

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101938.D
 Acq On : 5 Jan 2018 19:02
 Operator : SJ/JU
 Sample : J1027-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 05 21:39:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 12:29:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	123113	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	448782	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	160857	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	259630	20.00	ng	0.00
75) Chrysene-d12	13.96	240	261074	20.00	ng	0.00
86) Perylene-d12	15.43	264	207914	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1068699	129.30	ng	0.01
7) Phenol-d6	6.43	99	1132982	110.15	ng	0.00
23) Nitrobenzene-d5	7.35	82	837286	103.85	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	175948	113.52	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1120607	108.07	ng	0.00
78) Terphenyl-d14	12.88	244	879250	81.19	ng	0.00

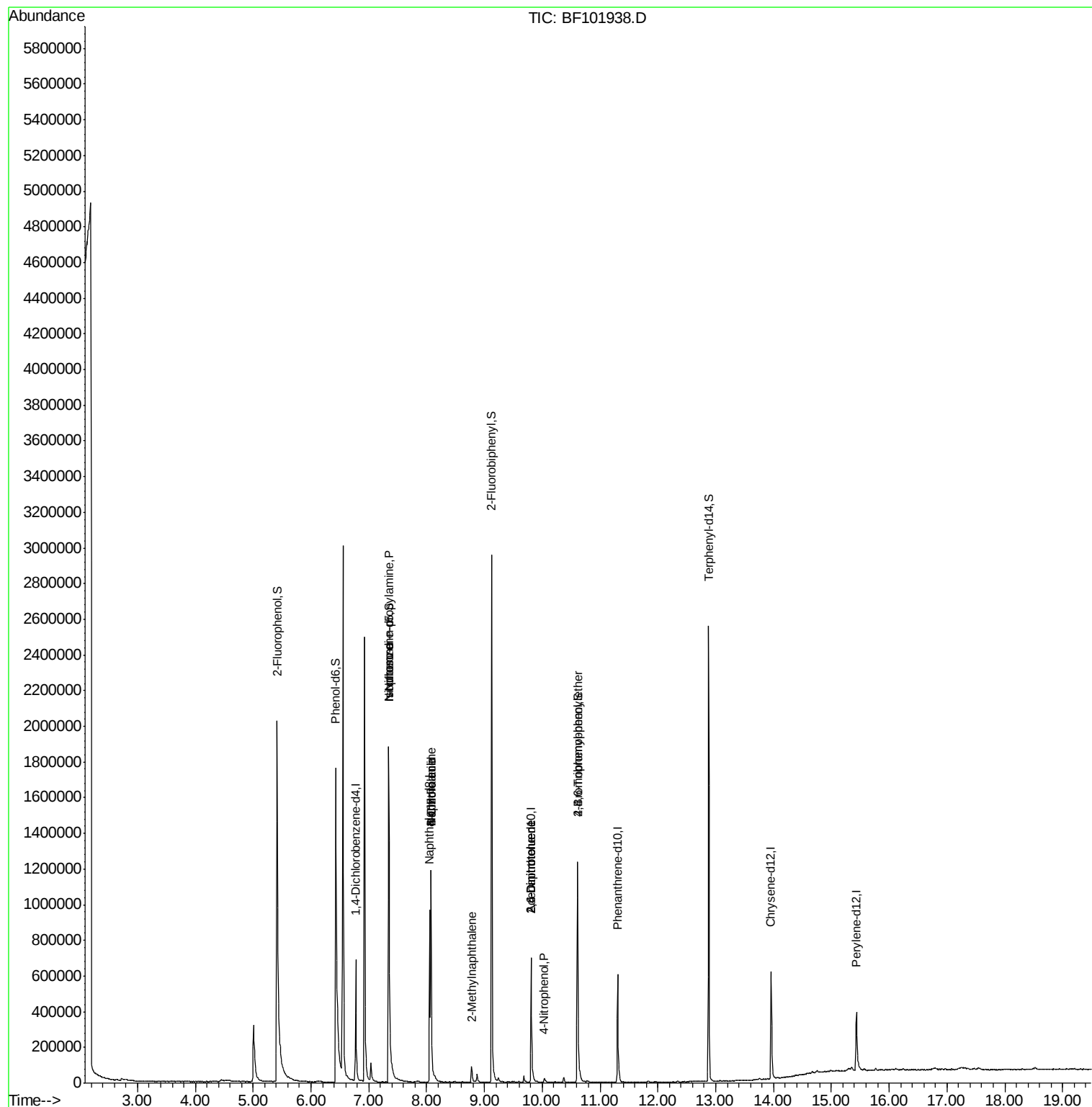
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	111971	16.576	ng	# 82
25) Isophorone	7.35	82	837286	51.770	ng	# 64
31) Naphthalene	8.07	128	614269	27.188	ng	# 99
32) Benzoic acid	8.07	122	1216	8.192	ng	# 1
33) 4-Chloroaniline	8.07	127	79641	8.110	ng	# 34
37) 2-Methylnaphthalene	8.78	142	35316	2.399	ng	# 94
50) 2,6-Dinitrotoluene	9.81	165	20605	7.835	ng	# 25
55) 4-Nitrophenol	10.03	139	4889	3.420	ng	# 9
56) 2,4-Dinitrotoluene	9.81	165	20605	6.955	ng	# 23
66) 4-Bromophenyl-phenylether	10.61	248	11725	4.019	ng	# 1

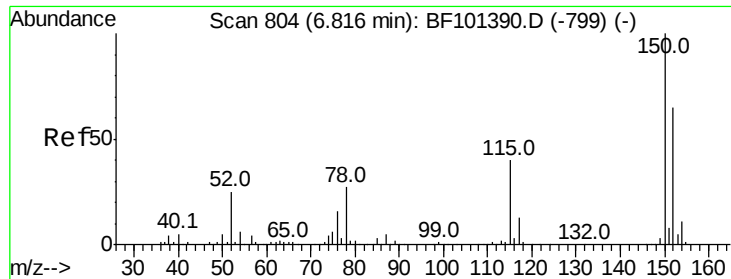
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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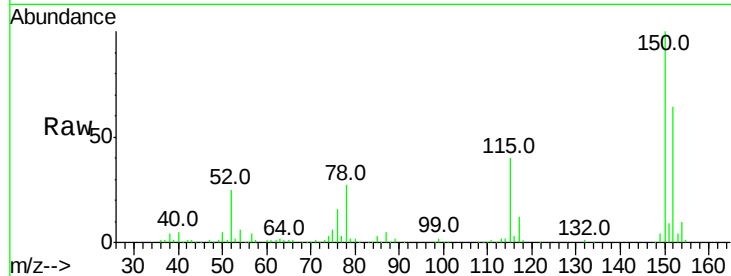


#1

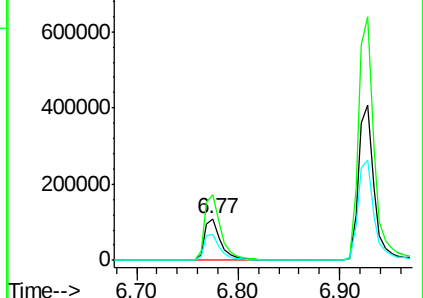
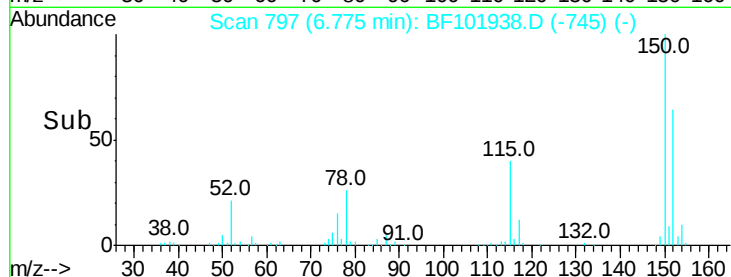
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF101938.D
Acq: 5 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 123113
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 62.5 50.1 75.1



