

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096287.D
 Acq On : 29 Jun 2017 13:08
 Operator : SJ/MA
 Sample : I3906-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 17:32:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	163336	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	664021	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	251998	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	365945	20.00	ng	0.00
75) Chrysene-d12	13.92	240	309714	20.00	ng	0.00
86) Perylene-d12	15.34	264	237050	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	933147	82.31	ng	0.00
7) Phenol-d6	6.40	99	1137978	82.89	ng	0.00
23) Nitrobenzene-d5	7.33	82	639806	66.70	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	186461	94.02	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	996466	72.42	ng	-0.02
78) Terphenyl-d14	12.87	244	640081	51.57	ng	0.00

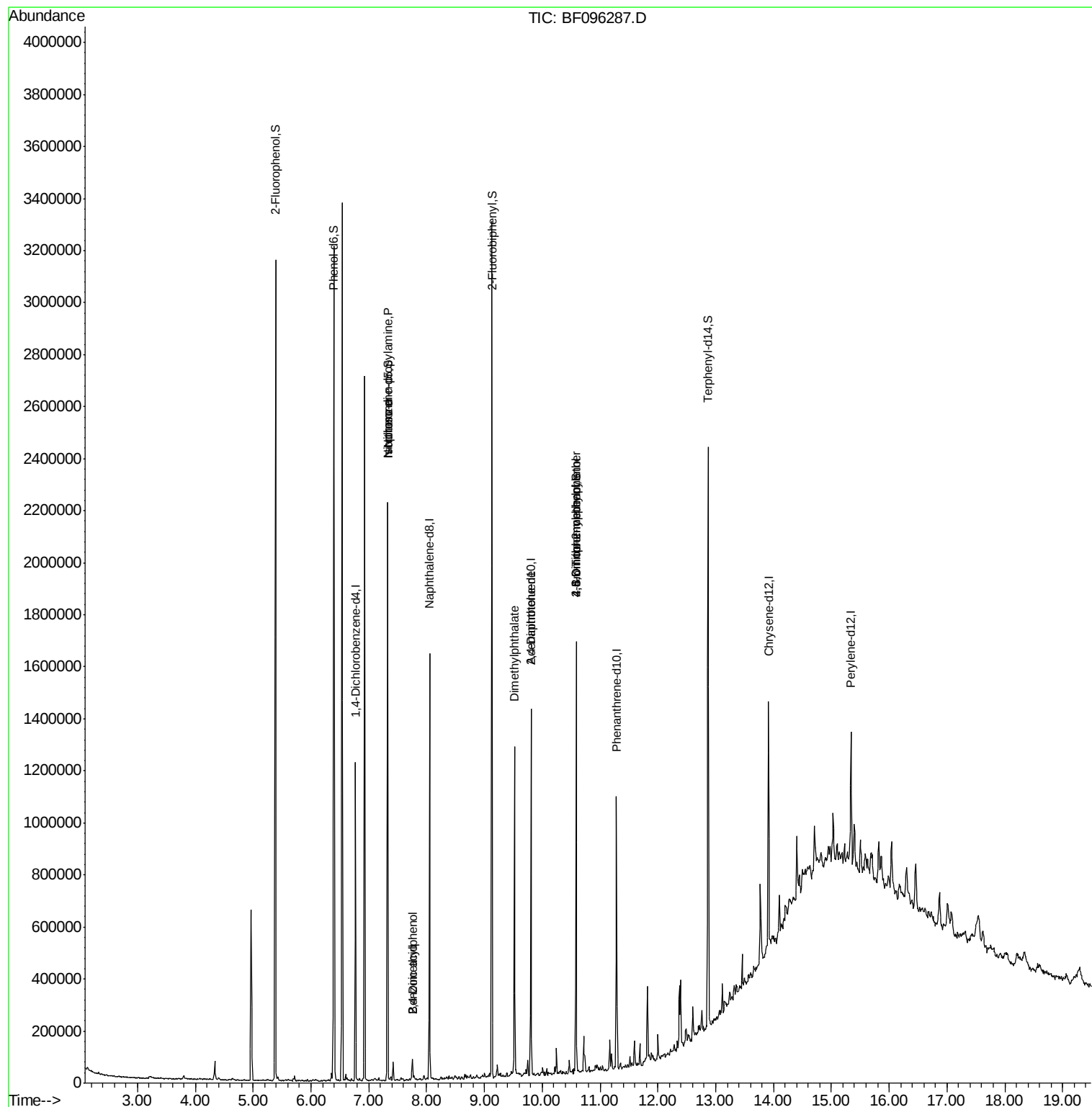
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	2076	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.33	70	83422	10.14	ng	88
25) Isophorone	7.33	82	639791	29.37	ng	67
27) 2,4-Dimethylphenol	7.76	122	20510	2.08	ng	5
32) Benzoic acid	7.76	122	20510	11.19	ng	97
49) Dimethylphthalate	9.52	163	479693	26.60	ng	100
56) 2,4-Dinitrotoluene	9.80	165	33509	7.09	ng	33
57) Fluorene	10.35	166	1635	Below Cal	#	79
60) 4-Chlorophenyl-phenylether	10.07	204	142	Below Cal	#	82
64) 4,6-Dinitro-2-methylphenol	10.59	198	148	8.81	ng	1
66) 4-Bromophenyl-phenylether	10.59	248	9941	2.64	ng	1
70) Phenanthrene	11.30	178	11413	Below Cal		96

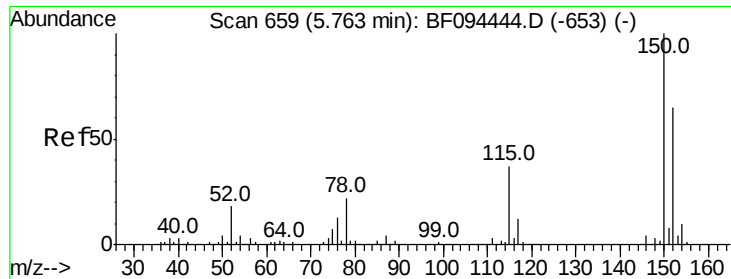
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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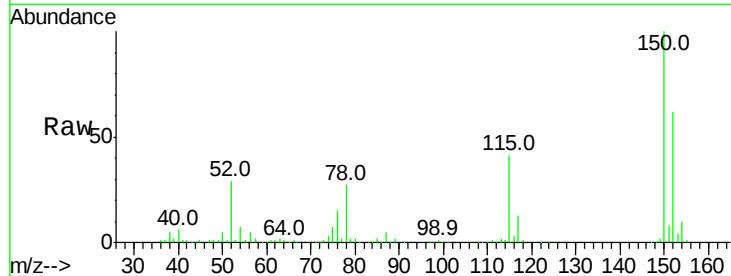


#1

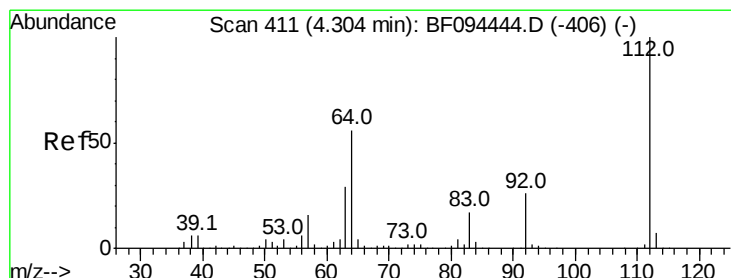
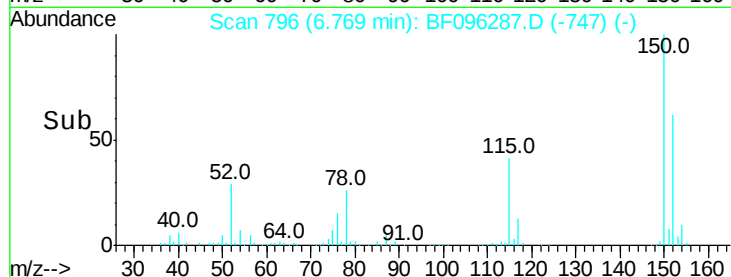
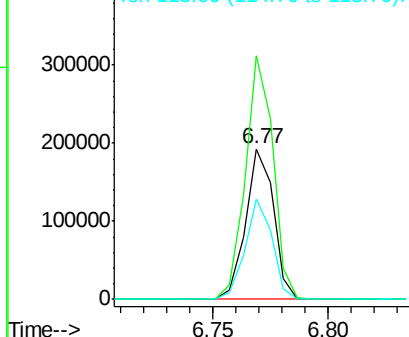
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096287.D
Acq: 29 Jun 2017 13:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 163336
Ion Ratio Lower Upper
152 100
150 161.8 126.2 189.2
115 66.3 52.2 78.2



