

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103242.D
 Acq On : 27 Feb 2018 2:22
 Operator : SJ/JU
 Sample : J1649-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 04:31:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

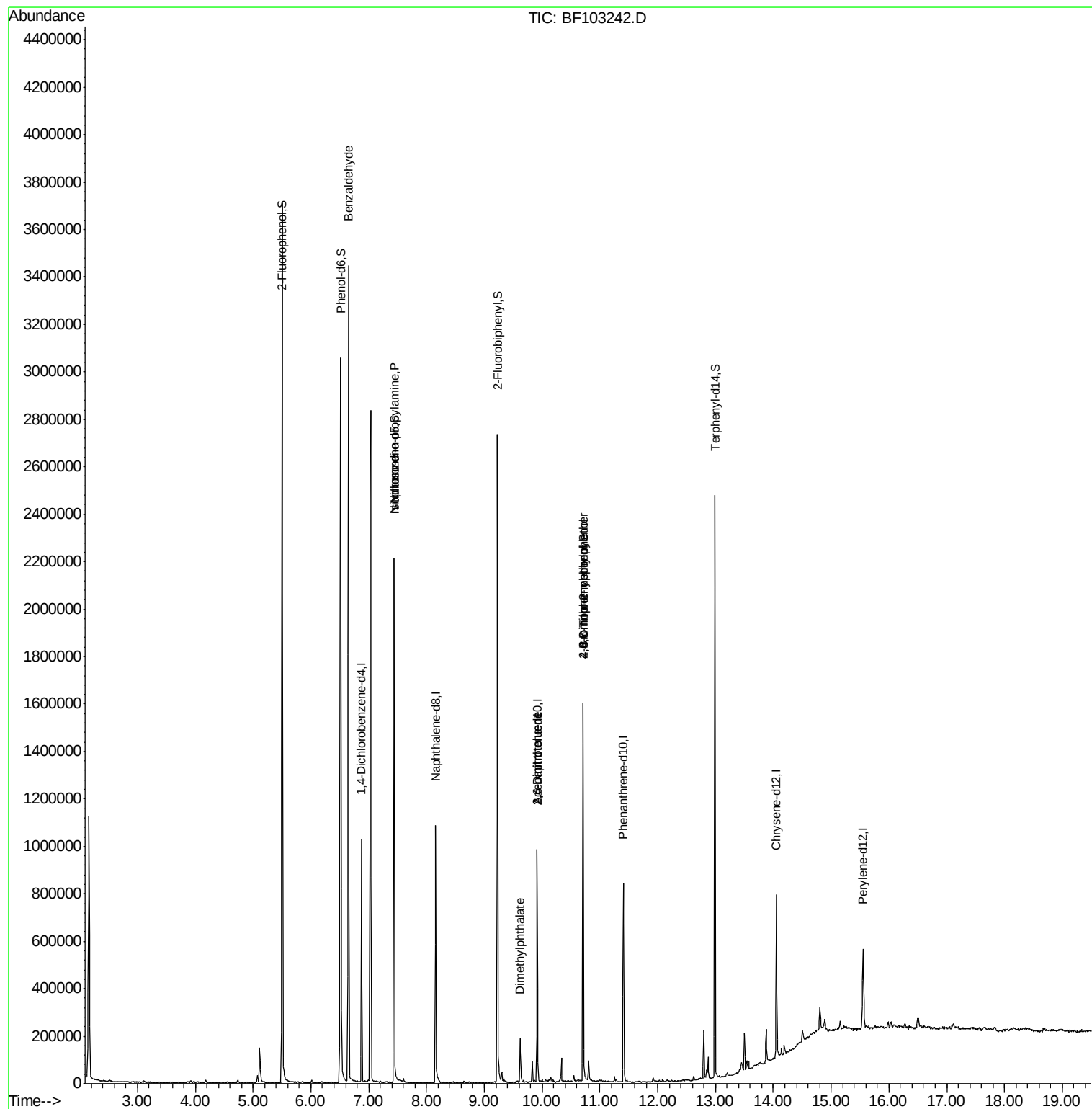
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	133774	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	502490	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	183944	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	308111	20.00	ng	0.00
75) Chrysene-d12	14.06	240	226436	20.00	ng	0.00
86) Perylene-d12	15.56	264	158214	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1079346	122.03	ng	0.02
7) Phenol-d6	6.52	99	1244451	114.98	ng	0.01
23) Nitrobenzene-d5	7.44	82	729508	82.91	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	187425	120.38	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	923751	86.97	ng	0.00
78) Terphenyl-d14	12.99	244	826312	87.72	ng	0.00
Target Compounds						
9) Benzaldehyde	6.65	77	21640	2.11	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.44	70	95964	14.25	ng	# 81
25) Isophorone	7.44	82	729498	42.10	ng	# 64
49) Dimethylphthalate	9.62	163	70515	4.78	ng	99
50) 2,6-Dinitrotoluene	9.92	165	22659	7.32	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	22659	5.79	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	406	5.14	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	11738	3.66	ng	# 1

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

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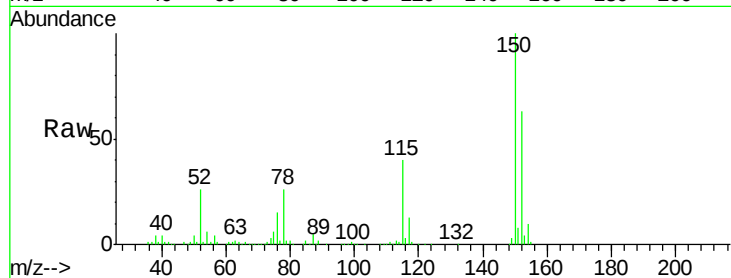


#1

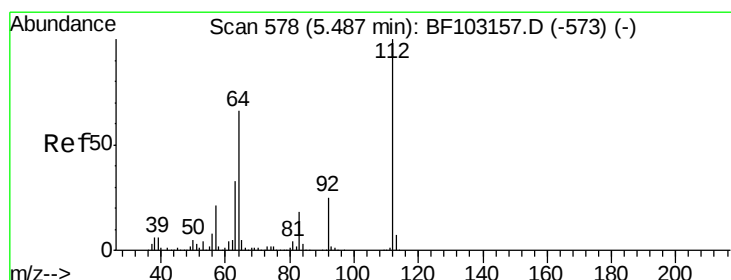
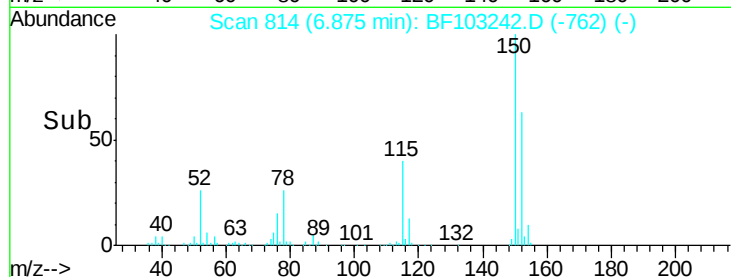
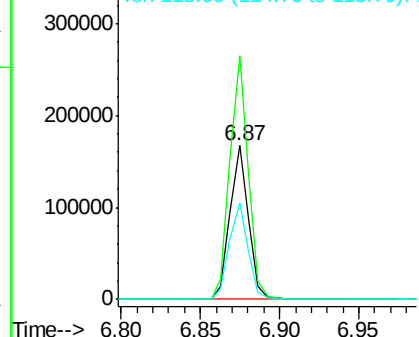
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103242.D
Acq: 27 Feb 2018 2:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133774
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 62.6 50.1 75.1



