

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103148.D
 Acq On : 21 Feb 2018 20:32
 Operator : SJ/JU
 Sample : J1626-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 22 00:38:14 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	156364	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	625165	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	257377	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	359972	20.00	ng	0.00
75) Chrysene-d12	14.05	240	279252	20.00	ng	0.00
86) Perylene-d12	15.54	264	239413	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	557818	54.18	ng	0.00
7) Phenol-d6	6.50	99	414616	33.44	ng	0.00
23) Nitrobenzene-d5	7.45	82	928033	102.98	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	228664	110.38	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1395746	89.99	ng	0.00
78) Terphenyl-d14	12.99	244	921808	78.16	ng	0.00

Target Compounds

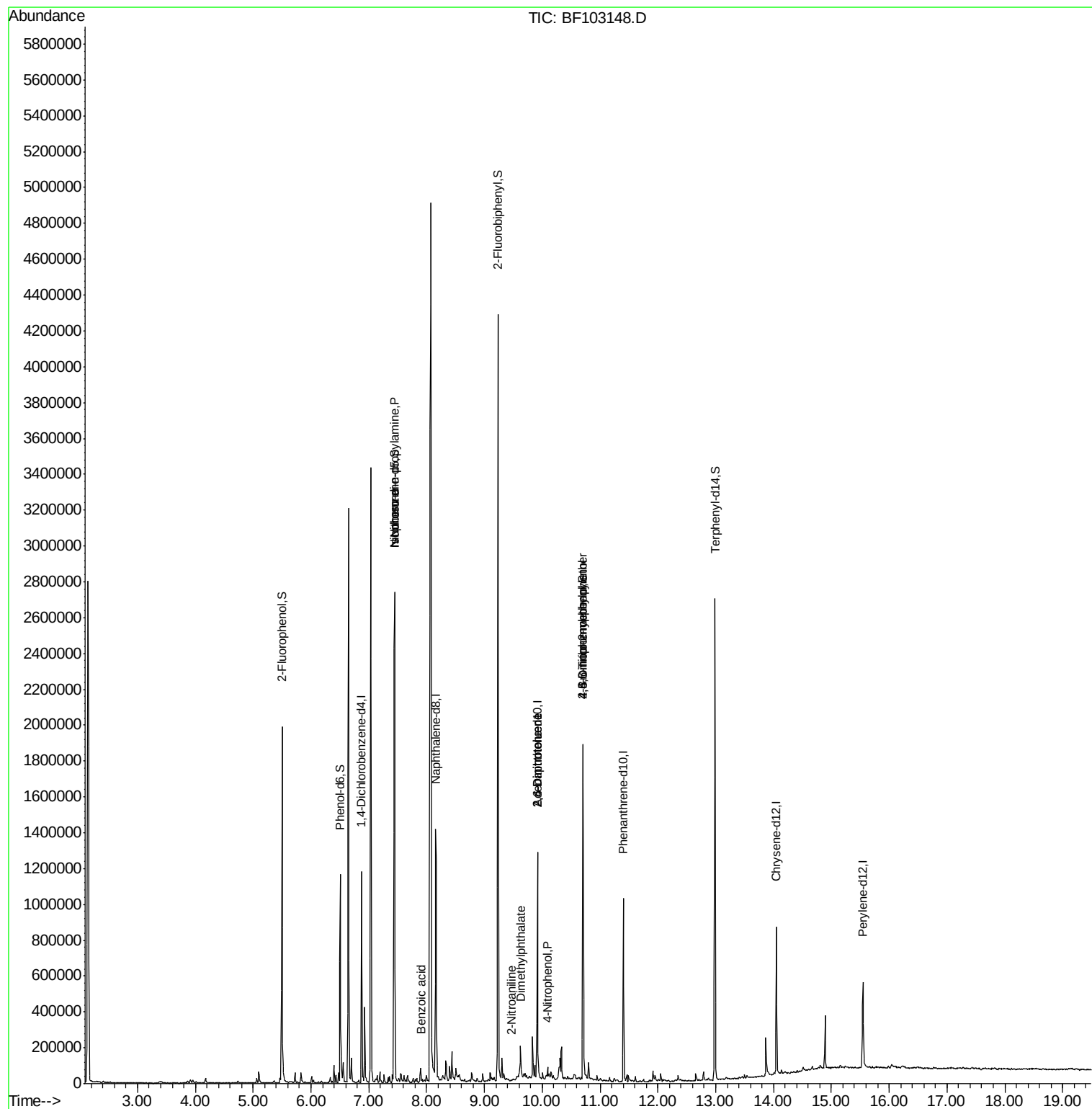
						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	123186	15.071	ng	# 79
25) Isophorone	7.45	82	928028	44.721	ng	# 64
32) Benzoic acid	7.91	122	2986	9.009	ng	# 74
47) 2-Nitroaniline	9.46	65	108	3.491	ng	# 2
49) Dimethylphthalate	9.62	163	55937	2.787	ng	# 99
50) 2,6-Dinitrotoluene	9.92	165	32553	8.526	ng	# 26
55) 4-Nitrophenol	10.09	139	5544	5.388	ng	# 15
56) 2,4-Dinitrotoluene	9.92	165	32553	9.026	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	523	9.115	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	14944	3.925	ng	# 1

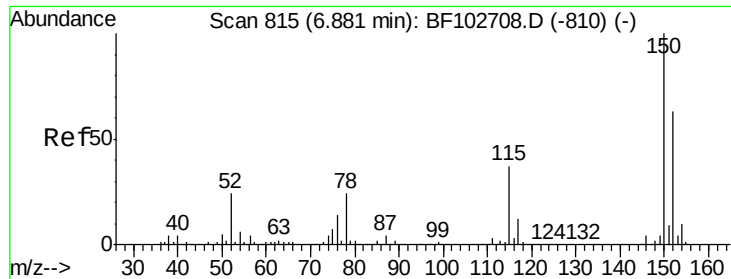
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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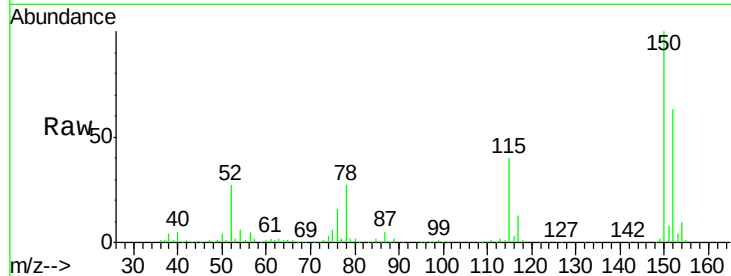


#1

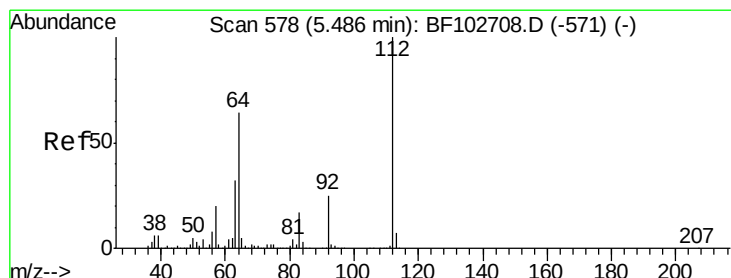
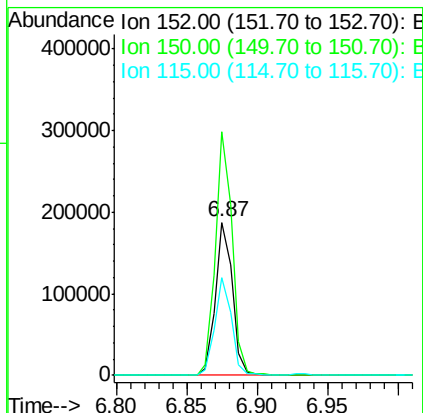
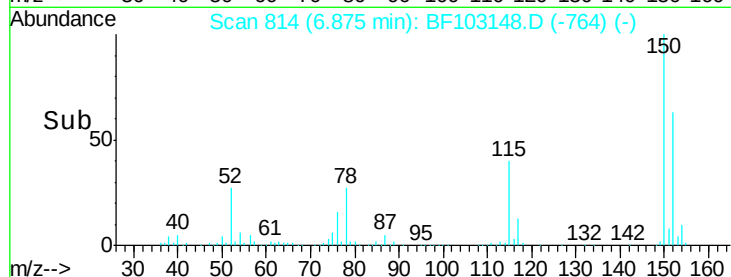
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103148.D
Acq: 21 Feb 2018 20:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 156364
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 64.3 50.1 75.1



