

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104591.D
 Acq On : 18 Apr 2018 10:39
 Operator : JU/SJ
 Sample : J2387-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 11:54:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

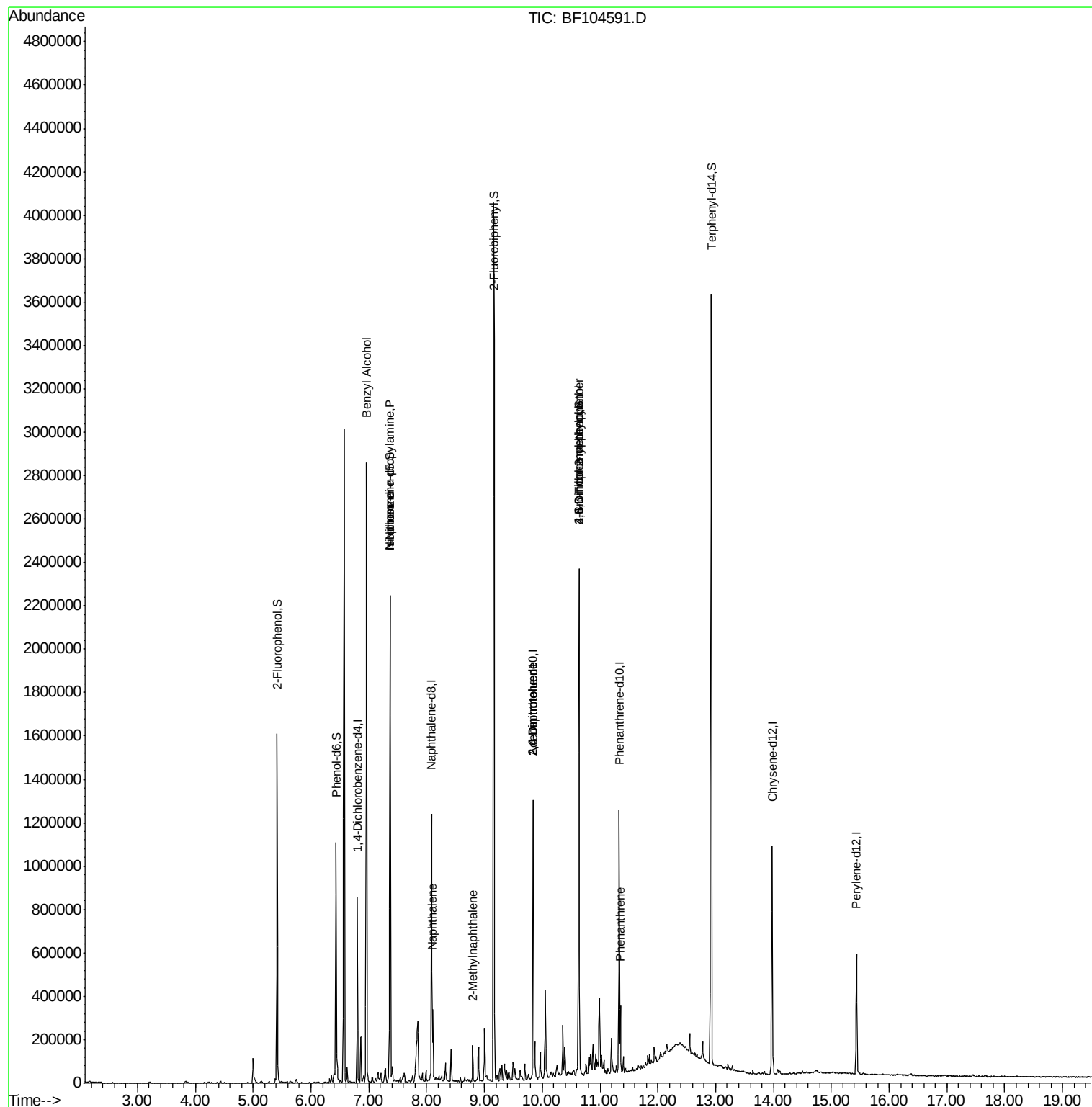
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	128887	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	528077	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	247130	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	444854	20.00	ng	0.00
75) Chrysene-d12	13.97	240	326614	20.00	ng	0.00
86) Perylene-d12	15.44	264	248694	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	465966	55.28	ng	0.00
7) Phenol-d6	6.43	99	344829	33.30	ng	0.00
23) Nitrobenzene-d5	7.37	82	841270	104.03	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	345295	134.69	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1421199	90.85	ng	0.00
78) Terphenyl-d14	12.92	244	1439009	100.45	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.96	79	15861	2.016	ng	# 42
19) n-Nitroso-di-n-propylamine	7.37	70	109934	16.244	ng	# 74
25) Isophorone	7.37	82	841259	49.192	ng	# 64
31) Naphthalene	8.10	128	165179	6.282	ng	# 98
37) 2-Methylnaphthalene	8.80	142	35201	2.070	ng	# 97
50) 2,6-Dinitrotoluene	9.84	165	32345	8.970	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	32345	6.838	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	749	7.640	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	20368	4.304	ng	# 1
70) Phenanthrene	11.35	178	99804	4.029	ng	# 97
76) Benzydine	12.92	184	19238	Below Cal		# 97

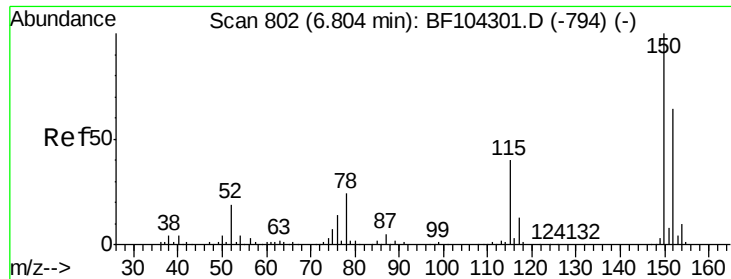
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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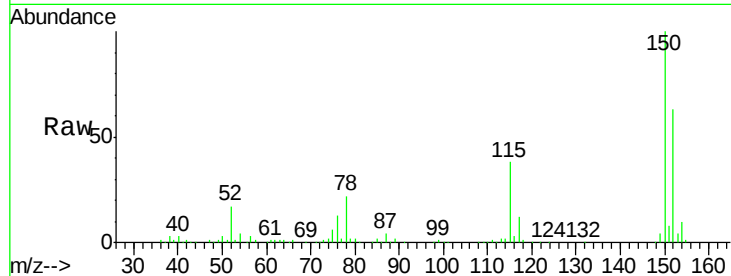


#1

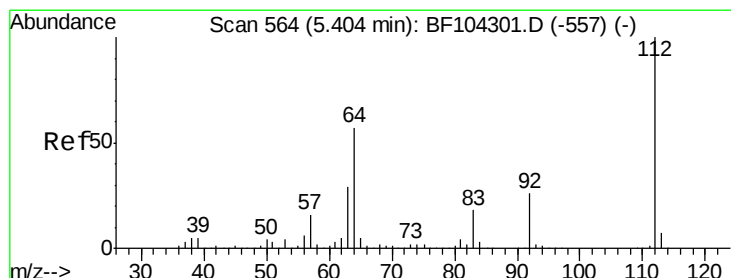
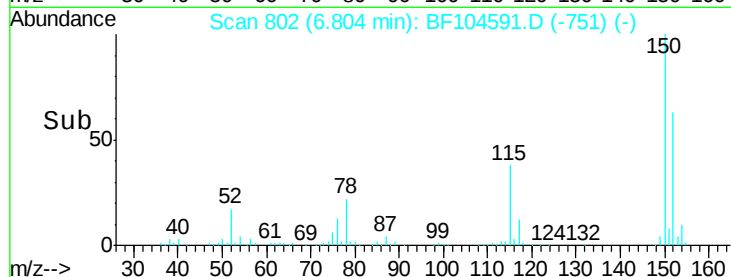
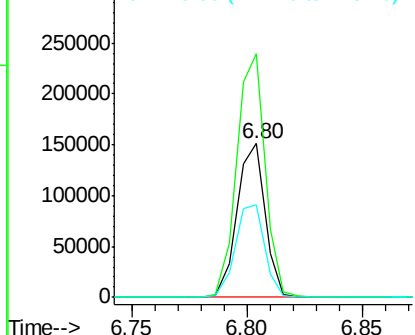
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104591.D
Acq: 18 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128887
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 60.2 50.1 75.1