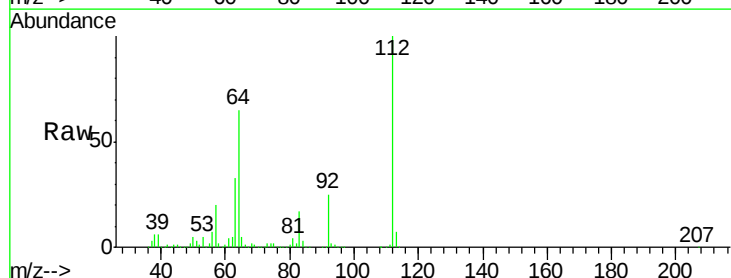
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



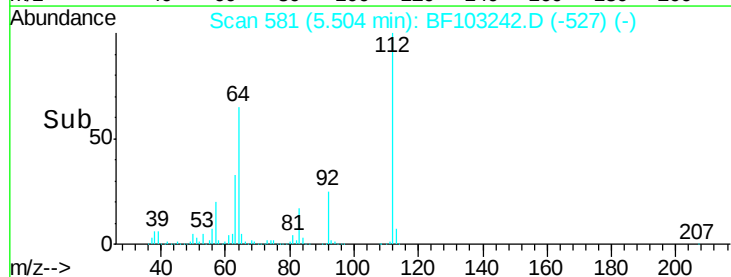
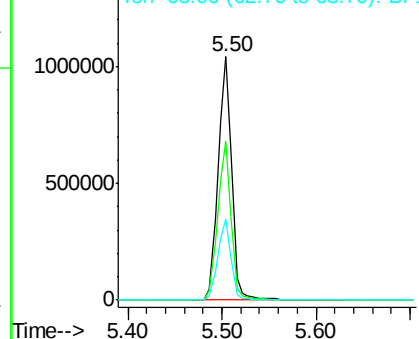
#5

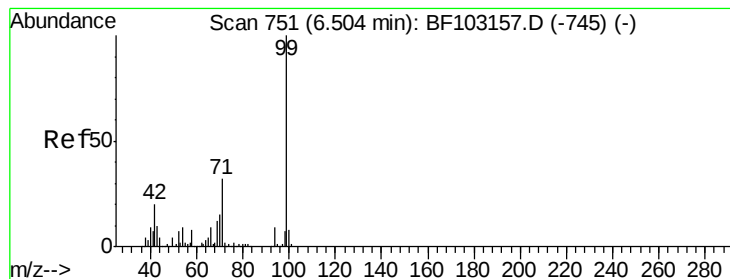
2-Fluorophenol
Concen: 122.03 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF103242.D
Acq: 27 Feb 2018 2:22

Tgt Ion:112 Resp: 1079346
Ion Ratio Lower Upper
112 100
64 65.4 47.9 71.9
63 33.1 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: 114.98 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103242.D

Acq: 27 Feb 2018 2:22

Instrument :

BNA_F

ClientSampled :

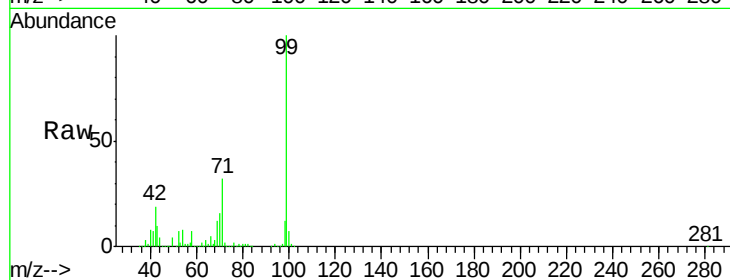
Tot Ion: 99 Resp: 1244451

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

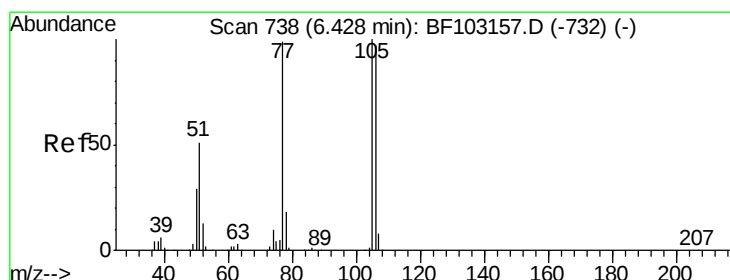
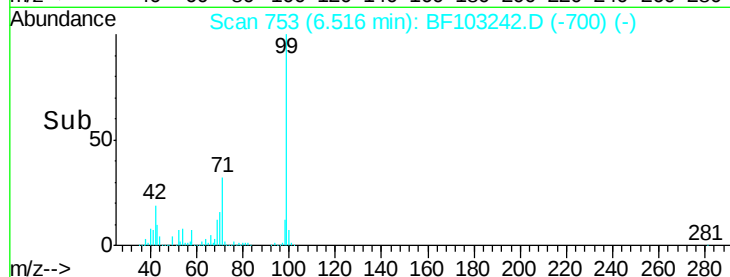
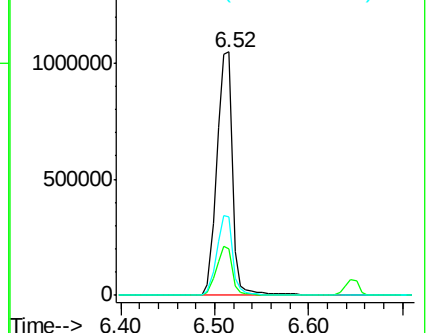
71 32.4 25.4 38.0



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: 2.11 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103242.D

Acq: 27 Feb 2018 2:22

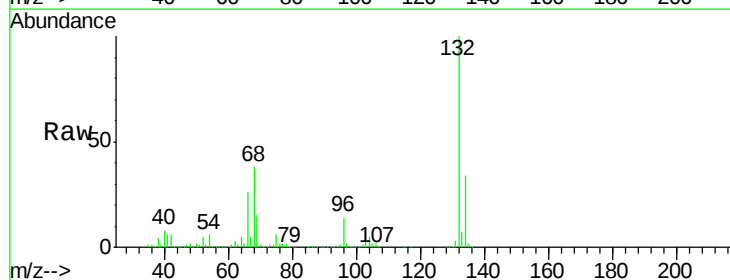
Tgt Ion: 77 Resp: 21640

Ion Ratio Lower Upper

77 100

105 82.5 81.1 121.1

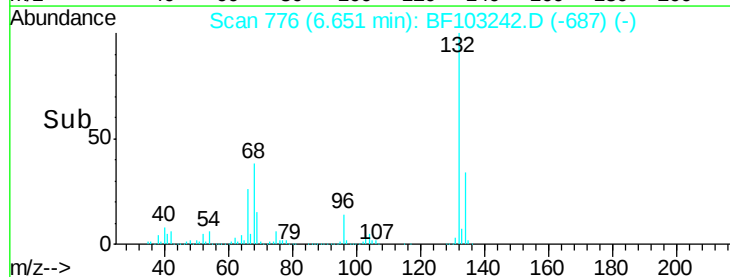
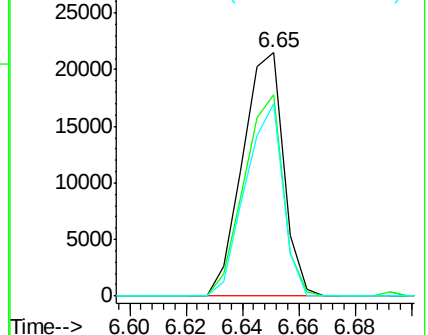
106 79.3 74.5 114.5

