

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102732.D
 Acq On : 5 Feb 2018 12:25
 Operator : SJ/JU
 Sample : J1436-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 15:57:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	224249	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	907271	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	392004	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	605418	20.00	ng	0.00
75) Chrysene-d12	14.04	240	386008	20.00	ng	-0.01
86) Perylene-d12	15.52	264	367621	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1455365	98.56	ng	0.00
7) Phenol-d6	6.51	99	1710328	96.20	ng	0.00
23) Nitrobenzene-d5	7.45	82	1052616	80.48	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	333991	105.86	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1664186	70.45	ng	0.00
78) Terphenyl-d14	12.99	244	1198715	73.53	ng	0.00

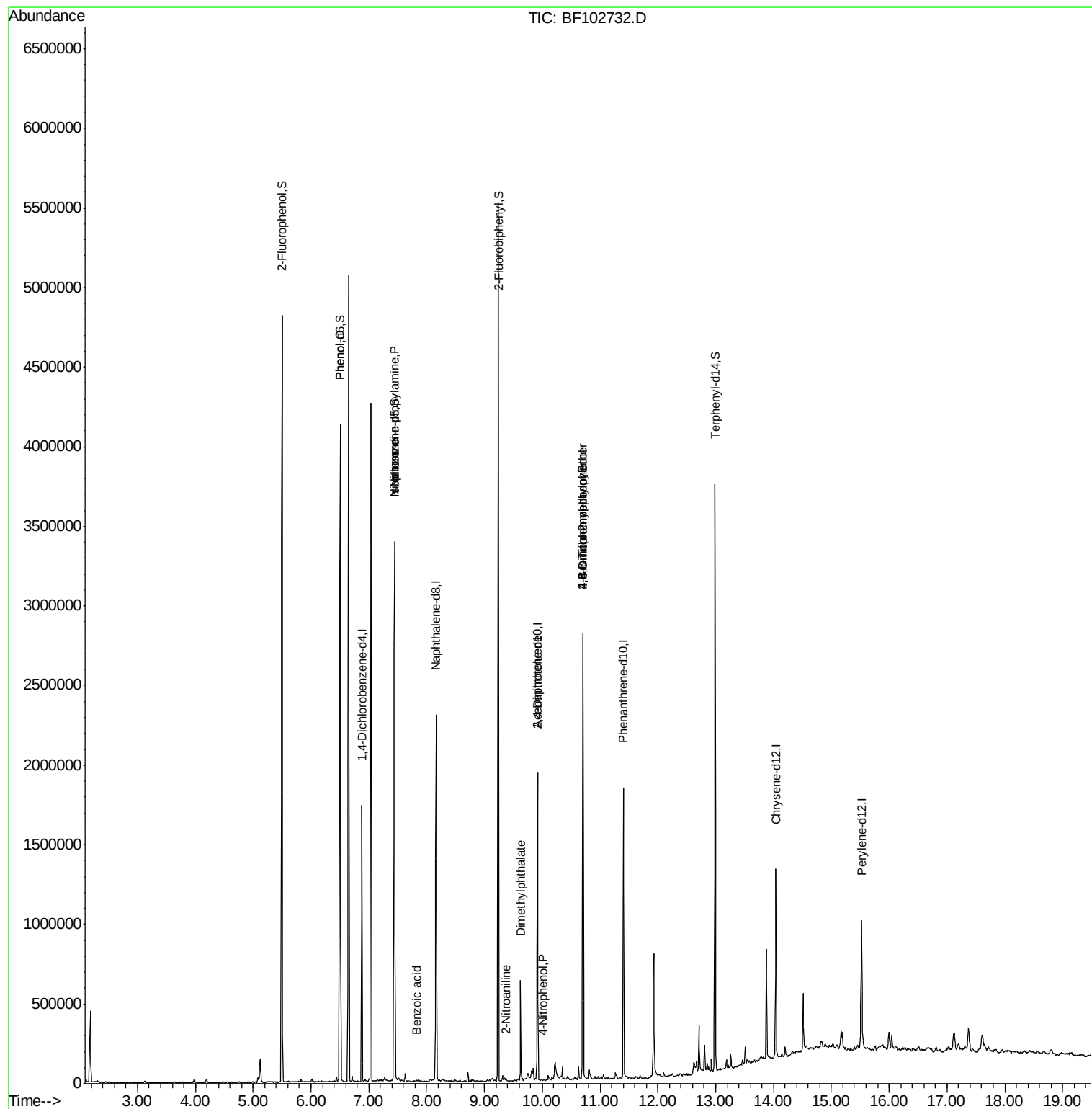
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	79264	4.160	ng	92
19) n-Nitroso-di-n-propylamine	7.45	70	142912	12.191	ng	# 83
25) Isophorone	7.45	82	1052433	34.946	ng	# 64
32) Benzoic acid	7.83	122	1663	8.722	ng	98
47) 2-Nitroaniline	9.37	65	293	3.506	ng	# 2
49) Dimethylphthalate	9.63	163	207199	6.779	ng	99
55) 4-Nitrophenol	10.01	139	112	4.042	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	50202	9.100	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	627	9.022	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	21058	3.288	ng	# 1

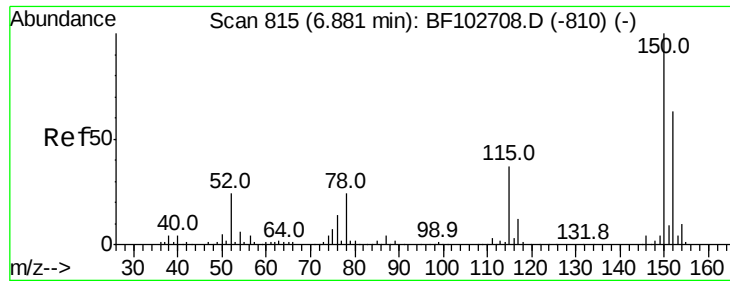
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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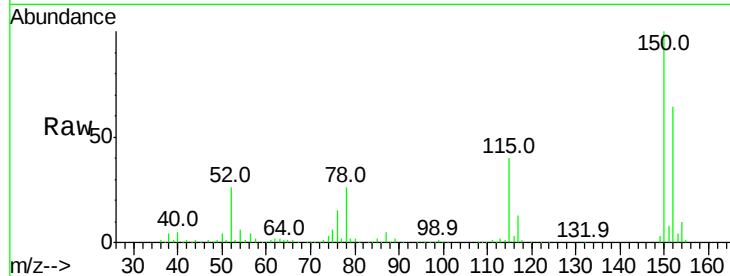


#1

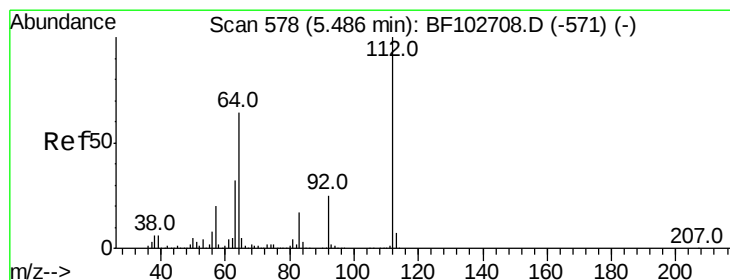
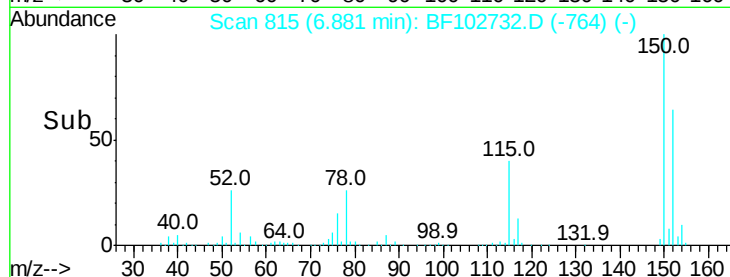
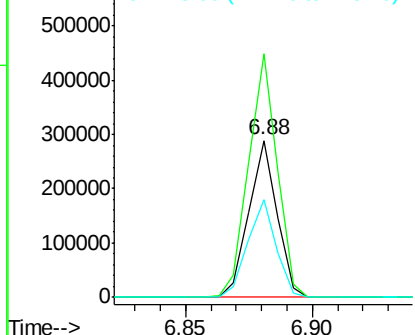
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102732.D
Acq: 5 Feb 2018 12:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 224249
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 62.5 50.1 75.1



