

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083103.D
 Acq On : 21 Nov 2015 4:31
 Operator : UM/IZ
 Sample : G4486-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 06:03:08 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

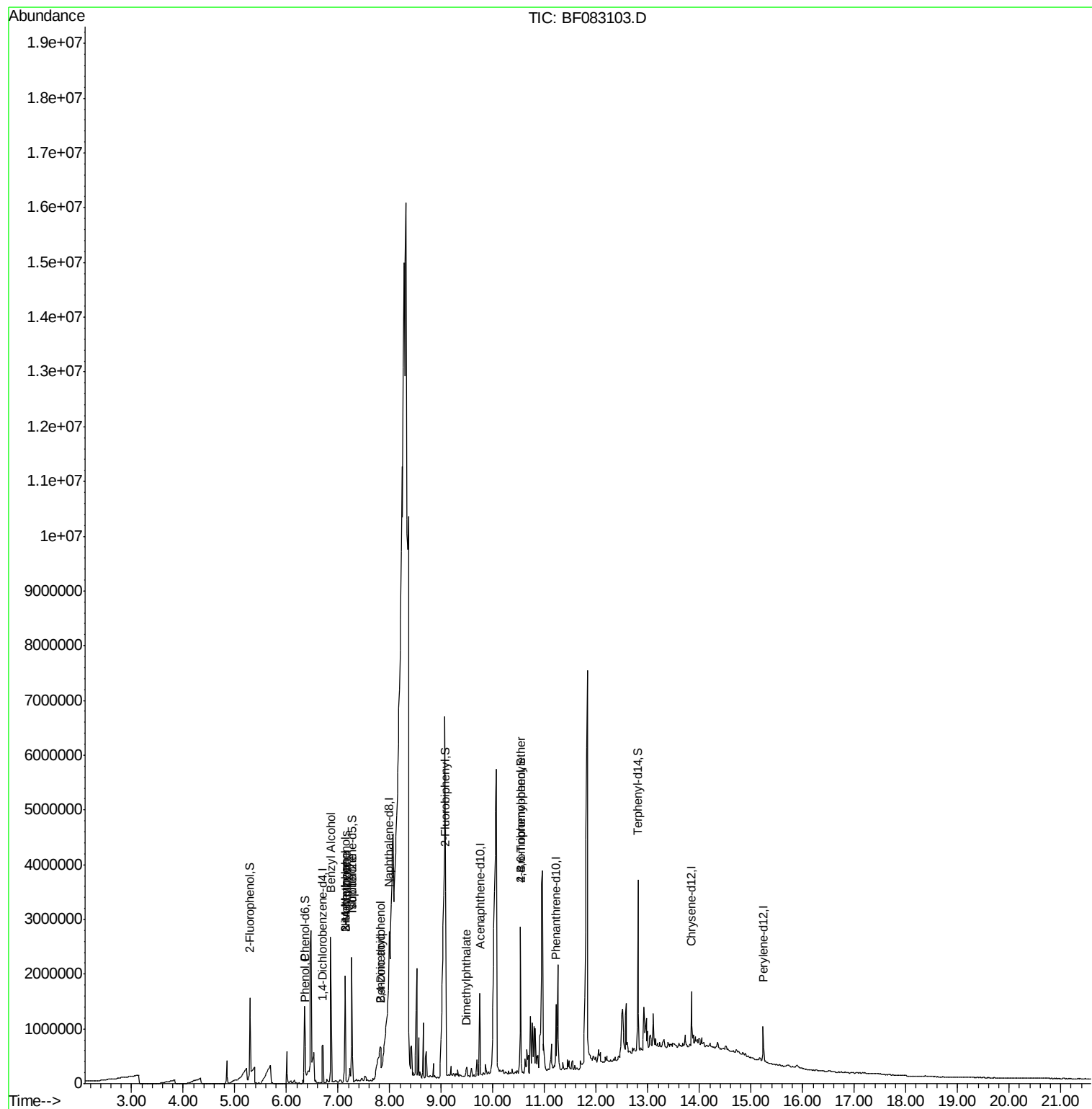
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	158619	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	537125	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	278499	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	411008	20.00	ng	0.00
75) Chrysene-d12	13.85	240	367208	20.00	ng	-0.01
86) Perylene-d12	15.23	264	280997	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	495660	48.53	ng	0.00
7) Phenol-d6	6.35	99	445911	33.15	ng	0.00
23) Nitrobenzene-d5	7.26	82	814417	69.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	274978	92.99	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1511358	73.09	ng	0.00
78) Terphenyl-d14	12.81	244	963596	61.95	ng	0.00
Target Compounds						
9) Benzaldehyde	6.24	77	3178	Below Cal		Qvalue 97
10) Phenol	6.36	94	129500	8.26	ng	99
15) Benzyl Alcohol	6.85	79	26194	2.37	ng	# 68
17) 2-Methylphenol	7.14	107	698793	73.47	ng	# 65
20) 3+4-Methylphenols	7.14	107	703349	56.73	ng	84
24) Nitrobenzene	7.14	77	231240	19.54	ng	# 53
25) Isophorone	7.26	82	655894	29.64	ng	# 69
27) 2,4-Dimethylphenol	7.82	122	527481	61.67	ng	# 3
32) Benzoic acid	7.82	122	527481	101.39	ng	92
49) Dimethylphthalate	9.48	163	53317	2.33	ng	98
66) 4-Bromophenyl-phenylether	10.53	248	20661	4.34	ng	# 1

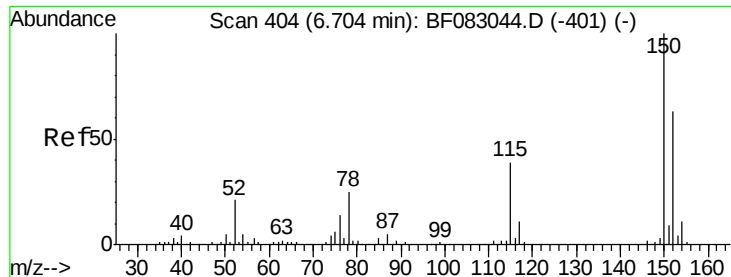
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

Instrument :

BNA_F

ClientSampled :

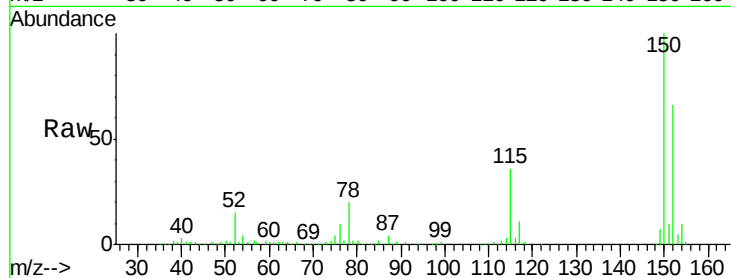
Tot Ion:152 Resp: 158619

Ion Ratio Lower Upper

152 100

150 150.5 126.4 189.6

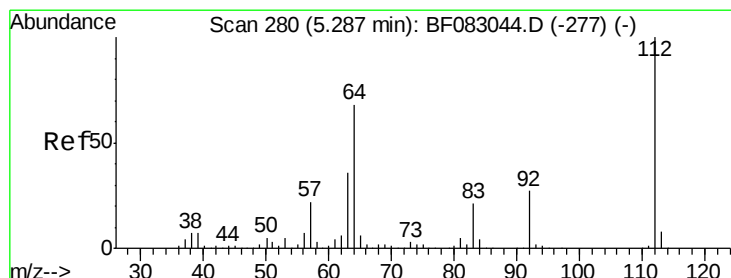
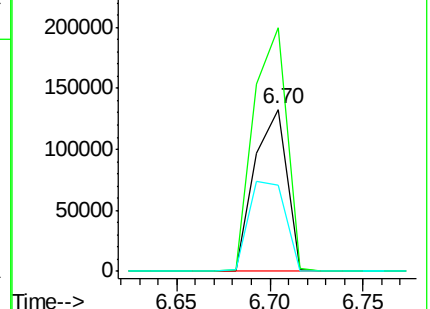
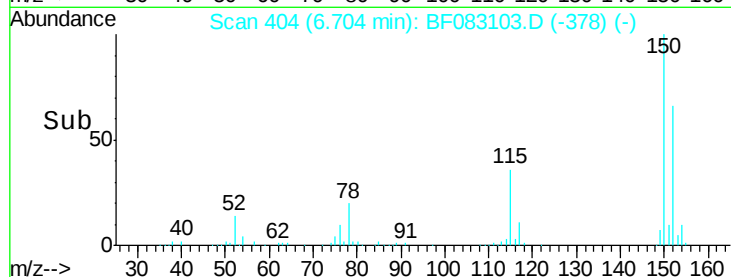
115 53.6 49.0 73.6