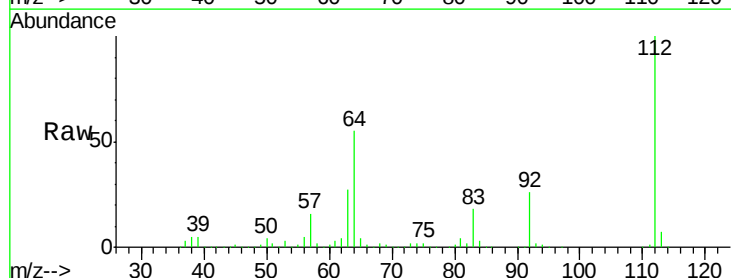
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



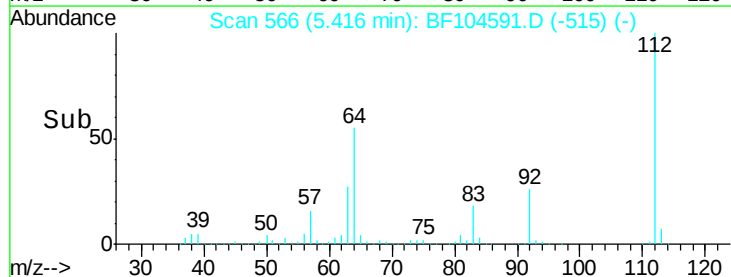
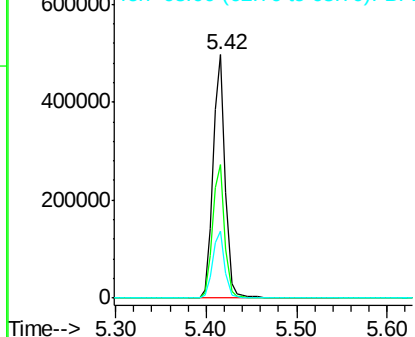
#5

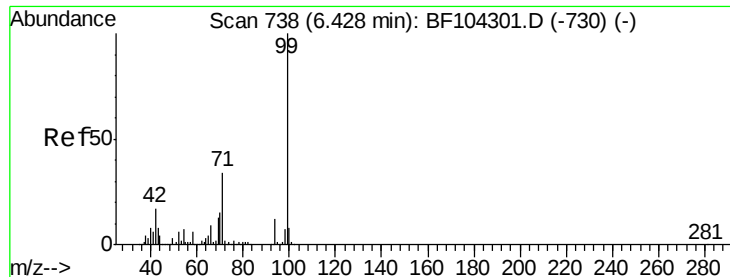
2-Fluorophenol
Concen: 55.280 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104591.D
Acq: 18 Apr 2018 10:39

Tgt Ion:112 Resp: 465966
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 27.5 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: 33.295 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104591.D

Acq: 18 Apr 2018 10:39

Instrument :

BNA_F

ClientSampleID :

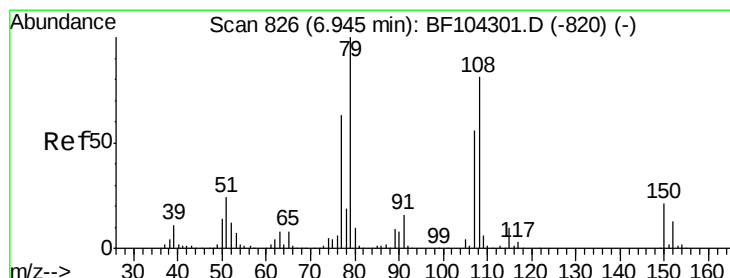
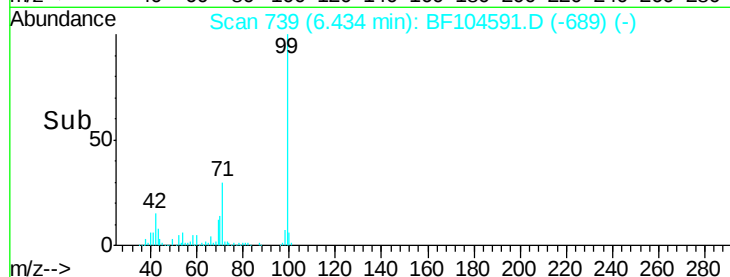
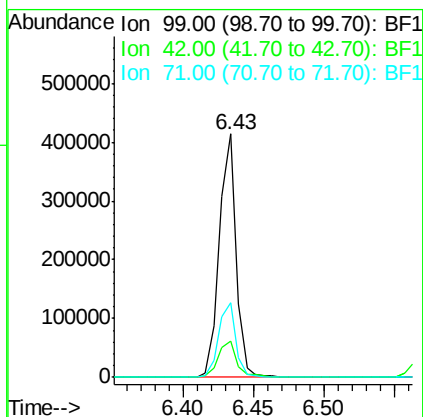
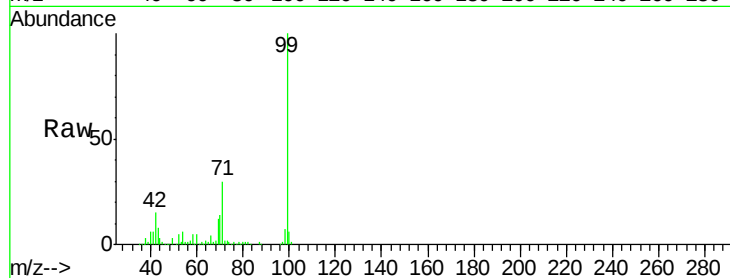
Tot Ion: 99 Resp: 344829

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

71 30.4 25.4 38.0



#15

Benzyl Alcohol

Concen: 2.016 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.01 min

Lab File: BF104591.D

Acq: 18 Apr 2018 10:39

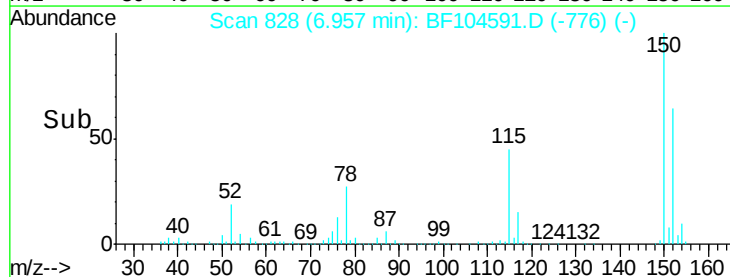
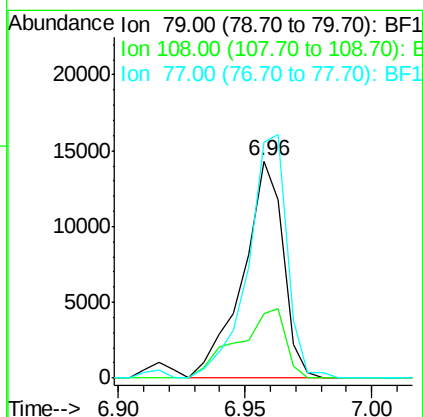
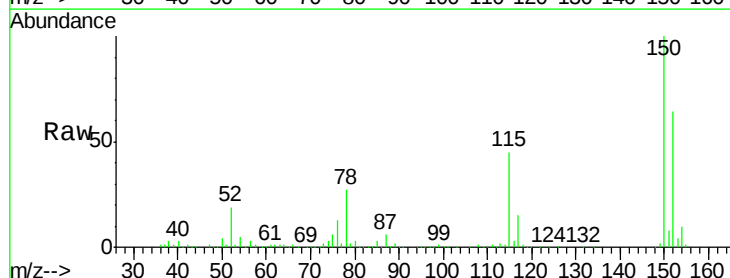
Tgt Ion: 79 Resp: 15861

