

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031817\
 Data File : BF093745.D
 Acq On : 18 Mar 2017 11:16
 Operator : SJ/MA
 Sample : I2263-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-101D

Quant Time: Mar 20 01:06:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 05:21:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	203546	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	761110	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	354906	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	681581	20.00	ng	0.00
75) Chrysene-d12	13.99	240	592291	20.00	ng	-0.01
86) Perylene-d12	15.40	264	468905	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	743231	60.88	ng	0.00
7) Phenol-d6	6.47	99	644902	42.62	ng	-0.01
23) Nitrobenzene-d5	7.41	82	1119682	88.29	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	383883	165.27	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	2059054	109.48	ng	0.00
78) Terphenyl-d14	12.95	244	1631785	59.30	ng	0.00

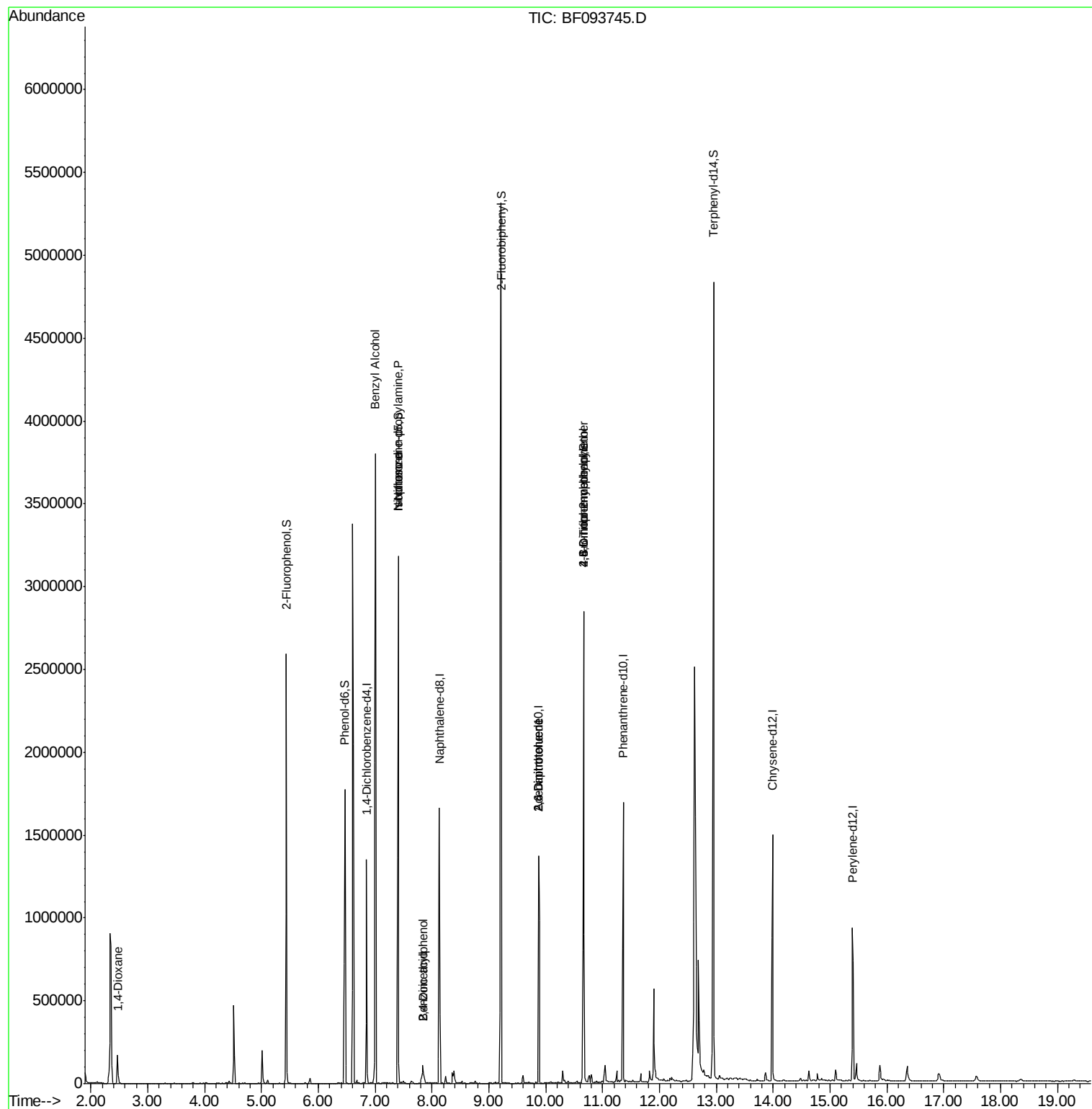
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.47	88	98236	15.58	ng	99
9) Benzaldehyde	6.47	77	1191	Below Cal	#	1
15) Benzyl Alcohol	7.01	79	32256	2.85	ng	41
19) n-Nitroso-di-n-propylamine	7.41	70	150950	15.02	ng	81
25) Isophorone	7.41	82	1094086	44.82	ng	67
27) 2,4-Dimethylphenol	7.84	122	37777	3.18	ng	5
32) Benzoic acid	7.84	122	37777	8.59	ng	97
50) 2,6-Dinitrotoluene	9.88	165	45645	9.12	ng	34
56) 2,4-Dinitrotoluene	9.88	165	45648	6.85	ng	33
64) 4,6-Dinitro-2-methylphenol	10.66	198	639	4.09	ng	1
66) 4-Bromophenyl-phenylether	10.66	248	24447	3.79	ng	1

