

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102981.D
 Acq On : 14 Feb 2018 11:33
 Operator : SJ/JU
 Sample : J1518-04RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 12:40:17 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 00:38:27 2018
 Response via : Initial Calibration

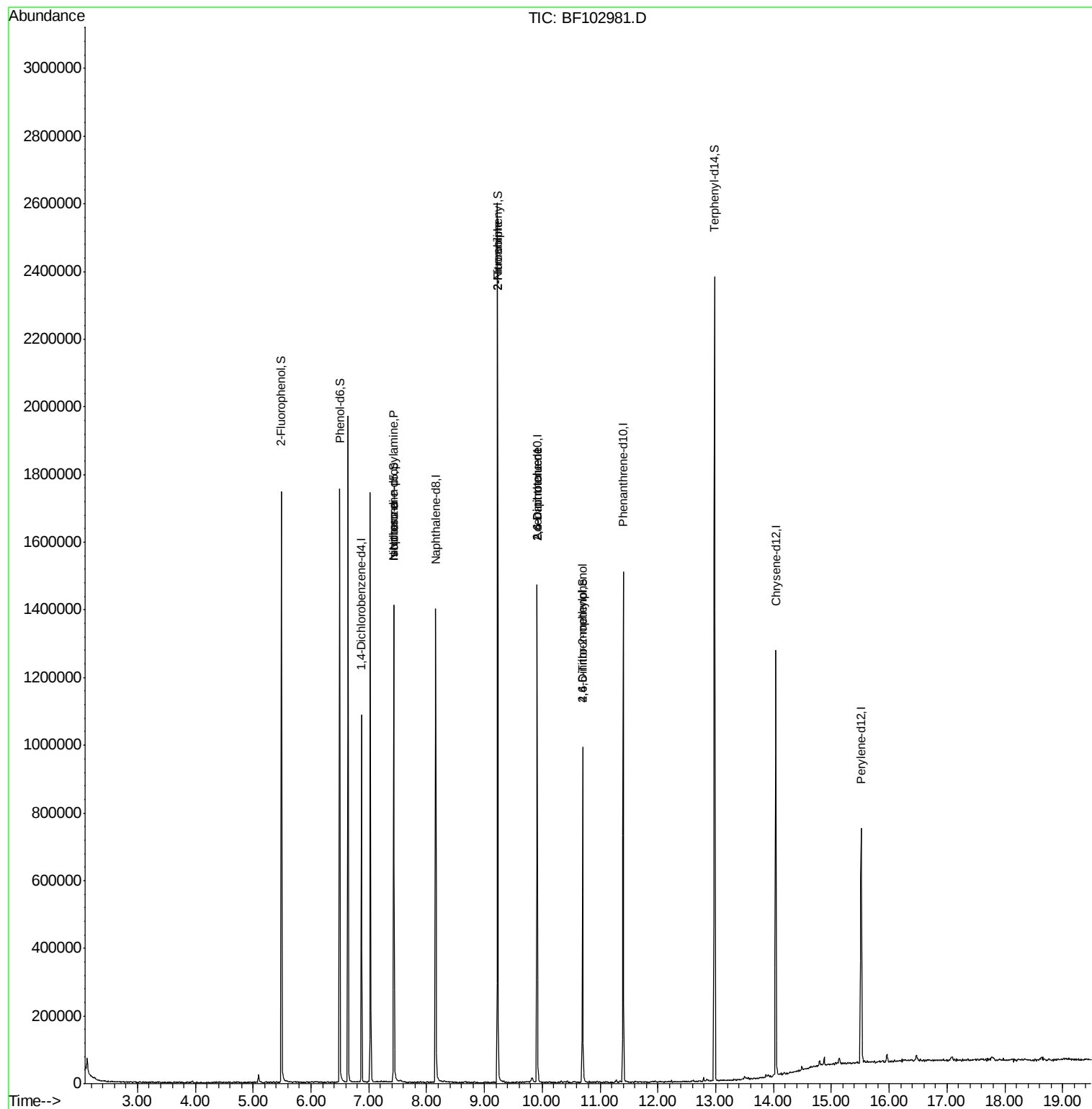
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	147002	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	617608	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	285225	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	520412	20.00	ng	0.00
75) Chrysene-d12	14.04	240	396628	20.00	ng	0.00
86) Perylene-d12	15.52	264	301173	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	469976	48.55	ng	0.00
7) Phenol-d6	6.50	99	548162	47.03	ng	0.00
23) Nitrobenzene-d5	7.43	82	406546	45.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	98495	42.90	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	722964	42.06	ng	-0.01
78) Terphenyl-d14	12.98	244	694450	41.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	51398	6.689	ng	# 81
25) Isophorone	7.43	82	406540	19.831	ng	# 64
47) 2-Nitroaniline	9.23	65	1220	3.666	ng	# 1
50) 2,6-Dinitrotoluene	9.91	165	35912	8.488	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	35912	8.999	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	135	8.850	ng	# 1

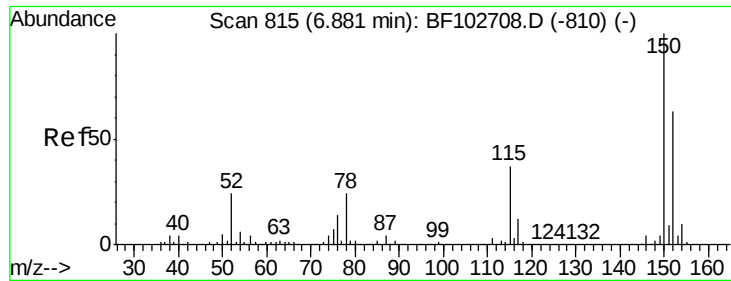
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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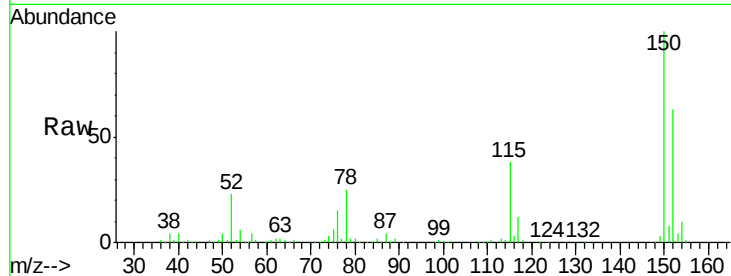