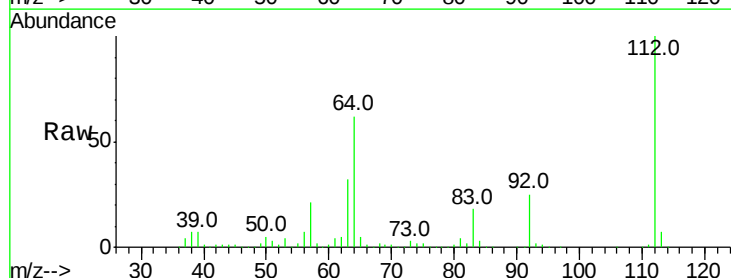
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



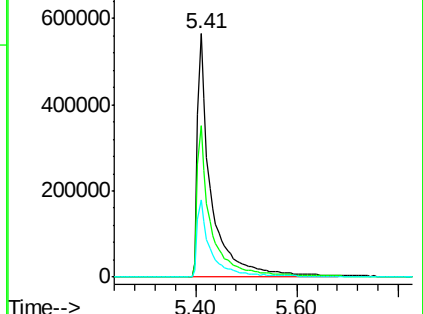
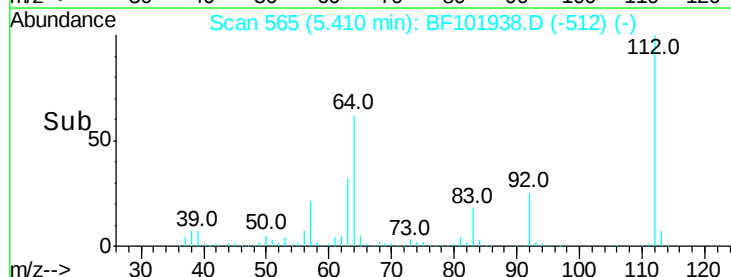
#5

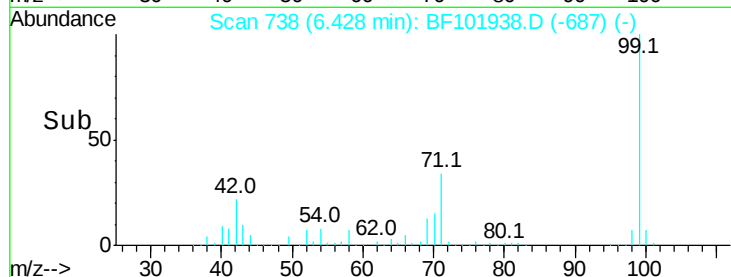
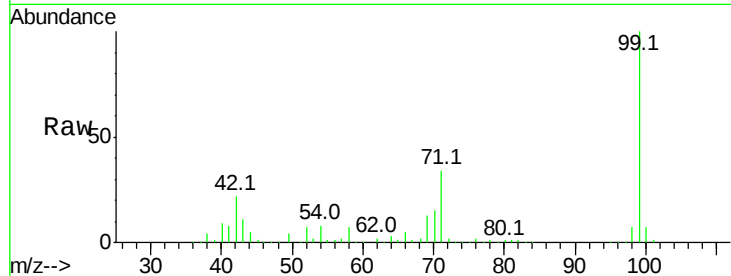
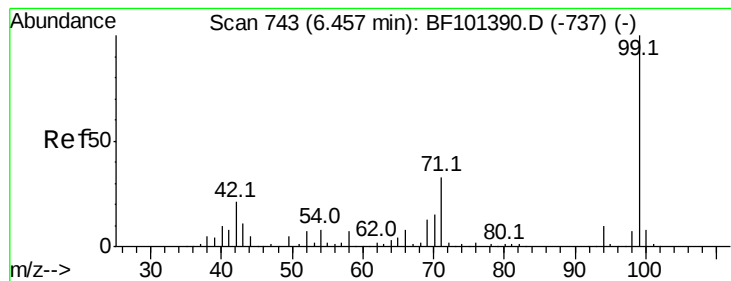
2-Fluorophenol
Concen: 129.305 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101938.D
Acq: 5 Jan 2018 19:02

Tgt Ion:112 Resp: 1068699
Ion Ratio Lower Upper
112 100
64 62.3 47.9 71.9
63 31.6 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: 110.147 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF101938.D

Acq: 5 Jan 2018 19:02

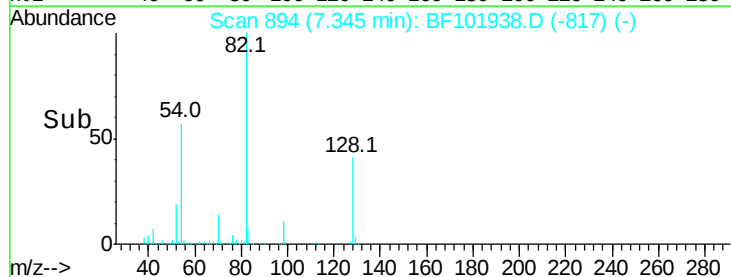
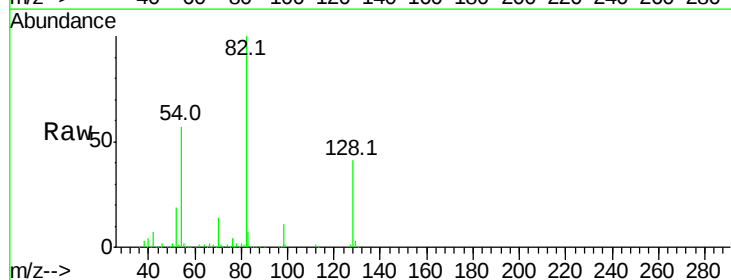
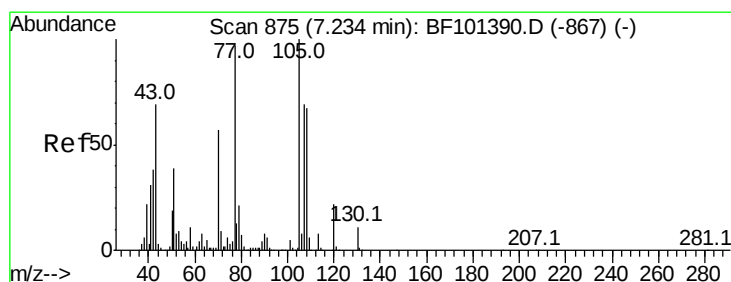
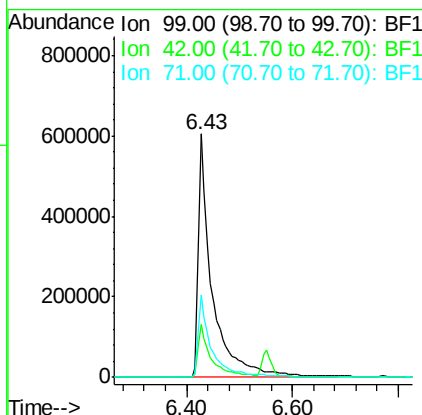
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1132982

Ion	Ratio	Lower	Upper
99	100		
42	21.8	14.5	21.7#
71	34.0	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.576 ng

RT: 7.35 min Scan# 894

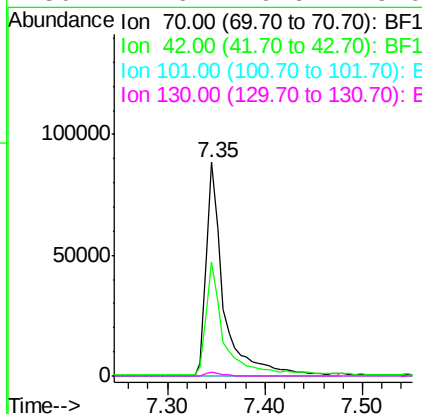
Delta R.T. 0.15 min

Lab File: BF101938.D

Acq: 5 Jan 2018 19:02

Tgt Ion: 70 Resp: 111971

Ion	Ratio	Lower	Upper
70	100		
42	53.4	47.5	71.3
101	0.0	7.4	11.2#
130	1.6	16.6	25.0#

