

Data Path : U:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102648.D
 Acq On : 30 Jan 2018 19:15
 Operator : SJ/JU
 Sample : J1359-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

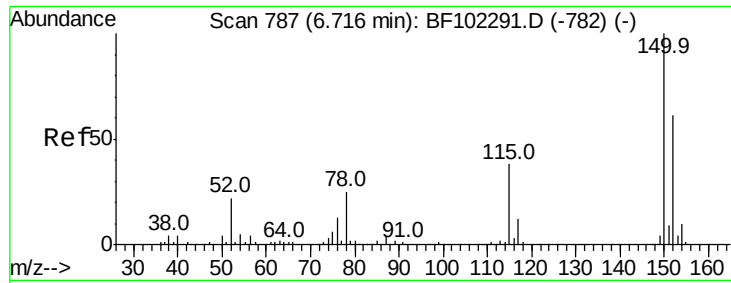
Quant Time: Jan 30 22:19:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	158239	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	672049	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	303940	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	539394	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	416434	20.00	ng	-0.01
86) Perylene-d12	15.30	264	298269	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1057912	101.37	ng	0.02
7) Phenol-d6	6.36	99	1175619	93.44	ng	0.00
23) Nitrobenzene-d5	7.28	82	931390	79.64	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	296641	98.50	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1633824	79.04	ng	0.00
78) Terphenyl-d14	12.82	244	1494832	80.92	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	29662	2.159	ng	# 64
15) Benzyl Alcohol	6.87	79	32124	3.619	ng	# 57
17) 2-Methylphenol	7.13	107	381459	40.149	ng	# 70
20) 3+4-Methylphenols	7.13	107	388105	34.732	ng	# 86
25) Isophorone	7.28	82	931118	44.661	ng	# 64
27) 2,4-Dimethylphenol	7.82	122	135997	14.869	ng	# 5
31) Naphthalene	8.01	128	100853	3.006	ng	# 97
32) Benzoic acid	7.82	122	137040	17.884	ng	# 96
49) Dimethylphthalate	9.46	163	53660	2.136	ng	# 99
50) 2,6-Dinitrotoluene	9.74	165	38547	7.117	ng	# 26
56) 2,4-Dinitrotoluene	9.74	165	38547	5.787	ng	# 24
66) 4-Bromophenyl-phenylether	10.54	248	20352	3.505	ng	# 1

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

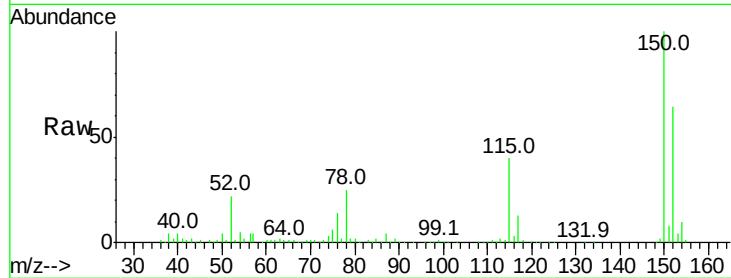


#1

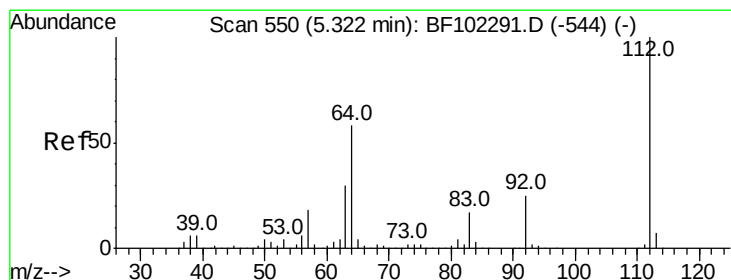
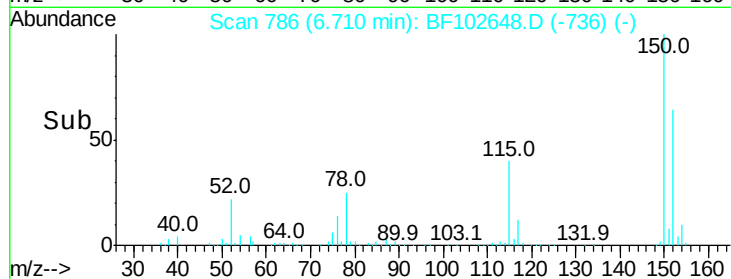
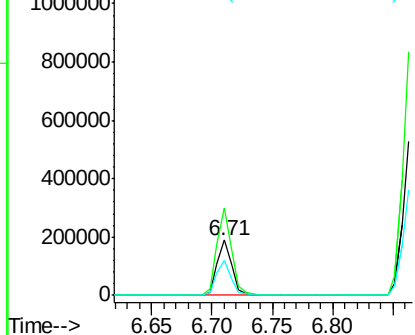
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102648.D
Acq: 30 Jan 2018 19:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 158239
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 63.0 50.1 75.1



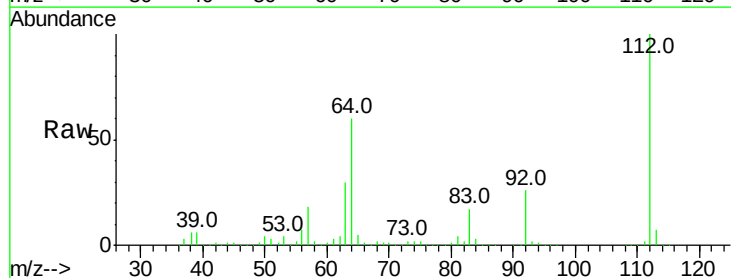
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



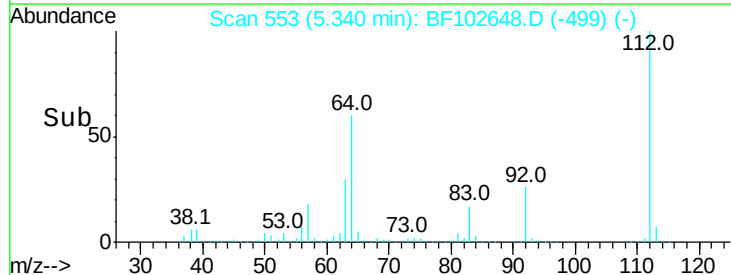
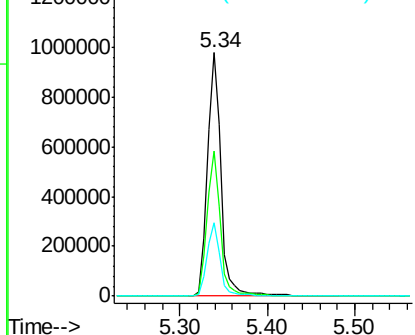
#5

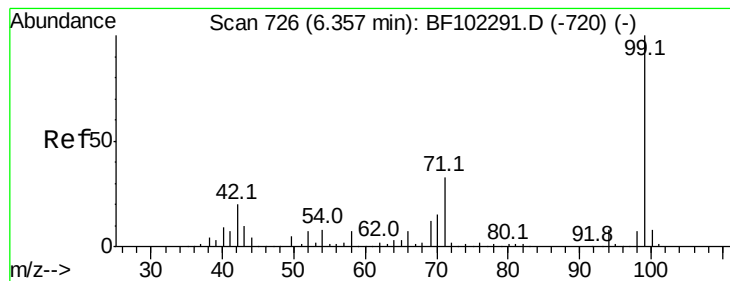
2-Fluorophenol
Concen: 101.370 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102648.D
Acq: 30 Jan 2018 19:15

Tgt Ion:112 Resp: 1057912
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 30.4 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: 93.439 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

Instrument :

BNA_F

ClientSampleId :

