

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103139.D
 Acq On : 21 Feb 2018 16:32
 Operator : SJ/JU
 Sample : J1391-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 17:01:42 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	173553	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	710710	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	291005	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	436650	20.00	ng	0.00
75) Chrysene-d12	14.05	240	346478	20.00	ng	0.00
86) Perylene-d12	15.54	264	283640	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1110410	97.17	ng	0.01
7) Phenol-d6	6.51	99	1343004	97.60	ng	0.00
23) Nitrobenzene-d5	7.44	82	817722	79.82	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	210448	89.85	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1114047	63.52	ng	0.00
78) Terphenyl-d14	12.99	244	845559	57.78	ng	0.00

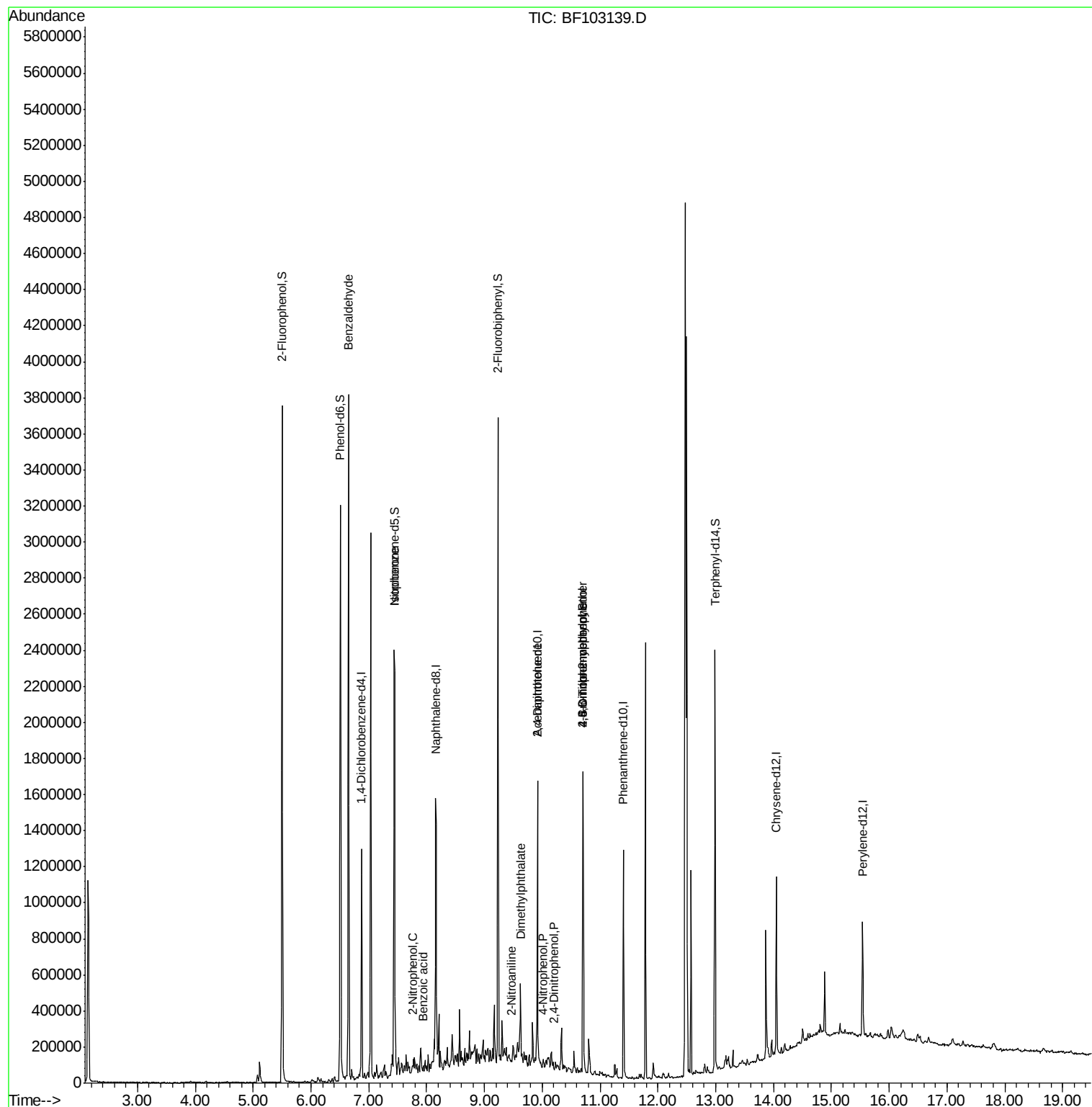
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	22802	2.231	ng	86
25) Isophorone	7.44	82	817722	34.662	ng	# 64
26) 2-Nitrophenol	7.77	139	324	8.720	ng	# 1
32) Benzoic acid	7.95	122	132	8.561	ng	# 51
47) 2-Nitroaniline	9.46	65	693	3.580	ng	# 1
49) Dimethylphthalate	9.62	163	73107	3.222	ng	99
53) 2,4-Dinitrophenol	10.20	184	222	8.213	ng	# 25
55) 4-Nitrophenol	10.02	139	1667	4.387	ng	# 6
56) 2,4-Dinitrotoluene	9.92	165	42129	9.886	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	357	8.974	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	14498	3.139	ng	# 1

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

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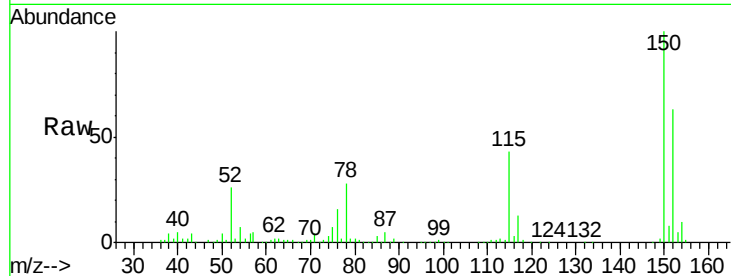


#1

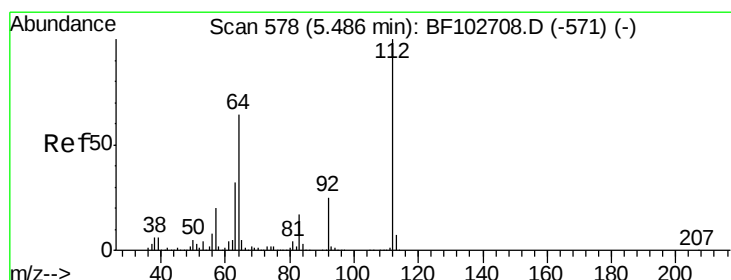
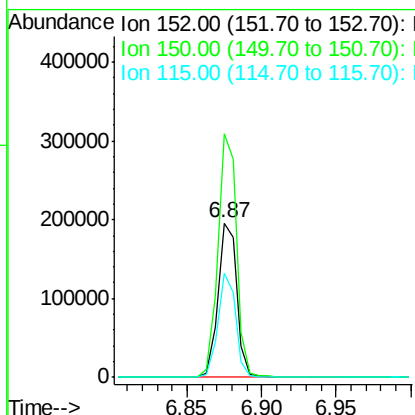
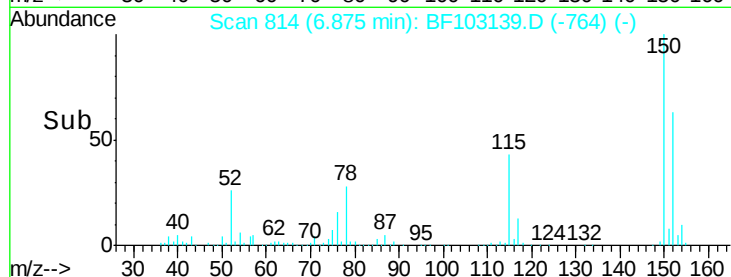
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103139.D
Acq: 21 Feb 2018 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 173553
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 67.7 50.1 75.1