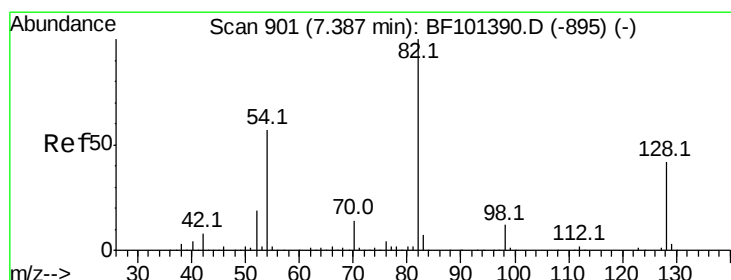
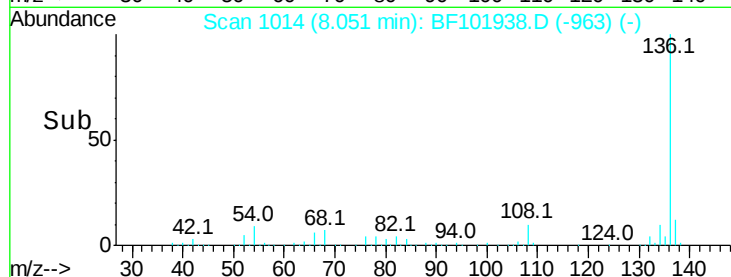
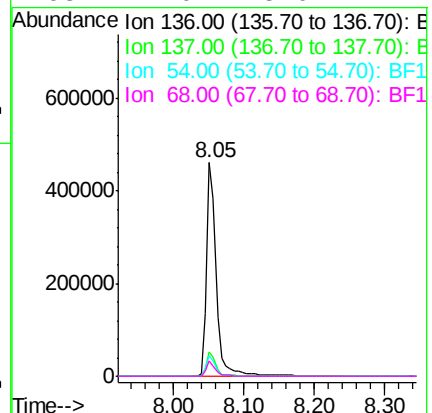
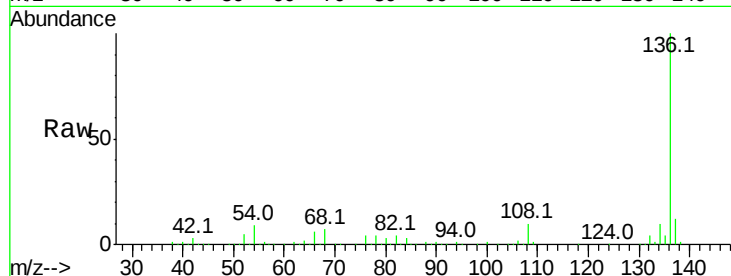




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF101938.D
Acq: 5 Jan 2018 19:02

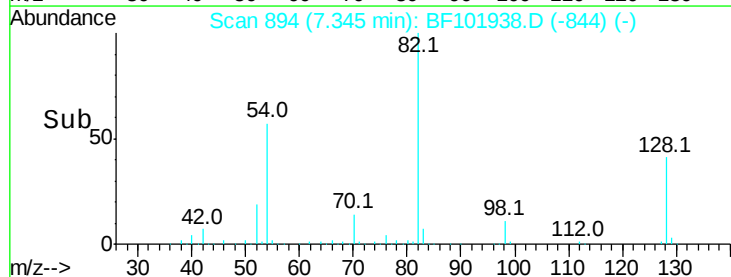
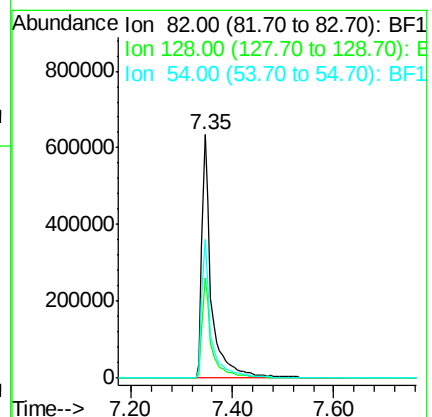
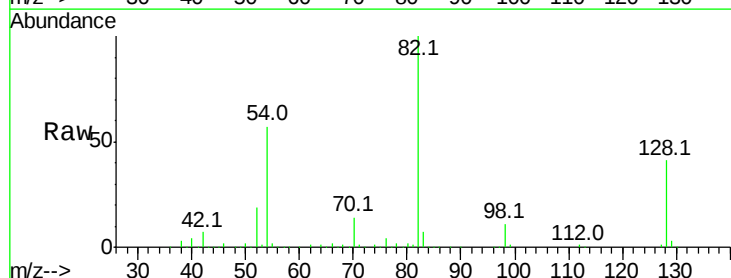
Instrument :
BNA_F
ClientSampleId :

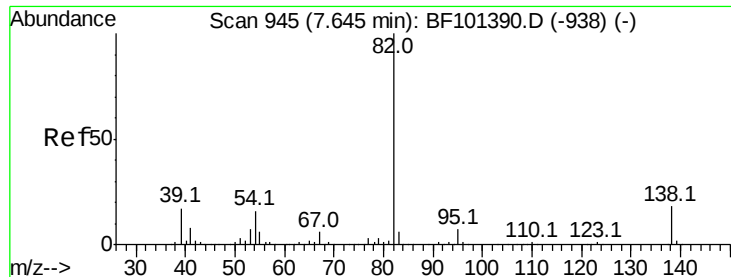
Tot Ion:136	Resp:	448782
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.9 13.3
54	9.3	6.6 9.8
68	7.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 103.855 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF101938.D
Acq: 5 Jan 2018 19:02

Tgt Ion: 82	Resp:	837286
Ion	Ratio	Lower Upper
82	100	
128	41.0	36.1 54.1
54	56.7	41.4 62.2





#25

Isophorone

Concen: 51.770 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.25 min

Lab File: BF101938.D

Acq: 5 Jan 2018 19:02

Instrument :

BNA_F

ClientSampled :

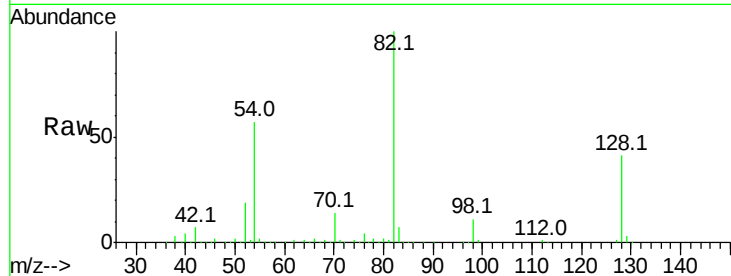
Tot Ion: 82 Resp: 837286

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

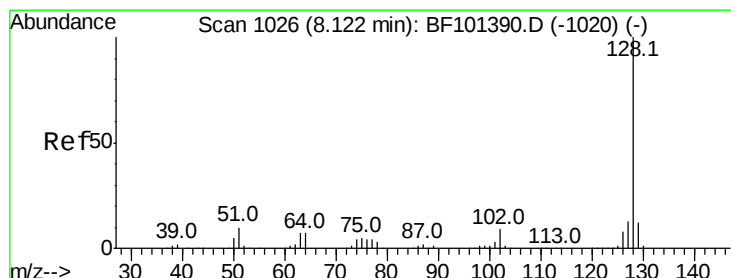
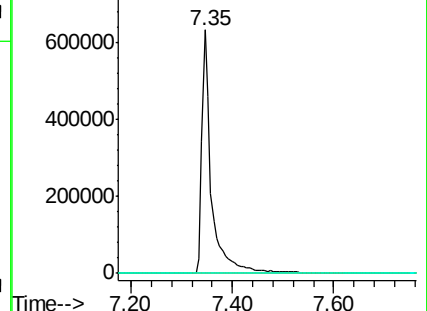
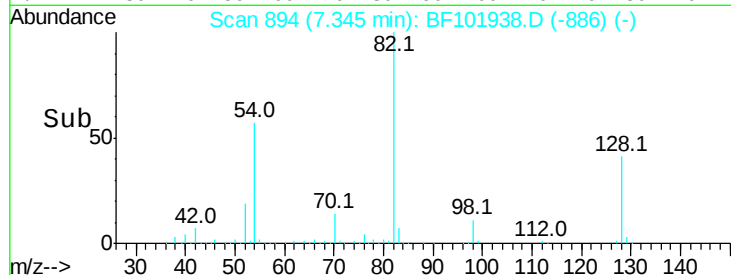
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 27.188 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF101938.D