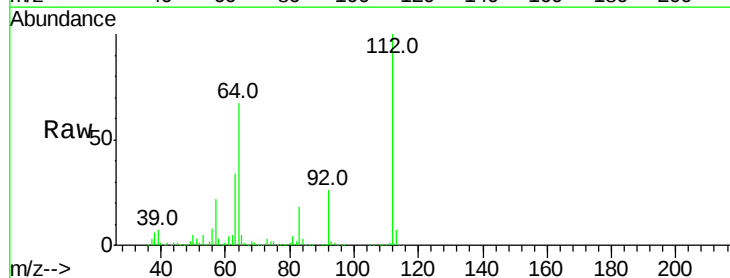
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



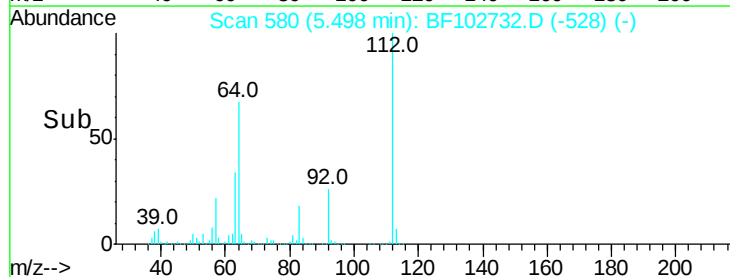
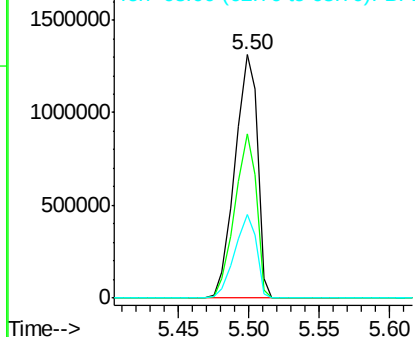
#5

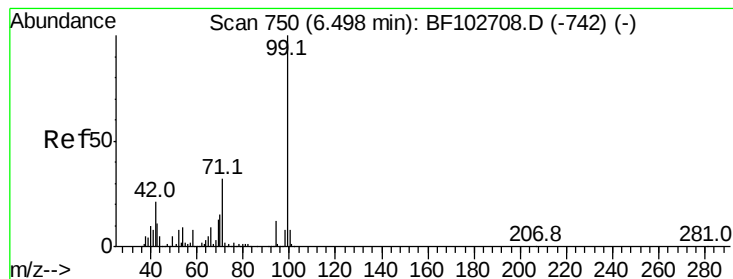
2-Fluorophenol
Concen: 98.561 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102732.D
Acq: 5 Feb 2018 12:25

Tgt Ion:112 Resp: 1455365
Ion Ratio Lower Upper
112 100
64 67.3 47.9 71.9
63 34.1 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: 96.197 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

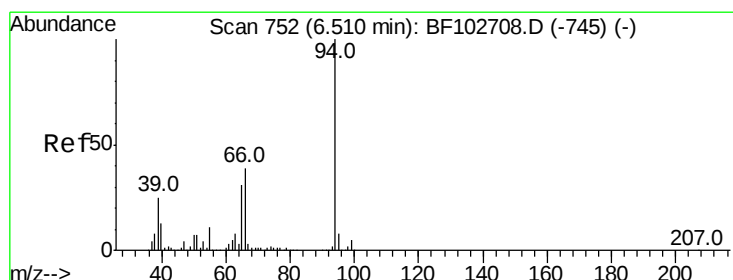
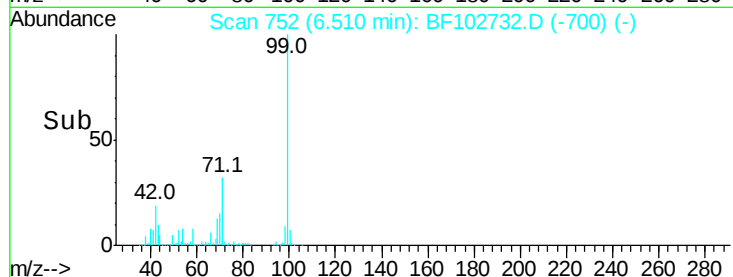
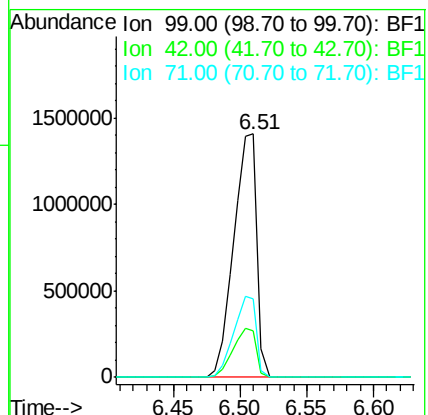
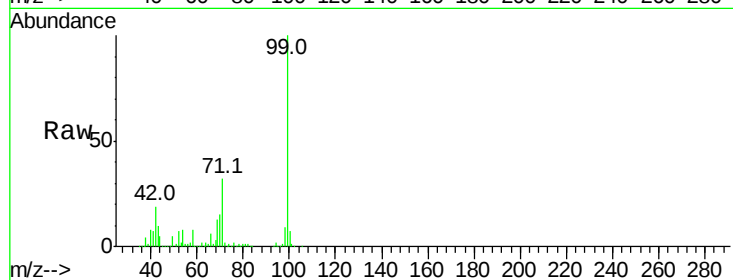
Tot Ion: 99 Resp: 1710328

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

71 32.3 25.4 38.0



#10

Phenol

Concen: 4.160 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

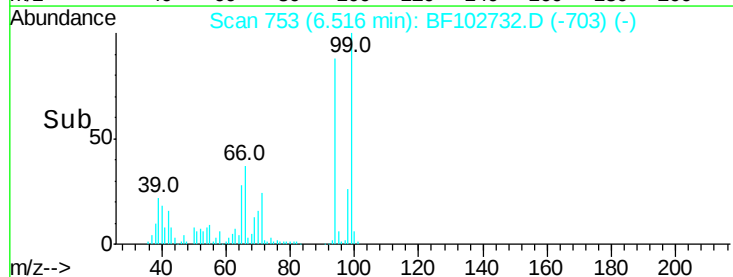
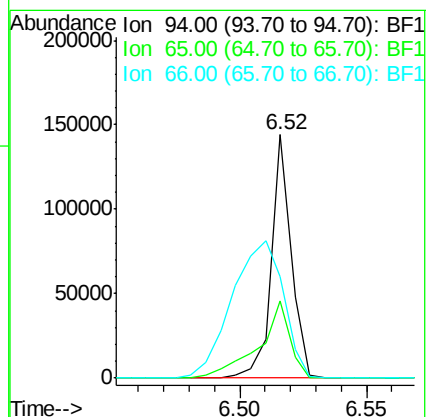
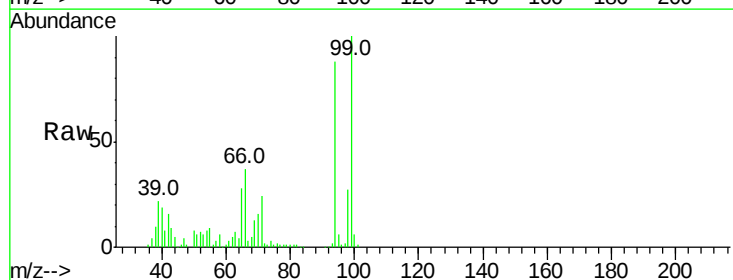
Tgt Ion: 94 Resp: 79264