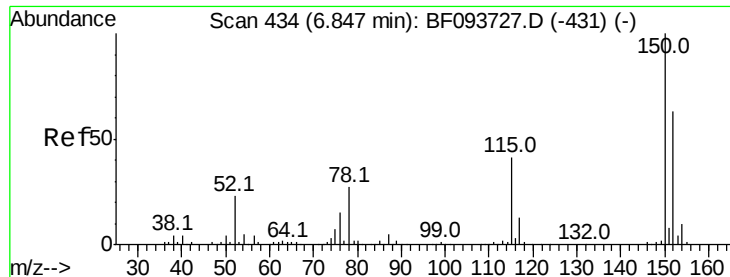
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 434

Delta R.T. -0.00 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

Instrument :

BNA_F

ClientSampleId :

MW-101D

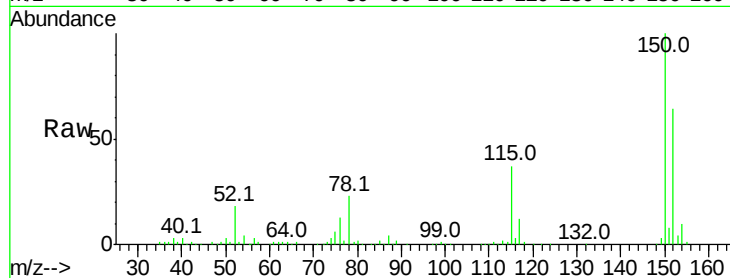
Tot Ion:152 Resp: 203546

Ion Ratio Lower Upper

152 100

150 156.5 126.2 189.2

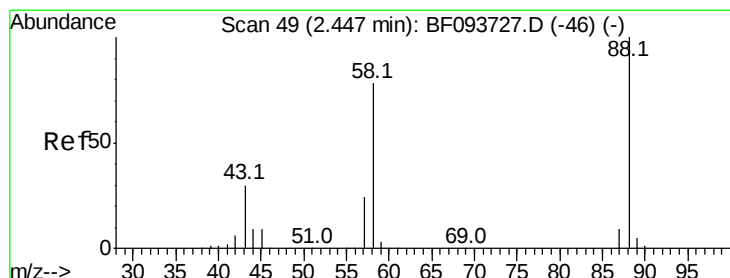
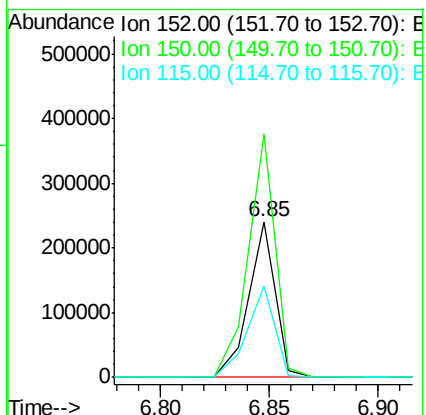
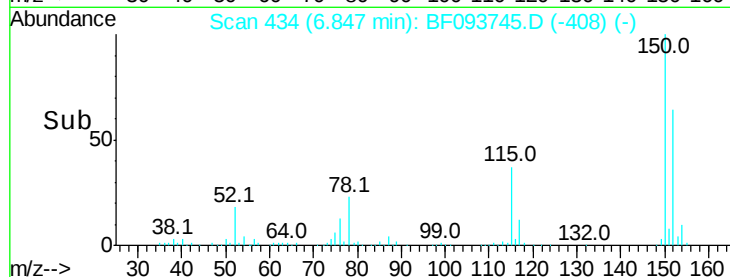
115 58.6 52.2 78.2