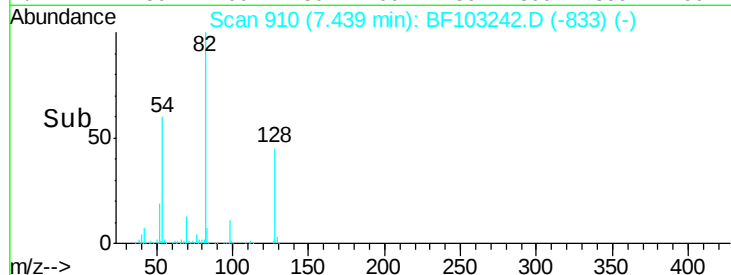
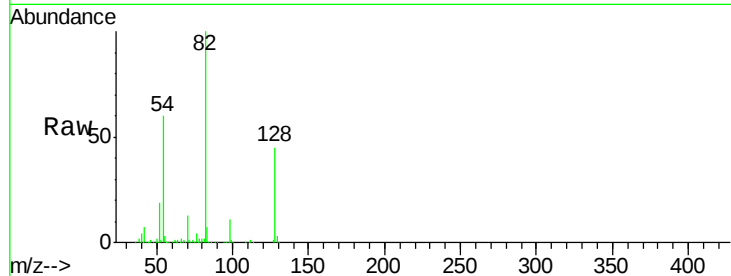
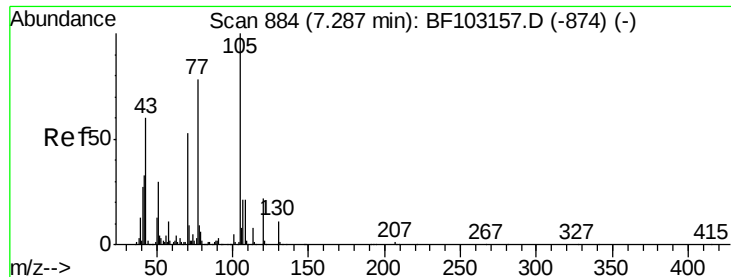


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

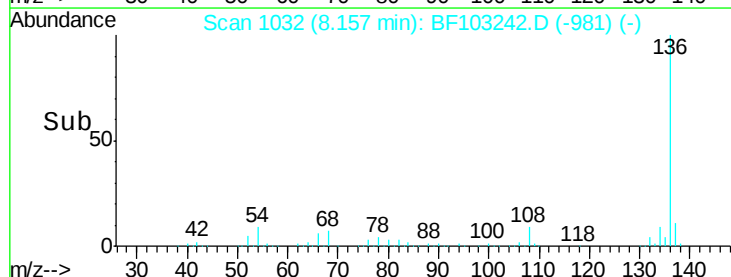
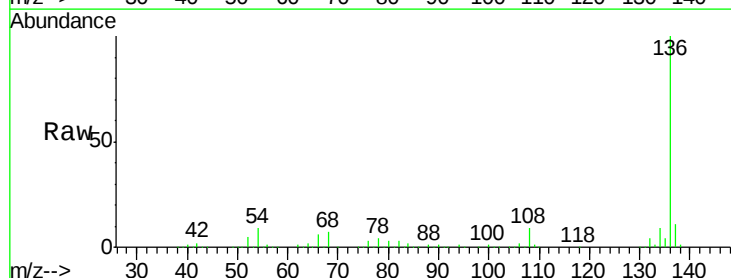
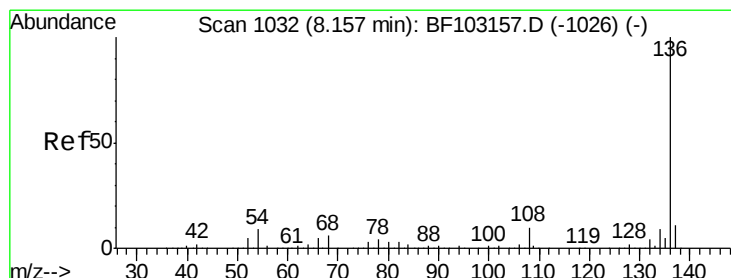
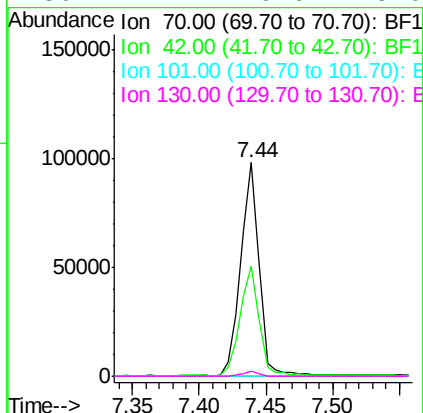




#19
n-Nitroso-di-n-propylamine
Concen: 14.25 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103242.D
Acq: 27 Feb 2018 2:22

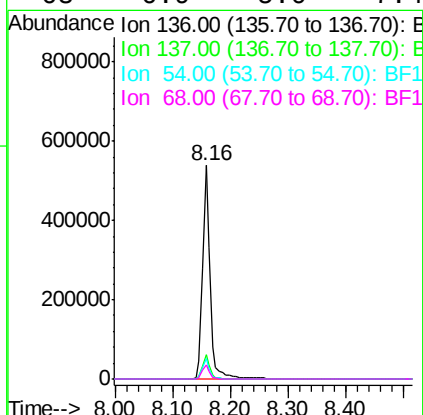
Instrument :
BNA_F
ClientSampled :

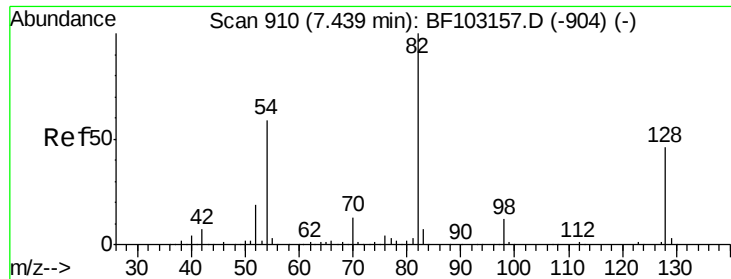
Tot Ion: 70 Resp: 95964
Ion Ratio Lower Upper
70 100
42 51.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103242.D
Acq: 27 Feb 2018 2:22

Tgt Ion: 136 Resp: 502490
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.4 6.6 9.8
68 6.9 5.0 7.4