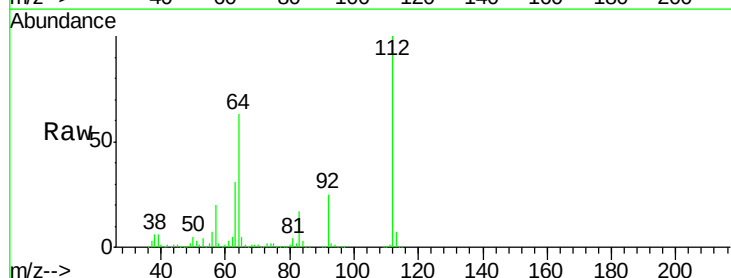
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



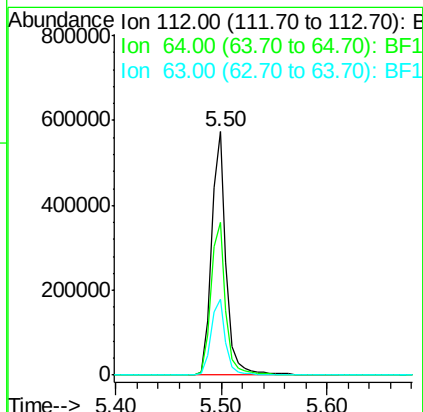
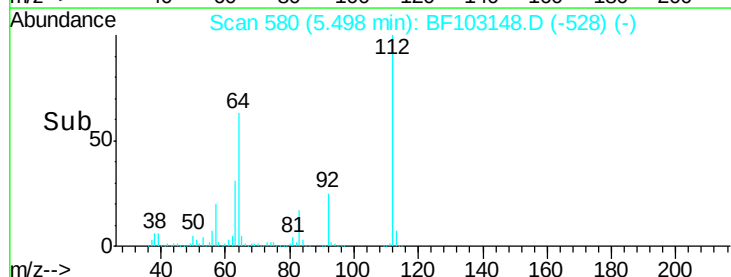
#5

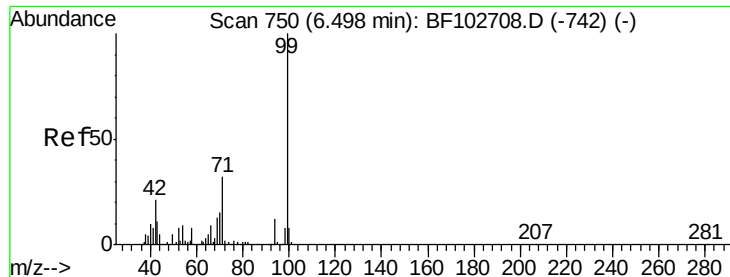
2-Fluorophenol
Concen: 54.177 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103148.D
Acq: 21 Feb 2018 20:32

Tgt Ion:112 Resp: 557818
Ion Ratio Lower Upper
112 100
64 62.9 47.9 71.9
63 31.0 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: 33.444 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103148.D

Acq: 21 Feb 2018 20:32

Instrument :

BNA_F

ClientSampled :

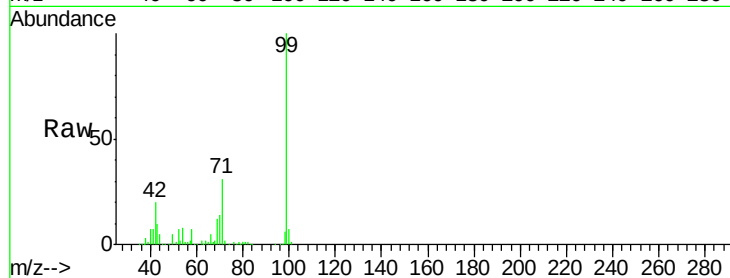
Tot Ion: 99 Resp: 414616

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

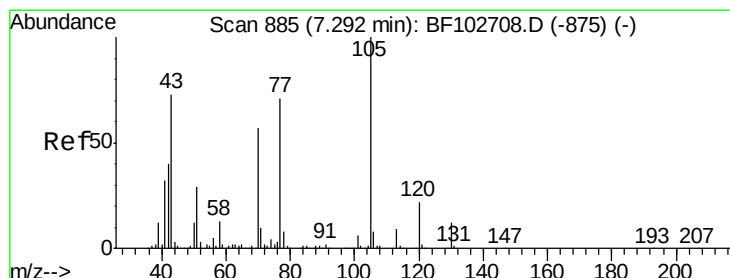
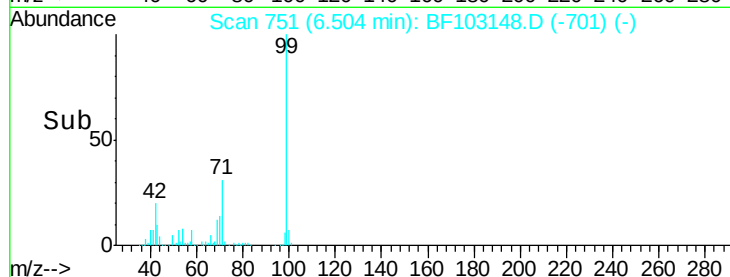
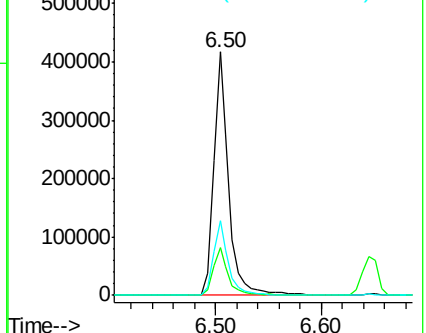
71 30.9 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.071 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103148.D

Acq: 21 Feb 2018 20:32

Tgt Ion: 70 Resp: 123186

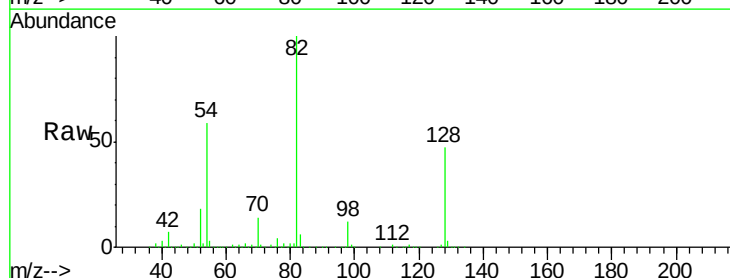
Ion Ratio Lower Upper

70 100

42 48.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

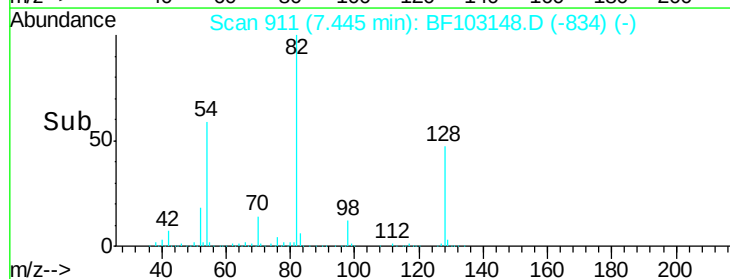
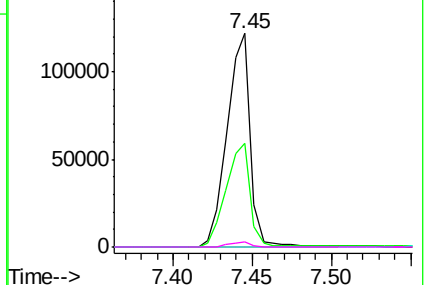