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



#2

1,4-Dioxane

Concen: 15.58 ng

RT: 2.47 min Scan# 51

Delta R.T. 0.02 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

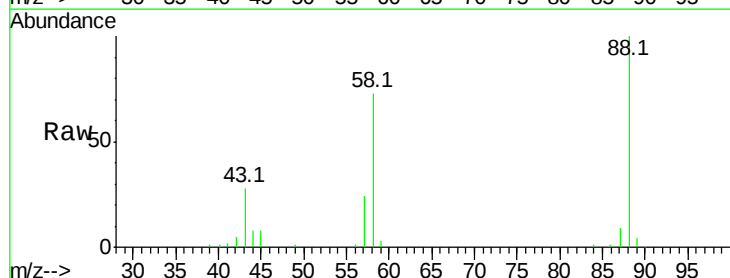
Tgt Ion: 88 Resp: 98236

Ion Ratio Lower Upper

88 100

58 76.6 61.4 92.0

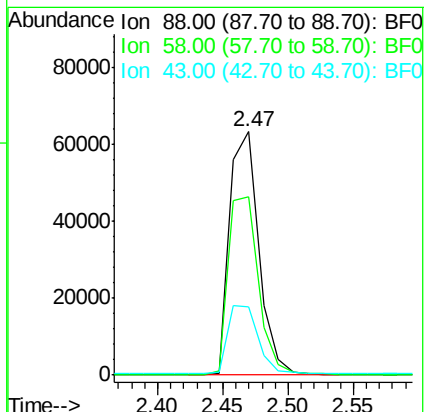
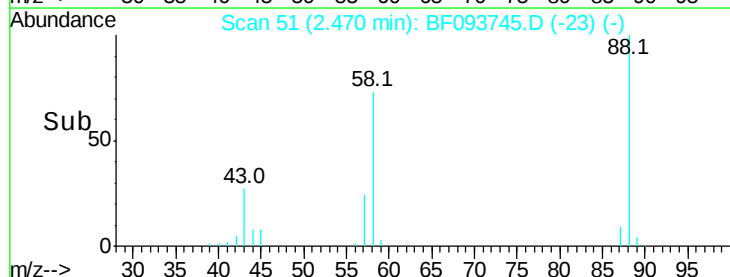
43 30.0 23.4 35.0