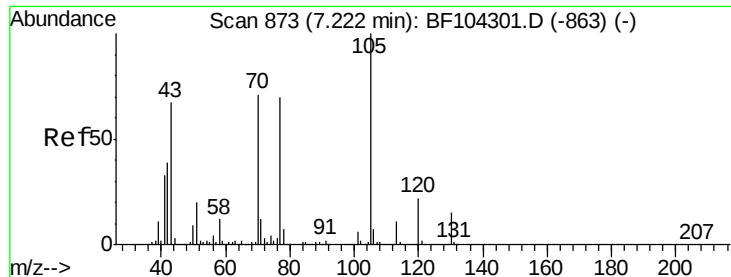
Ion Ratio Lower Upper

79 100

108 29.7 65.1 97.7#

77 108.6 50.6 75.8#

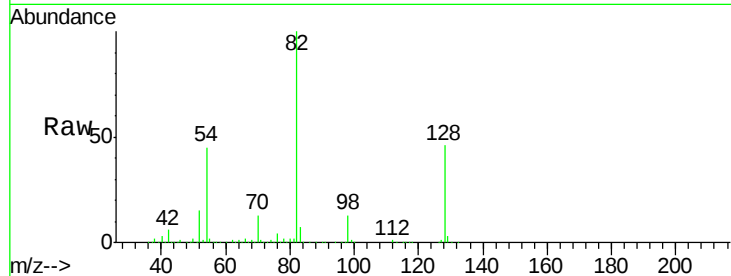




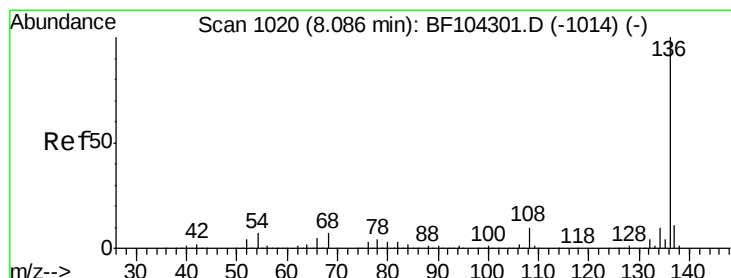
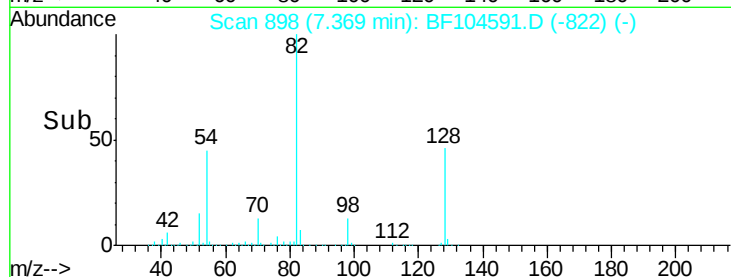
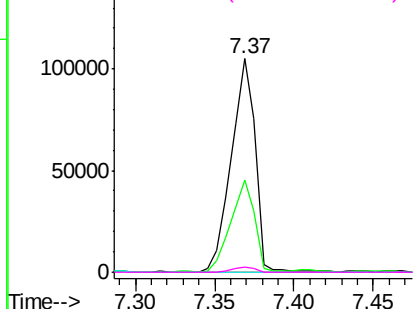
#19
n-Nitroso-di-n-propylamine
Concen: 16.244 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF104591.D
Acq: 18 Apr 2018 10:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 109934
Ion Ratio Lower Upper
70 100
42 43.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

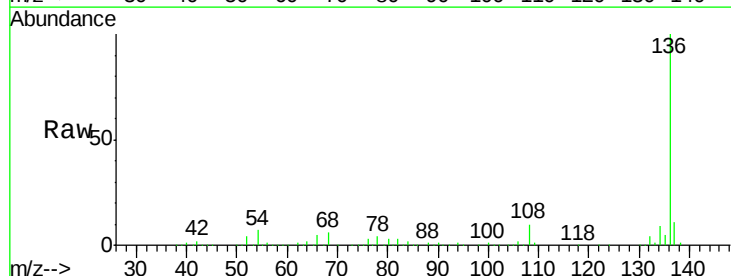


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

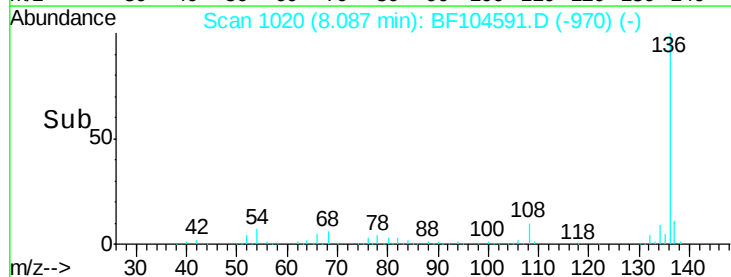
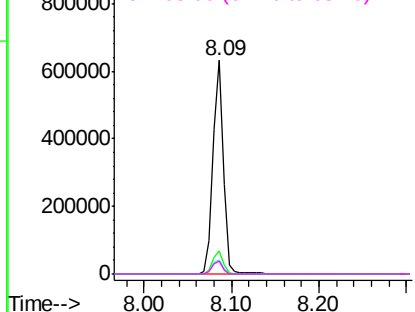


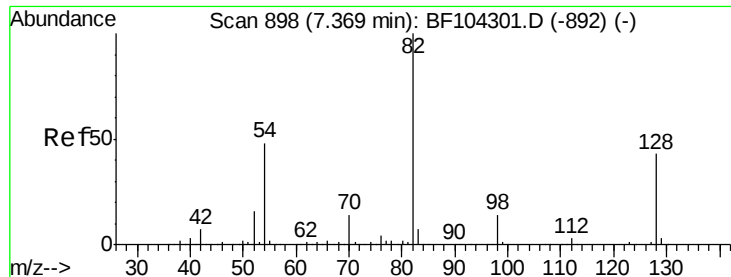
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104591.D
Acq: 18 Apr 2018 10:39

Tgt Ion:136 Resp: 528077
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.7 6.6 9.8
68 6.0 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): BF1
Ion 137.00 (136.70 to 137.70): BF1
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

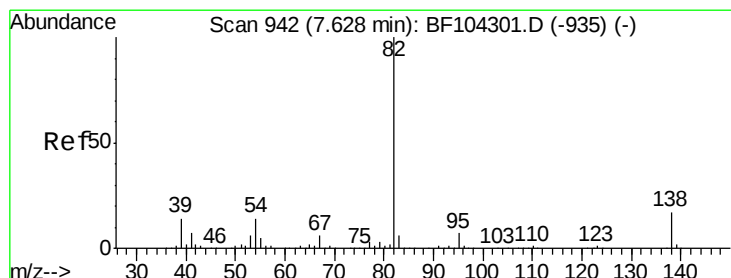
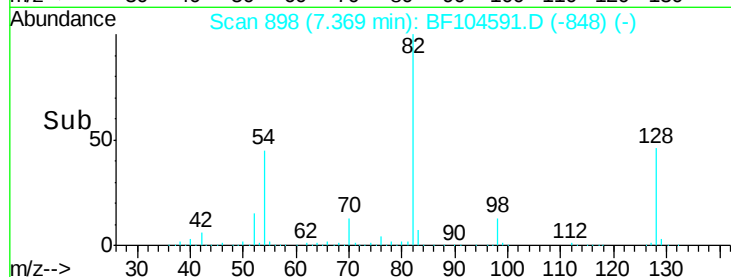
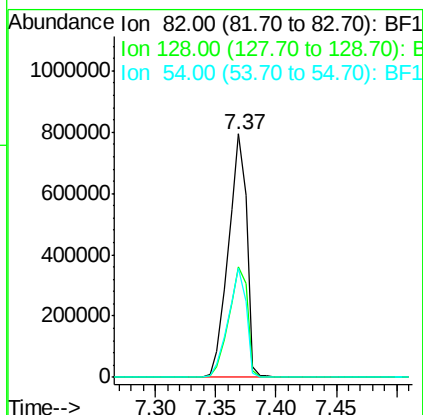
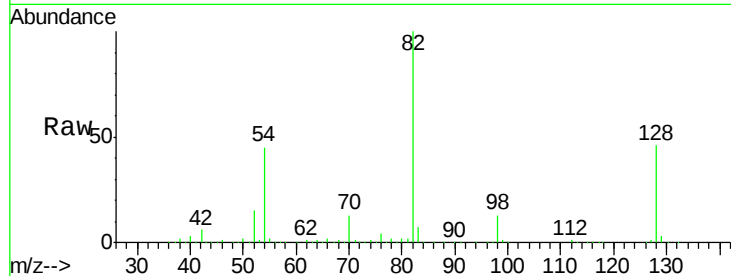




