

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102731.D
 Acq On : 5 Feb 2018 11:58
 Operator : SJ/JU
 Sample : J1436-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 12:48:06 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	223942	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	906442	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	405942	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	648719	20.00	ng	0.00
75) Chrysene-d12	14.04	240	370540	20.00	ng	0.00
86) Perylene-d12	15.52	264	372596	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1514398	102.70	ng	0.00
7) Phenol-d6	6.51	99	1804758	101.65	ng	0.00
23) Nitrobenzene-d5	7.45	82	1133340	86.74	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	372864	114.12	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1788464	73.11	ng	0.00
78) Terphenyl-d14	12.99	244	1339102	85.57	ng	0.00

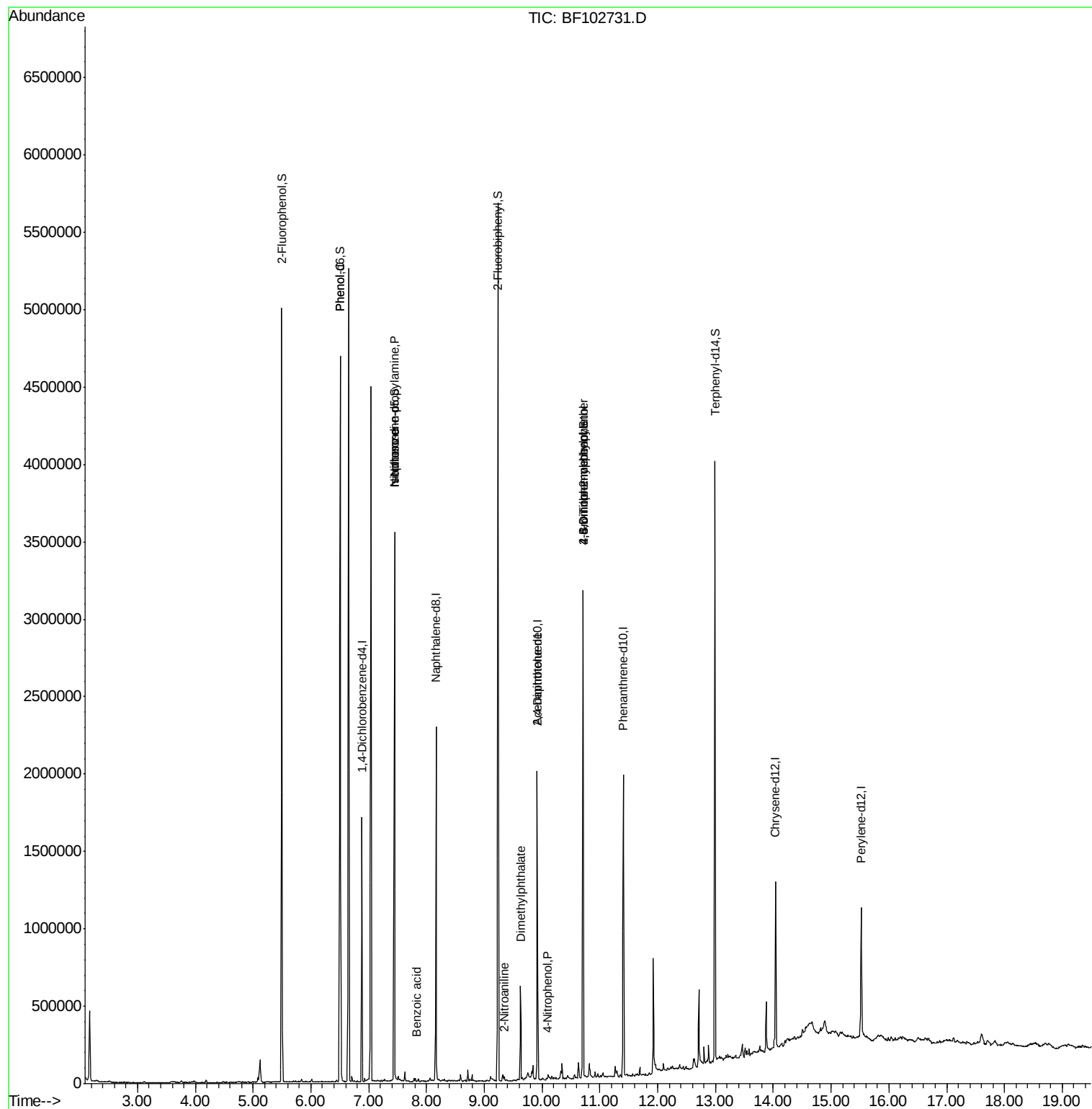
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	90958	4.780	ng	82
19) n-Nitroso-di-n-propylamine	7.45	70	153113	13.079	ng	# 83
25) Isophorone	7.45	82	1133319	37.667	ng	# 64
32) Benzoic acid	7.83	122	280	8.573	ng	# 72
47) 2-Nitroaniline	9.35	65	413	3.518	ng	# 2
49) Dimethylphthalate	9.63	163	199869	6.315	ng	100
55) 4-Nitrophenol	10.09	139	108	4.041	ng	# 28
56) 2,4-Dinitrotoluene	9.92	165	51879	9.088	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	902	9.101	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	24684	3.597	ng	# 1

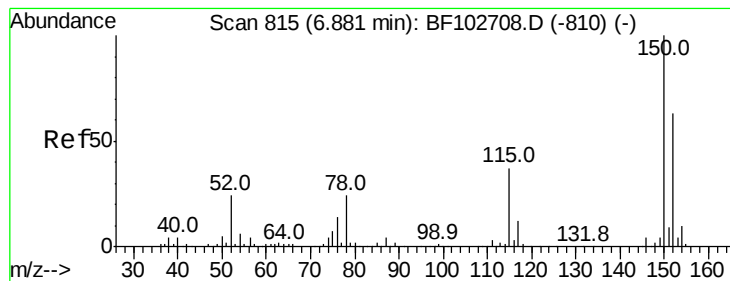
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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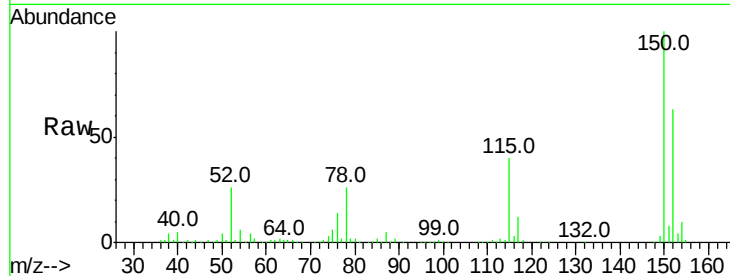


#1

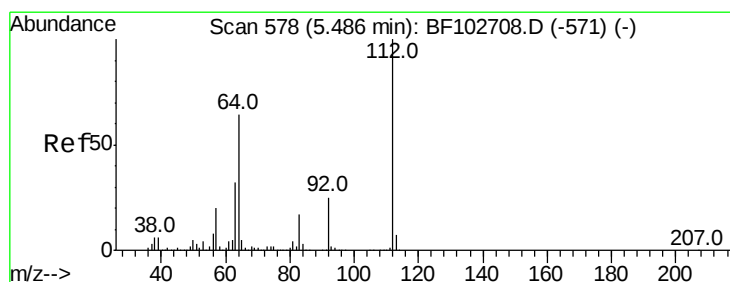
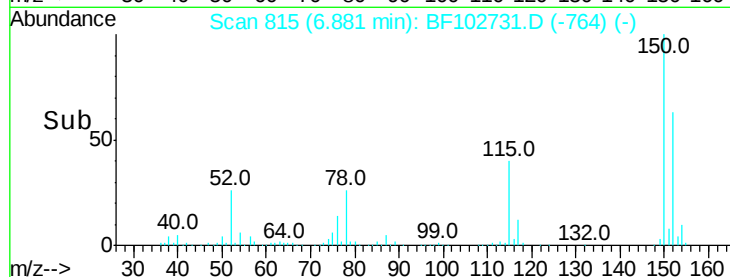
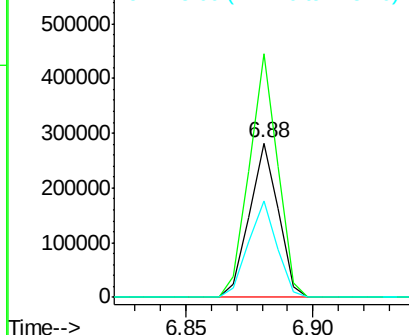
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102731.D
Acq: 5 Feb 2018 11:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 223942
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 62.7 50.1 75.1