#1

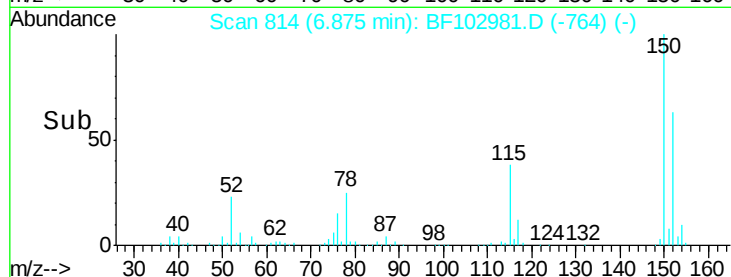
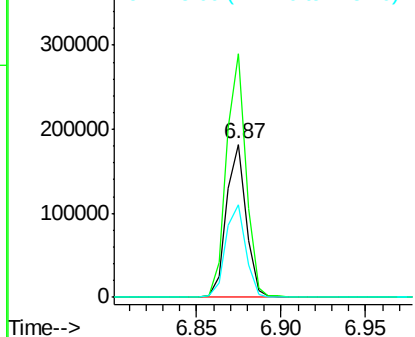
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102981.D
Acq: 14 Feb 2018 11:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	60.2	50.1	75.1



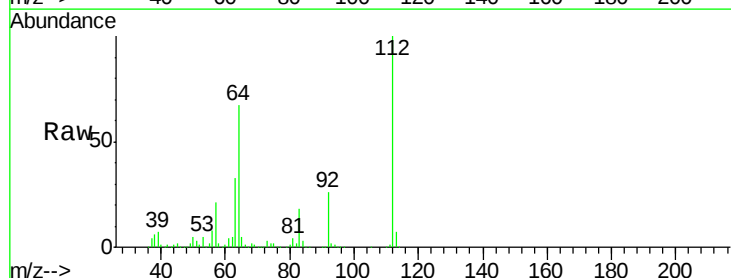
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



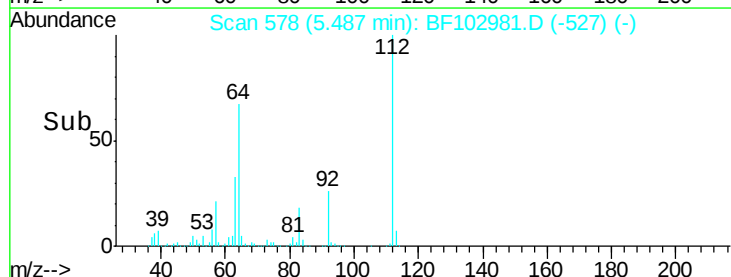
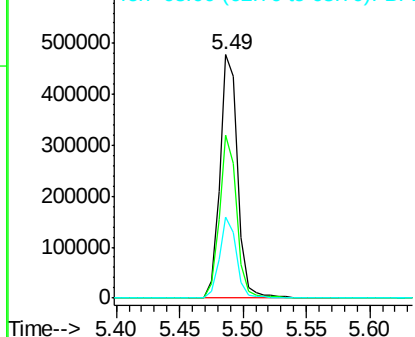
#5

2-Fluorophenol
Concen: 48.553 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF102981.D
Acq: 14 Feb 2018 11:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	47.9	71.9
63	33.3	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: 47.032 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF102981.D

Acq: 14 Feb 2018 11:33

Instrument :

BNA_F

ClientSampleId :

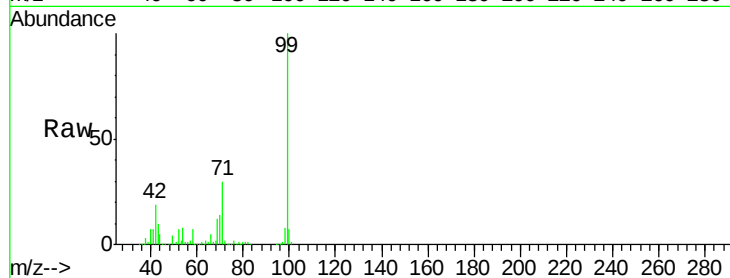
Tot Ion: 99 Resp: 548162

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

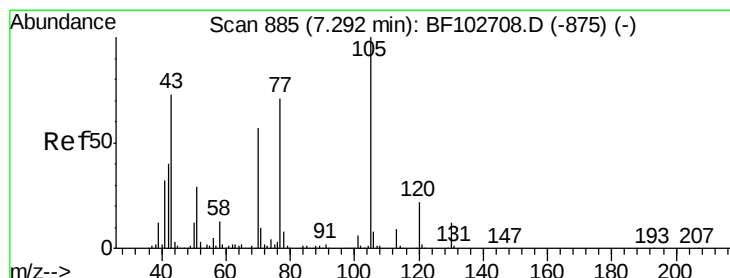
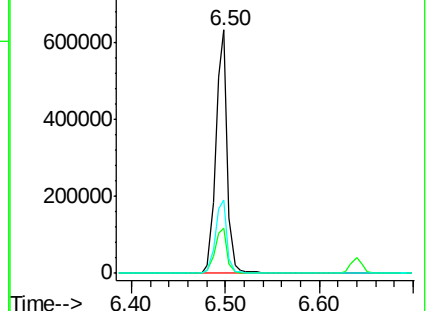
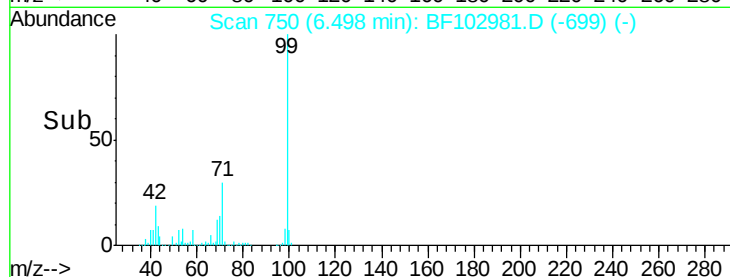
71 30.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.689 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF102981.D

