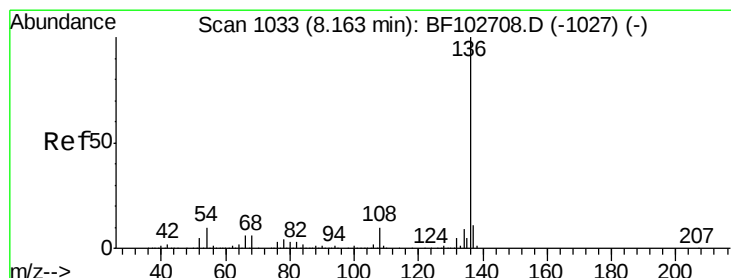
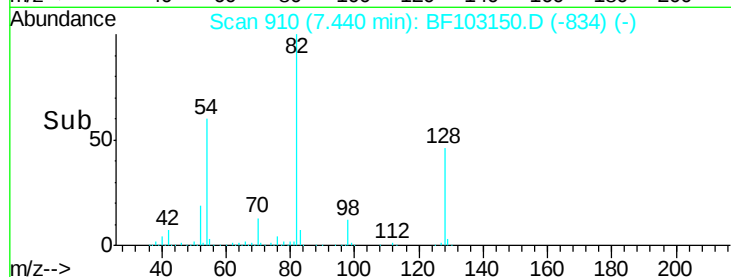
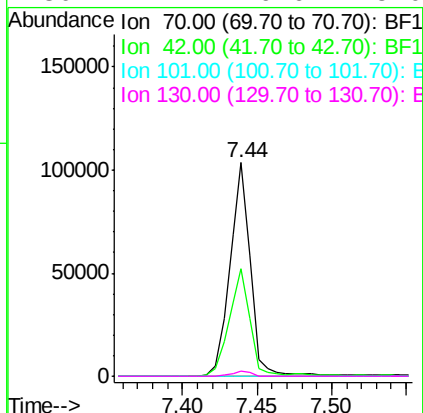
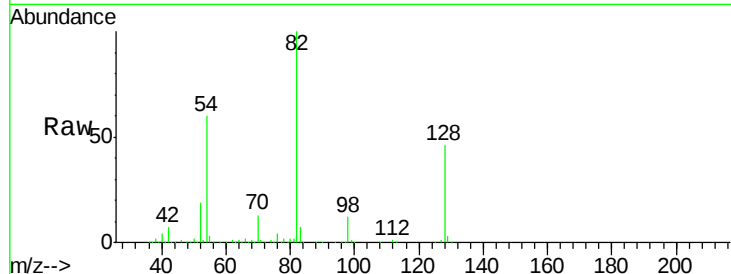




#19
n-Nitroso-di-n-propylamine
Concen: 12.806 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103150.D
Acq: 21 Feb 2018 21:25

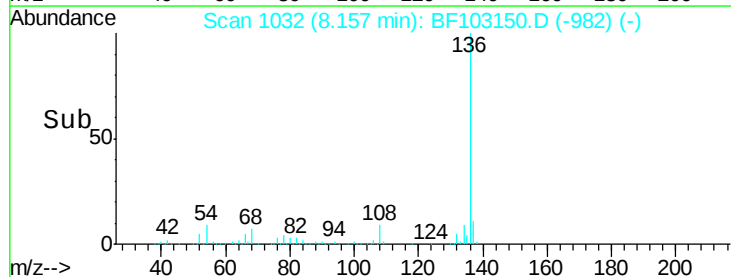
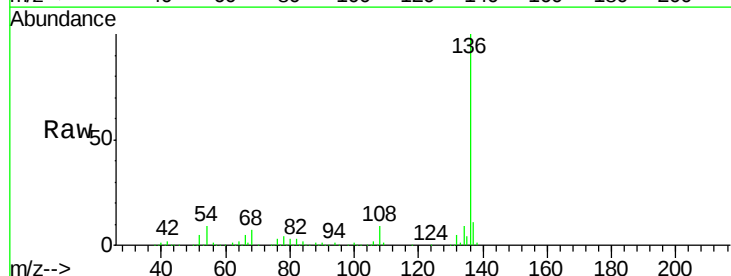
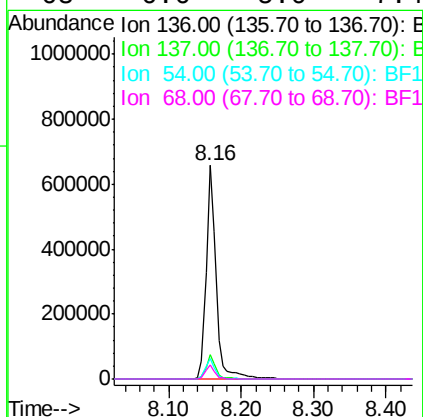
Instrument :
BNA_F
ClientSampleId :

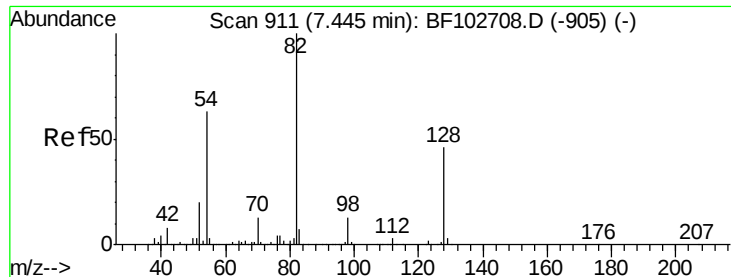
Tot Ion: 70 Resp: 100324
Ion Ratio Lower Upper
70 100
42 50.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103150.D
Acq: 21 Feb 2018 21:25