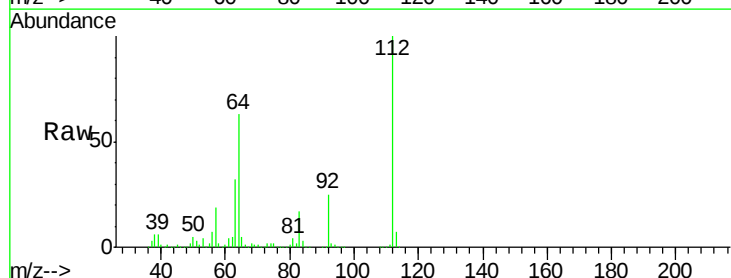
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



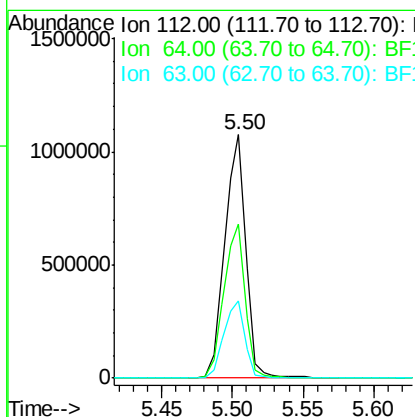
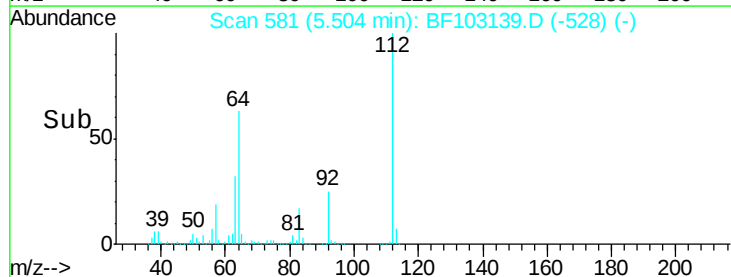
#5

2-Fluorophenol
Concen: 97.166 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103139.D
Acq: 21 Feb 2018 16:32

Tgt Ion:112 Resp: 1110410
Ion Ratio Lower Upper
112 100
64 63.2 47.9 71.9
63 31.8 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: 97.602 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103139.D

Acq: 21 Feb 2018 16:32

Instrument :

BNA_F

ClientSampled :

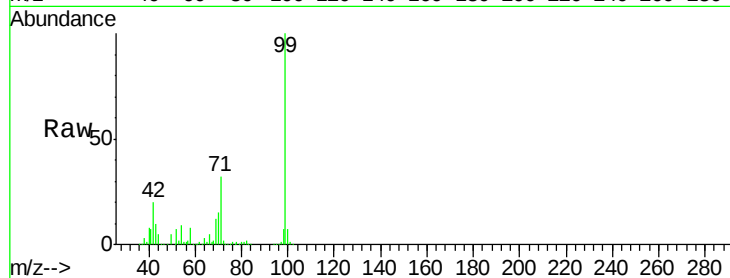
Tot Ion: 99 Resp: 1343004

Ion Ratio Lower Upper

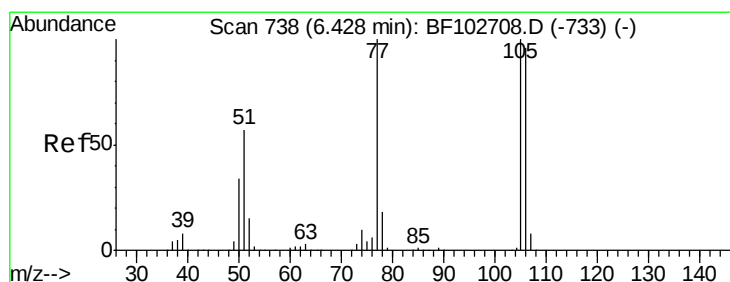
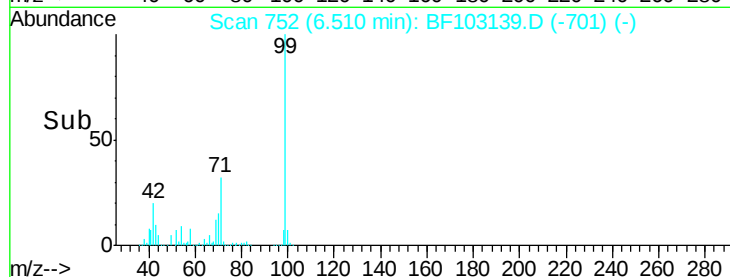
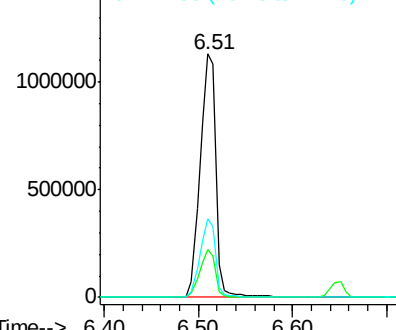
99 100

42 19.5 14.5 21.7

71 32.5 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: 2.231 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103139.D

Acq: 21 Feb 2018 16:32

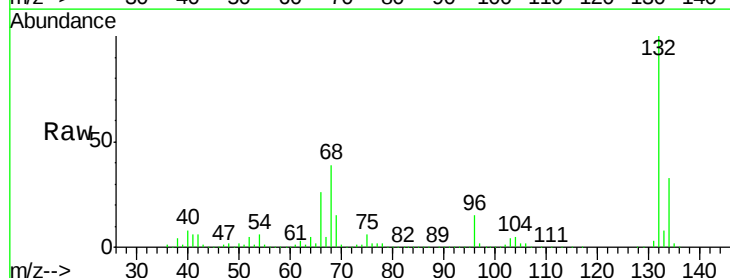
Tgt Ion: 77 Resp: 22802

Ion Ratio Lower Upper

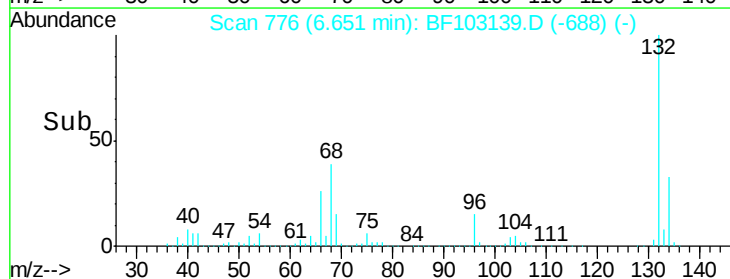
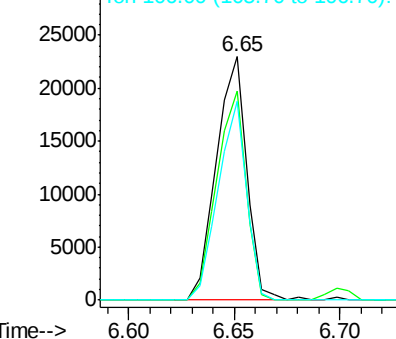
77 100

105 86.0 81.1 121.1

106 81.8 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103139.D

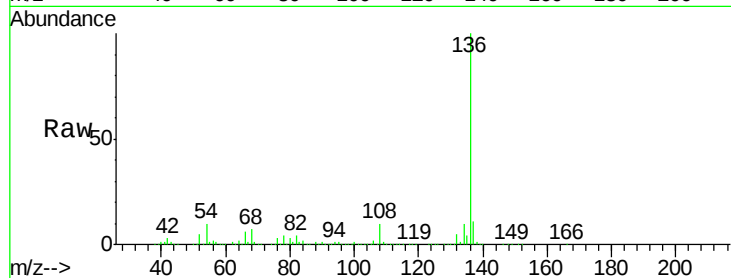
Acq: 21 Feb 2018 16:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	710710
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	10.3	6.6 9.8#
68	6.9	5.0 7.4