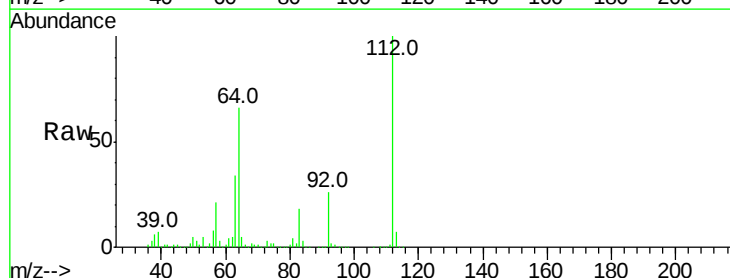
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



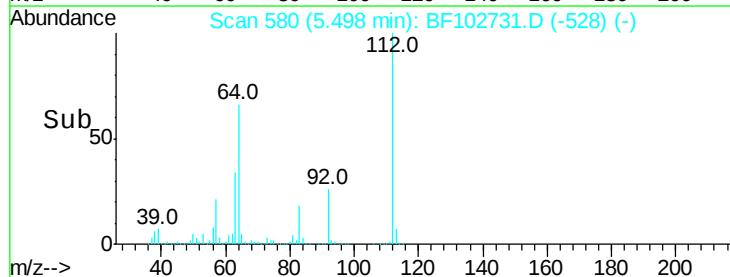
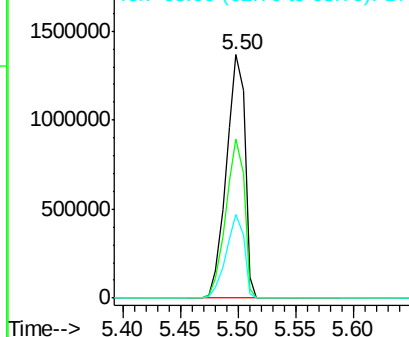
#5

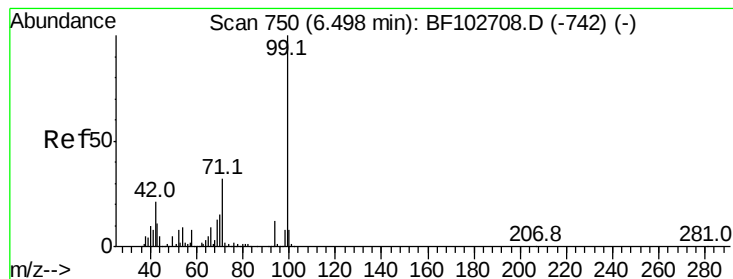
2-Fluorophenol
Concen: 102.699 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102731.D
Acq: 5 Feb 2018 11:58

Tgt Ion:112 Resp: 1514398
Ion Ratio Lower Upper
112 100
64 65.6 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: 101.647 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102731.D

Acq: 5 Feb 2018 11:58

Instrument :

BNA_F

ClientSampleId :

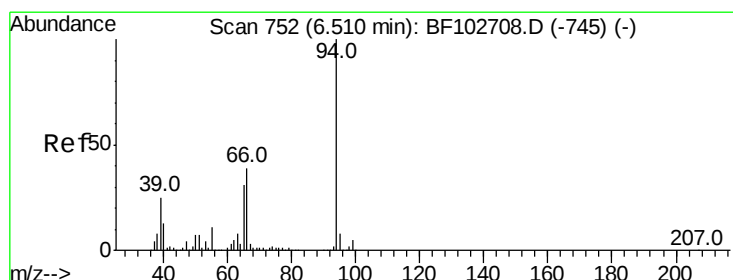
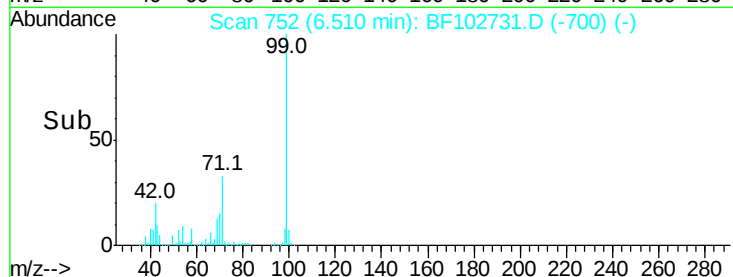
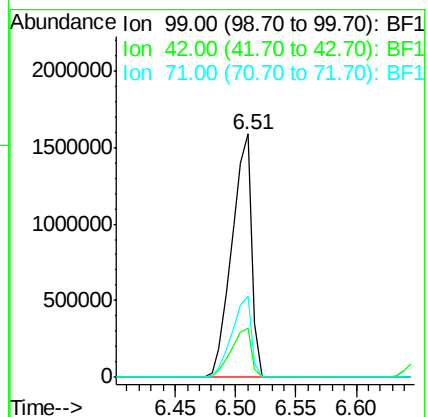
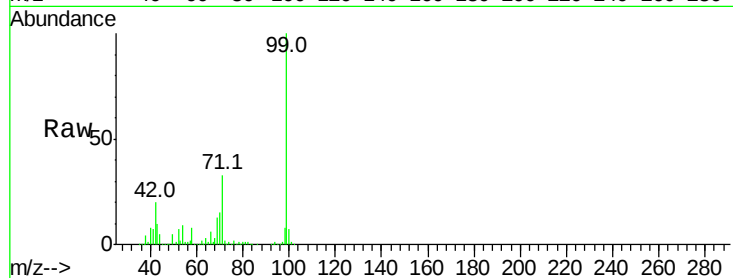
Tot Ion: 99 Resp: 1804758

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 33.0 25.4 38.0



#10

Phenol

Concen: 4.780 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102731.D

Acq: 5 Feb 2018 11:58

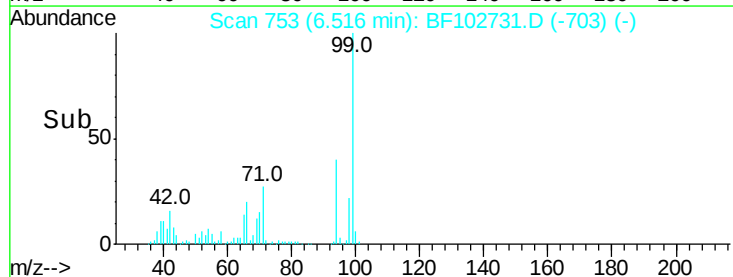
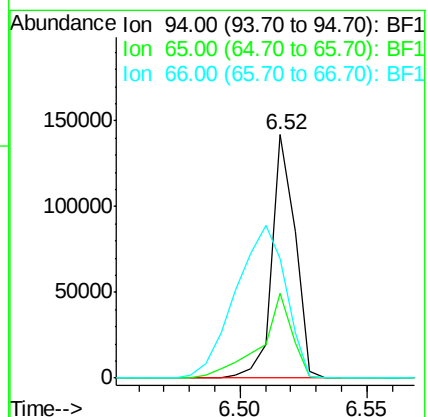
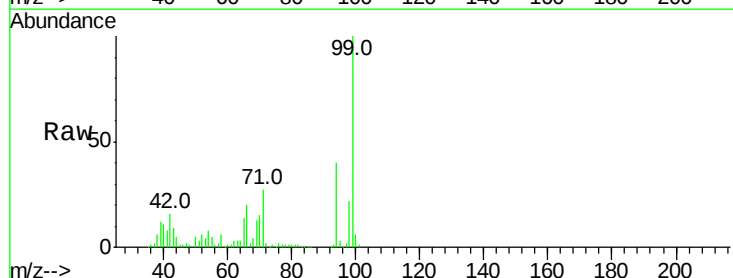
Tgt Ion: 94 Resp: 90958