Tgt Ion:136 Resp: 633248
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 9.5 6.6 9.8
68 6.6 5.0 7.4

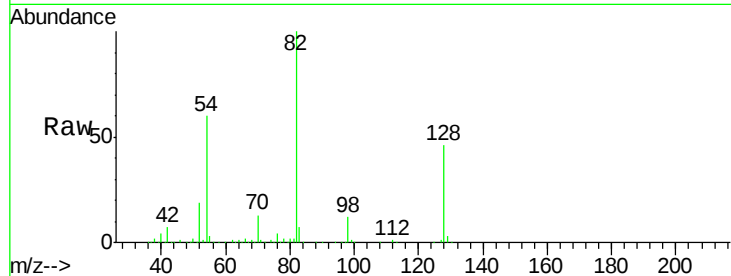




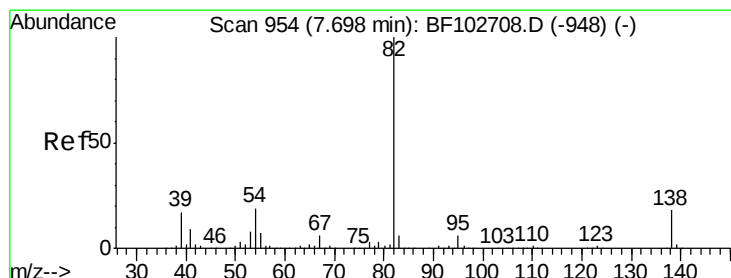
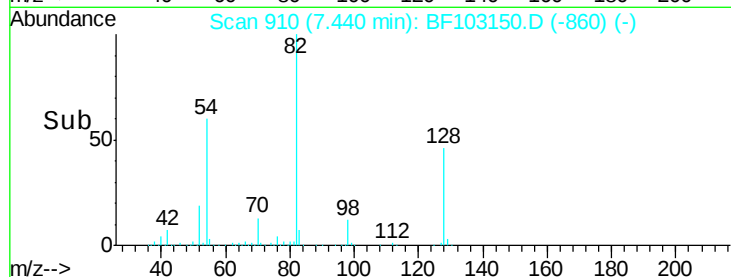
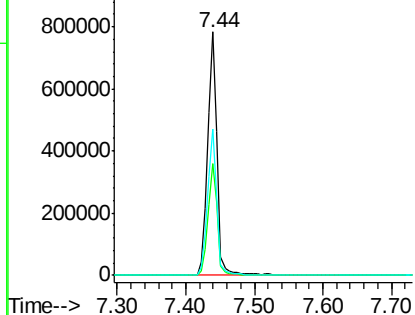
#23
Nitrobenzene-d5
Concen: 85.621 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103150.D
Acq: 21 Feb 2018 21:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	781586
Ion Ratio	Lower	Upper	
82	100		
128	45.7	36.1	54.1
54	60.1	41.4	62.2

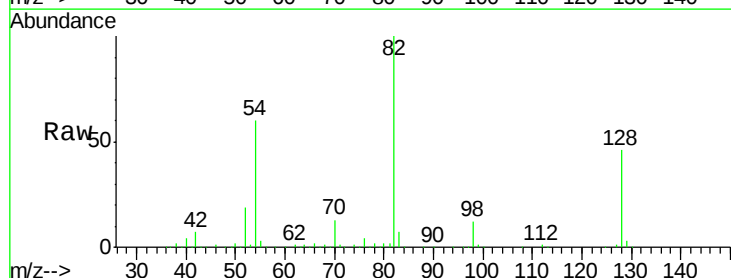


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

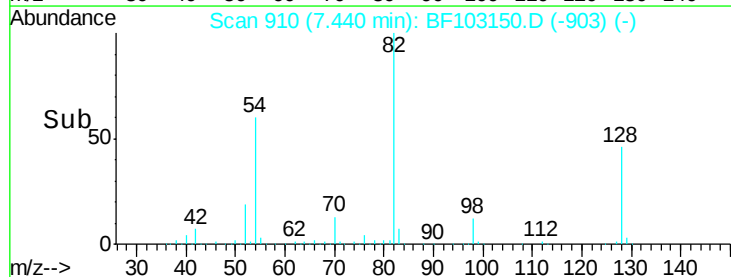
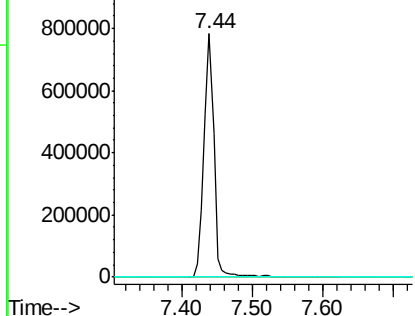


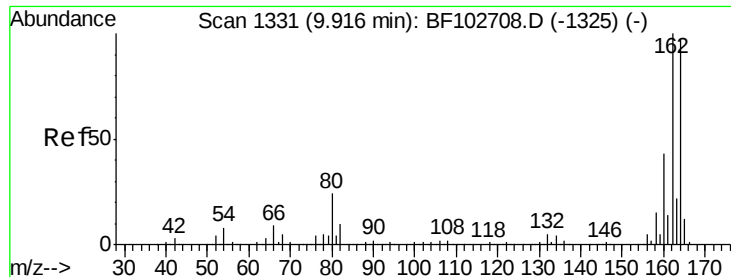
#25
Isophorone
Concen: 37.186 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103150.D
Acq: 21 Feb 2018 21:25