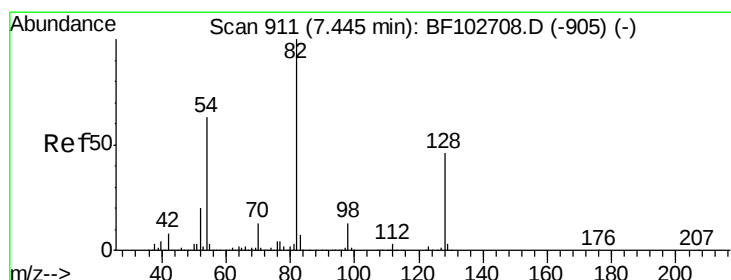
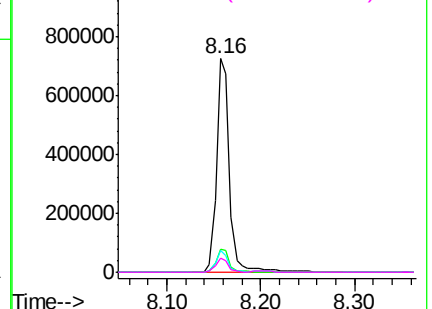
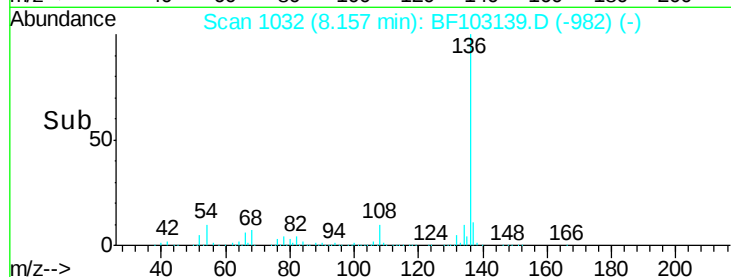


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.816 ng

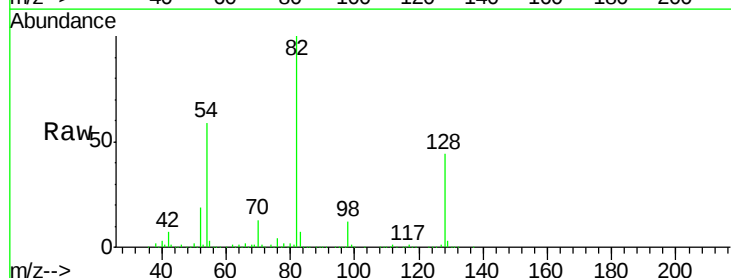
RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103139.D

Acq: 21 Feb 2018 16:32

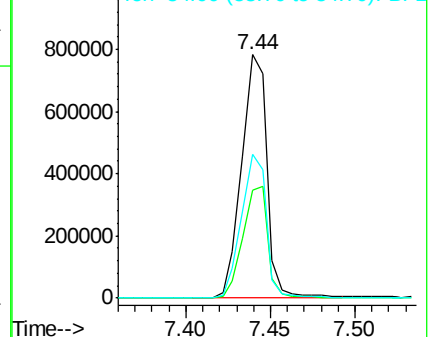
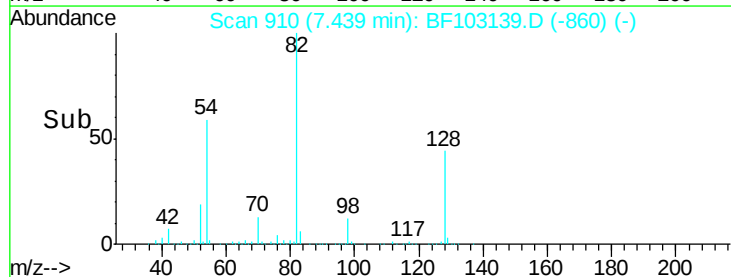
Tgt Ion: 82	Resp:	817722
Ion	Ratio	Lower Upper
82	100	
128	44.2	36.1 54.1
54	59.3	41.4 62.2



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: 34.662 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103139.D

Acq: 21 Feb 2018 16:32

Instrument :

BNA_F

ClientSampleId :

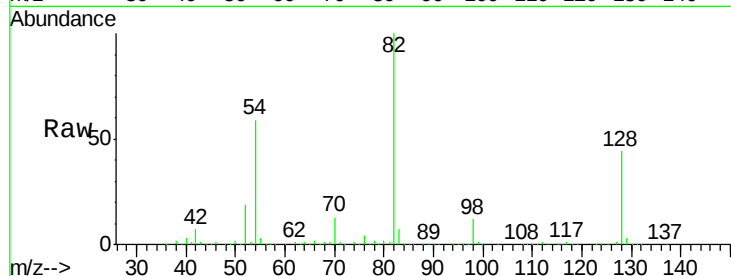
Tot Ion: 82 Resp: 817722

Ion Ratio Lower Upper

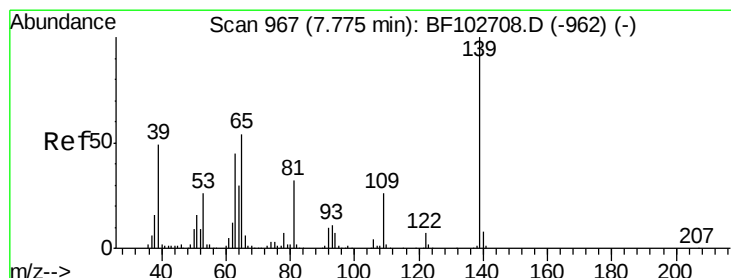
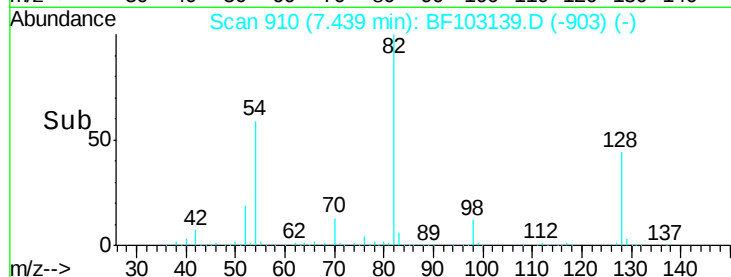
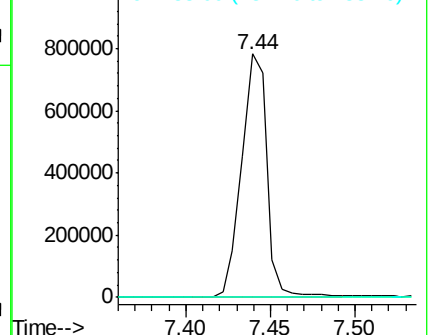
82 100

95 0.2 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



#26

2-Nitrophenol

Concen: 8.720 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF103139.D

Acq: 21 Feb 2018 16:32

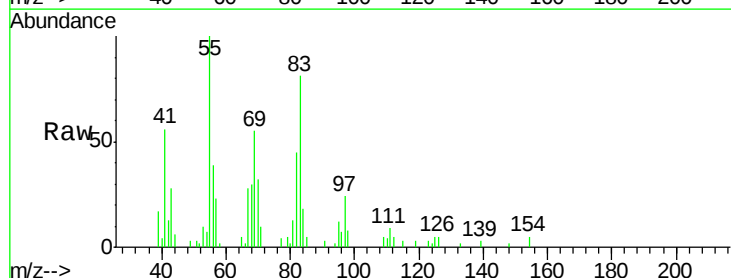
Tgt Ion: 139 Resp: 324

Ion Ratio Lower Upper

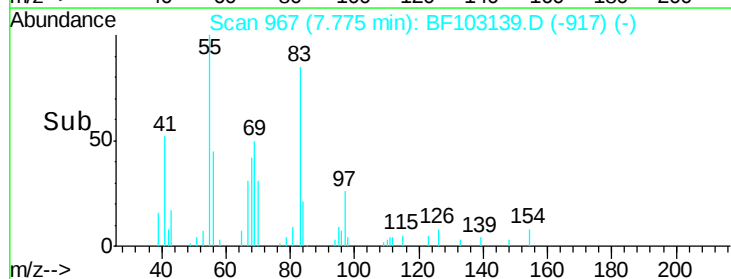
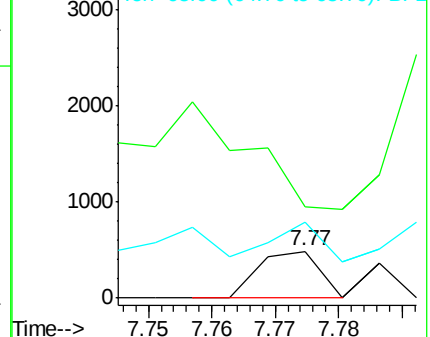
139 100

