

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106422.D
 Acq On : 14 Jun 2018 5:43
 Operator : JU/SJ
 Sample : J3398-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 06:51:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	140208	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	532097	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	278373	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	435552	20.00	ng	0.00
75) Chrysene-d12	14.14	240	349974	20.00	ng	-0.02
86) Perylene-d12	15.67	264	329391	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	471597	56.93	ng	-0.01
7) Phenol-d6	6.61	99	372426	35.58	ng	-0.01
23) Nitrobenzene-d5	7.53	82	794488	87.84	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	347926	129.90	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1300018	82.01	ng	0.00
78) Terphenyl-d14	13.08	244	1083095	76.87	ng	0.00

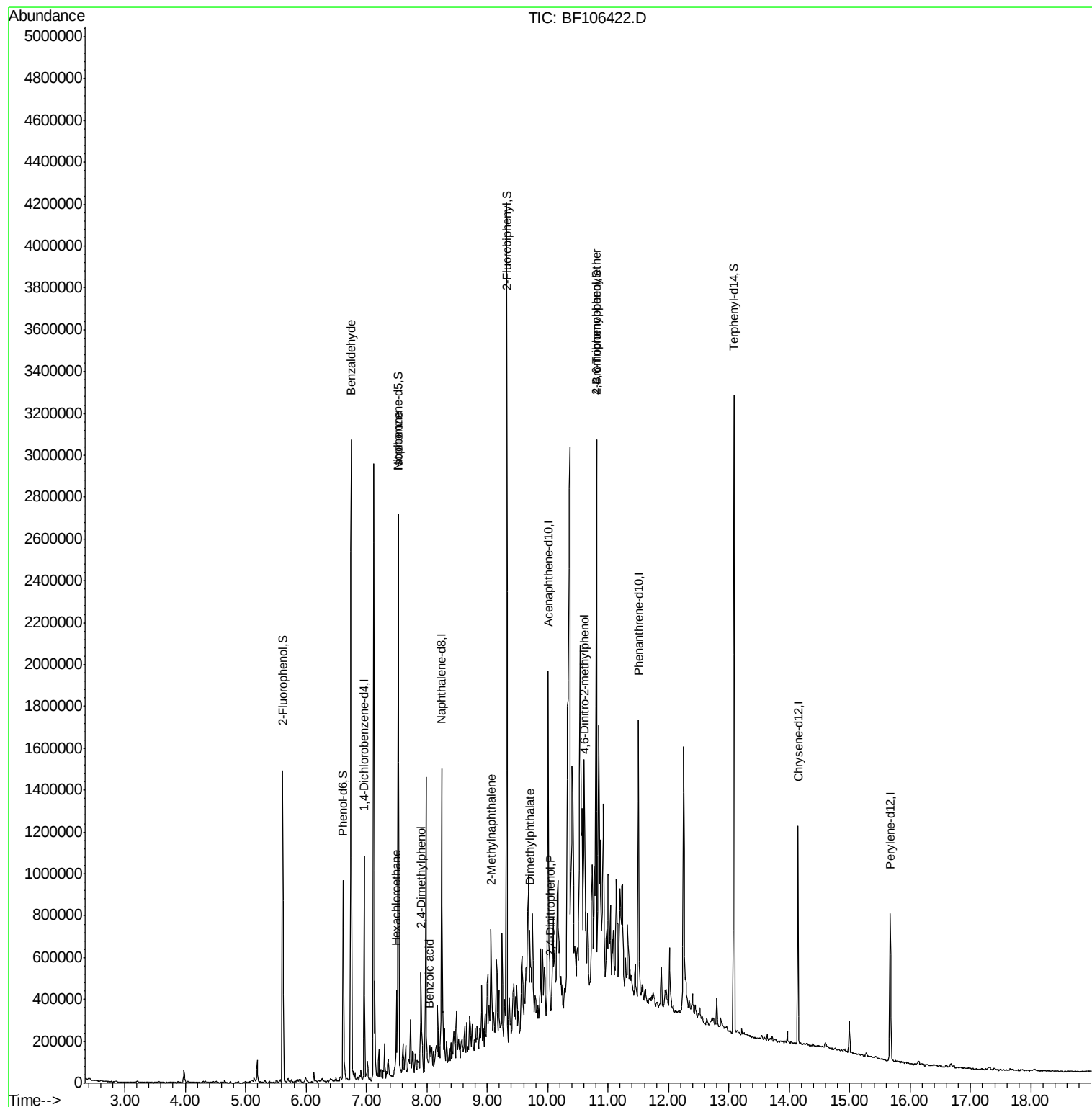
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	19458	2.451	ng	84
18) Hexachloroethane	7.50	117	28927	7.630	ng	# 1
25) Isophorone	7.53	82	787458	44.573	ng	# 64
27) 2,4-Dimethylphenol	7.90	122	75793	10.134	ng	97
32) Benzoic acid	8.04	122	3515	7.829	ng	# 31
37) 2-Methylnaphthalene	9.06	142	99620	6.081	ng	# 93
49) Dimethylphthalate	9.71	163	76139	3.828	ng	# 92
53) 2,4-Dinitrophenol	10.05	184	388	8.800	ng	# 5
64) 4,6-Dinitro-2-methylphenol	10.60	198	263	6.392	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	22230	4.487	ng	# 1

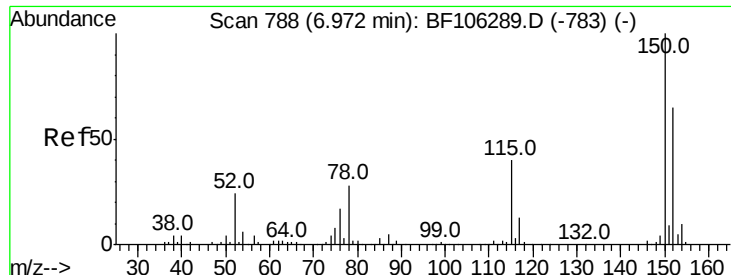
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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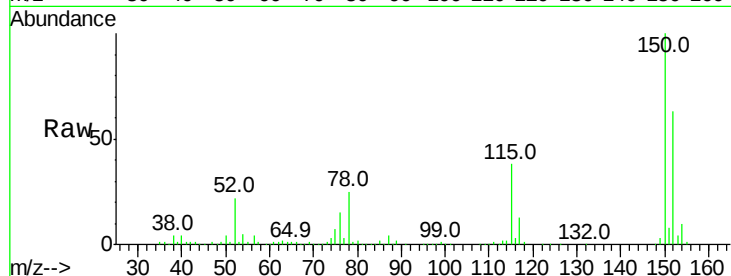


#1

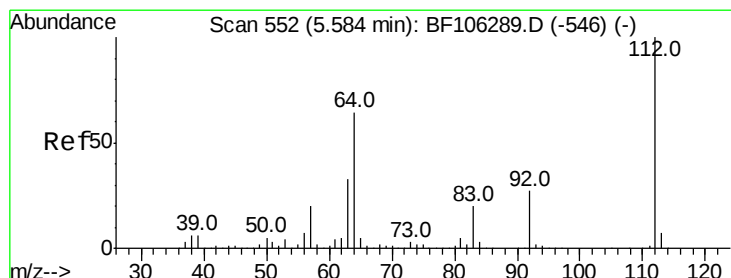
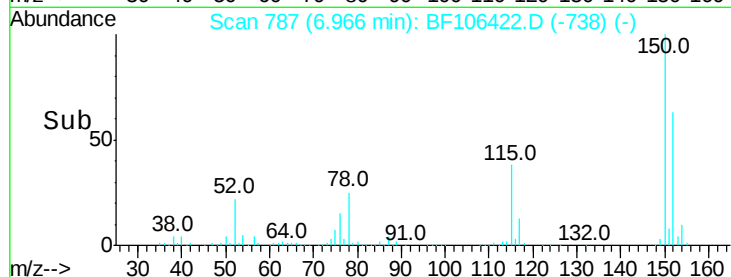
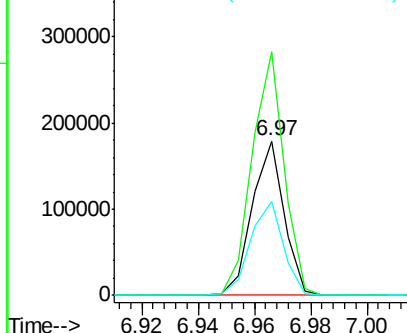
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106422.D
Acq: 14 Jun 2018 5:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140208
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 60.4 50.1 75.1