Tgt Ion	82	Resp	781642
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

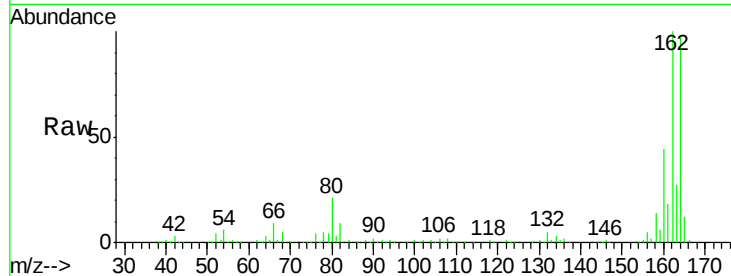




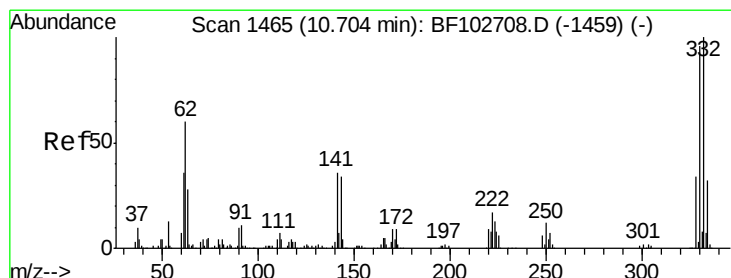
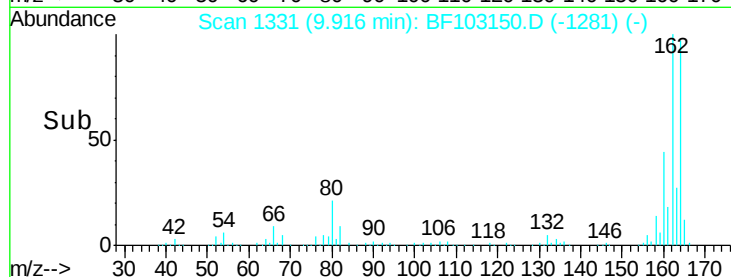
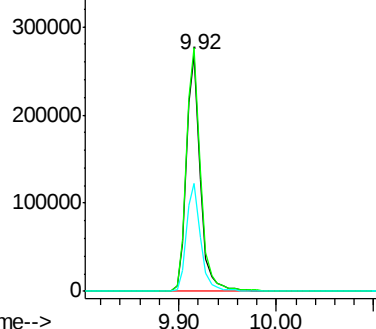
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103150.D
 Acq: 21 Feb 2018 21:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 265973
 Ion Ratio Lower Upper
 164 100
 162 103.1 86.1 129.1
 160 45.5 38.3 57.5

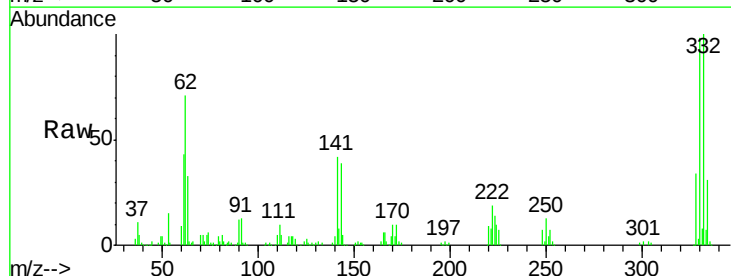


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

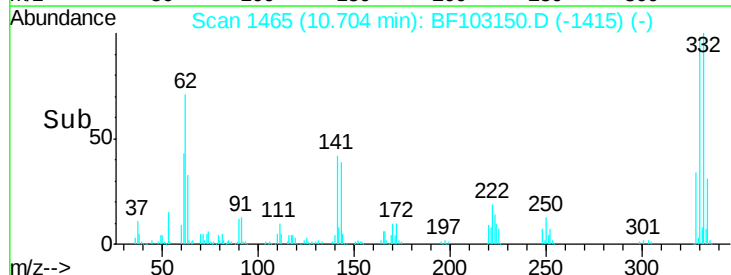
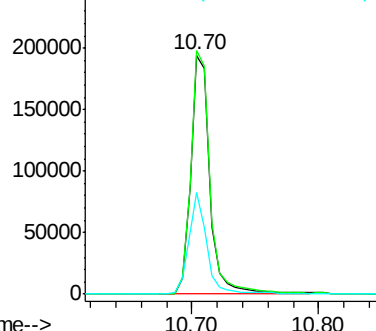


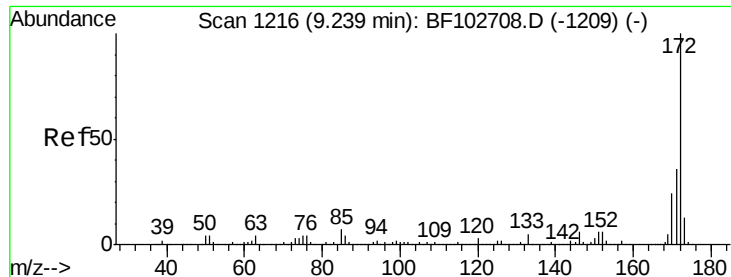
#41
 2,4,6-Tribromophenol
 Concen: 96.472 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103150.D
 Acq: 21 Feb 2018 21:25