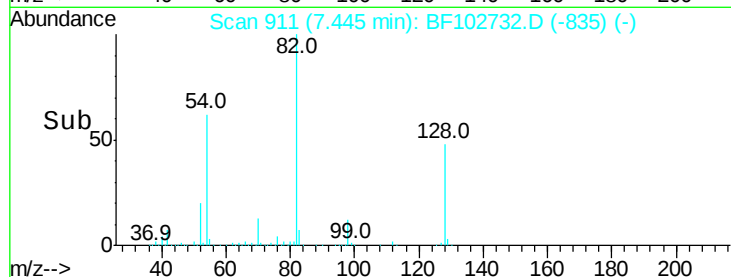
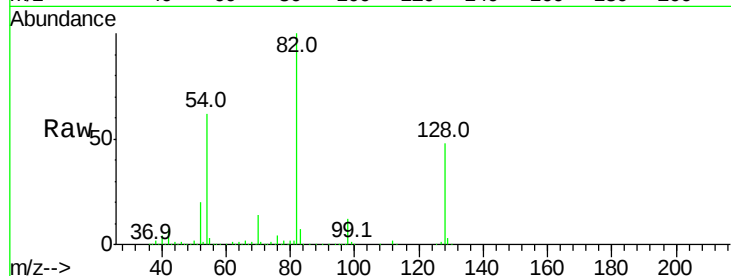
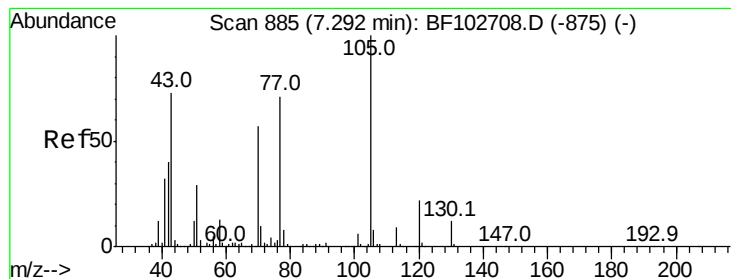
Ion Ratio Lower Upper

94 100

65 31.7 7.9 47.9

66 41.8 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.191 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 142912

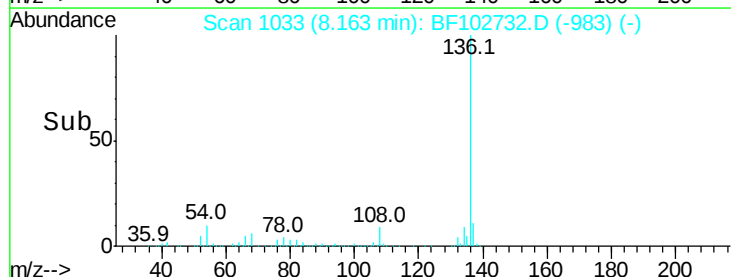
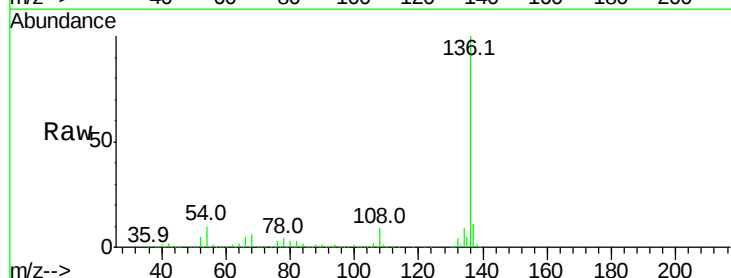
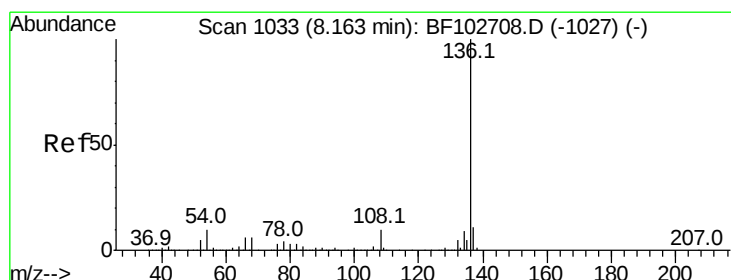
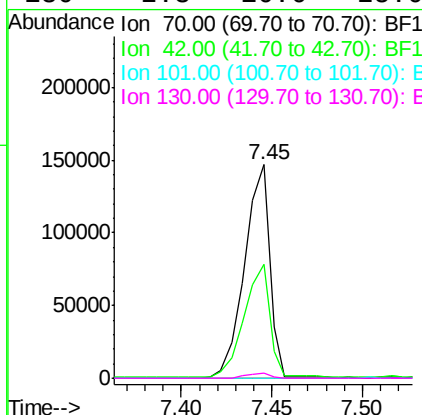
Ion Ratio Lower Upper

70 100

42 53.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

Tgt Ion:136 Resp: 907271

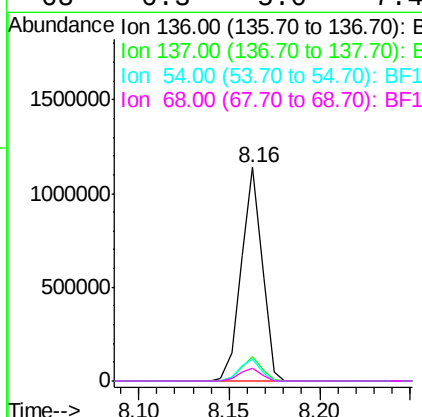
Ion Ratio Lower Upper

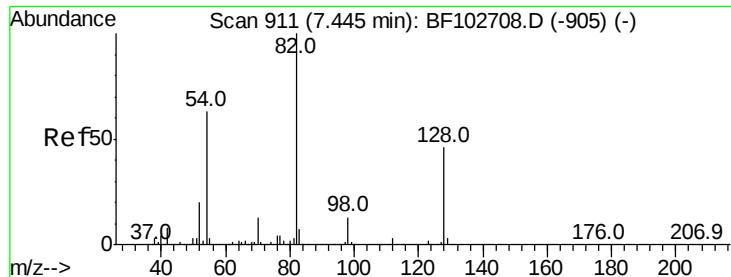
136 100

137 11.2 8.9 13.3

54 9.9 6.6 9.8#

68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 80.484 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

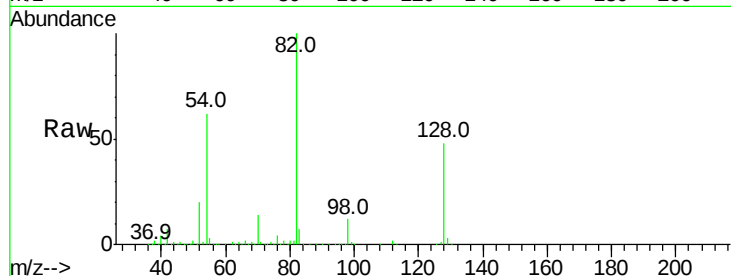
Tot Ion: 82 Resp: 1052616

Ion Ratio Lower Upper

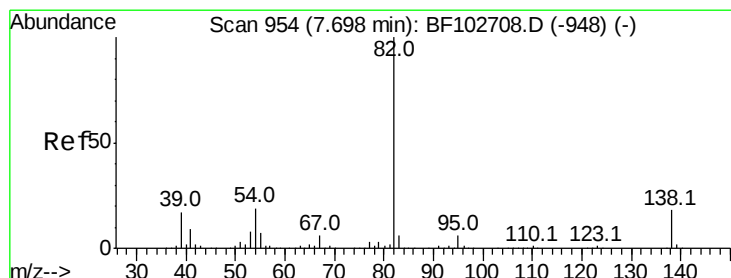
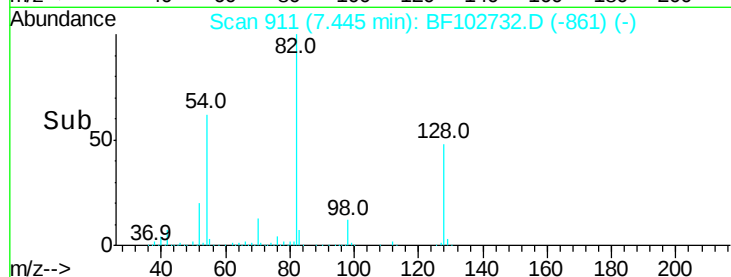
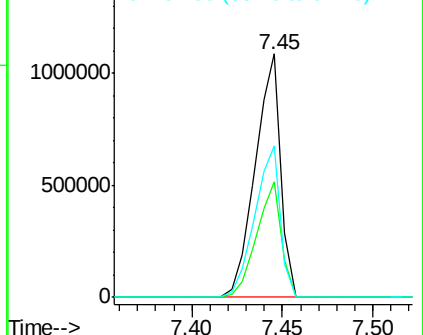
82 100