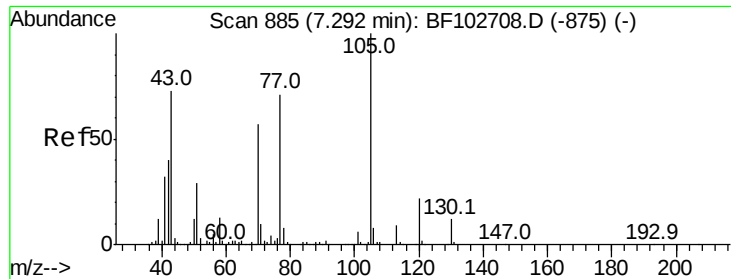
Ion Ratio Lower Upper

94 100

65 34.7 7.9 47.9

66 49.1 16.2 56.2

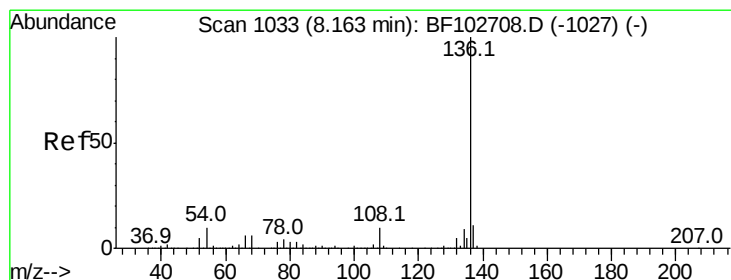
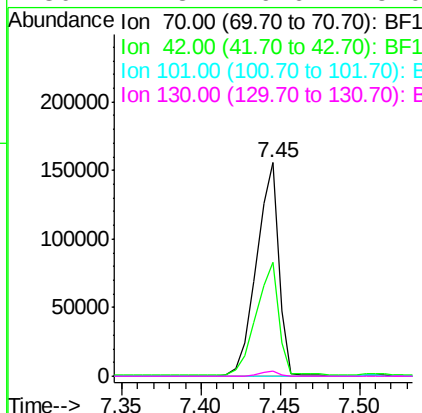
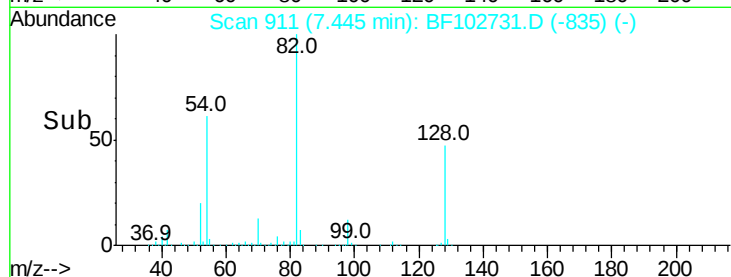
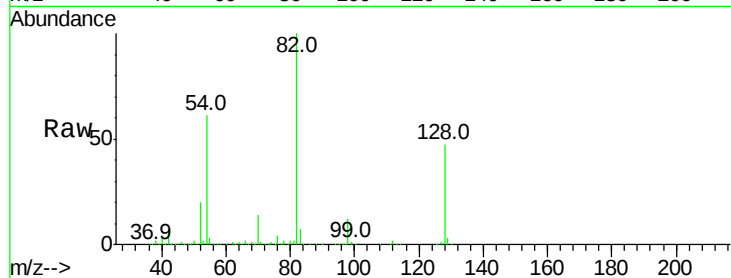




#19
n-Nitroso-di-n-propylamine
Concen: 13.079 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102731.D
Acq: 5 Feb 2018 11:58

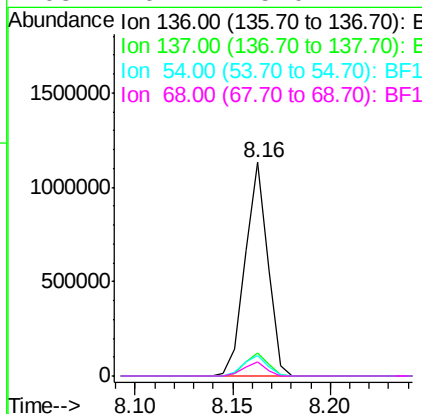
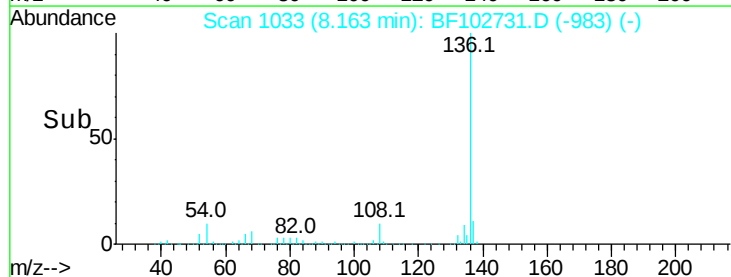
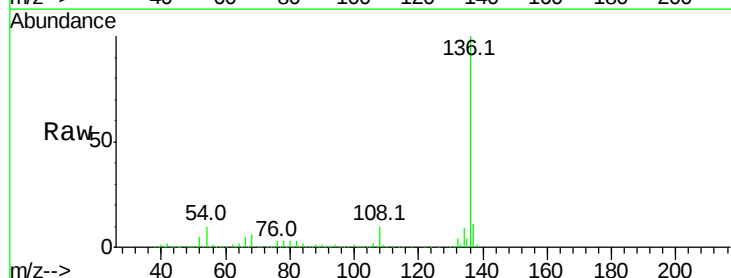
Instrument :
BNA_F
ClientSampleId :

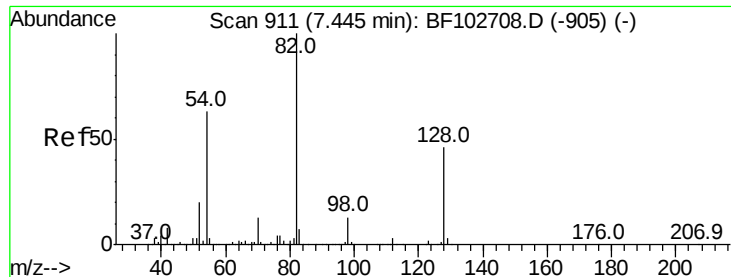
Tot Ion: 70 Resp: 153113
Ion Ratio Lower Upper
70 100
42 53.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102731.D
Acq: 5 Feb 2018 11:58

Tgt Ion:136 Resp: 906442
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.8 6.6 9.8
68 6.4 5.0 7.4