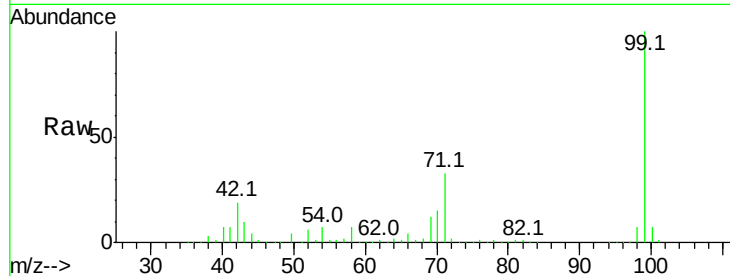
Tot Ion: 99 Resp: 1175619

Ion Ratio Lower Upper

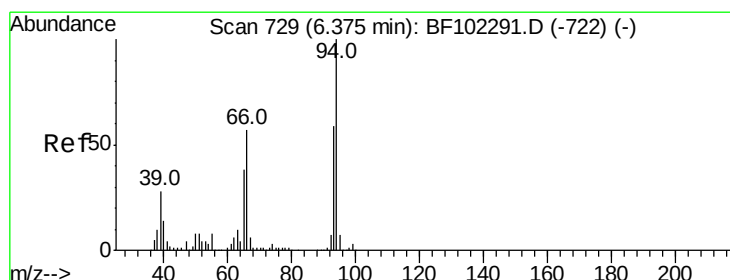
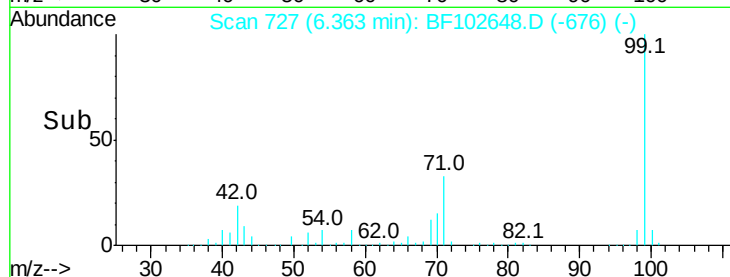
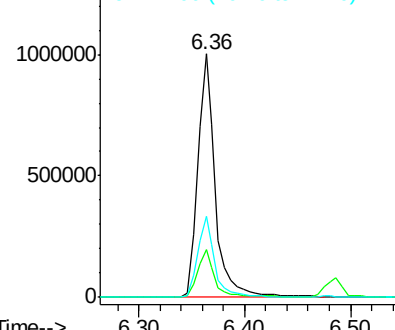
99 100

42 19.4 14.5 21.7

71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.159 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

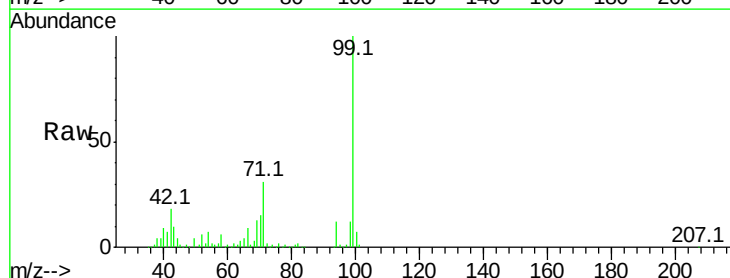
Tgt Ion: 94 Resp: 29662

Ion Ratio Lower Upper

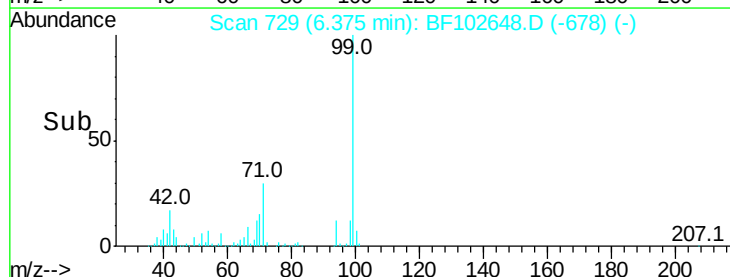
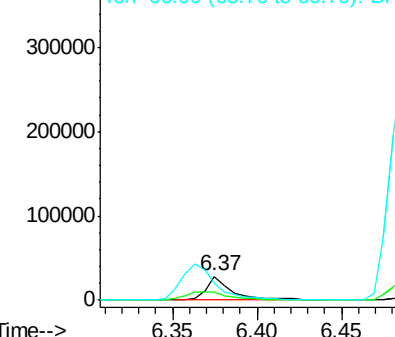
94 100

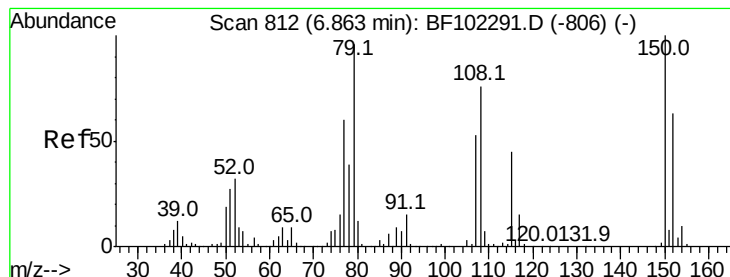
65 32.7 7.9 47.9

66 69.6 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 3.619 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

Instrument :

BNA_F

ClientSampleId :

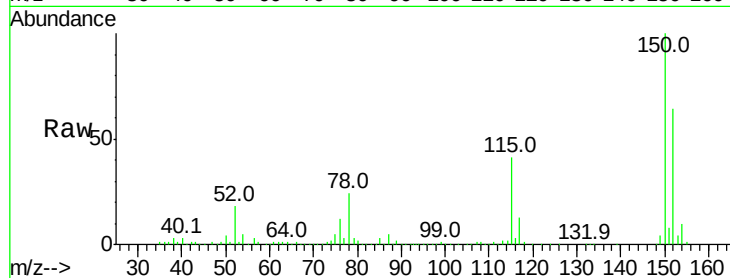
Tot Ion: 79 Resp: 32124

Ion Ratio Lower Upper

79 100

108 53.1 65.1 97.7#

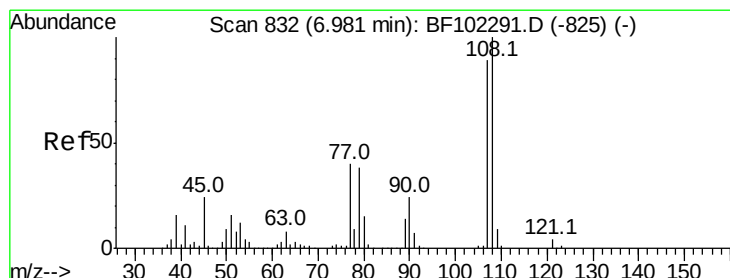
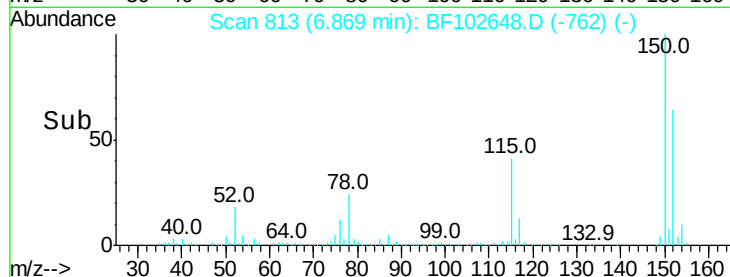
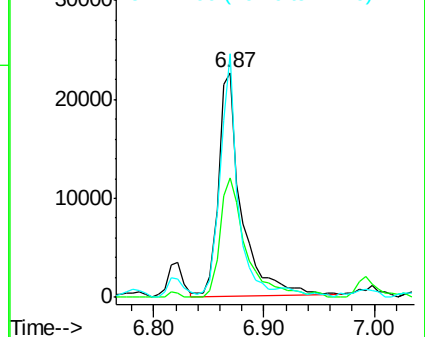
77 108.4 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#17

2-Methylphenol

Concen: 40.149 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.15 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