Acq: 14 Feb 2018 11:33

Tgt Ion: 70 Resp: 51398

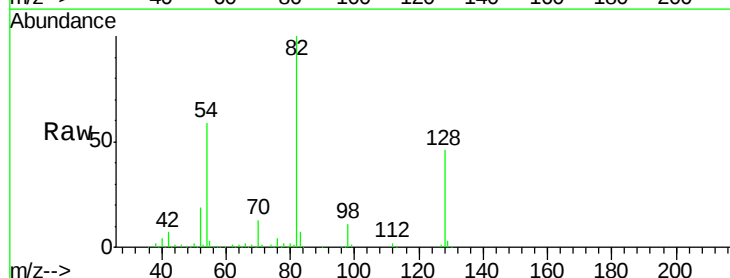
Ion Ratio Lower Upper

70 100

42 51.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

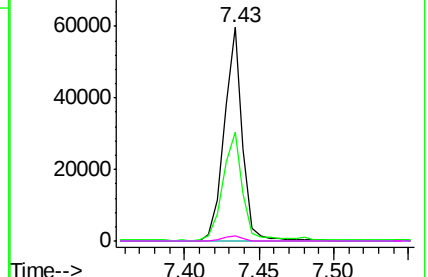
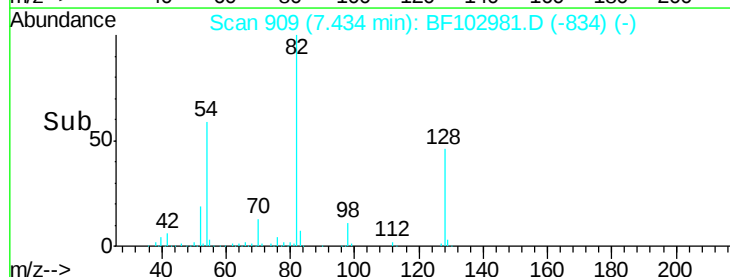


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

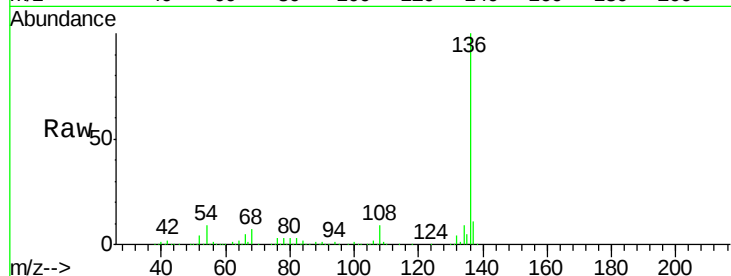




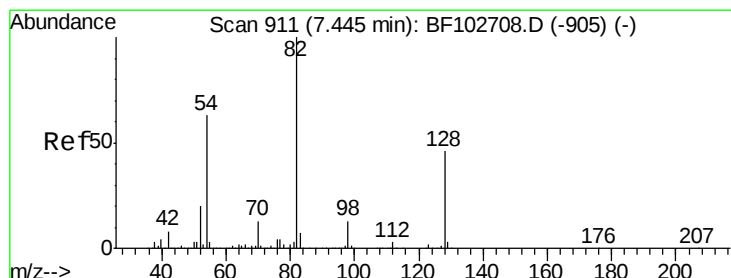
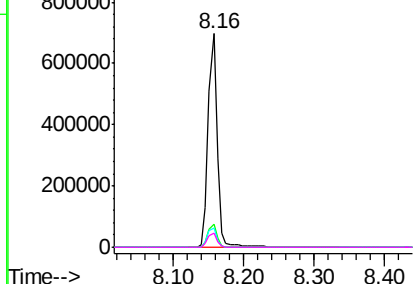
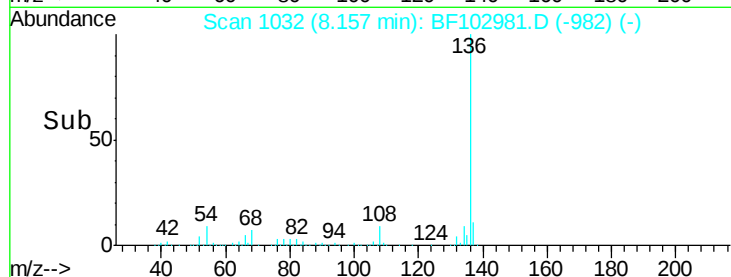
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102981.D
Acq: 14 Feb 2018 11:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	617608
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	9.1	6.6 9.8
68	6.6	5.0 7.4

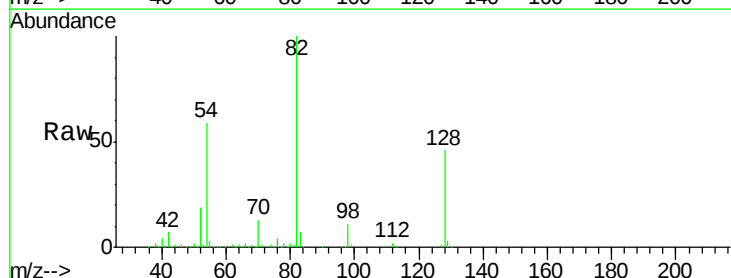


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

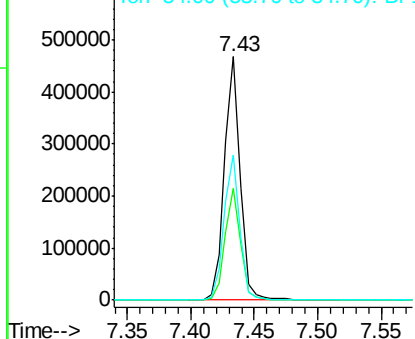
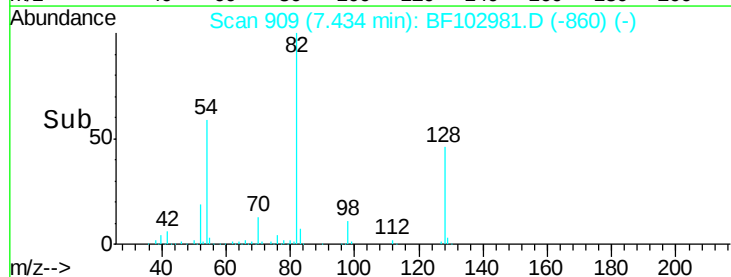