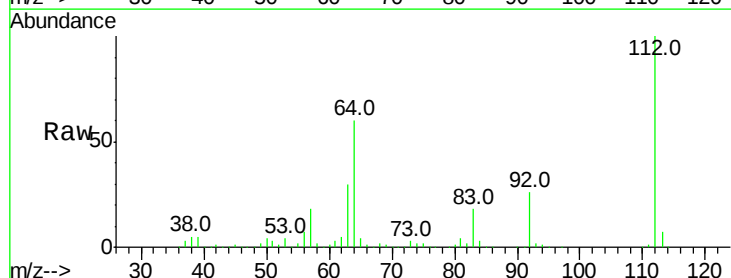
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



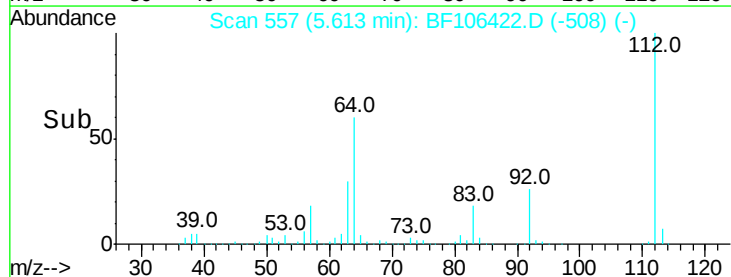
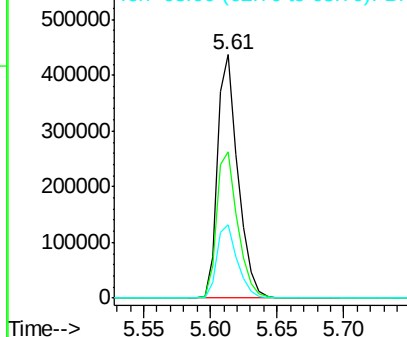
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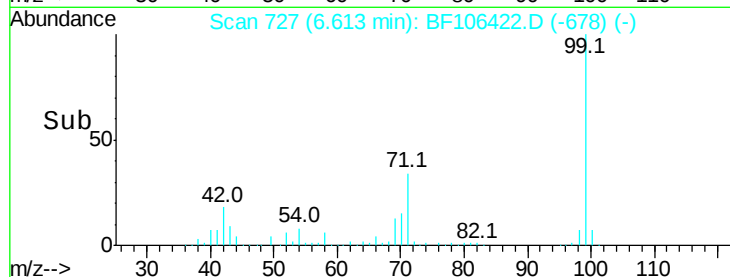
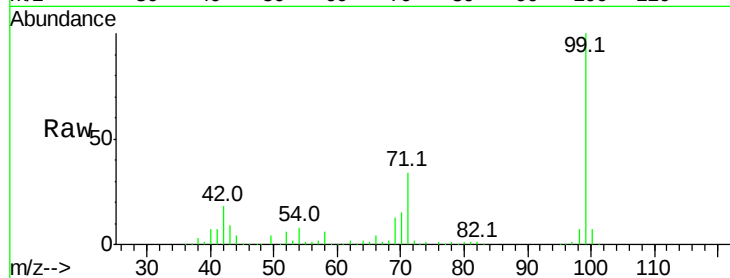
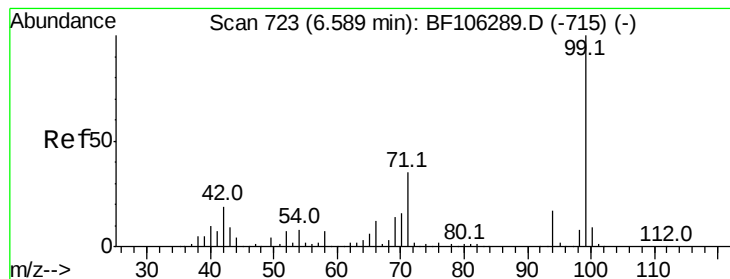
2-Fluorophenol
Concen: 56.928 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF106422.D
Acq: 14 Jun 2018 5:43

Tgt Ion:112 Resp: 471597
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 30.3 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: 35.584 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106422.D

Acq: 14 Jun 2018 5:43

Instrument :

BNA_F

ClientSampleId :

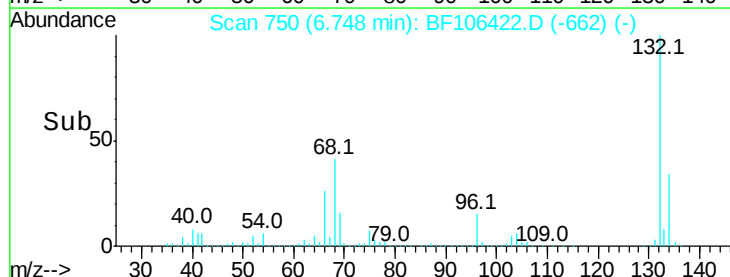
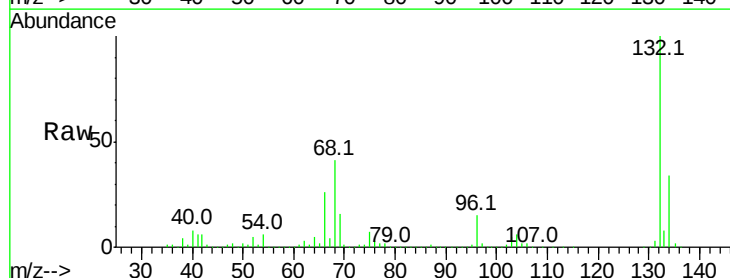
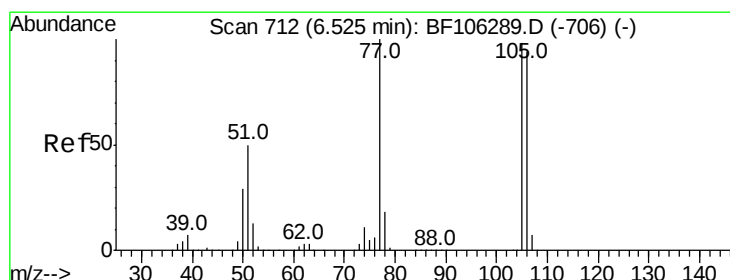
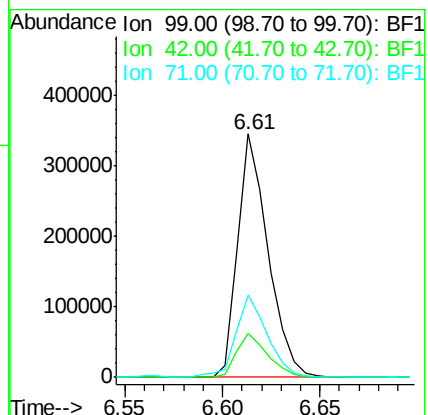
Tot Ion: 99 Resp: 372426