Tgt Ion: 107 Resp: 381459

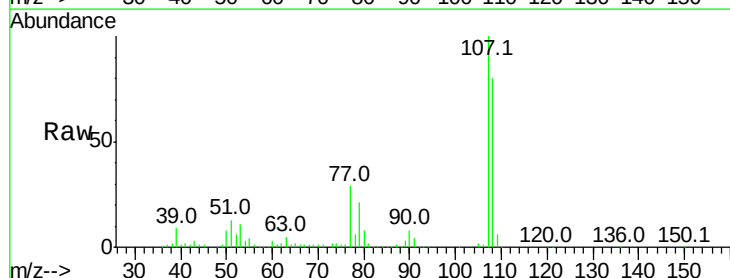
Ion Ratio Lower Upper

107 100

108 80.3 91.7 137.5#

77 28.8 33.8 50.8#

79 21.3 33.8 50.8#

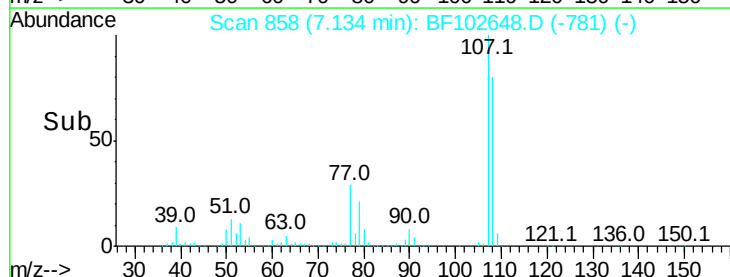
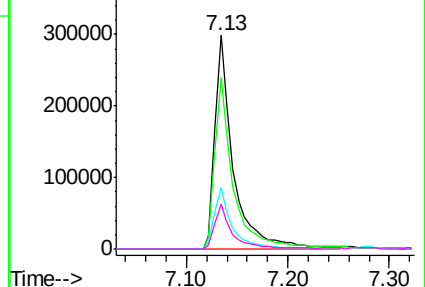


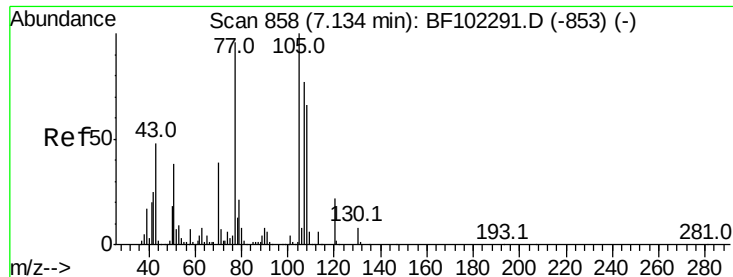
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#20

3+4-Methylphenols

Concen: 34.732 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 388105

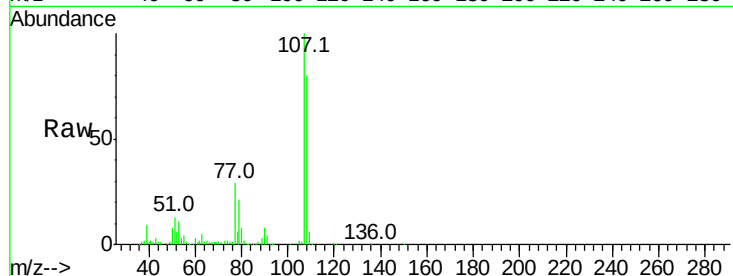
Ion Ratio Lower Upper

107 100

108 80.3 68.2 108.2

77 28.8 26.7 66.7

79 21.3 6.3 46.3

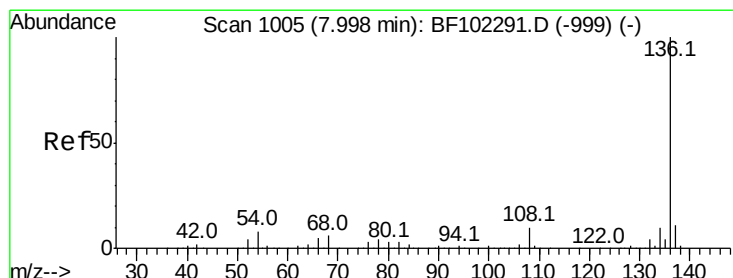
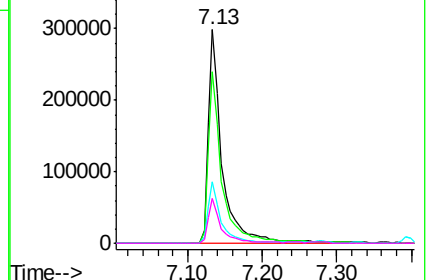
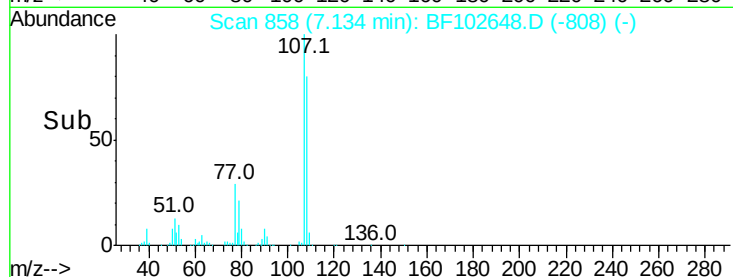


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

Tgt Ion:136 Resp: 672049

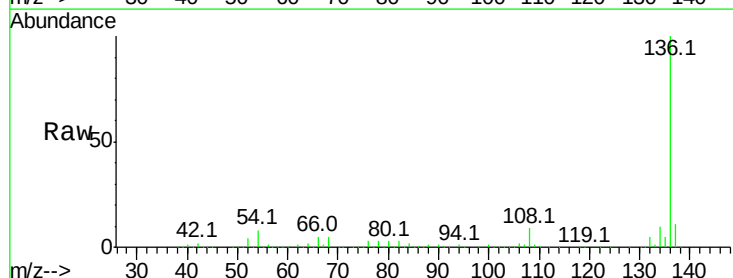
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.6 6.6 9.8

68 5.2 5.0 7.4

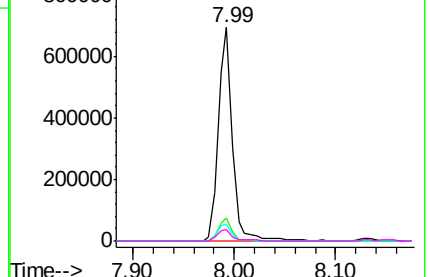
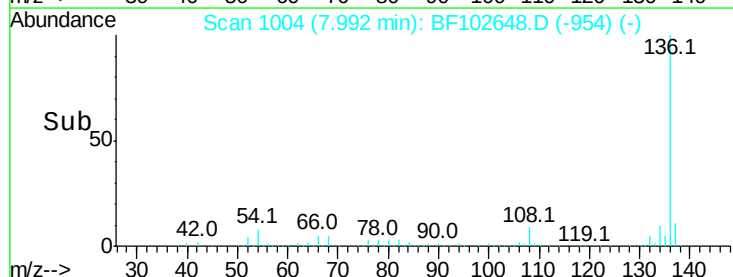


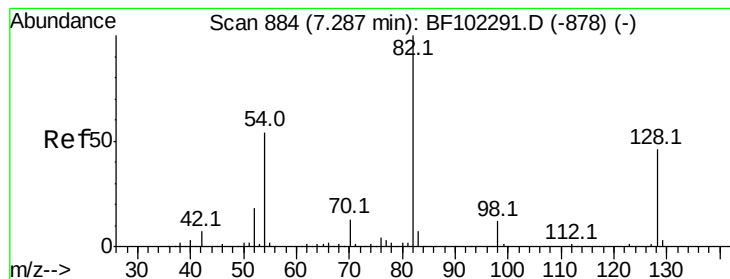
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 79.643 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

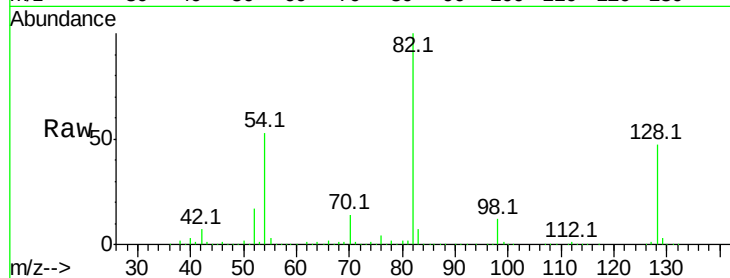
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 82 Resp: 931390