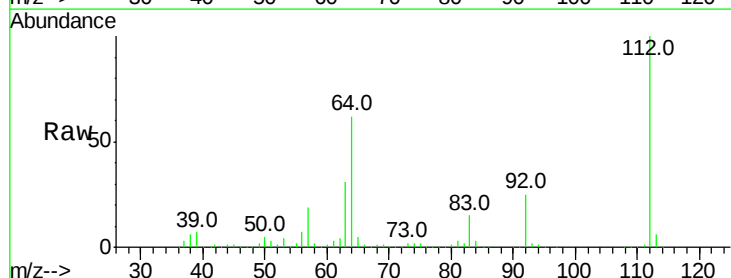
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



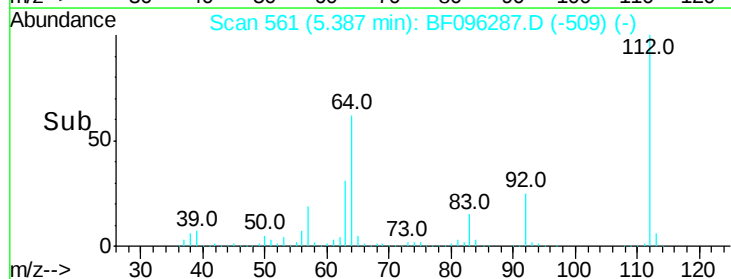
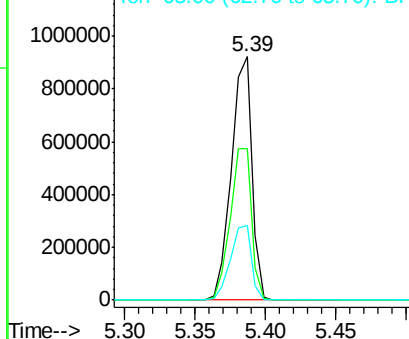
#5

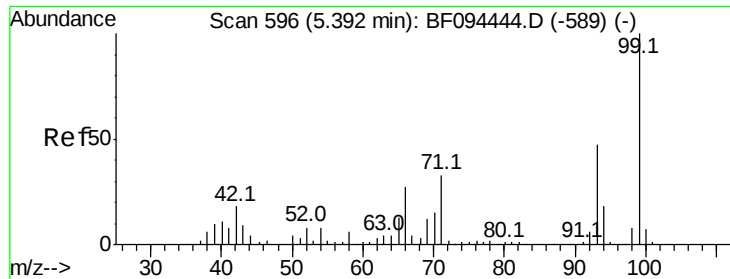
2-Fluorophenol
Concen: 82.31 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096287.D
Acq: 29 Jun 2017 13:08

Tgt Ion:112 Resp: 933147
Ion Ratio Lower Upper
112 100
64 62.2 46.0 69.0
63 30.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.89 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

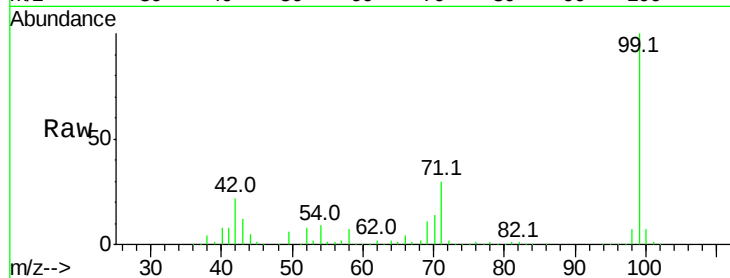
Instrument :

BNA_F

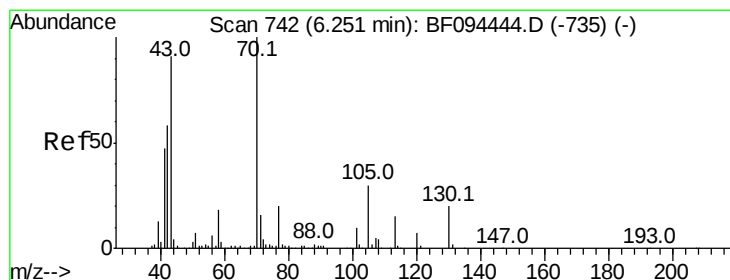
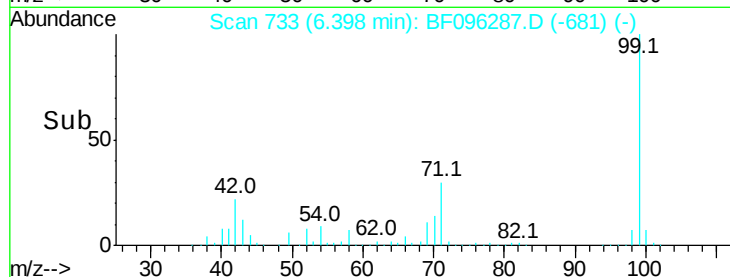
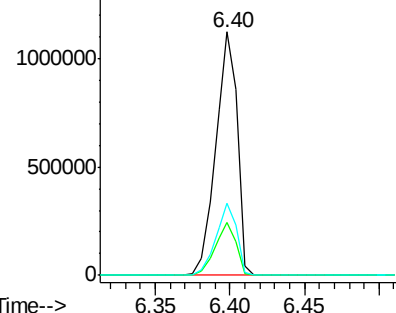
ClientSampled :

Tot Ion: 99 Resp: 1137978

Ion	Ratio	Lower	Upper
99	100		
42	21.9	13.5	20.3#
71	29.7	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 10.14 ng

RT: 7.33 min Scan# 891

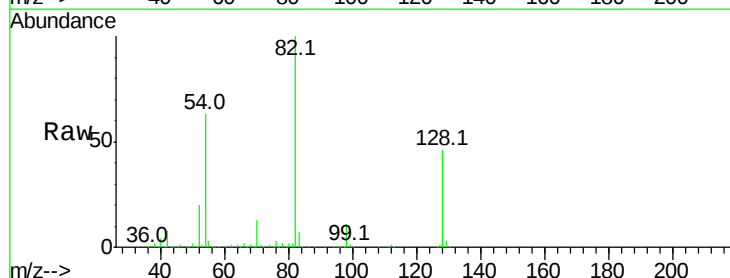
Delta R.T. 0.15 min

Lab File: BF096287.D

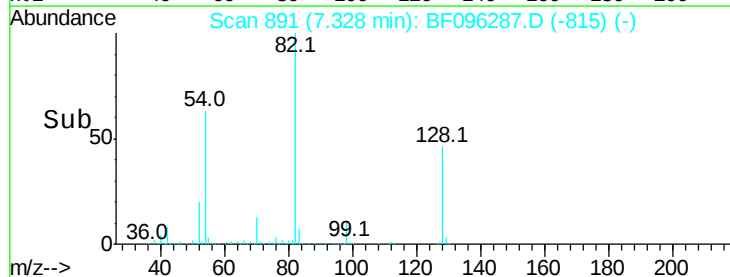
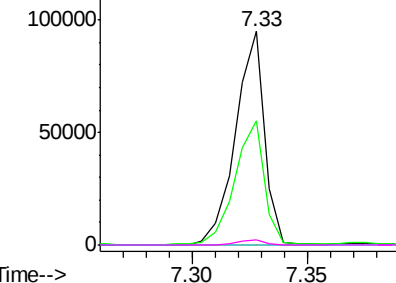
Acq: 29 Jun 2017 13:08