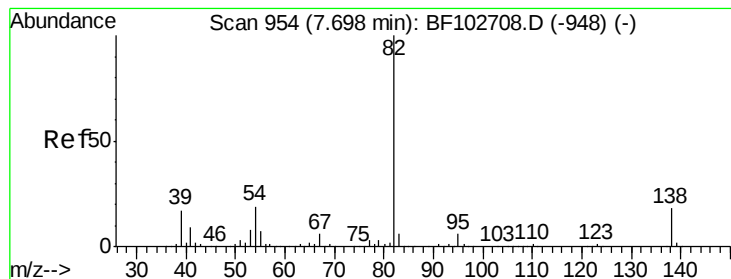
#23
Nitrobenzene-d5
Concen: 45.664 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF102981.D
Acq: 14 Feb 2018 11:33

Tgt Ion: 82	Resp:	406546
Ion Ratio	Lower	Upper
82	100	
128	45.9	36.1 54.1
54	59.4	41.4 62.2



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





#25

Isophorone

Concen: 19.831 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF102981.D

Acq: 14 Feb 2018 11:33

Instrument :

BNA_F

ClientSampleId :

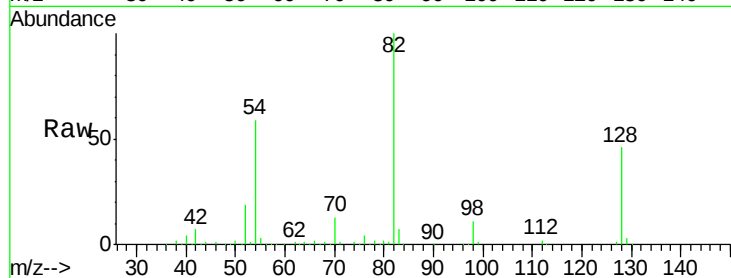
Tot Ion: 82 Resp: 406540

Ion Ratio Lower Upper

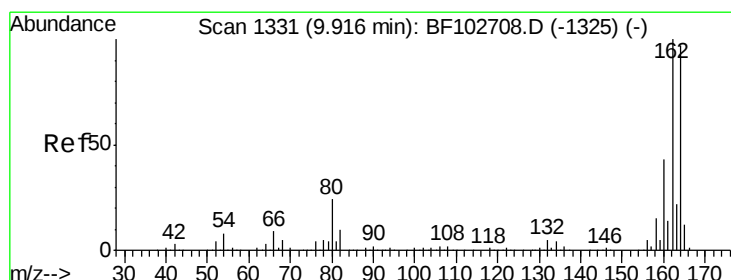
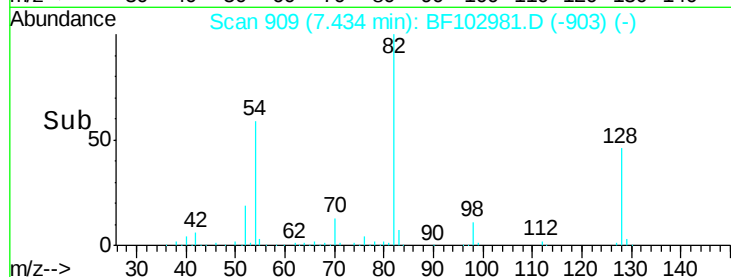
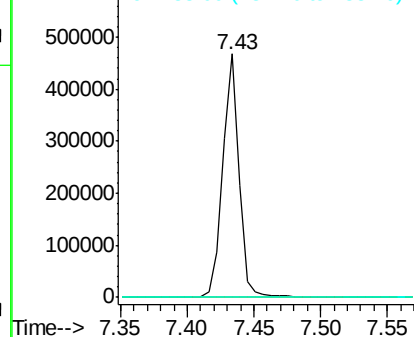
82 100

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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF102981.D

Acq: 14 Feb 2018 11:33

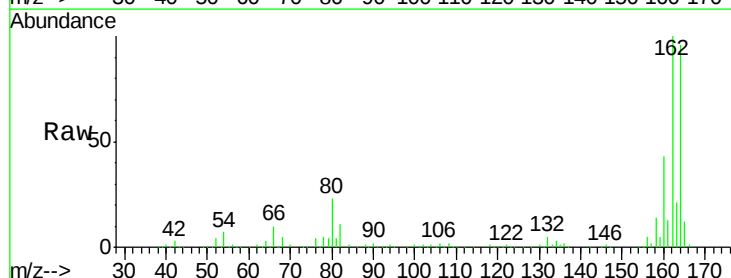
Tgt Ion: 164 Resp: 285225

Ion Ratio Lower Upper

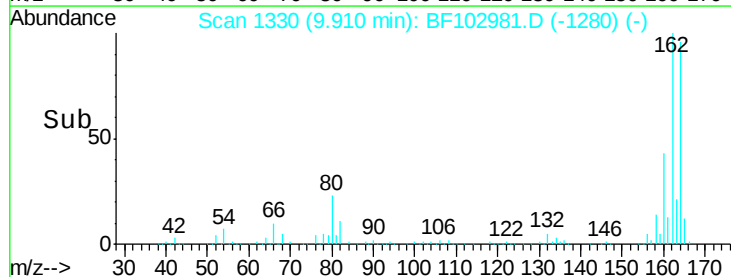
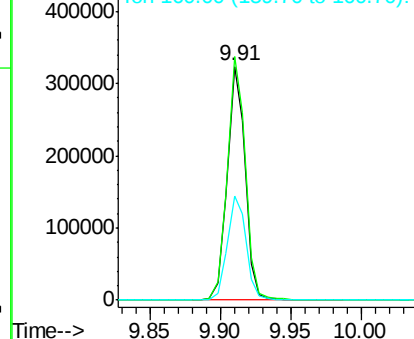
164 100