#23
Nitrobenzene-d5
Concen: 104.025 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104591.D
Acq: 18 Apr 2018 10:39

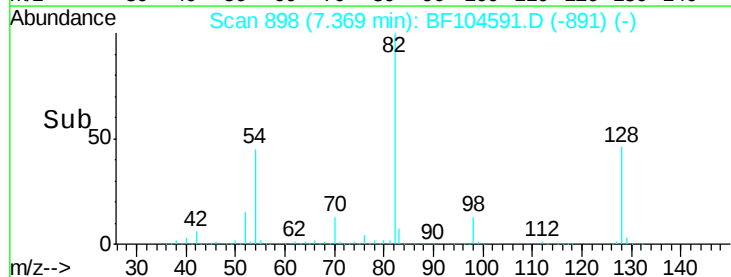
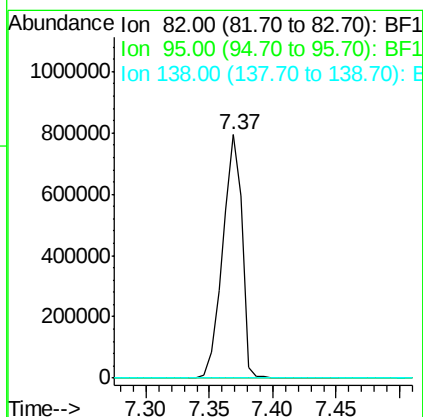
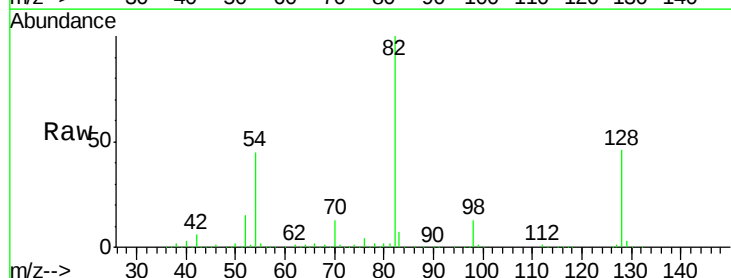
Instrument :
BNA_F
ClientSampled :

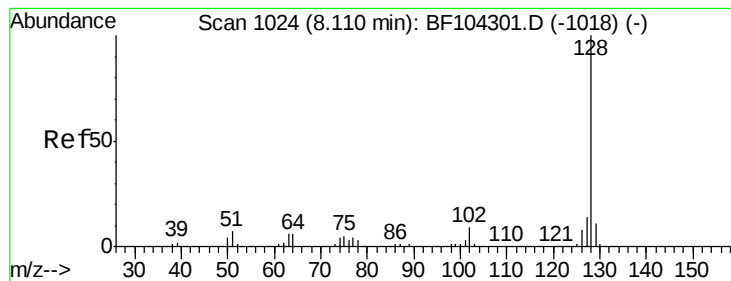
Tot Ion: 82 Resp: 841270
Ion Ratio Lower Upper
82 100
128 45.6 36.1 54.1
54 44.9 41.4 62.2



#25
Isophorone
Concen: 49.192 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104591.D
Acq: 18 Apr 2018 10:39

Tgt Ion: 82 Resp: 841259
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#31

Naphthalene

Concen: 6.282 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF104591.D

Acq: 18 Apr 2018 10:39

Instrument :

BNA_F

ClientSampled :

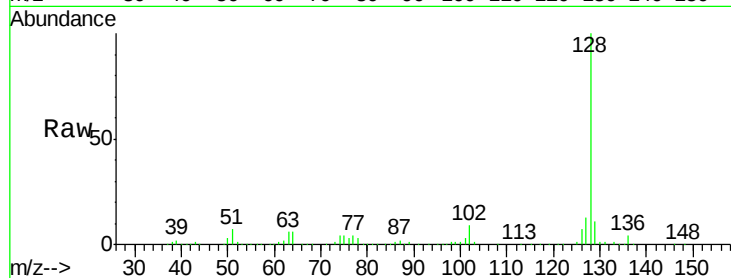
Tot Ion:128 Resp: 165179

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

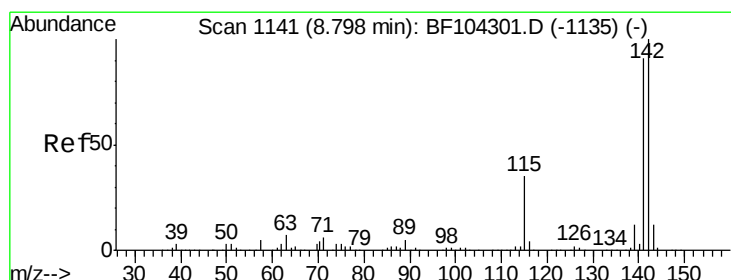
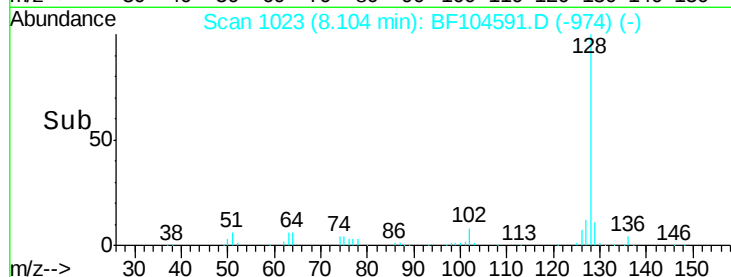
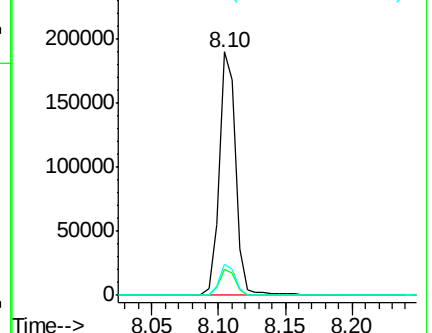
127 12.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.070 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF104591.D

Acq: 18 Apr 2018 10:39

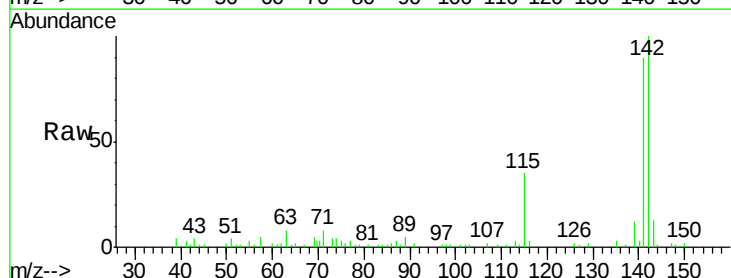
Tgt Ion:142 Resp: 35201

Ion Ratio Lower Upper

142 100

141 90.4 70.8 106.2

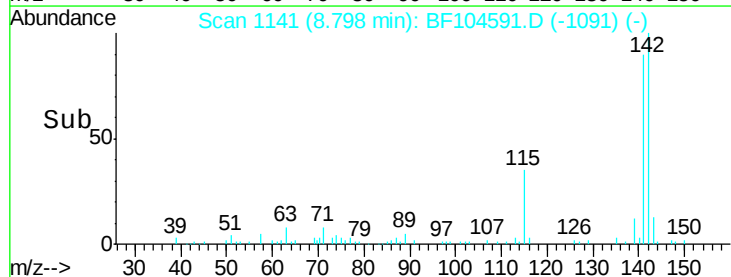
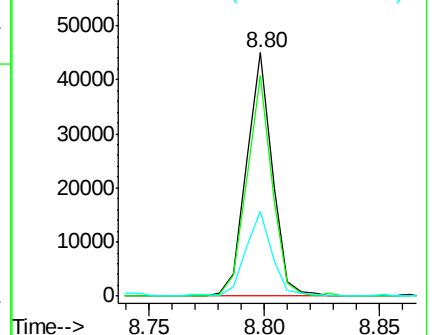
115 34.8 26.1 39.1