Acq: 5 Jan 2018 19:02

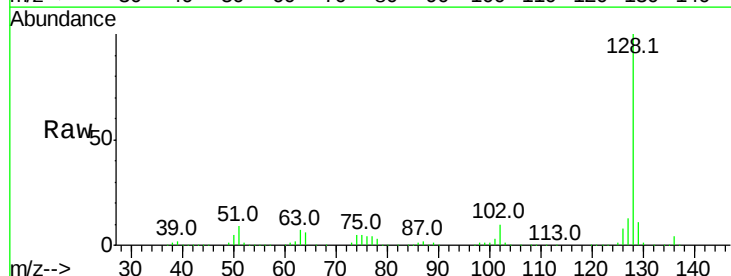
Tgt Ion:128 Resp: 614269

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

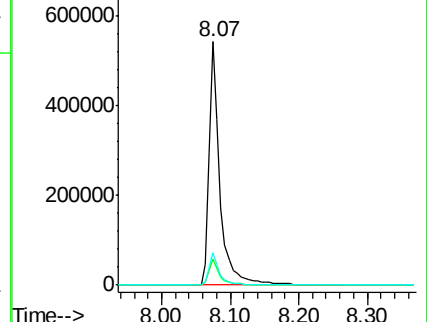
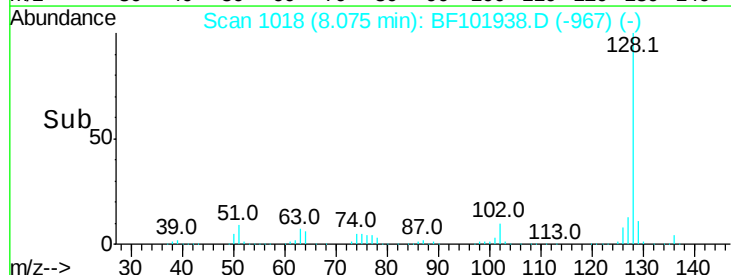
127 13.2 10.9 16.3

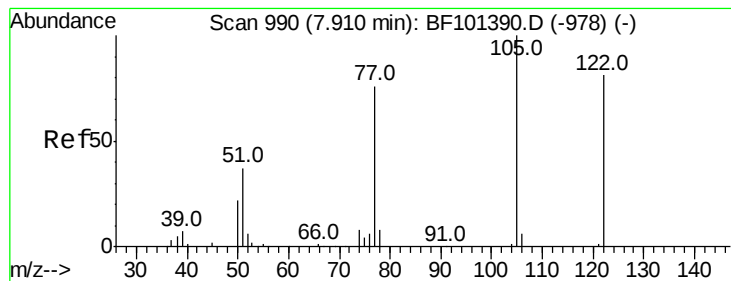


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 8.192 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.17 min

Lab File: BF101938.D

Acq: 5 Jan 2018 19:02

Instrument :

BNA_F

ClientSampleId :

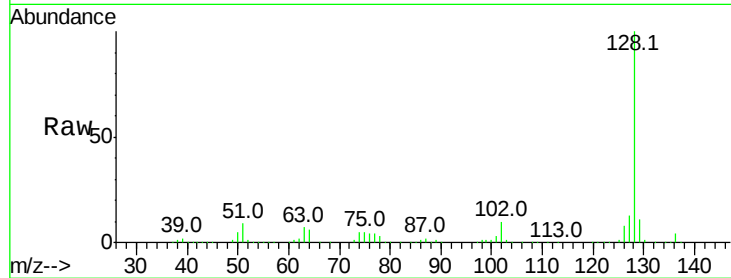
Tot Ion:122 Resp: 1216

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

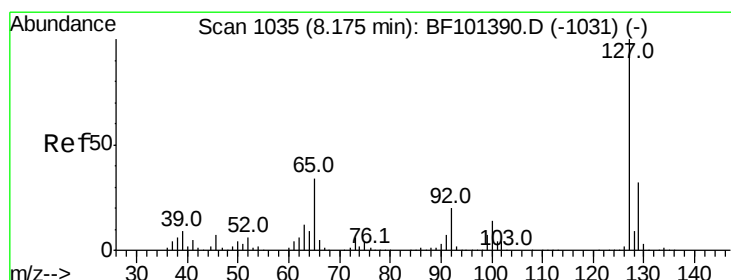
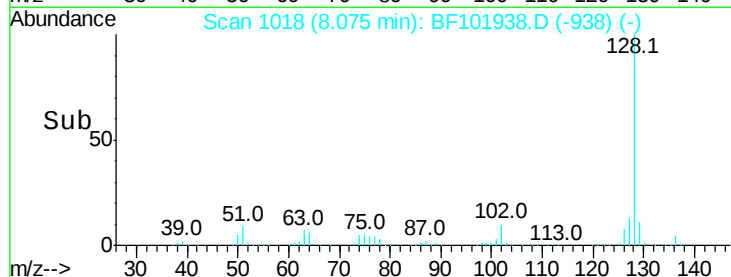
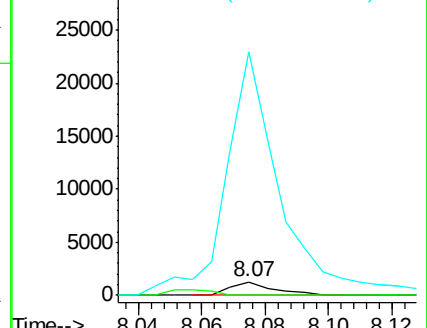
77 1799.5 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 8.110 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.06 min

Lab File: BF101938.D

Acq: 5 Jan 2018 19:02

Tgt Ion:127 Resp: 79641

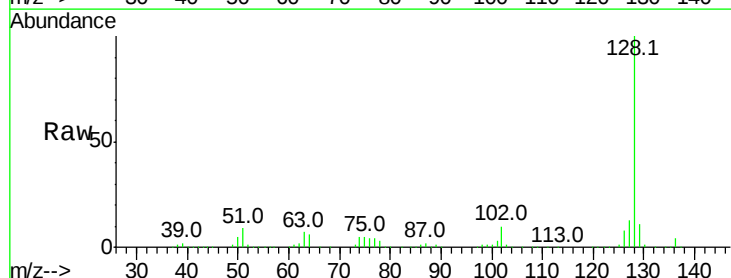
Ion Ratio Lower Upper

127 100

129 82.0 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

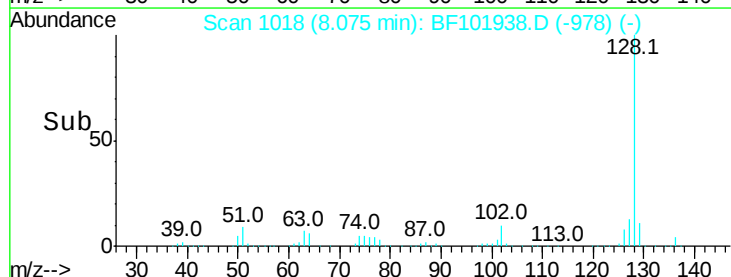
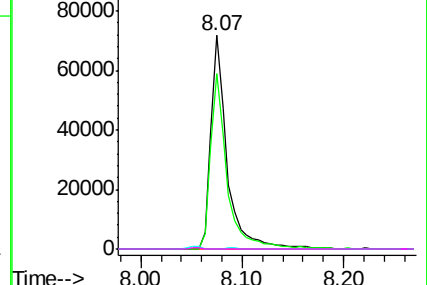