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

71 33.8 25.4 38.0



#9

Benzaldehyde

Concen: 2.451 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106422.D

Acq: 14 Jun 2018 5:43

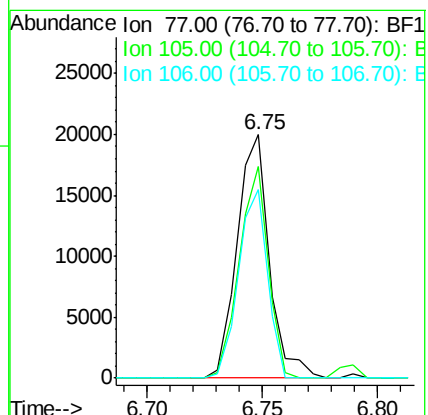
Tgt Ion: 77 Resp: 19458

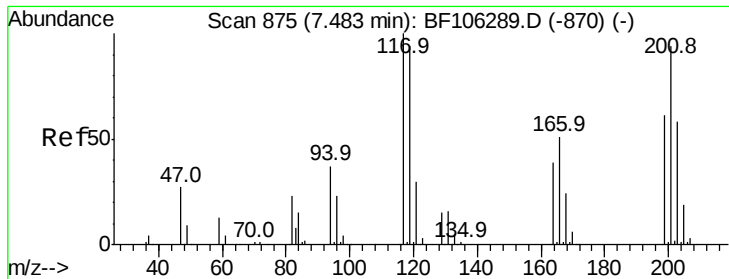
Ion Ratio Lower Upper

77 100

105 86.7 81.1 121.1

106 77.3 74.5 114.5

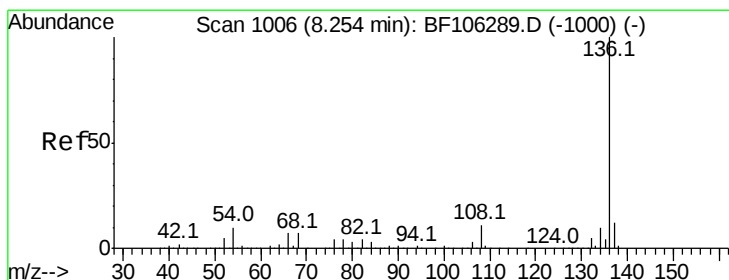
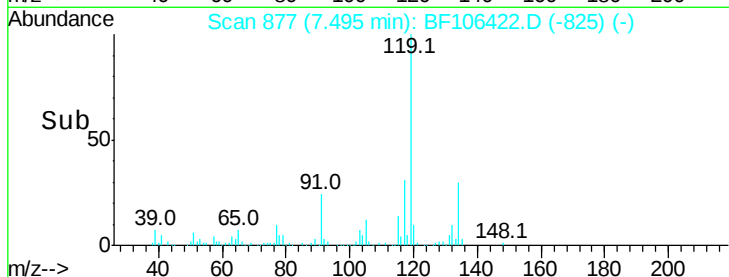
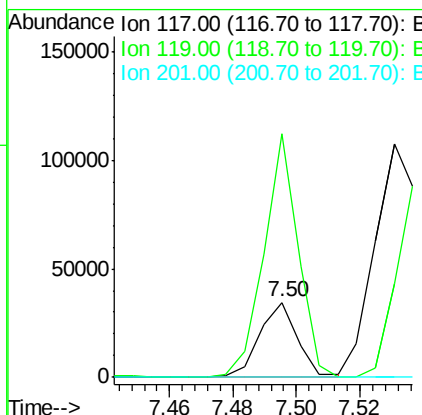
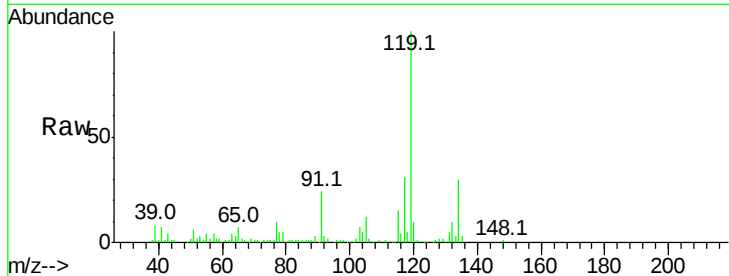




#18
Hexachloroethane
Concen: 7.630 ng
RT: 7.50 min Scan# 877
Delta R.T. 0.01 min
Lab File: BF106422.D
Acq: 14 Jun 2018 5:43

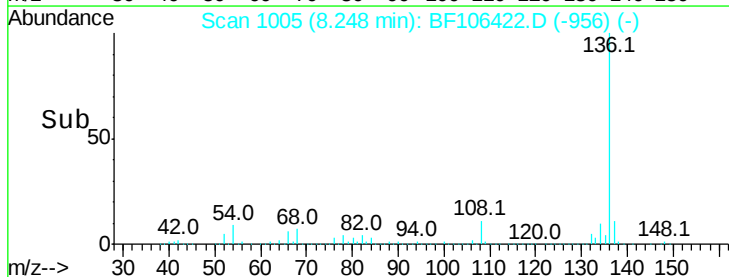
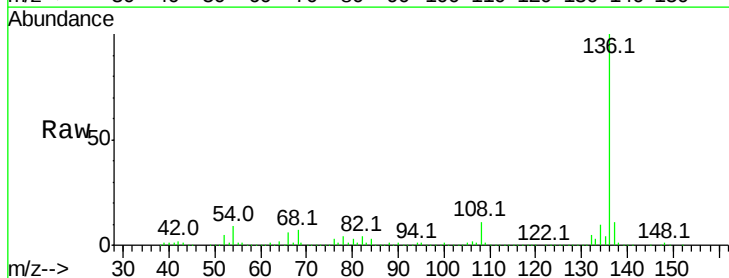
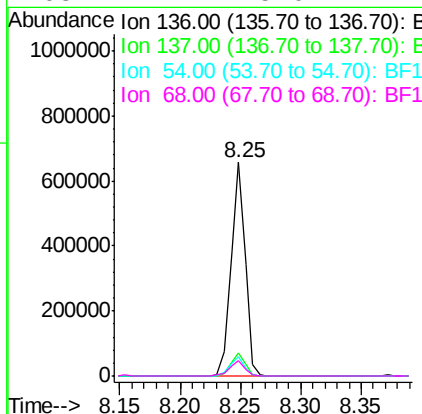
Instrument :
BNA_F
ClientSampleId :

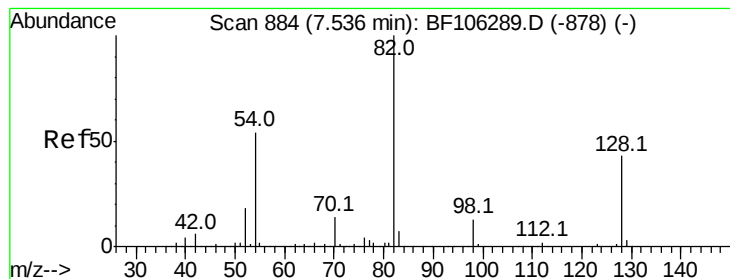
Tot Ion:117 Resp: 28927
Ion Ratio Lower Upper
117 100
119 324.7 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106422.D
Acq: 14 Jun 2018 5:43

Tgt Ion:136 Resp: 532097
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.2 6.6 9.8
68 7.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 87.838 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106422.D

Acq: 14 Jun 2018 5:43

Instrument :

BNA_F

ClientSampleId :