128 47.6 36.1 54.1

54 62.4 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: 34.946 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

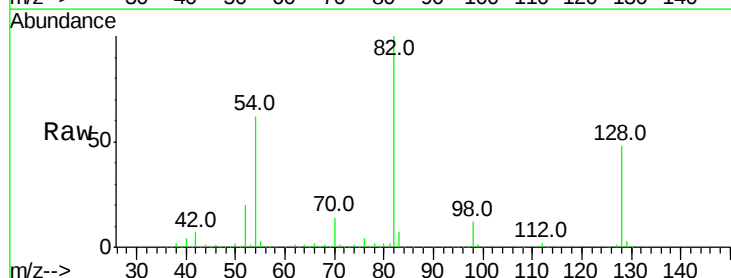
Tgt Ion: 82 Resp: 1052433

Ion Ratio Lower Upper

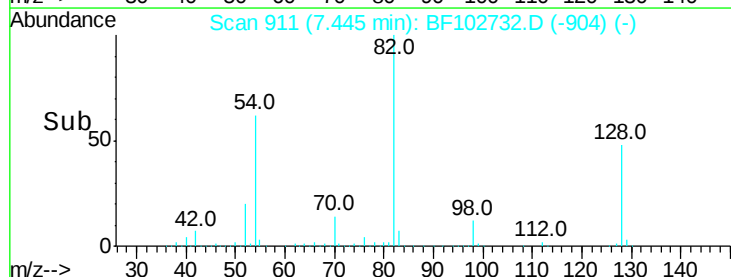
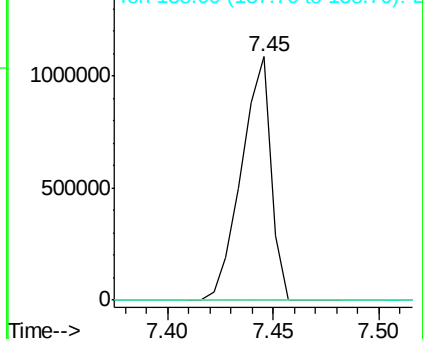
82 100

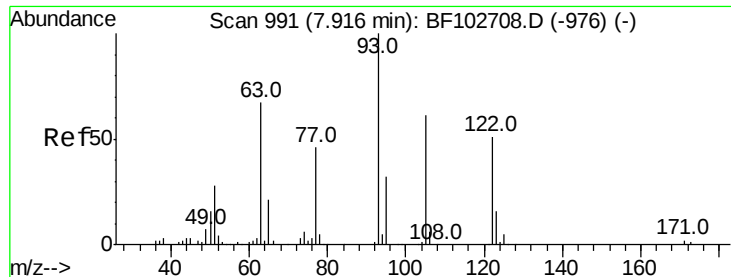
95 0.1 5.2 7.8#

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





#32

Benzoic acid

Concen: 8.722 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.10 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

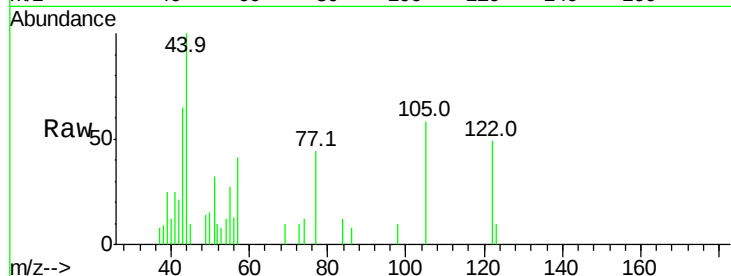
Tot Ion:122 Resp: 1663

Ion Ratio Lower Upper

122 100

105 118.1 101.1 141.1

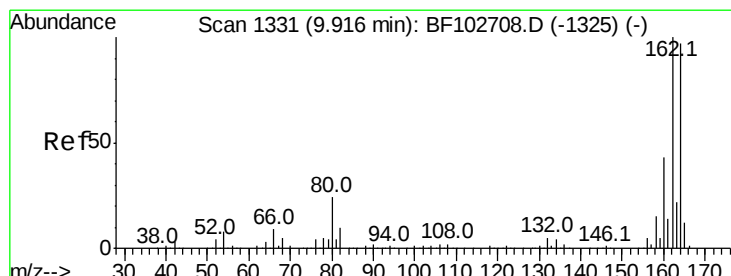
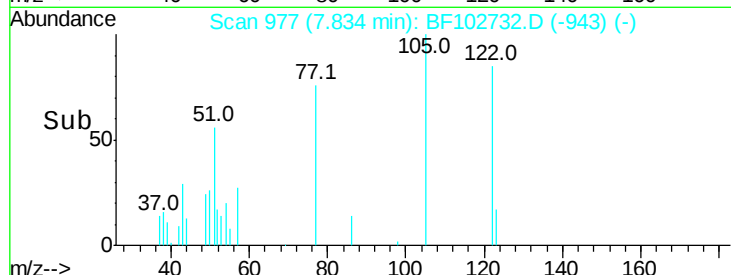
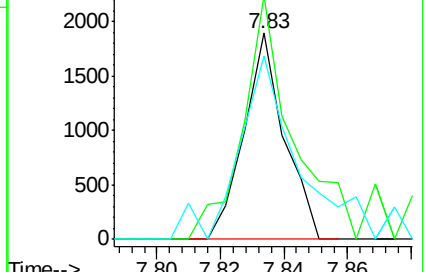
77 89.3 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

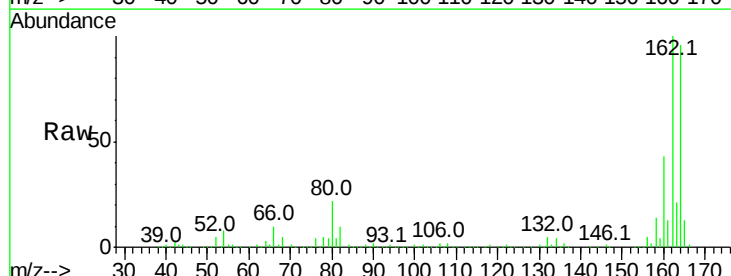
Tgt Ion:164 Resp: 392004

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

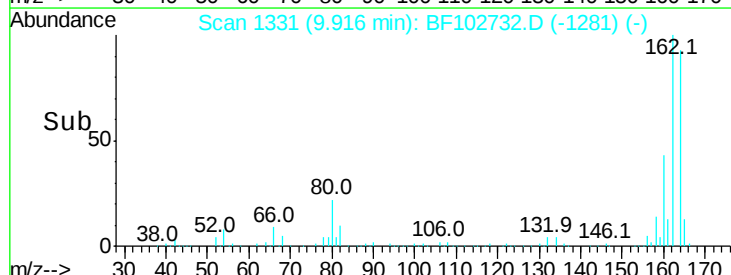
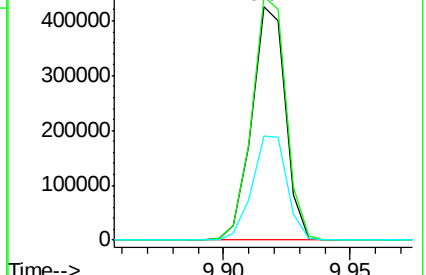
160 44.7 38.3 57.5