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: 48.53 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

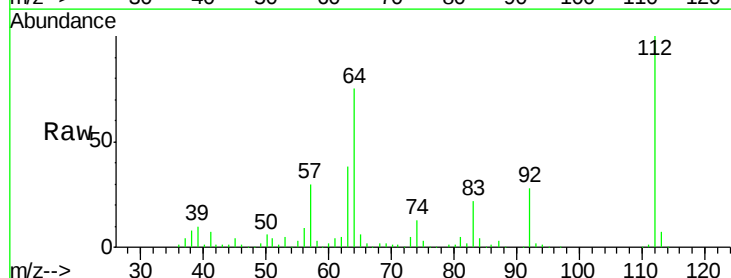
Tgt Ion:112 Resp: 495660

Ion Ratio Lower Upper

112 100

64 74.6 54.8 82.2

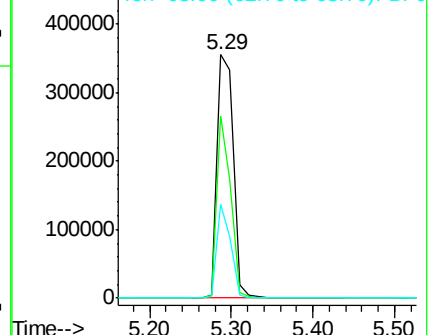
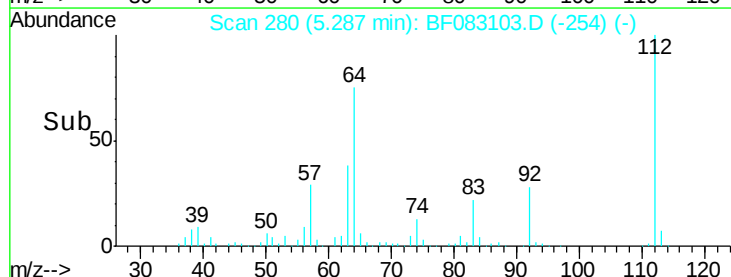
63 38.4 29.0 43.4

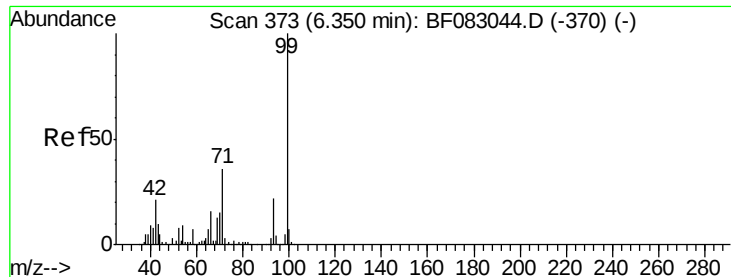


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.15 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

Instrument :

BNA_F

ClientSampleId :

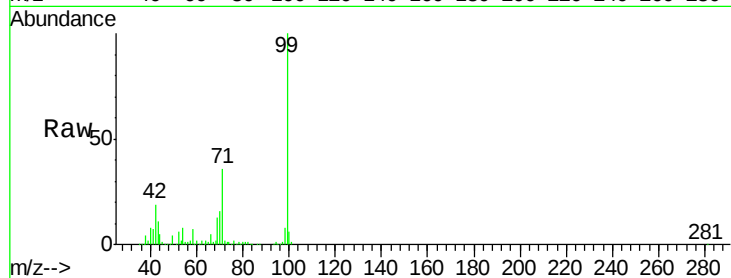
Tot Ion: 99 Resp: 445911

Ion Ratio Lower Upper

99 100

42 19.4 16.6 25.0

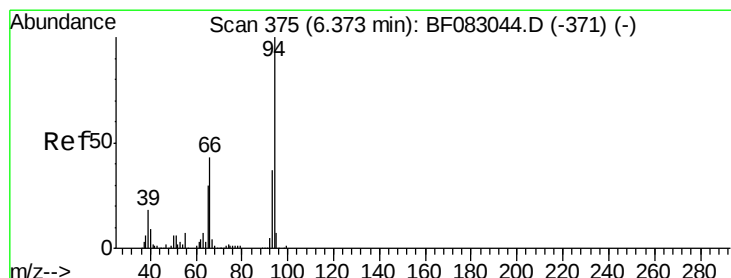
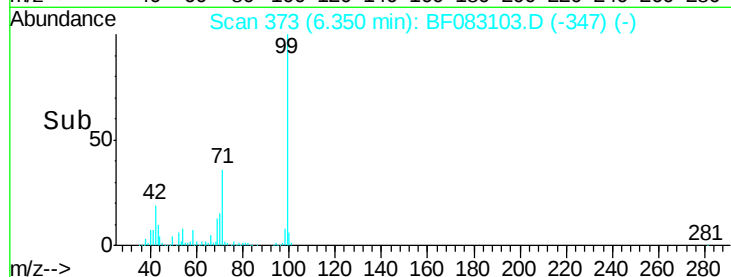
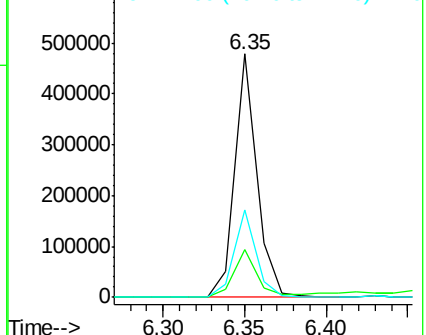
71 36.1 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 8.26 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

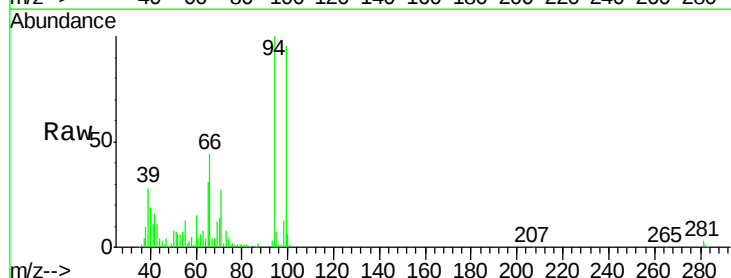
Tgt Ion: 94 Resp: 129500

Ion Ratio Lower Upper

94 100

65 30.7 10.1 50.1

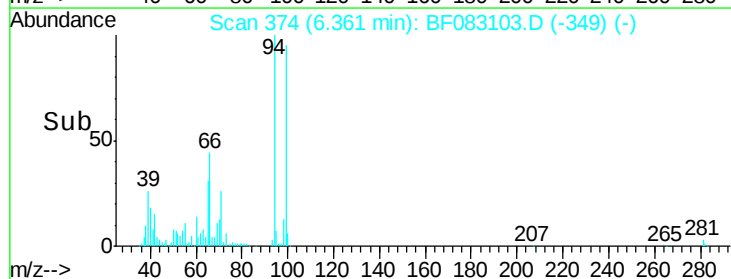
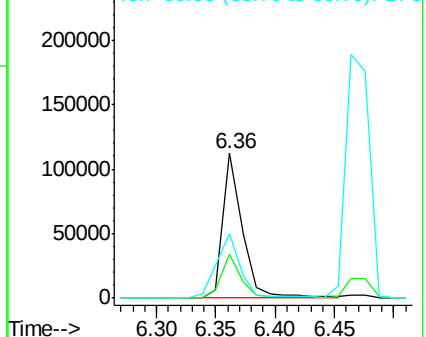
66 44.3 23.2 63.2