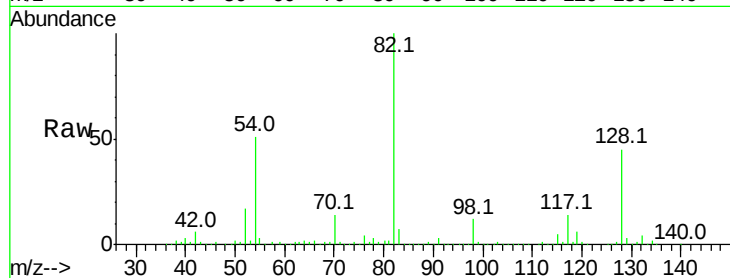
Tot Ion: 82 Resp: 794488

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

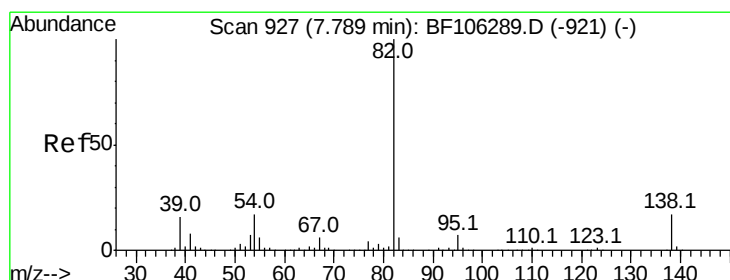
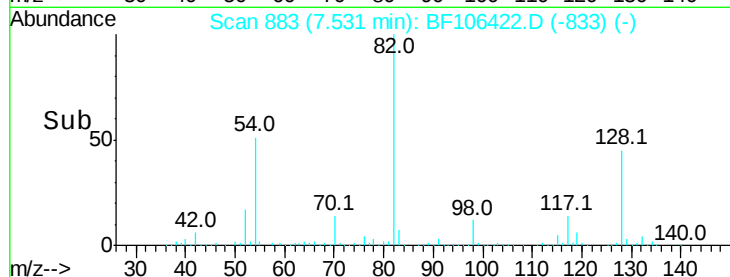
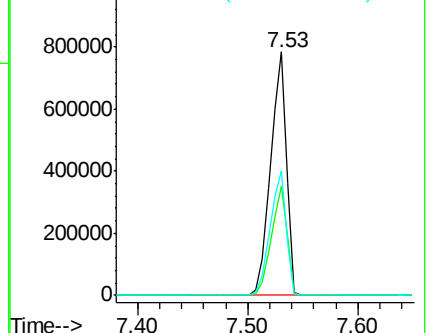
54 51.4 41.4 62.2



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: 44.573 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106422.D

Acq: 14 Jun 2018 5:43

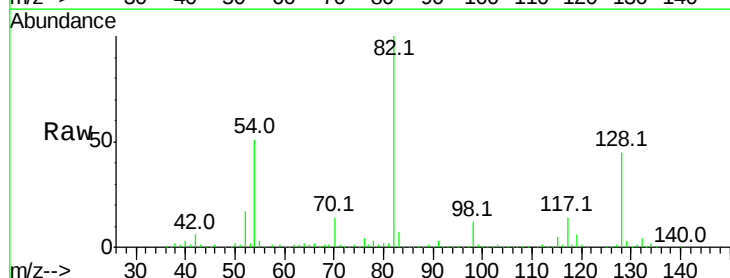
Tgt Ion: 82 Resp: 787458

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

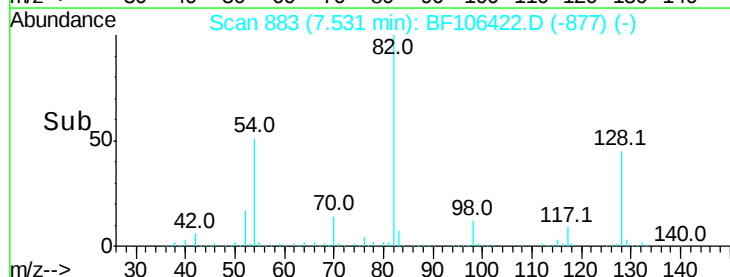
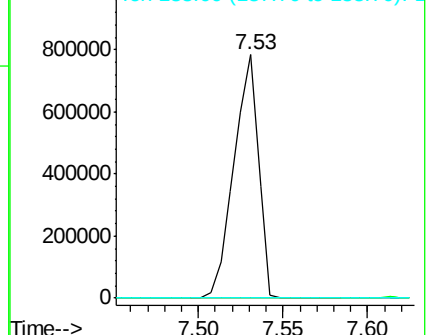
138 0.0 14.9 22.3#

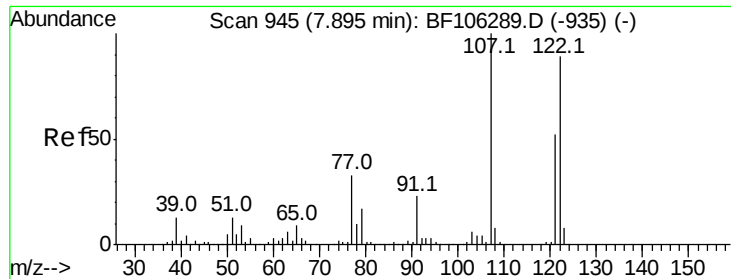


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

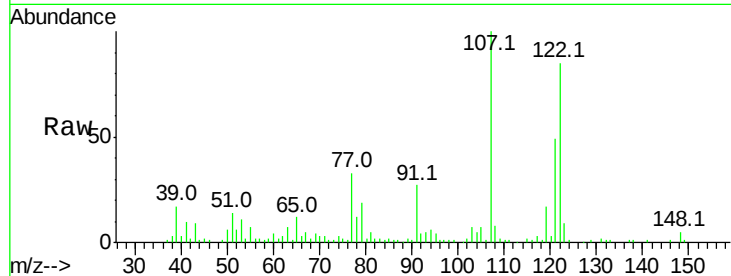




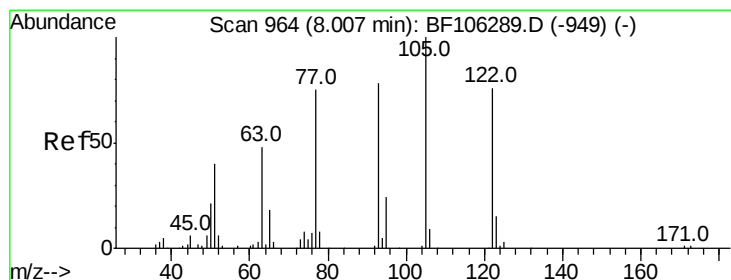
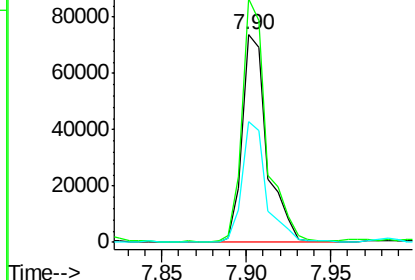
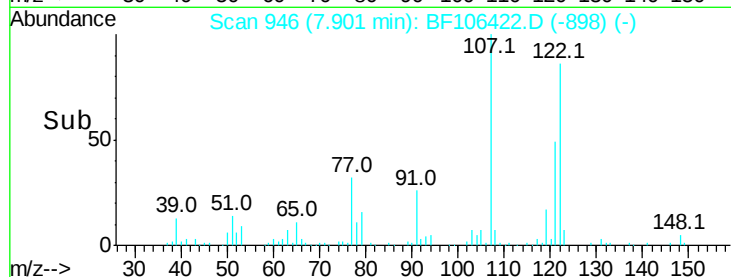
#27
2,4-Dimethylphenol
Concen: 10.134 ng
RT: 7.90 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF106422.D
Acq: 14 Jun 2018 5:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 75793
Ion Ratio Lower Upper
122 100
107 117.3 91.2 136.8
121 58.0 47.2 70.8

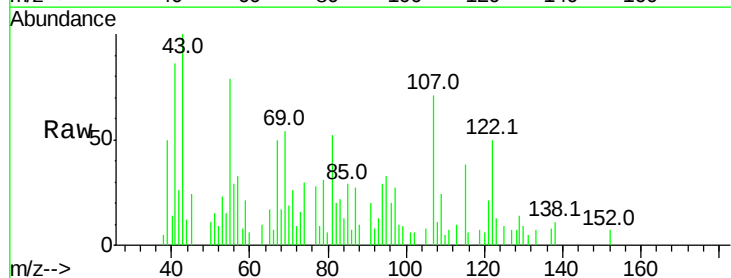


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

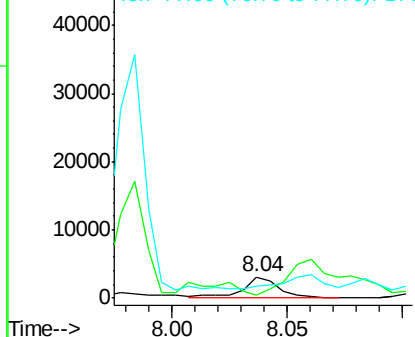
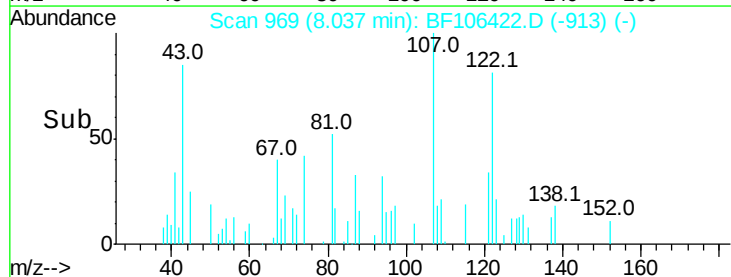