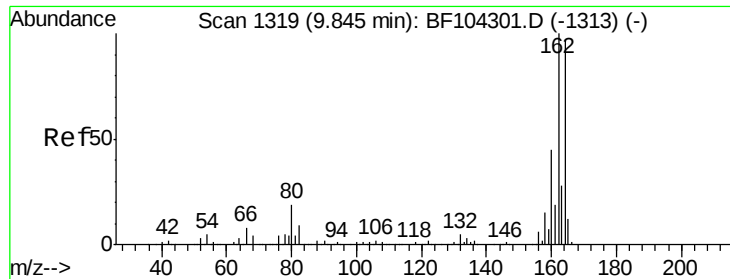


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

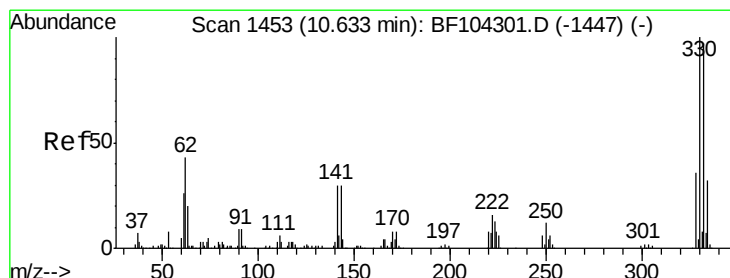
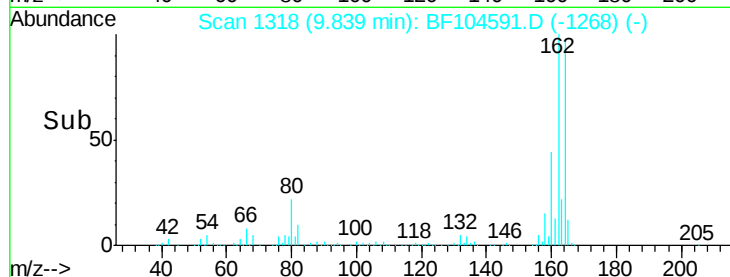
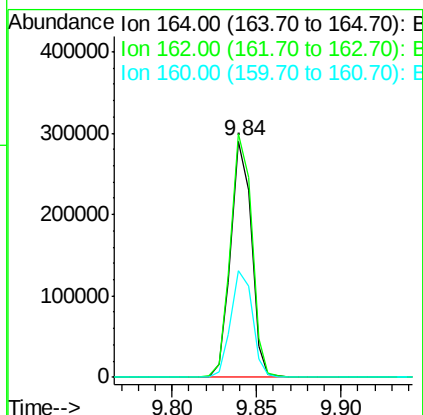
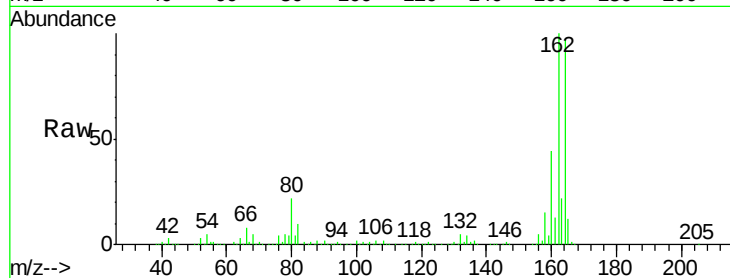




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104591.D
 Acq: 18 Apr 2018 10:39

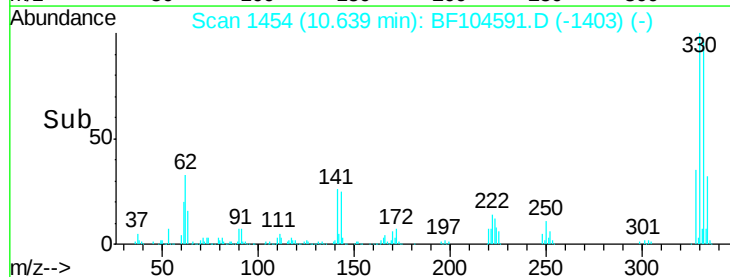
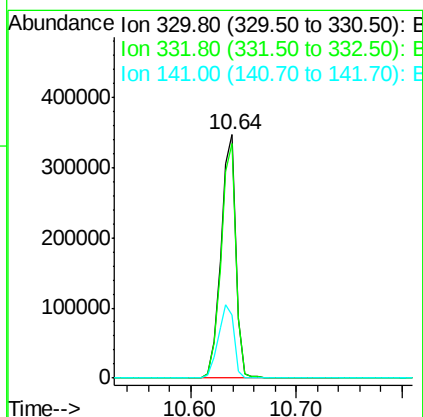
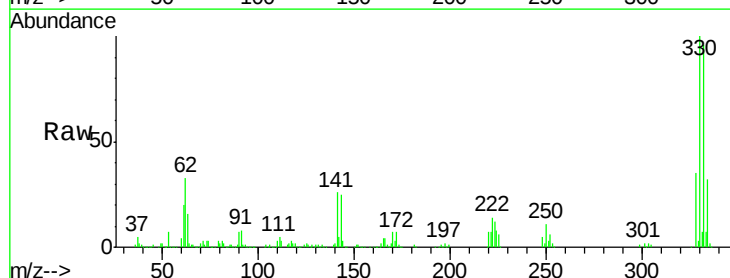
Instrument :
 BNA_F
 ClientSampleId :

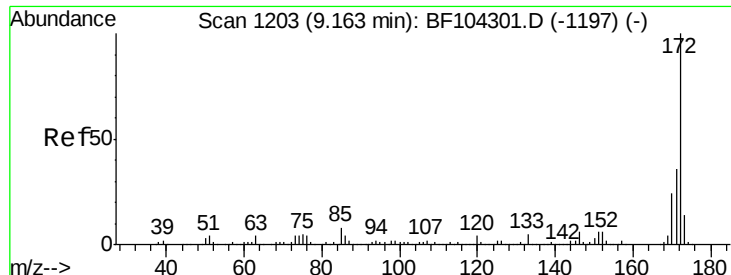
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	44.9	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 134.694 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104591.D
 Acq: 18 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	32.4	29.9	44.9