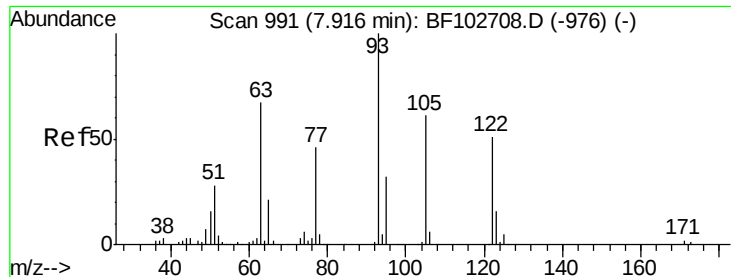
109 193.3 22.7 34.1#

65 161.8 40.5 60.7#



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

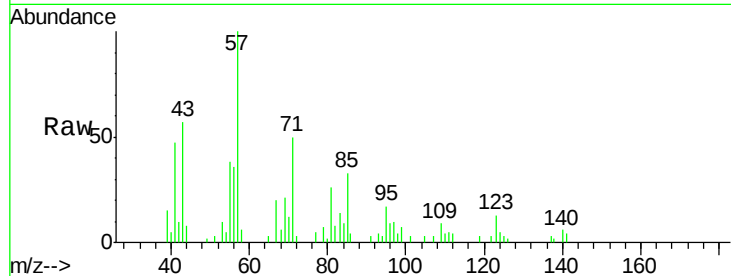




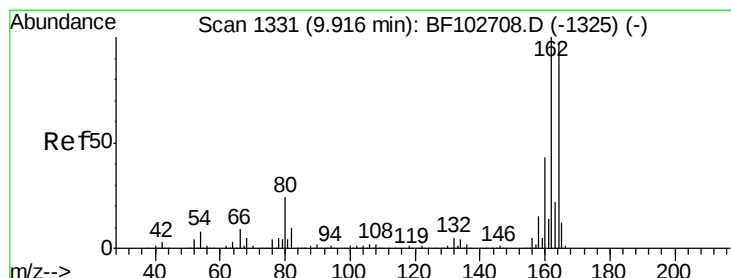
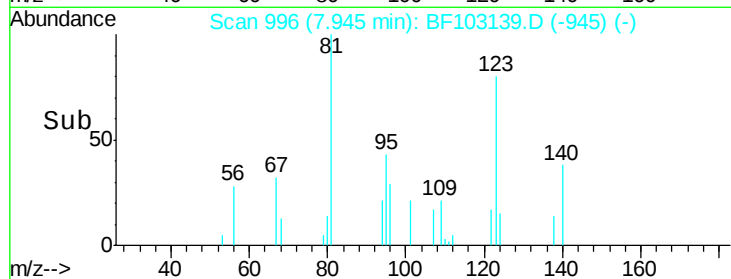
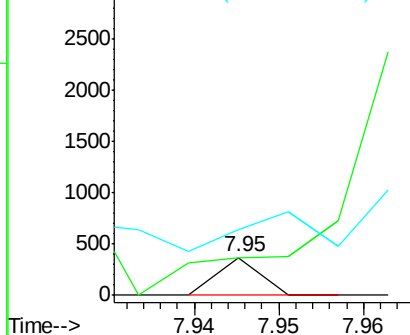
#32
Benzoic acid
Concen: 8.561 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF103139.D
Acq: 21 Feb 2018 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	98.4	101.1	141.1#
77	172.4	70.7	110.7#

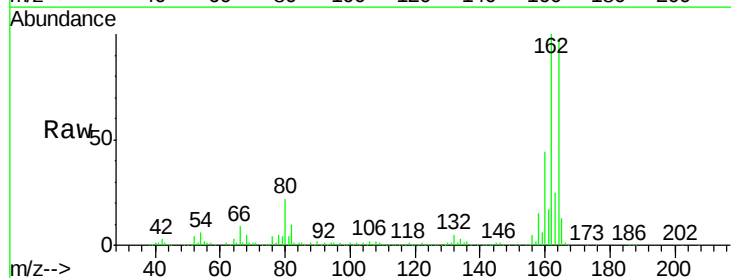


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

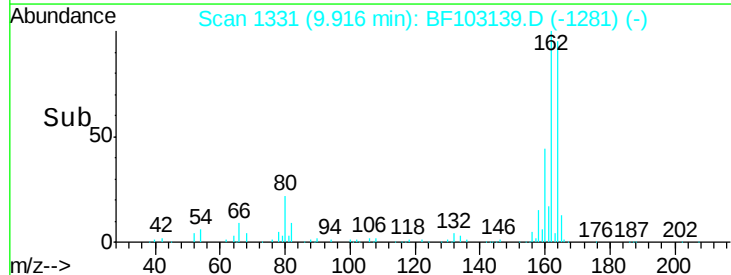
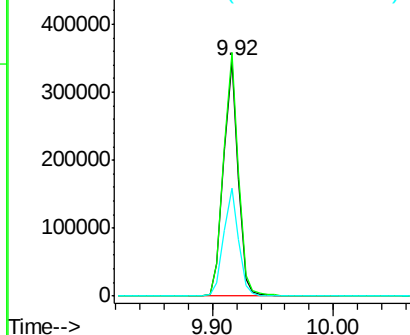


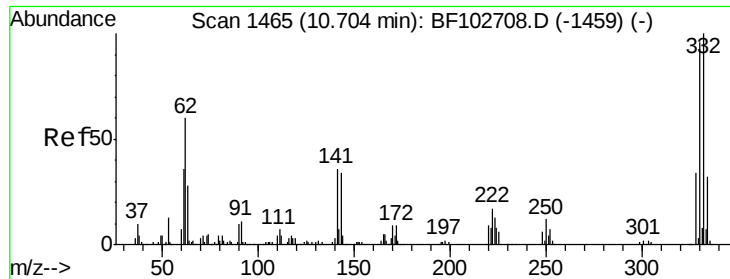
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103139.D
Acq: 21 Feb 2018 16:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	45.7	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