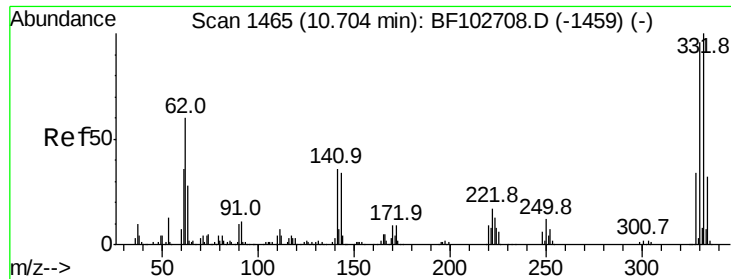


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

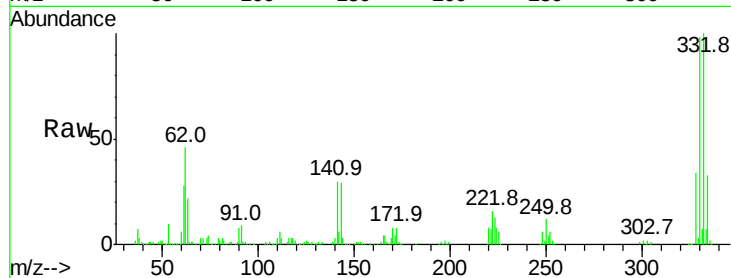




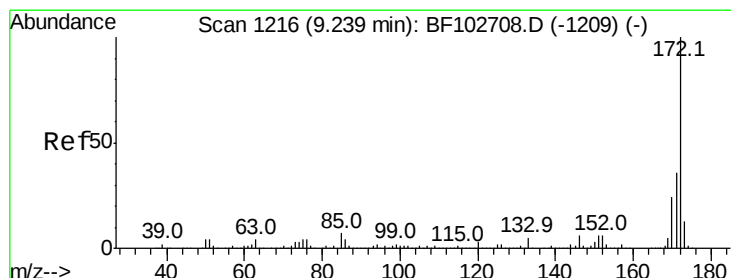
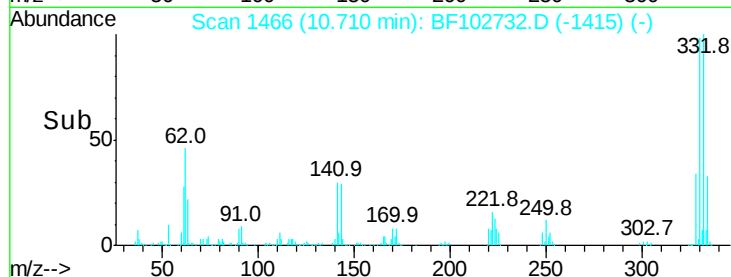
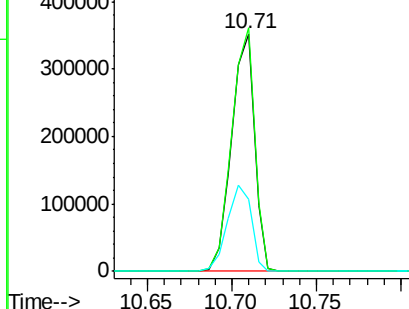
#41
 2,4,6-Tribromophenol
 Concen: 105.855 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102732.D
 Acq: 5 Feb 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 333991
 Ion Ratio Lower Upper
 330 100
 332 102.0 77.0 115.6
 141 38.1 29.9 44.9

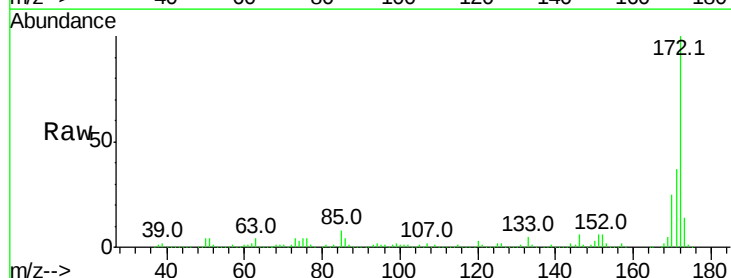


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

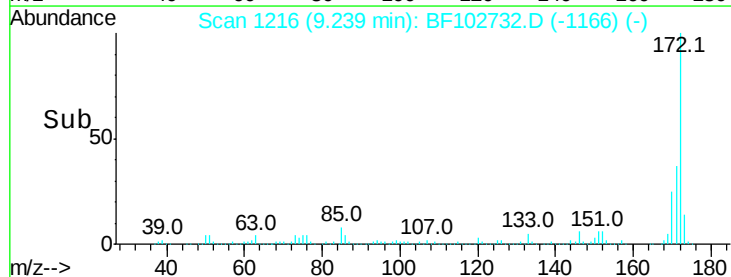
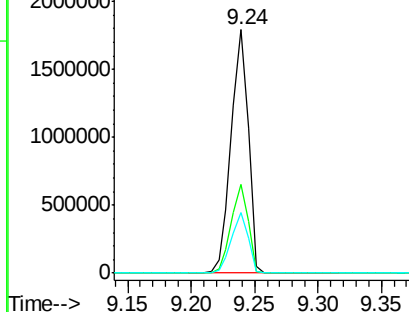


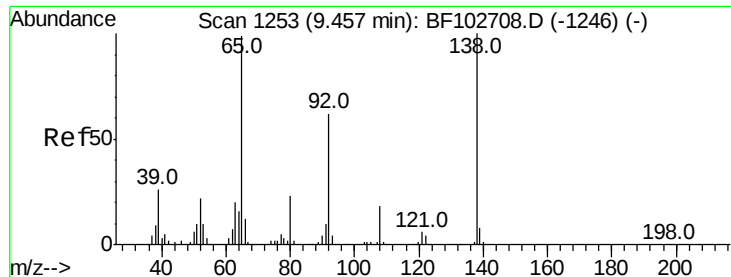
#44
 2-Fluorobiphenyl
 Concen: 70.445 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102732.D
 Acq: 5 Feb 2018 12:25

Tgt Ion:172 Resp: 1664186
 Ion Ratio Lower Upper
 172 100
 171 36.6 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





#47

2-Nitroaniline

Concen: 3.506 ng

RT: 9.37 min Scan# 1238

Delta R.T. -0.09 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

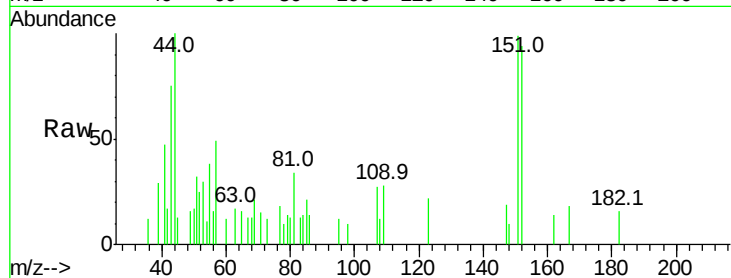
Tot Ion: 65 Resp: 293

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

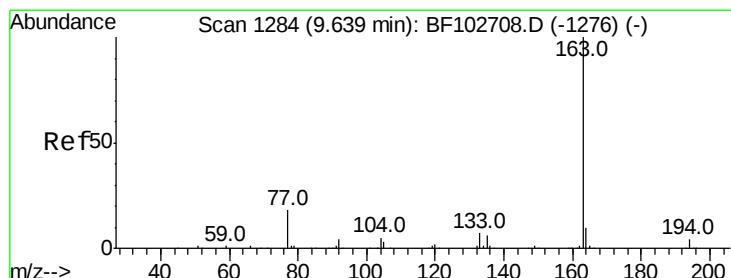
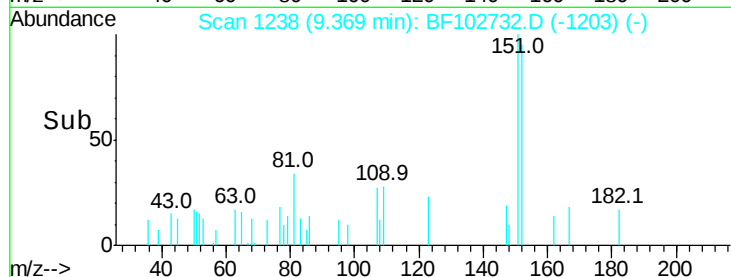
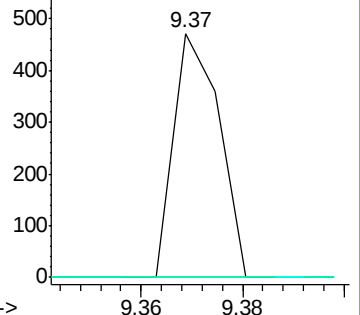
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 6.779 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