Tgt Ion:330 Resp: 206524
 Ion Ratio Lower Upper
 330 100
 332 103.3 77.0 115.6
 141 40.7 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

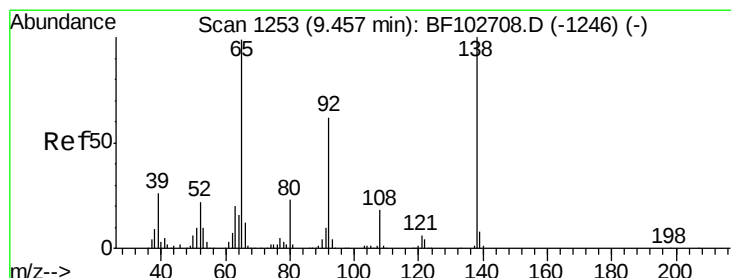
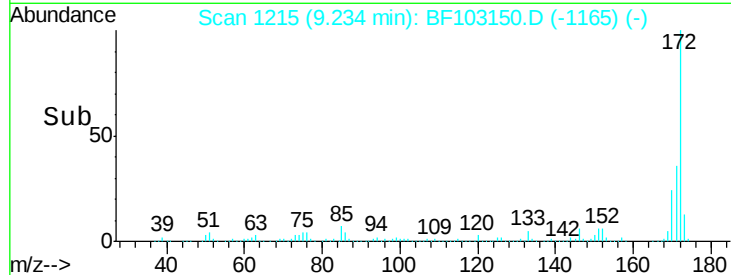
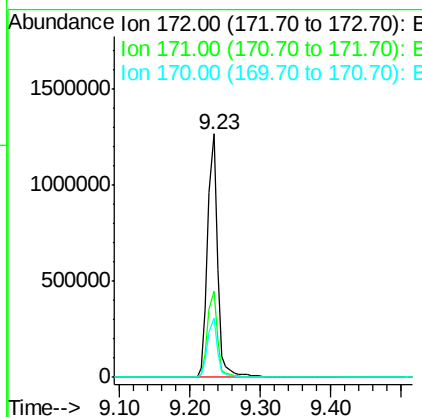
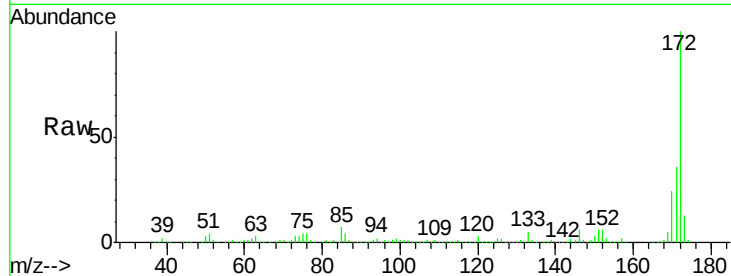




#44
 2-Fluorobiphenyl
 Concen: 77.757 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103150.D
 Acq: 21 Feb 2018 21:25

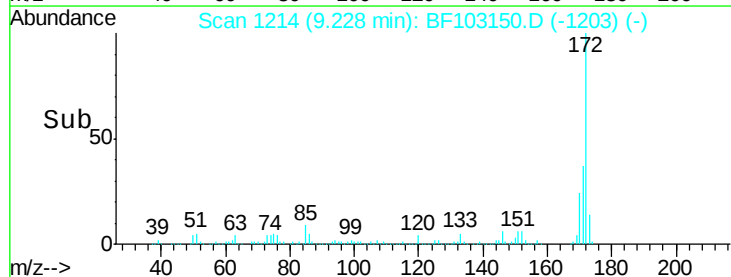
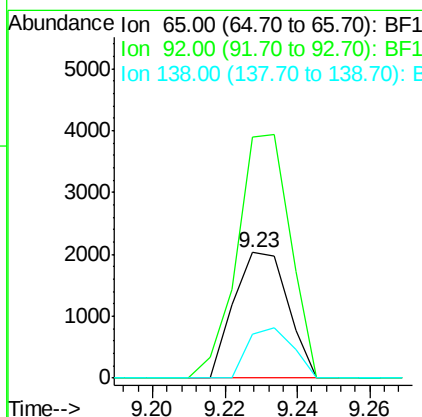
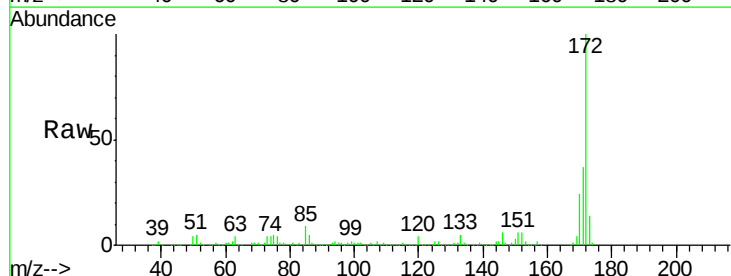
Instrument :
 BNA_F
 ClientSampleId :