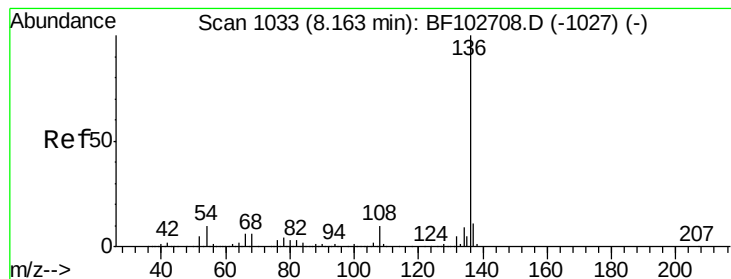
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF103148.D

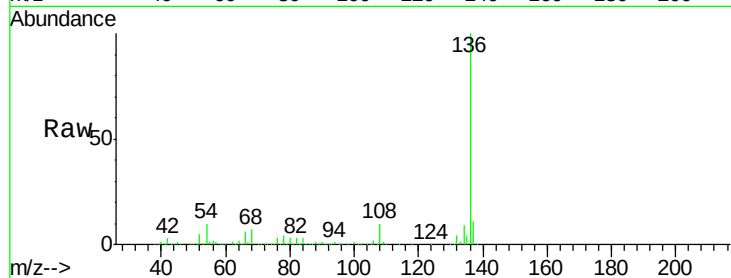
Acq: 21 Feb 2018 20:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	625165
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	10.4	6.6 9.8#
68	6.9	5.0 7.4

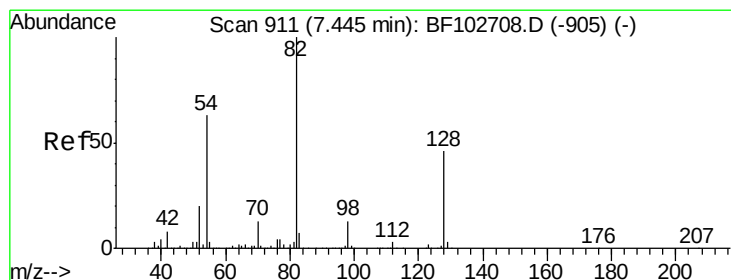
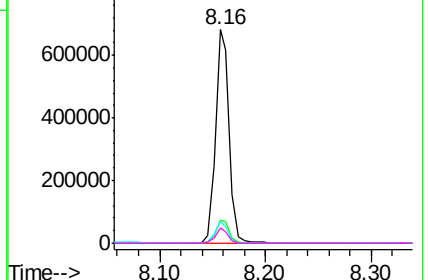
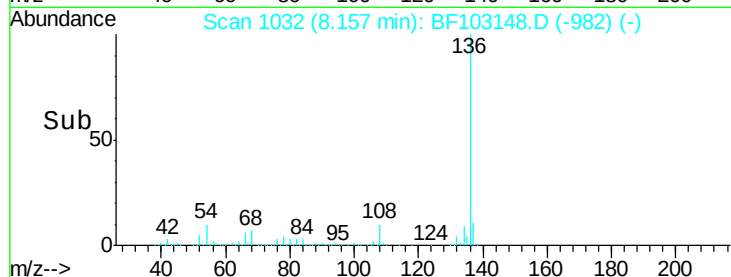


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.978 ng

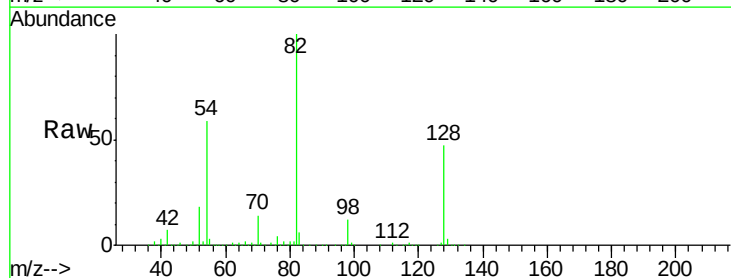
RT: 7.45 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF103148.D

Acq: 21 Feb 2018 20:32

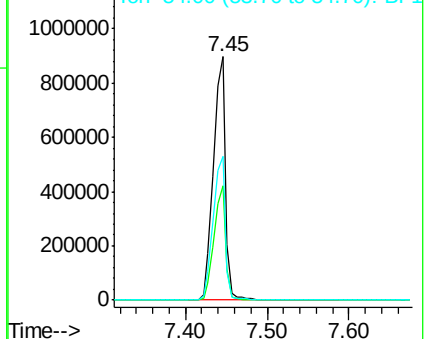
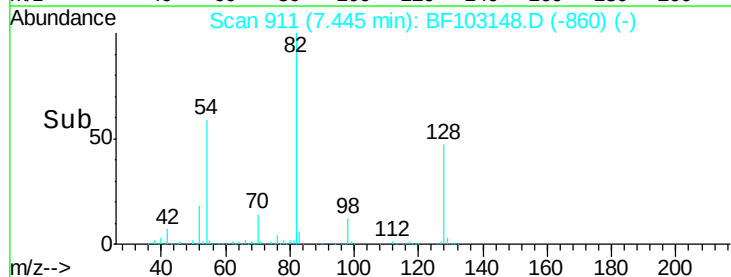
Tgt Ion: 82	Resp:	928033
Ion Ratio	Lower	Upper
82	100	
128	46.9	36.1 54.1
54	59.1	41.4 62.2

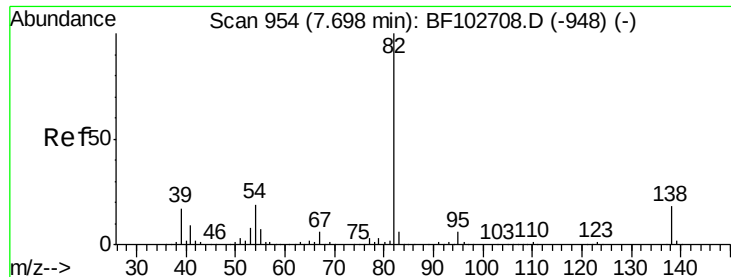


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.721 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103148.D

Acq: 21 Feb 2018 20:32

Instrument :

BNA_F

ClientSampleId :

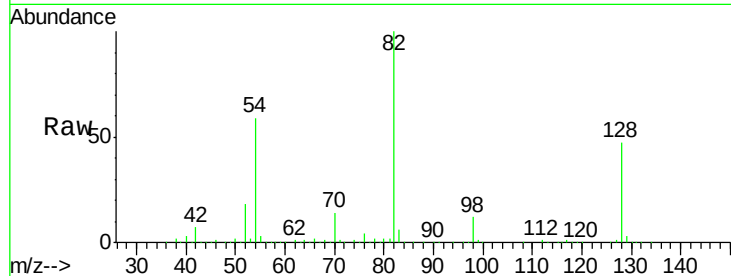
Tot Ion: 82 Resp: 928028

Ion Ratio Lower Upper

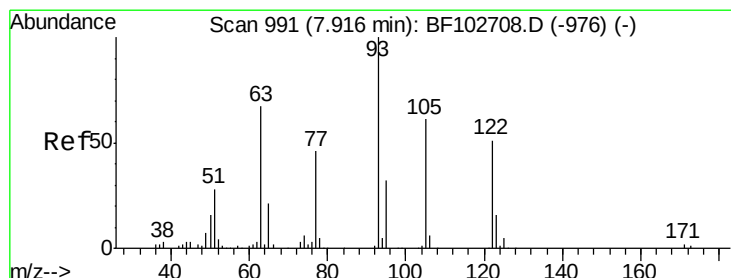
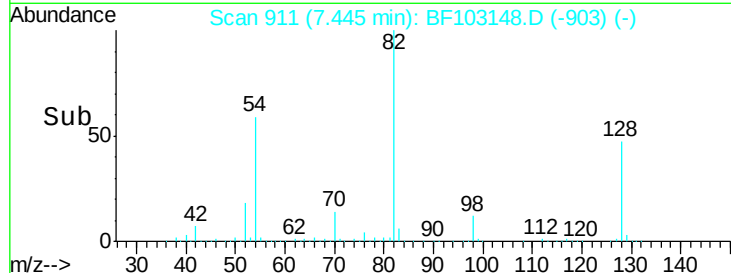
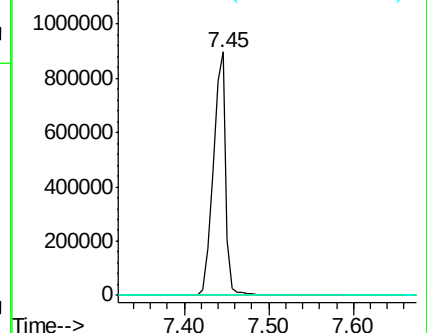
82 100