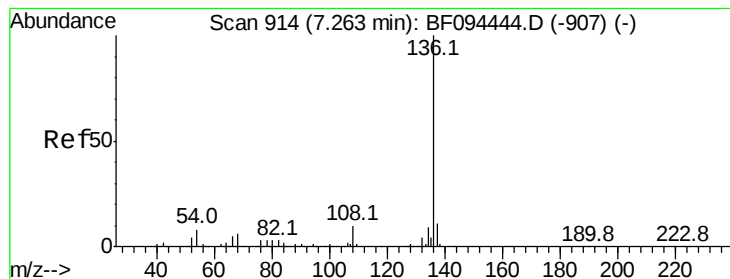
Tgt Ion: 70 Resp: 83422

Ion	Ratio	Lower	Upper
70	100		
42	58.0	47.2	70.8
101	0.0	7.2	10.8#
130	2.4	15.9	23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 664021

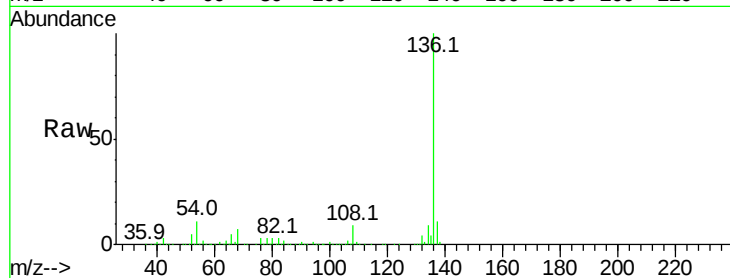
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 11.1 4.9 7.3#

68 6.6 4.1 6.1#

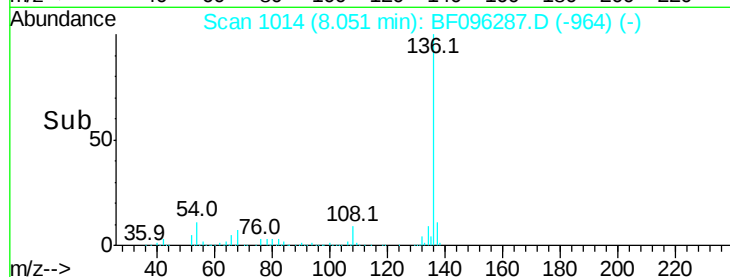


Abundance Ion 136.00 (135.70 to 136.70): E

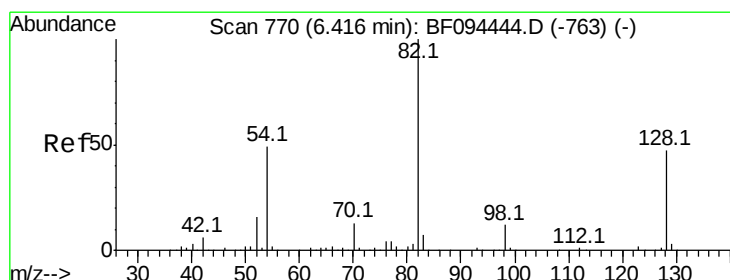
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 66.70 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.03 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

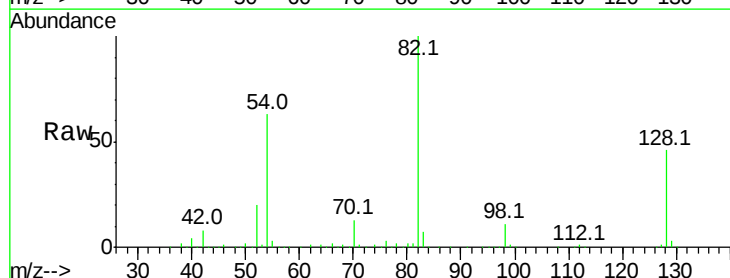
Tgt Ion: 82 Resp: 639806

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

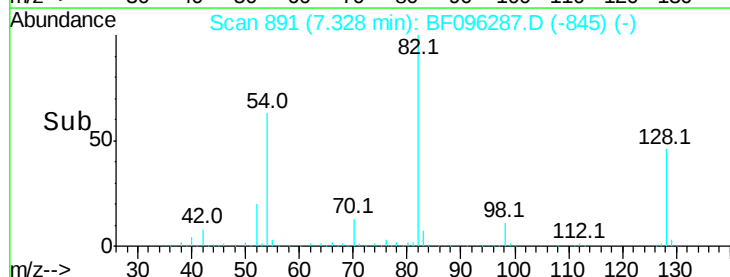
54 63.2 42.2 63.2



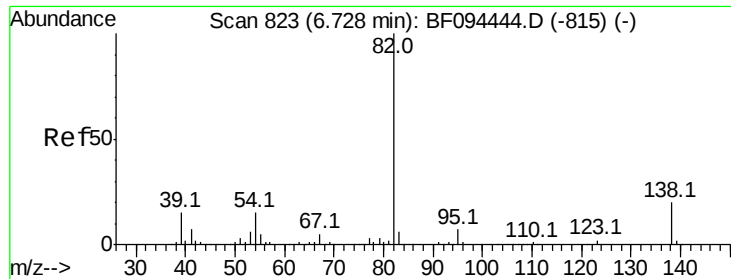
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 29.37 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

Instrument :

BNA_F

ClientSampleId :

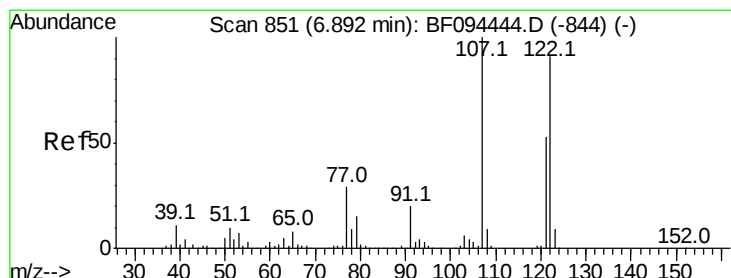
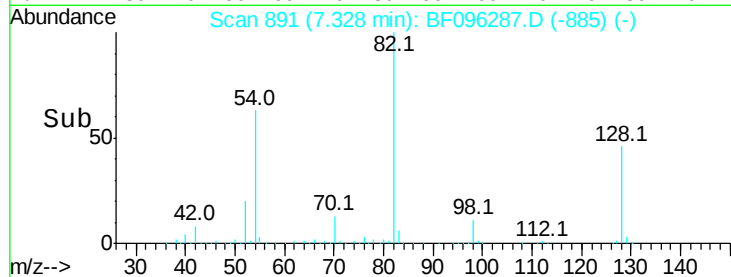
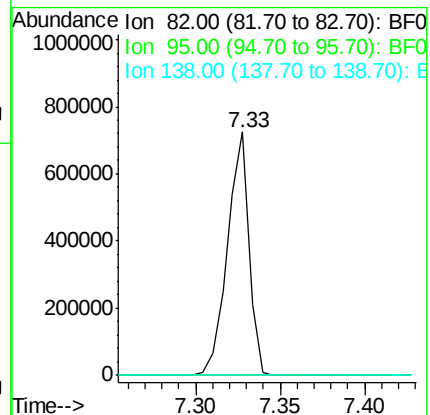
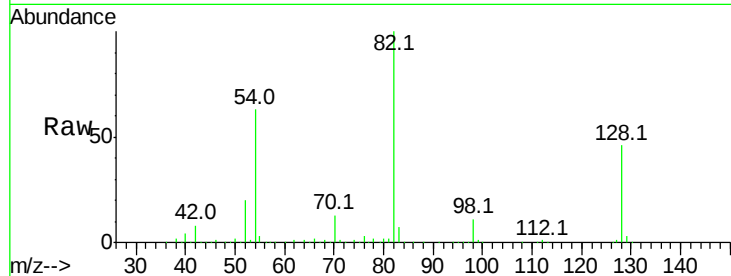
Tot Ion: 82 Resp: 639791