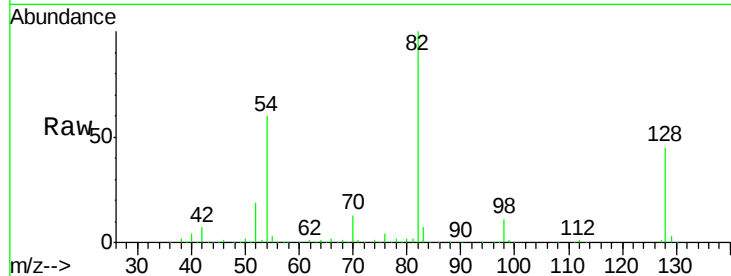




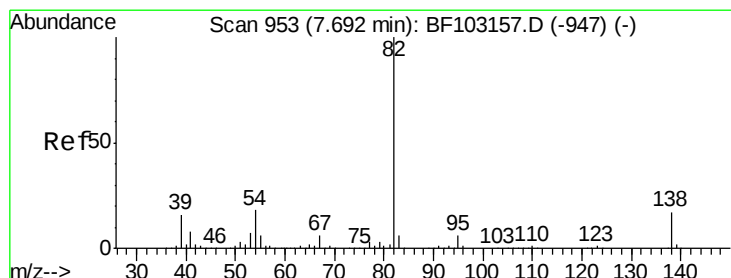
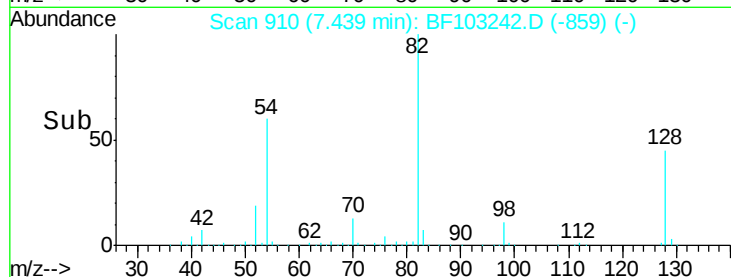
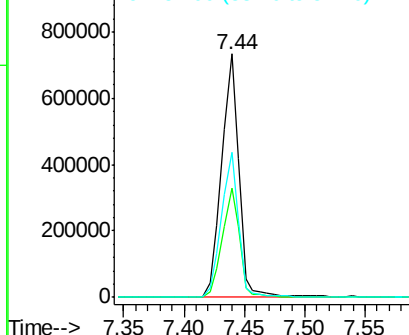
#23
 Nitrobenzene-d5
 Concen: 82.91 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF103242.D
 Acq: 27 Feb 2018 2:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	729508
Ion Ratio	Lower	Upper	
82	100		
128	44.9	36.1	54.1
54	59.6	41.4	62.2

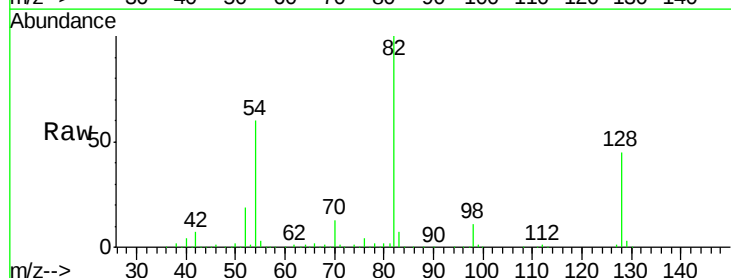


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

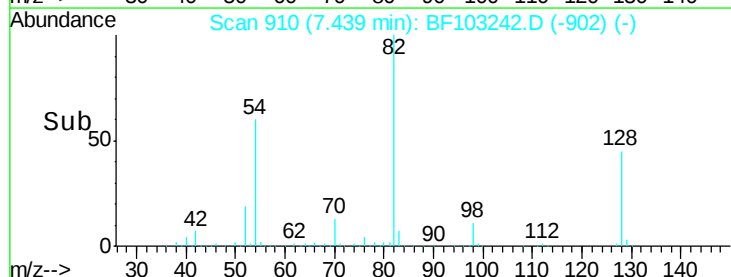
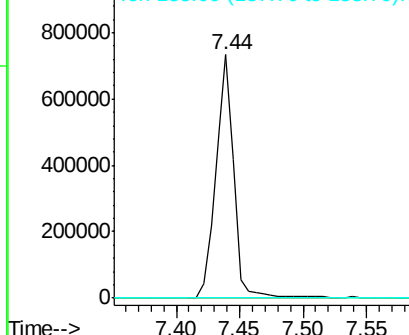


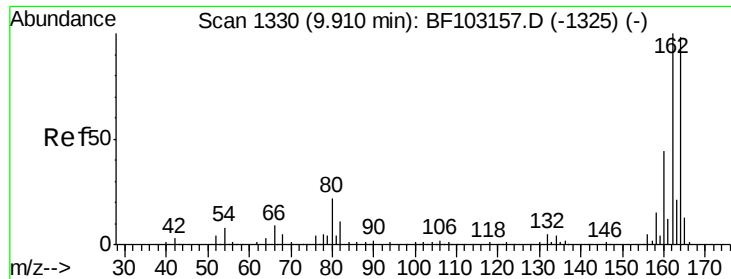
#25
 Isophorone
 Concen: 42.10 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.25 min
 Lab File: BF103242.D
 Acq: 27 Feb 2018 2:22

Tgt Ion	82	Resp	729498
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

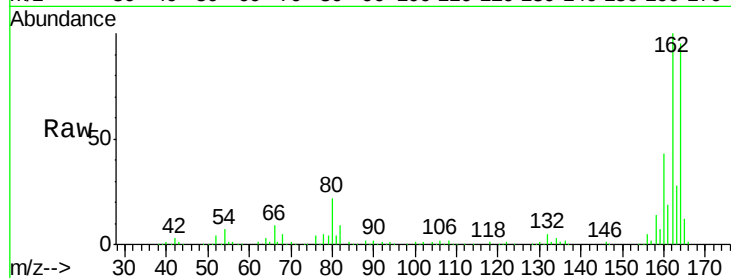




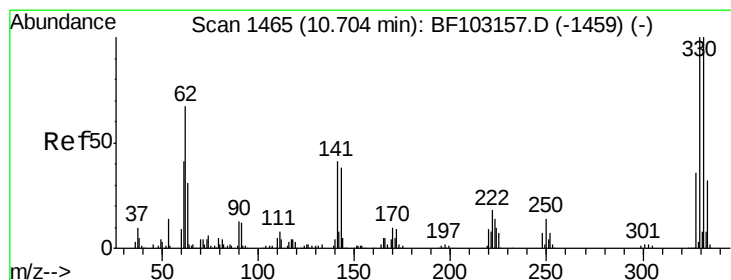
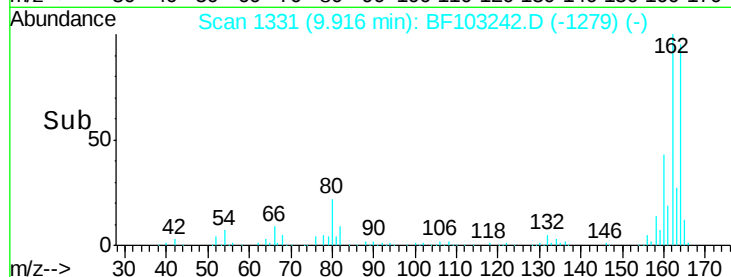
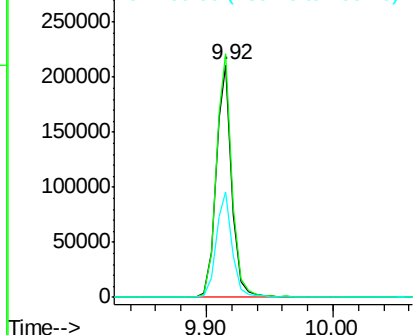
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF103242.D
 Acq: 27 Feb 2018 2:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 183944
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 45.3 38.3 57.5