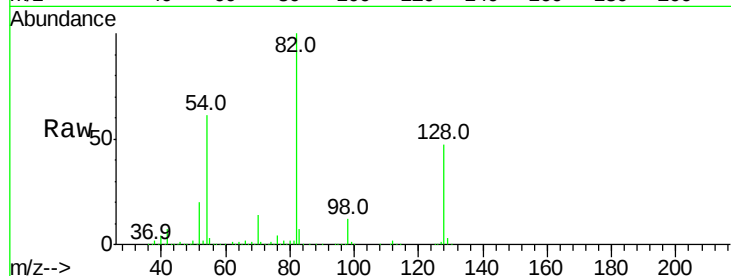




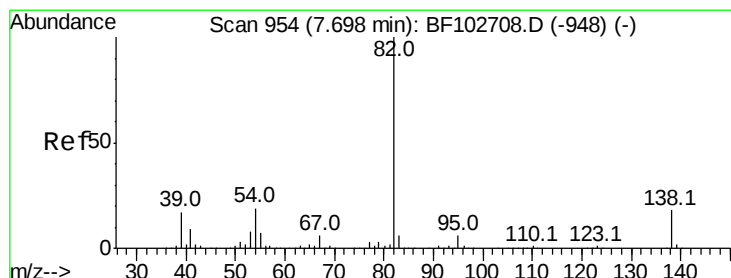
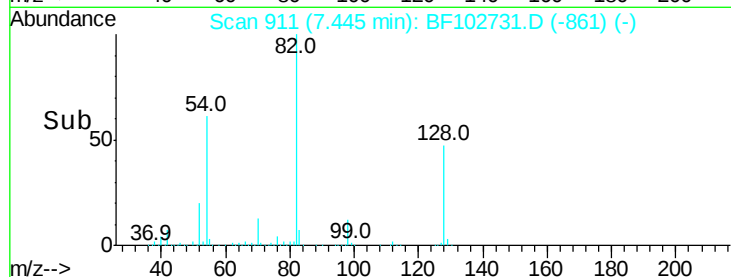
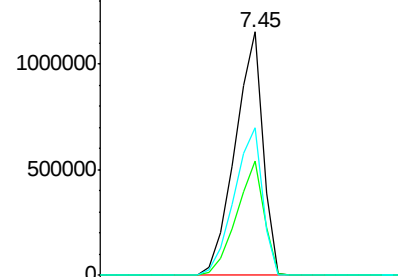
#23
Nitrobenzene-d5
Concen: 86.735 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102731.D
Acq: 5 Feb 2018 11:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1133340
Ion Ratio Lower Upper
82 100
128 46.8 36.1 54.1
54 60.8 41.4 62.2

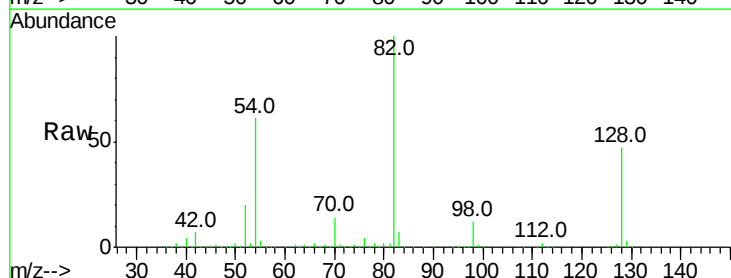


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

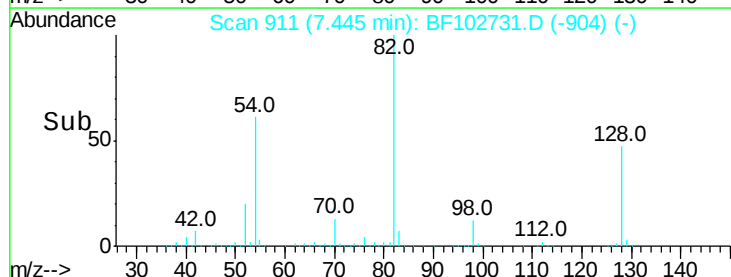
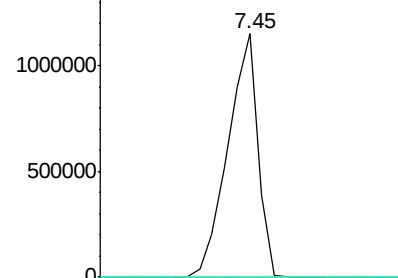


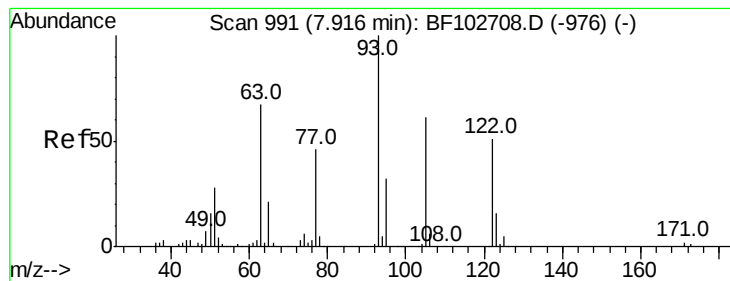
#25
Isophorone
Concen: 37.667 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102731.D
Acq: 5 Feb 2018 11:58

Tgt Ion: 82 Resp: 1133319
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: 8.573 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.10 min

Lab File: BF102731.D

Acq: 5 Feb 2018 11:58

Instrument :

BNA_F

ClientSampleId :

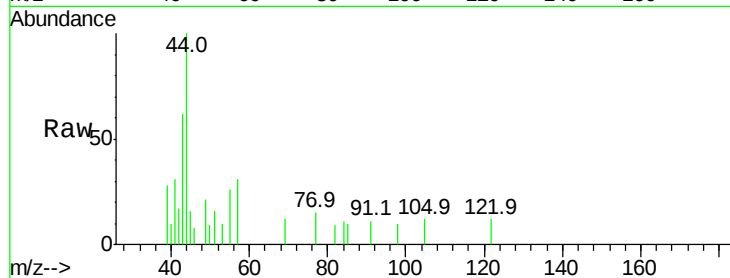
Tot Ion:122 Resp: 280

Ion Ratio Lower Upper

122 100

105 94.0 101.1 141.1#

77 121.0 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

800

600

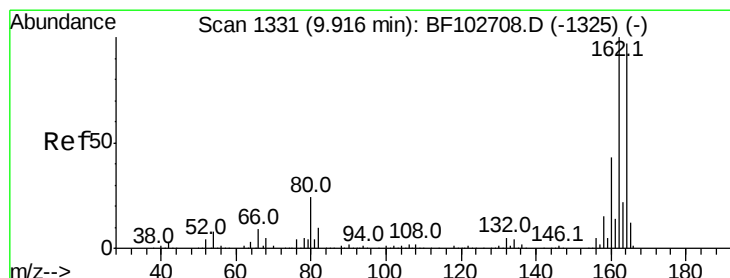
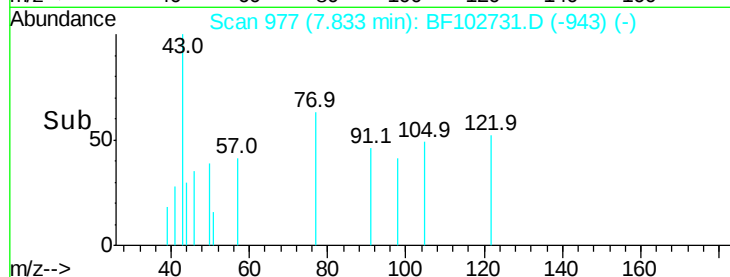
400