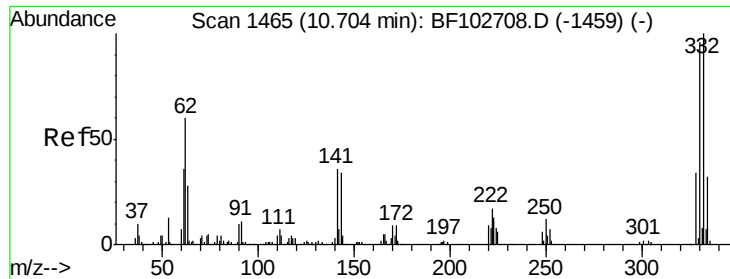
162 104.1 86.1 129.1

160 44.4 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

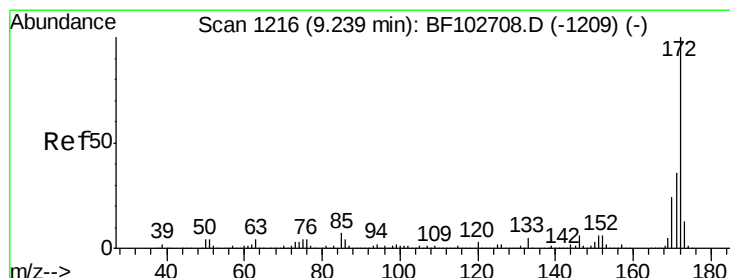
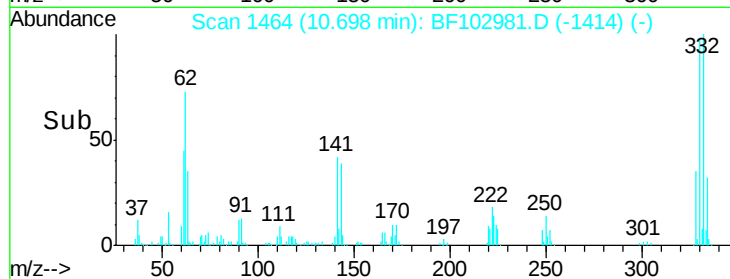
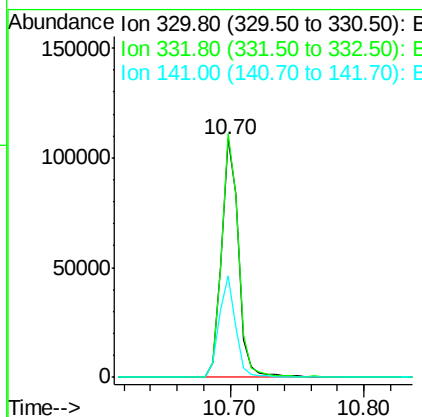
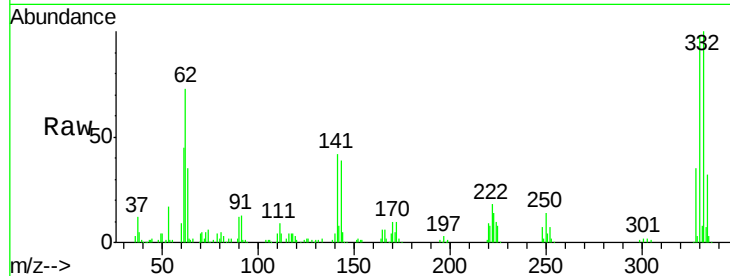




#41
 2,4,6-Tribromophenol
 Concen: 42.904 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF102981.D
 Acq: 14 Feb 2018 11:33

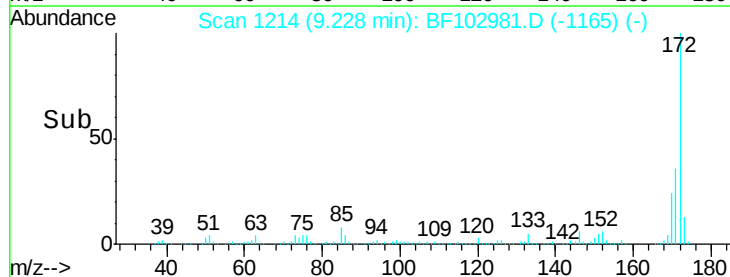
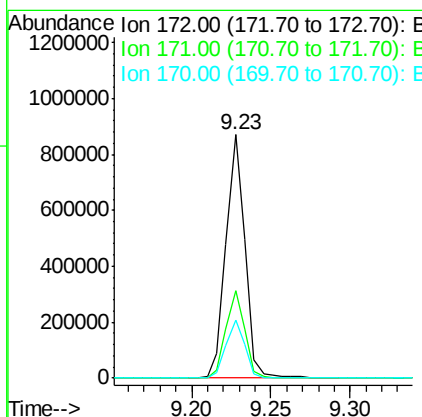
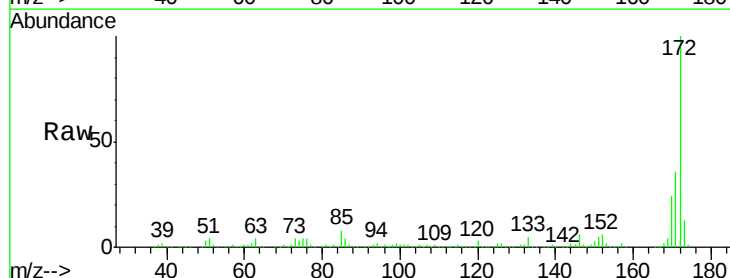
Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.1	77.0	115.6
141	40.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 42.060 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF102981.D
 Acq: 14 Feb 2018 11:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.9	19.6	29.4





#47

2-Nitroaniline

Concen: 3.666 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.23 min

Lab File: BF102981.D

Acq: 14 Feb 2018 11:33

Instrument :

BNA_F

ClientSampleId :