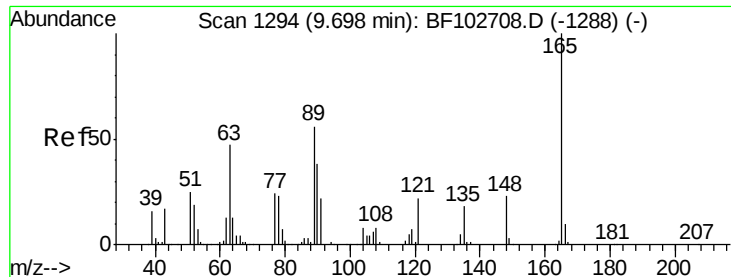
Tot Ion:172 Resp: 1246351
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 24.3 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.830 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.24 min
 Lab File: BF103150.D
 Acq: 21 Feb 2018 21:25

Tgt Ion: 65 Resp: 2101
 Ion Ratio Lower Upper
 65 100
 92 192.6 55.8 83.6#
 138 34.6 91.2 136.8#

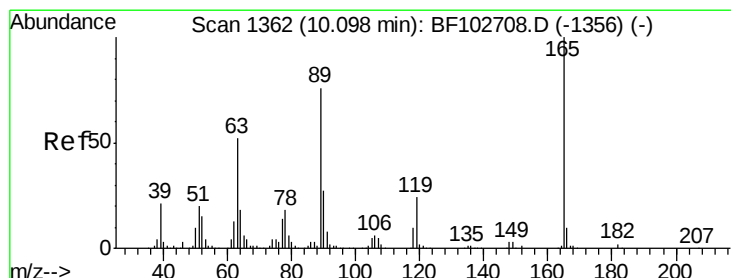
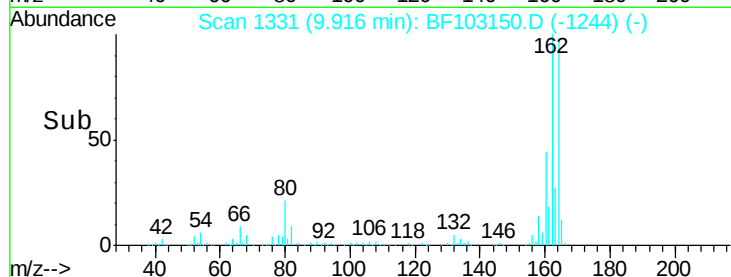
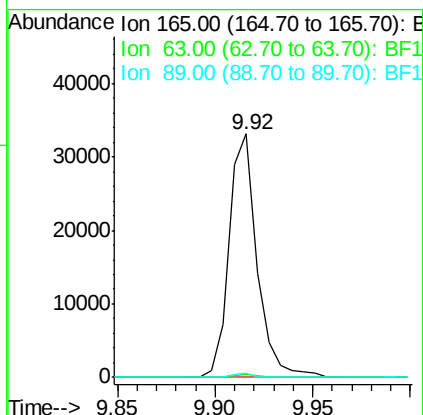
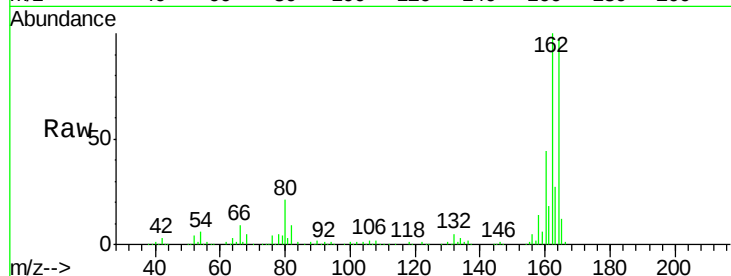




#50
 2,6-Dinitrotoluene
 Concen: 8.331 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103150.D
 Acq: 21 Feb 2018 21:25

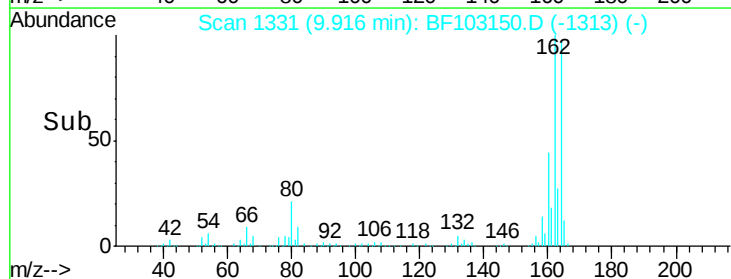
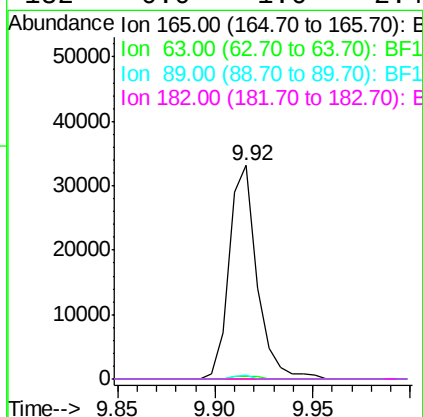
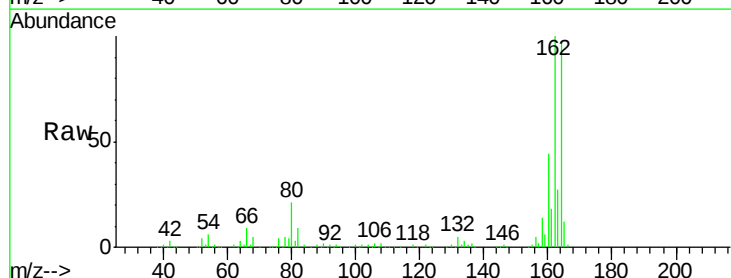
Instrument :
 BNA_F
 ClientSampleId :