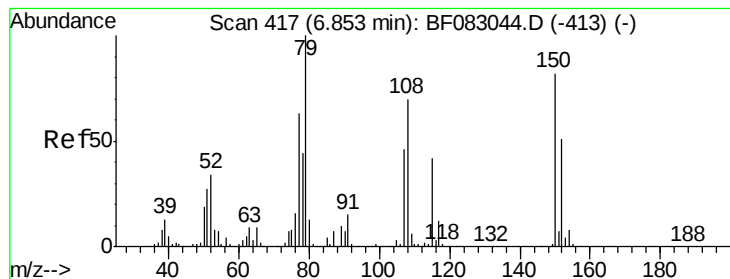


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.37 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

Instrument :

BNA_F

ClientSampleId :

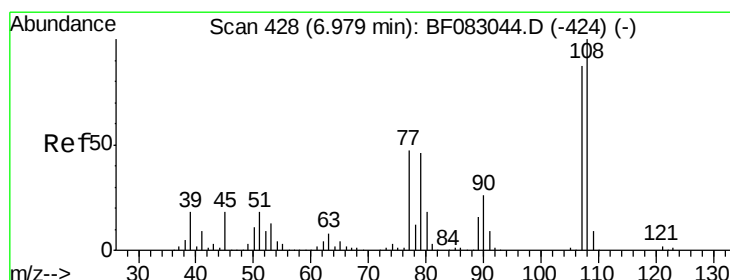
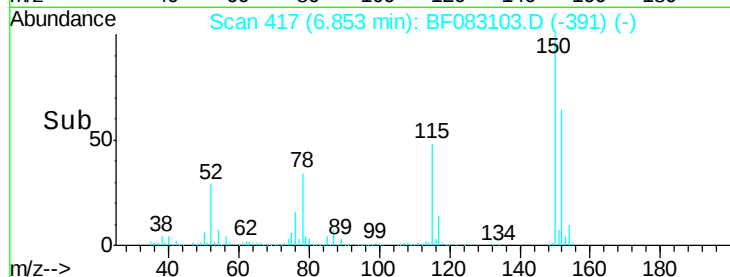
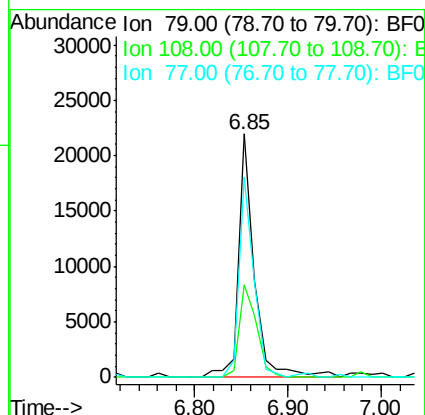
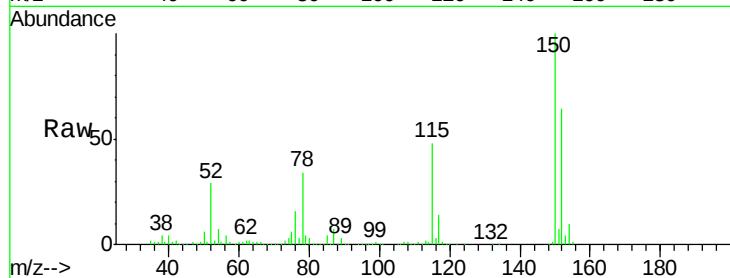
Tot Ion: 79 Resp: 26194

Ion Ratio Lower Upper

79 100

108 38.1 55.7 83.5#

77 82.1 50.7 76.1#



#17

2-Methylphenol

Concen: 73.47 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.16 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

Tgt Ion: 107 Resp: 698793

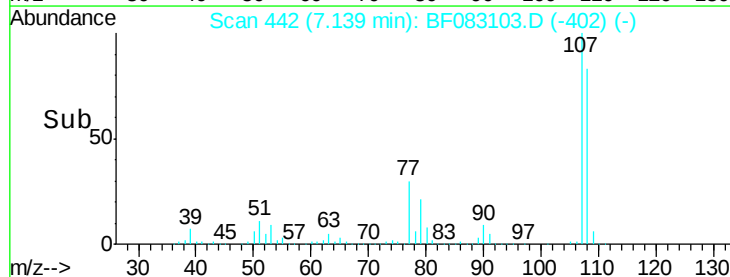
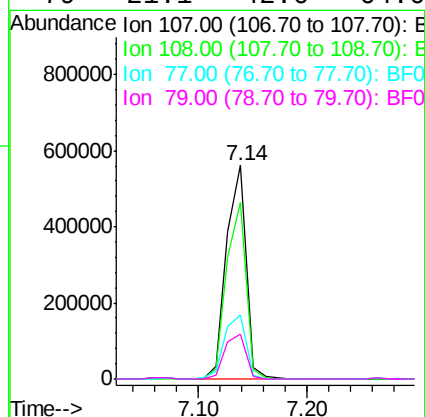
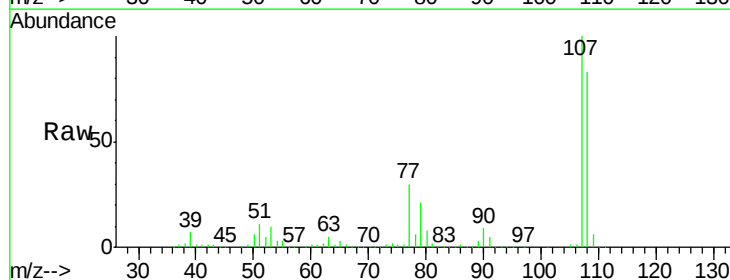
Ion Ratio Lower Upper

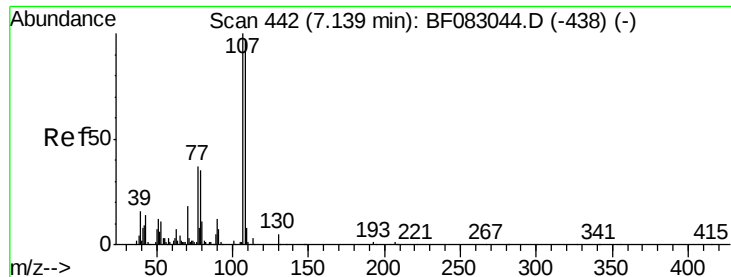
107 100

108 82.7 92.3 138.5#

77 29.8 43.9 65.9#

79 21.1 42.6 64.0#





#20

3+4-Methylphenols

Concen: 56.73 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 703349

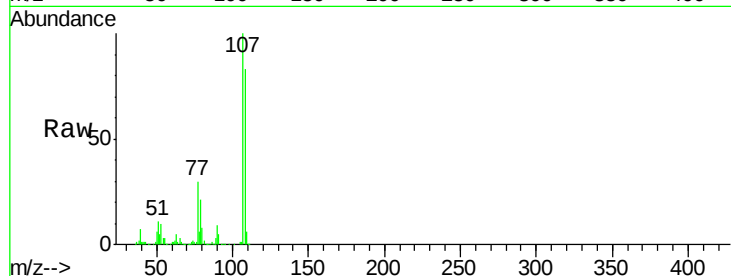
Ion Ratio Lower Upper

107 100

108 82.7 77.4 117.4

77 29.8 16.7 56.7

79 21.1 15.2 55.2

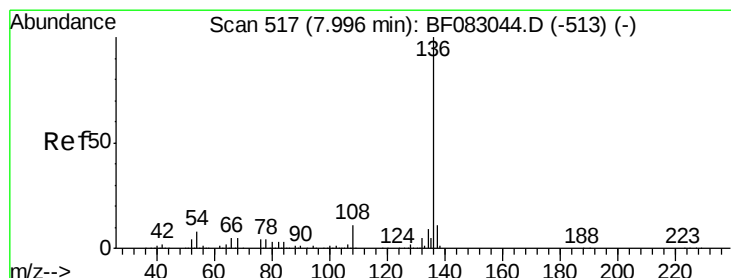
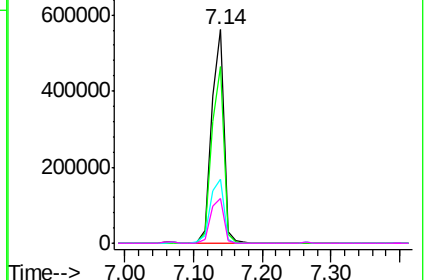
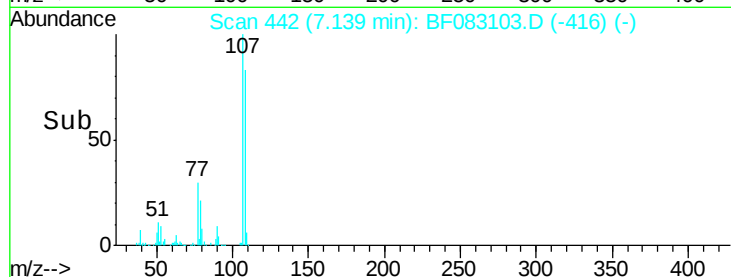