200

0

7.82 7.84 7.86

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102731.D

Acq: 5 Feb 2018 11:58

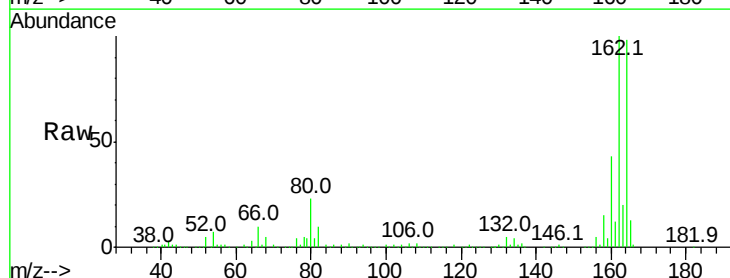
Tgt Ion:164 Resp: 405942

Ion Ratio Lower Upper

164 100

162 102.1 86.1 129.1

160 44.2 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

600000

500000

400000

300000

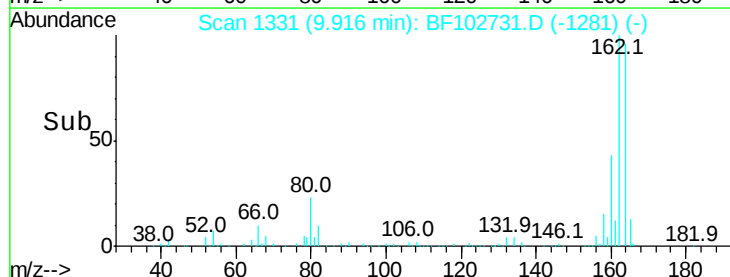
200000

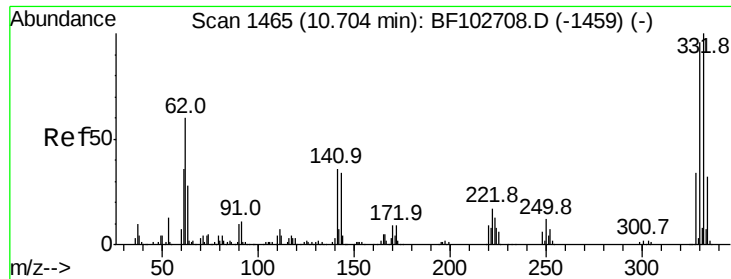
100000

0

9.90 9.95

Time-->

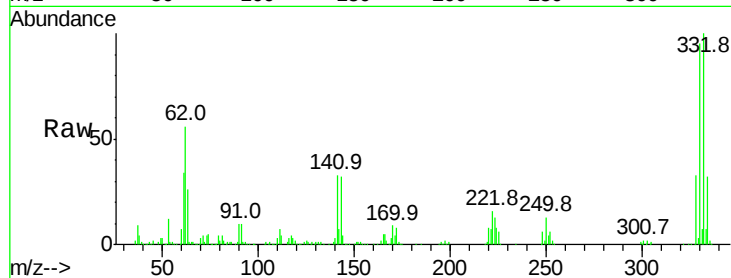




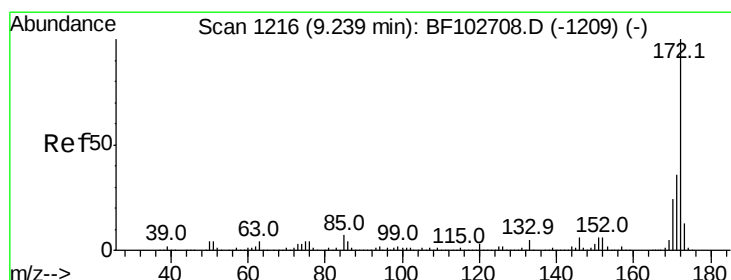
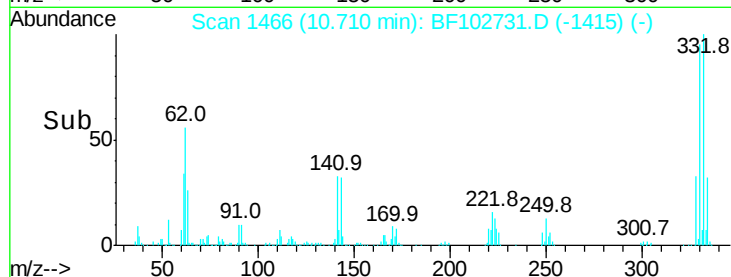
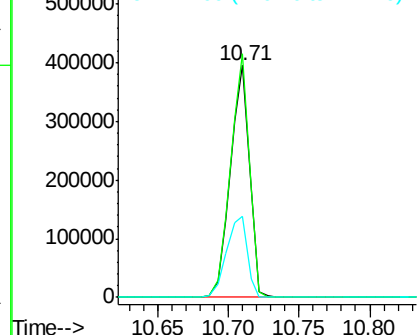
#41
 2,4,6-Tribromophenol
 Concen: 114.118 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF102731.D
 Acq: 5 Feb 2018 11:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 372864
 Ion Ratio Lower Upper
 330 100
 332 102.7 77.0 115.6
 141 37.9 29.9 44.9

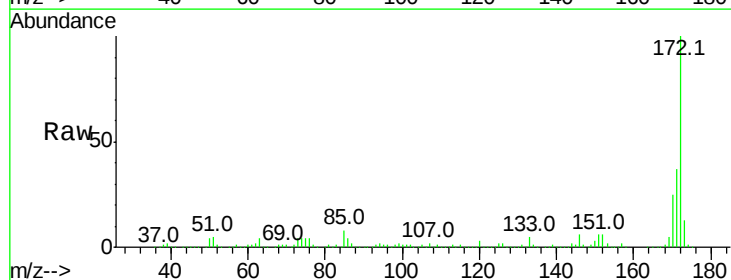


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

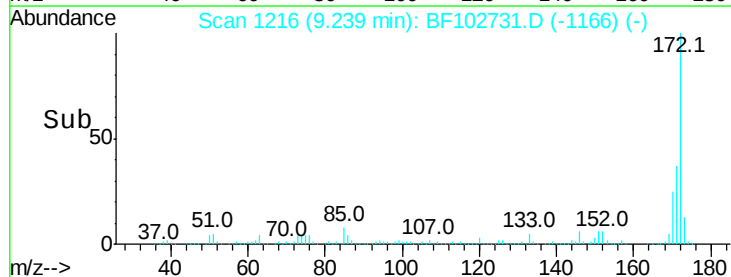
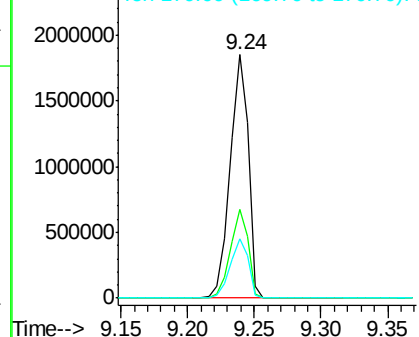


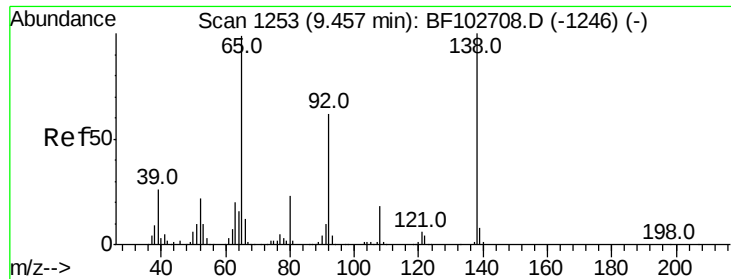
#44
 2-Fluorobiphenyl
 Concen: 73.106 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102731.D
 Acq: 5 Feb 2018 11:58

Tgt Ion:172 Resp: 1788464
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.6 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: 3.518 ng

RT: 9.35 min Scan# 1234

Delta R.T. -0.12 min

Lab File: BF102731.D

Acq: 5 Feb 2018 11:58

Instrument :

BNA_F

ClientSampled :

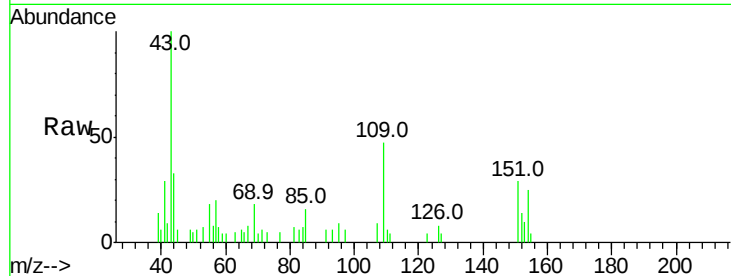
Tot Ion: 65 Resp: 413

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#

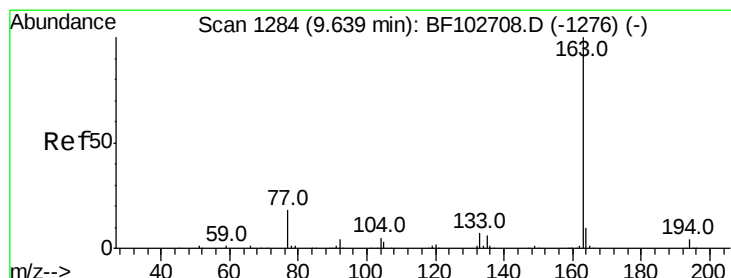
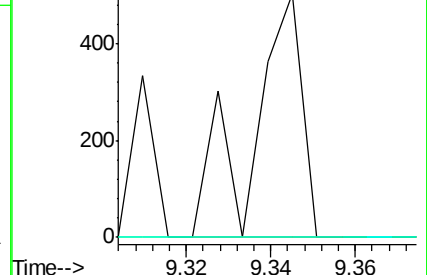
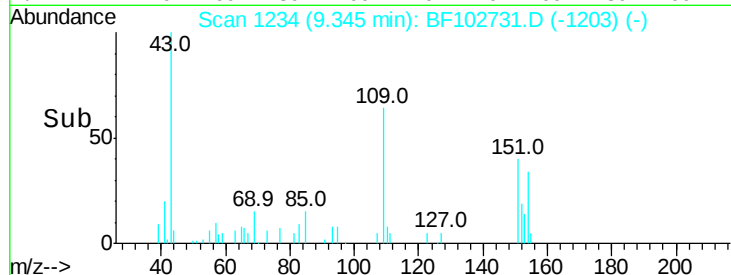