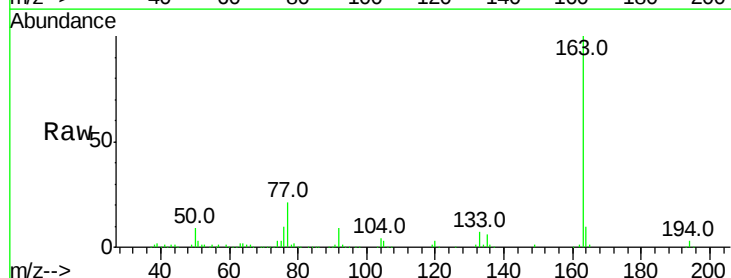
Tgt Ion: 163 Resp: 207199

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

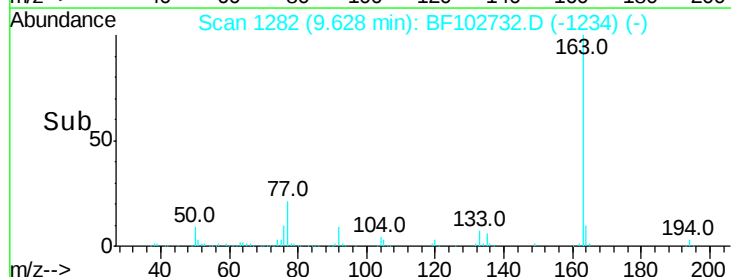
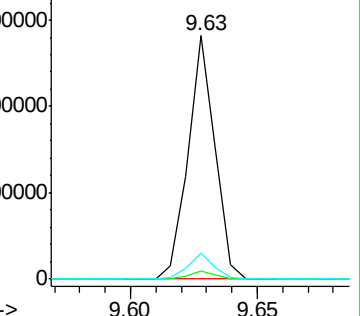
164 10.5 8.2 12.2

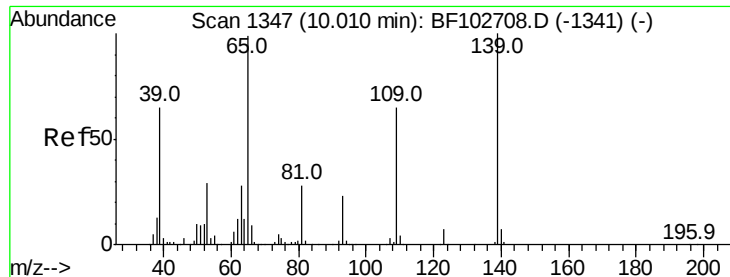


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

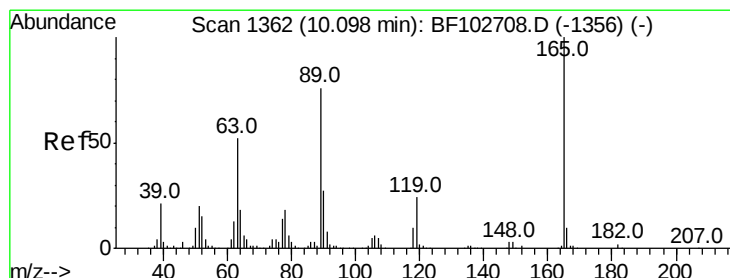
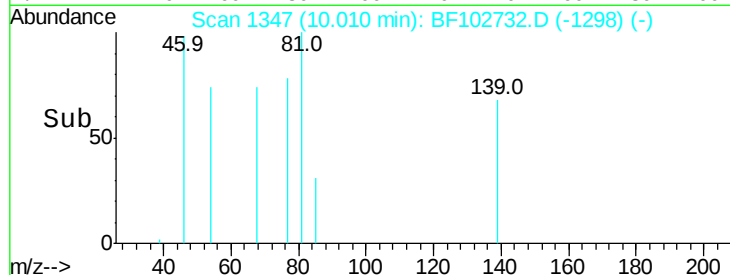
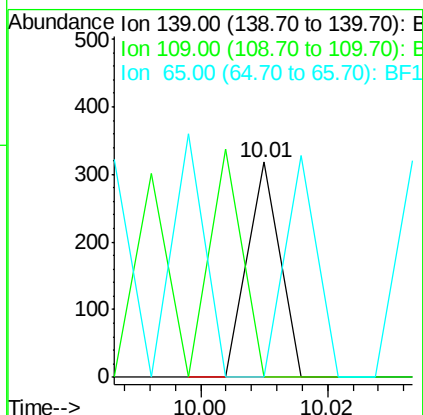
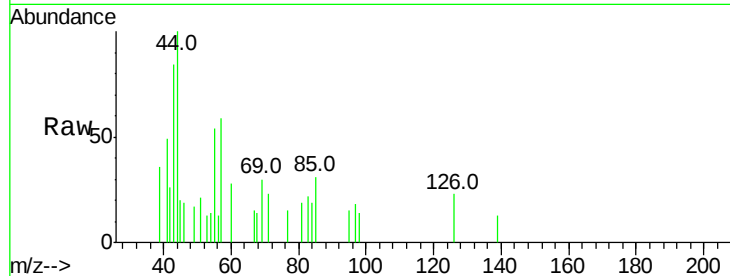




#55
4-Nitrophenol
Concen: 4.042 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF102732.D
Acq: 5 Feb 2018 12:25

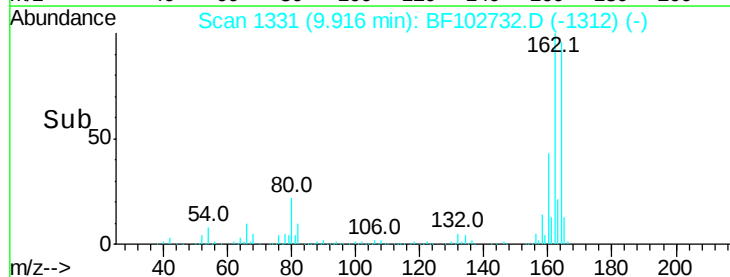
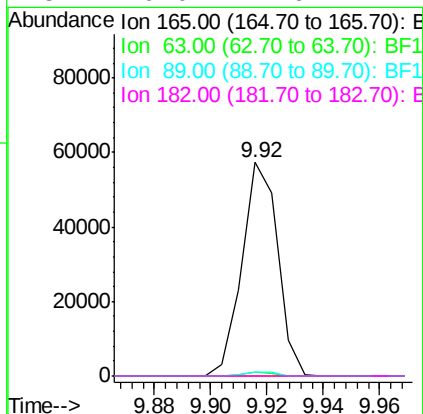
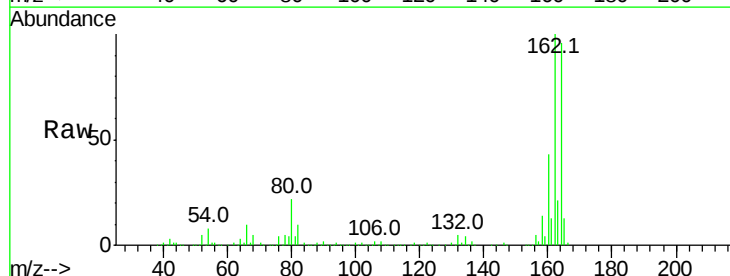
Instrument :
BNA_F
ClientSampled :