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



#27

2,4-Dimethylphenol

Concen: 2.08 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.05 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

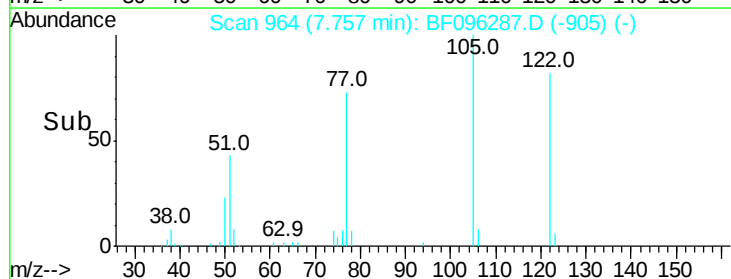
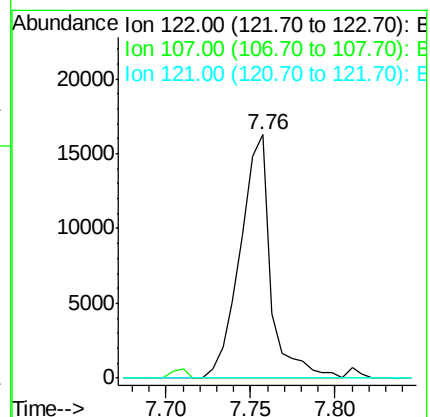
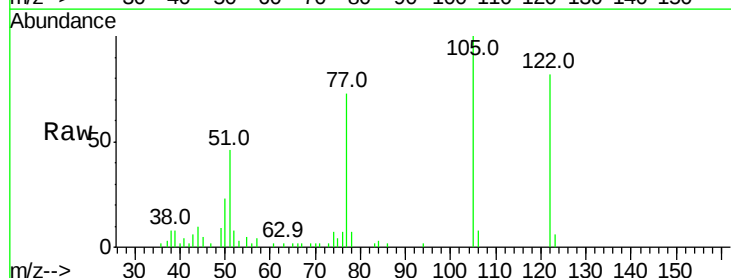
Tgt Ion: 122 Resp: 20510

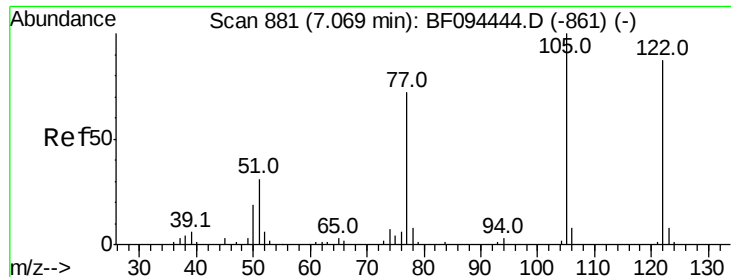
Ion Ratio Lower Upper

122 100

107 0.0 89.2 133.8#

121 0.0 45.2 67.8#

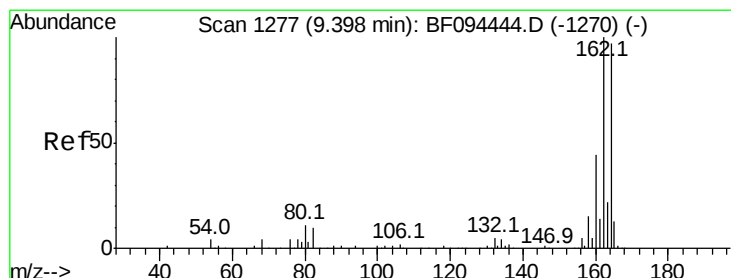
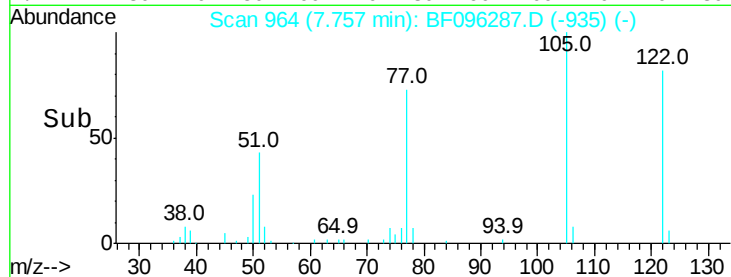
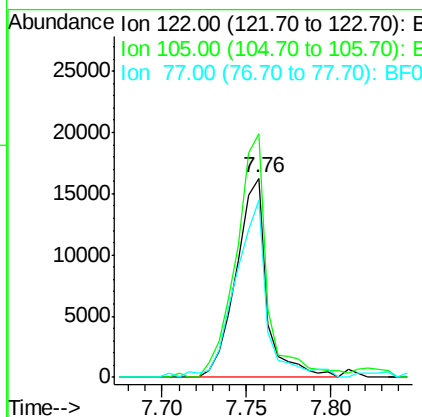
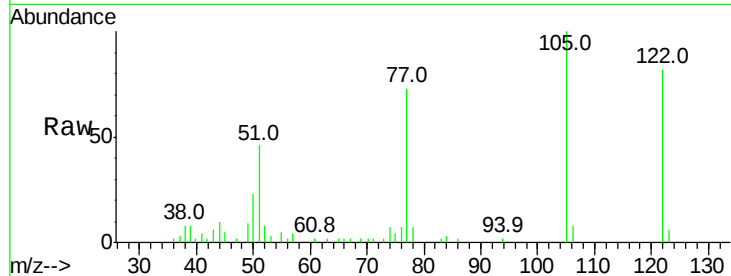




#32
Benzoic acid
Concen: 11.19 ng
RT: 7.76 min Scan# 964
Delta R.T. -0.13 min
Lab File: BF096287.D
Acq: 29 Jun 2017 13:08

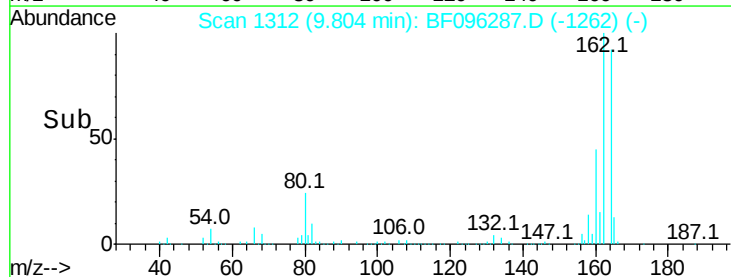
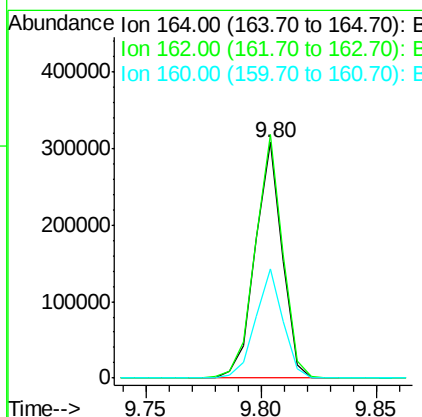
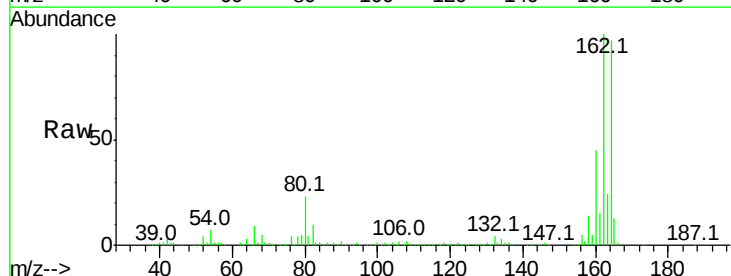
Instrument :
BNA_F
ClientSampled :