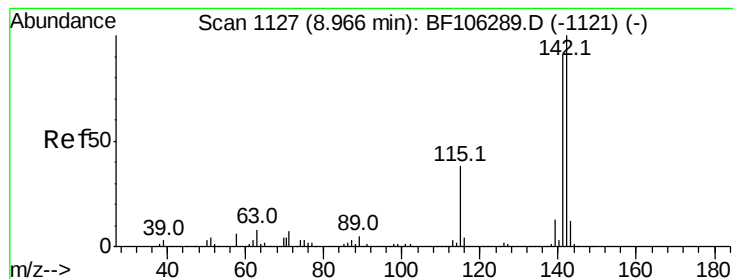
#32
Benzoic acid
Concen: 7.829 ng
RT: 8.04 min Scan# 969
Delta R.T. 0.03 min
Lab File: BF106422.D
Acq: 14 Jun 2018 5:43

Tgt Ion:122 Resp: 3515
Ion Ratio Lower Upper
122 100
105 15.2 101.1 141.1#
77 57.1 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

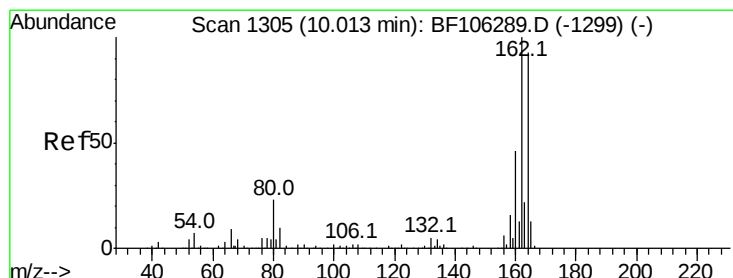
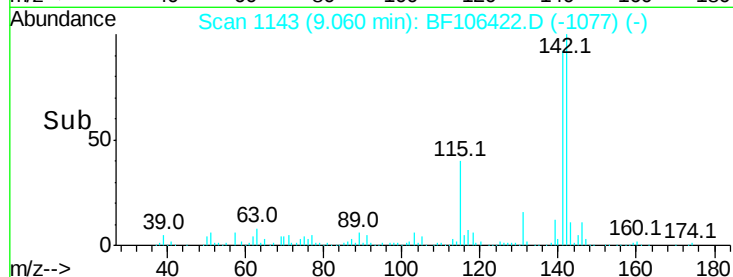
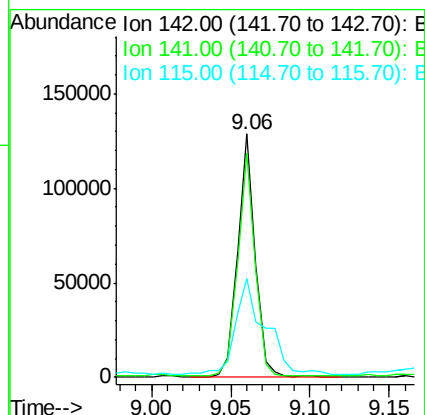
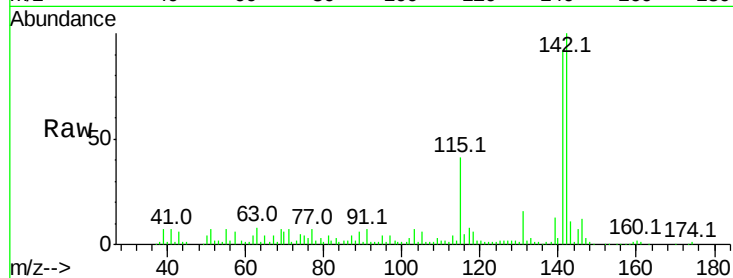




#37
 2-Methylnaphthalene
 Concen: 6.081 ng
 RT: 9.06 min Scan# 1143
 Delta R.T. 0.09 min
 Lab File: BF106422.D
 Acq: 14 Jun 2018 5:43

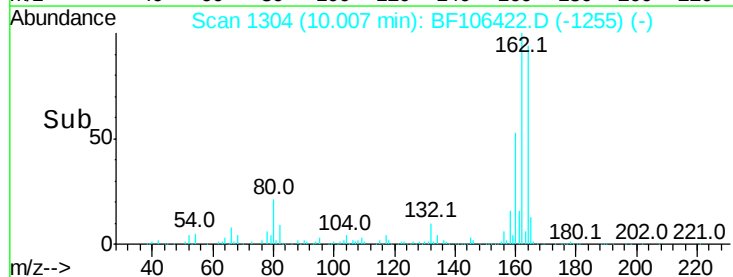
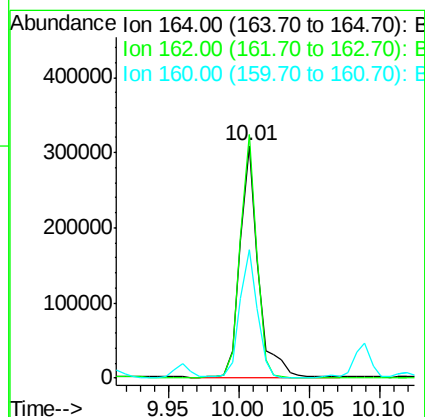
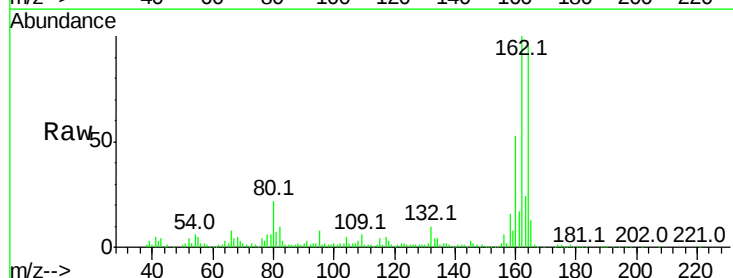
Instrument :
 BNA_F
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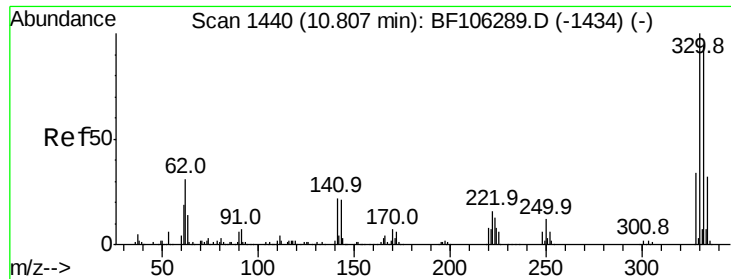
Tot Ion:142 Resp: 99620
 Ion Ratio Lower Upper
 142 100
 141 92.2 70.8 106.2
 115 40.7 26.1 39.1#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF106422.D
 Acq: 14 Jun 2018 5:43

Tgt Ion:164 Resp: 278373
 Ion Ratio Lower Upper
 164 100
 162 104.7 86.1 129.1
 160 55.2 38.3 57.5