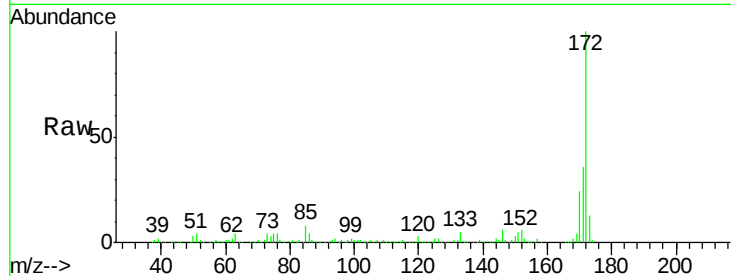
Tot Ion: 65 Resp: 1220

Ion Ratio Lower Upper

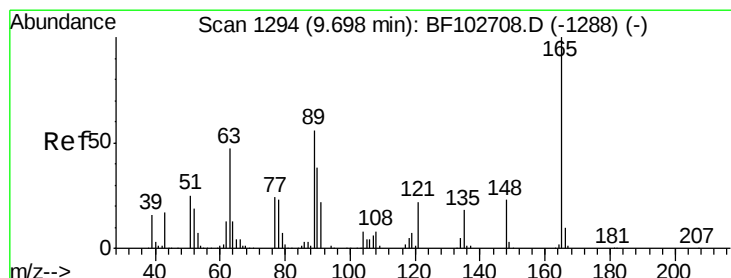
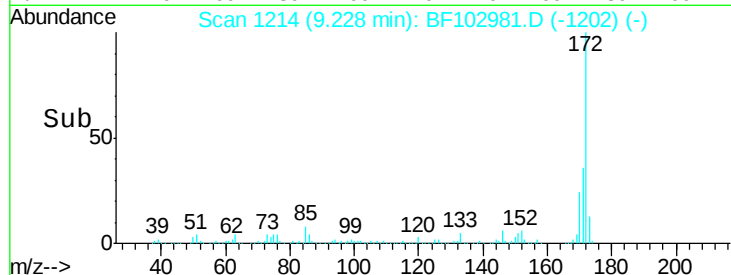
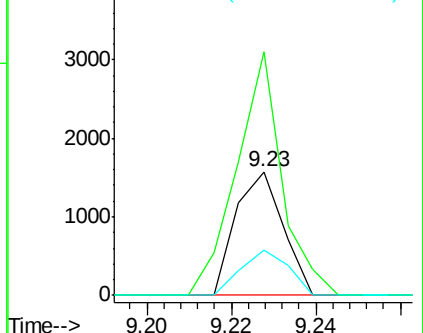
65 100

92 197.3 55.8 83.6#

138 37.2 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): BF1



#50

2,6-Dinitrotoluene

Concen: 8.488 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF102981.D

Acq: 14 Feb 2018 11:33

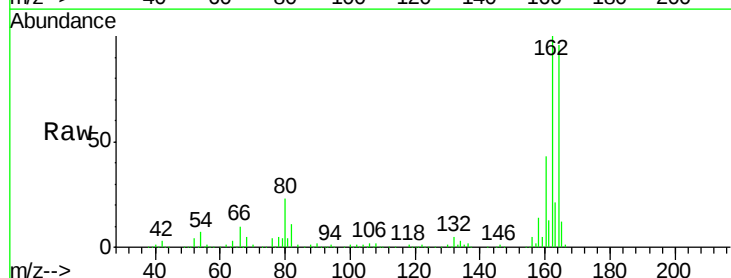
Tgt Ion:165 Resp: 35912

Ion Ratio Lower Upper

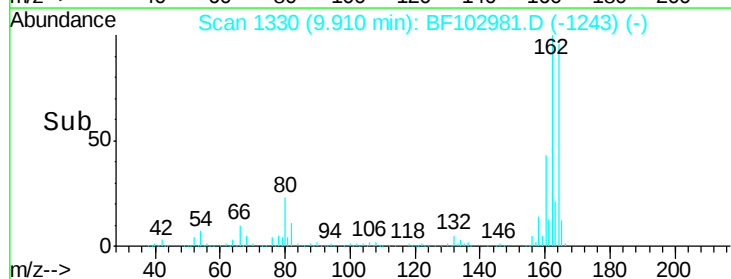
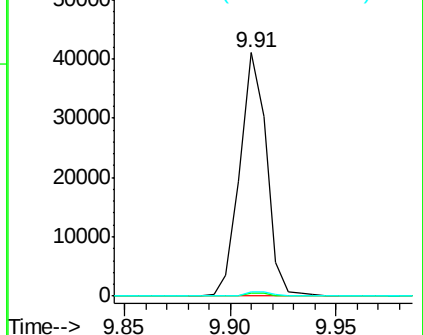
165 100

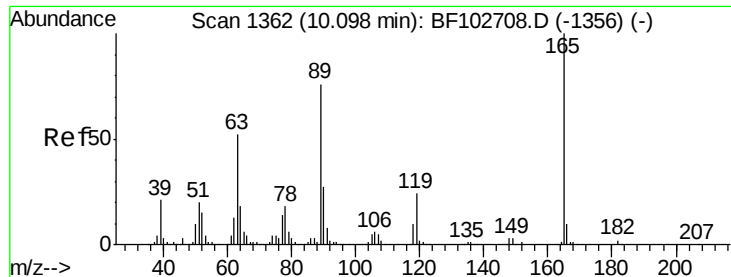
63 1.1 44.7 67.1#

89 1.7 44.0 66.0#



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

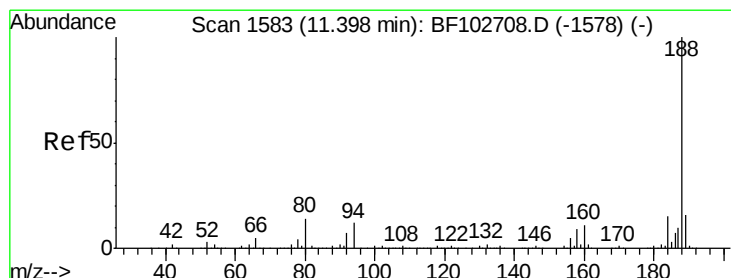
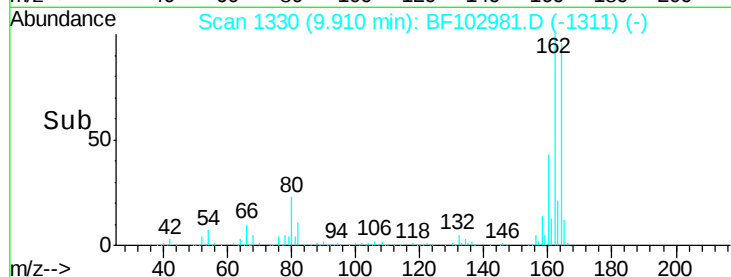
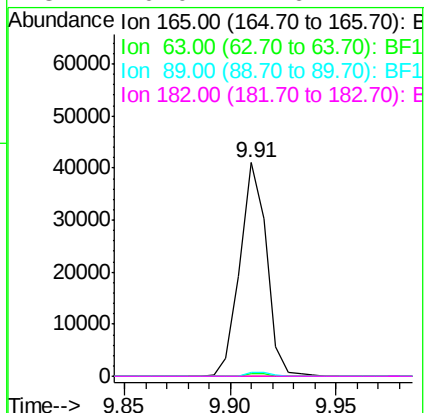
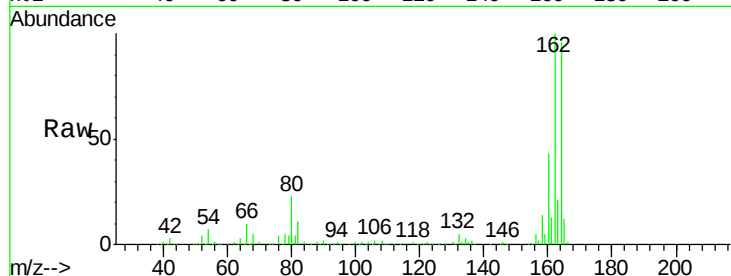