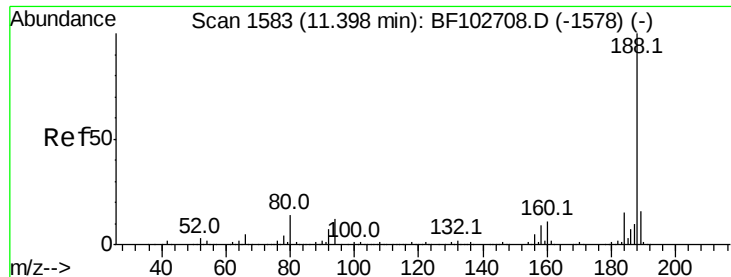
Tot Ion:139 Resp: 112
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.100 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF102732.D
Acq: 5 Feb 2018 12:25

Tgt Ion:165 Resp: 50202
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#

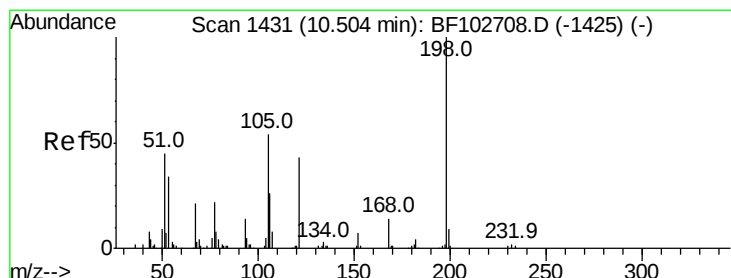
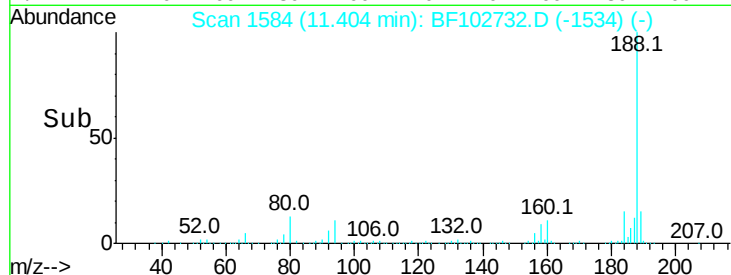
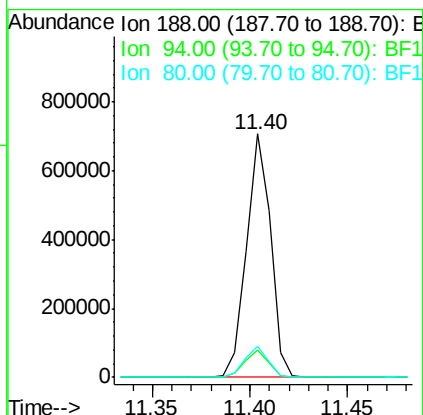
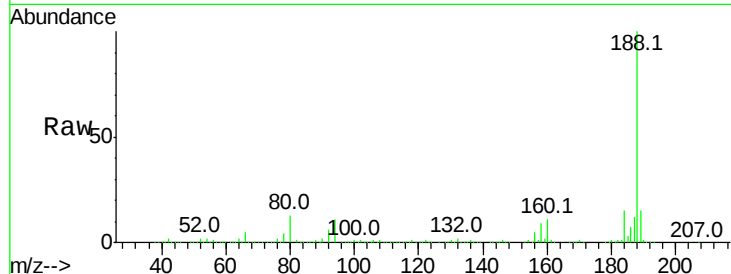




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102732.D
Acq: 5 Feb 2018 12:25

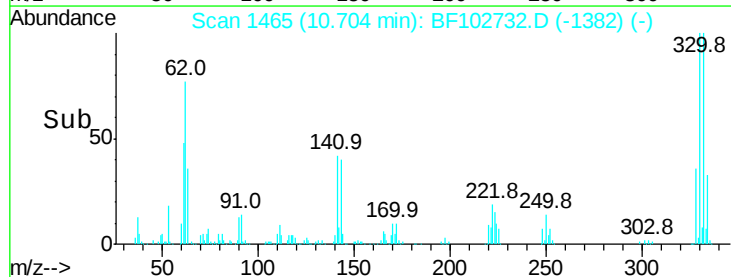
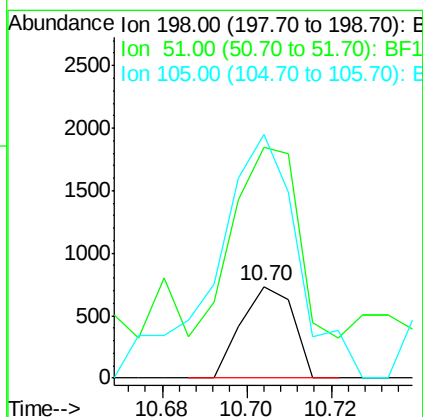
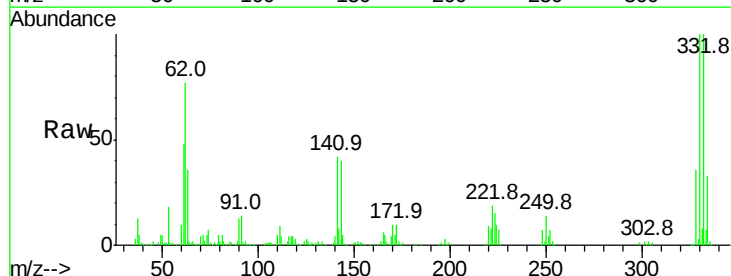
Instrument :
BNA_F
ClientSampleId :

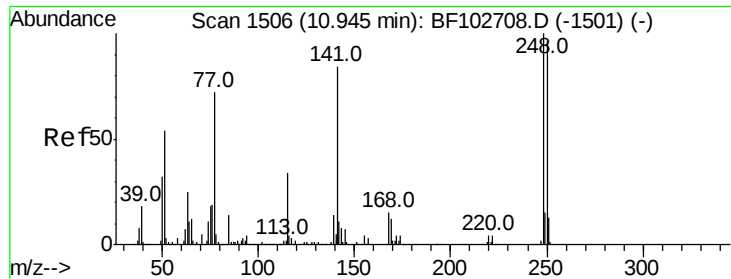
Tot Ion:188 Resp: 605418
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.022 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF102732.D
Acq: 5 Feb 2018 12:25

Tgt Ion:198 Resp: 627
Ion Ratio Lower Upper
198 100
51 251.6 37.7 77.7#
105 265.8 36.3 76.3#