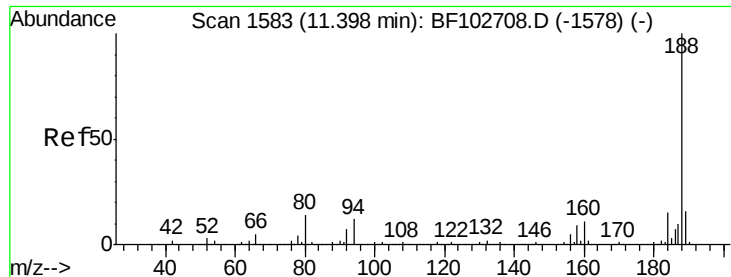
Tot Ion:165 Resp: 32872
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.7 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 8.890 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103150.D
 Acq: 21 Feb 2018 21:25

Tgt Ion:165 Resp: 32872
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.7 57.8 86.6#
 182 0.0 1.6 2.4#

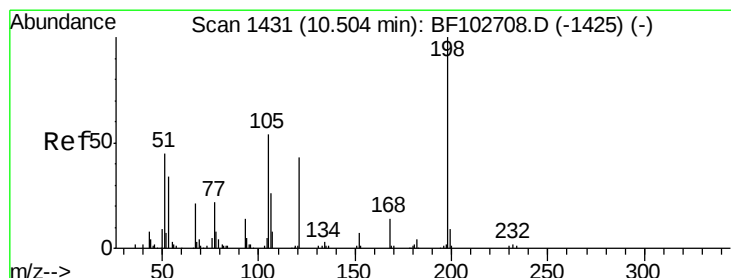
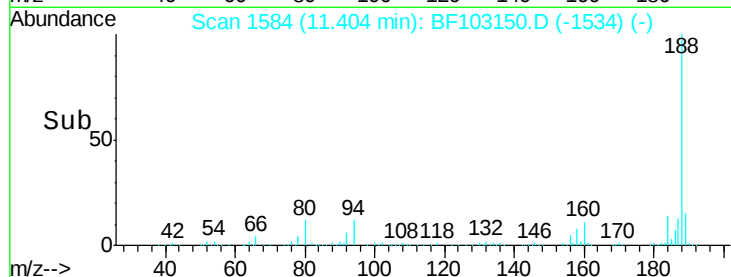
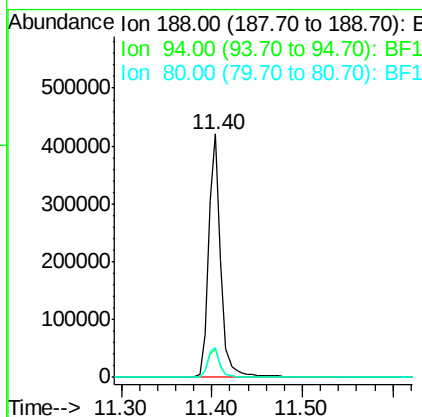
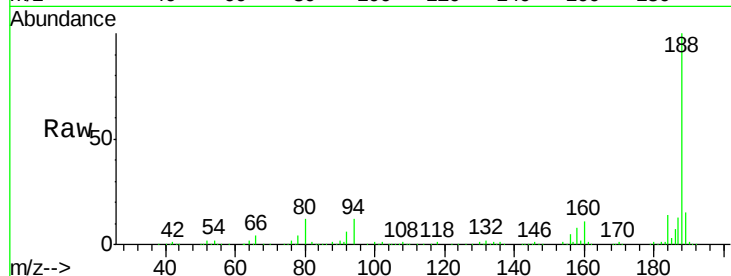




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103150.D
 Acq: 21 Feb 2018 21:25

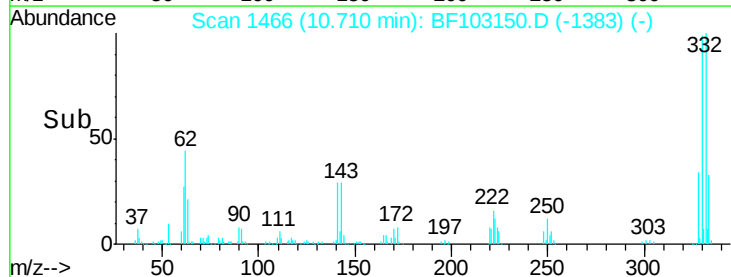
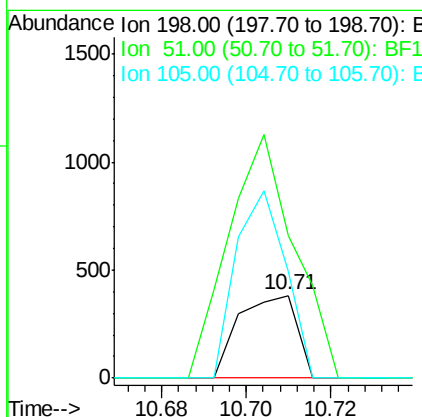
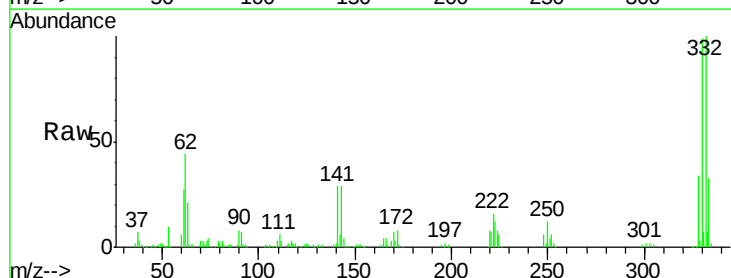
Instrument :
 BNA_F
 ClientSampleId :