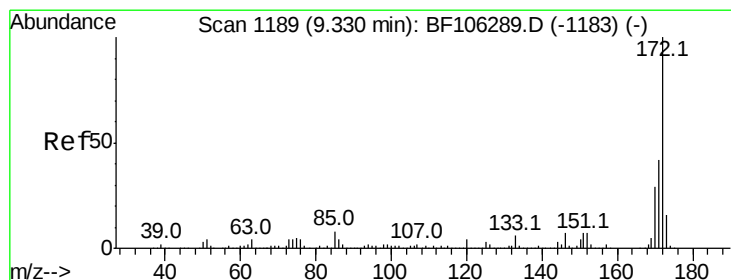
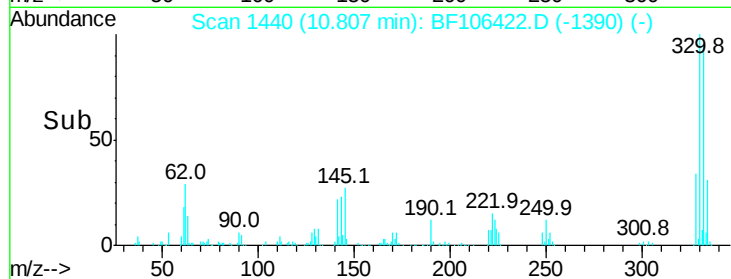
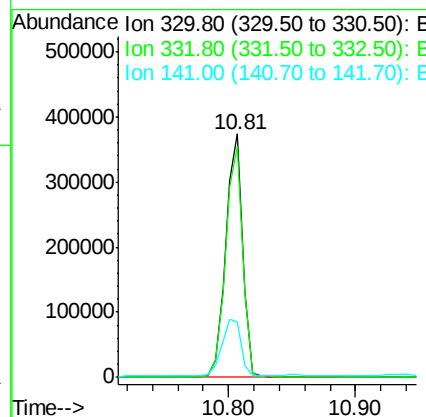
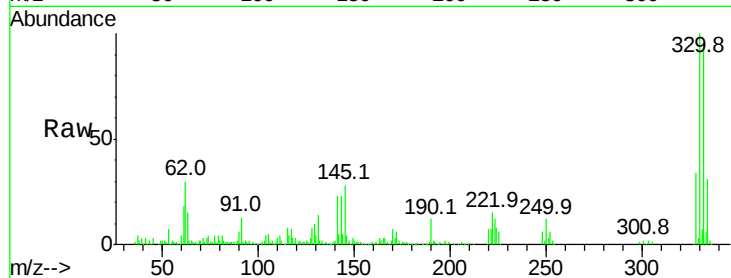




#41
 2,4,6-Tribromophenol
 Concen: 129.899 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF106422.D
 Acq: 14 Jun 2018 5:43

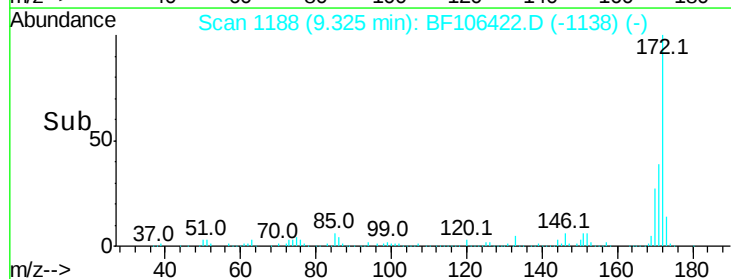
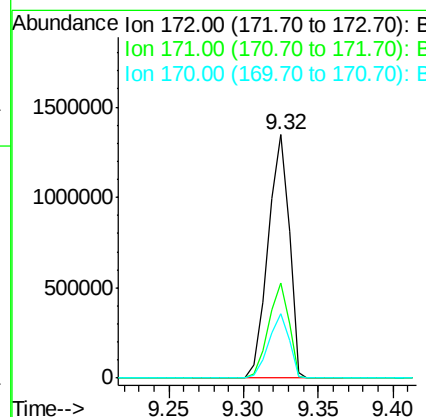
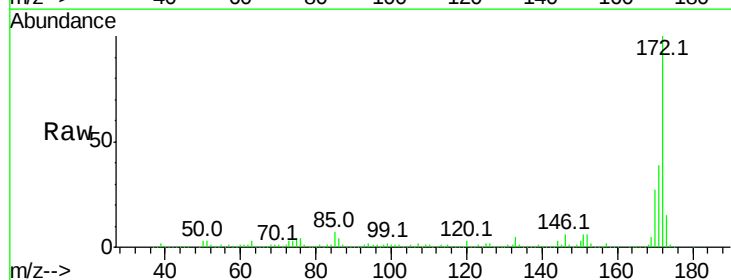
Instrument :
 BNA_F
 ClientSampled :

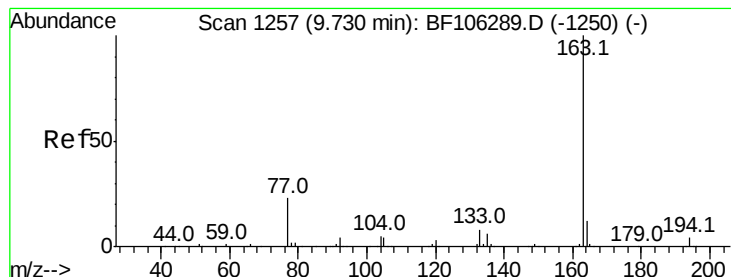
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	26.2	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 82.013 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106422.D
 Acq: 14 Jun 2018 5:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	29.7	44.5
170	26.7	19.6	29.4





#49

Dimethylphthalate

Concen: 3.828 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF106422.D

Acq: 14 Jun 2018 5:43

Instrument :

BNA_F

ClientSampled :