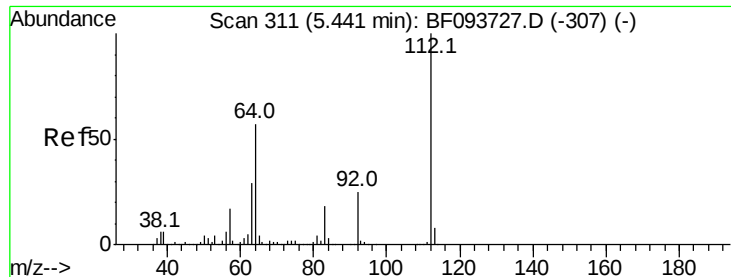


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

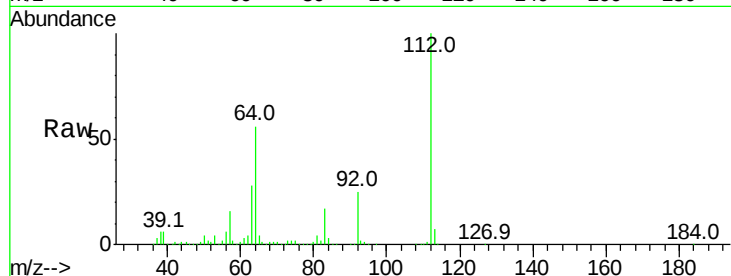




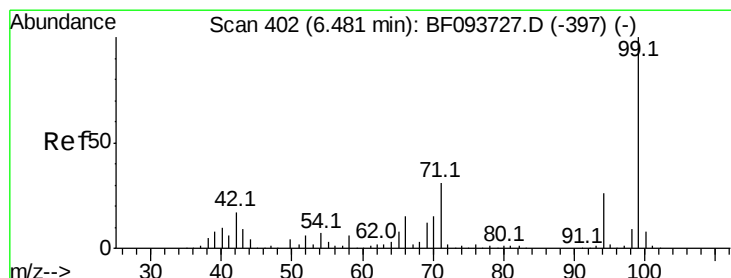
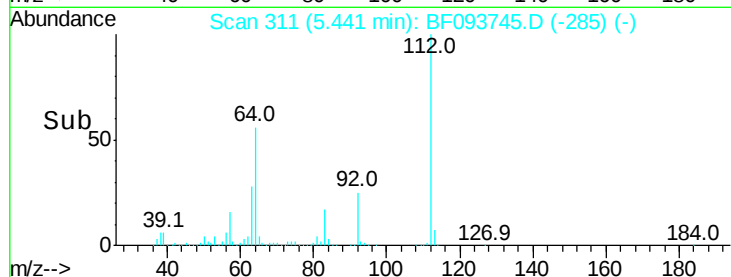
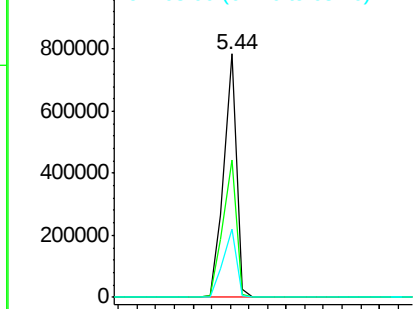
#5
2-Fluorophenol
Concen: 60.88 ng
RT: 5.44 min Scan# 311
Delta R.T. -0.00 min
Lab File: BF093745.D
Acq: 18 Mar 2017 11:16

Instrument :
BNA_F
ClientSampleId :
MW-101D

Tot Ion:112 Resp: 743231
Ion Ratio Lower Upper
112 100
64 56.4 46.0 69.0
63 28.1 23.4 35.0

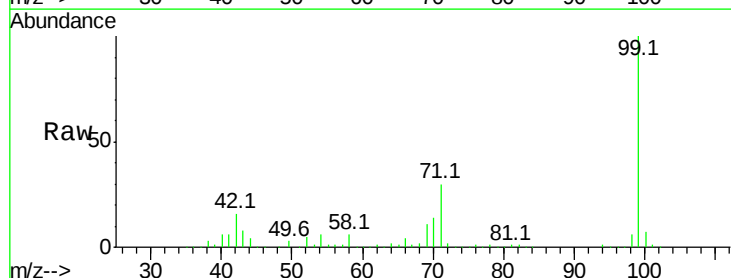


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0

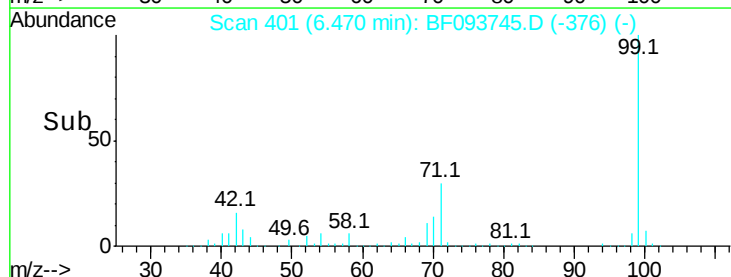
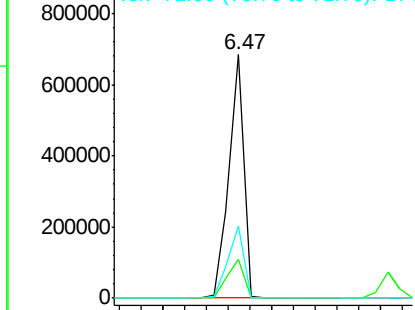


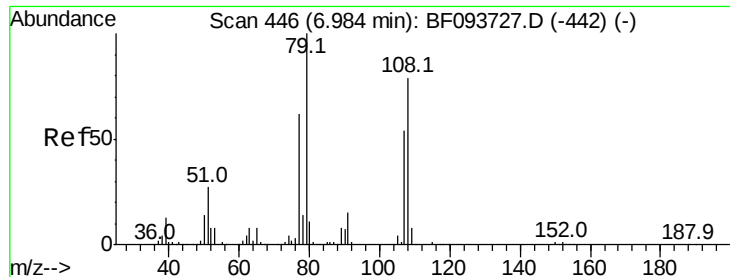
#7
Phenol-d6
Concen: 42.62 ng
RT: 6.47 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF093745.D
Acq: 18 Mar 2017 11:16