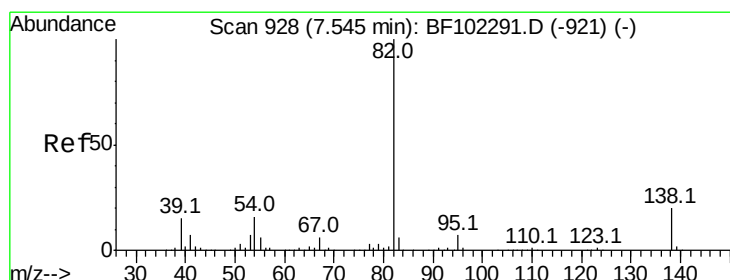
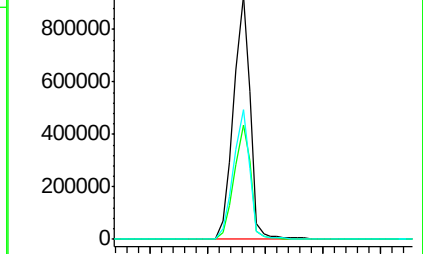
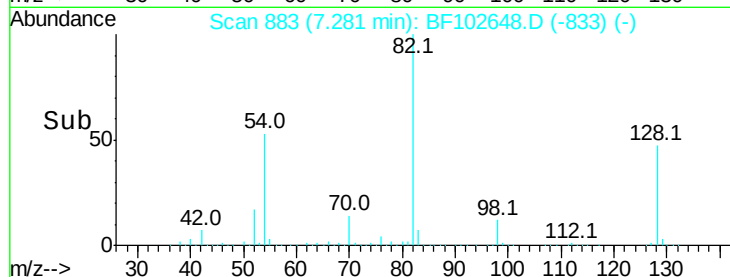
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	53.1	41.4	62.2



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: 44.661 ng

RT: 7.28 min Scan# 883

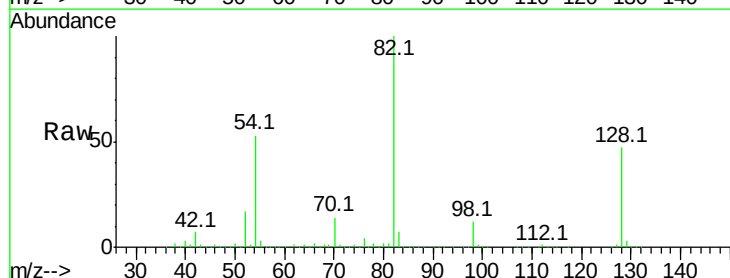
Delta R.T. -0.26 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

Tgt Ion: 82 Resp: 931118

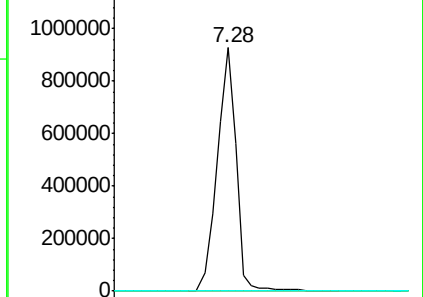
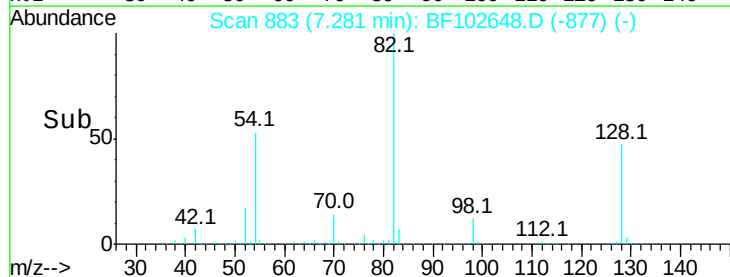
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

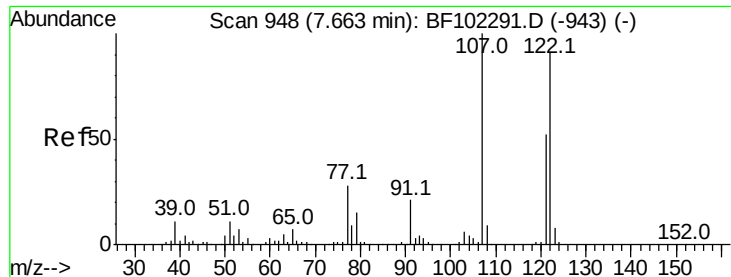


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#27

2,4-Dimethylphenol

Concen: 14.869 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.16 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

Instrument :

BNA_F

ClientSampleId :

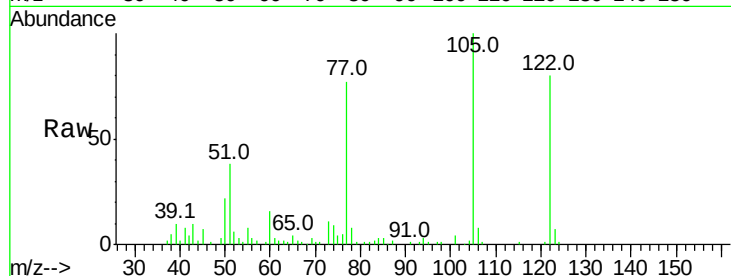
Tot Ion:122 Resp: 135997

Ion Ratio Lower Upper

122 100

107 1.6 91.2 136.8#

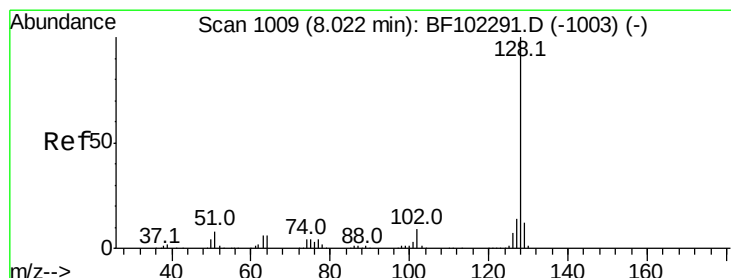
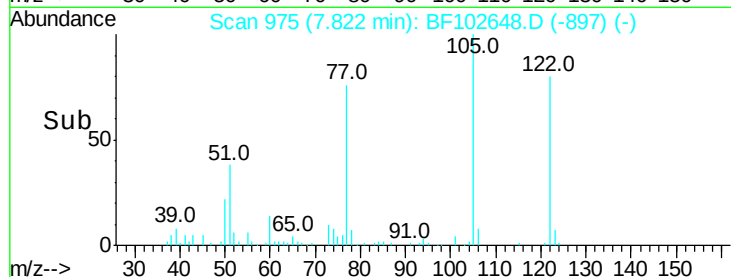
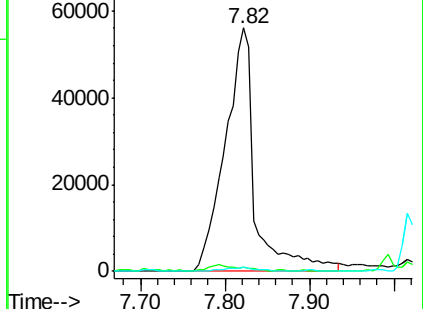
121 1.8 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 3.006 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

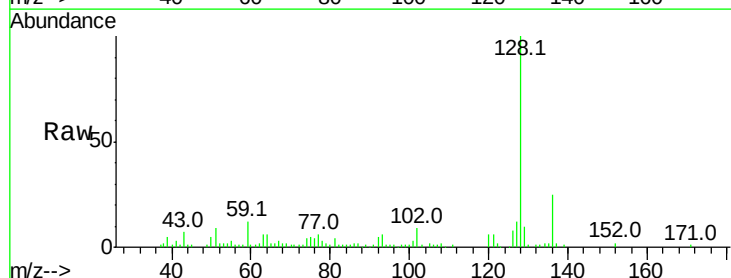
Tgt Ion:128 Resp: 100853

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

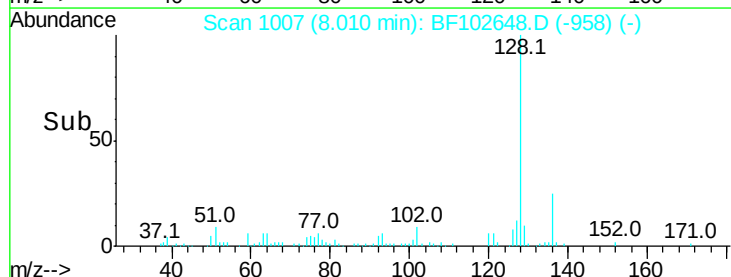
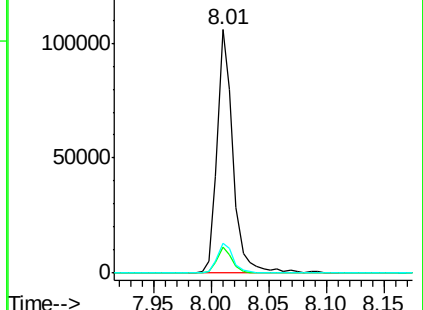
127 12.1 10.9 16.3