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



#32

Benzoic acid

Concen: 9.009 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.04 min

Lab File: BF103148.D

Acq: 21 Feb 2018 20:32

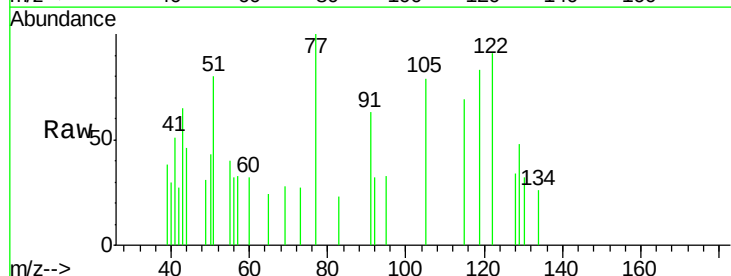
Tgt Ion: 122 Resp: 2986

Ion Ratio Lower Upper

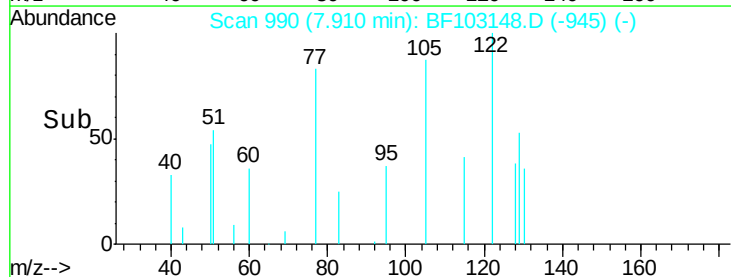
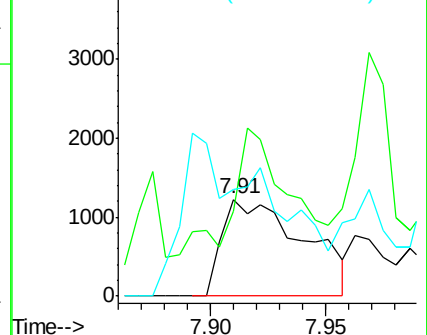
122 100

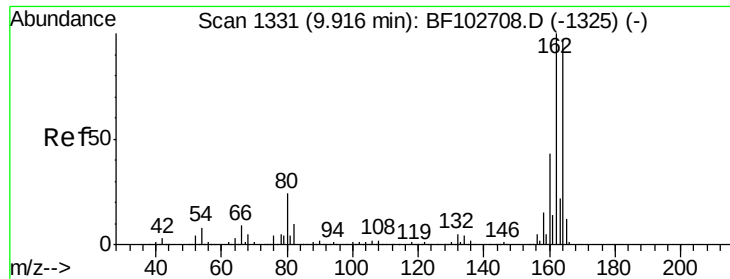
105 87.5 101.1 141.1#

77 110.5 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

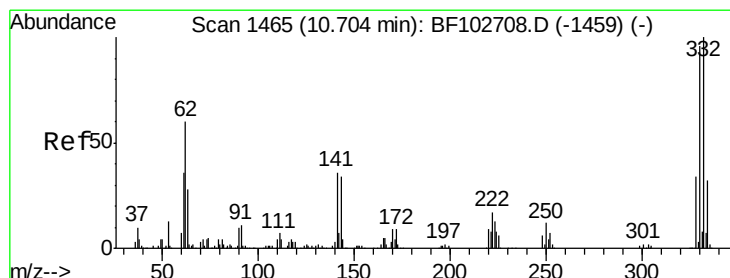
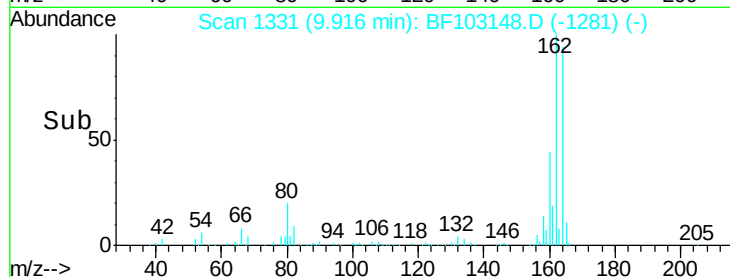
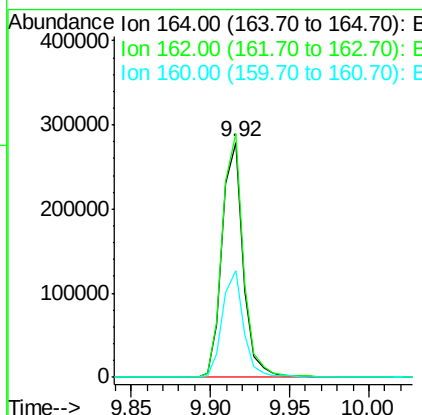
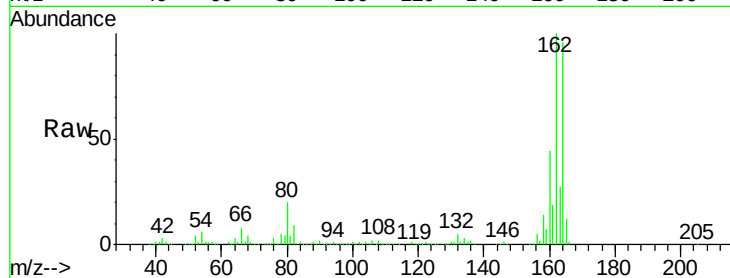




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103148.D
 Acq: 21 Feb 2018 20:32

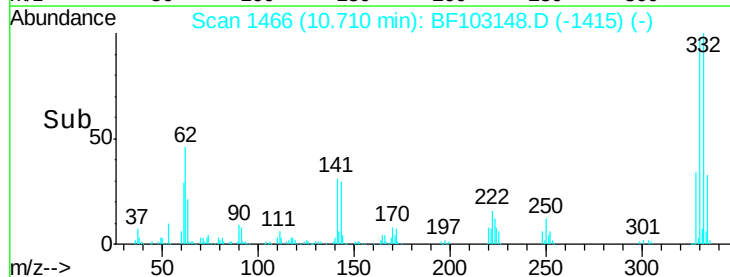
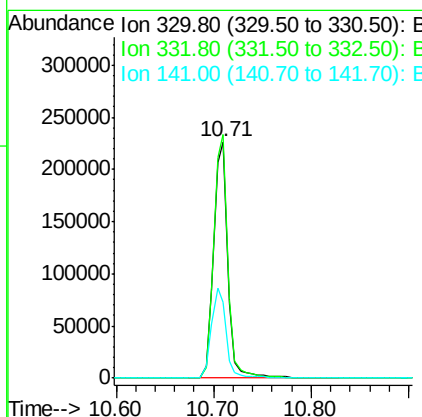
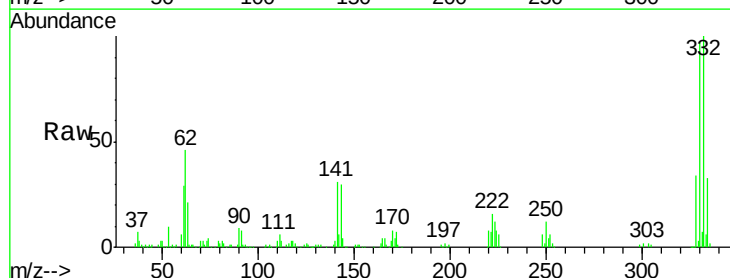
Instrument :
 BNA_F
 ClientSampleId :