Tgt Ion: 99 Resp: 644902
Ion Ratio Lower Upper
99 100
42 15.8 13.5 20.3
71 29.8 24.5 36.7



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





#15

Benzyl Alcohol

Concen: 2.85 ng

RT: 7.01 min Scan# 448

Delta R.T. 0.02 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

Instrument :

BNA_F

ClientSampled :

MW-101D

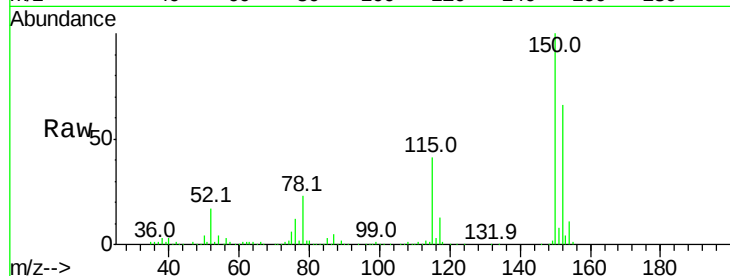
Tot Ion: 79 Resp: 32256

Ion Ratio Lower Upper

79 100

108 37.0 63.4 95.0#

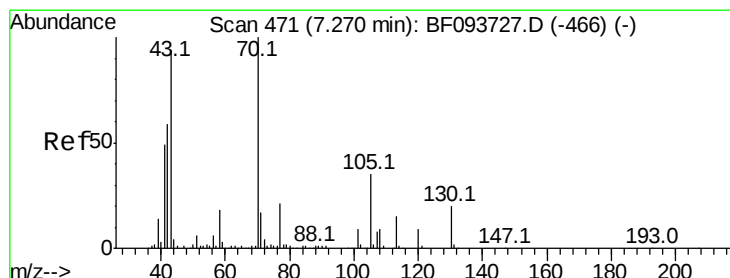
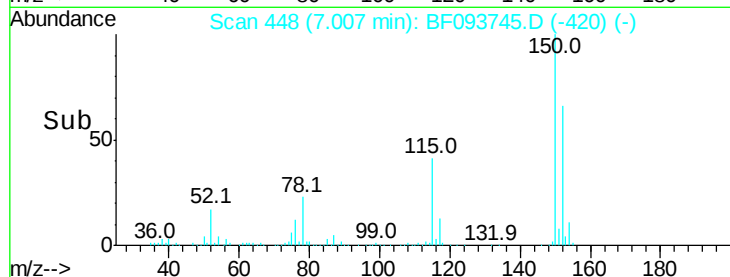
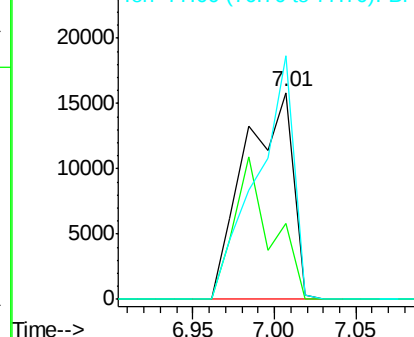
77 117.7 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.02 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.14 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