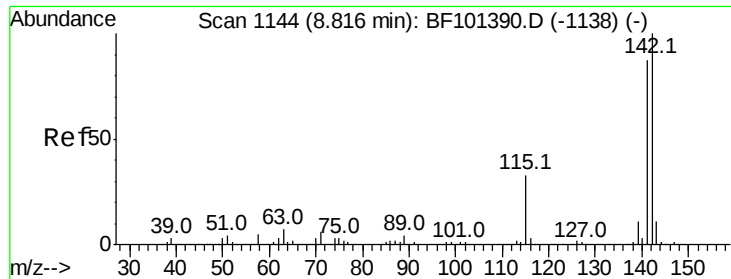
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

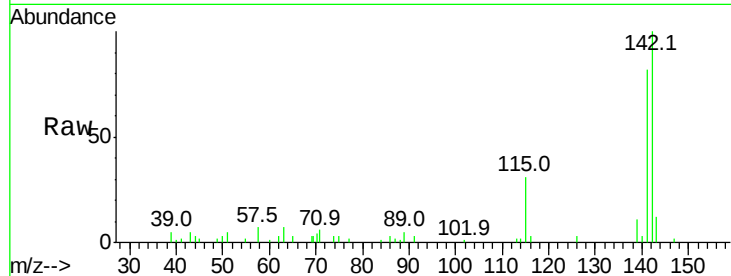




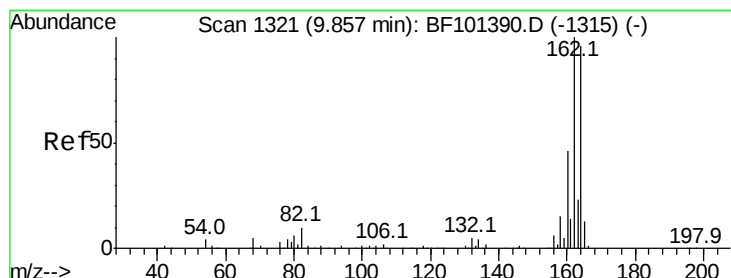
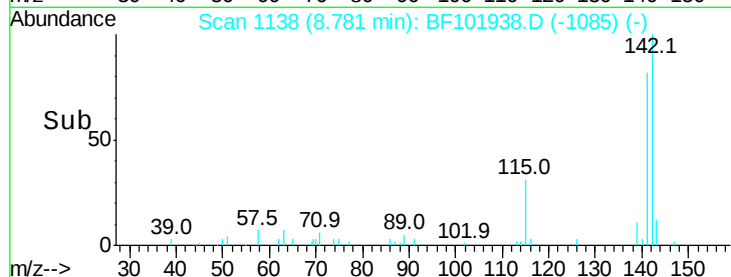
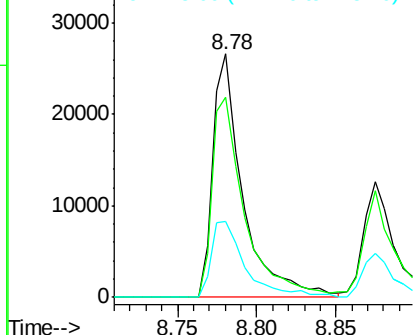
#37
2-Methylnaphthalene
Concen: 2.399 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.01 min
Lab File: BF101938.D
Acq: 5 Jan 2018 19:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 35316
Ion Ratio Lower Upper
142 100
141 82.2 70.8 106.2
115 31.1 26.1 39.1

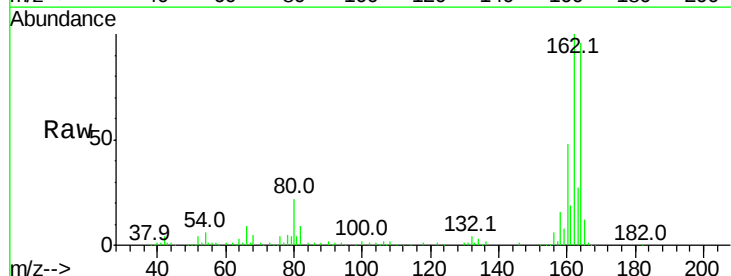


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

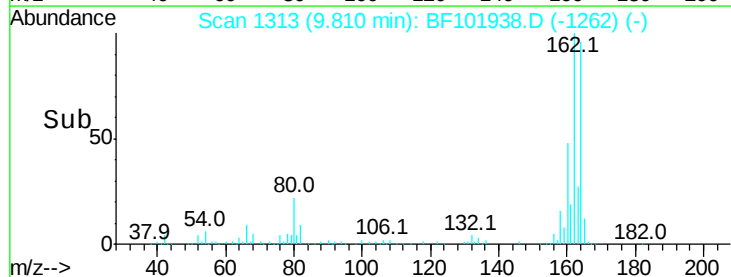
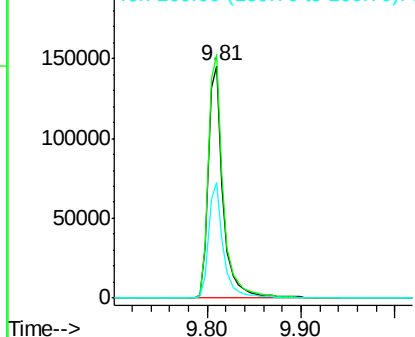


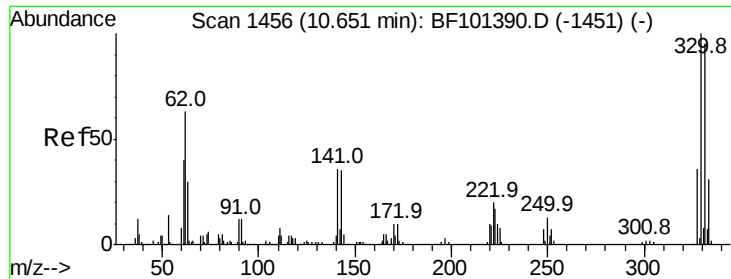
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF101938.D
Acq: 5 Jan 2018 19:02

Tgt Ion:164 Resp: 160857
Ion Ratio Lower Upper
164 100
162 104.7 86.1 129.1
160 49.8 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

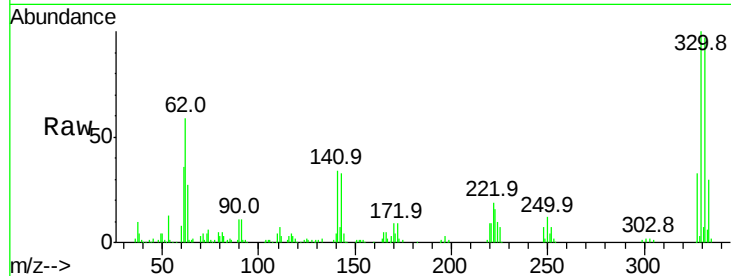




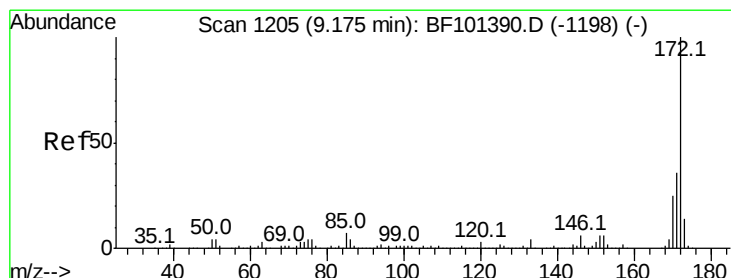
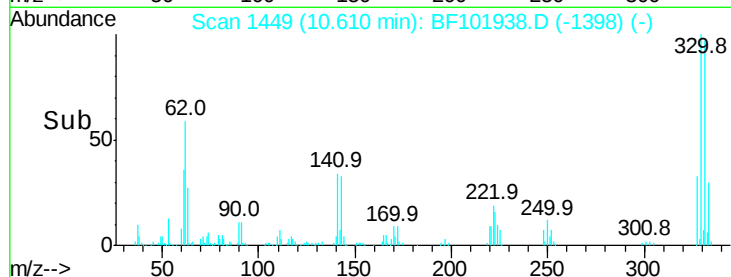
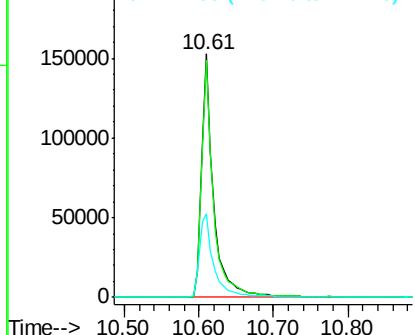
#41
 2,4,6-Tribromophenol
 Concen: 113.516 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF101938.D
 Acq: 5 Jan 2018 19:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 175948
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 40.3 29.9 44.9