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#49

Dimethylphthalate

Concen: 6.315 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102731.D

Acq: 5 Feb 2018 11:58

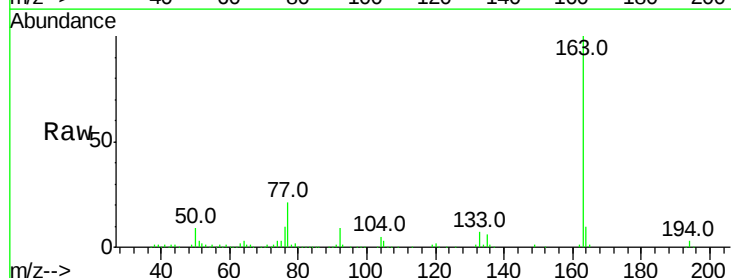
Tgt Ion:163 Resp: 199869

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

164 10.1 8.2 12.2

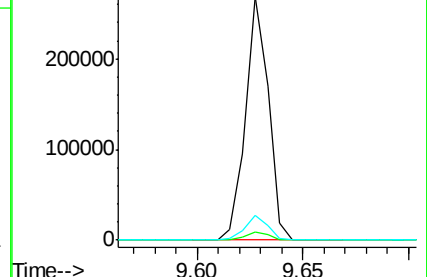
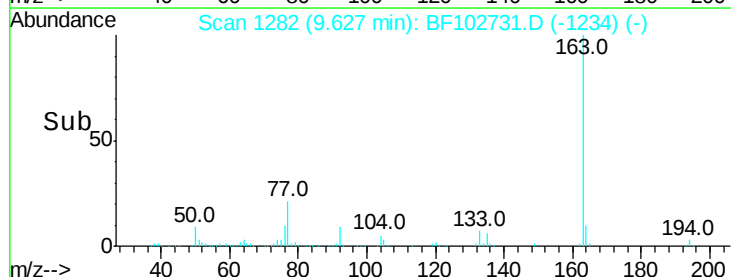


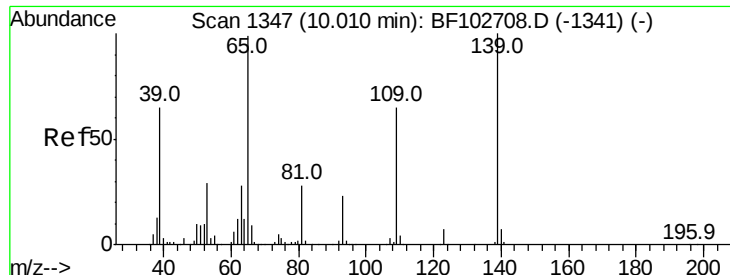
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->

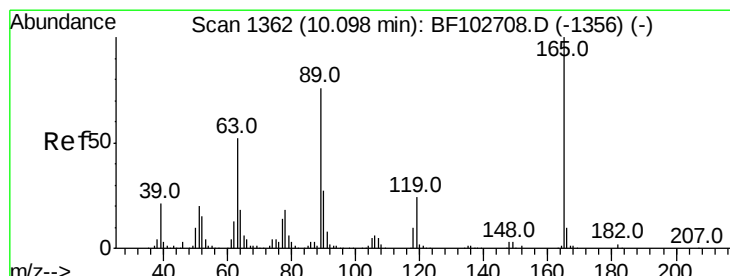
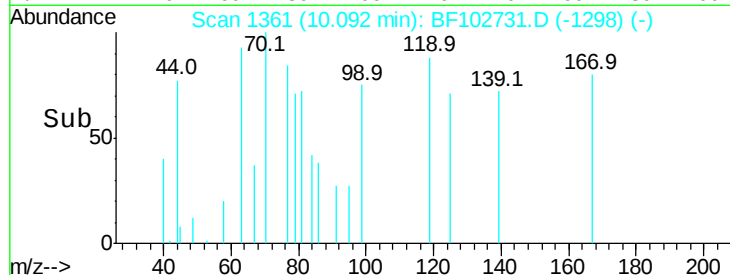
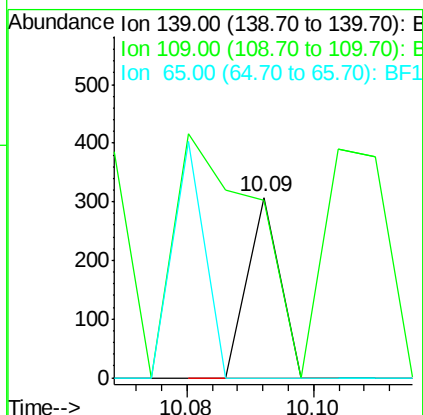
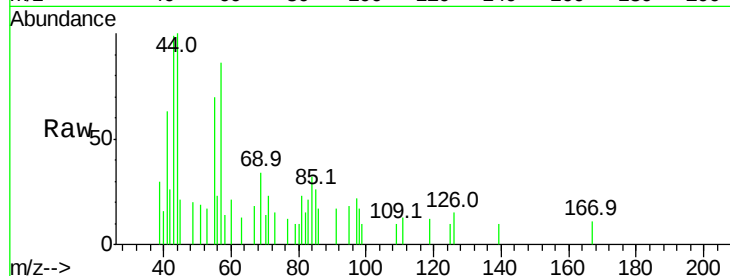




#55
4-Nitrophenol
Concen: 4.041 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.07 min
Lab File: BF102731.D
Acq: 5 Feb 2018 11:58

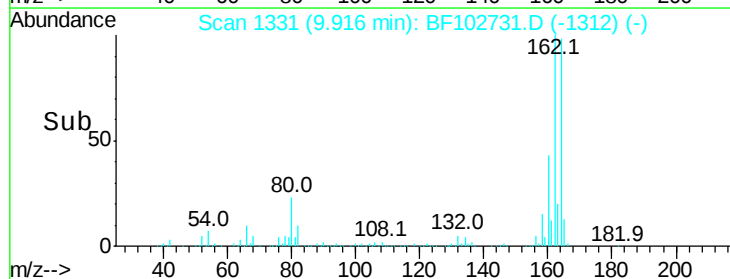
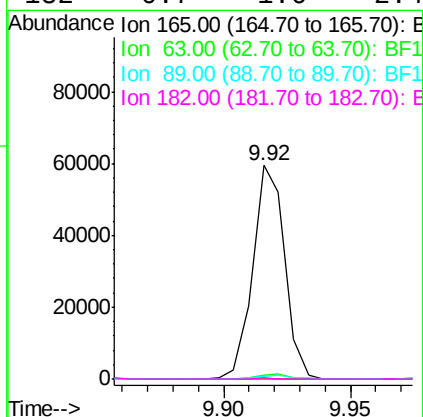
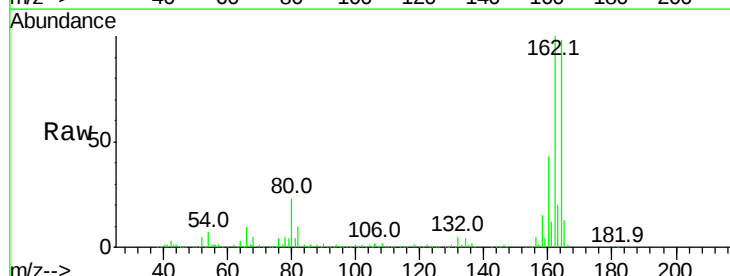
Instrument :
BNA_F
ClientSampleId :