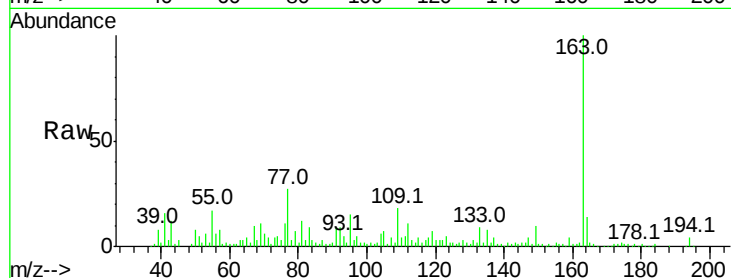
Tot Ion:163 Resp: 76139

Ion Ratio Lower Upper

163 100

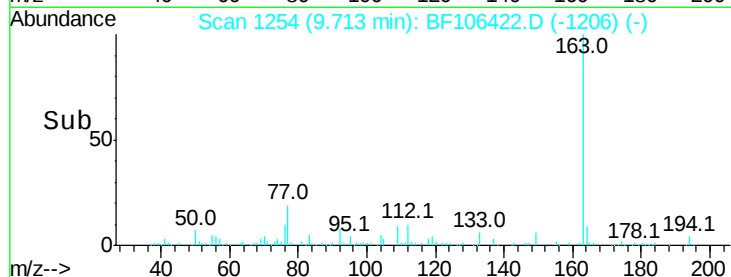
194 3.9 2.7 4.1

164 14.0 8.2 12.2#

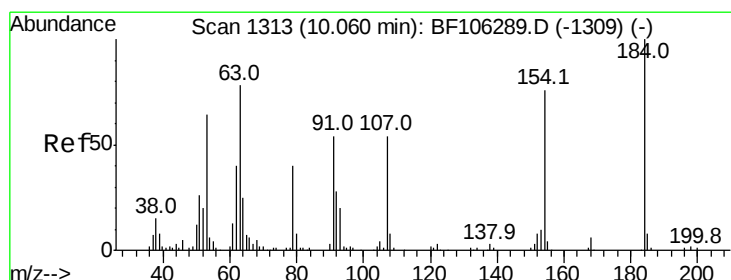


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

9.71



Time-->



#53

2,4-Dinitrophenol

Concen: 8.800 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF106422.D

Acq: 14 Jun 2018 5:43

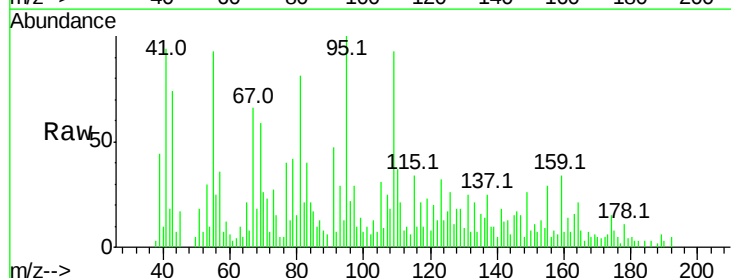
Tgt Ion:184 Resp: 388

Ion Ratio Lower Upper

184 100

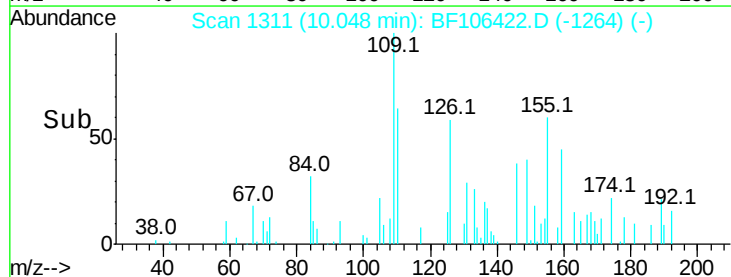
63 323.6 54.2 81.2#

154 279.4 184.0 276.0#

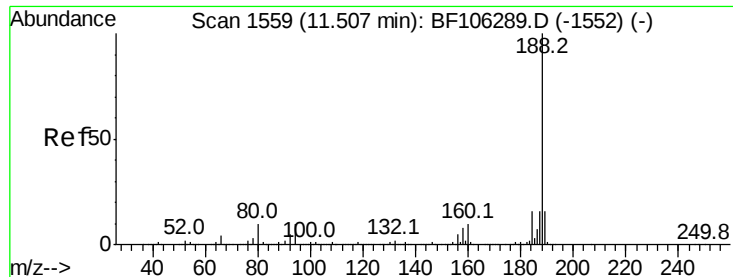


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

10.05



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF106422.D

Acq: 14 Jun 2018 5:43

Instrument :

BNA_F

ClientSampleId :

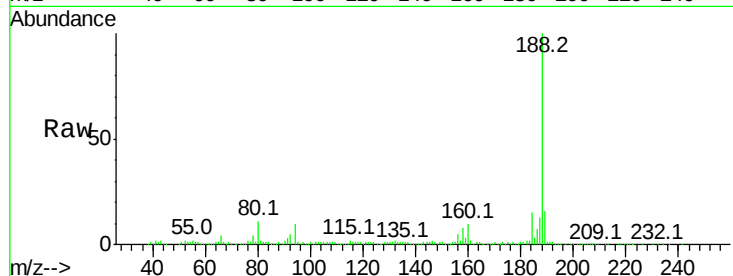
Tot Ion:188 Resp: 435552

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

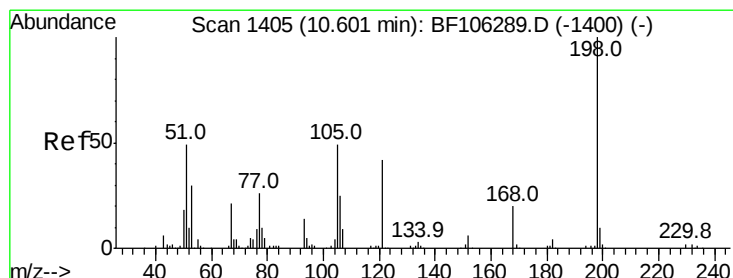
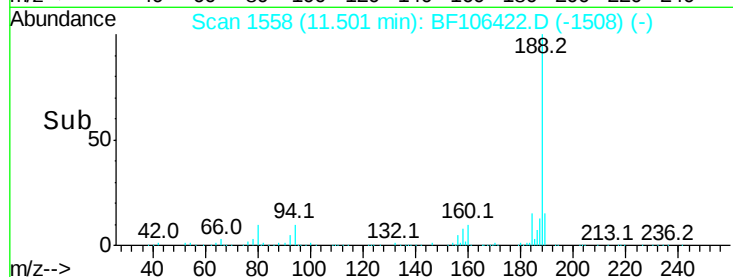
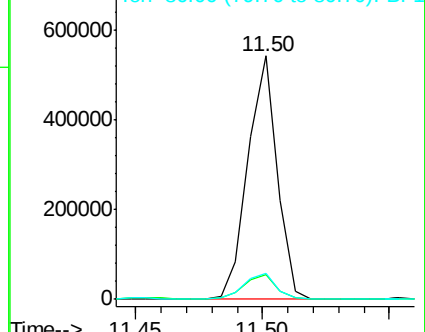
80 10.7 9.2 13.8



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: 6.392 ng

RT: 10.60 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF106422.D

Acq: 14 Jun 2018 5:43

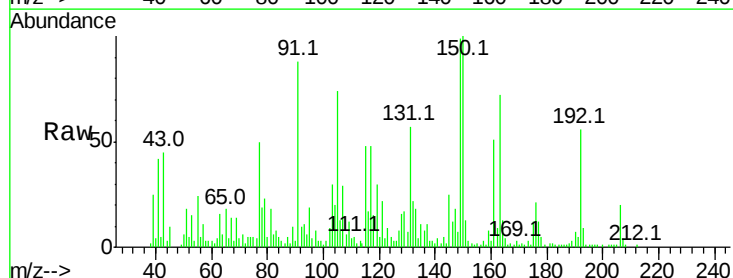
Tgt Ion:198 Resp: 263

Ion Ratio Lower Upper

198 100

51 2878.2 37.7 77.7#

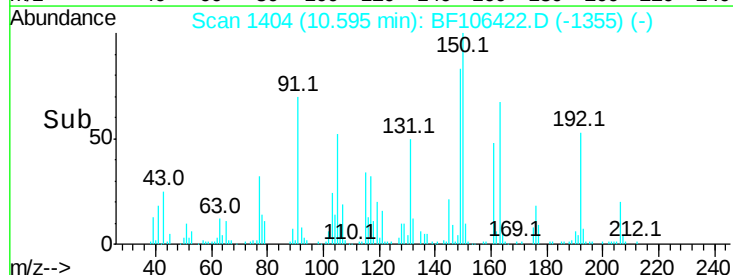
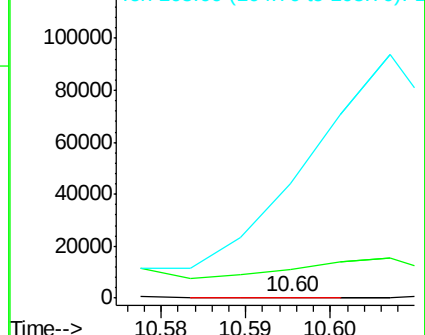
105 11685.1 36.3 76.3#