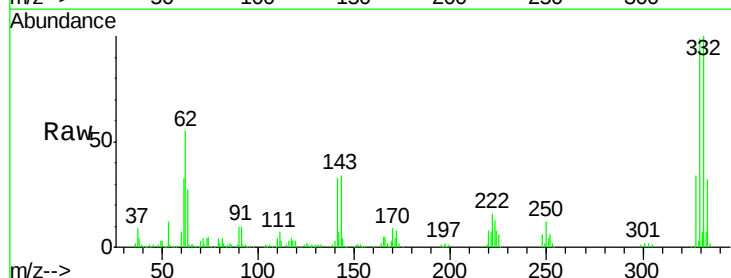


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

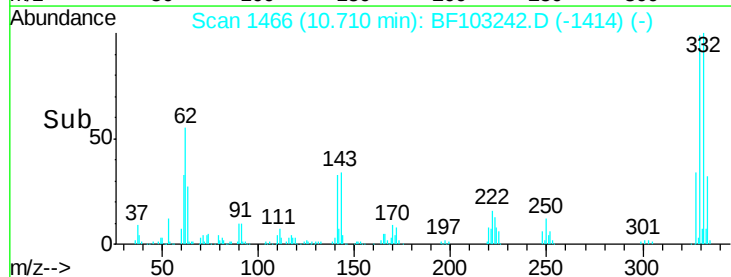
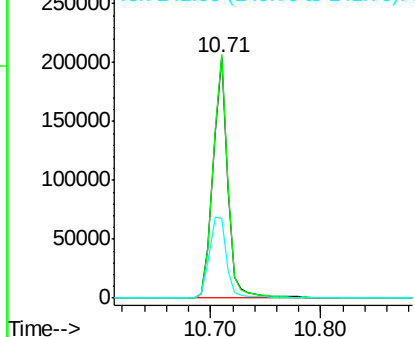


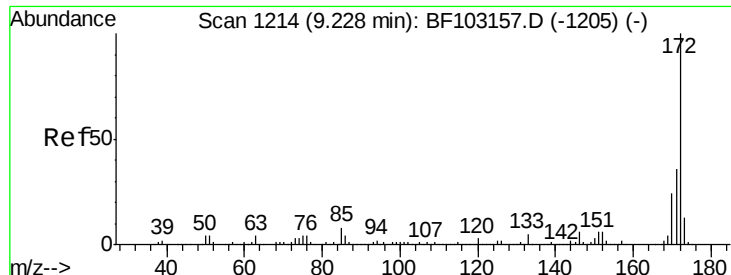
#41
 2,4,6-Tribromophenol
 Concen: 120.38 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103242.D
 Acq: 27 Feb 2018 2:22

Tgt Ion:330 Resp: 187425
 Ion Ratio Lower Upper
 330 100
 332 101.0 77.0 115.6
 141 39.3 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

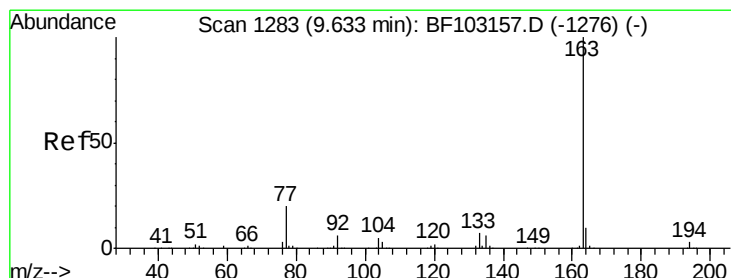
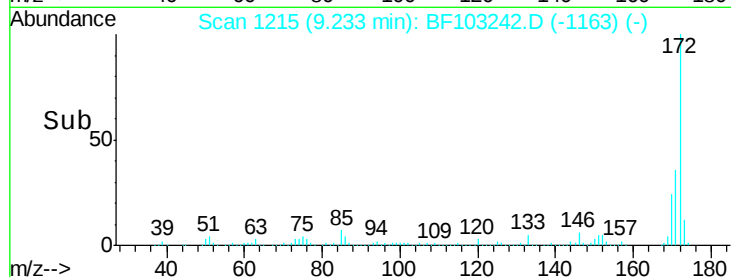
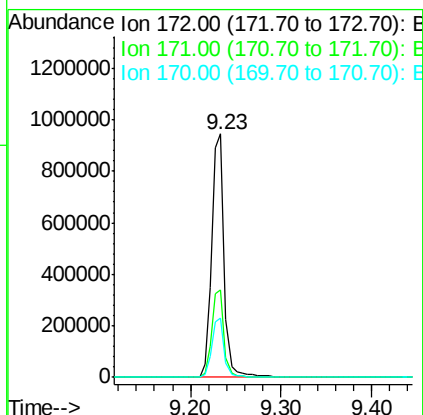
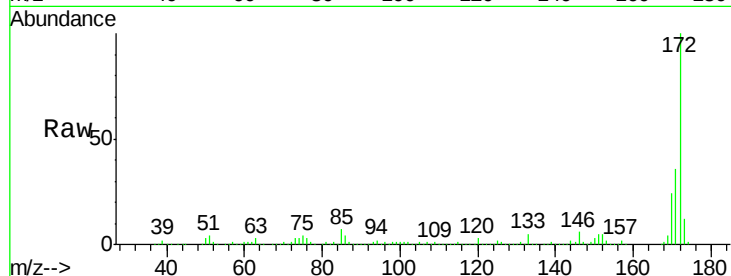




#44
 2-Fluorobiphenyl
 Concen: 86.97 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103242.D
 Acq: 27 Feb 2018 2:22

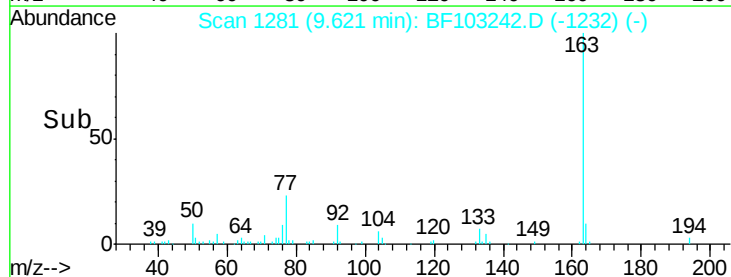
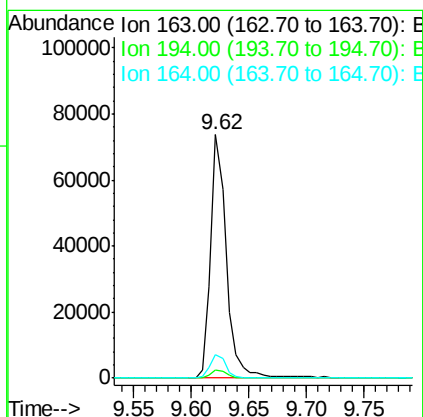
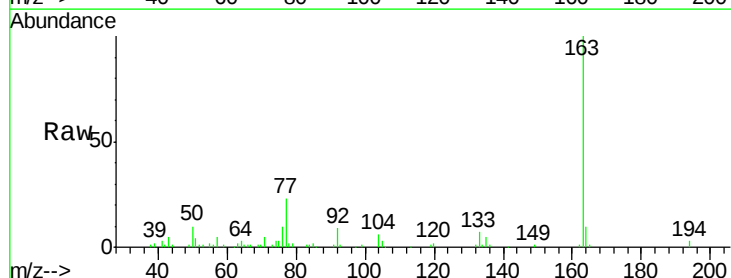
Instrument :
 BNA_F
 ClientSampleId :