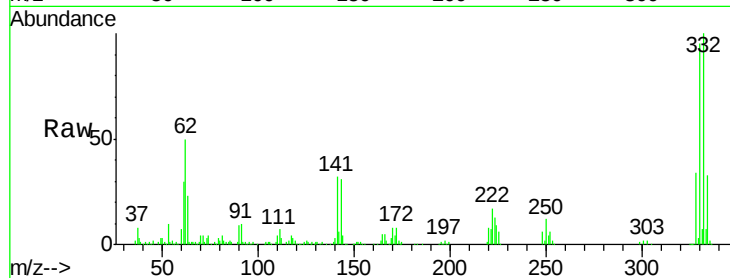




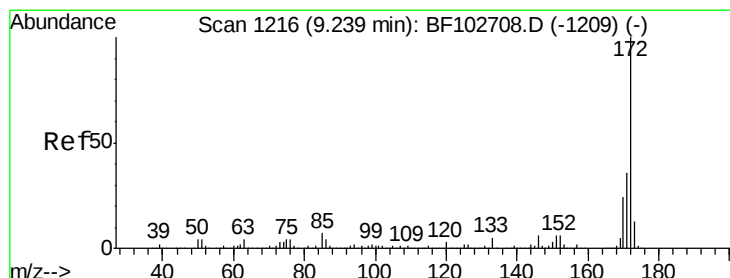
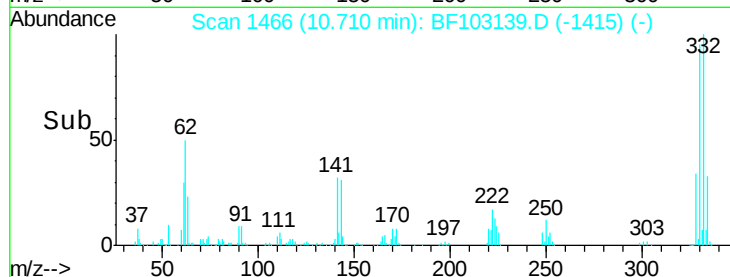
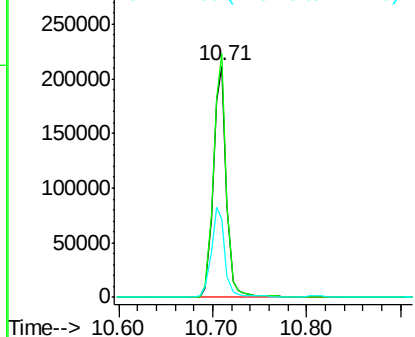
#41
 2,4,6-Tribromophenol
 Concen: 89.849 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103139.D
 Acq: 21 Feb 2018 16:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.5	77.0	115.6
141	39.6	29.9	44.9

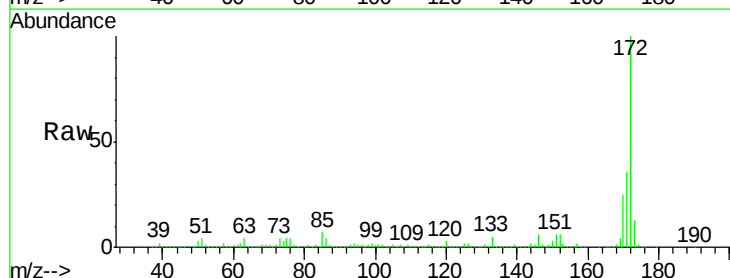


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

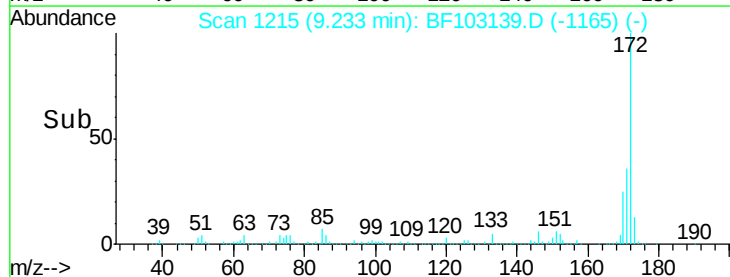
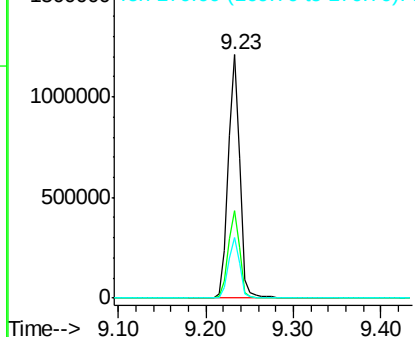


#44
 2-Fluorobiphenyl
 Concen: 63.525 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103139.D
 Acq: 21 Feb 2018 16:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.8	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

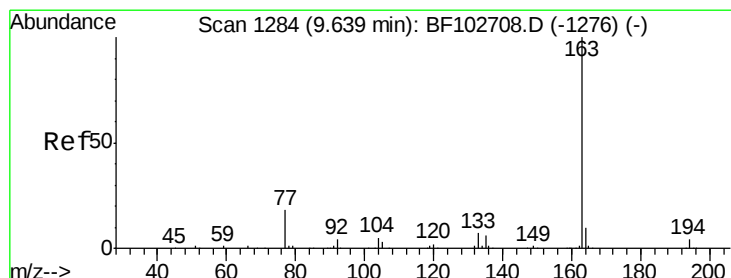
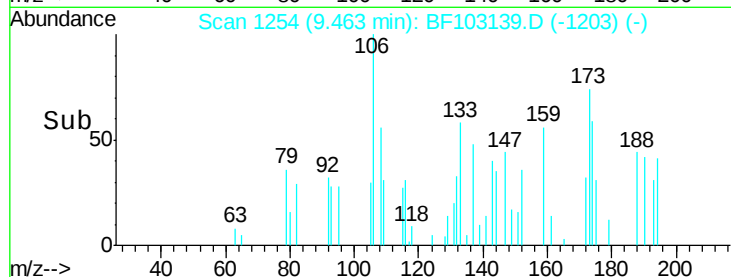
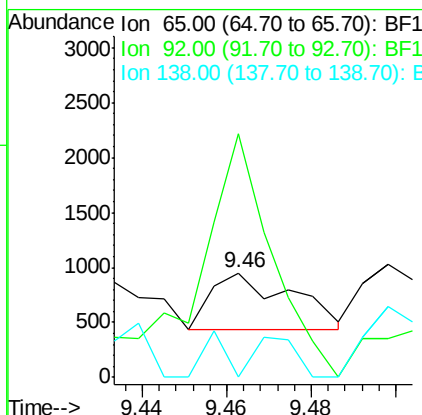
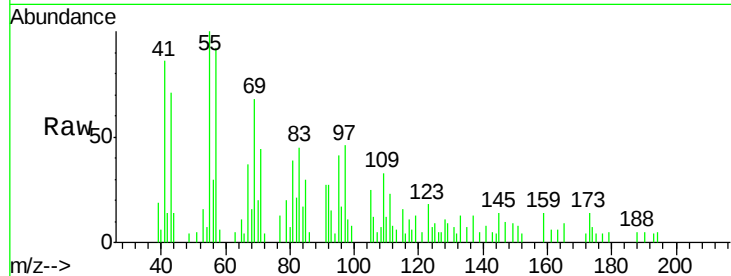




#47
2-Nitroaniline
Concen: 3.580 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BF103139.D
Acq: 21 Feb 2018 16:32

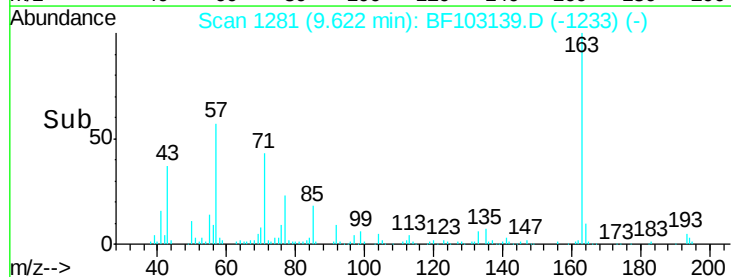
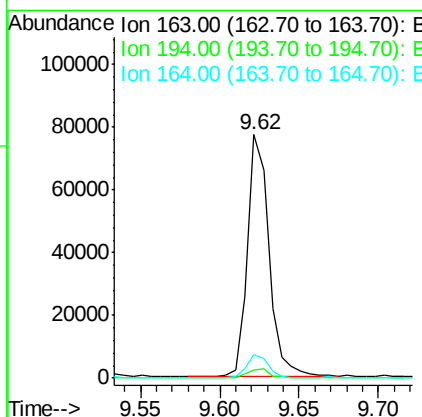
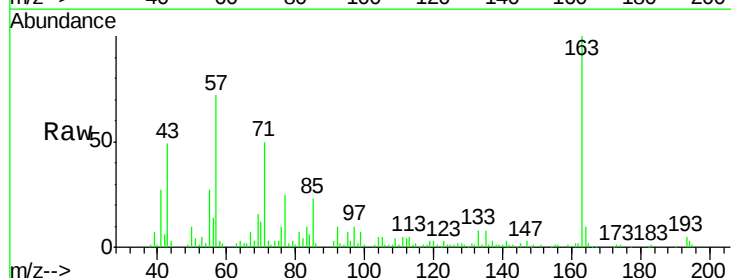
Instrument :
BNA_F
ClientSampled :