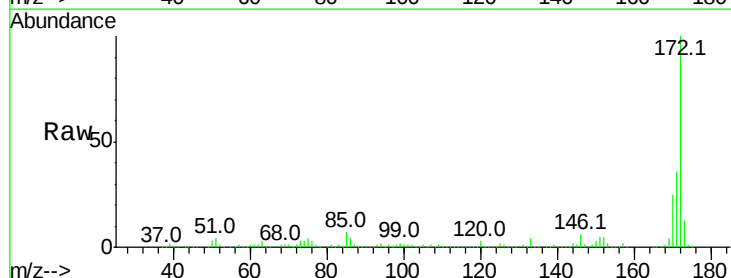


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

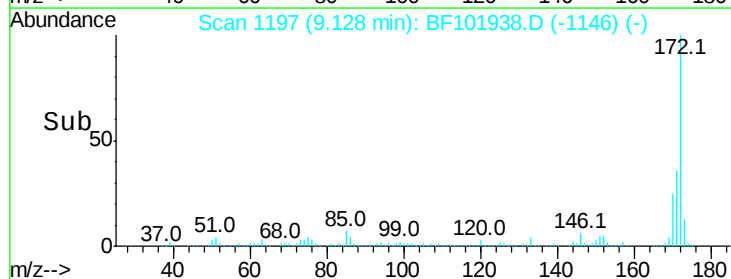
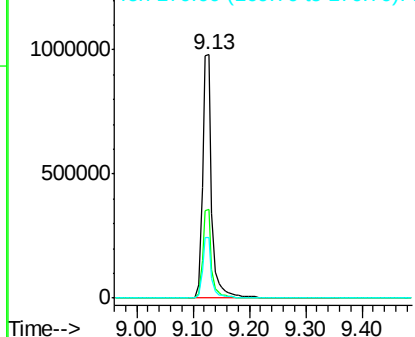


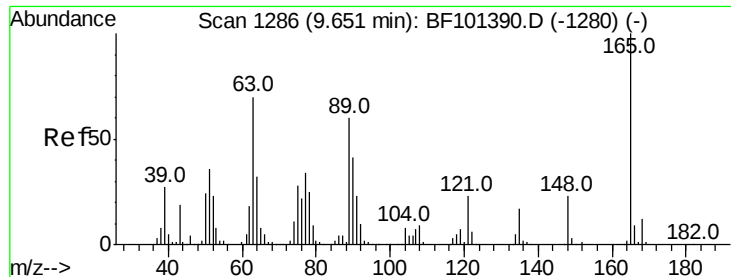
#44
 2-Fluorobiphenyl
 Concen: 108.067 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF101938.D
 Acq: 5 Jan 2018 19:02

Tgt Ion:172 Resp: 1120607
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.9 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





#50

2,6-Dinitrotoluene

Concen: 7.835 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.20 min

Lab File: BF101938.D

Acq: 5 Jan 2018 19:02

Instrument :

BNA_F

ClientSampled :

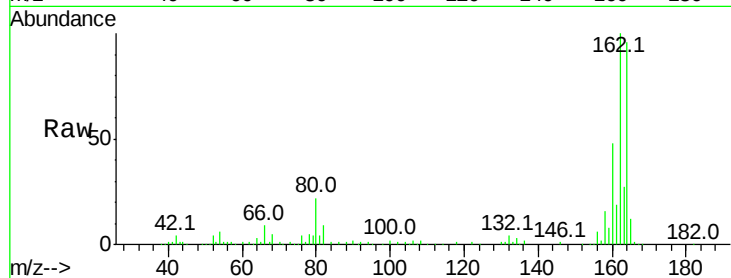
Tot Ion:165 Resp: 20605

Ion Ratio Lower Upper

165 100

63 2.1 44.7 67.1#

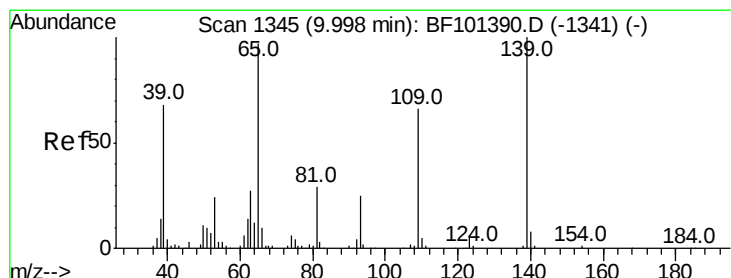
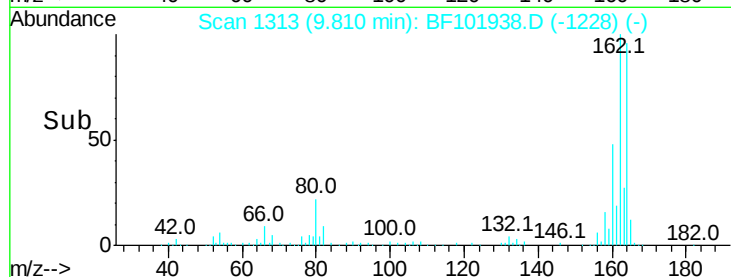
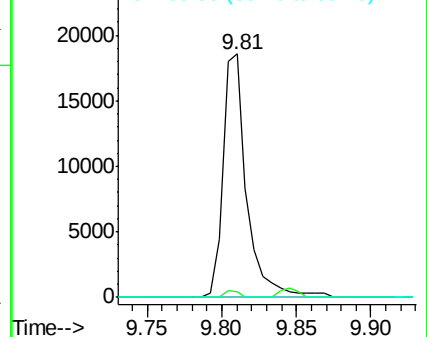
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#55

4-Nitrophenol

Concen: 3.420 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.04 min

Lab File: BF101938.D

Acq: 5 Jan 2018 19:02

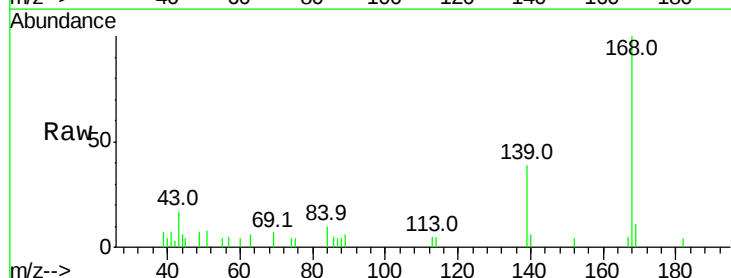
Tgt Ion:139 Resp: 4889

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

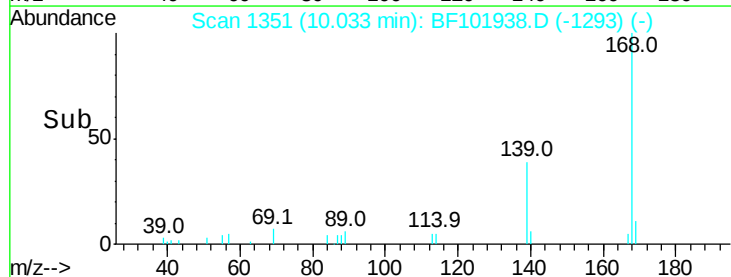
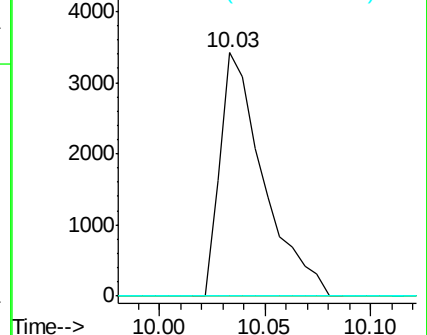
65 0.0 72.6 112.6#