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

Tgt Ion:136 Resp: 537125

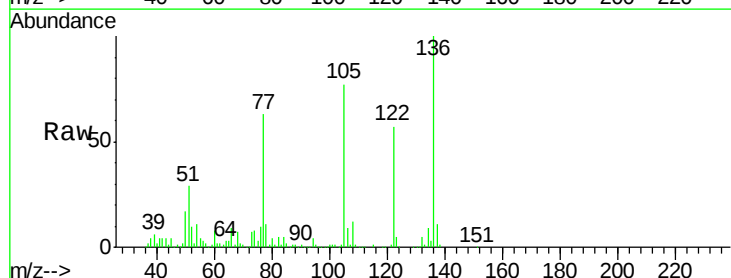
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 11.3 6.2 9.2#

68 7.3 4.2 6.2#

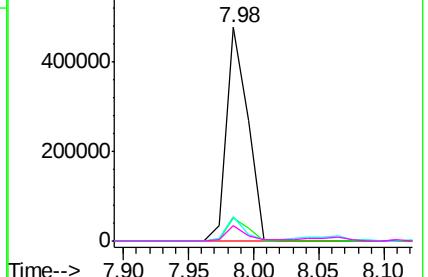
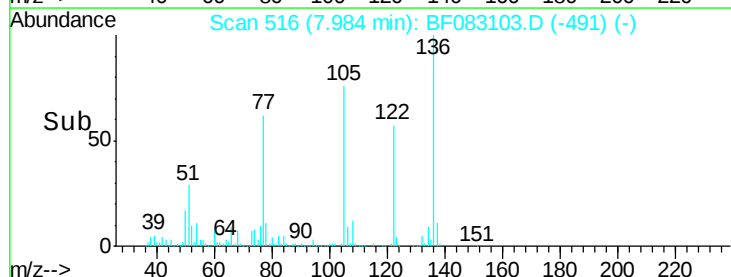


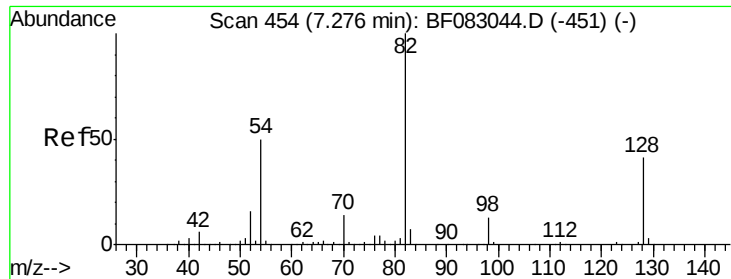
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

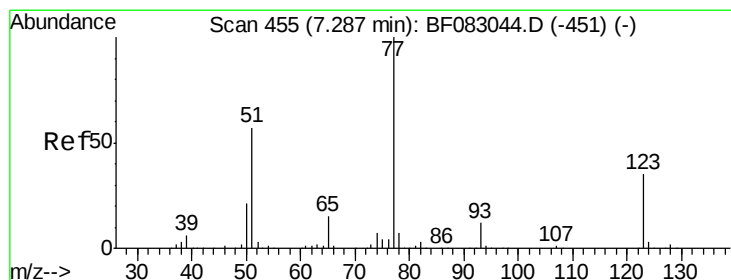
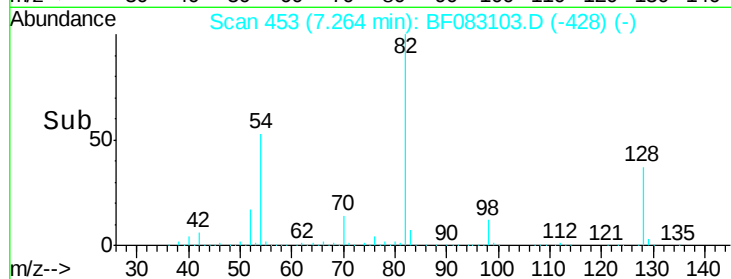
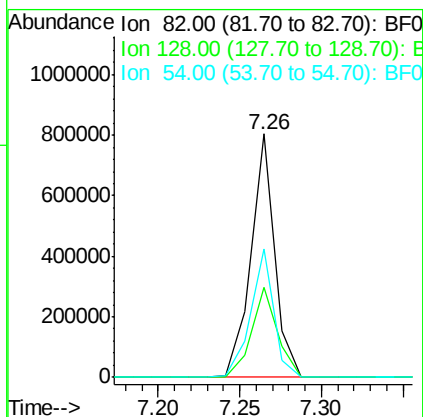
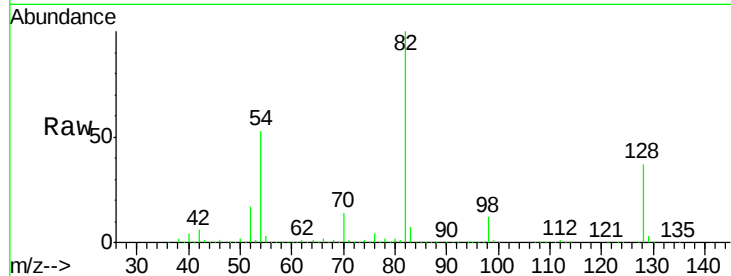




#23
Nitrobenzene-d5
Concen: 69.41 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF083103.D
Acq: 21 Nov 2015 4:31

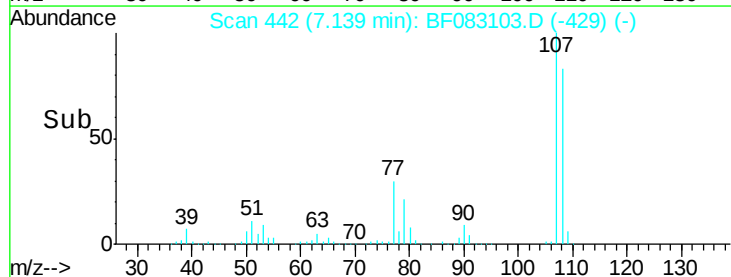
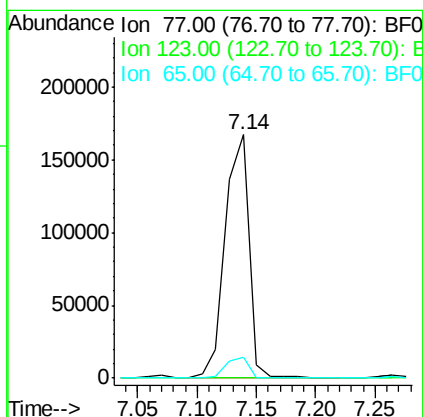
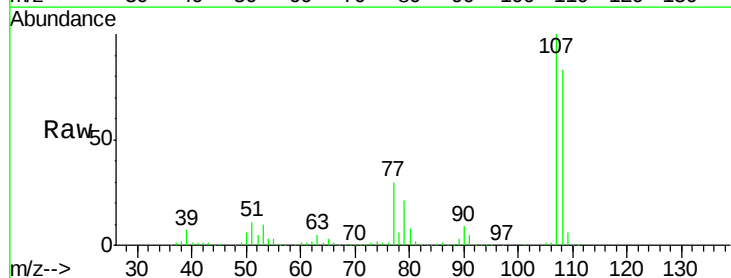
Instrument :
BNA_F
ClientSampleId :