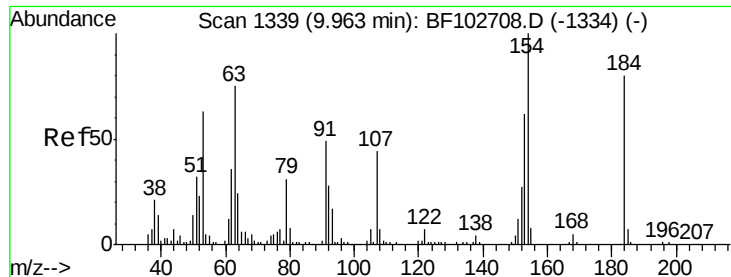
Tot Ion: 65 Resp: 693
Ion Ratio Lower Upper
65 100
92 232.5 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 3.222 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103139.D
Acq: 21 Feb 2018 16:32

Tgt Ion: 163 Resp: 73107
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.7 8.2 12.2

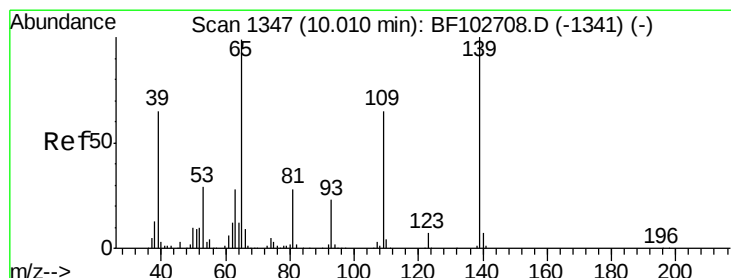
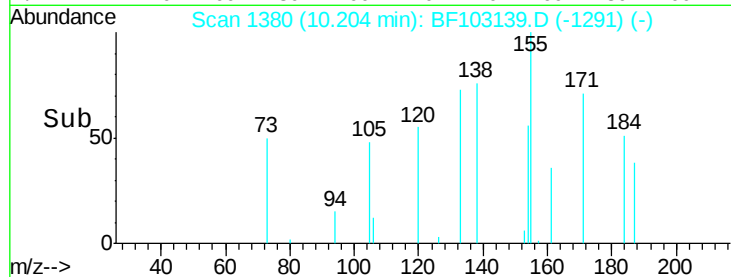
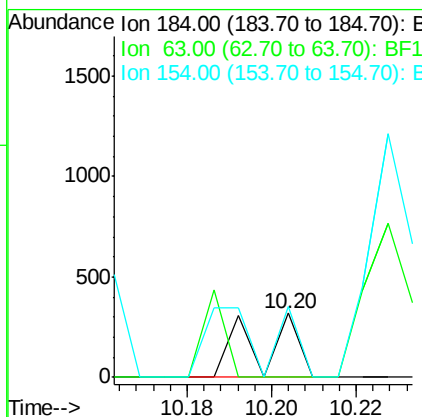
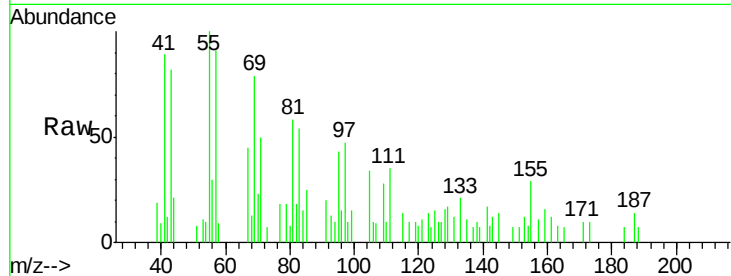




#53
2,4-Dinitrophenol
Concen: 8.213 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.22 min
Lab File: BF103139.D
Acq: 21 Feb 2018 16:32

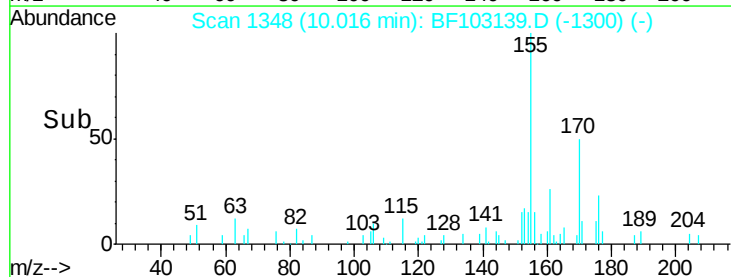
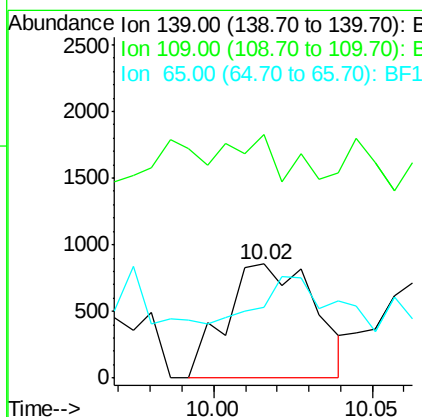
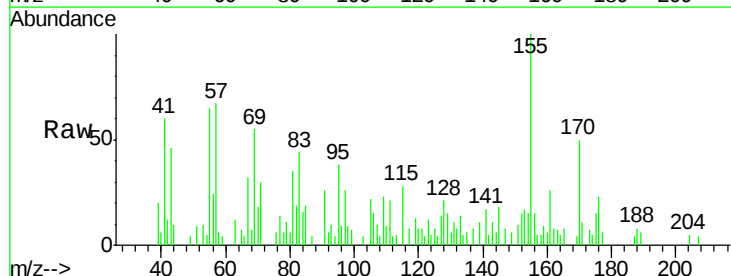
Instrument :
BNA_F
ClientSampleId :

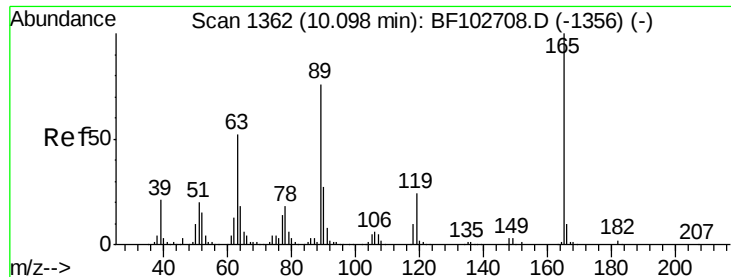
Tot Ion:184 Resp: 222
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 110.0 184.0 276.0#



#55
4-Nitrophenol
Concen: 4.387 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.02 min
Lab File: BF103139.D
Acq: 21 Feb 2018 16:32

Tgt Ion:139 Resp: 1667
Ion Ratio Lower Upper
139 100
109 213.8 48.4 88.4#
65 62.4 72.6 112.6#