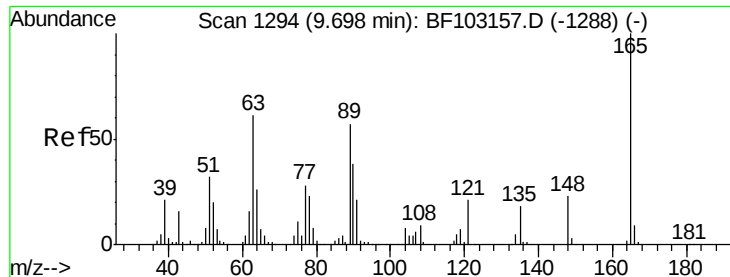
Tot Ion:172 Resp: 923751
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.1 19.6 29.4



#49
 Dimethylphthalate
 Concen: 4.78 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF103242.D
 Acq: 27 Feb 2018 2:22

Tgt Ion:163 Resp: 70515
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.7 4.1
 164 9.7 8.2 12.2

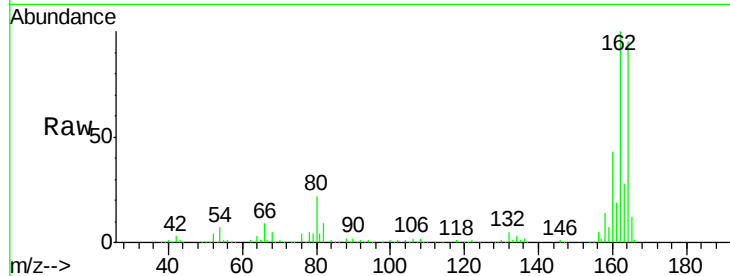




#50
 2,6-Dinitrotoluene
 Concen: 7.32 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.22 min
 Lab File: BF103242.D
 Acq: 27 Feb 2018 2:22

Instrument :
 BNA_F
 ClientSampleId :

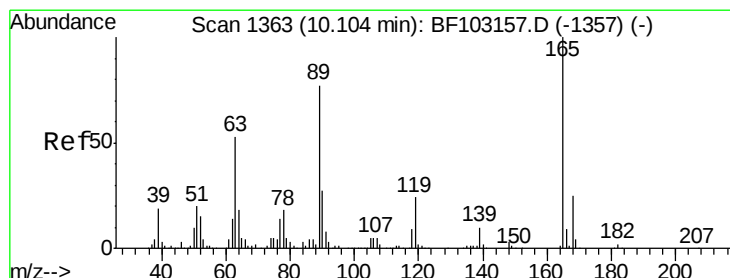
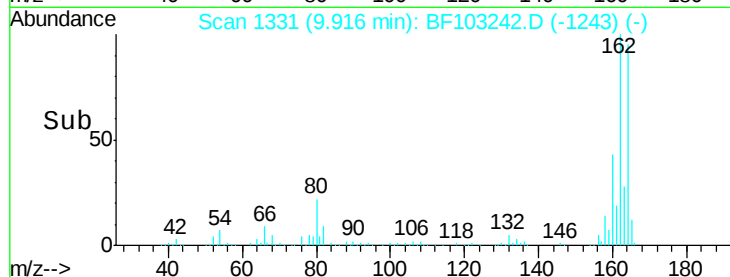
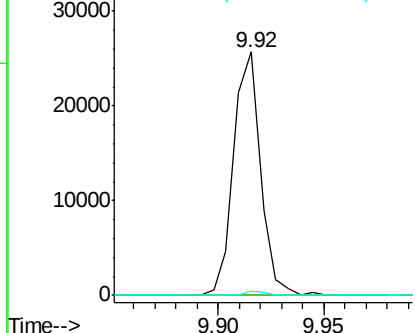
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.6	44.0	66.0#



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: 5.79 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103242.D
 Acq: 27 Feb 2018 2:22

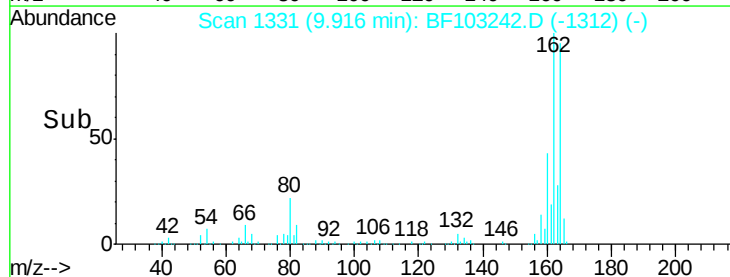
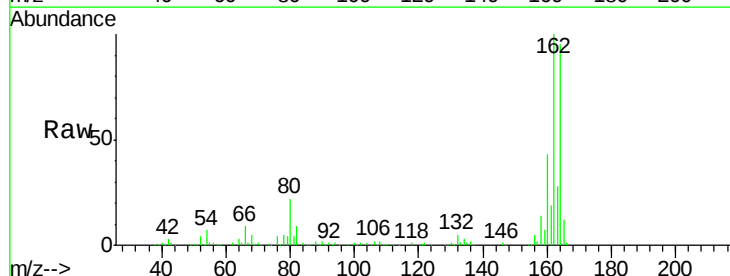
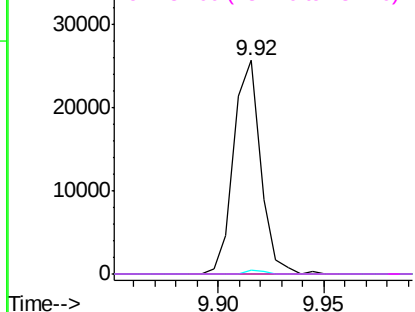
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

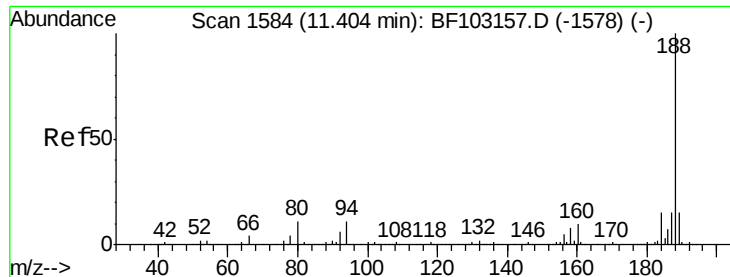
Abundance Ion 165.00 (164.70 to 165.70): E