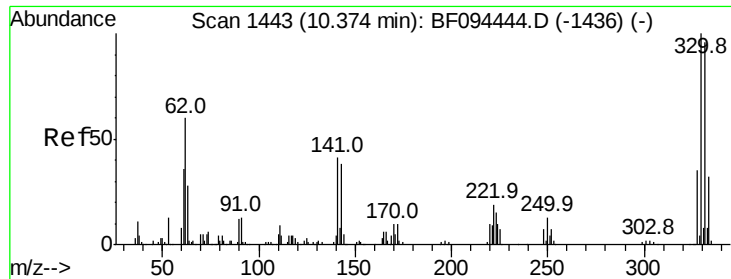
Tot Ion:122 Resp: 20510
Ion Ratio Lower Upper
122 100
105 122.2 103.3 143.3
77 88.8 73.7 113.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096287.D
Acq: 29 Jun 2017 13:08

Tgt Ion:164 Resp: 251998
Ion Ratio Lower Upper
164 100
162 103.4 82.6 123.8
160 46.3 36.2 54.2

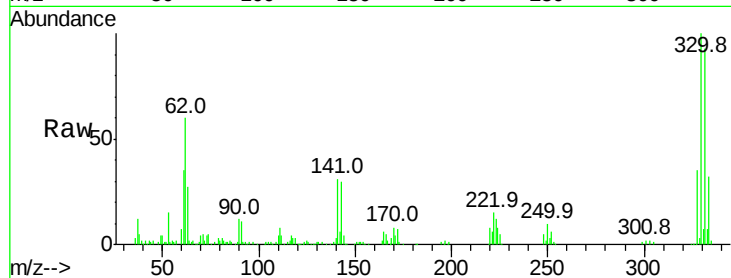




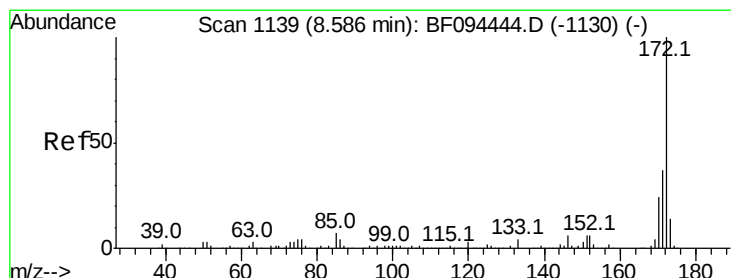
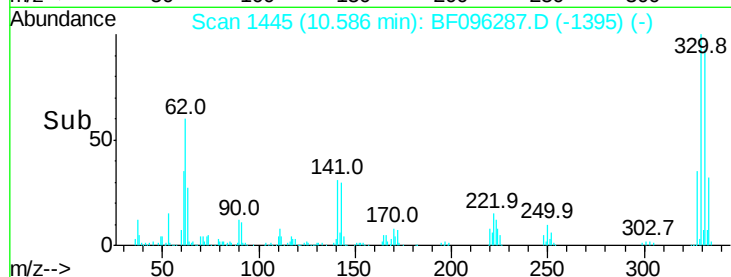
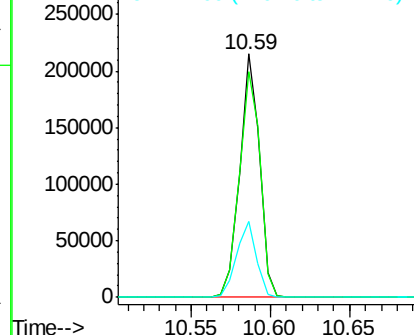
#41
 2,4,6-Tribromophenol
 Concen: 94.02 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096287.D
 Acq: 29 Jun 2017 13:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 186461
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 115.0
 141 31.5 31.4 47.2

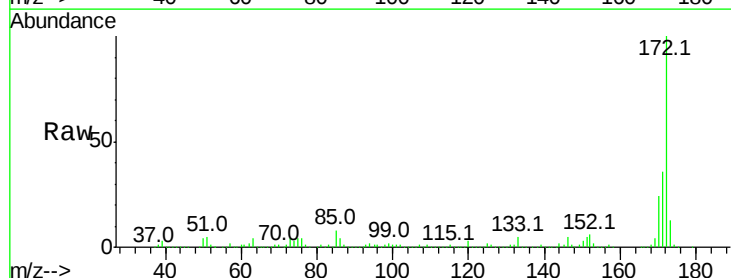


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

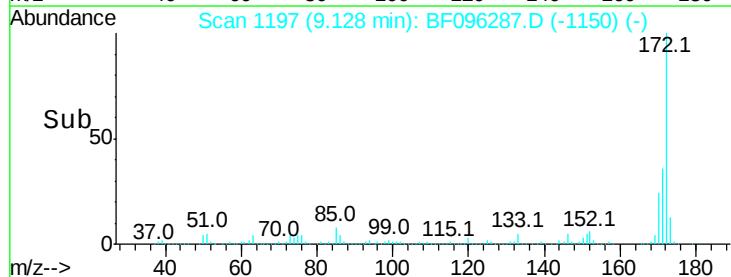
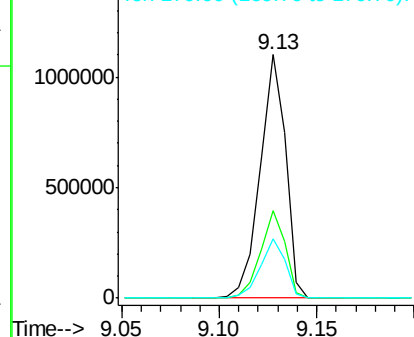


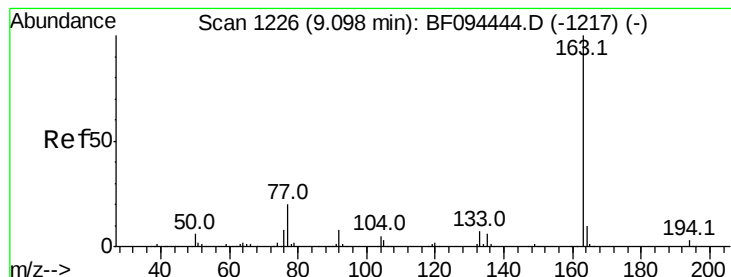
#44
 2-Fluorobiphenyl
 Concen: 72.42 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096287.D
 Acq: 29 Jun 2017 13:08

Tgt Ion:172 Resp: 996466
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 24.4 19.8 29.8



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





#49

Dimethylphthalate

Concen: 26.60 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

Instrument :

BNA_F

ClientSampleId :

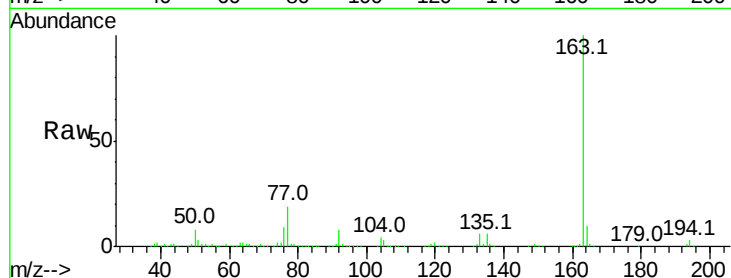
Tot Ion:163 Resp: 479693

Ion Ratio Lower Upper

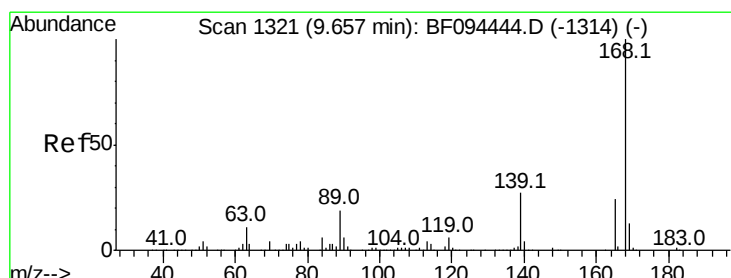
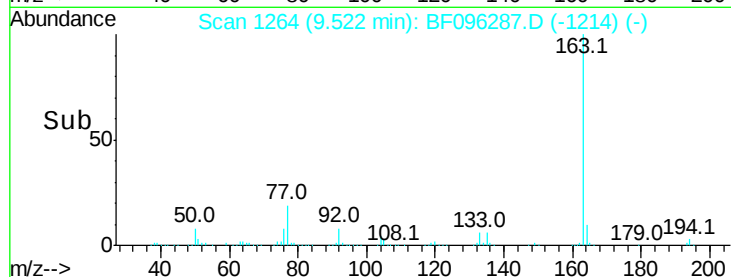
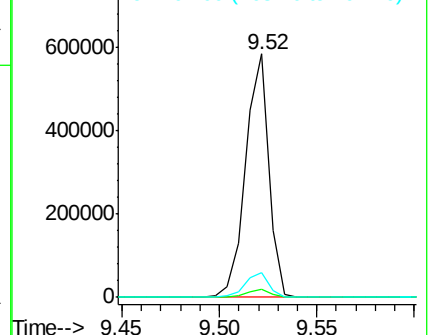
163 100