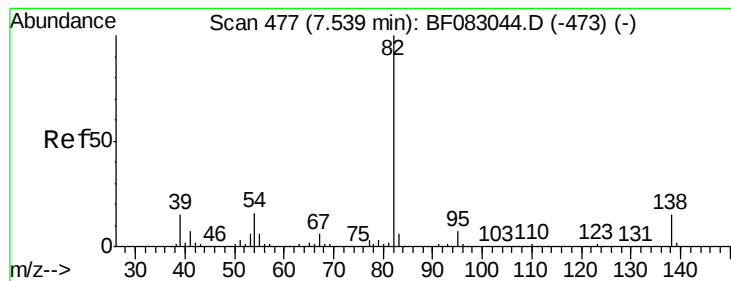
Tot Ion	82	Resp	814417
Ion Ratio	Lower	Upper	
82	100		
128	36.7	33.1	49.7
54	52.6	39.8	59.6



#24
Nitrobenzene
Concen: 19.54 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.15 min
Lab File: BF083103.D
Acq: 21 Nov 2015 4:31

Tgt Ion	77	Resp	231240
Ion Ratio	Lower	Upper	
77	100		
123	0.0	28.2	42.4#
65	8.5	11.8	17.8#





#25

Isophorone

Concen: 29.64 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.27 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

Instrument :

BNA_F

ClientSampleId :

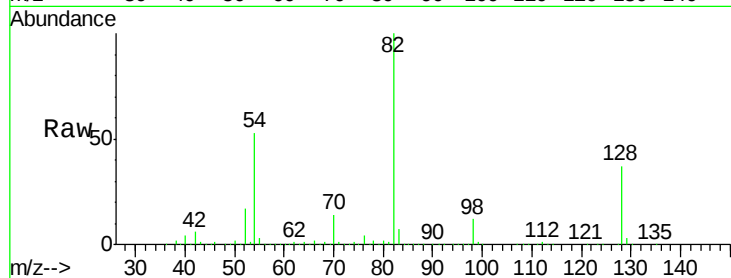
Tot Ion: 82 Resp: 655894

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

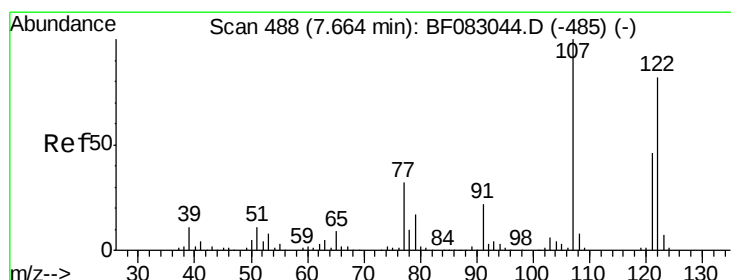
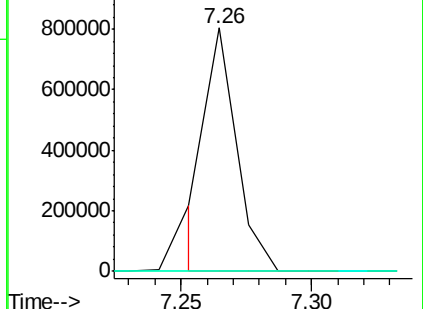
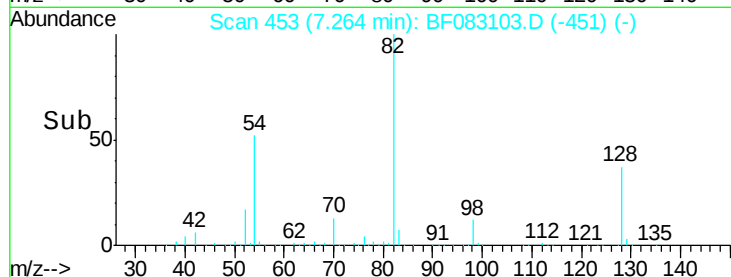
138 0.0 12.2 18.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#27

2,4-Dimethylphenol

Concen: 61.67 ng

RT: 7.82 min Scan# 502

Delta R.T. 0.16 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

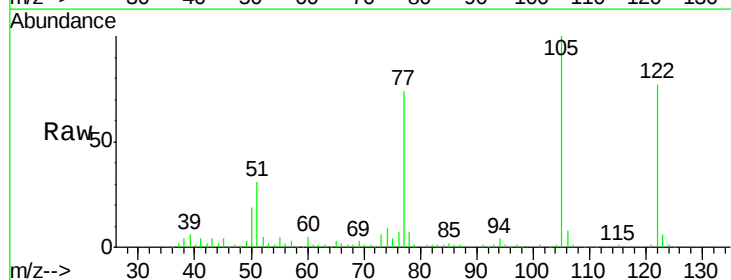
Tgt Ion: 122 Resp: 527481

Ion Ratio Lower Upper

122 100

107 1.2 97.5 146.3#

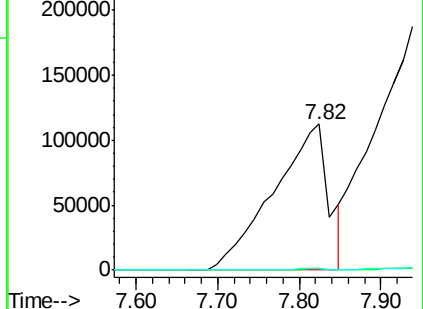
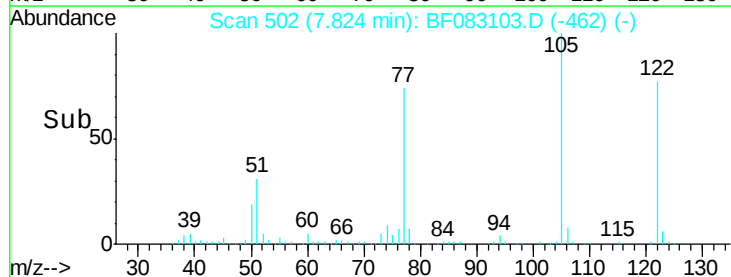
121 1.1 45.3 67.9#

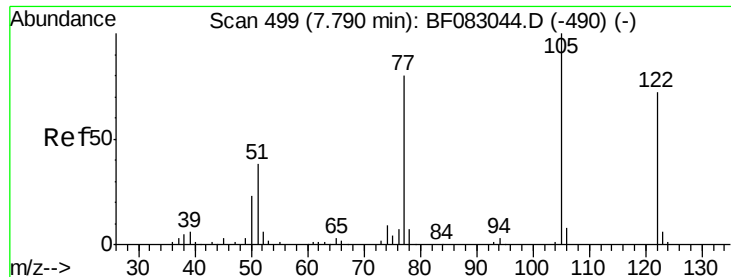


Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 107.00 (106.70 to 107.70): BF0

Ion 121.00 (120.70 to 121.70): BF0

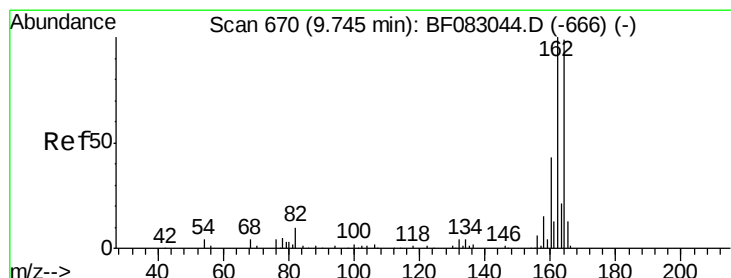
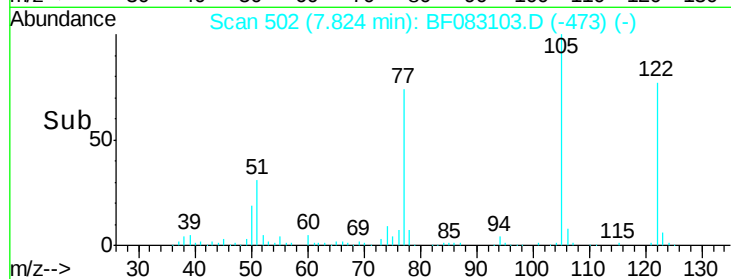
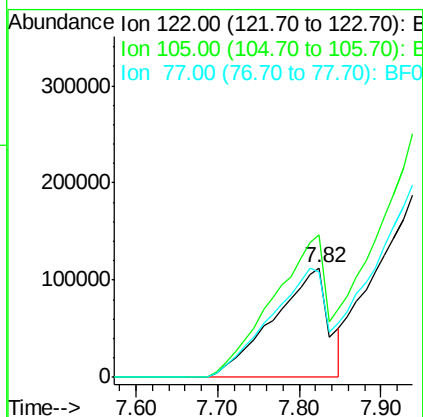
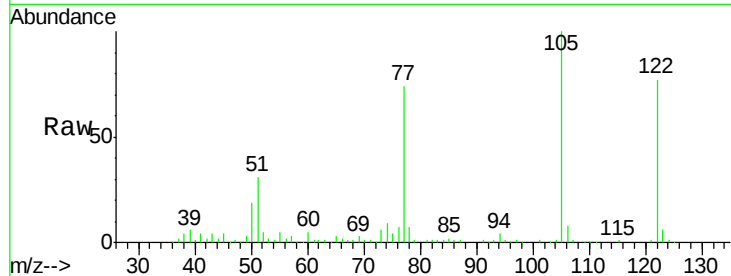