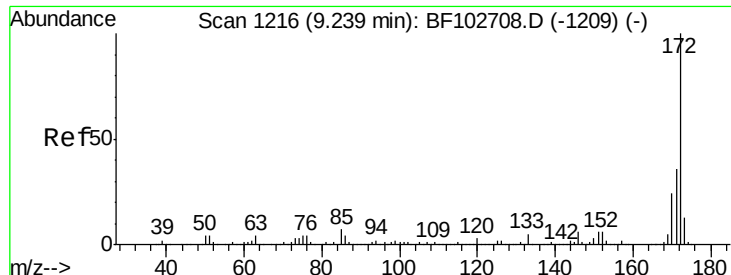
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	45.6	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 110.381 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103148.D
 Acq: 21 Feb 2018 20:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.7	77.0	115.6
141	39.6	29.9	44.9

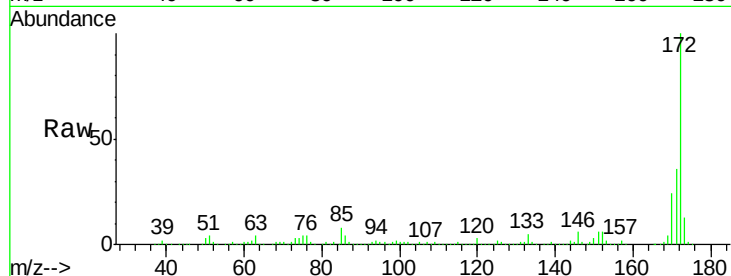




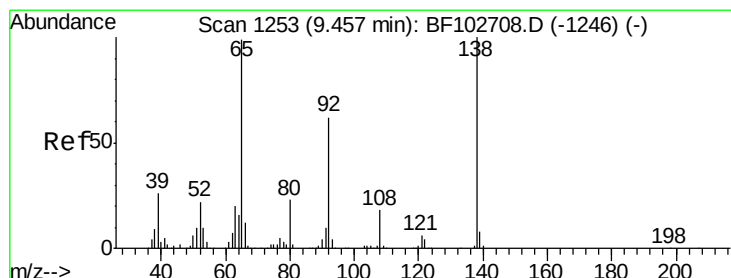
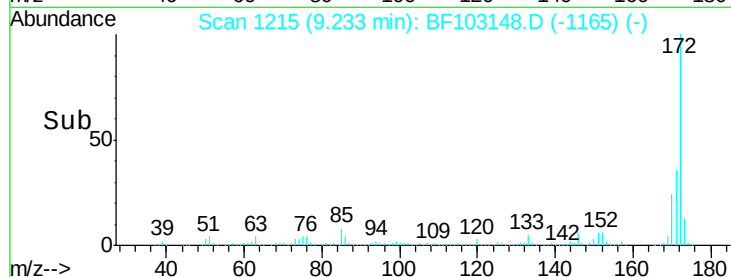
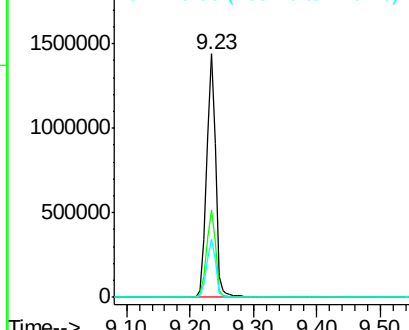
#44
2-Fluorobiphenyl
Concen: 89.986 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103148.D
Acq: 21 Feb 2018 20:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1395746
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.8 19.6 29.4

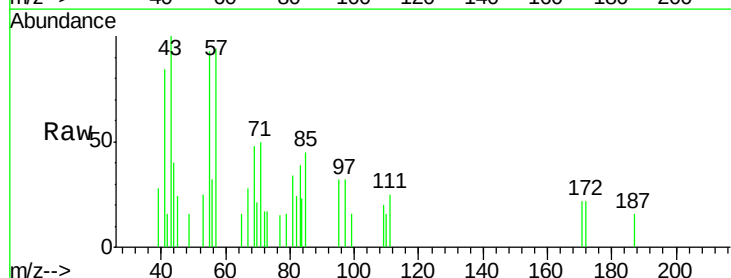


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

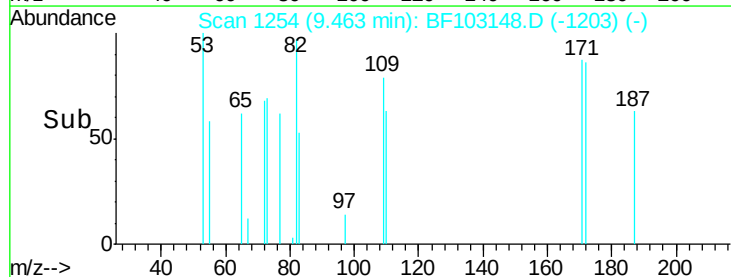
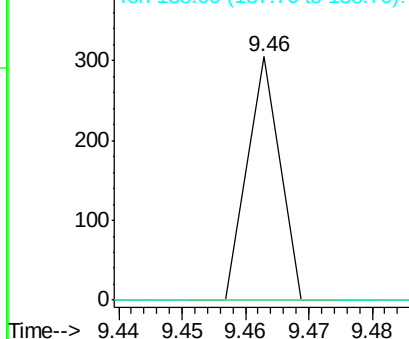


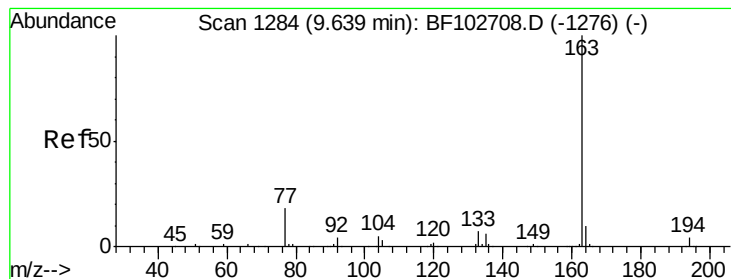
#47
2-Nitroaniline
Concen: 3.491 ng
RT: 9.46 min Scan# 1254
Delta R.T. 0.00 min
Lab File: BF103148.D
Acq: 21 Feb 2018 20:32

Tgt Ion: 65 Resp: 108
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 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





#49

Dimethylphthalate

Concen: 2.787 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103148.D

Acq: 21 Feb 2018 20:32

Instrument :

BNA_F

ClientSampleId :