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

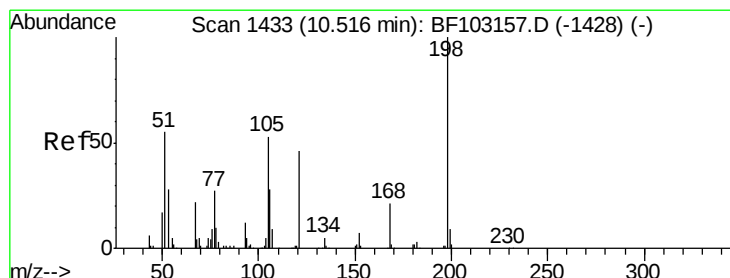
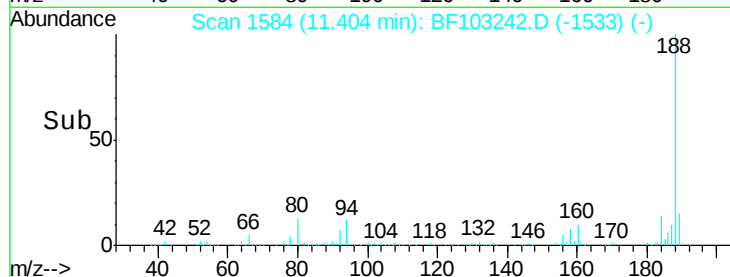
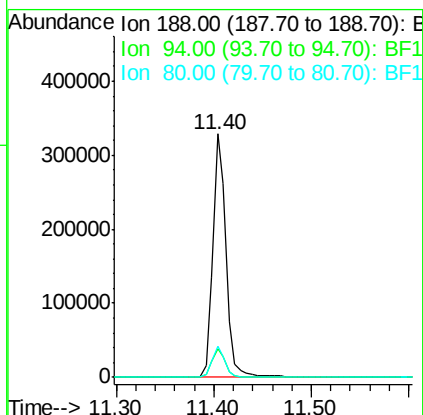
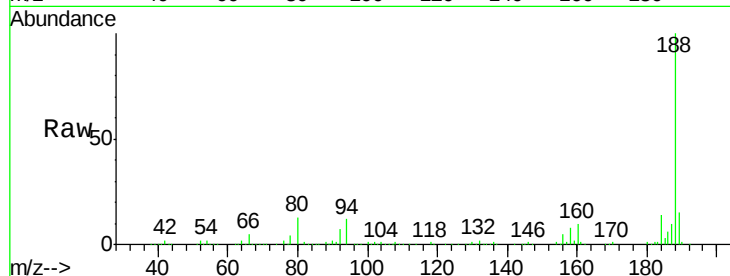




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103242.D
Acq: 27 Feb 2018 2:22

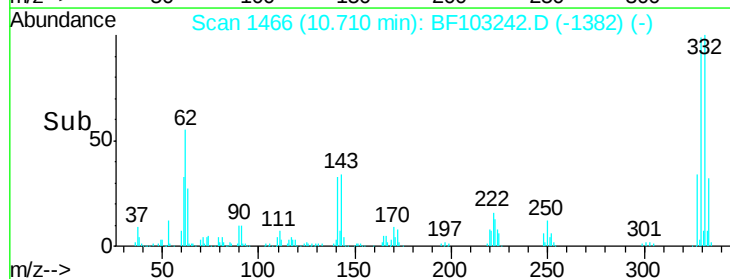
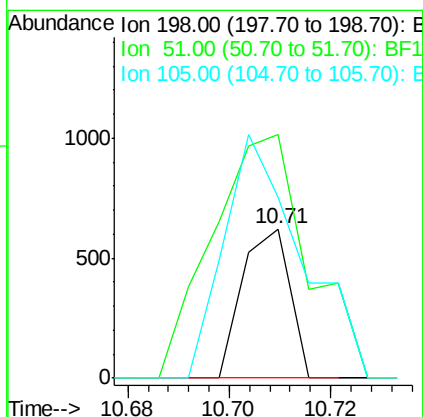
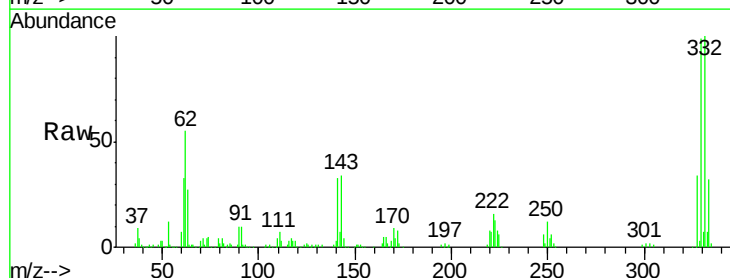
Instrument :
BNA_F
ClientSampleId :

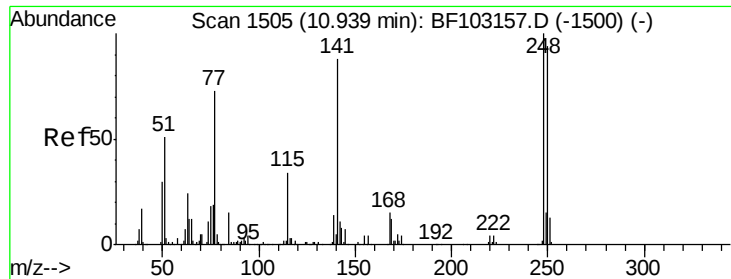
Tot Ion:188 Resp: 308111
Ion Ratio Lower Upper
188 100
94 11.7 8.5 12.7
80 12.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.14 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF103242.D
Acq: 27 Feb 2018 2:22

Tgt Ion:198 Resp: 406
Ion Ratio Lower Upper
198 100
51 162.8 37.7 77.7#
105 121.0 36.3 76.3#

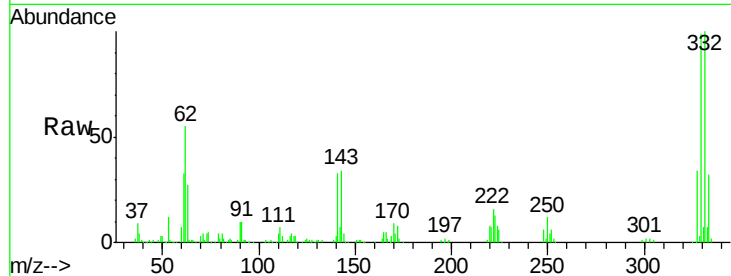




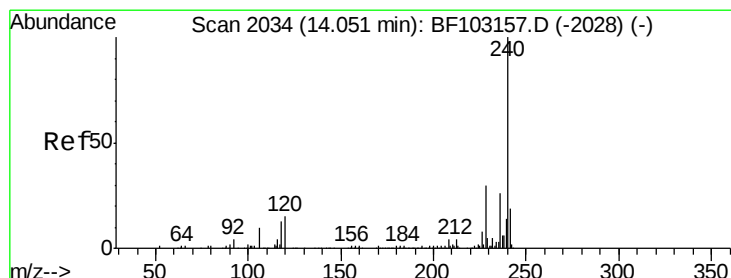
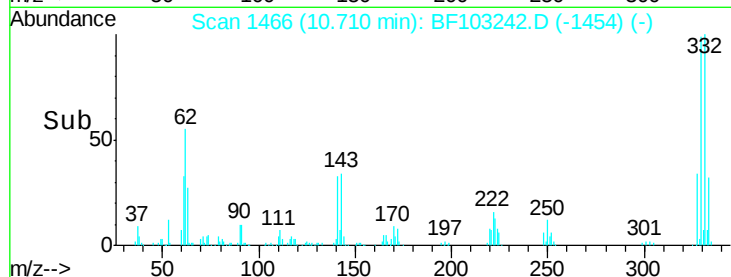
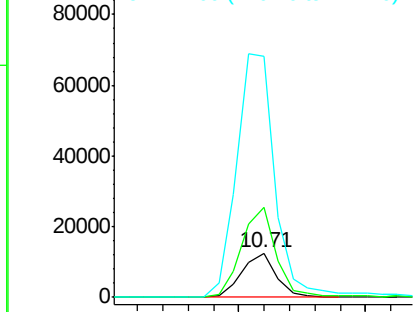
#66
4-Bromophenyl-phenylether
Concen: 3.66 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.23 min
Lab File: BF103242.D
Acq: 27 Feb 2018 2:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11738
Ion Ratio Lower Upper
248 100
250 202.9 76.9 115.3#
141 542.5 74.4 111.6#