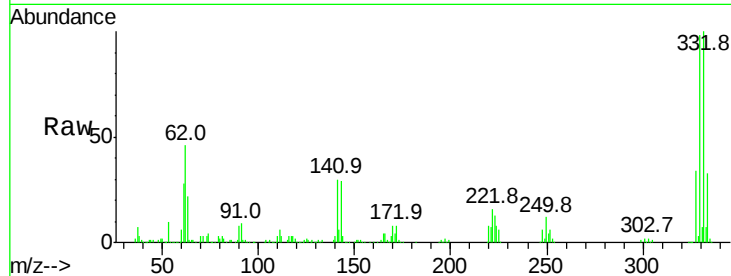




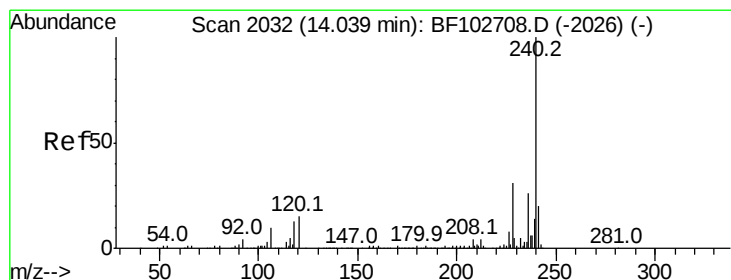
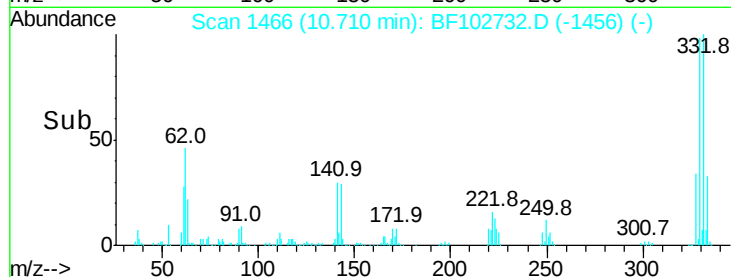
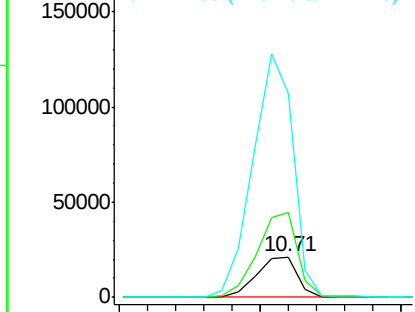
#66
4-Bromophenyl-phenylether
Concen: 3.288 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102732.D
Acq: 5 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 21058
Ion Ratio Lower Upper
248 100
250 210.0 76.9 115.3#
141 506.6 74.4 111.6#

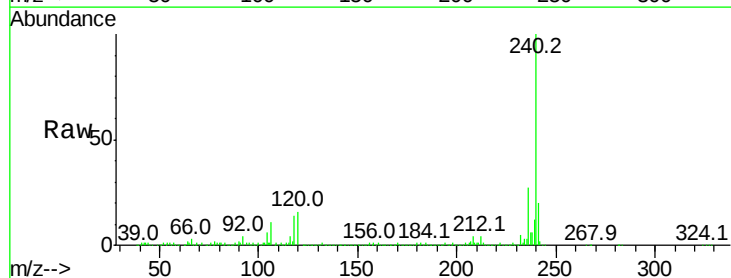


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

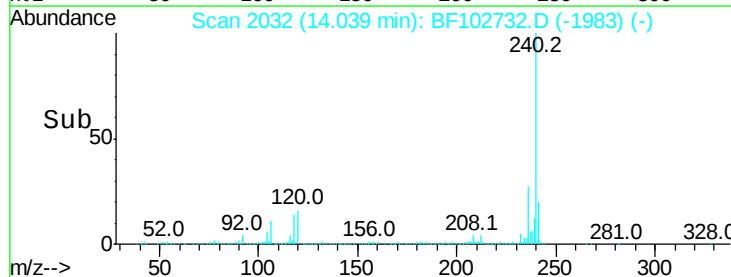
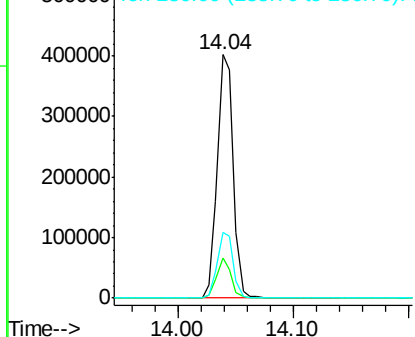


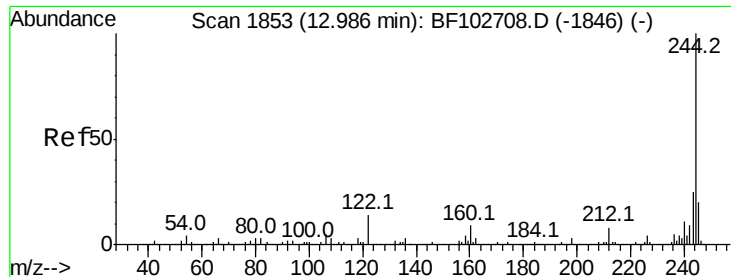
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF102732.D
Acq: 5 Feb 2018 12:25

Tgt Ion:240 Resp: 386008
Ion Ratio Lower Upper
240 100
120 16.5 9.5 14.3#
236 27.0 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: 73.529 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

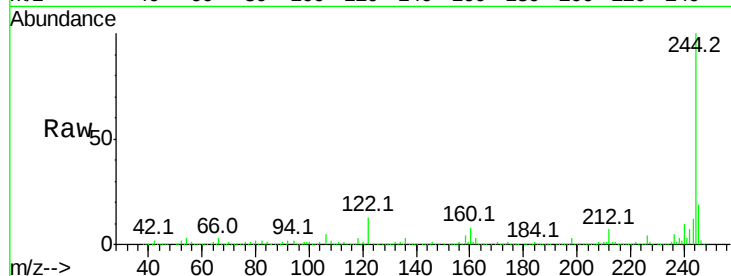
Tot Ion:244 Resp: 1198715

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

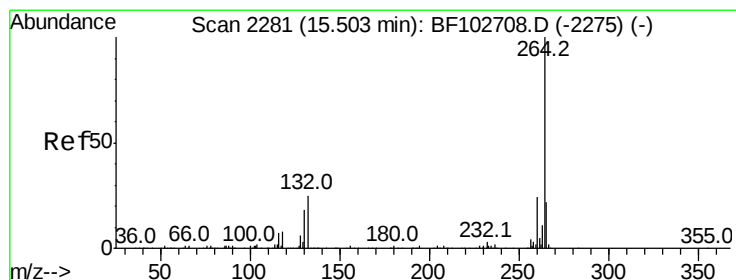
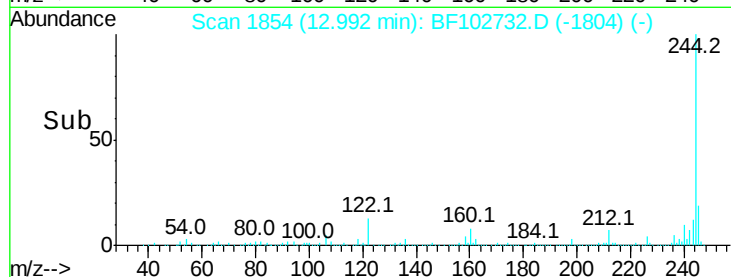
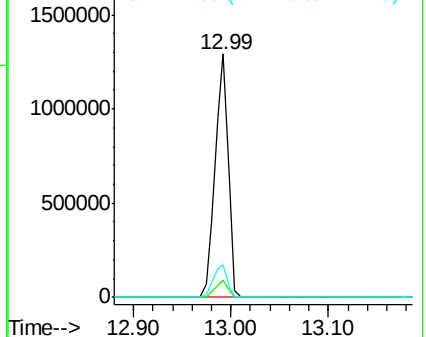
122 13.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102732.D

Acq: 5 Feb 2018 12:25

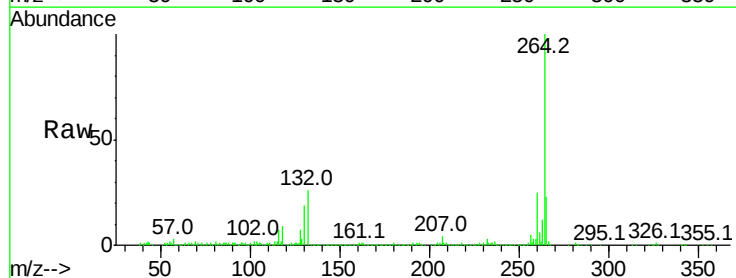
Tgt Ion:264 Resp: 367621

Ion Ratio Lower Upper

264 100

260 25.5 19.2 28.8

265 23.0 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