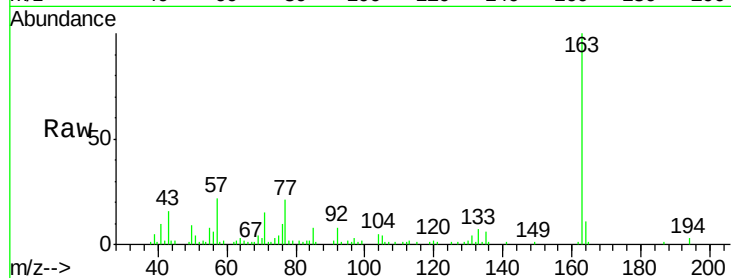
Tot Ion:163 Resp: 55937

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

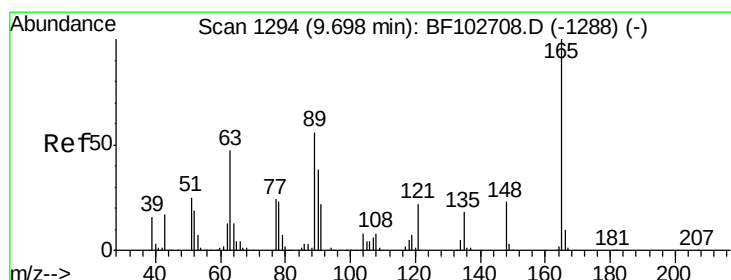
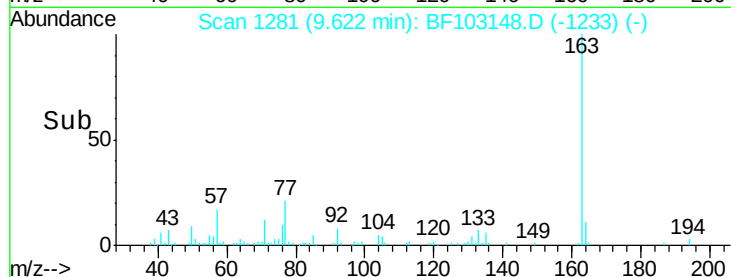
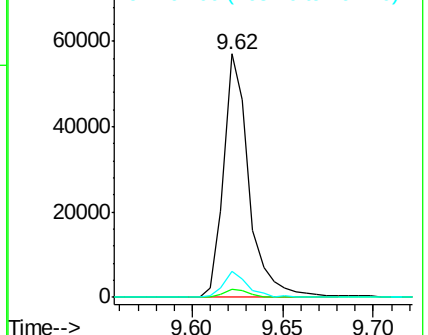
164 10.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.526 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF103148.D

Acq: 21 Feb 2018 20:32

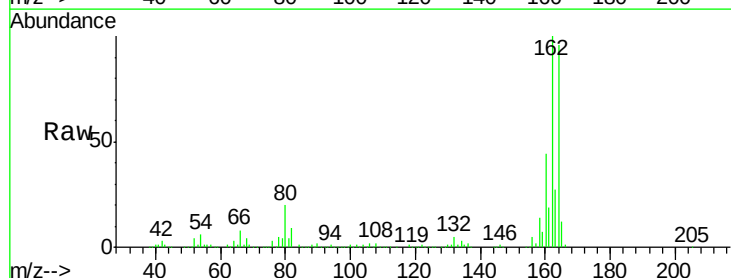
Tgt Ion:165 Resp: 32553

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

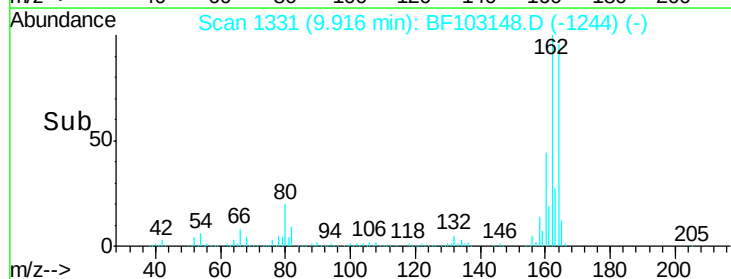
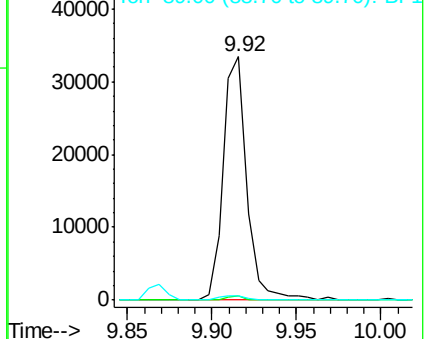
89 1.9 44.0 66.0#

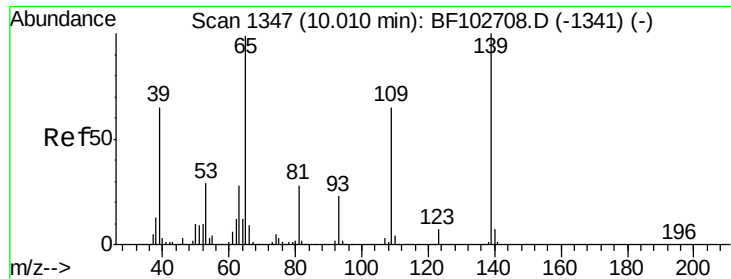


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

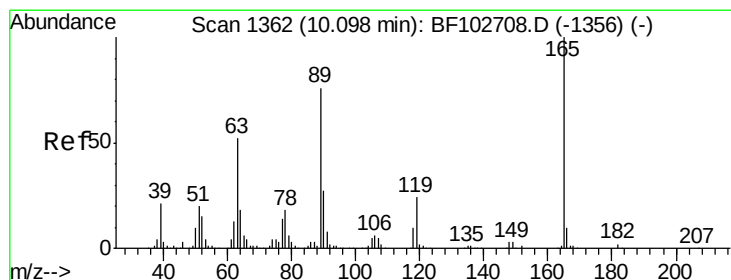
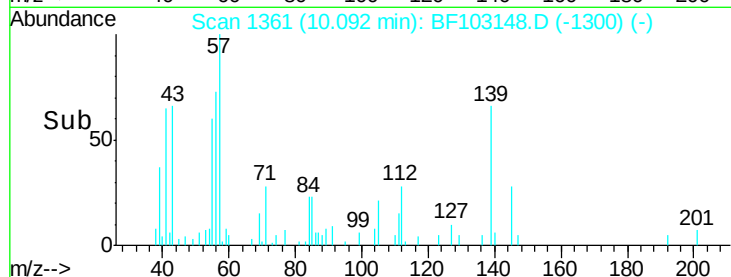
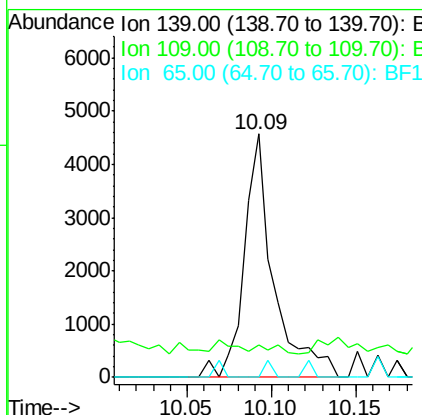
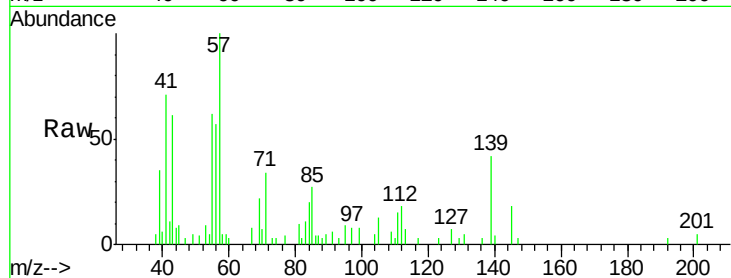




#55
4-Nitrophenol
Concen: 5.388 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.06 min
Lab File: BF103148.D
Acq: 21 Feb 2018 20:32

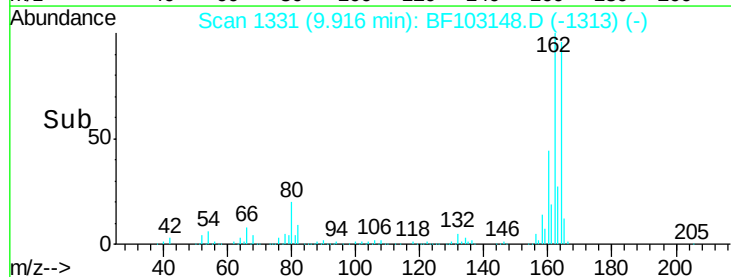
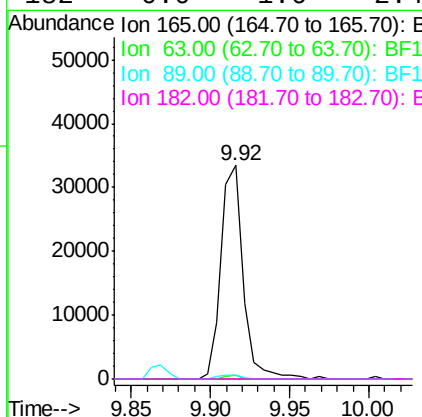
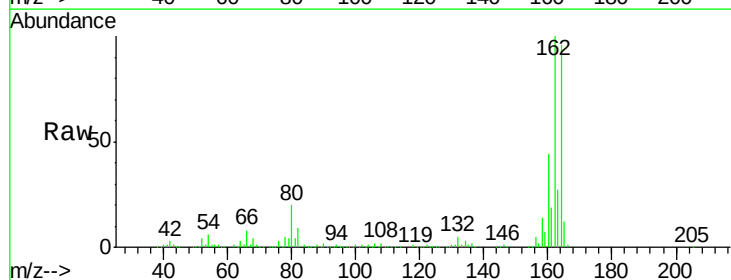
Instrument :
BNA_F
ClientSampleId :