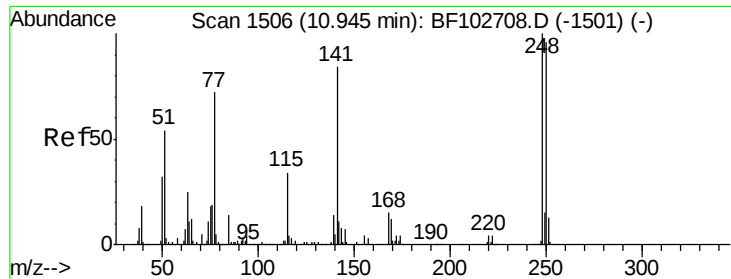
Tot Ion:188 Resp: 398184
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 12.1 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.996 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF103150.D
 Acq: 21 Feb 2018 21:25

Tgt Ion:198 Resp: 366
 Ion Ratio Lower Upper
 198 100
 51 172.1 37.7 77.7#
 105 128.1 36.3 76.3#

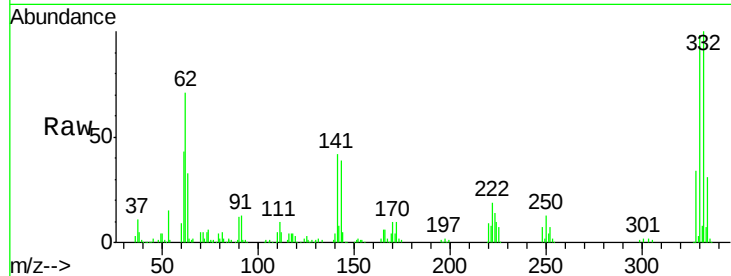




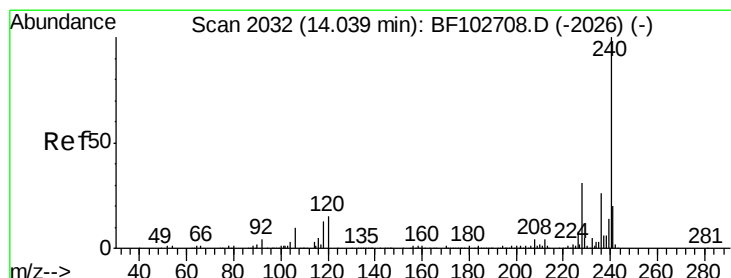
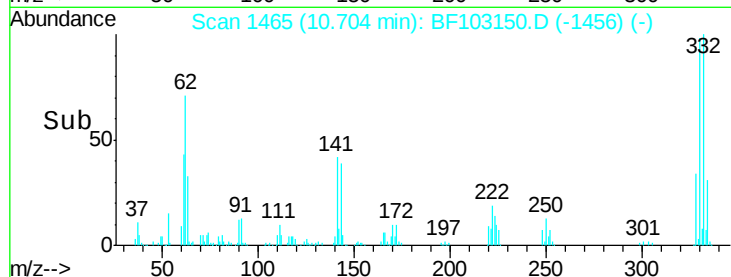
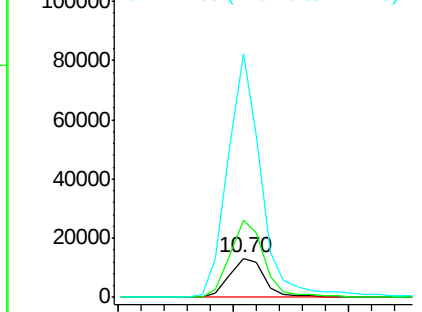
#66
 4-Bromophenyl-phenylether
 Concen: 3.279 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103150.D
 Acq: 21 Feb 2018 21:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13812
 Ion Ratio Lower Upper
 248 100
 250 196.9 76.9 115.3#
 141 618.6 74.4 111.6#