#32
Benzoic acid
Concen: 101.39 ng
RT: 7.82 min Scan# 502
Delta R.T. 0.03 min
Lab File: BF083103.D
Acq: 21 Nov 2015 4:31

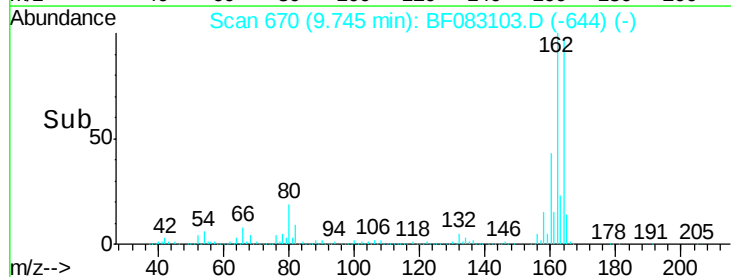
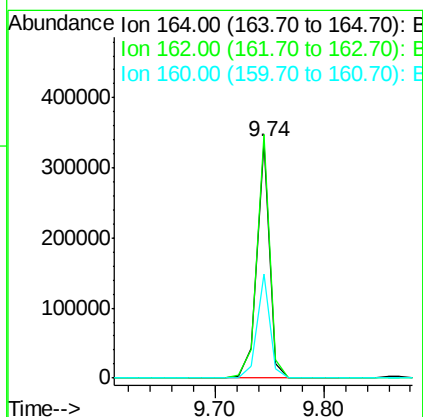
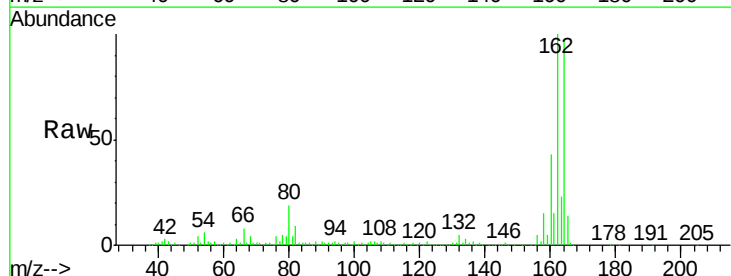
Instrument :
BNA_F
ClientSampled :

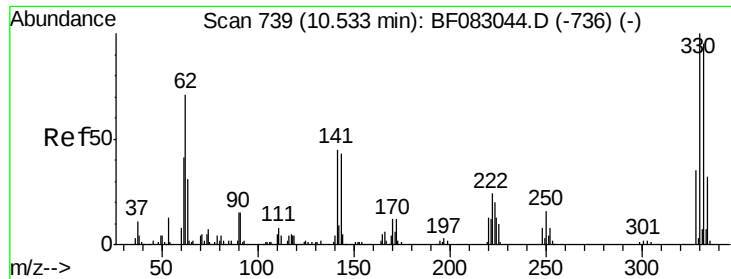
Tot Ion:122 Resp: 527481
Ion Ratio Lower Upper
122 100
105 129.9 115.0 155.0
77 96.5 89.0 129.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF083103.D
Acq: 21 Nov 2015 4:31

Tgt Ion:164 Resp: 278499
Ion Ratio Lower Upper
164 100
162 103.1 80.5 120.7
160 44.0 35.0 52.4

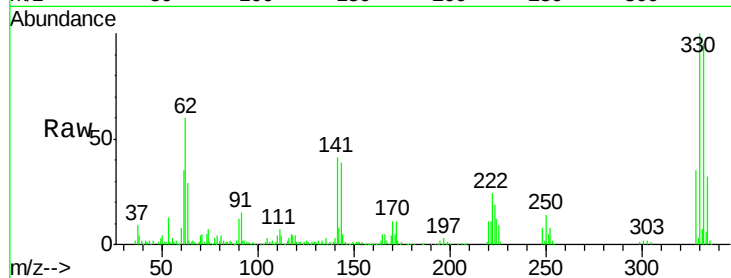




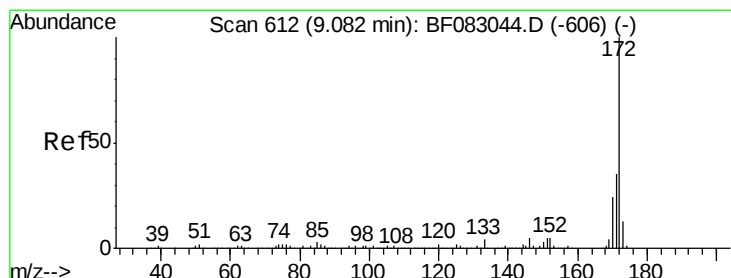
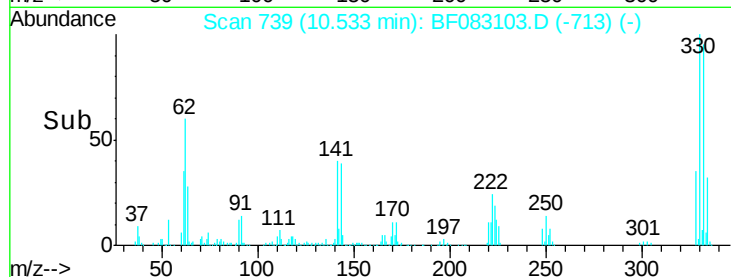
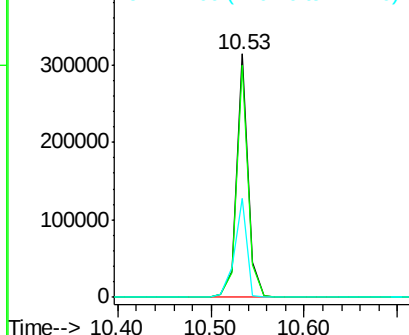
#41
 2,4,6-Tribromophenol
 Concen: 92.99 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083103.D
 Acq: 21 Nov 2015 4:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 274978
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.6 116.4
 141 45.2 34.6 52.0

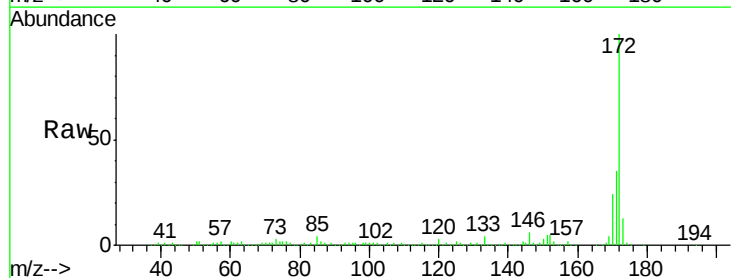


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

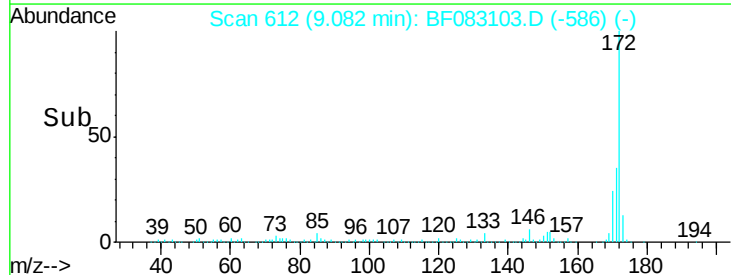
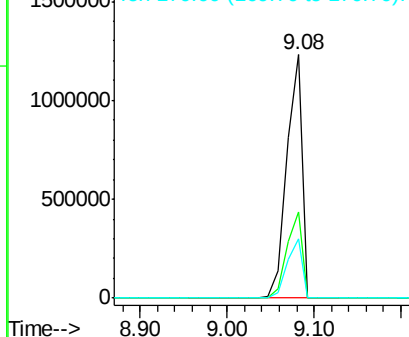