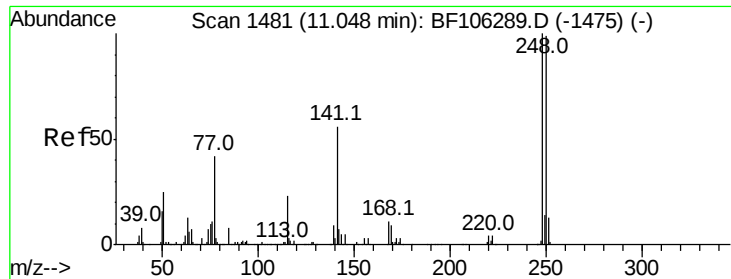


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

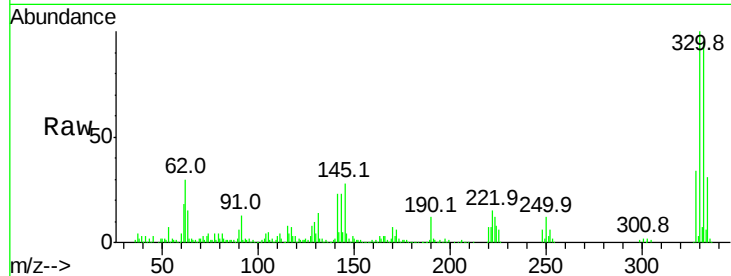




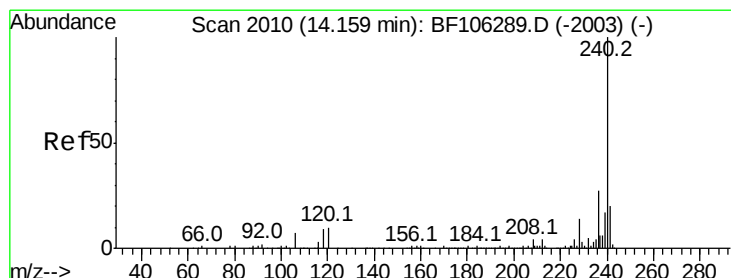
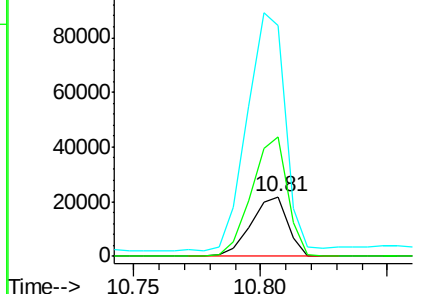
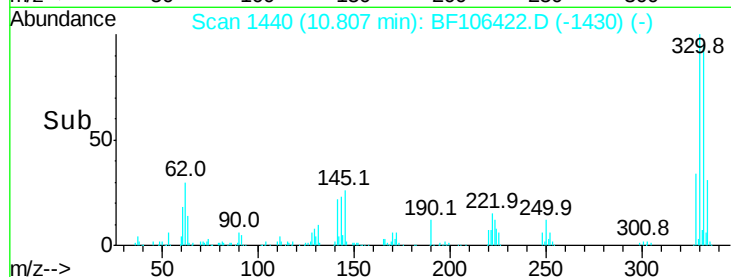
#66
4-Bromophenyl-phenylether
Concen: 4.487 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF106422.D
Acq: 14 Jun 2018 5:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 22230
Ion Ratio Lower Upper
248 100
250 198.6 76.9 115.3#
141 386.2 74.4 111.6#

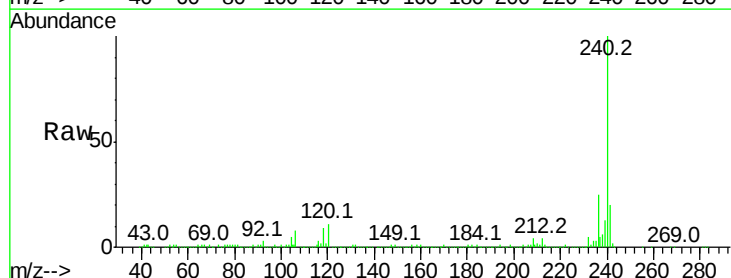


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

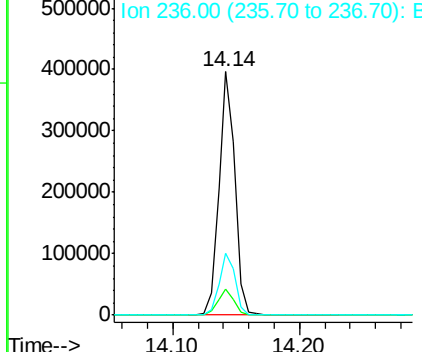
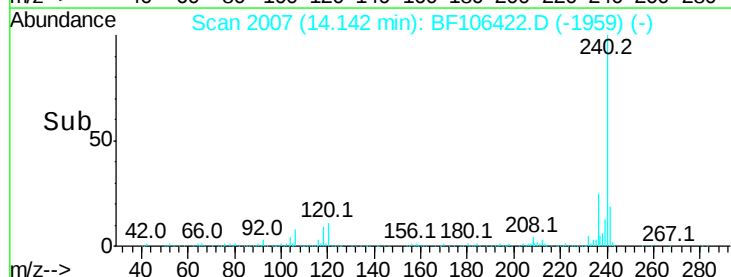


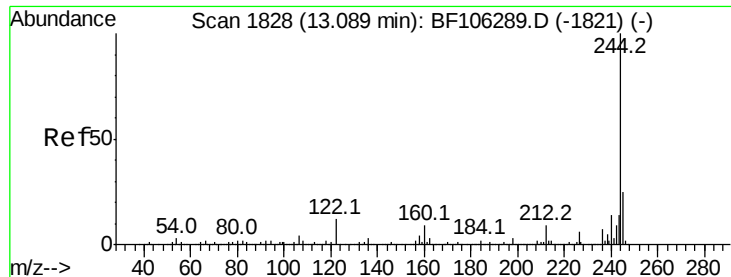
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF106422.D
Acq: 14 Jun 2018 5:43

Tgt Ion:240 Resp: 349974
Ion Ratio Lower Upper
240 100
120 10.9 9.5 14.3
236 25.3 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: 76.868 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106422.D

Acq: 14 Jun 2018 5:43

Instrument :

BNA_F

ClientSampleId :

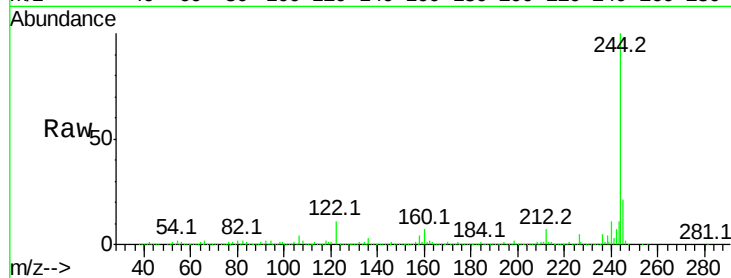
Tot Ion:244 Resp: 1083095

Ion Ratio Lower Upper

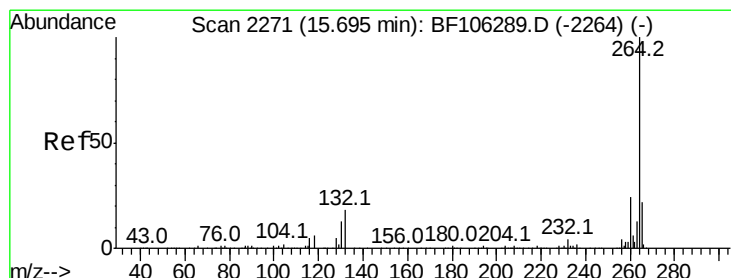
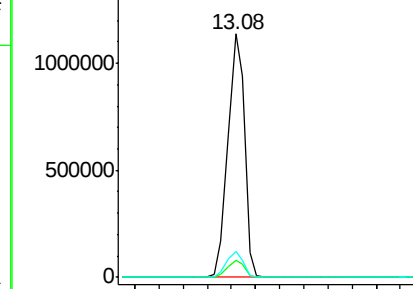
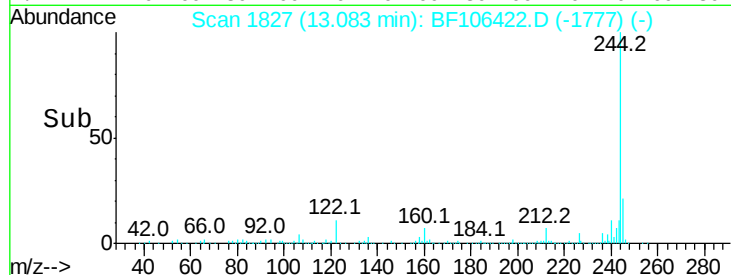
244 100

212 7.2 5.4 8.0

122 10.8 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: 15.67 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF106422.D

Acq: 14 Jun 2018 5:43

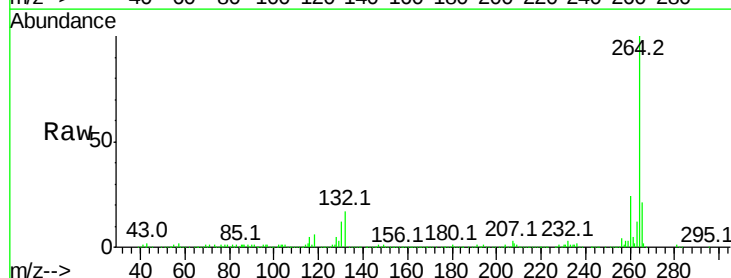
Tgt Ion:264 Resp: 329391

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 20.5 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