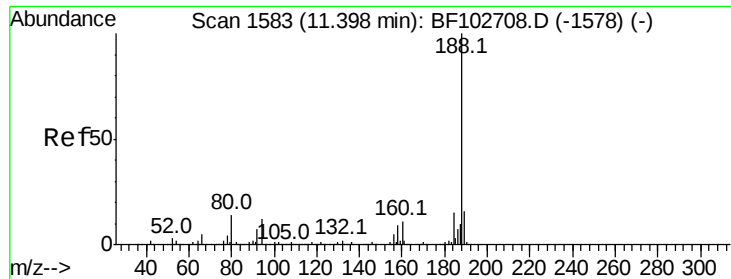
Tot Ion:139 Resp: 108
Ion Ratio Lower Upper
139 100
109 98.7 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.088 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF102731.D
Acq: 5 Feb 2018 11:58

Tgt Ion:165 Resp: 51879
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 1.1 57.8 86.6#
182 0.7 1.6 2.4#

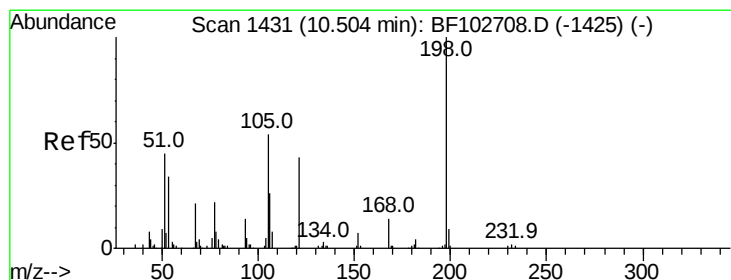
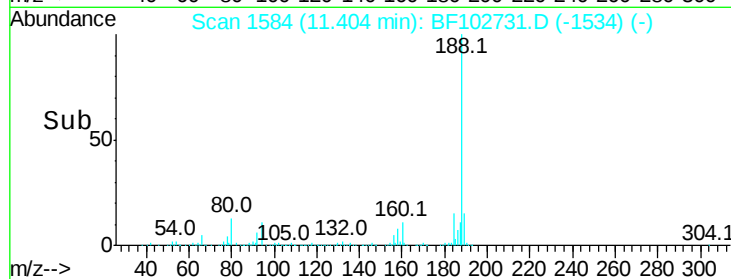
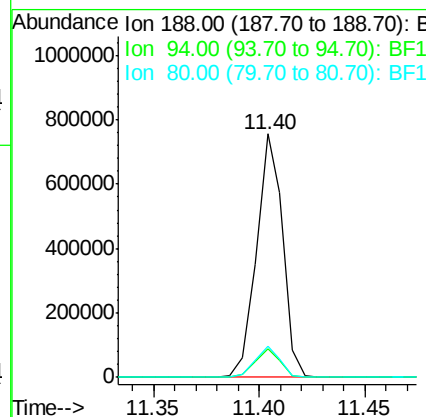
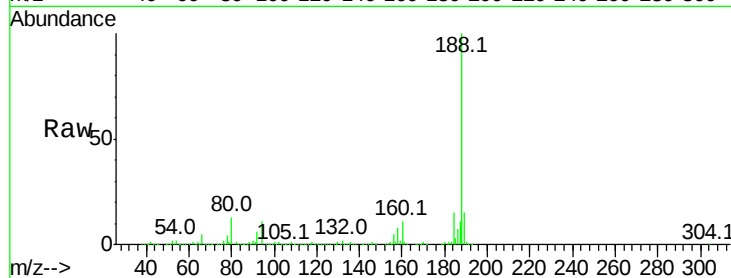




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102731.D
 Acq: 5 Feb 2018 11:58

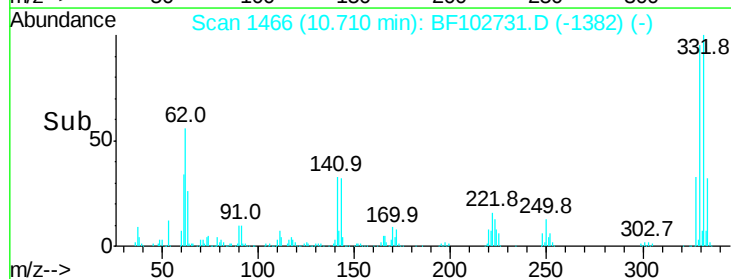
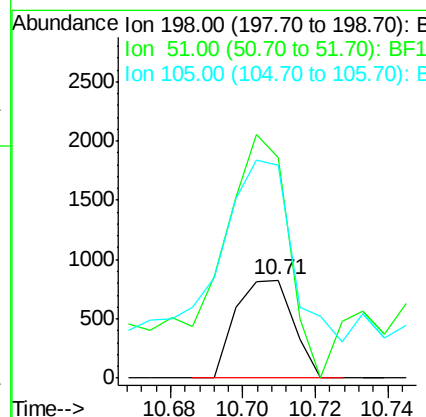
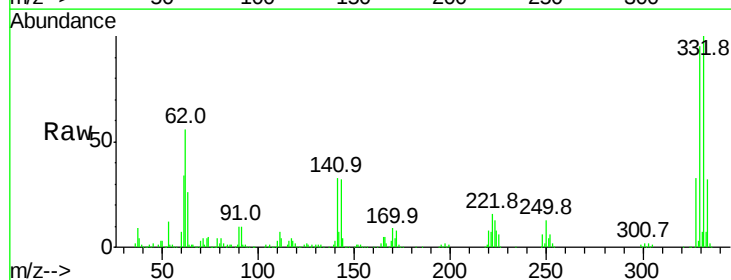
Instrument :
 BNA_F
 ClientSampleId :

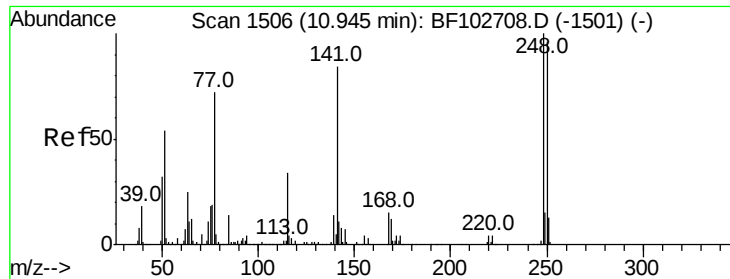
Tot Ion:188 Resp: 648719
 Ion Ratio Lower Upper
 188 100
 94 11.5 8.5 12.7
 80 12.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.101 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102731.D
 Acq: 5 Feb 2018 11:58

Tgt Ion:198 Resp: 902
 Ion Ratio Lower Upper
 198 100
 51 226.3 37.7 77.7#
 105 218.1 36.3 76.3#