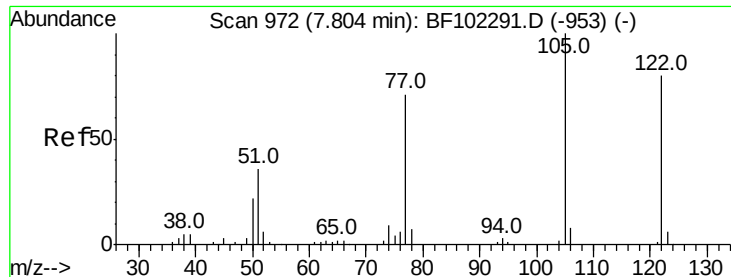


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

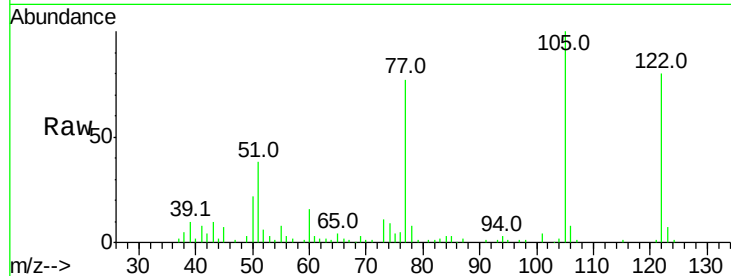




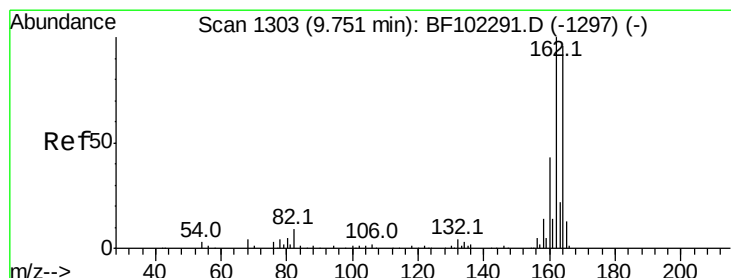
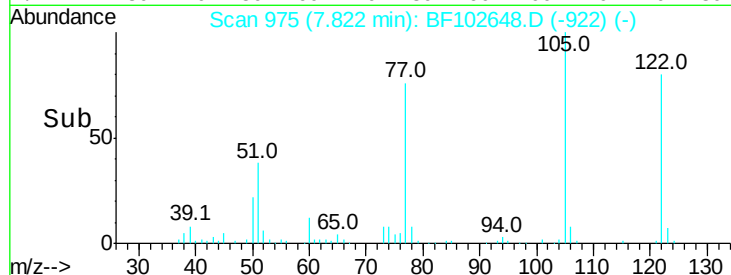
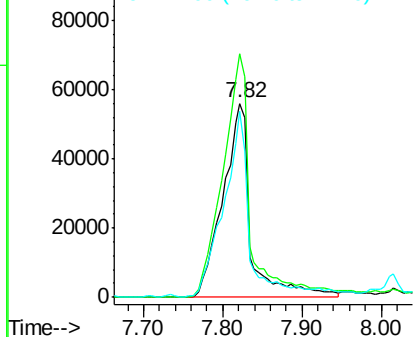
#32
Benzoic acid
Concen: 17.884 ng
RT: 7.82 min Scan# 975
Delta R.T. 0.01 min
Lab File: BF102648.D
Acq: 30 Jan 2018 19:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 137040
Ion Ratio Lower Upper
122 100
105 125.3 101.1 141.1
77 95.9 70.7 110.7

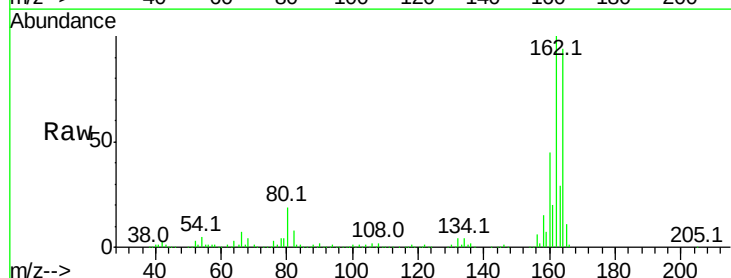


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

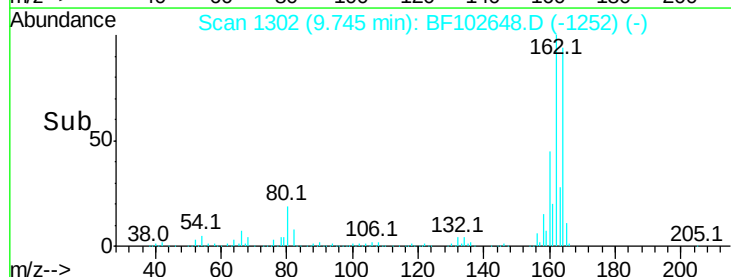
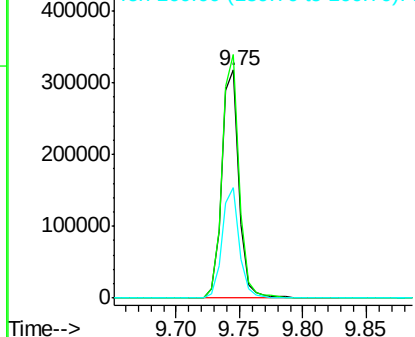


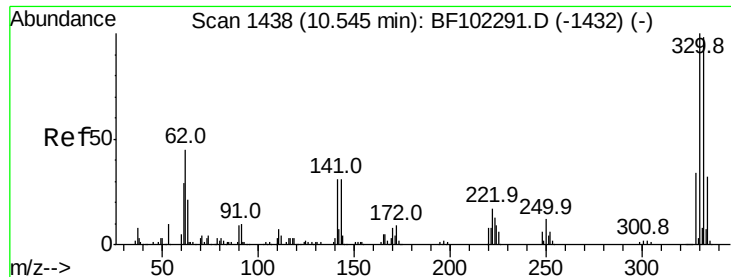
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102648.D
Acq: 30 Jan 2018 19:15

Tgt Ion:164 Resp: 303940
Ion Ratio Lower Upper
164 100
162 106.8 86.1 129.1
160 48.6 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