194 3.2 2.6 4.0

164 10.4 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 7.09 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

Tgt Ion:165 Resp: 33509

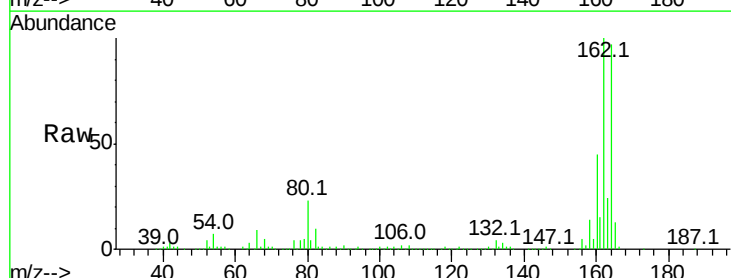
Ion Ratio Lower Upper

165 100

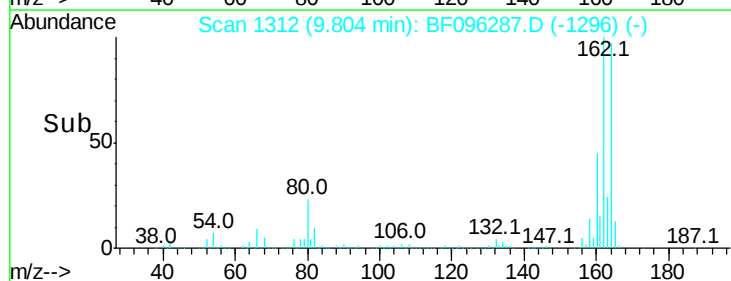
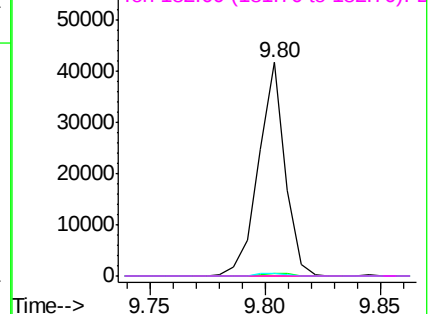
63 1.1 25.4 38.0#

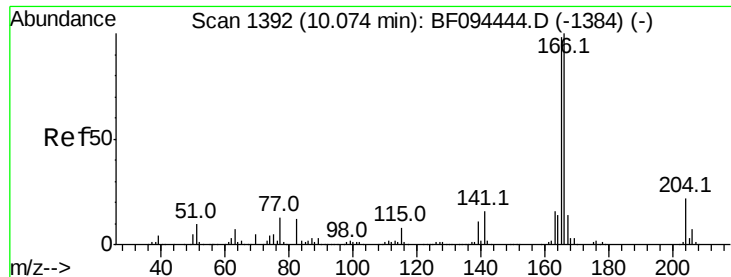
89 1.5 46.4 69.6#

182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

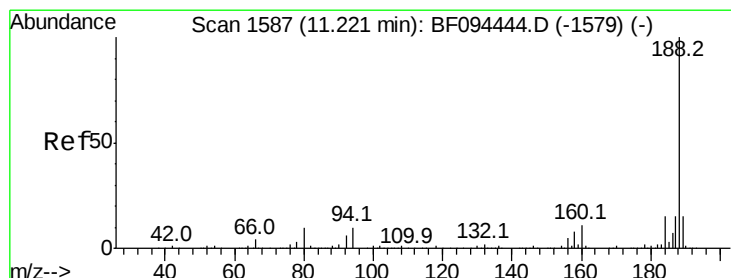
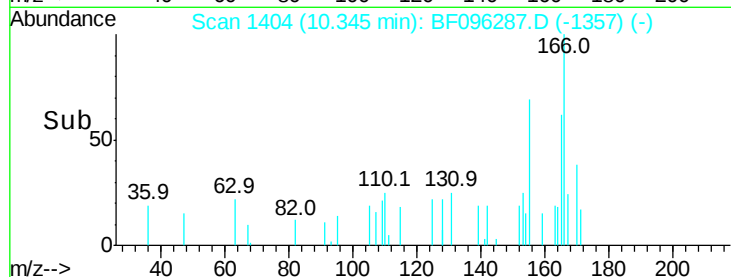
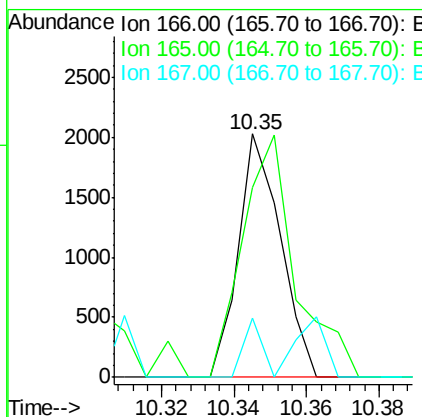
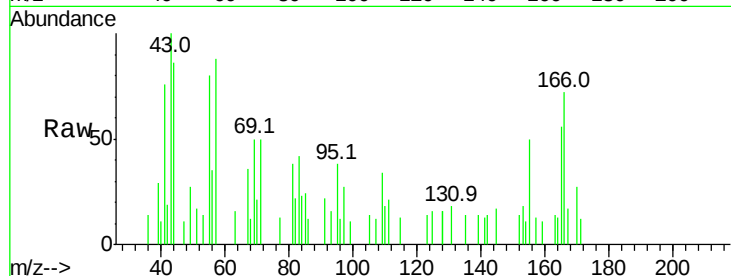




#57
Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 1404
 Delta R.T. -0.02 min
 Lab File: BF096287.D
 Acq: 29 Jun 2017 13:08

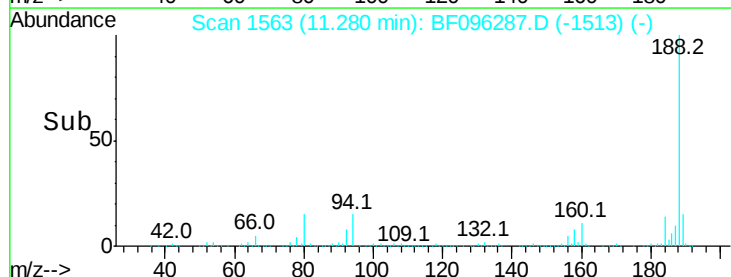
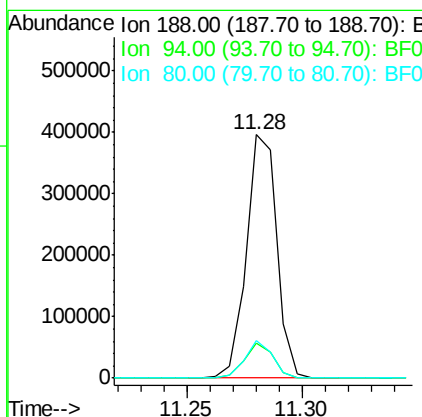
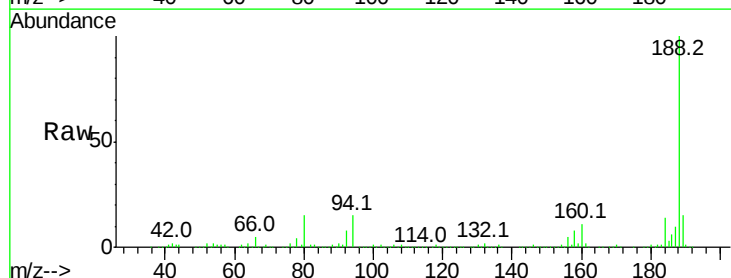
Instrument :
 BNA_F
 ClientSampled :