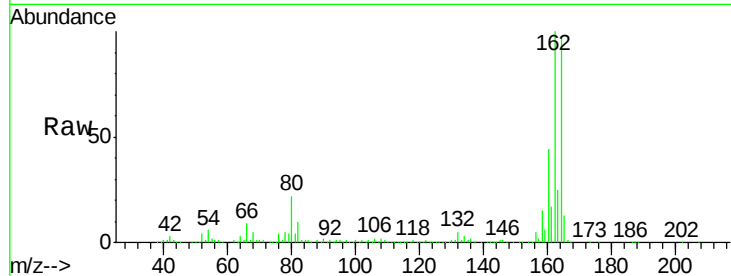




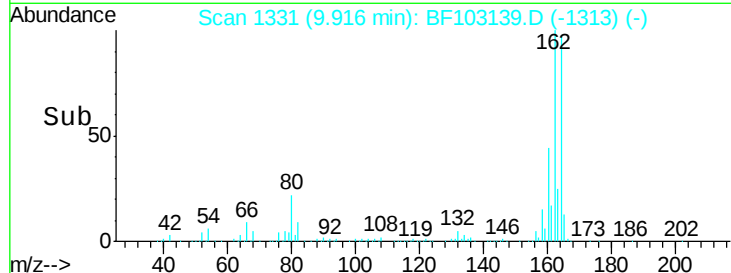
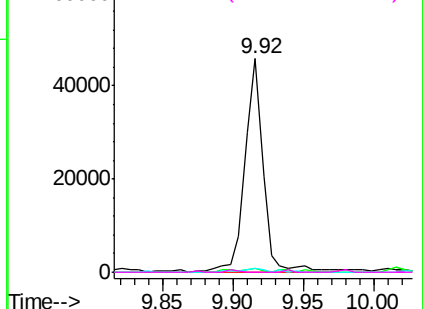
#56
 2,4-Dinitrotoluene
 Concen: 9.886 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103139.D
 Acq: 21 Feb 2018 16:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 42129
 Ion Ratio Lower Upper
 165 100
 63 1.9 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

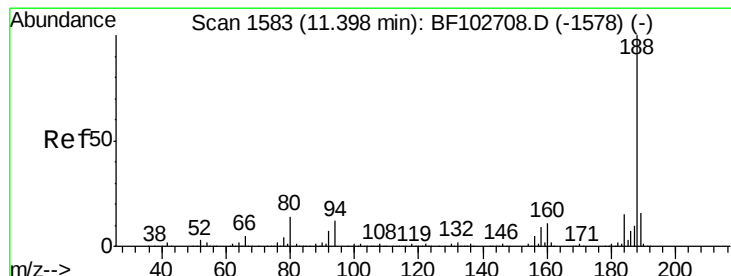


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

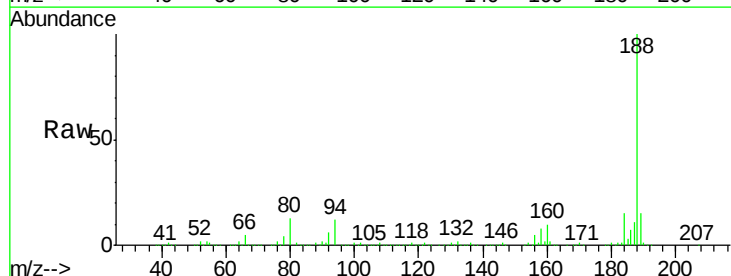
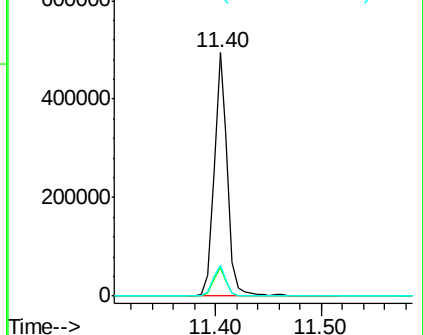


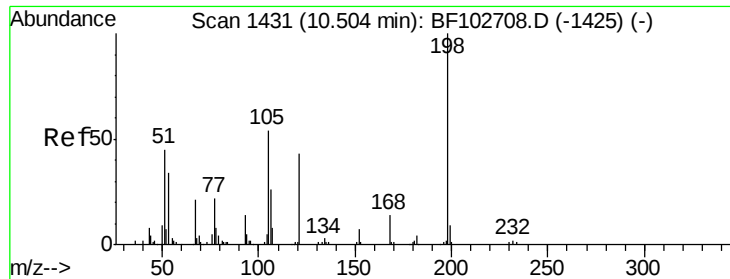
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103139.D
 Acq: 21 Feb 2018 16:32

Tgt Ion:188 Resp: 436650
 Ion Ratio Lower Upper
 188 100
 94 11.8 8.5 12.7
 80 12.9 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





#64

4,6-Dinitro-2-methylphenol

Concen: 8.974 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF103139.D

Acq: 21 Feb 2018 16:32

Instrument :

BNA_F

ClientSampleId :

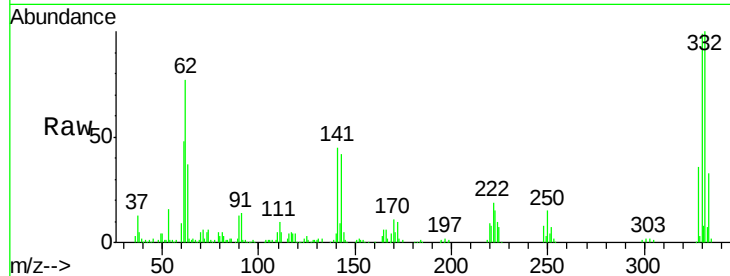
Tot Ion:198 Resp: 357

Ion Ratio Lower Upper

198 100

51 226.0 37.7 77.7#

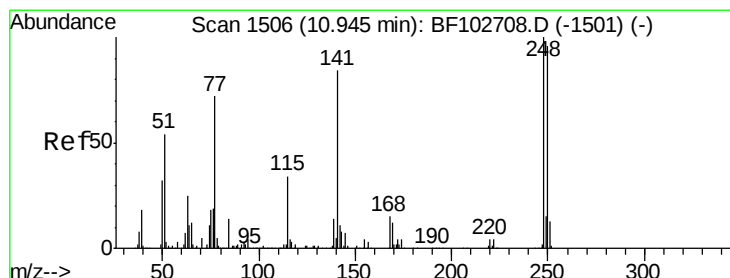
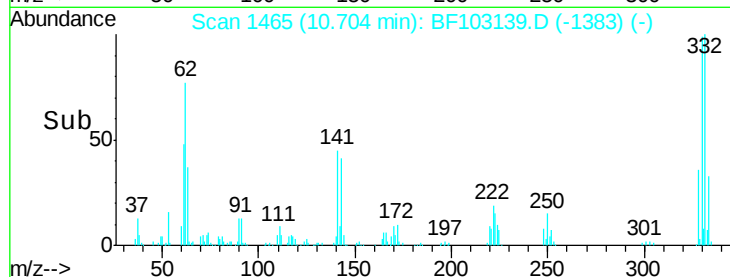
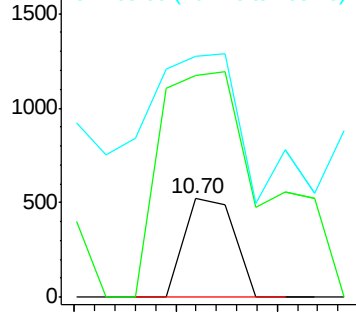
105 244.8 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 3.139 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF103139.D