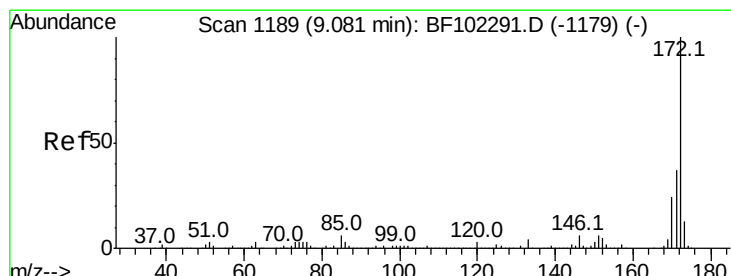
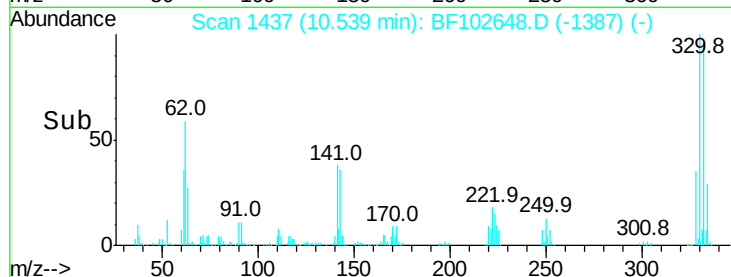
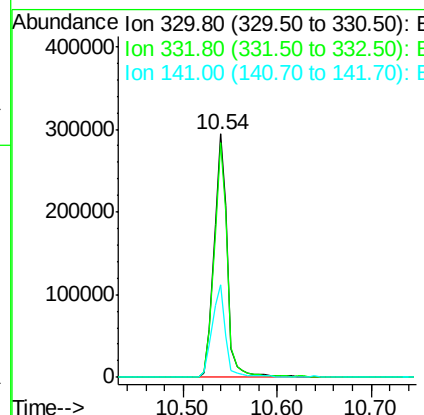
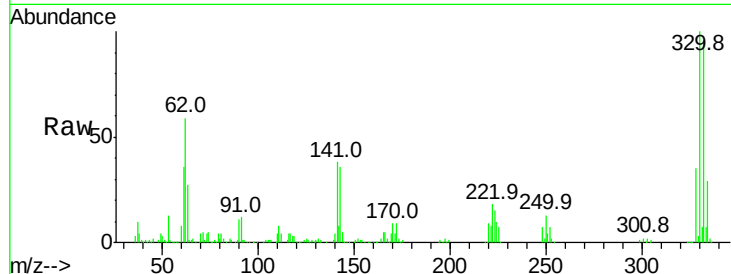




#41
 2,4,6-Tribromophenol
 Concen: 98.499 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102648.D
 Acq: 30 Jan 2018 19:15

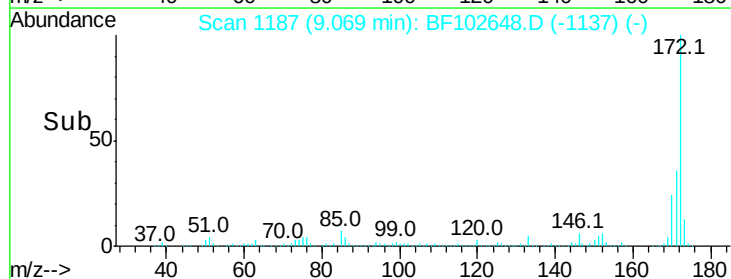
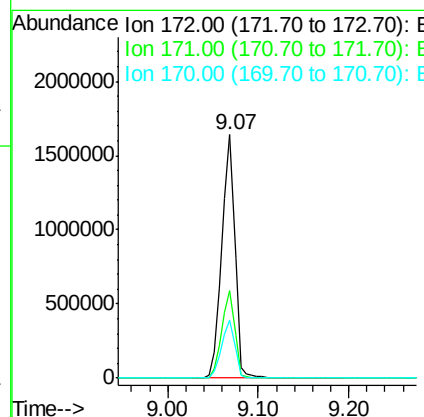
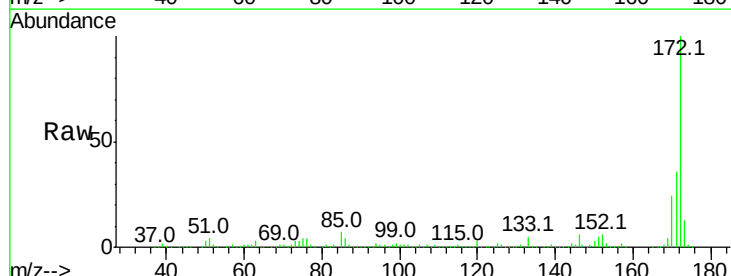
Instrument :
 BNA_F
 ClientSampleId :

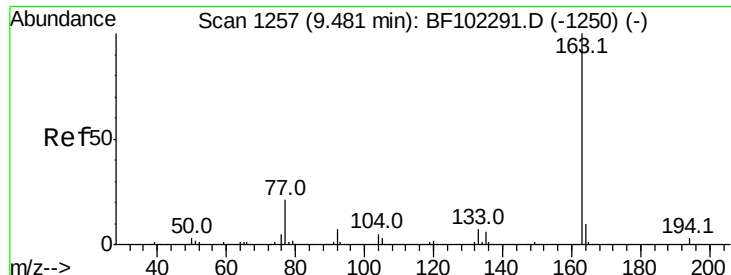
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	38.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 79.039 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102648.D
 Acq: 30 Jan 2018 19:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.0	19.6	29.4

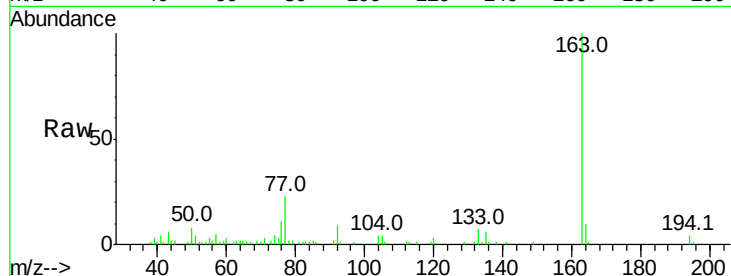




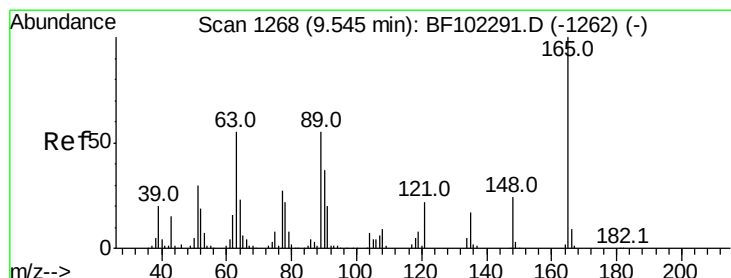
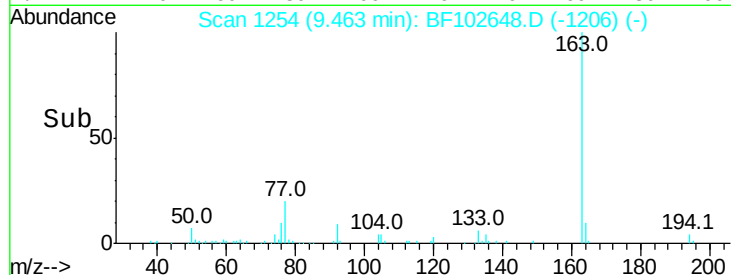
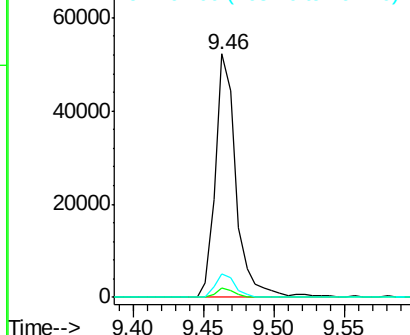
#49
Dimethylphthalate
Concen: 2.136 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102648.D
Acq: 30 Jan 2018 19:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 53660
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.7 8.2 12.2

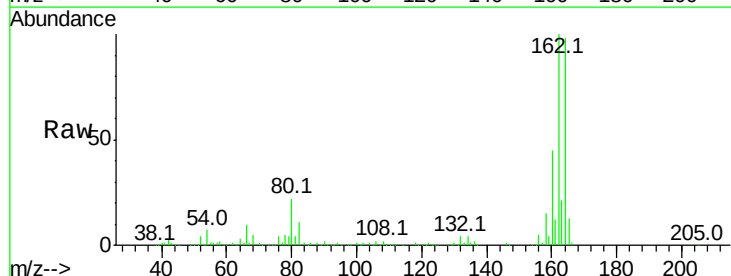


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

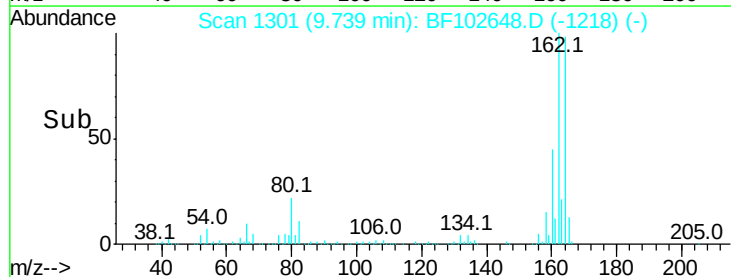
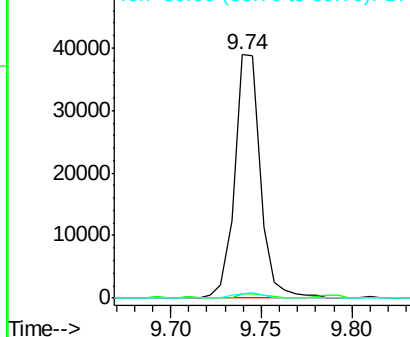