#56
 2,4-Dinitrotoluene
 Concen: 8.999 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF102981.D
 Acq: 14 Feb 2018 11:33

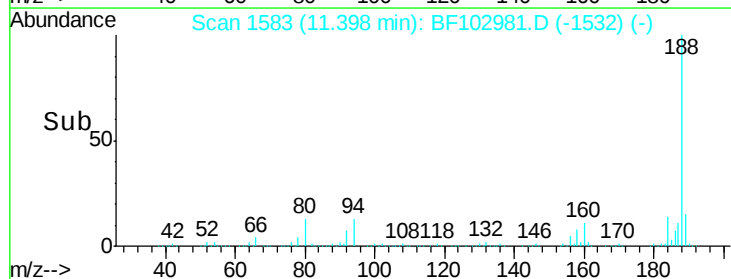
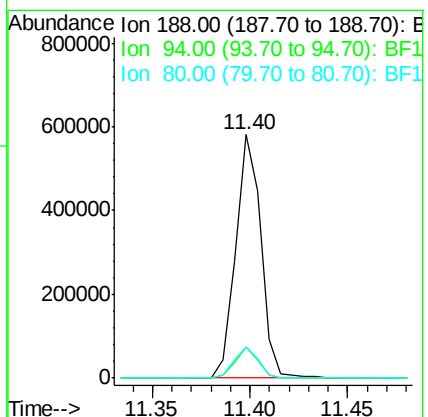
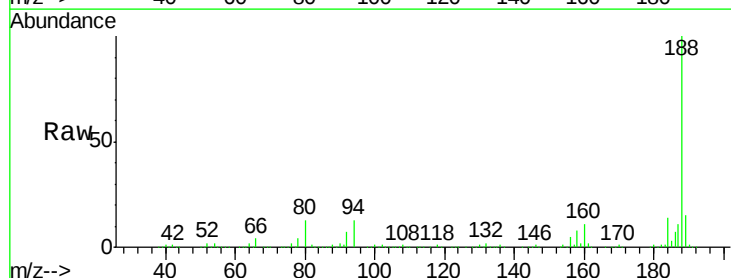
Instrument :
 BNA_F
 ClientSampleId :

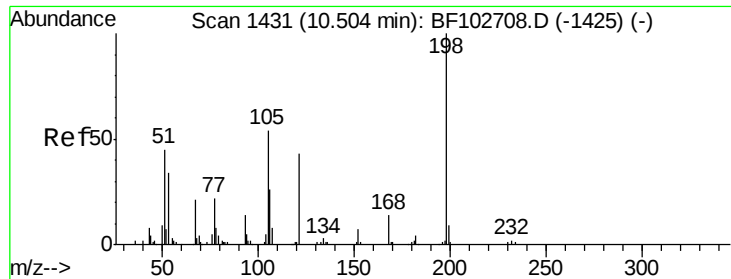
Tot Ion:165 Resp: 35912
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.7 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF102981.D
 Acq: 14 Feb 2018 11:33

Tgt Ion:188 Resp: 520412
 Ion Ratio Lower Upper
 188 100
 94 12.7 8.5 12.7
 80 12.9 9.2 13.8

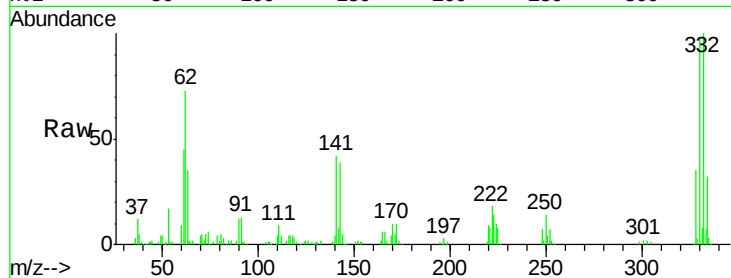




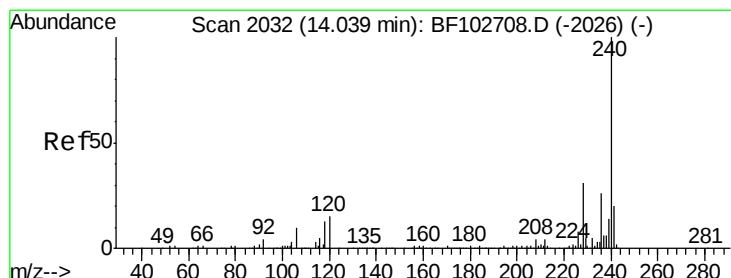
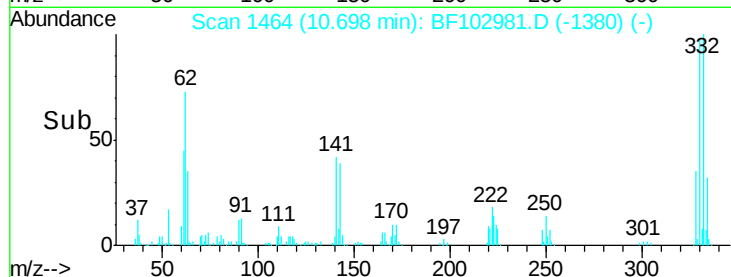
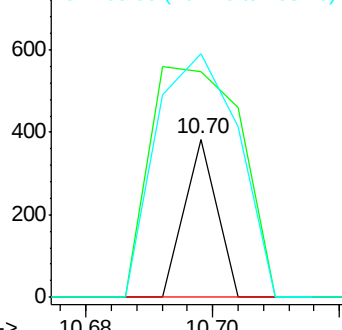
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.850 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.20 min
 Lab File: BF102981.D
 Acq: 14 Feb 2018 11:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	143.1	37.7	77.7#
105	154.3	36.3	76.3#