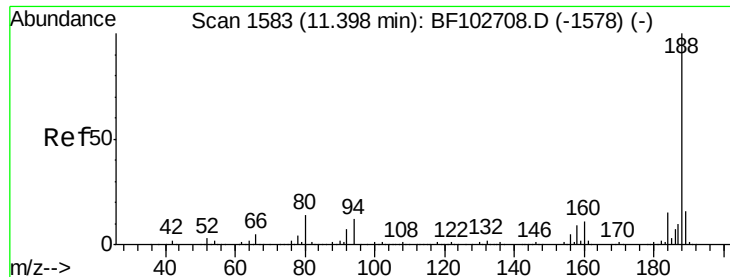
Tot Ion:139 Resp: 5544
Ion Ratio Lower Upper
139 100
109 13.2 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.026 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103148.D
Acq: 21 Feb 2018 20:32

Tgt Ion:165 Resp: 32553
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.9 57.8 86.6#
182 0.0 1.6 2.4#

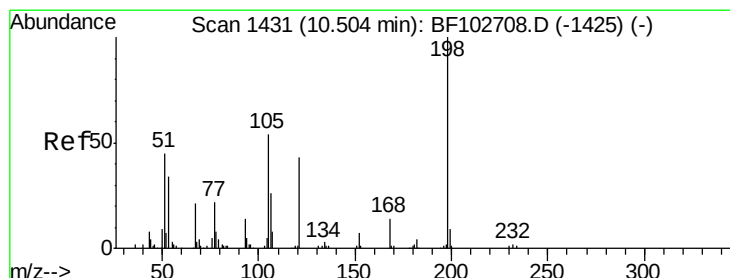
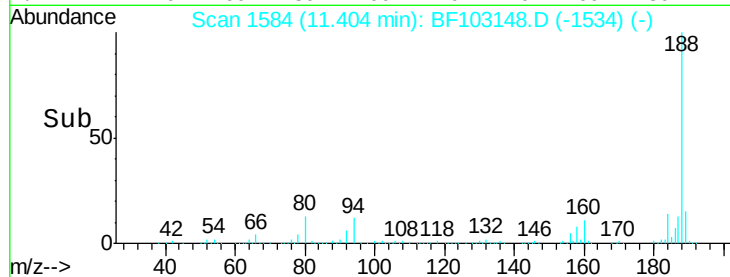
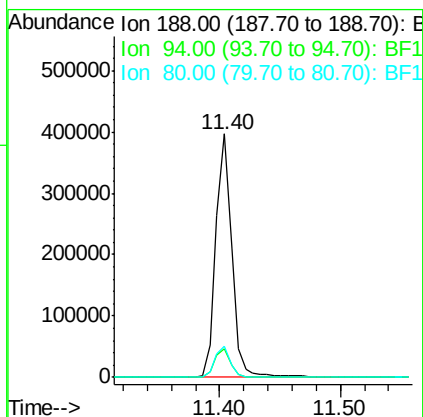
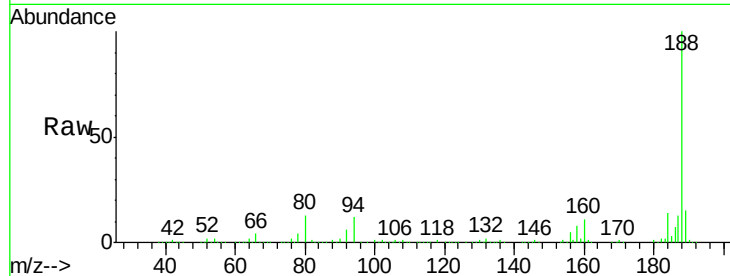




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103148.D
 Acq: 21 Feb 2018 20:32

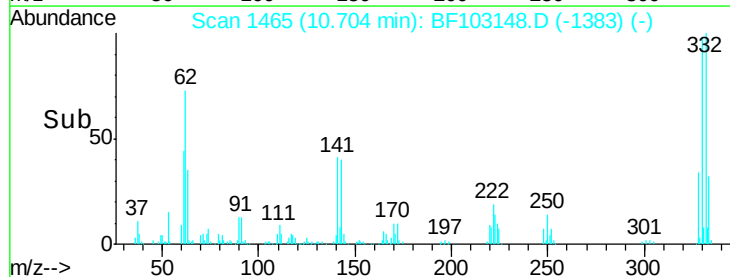
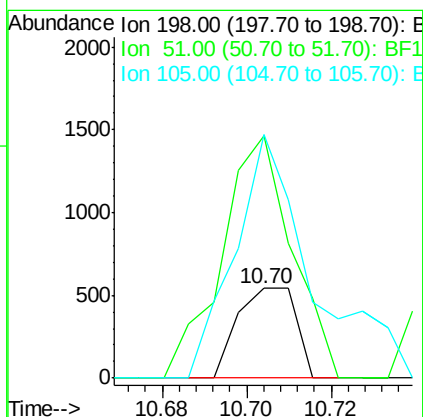
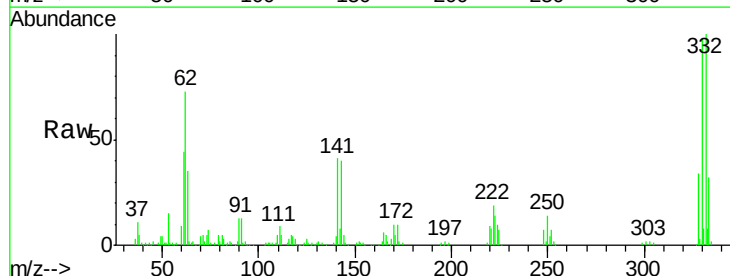
Instrument :
 BNA_F
 ClientSampleId :

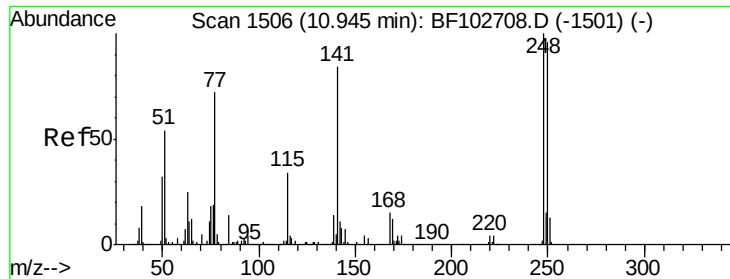
Tot Ion:188 Resp: 359972
 Ion Ratio Lower Upper
 188 100
 94 11.8 8.5 12.7
 80 12.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.115 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103148.D
 Acq: 21 Feb 2018 20:32

Tgt Ion:198 Resp: 523
 Ion Ratio Lower Upper
 198 100
 51 269.6 37.7 77.7#
 105 270.9 36.3 76.3#