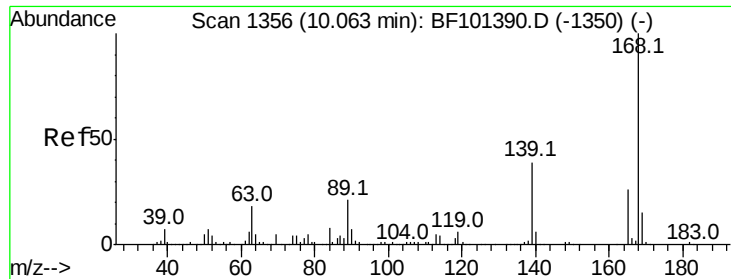


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

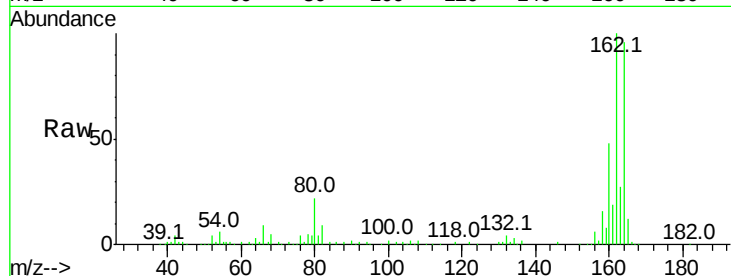




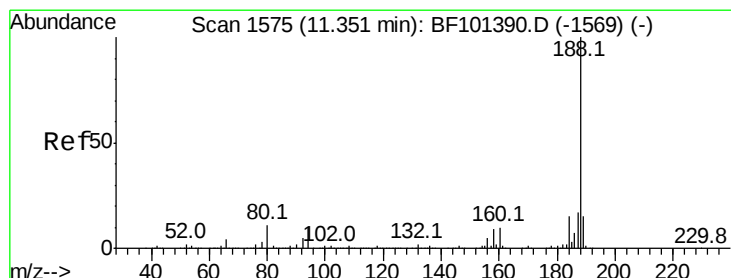
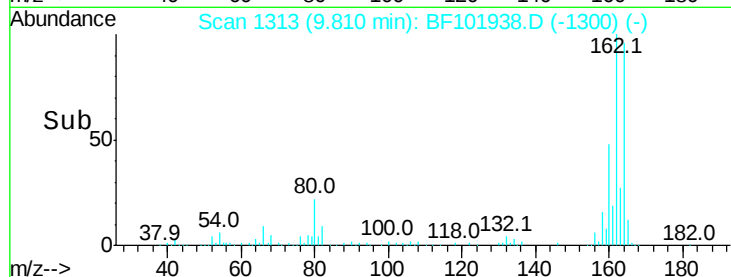
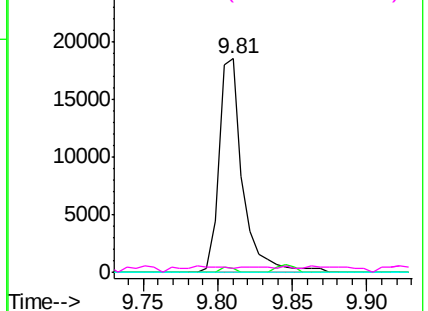
#56
2,4-Dinitrotoluene
Concen: 6.955 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.22 min
Lab File: BF101938.D
Acq: 5 Jan 2018 19:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 20605
Ion Ratio Lower Upper
165 100
63 2.1 36.4 54.6#
89 0.0 57.8 86.6#
182 1.6 1.6 2.4

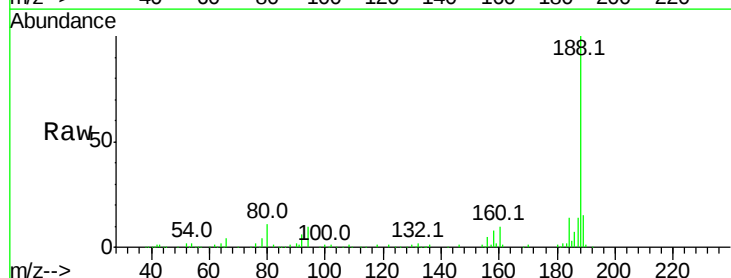


Abundance Ion 165.00 (164.70 to 165.70): E

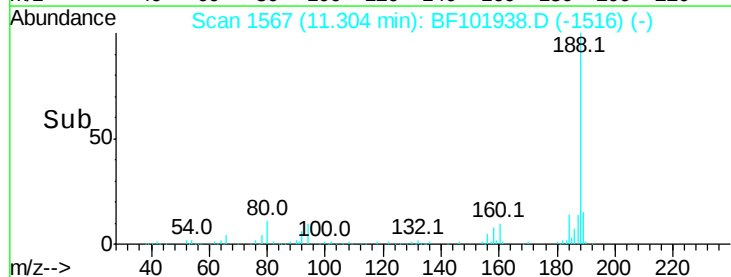
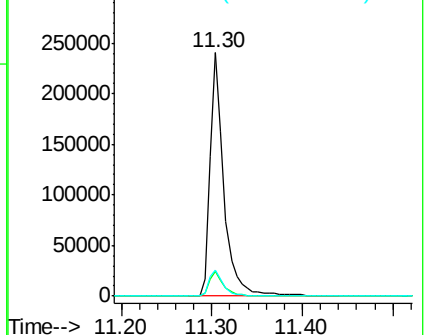


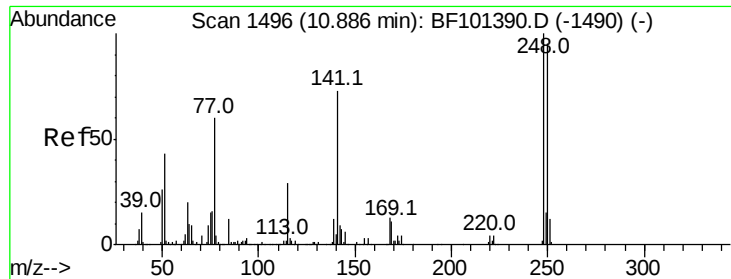
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF101938.D
Acq: 5 Jan 2018 19:02

Tgt Ion:188 Resp: 259630
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

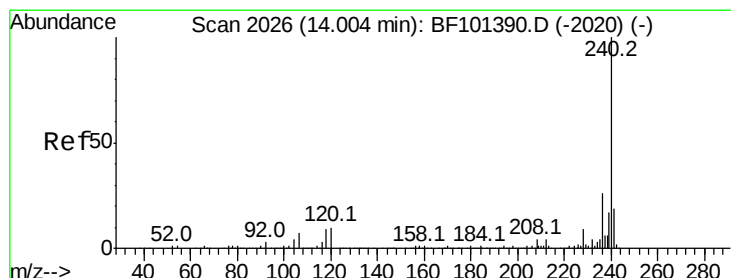
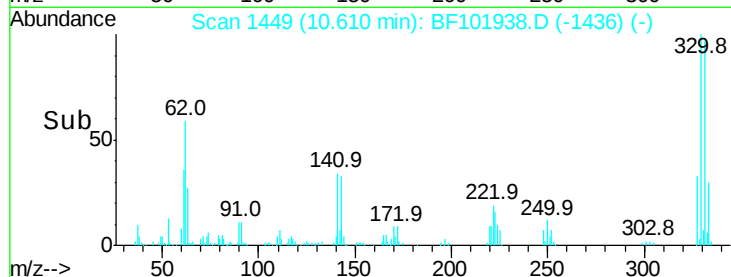
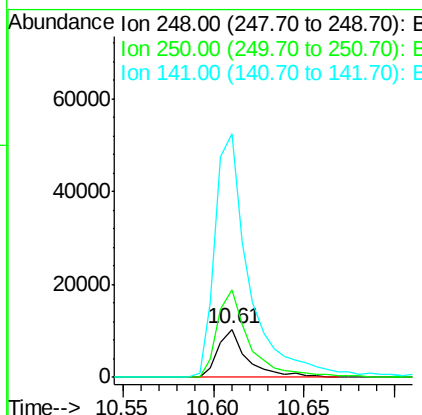
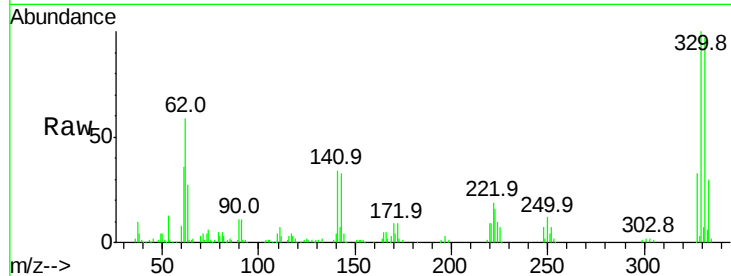