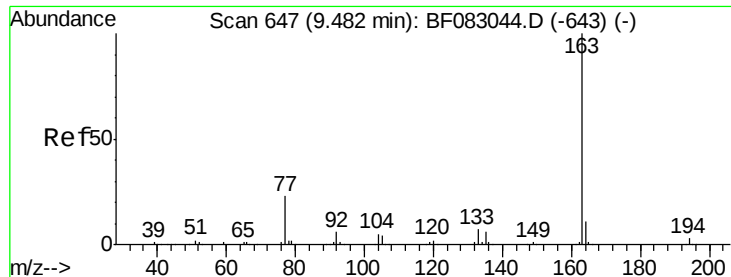
#44
 2-Fluorobiphenyl
 Concen: 73.09 ng
 RT: 9.08 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF083103.D
 Acq: 21 Nov 2015 4:31

Tgt Ion:172 Resp: 1511358
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.2 42.4
 170 24.4 19.4 29.0



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

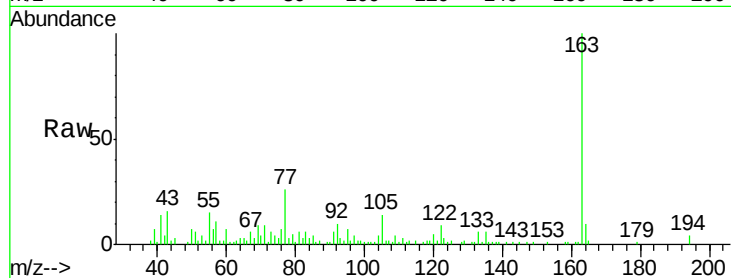




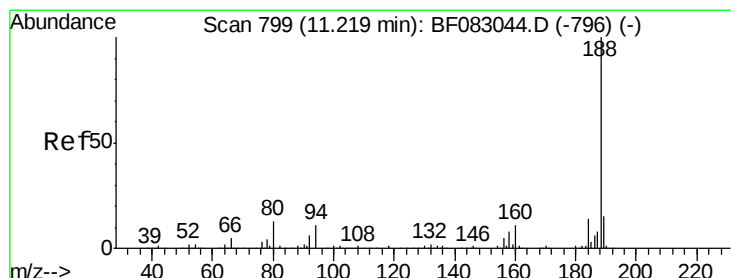
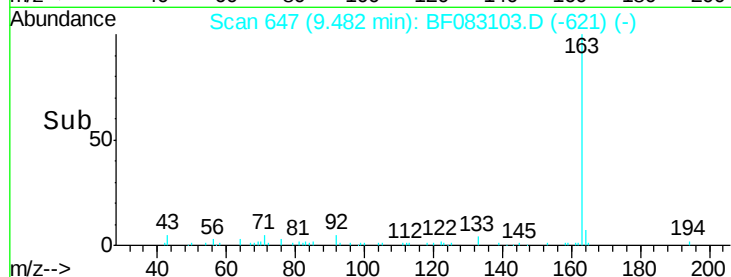
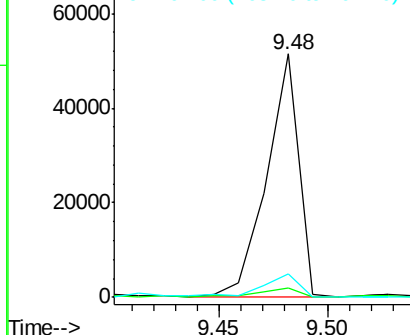
#49
Dimethylphthalate
Concen: 2.33 ng
RT: 9.48 min Scan# 647
Delta R.T. 0.00 min
Lab File: BF083103.D
Acq: 21 Nov 2015 4:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 53317
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.8 8.5 12.7

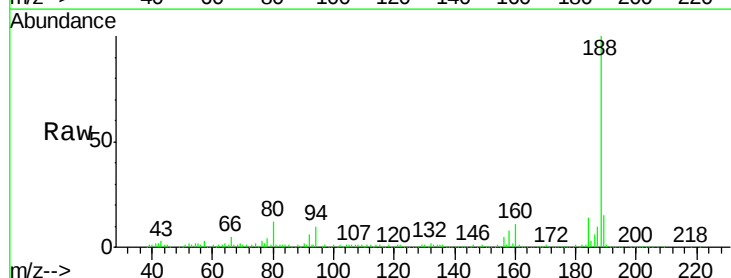


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

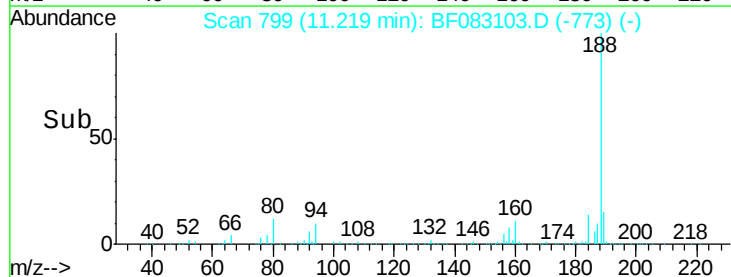
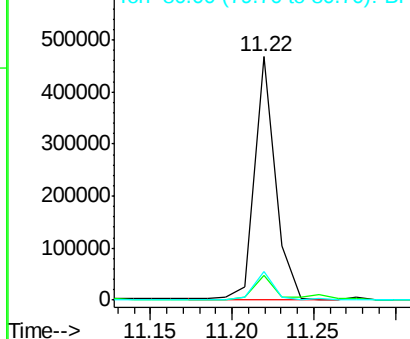


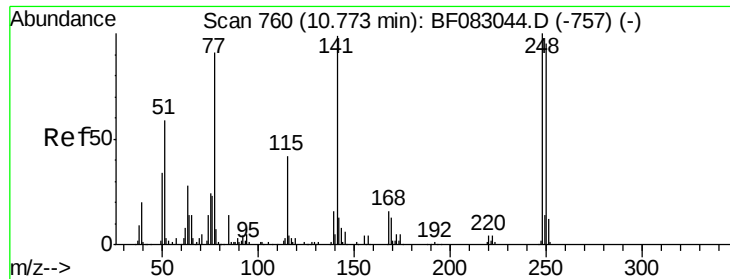
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF083103.D
Acq: 21 Nov 2015 4:31

Tgt Ion:188 Resp: 411008
Ion Ratio Lower Upper
188 100
94 10.1 9.0 13.4
80 11.9 10.2 15.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