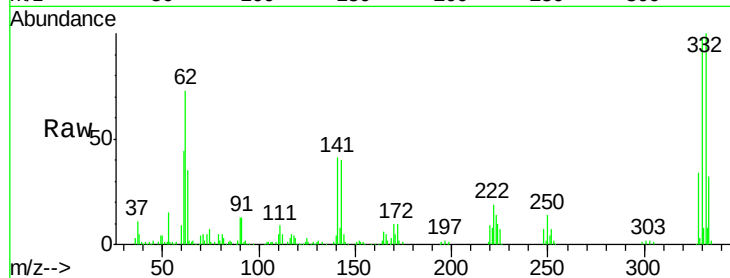




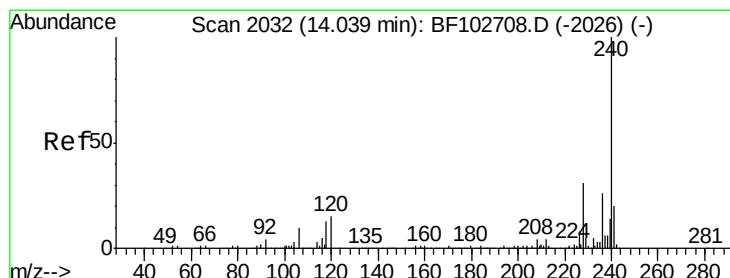
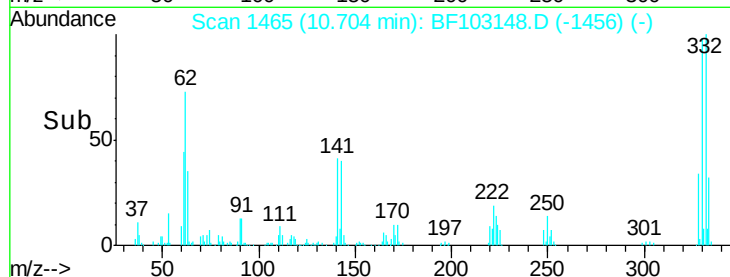
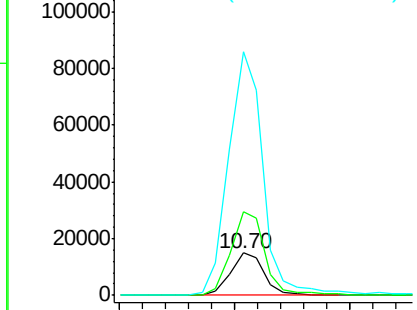
#66
 4-Bromophenyl-phenylether
 Concen: 3.925 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103148.D
 Acq: 21 Feb 2018 20:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14944
 Ion Ratio Lower Upper
 248 100
 250 196.1 76.9 115.3#
 141 571.8 74.4 111.6#

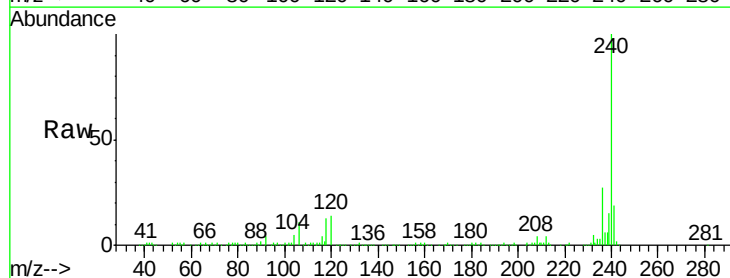


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

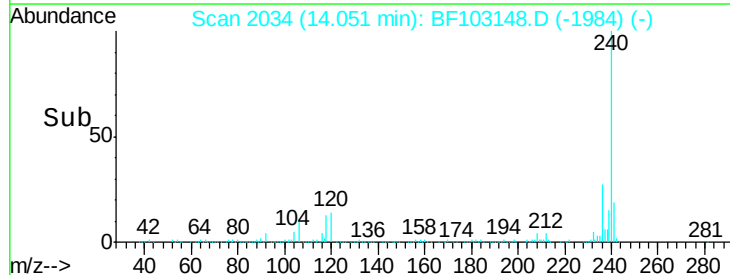
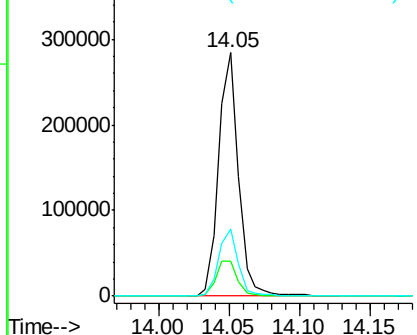


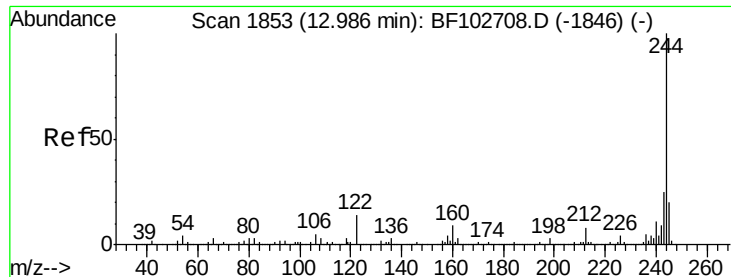
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF103148.D
 Acq: 21 Feb 2018 20:32

Tgt Ion:240 Resp: 279252
 Ion Ratio Lower Upper
 240 100
 120 14.3 9.5 14.3#
 236 27.3 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: 78.160 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103148.D

Acq: 21 Feb 2018 20:32

Instrument :

BNA_F

ClientSampleId :

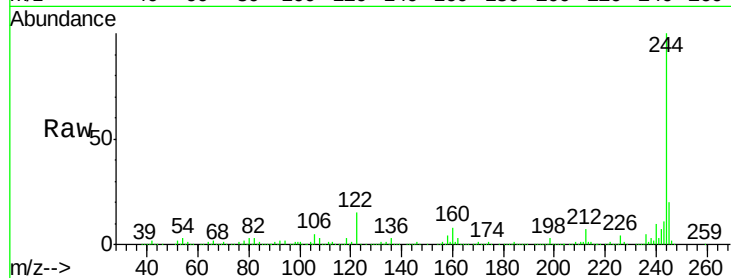
Tot Ion:244 Resp: 921808

Ion Ratio Lower Upper

244 100

212 7.1 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

12.99

800000

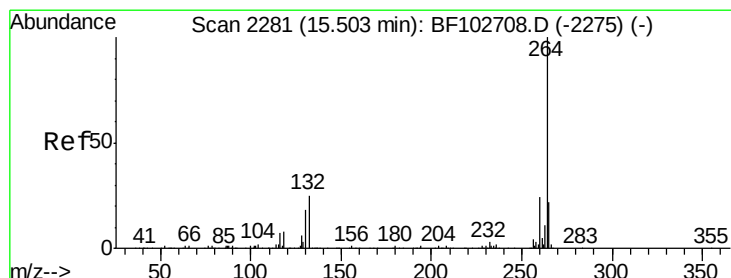
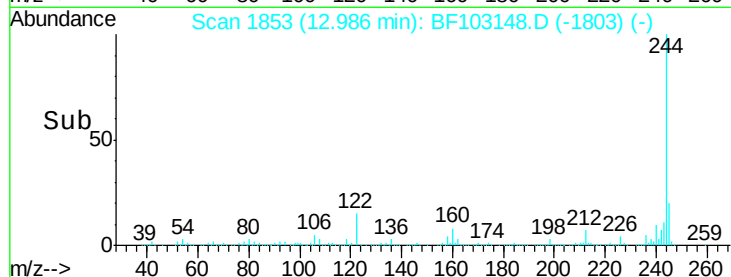
600000

400000

200000

0

Time--> 12.90 13.00 13.10



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.00 min

Lab File: BF103148.D

Acq: 21 Feb 2018 20:32

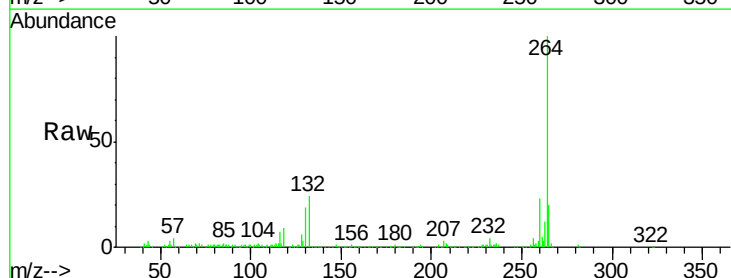
Tgt Ion:264 Resp: 239413

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 19.8 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

15.54

200000

150000

100000

50000

0

Time--> 15.50 15.60 15.70