Acq: 21 Feb 2018 16:32

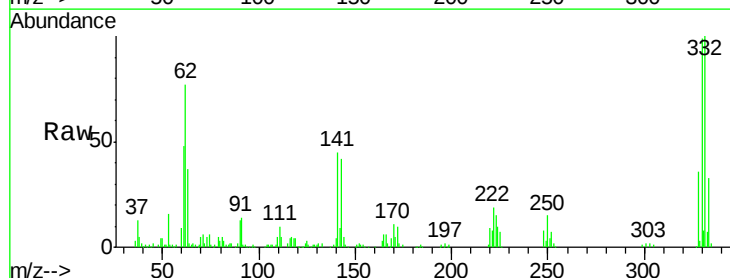
Tgt Ion:248 Resp: 14498

Ion Ratio Lower Upper

248 100

250 189.0 76.9 115.3#

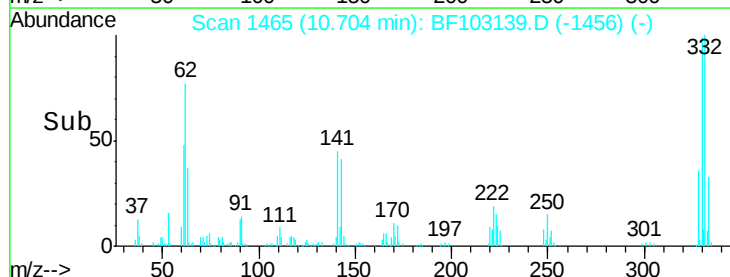
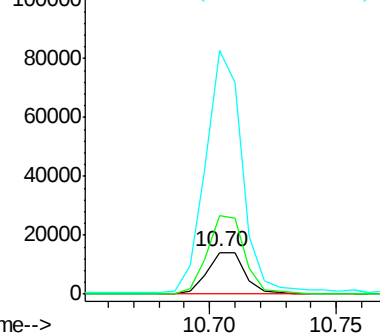
141 582.6 74.4 111.6#

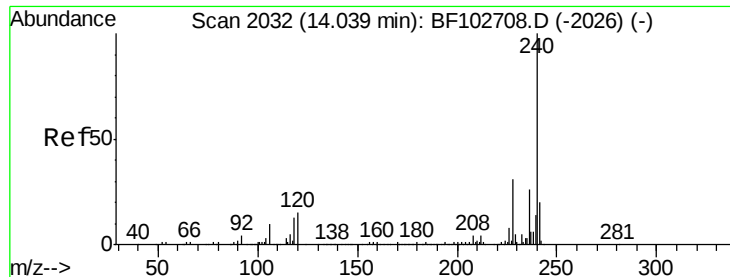


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103139.D

Acq: 21 Feb 2018 16:32

Instrument :

BNA_F

ClientSampleId :

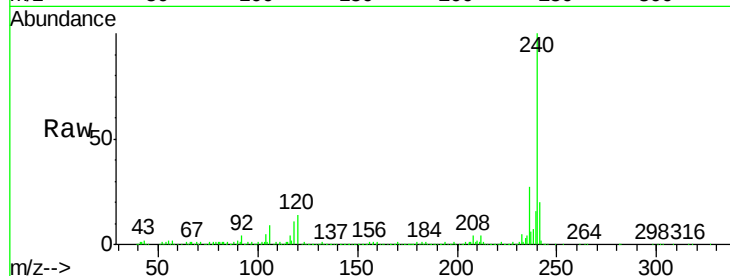
Tot Ion:240 Resp: 346478

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

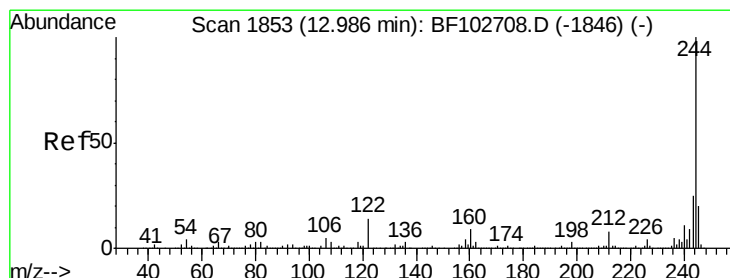
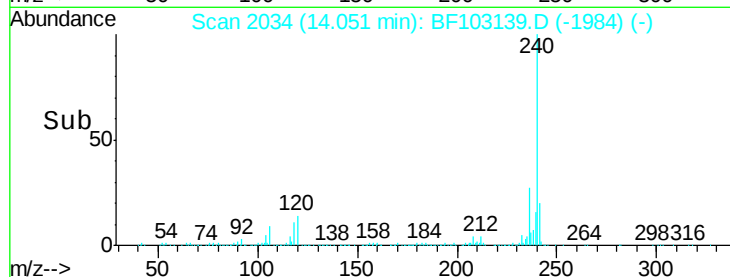
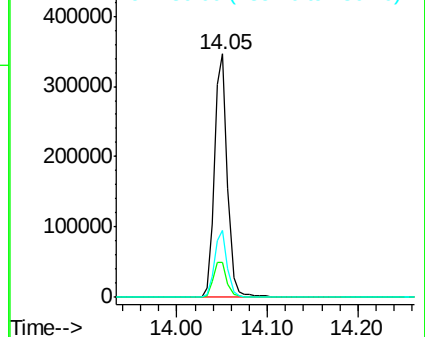
236 27.3 20.7 31.1



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: 57.784 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103139.D

Acq: 21 Feb 2018 16:32

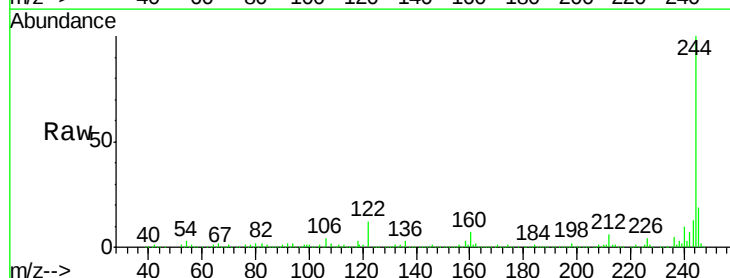
Tgt Ion:244 Resp: 845559

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

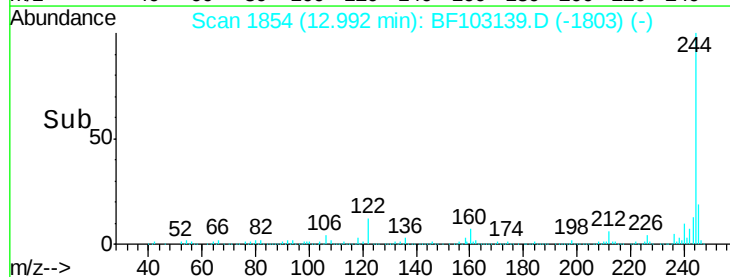
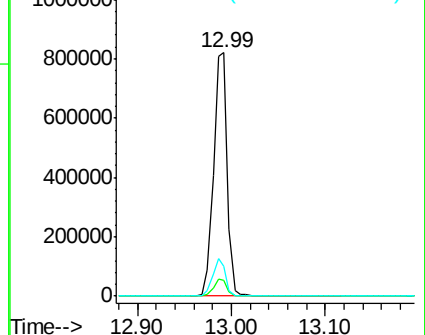
122 12.3 11.0 16.4

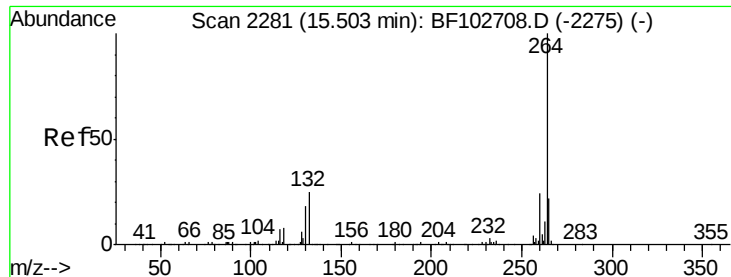


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

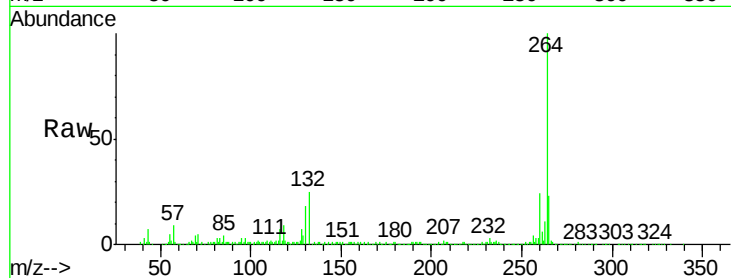




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103139.D
Acq: 21 Feb 2018 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.8	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