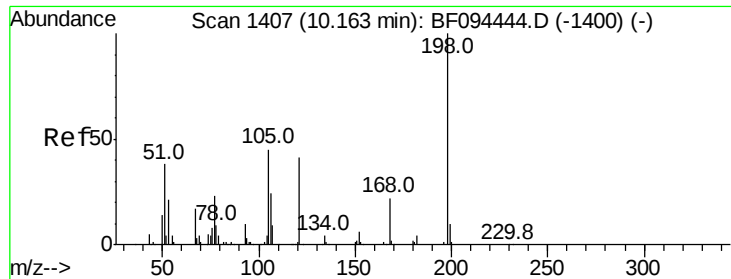
Tot Ion:166 Resp: 1635
 Ion Ratio Lower Upper
 166 100
 165 78.1 78.8 118.2#
 167 24.2 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF096287.D
 Acq: 29 Jun 2017 13:08

Tgt Ion:188 Resp: 365945
 Ion Ratio Lower Upper
 188 100
 94 14.6 9.4 14.2#
 80 15.2 10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.81 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.17 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

Instrument :

BNA_F

ClientSampleId :

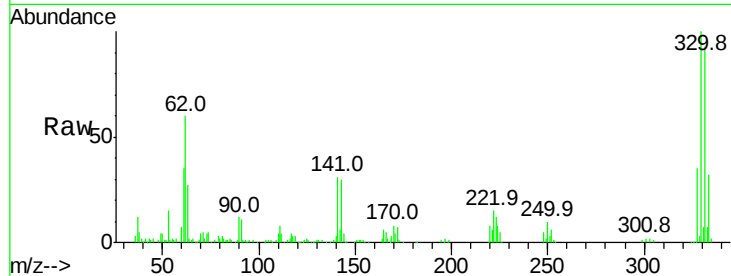
Tot Ion:198 Resp: 148

Ion Ratio Lower Upper

198 100

51 382.1 53.2 93.2#

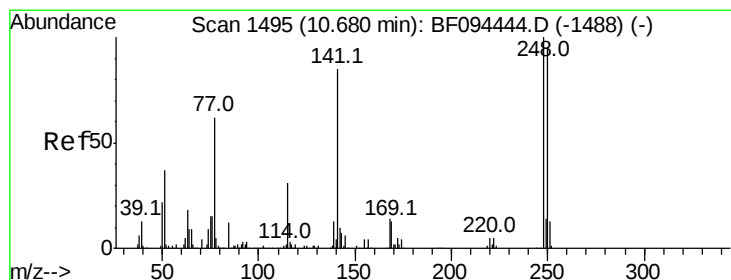
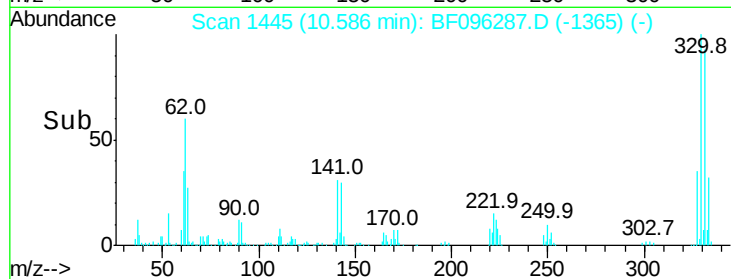
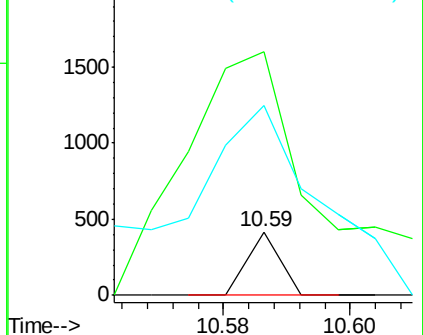
105 297.9 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.64 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.25 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

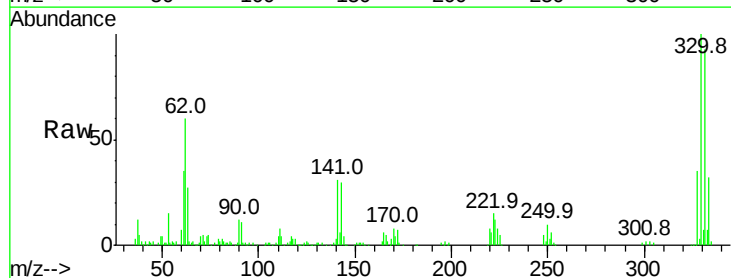
Tgt Ion:248 Resp: 9941

Ion Ratio Lower Upper

248 100

250 191.6 76.8 115.2#

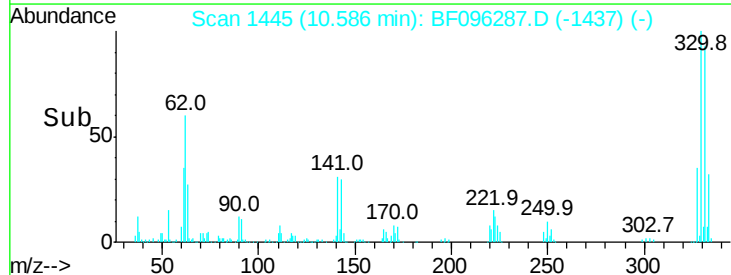
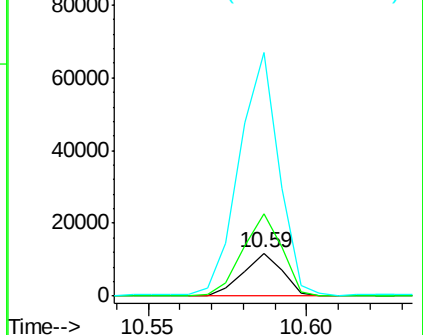
141 570.9 68.6 103.0#