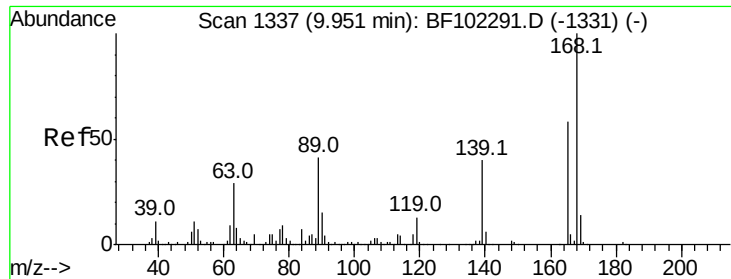
#50
2,6-Dinitrotoluene
Concen: 7.117 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.19 min
Lab File: BF102648.D
Acq: 30 Jan 2018 19:15

Tgt Ion:165 Resp: 38547
Ion Ratio Lower Upper
165 100
63 2.0 44.7 67.1#
89 1.6 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

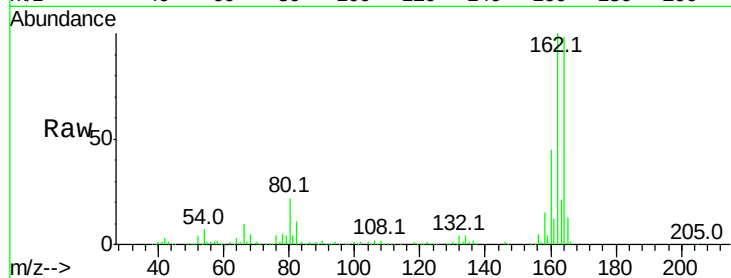




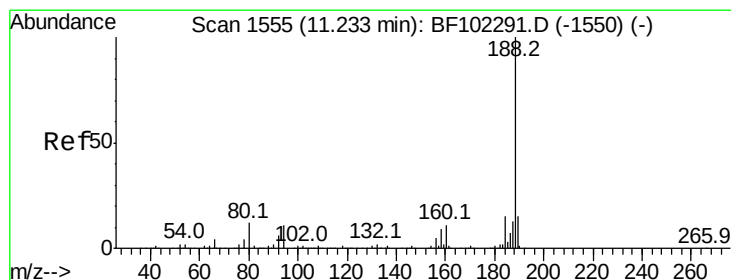
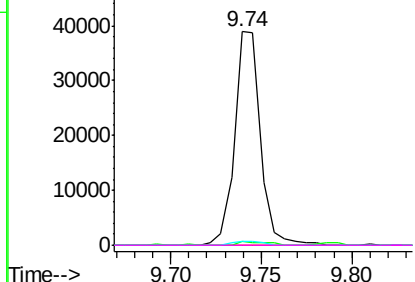
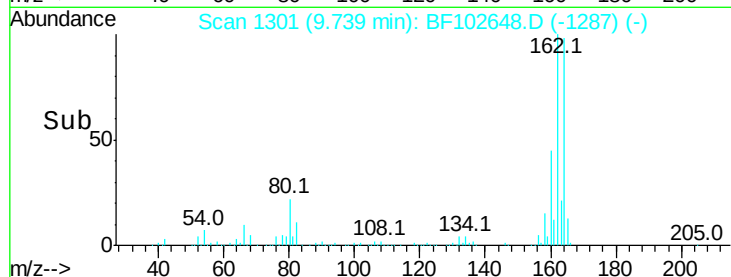
#56
 2,4-Dinitrotoluene
 Concen: 5.787 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.22 min
 Lab File: BF102648.D
 Acq: 30 Jan 2018 19:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 38547
 Ion Ratio Lower Upper
 165 100
 63 2.0 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

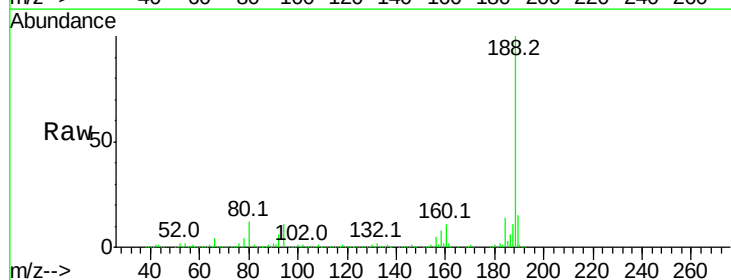


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

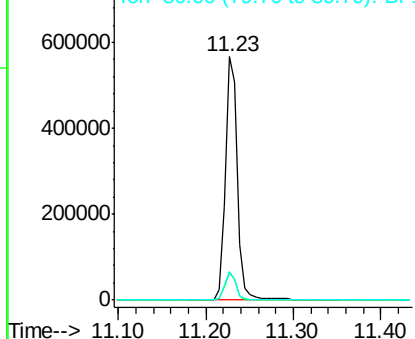
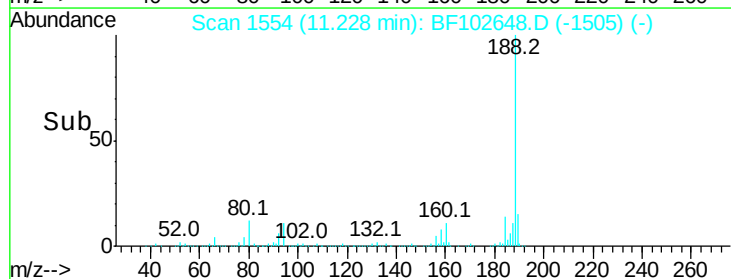


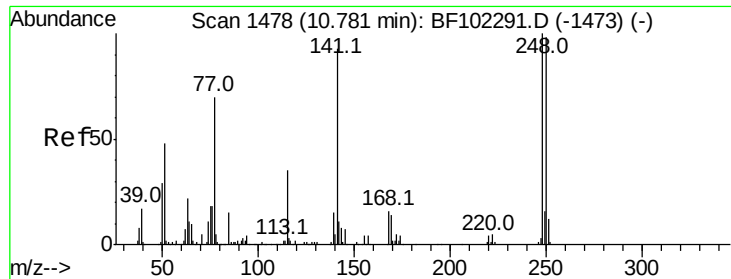
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF102648.D
 Acq: 30 Jan 2018 19:15

Tgt Ion:188 Resp: 539394
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 12.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