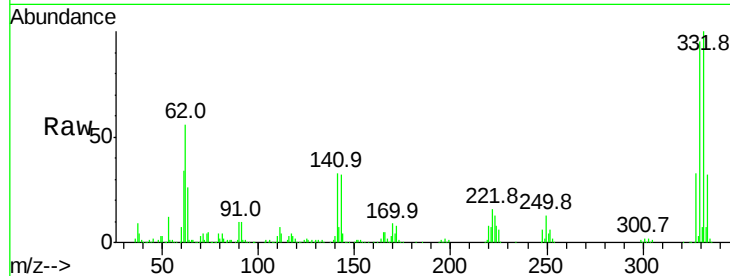




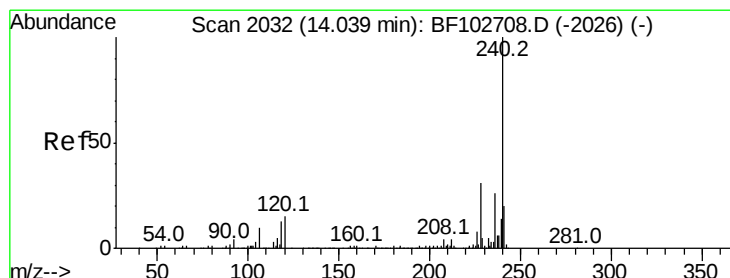
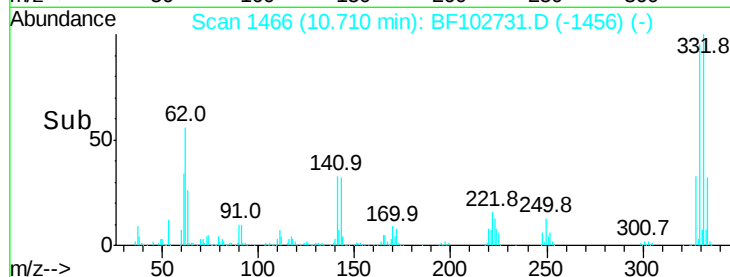
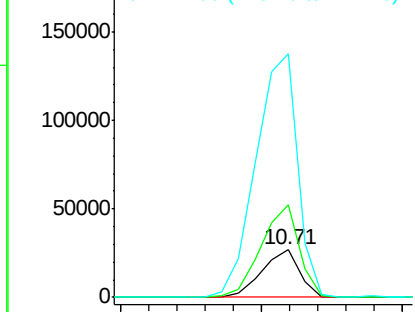
#66
4-Bromophenyl-phenylether
Concen: 3.597 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102731.D
Acq: 5 Feb 2018 11:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 24684
Ion Ratio Lower Upper
248 100
250 194.1 76.9 115.3#
141 513.8 74.4 111.6#

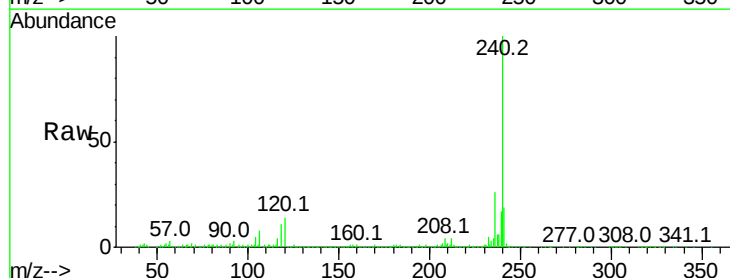


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

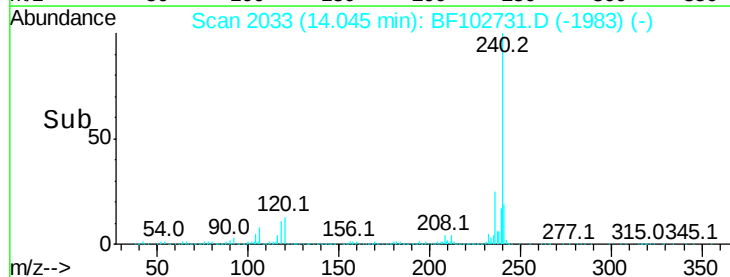
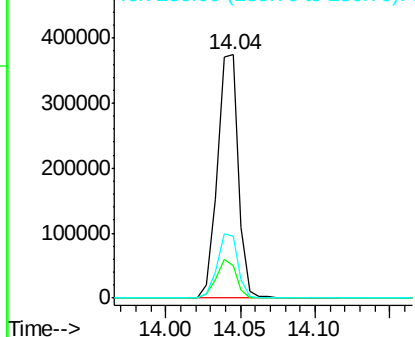


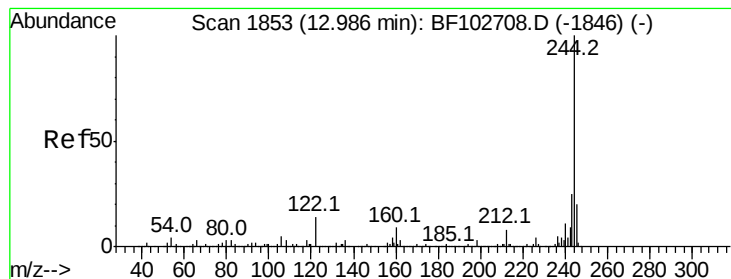
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF102731.D
Acq: 5 Feb 2018 11:58

Tgt Ion:240 Resp: 370540
Ion Ratio Lower Upper
240 100
120 13.5 9.5 14.3
236 25.6 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: 85.569 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102731.D

Acq: 5 Feb 2018 11:58

Instrument :

BNA_F

ClientSampleId :

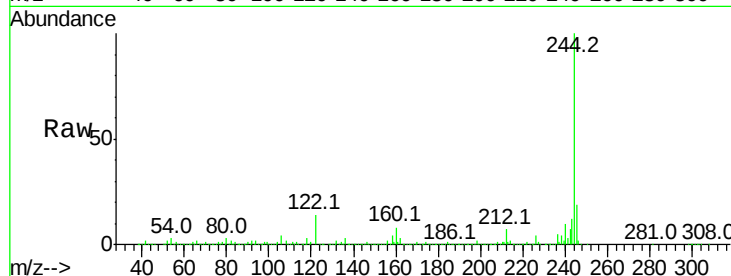
Tot Ion:244 Resp: 1339102

Ion Ratio Lower Upper

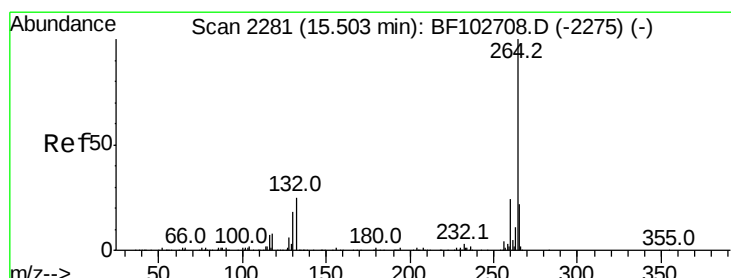
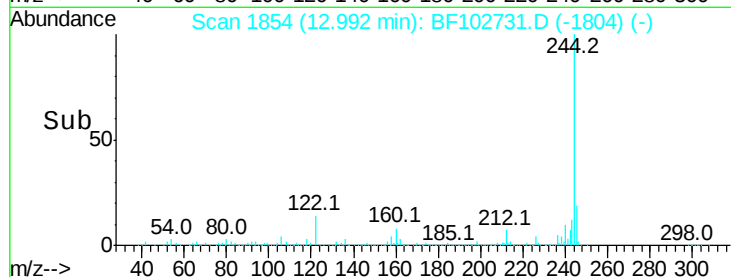
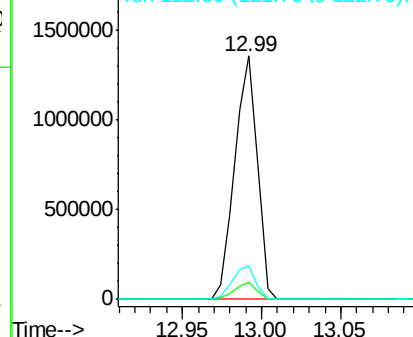
244 100

212 7.0 5.4 8.0

122 13.9 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: BF102731.D

Acq: 5 Feb 2018 11:58

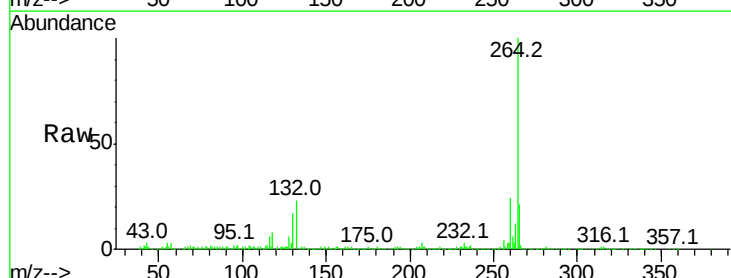
Tgt Ion:264 Resp: 372596

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.1 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