#66
 4-Bromophenyl-phenylether
 Concen: 4.019 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.22 min
 Lab File: BF101938.D
 Acq: 5 Jan 2018 19:02

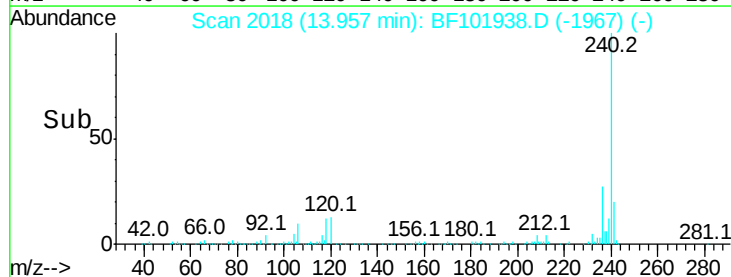
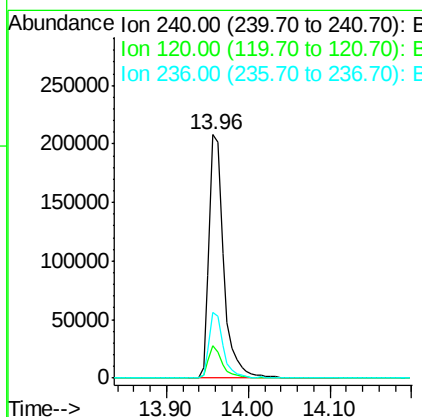
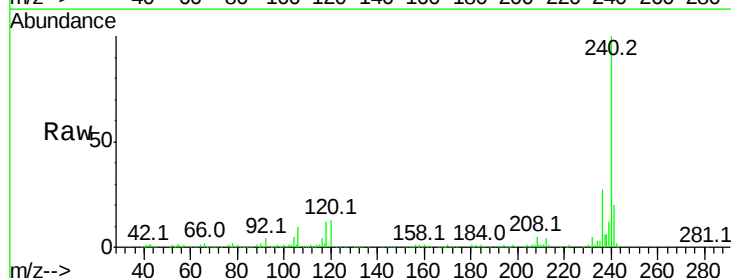
Instrument :
 BNA_F
 ClientSampleId :

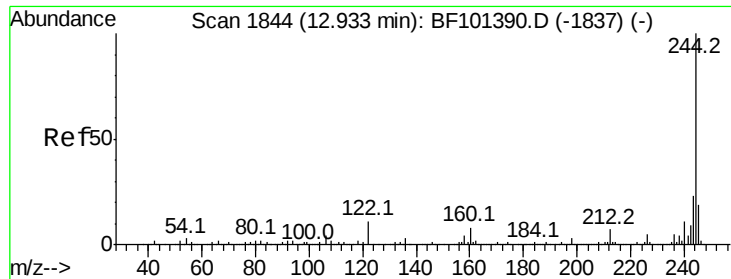
Tot Ion:248 Resp: 11725
 Ion Ratio Lower Upper
 248 100
 250 183.3 76.9 115.3#
 141 507.6 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BF101938.D
 Acq: 5 Jan 2018 19:02

Tgt Ion:240 Resp: 261074
 Ion Ratio Lower Upper
 240 100
 120 13.3 9.5 14.3
 236 27.0 20.7 31.1





#78

Terphenyl-d14

Concen: 81.190 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF101938.D

Acq: 5 Jan 2018 19:02

Instrument :

BNA_F

ClientSampleId :

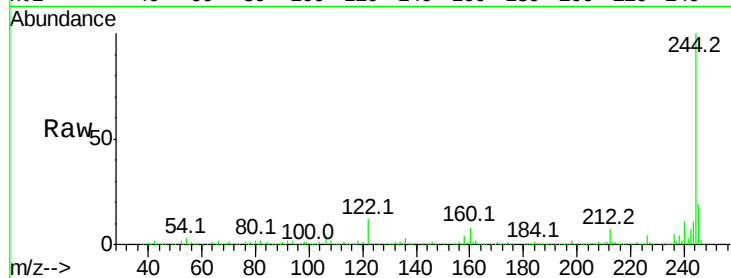
Tot Ion:244 Resp: 879250

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

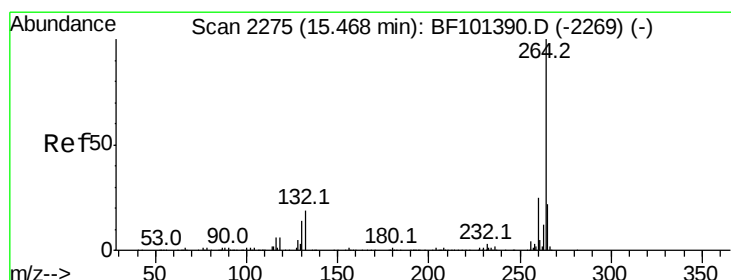
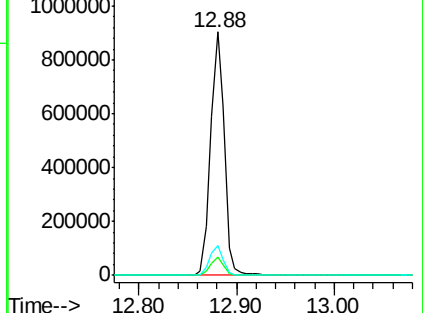
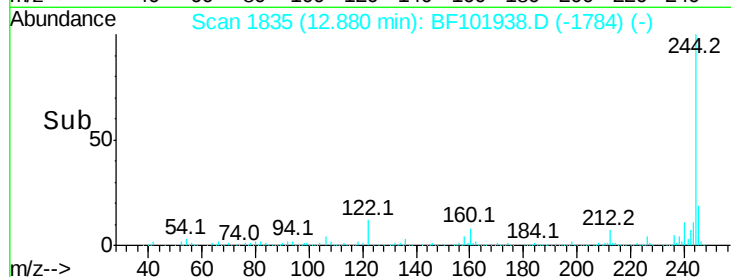
122 12.2 11.0 16.4



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: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF101938.D

Acq: 5 Jan 2018 19:02

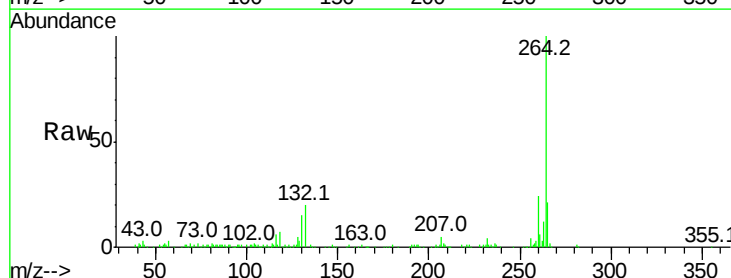
Tgt Ion:264 Resp: 207914

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.3 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