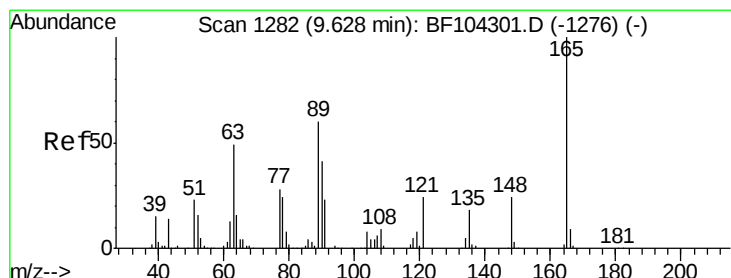
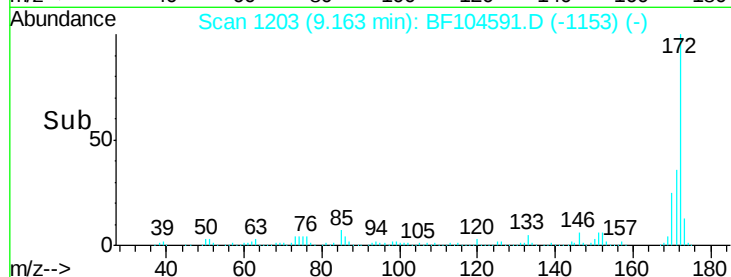
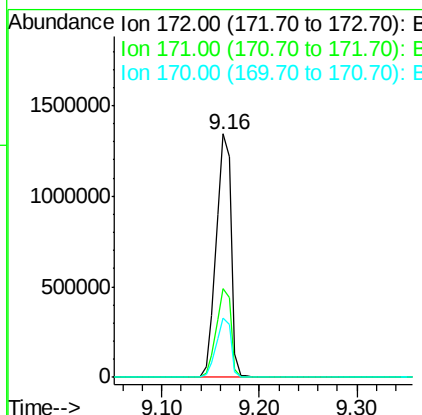
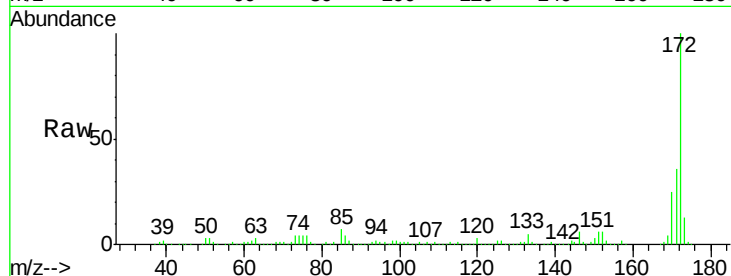


#44
 2-Fluorobiphenyl
 Concen: 90.849 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104591.D
 Acq: 18 Apr 2018 10:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1421199

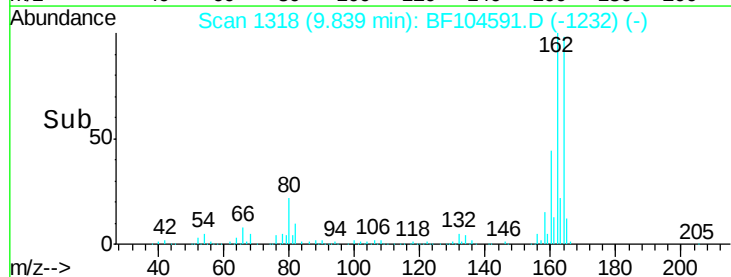
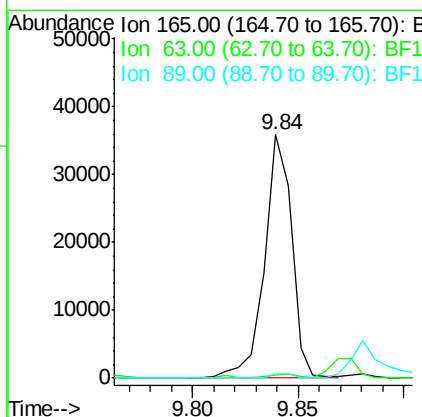
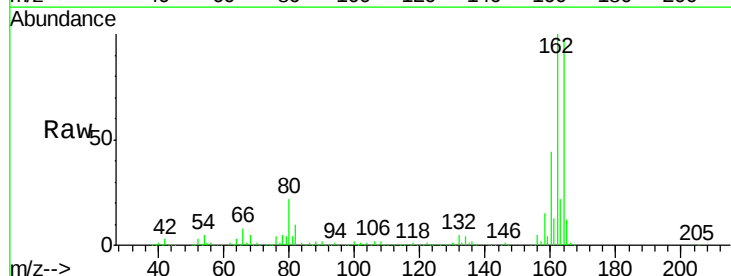
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.5	19.6	29.4

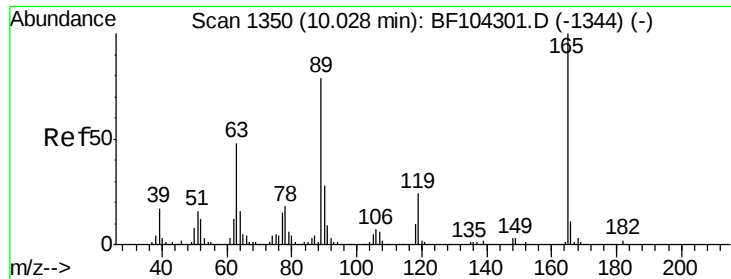


#50
 2,6-Dinitrotoluene
 Concen: 8.970 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104591.D
 Acq: 18 Apr 2018 10:39

Tgt Ion:165 Resp: 32345

Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.5	44.0	66.0#

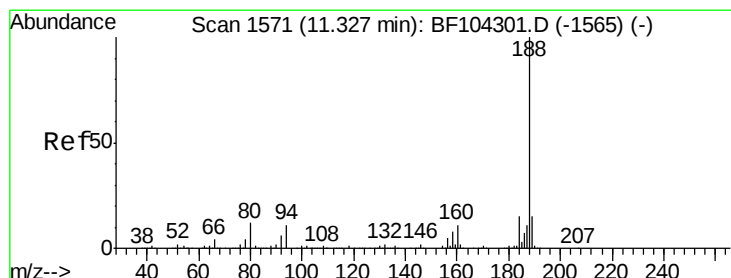
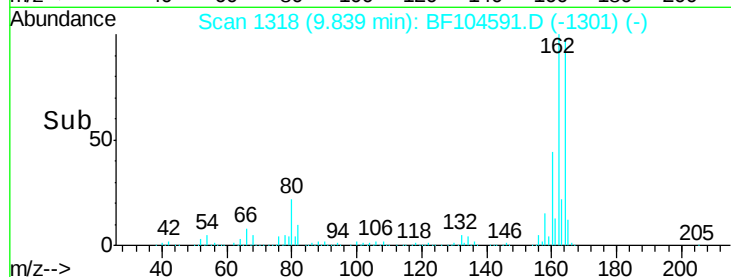
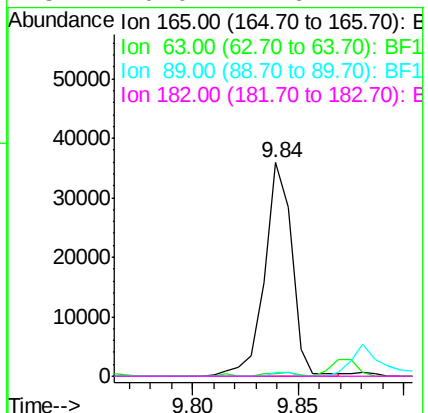
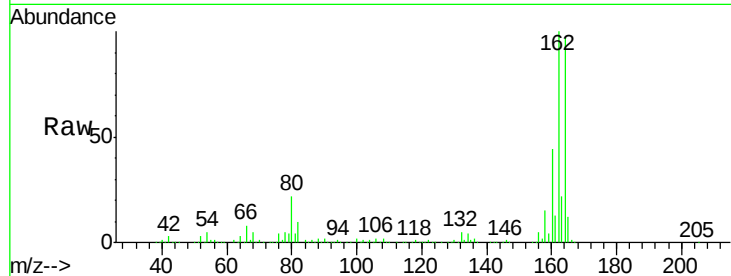




#56
 2,4-Dinitrotoluene
 Concen: 6.838 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104591.D
 Acq: 18 Apr 2018 10:39