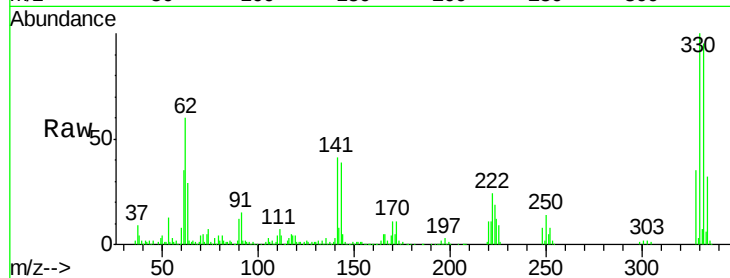




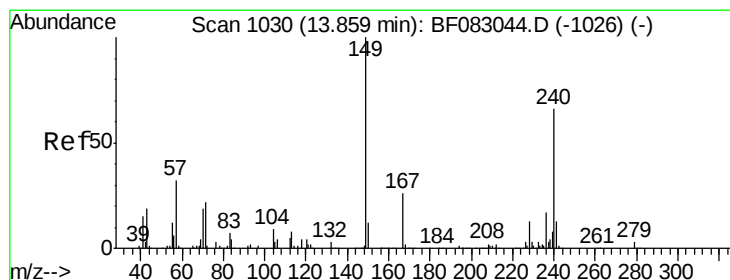
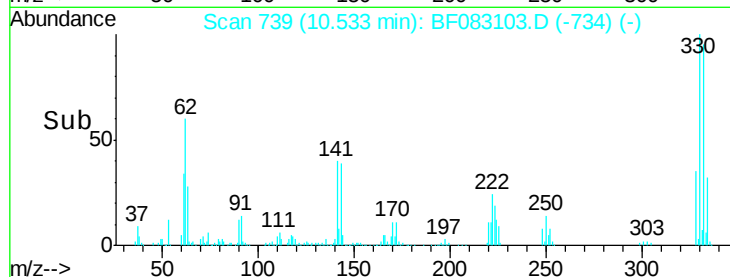
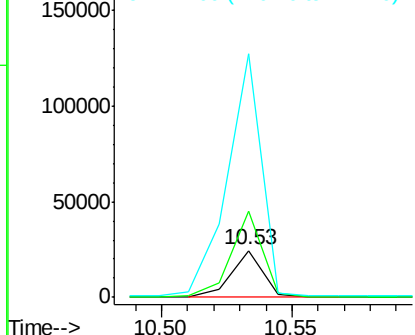
#66
4-Bromophenyl-phenylether
Concen: 4.34 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.24 min
Lab File: BF083103.D
Acq: 21 Nov 2015 4:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 20661
Ion Ratio Lower Upper
248 100
250 185.5 76.1 114.1#
141 520.4 79.2 118.8#

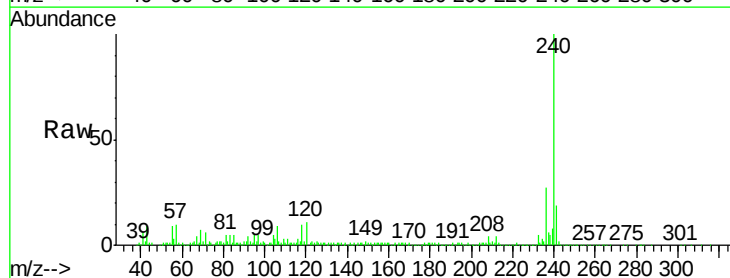


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

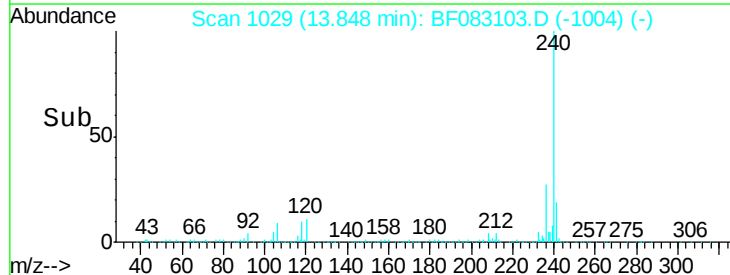
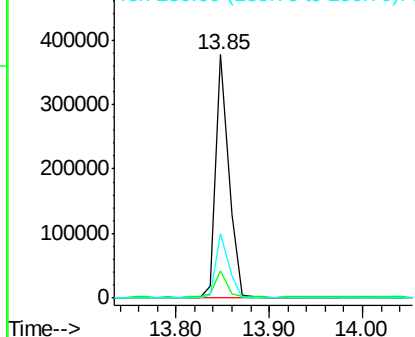


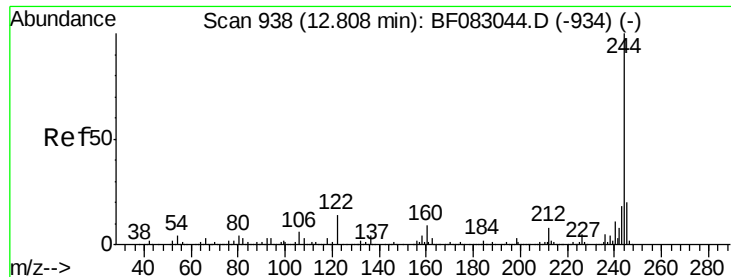
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF083103.D
Acq: 21 Nov 2015 4:31

Tgt Ion:240 Resp: 367208
Ion Ratio Lower Upper
240 100
120 11.1 5.3 7.9#
236 26.6 20.4 30.6



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: 61.95 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

Instrument :

BNA_F

ClientSampled :

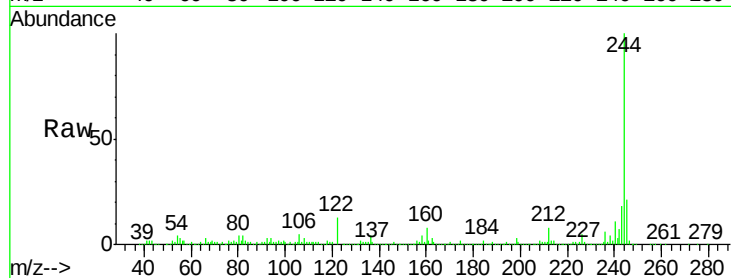
Tot Ion:244 Resp: 963596

Ion Ratio Lower Upper

244 100

212 8.4 6.4 9.6

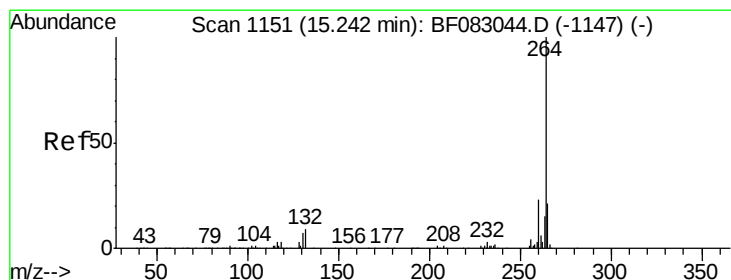
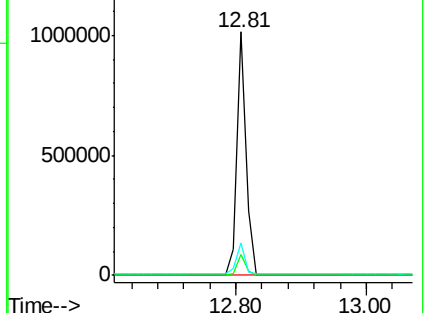
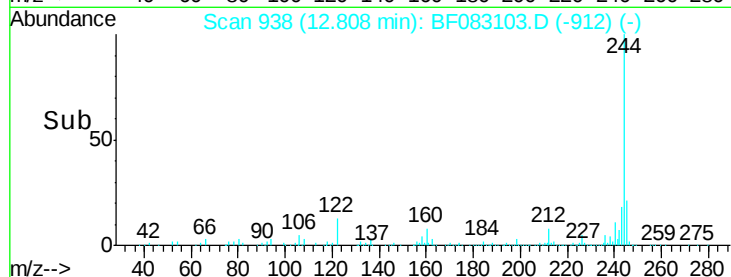
122 13.2 10.9 16.3



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: 20.00 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF083103.D

Acq: 21 Nov 2015 4:31

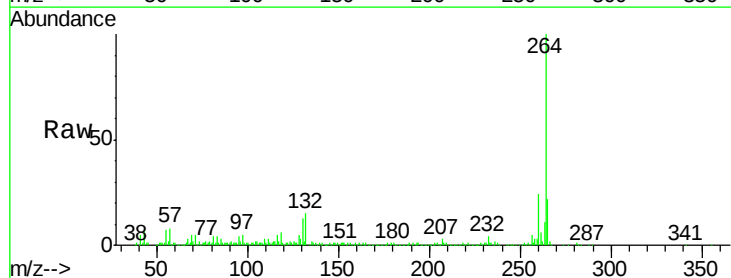
Tgt Ion:264 Resp: 280997

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 21.7 17.0 25.6



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