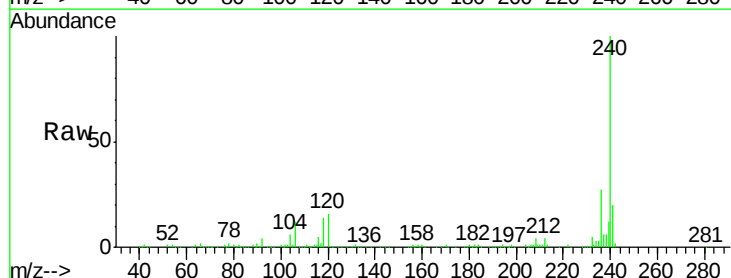


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

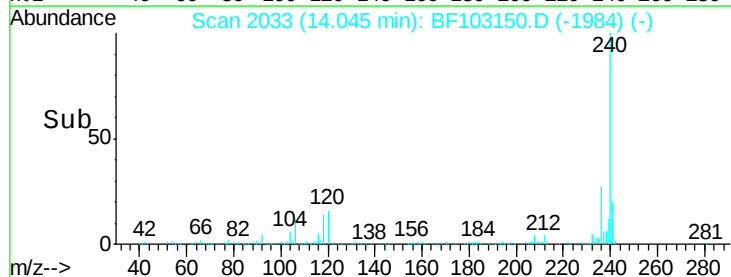
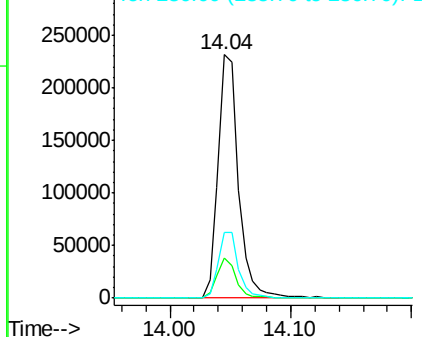


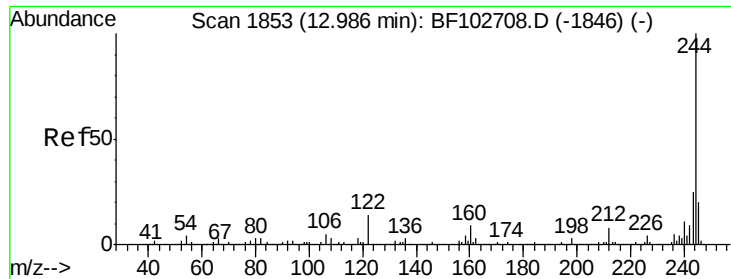
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF103150.D
 Acq: 21 Feb 2018 21:25

Tgt Ion:240 Resp: 269967
 Ion Ratio Lower Upper
 240 100
 120 16.3 9.5 14.3#
 236 27.0 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: 78.340 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103150.D

Acq: 21 Feb 2018 21:25

Instrument :

BNA_F

ClientSampleId :

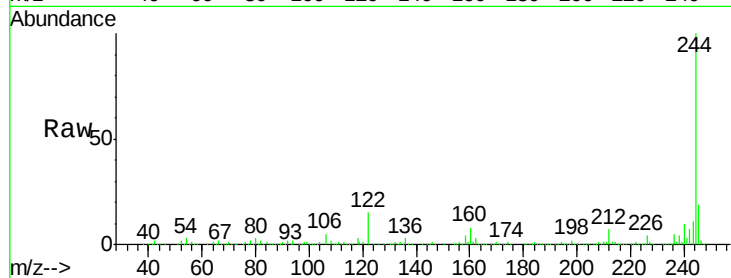
Tot Ion:244 Resp: 893213

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

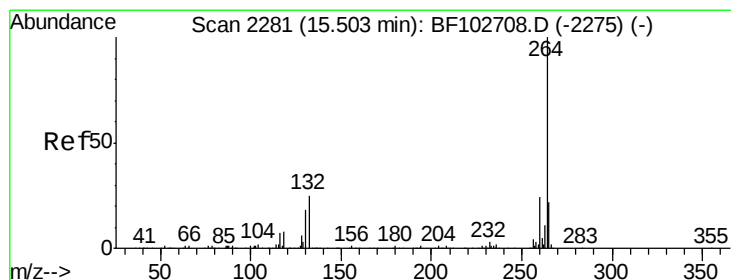
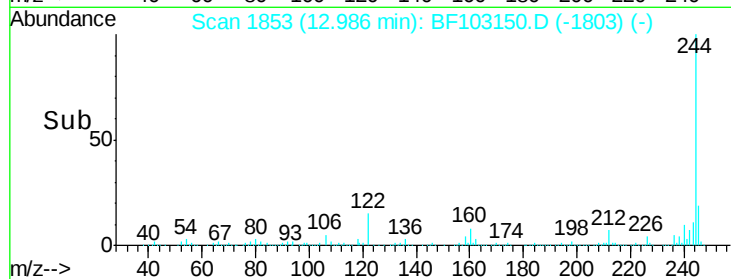
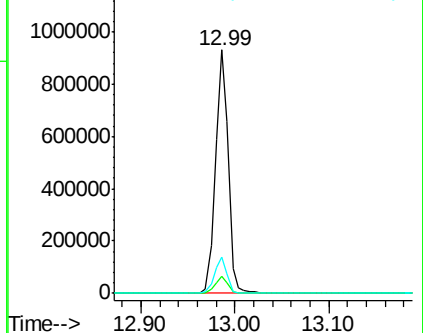
122 15.0 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.00 min

Lab File: BF103150.D

Acq: 21 Feb 2018 21:25

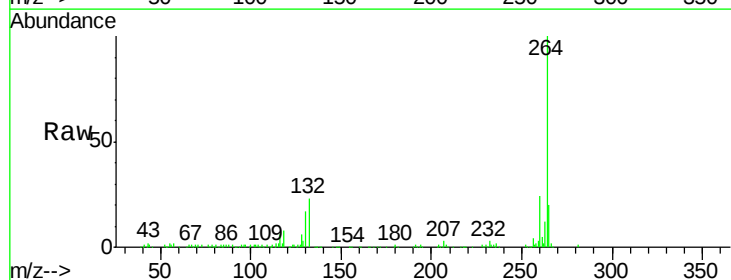
Tgt Ion:264 Resp: 218323

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 20.0 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