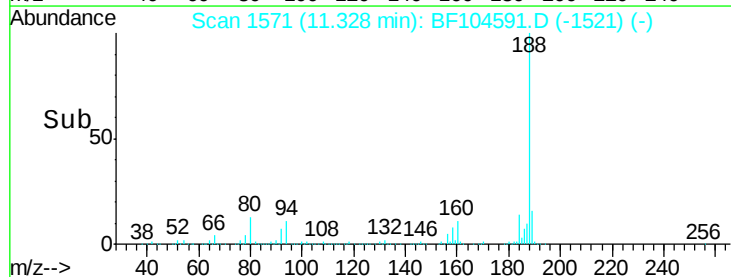
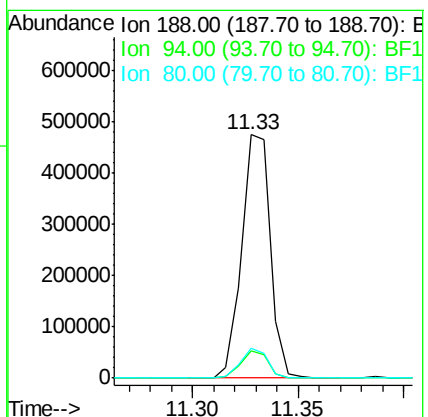
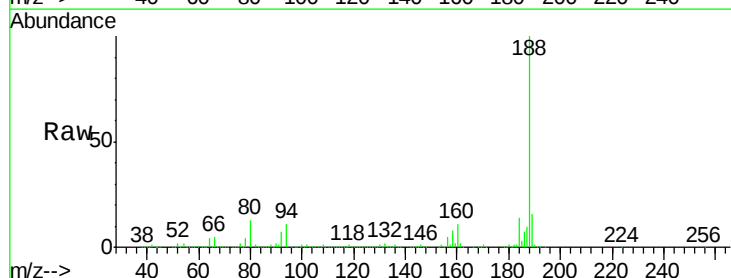
Instrument :
 BNA_F
 ClientSampled :

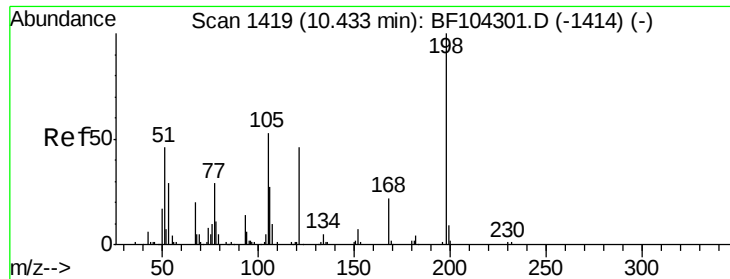
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104591.D
 Acq: 18 Apr 2018 10:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.5	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.640 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104591.D

Acq: 18 Apr 2018 10:39

Instrument :

BNA_F

ClientSampled :

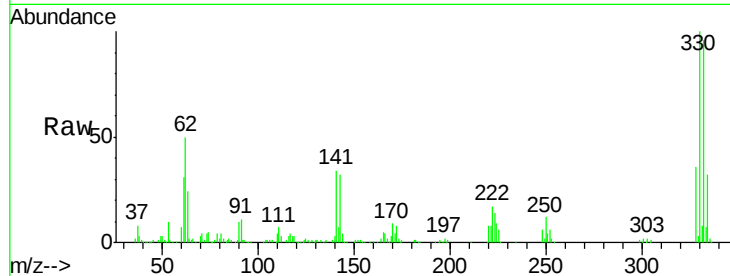
Tot Ion:198 Resp: 749

Ion Ratio Lower Upper

198 100

51 196.9 37.7 77.7#

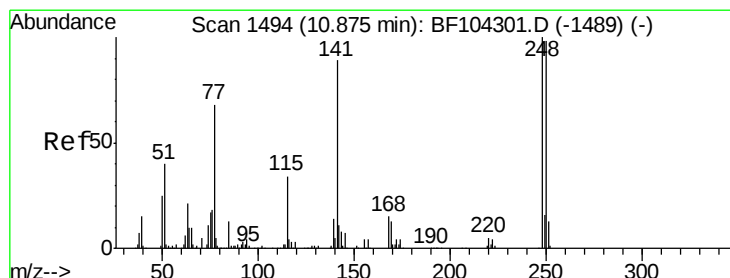
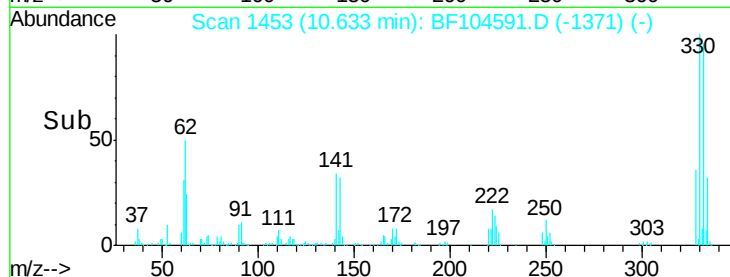
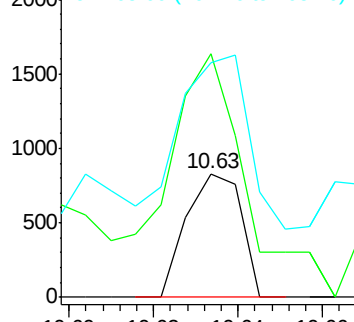
105 190.2 36.3 76.3#



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: 4.304 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF104591.D

Acq: 18 Apr 2018 10:39

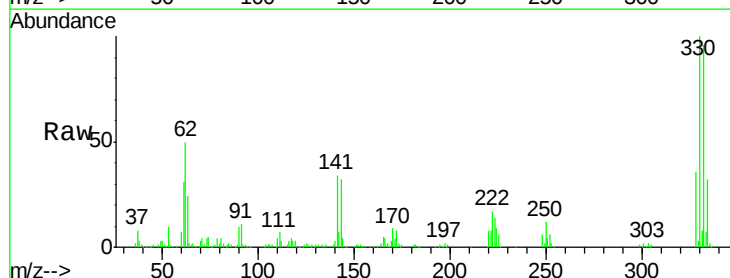
Tgt Ion:248 Resp: 20368

Ion Ratio Lower Upper

248 100

250 189.4 76.9 115.3#

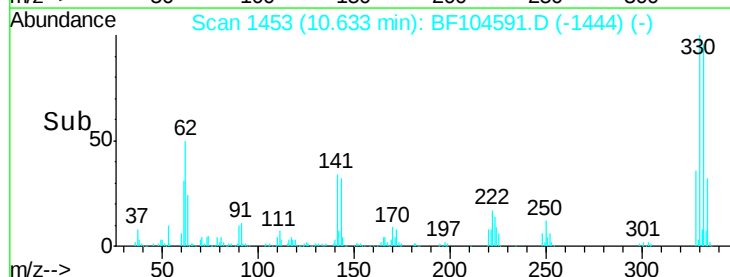
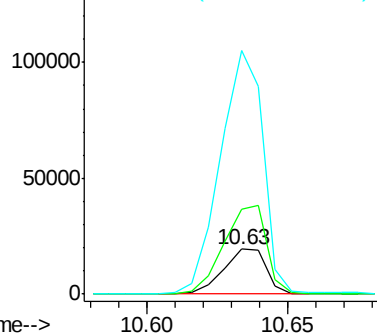
141 544.9 74.4 111.6#

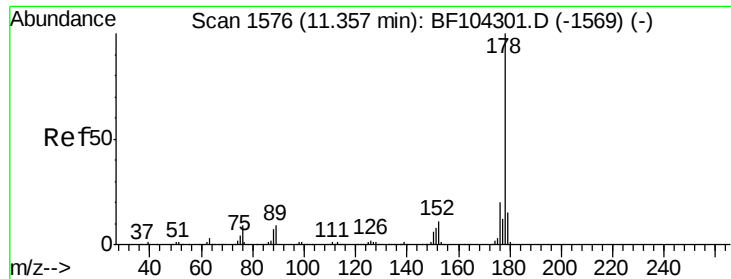


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.029 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104591.D

Acq: 18 Apr 2018 10:39

Instrument :

BNA_F

ClientSampleId :