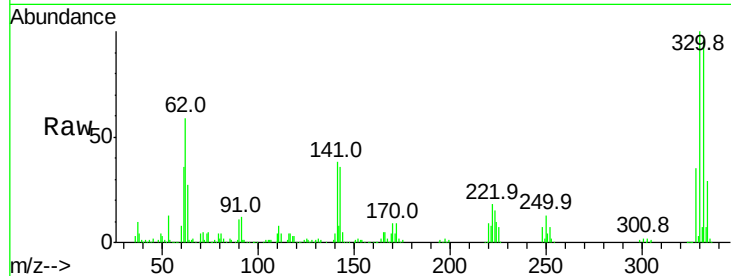




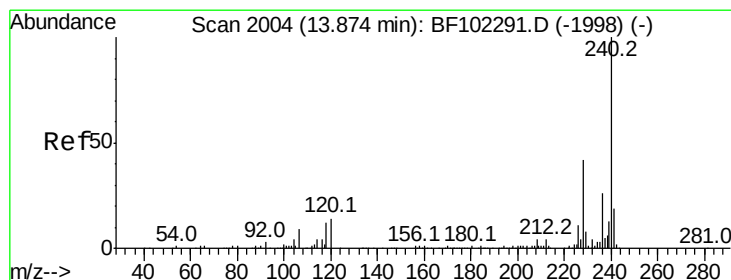
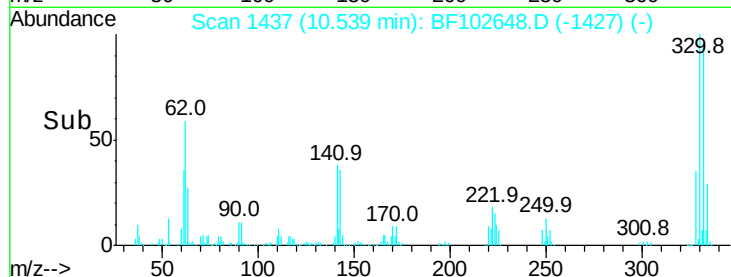
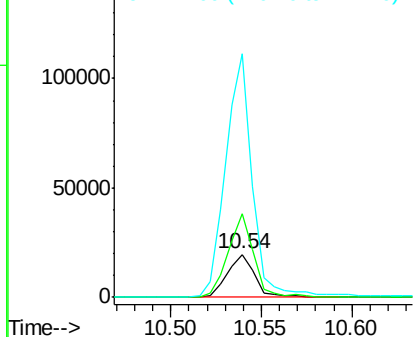
#66
 4-Bromophenyl-phenylether
 Concen: 3.505 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: BF102648.D
 Acq: 30 Jan 2018 19:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 20352
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 565.4 74.4 111.6#

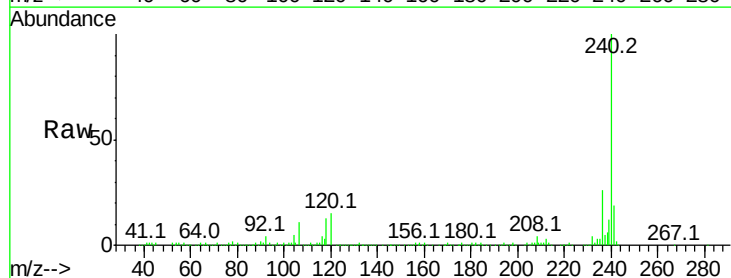


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

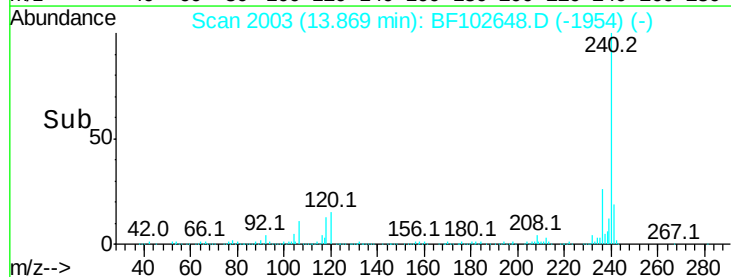
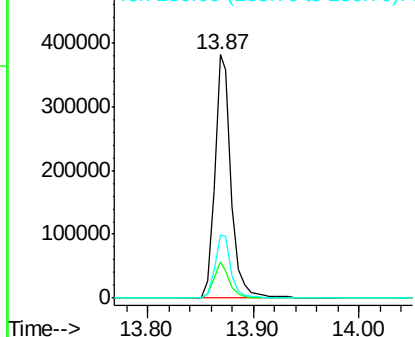


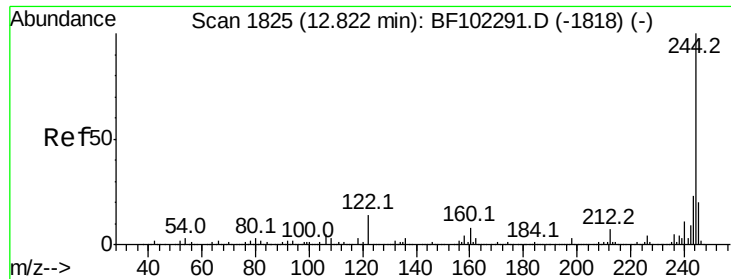
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF102648.D
 Acq: 30 Jan 2018 19:15

Tgt Ion:240 Resp: 416434
 Ion Ratio Lower Upper
 240 100
 120 14.8 9.5 14.3#
 236 26.0 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: 80.923 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

Instrument :

BNA_F

ClientSampleId :

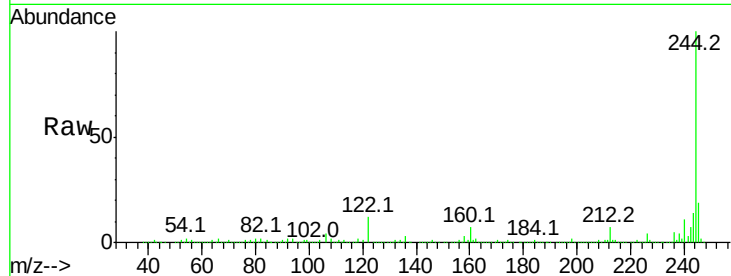
Tot Ion:244 Resp: 1494832

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

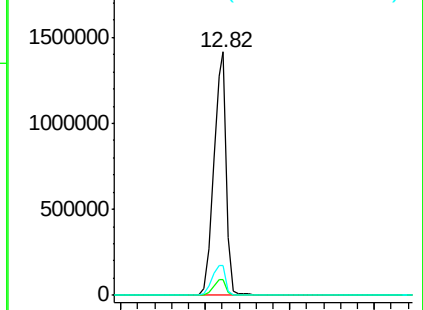
122 12.4 11.0 16.4



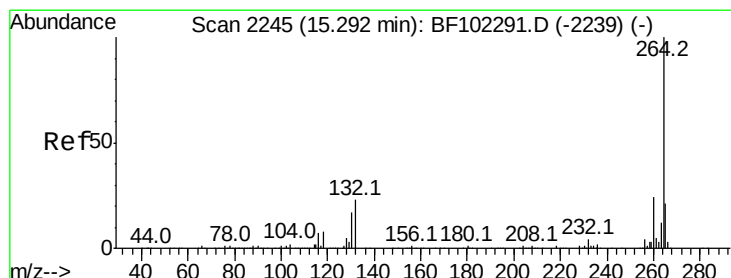
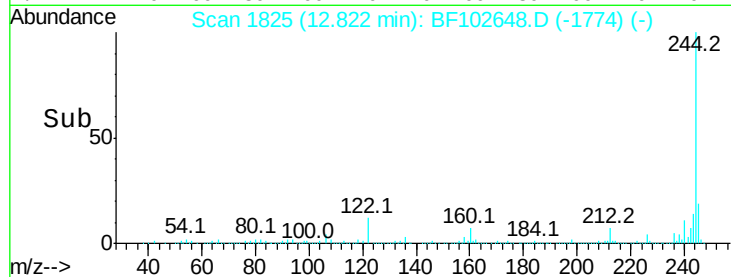
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.70 12.80 12.90 13.00



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. 0.00 min

Lab File: BF102648.D

Acq: 30 Jan 2018 19:15

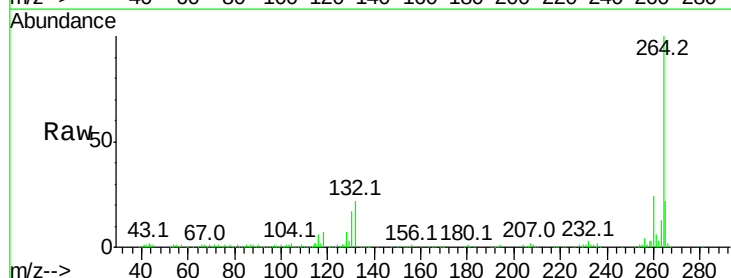
Tgt Ion:264 Resp: 298269

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

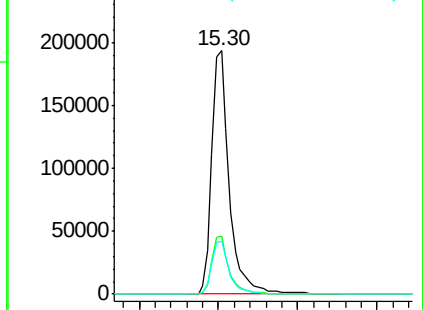
265 21.9 17.5 26.3



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



Time--> 15.20 15.30 15.40 15.50