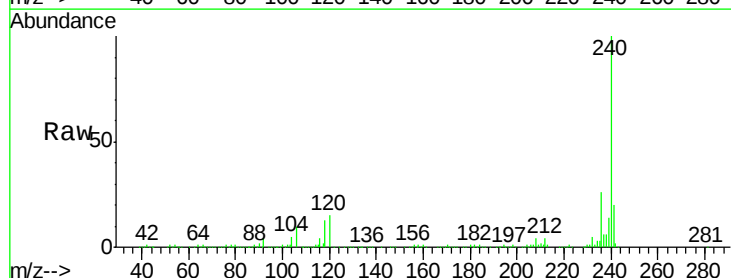


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

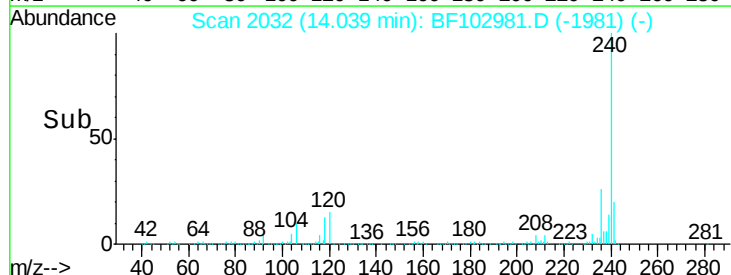
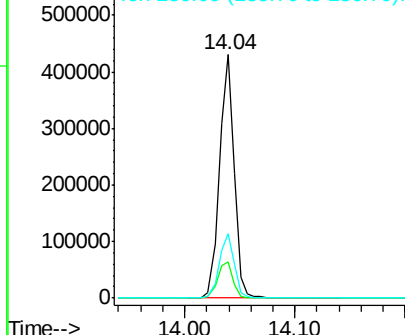


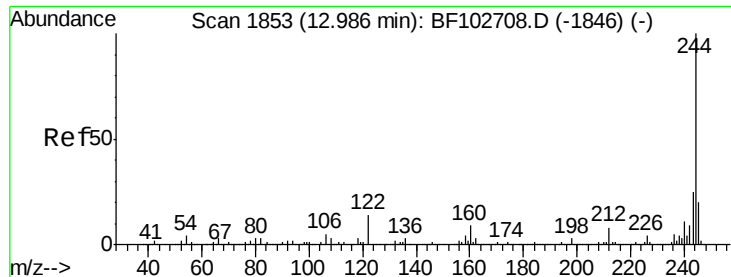
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. 0.00 min
 Lab File: BF102981.D
 Acq: 14 Feb 2018 11:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	26.3	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

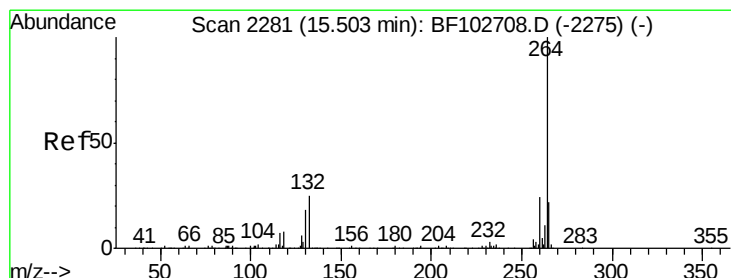
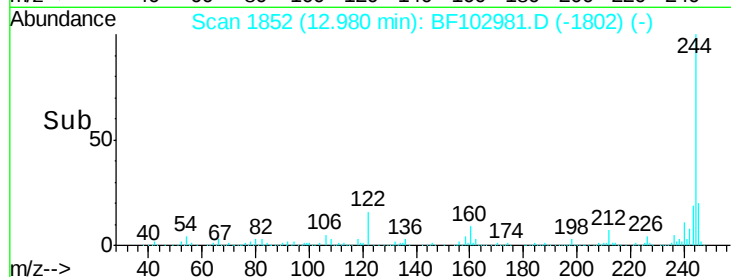
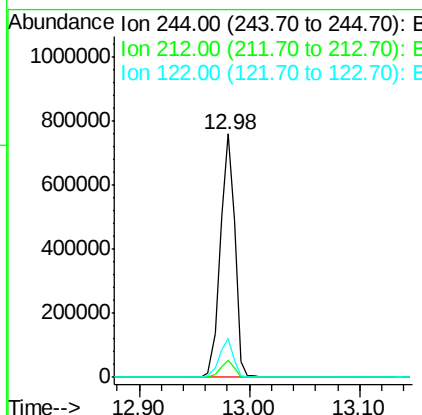
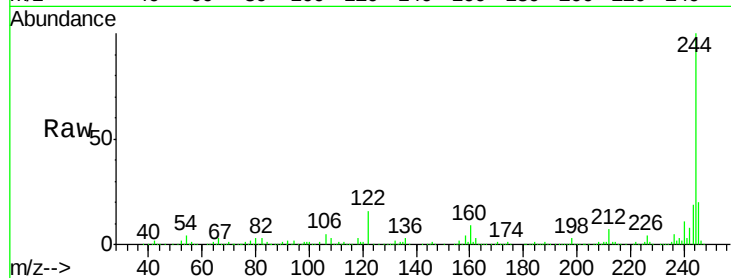




#78
 Terphenyl-d14
 Concen: 41.457 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF102981.D
 Acq: 14 Feb 2018 11:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 694450
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 16.0 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. 0.01 min
 Lab File: BF102981.D
 Acq: 14 Feb 2018 11:33

Tgt Ion:264 Resp: 301173
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.4 17.5 26.3