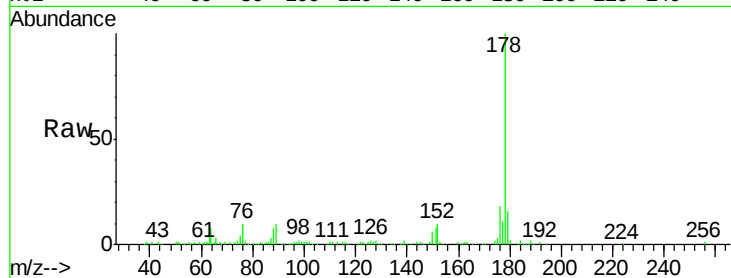
Tot Ion:178 Resp: 99804

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.8

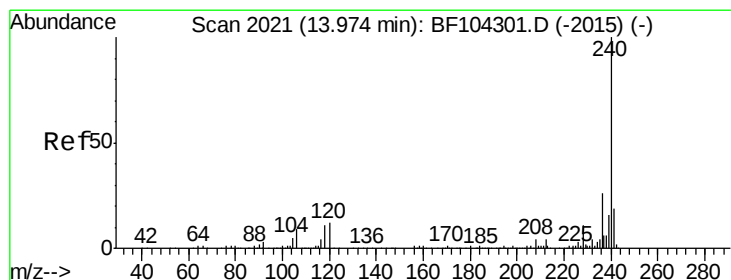
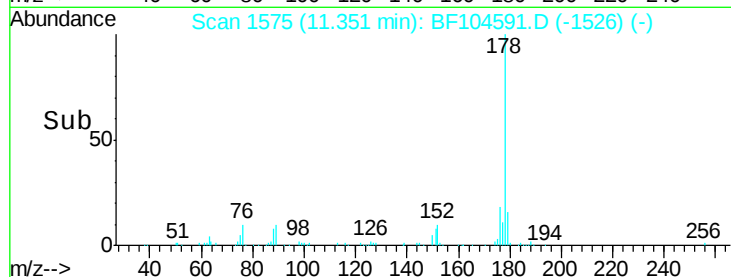
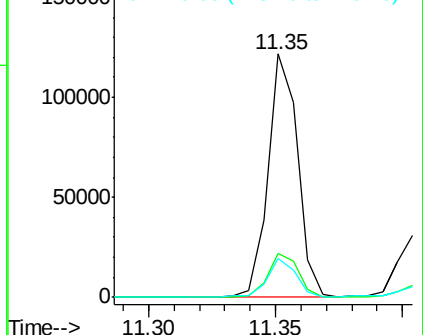
179 15.7 13.0 19.6



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: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104591.D

Acq: 18 Apr 2018 10:39

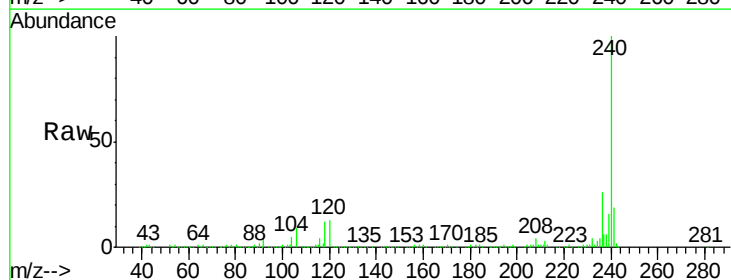
Tgt Ion:240 Resp: 326614

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

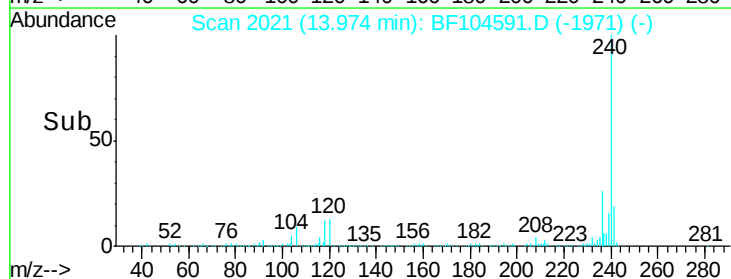
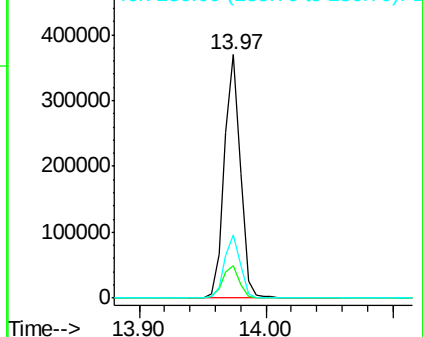
236 25.8 20.7 31.1

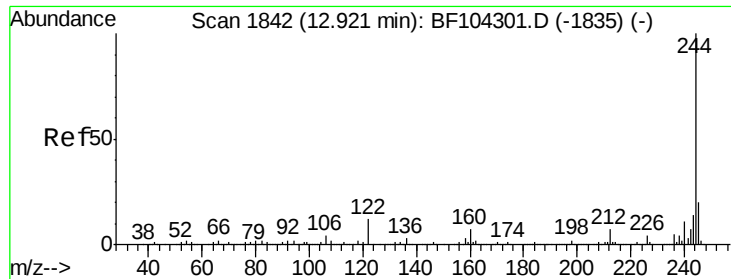


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 100.446 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104591.D

Acq: 18 Apr 2018 10:39

Instrument :

BNA_F

ClientSampleId :

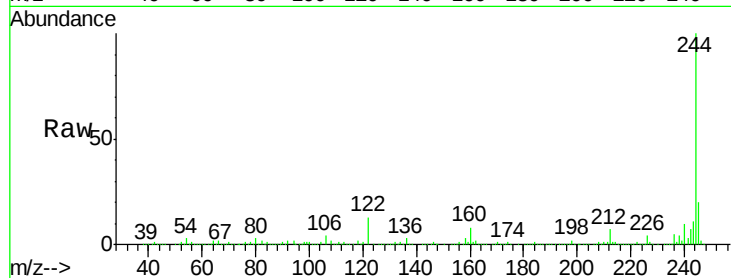
Tot Ion:244 Resp: 1439009

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

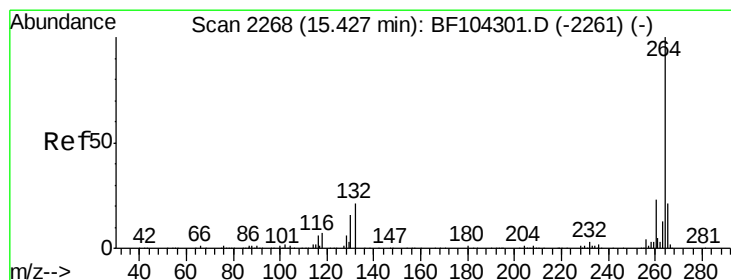
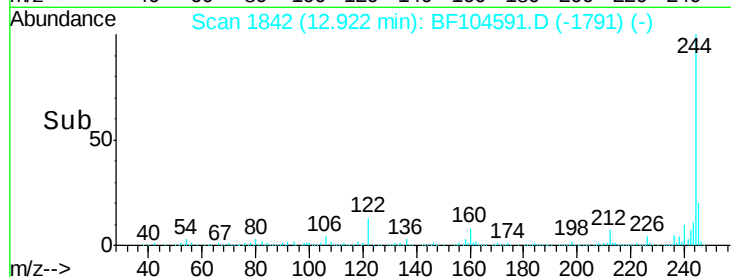
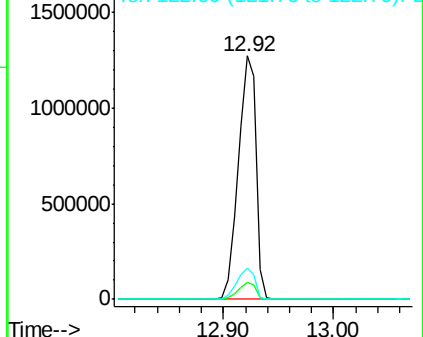
122 12.8 11.0 16.4



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: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF104591.D

Acq: 18 Apr 2018 10:39

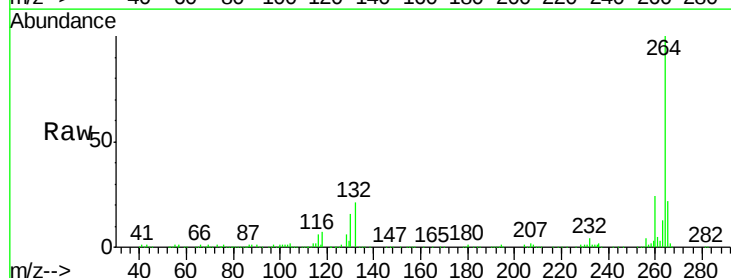
Tgt Ion:264 Resp: 248694

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.0 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