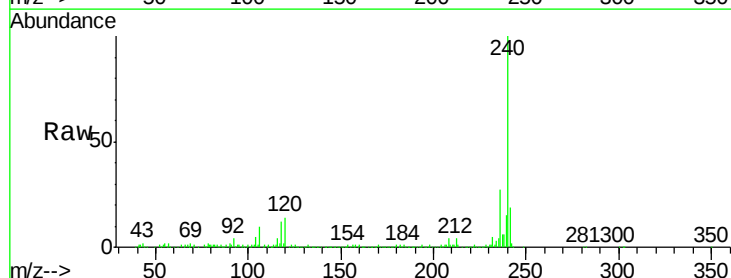


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

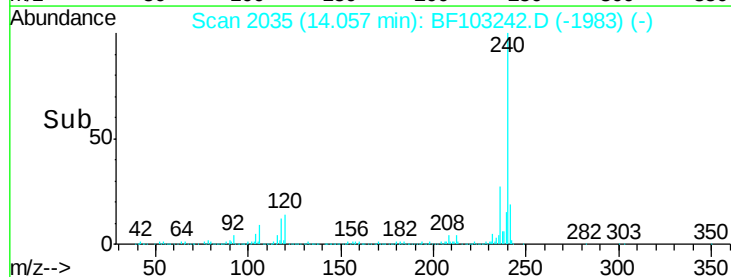
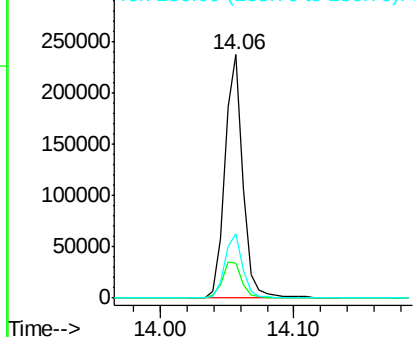


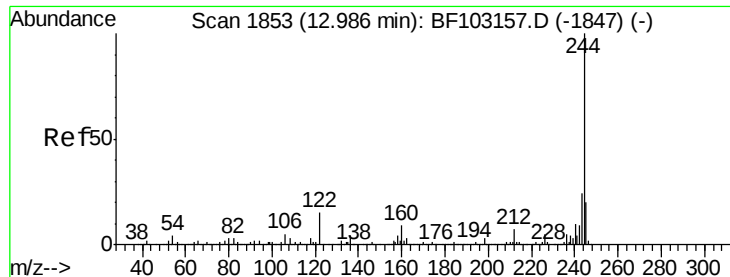
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF103242.D
Acq: 27 Feb 2018 2:22

Tgt Ion:240 Resp: 226436
Ion Ratio Lower Upper
240 100
120 14.3 9.5 14.3#
236 26.7 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: 87.72 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.01 min

Lab File: BF103242.D

Acq: 27 Feb 2018 2:22

Instrument :

BNA_F

ClientSampled :

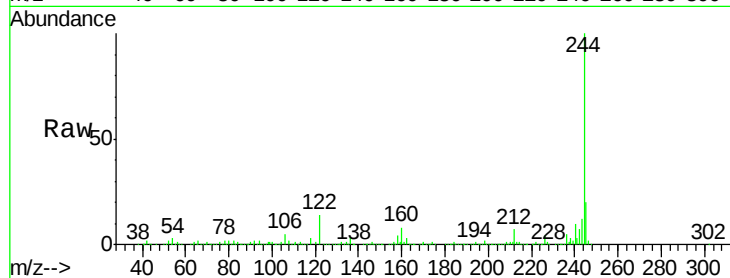
Tot Ion:244 Resp: 826312

Ion Ratio Lower Upper

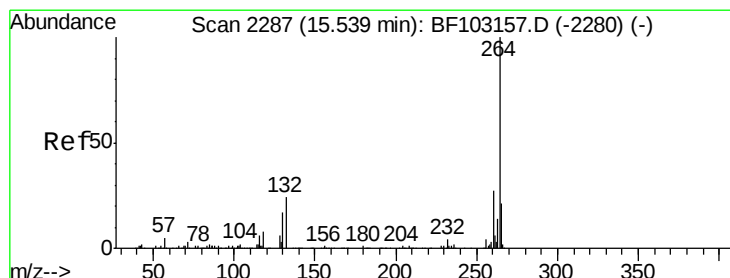
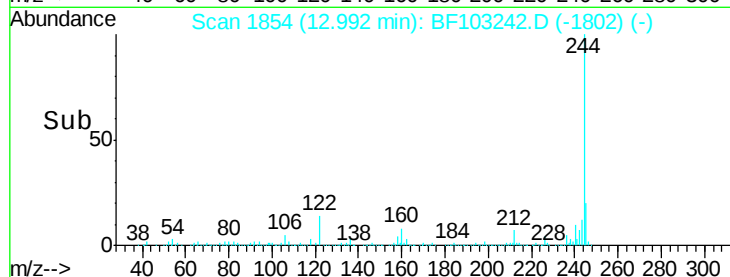
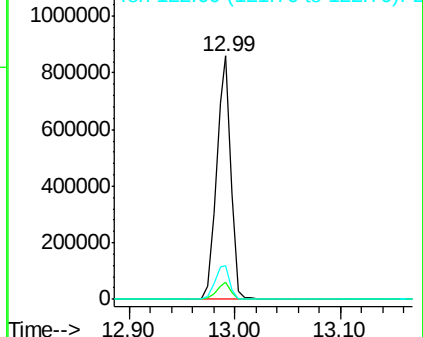
244 100

212 6.8 5.4 8.0

122 13.9 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: 15.56 min Scan# 2290

Delta R.T. 0.02 min

Lab File: BF103242.D

Acq: 27 Feb 2018 2:22

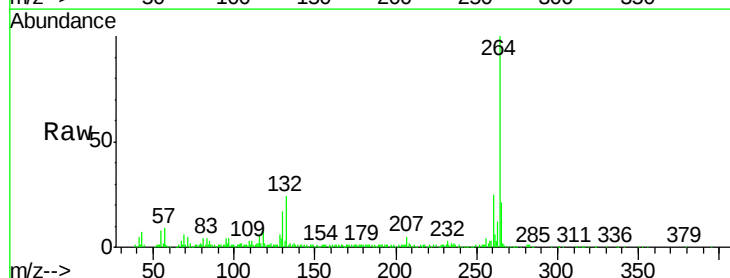
Tgt Ion:264 Resp: 158214

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 21.3 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