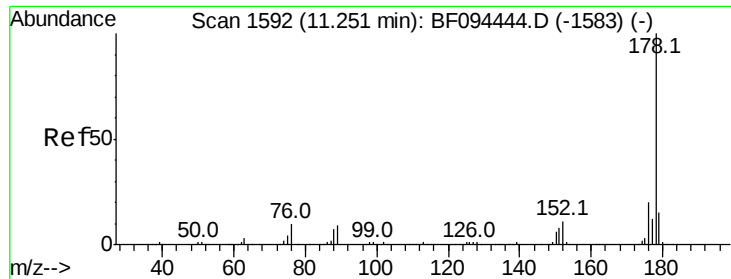


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

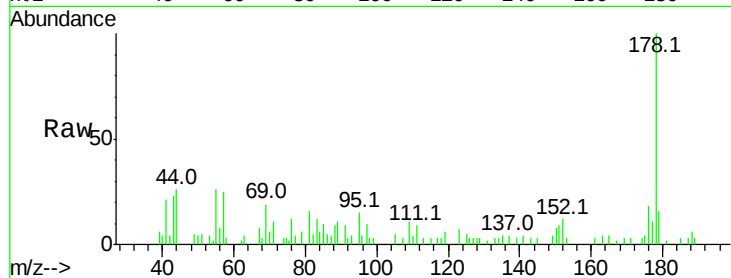




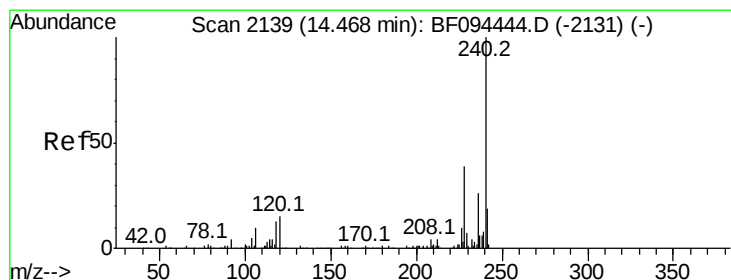
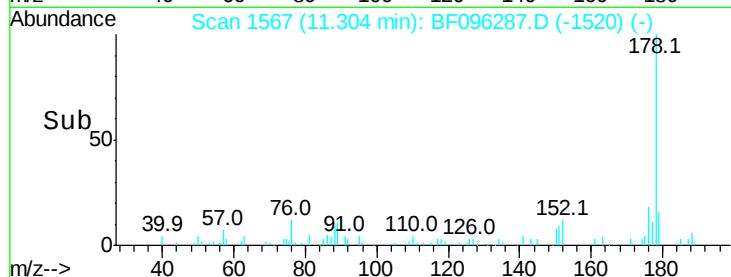
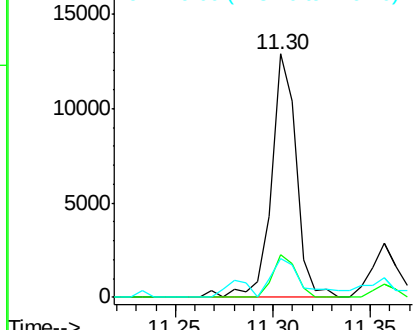
#70
Phenanthrene
Concen: Below Cal
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF096287.D
Acq: 29 Jun 2017 13:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 11413
Ion Ratio Lower Upper
178 100
176 17.7 16.2 24.4
179 16.2 12.6 19.0

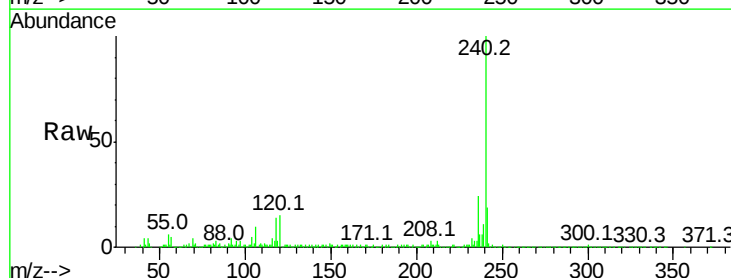


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

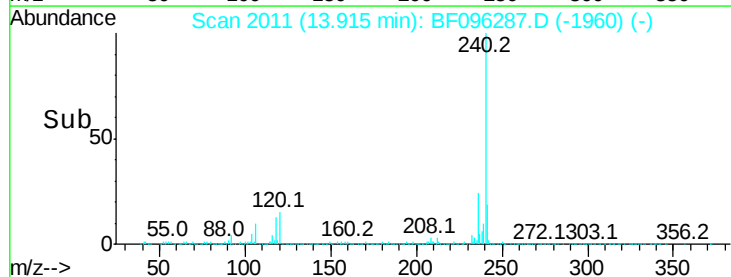
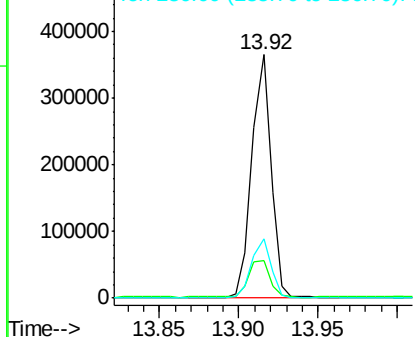


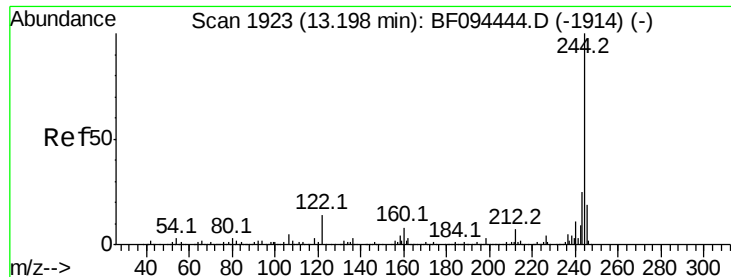
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BF096287.D
Acq: 29 Jun 2017 13:08

Tgt Ion:240 Resp: 309714
Ion Ratio Lower Upper
240 100
120 15.2 5.8 8.8#
236 24.1 20.5 30.7



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: 51.57 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

Instrument :

BNA_F

ClientSampleId :

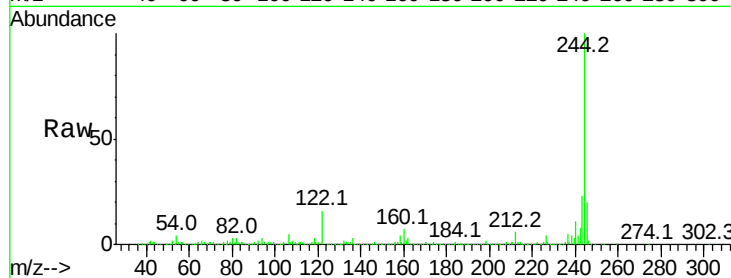
Tot Ion:244 Resp: 640081

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

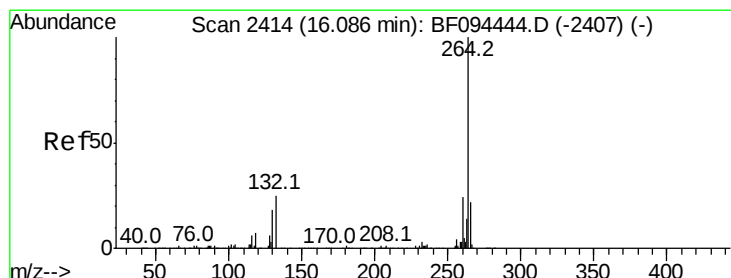
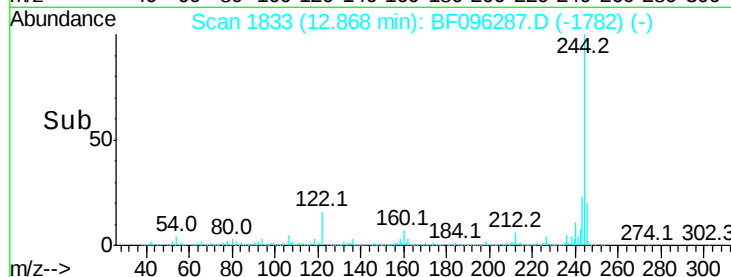
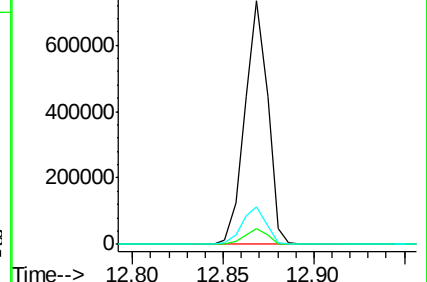
122 15.7 10.3 15.5#



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: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF096287.D

Acq: 29 Jun 2017 13:08

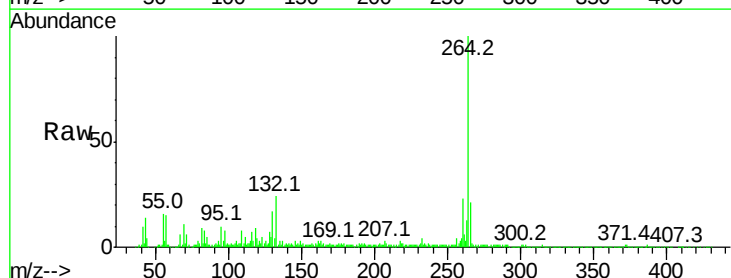
Tgt Ion:264 Resp: 237050

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 21.3 17.2 25.8



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