Tgt Ion: 70 Resp: 150950

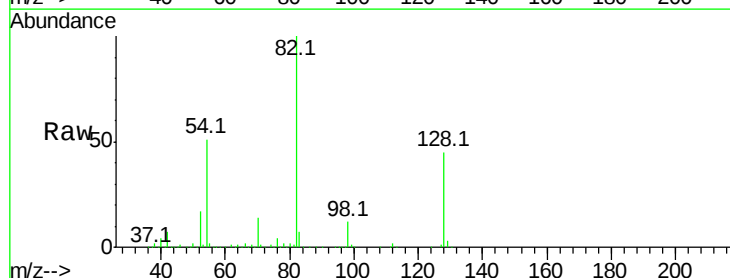
Ion Ratio Lower Upper

70 100

42 50.4 47.2 70.8

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

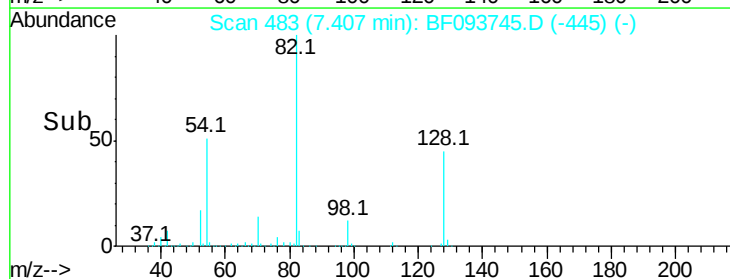
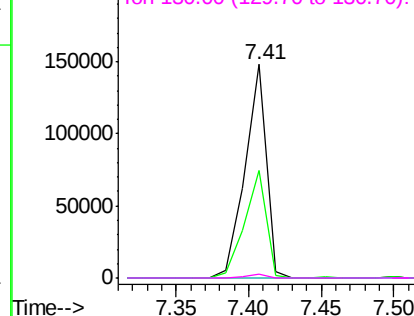


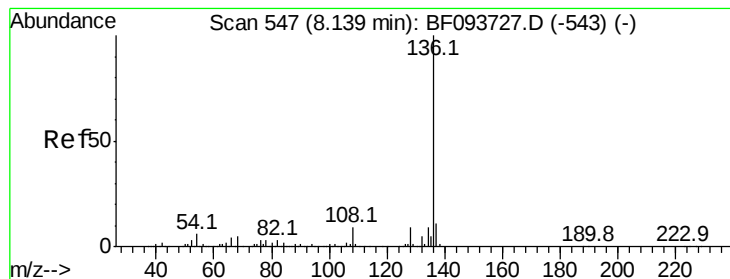
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

Instrument :

BNA_F

ClientSampleId :

MW-101D

Tot Ion:136 Resp: 761110

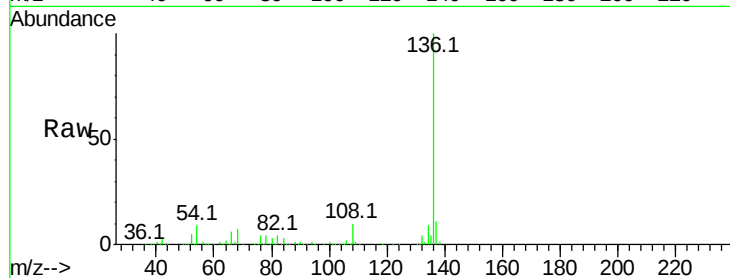
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 9.2 4.9 7.3#

68 7.2 4.1 6.1#

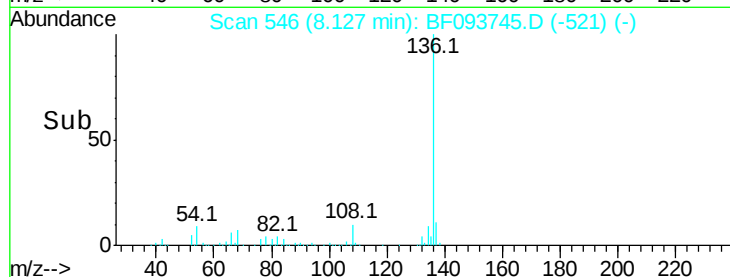


Abundance Ion 136.00 (135.70 to 136.70): E

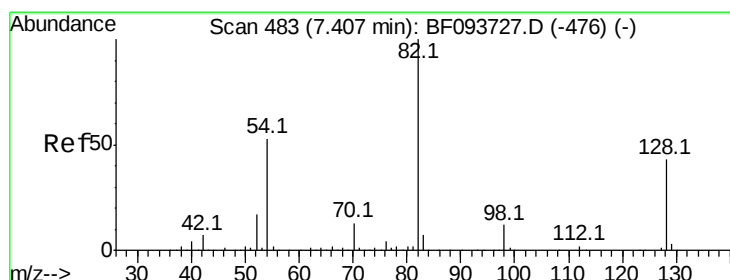
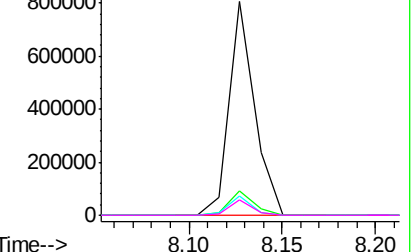
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 88.29 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

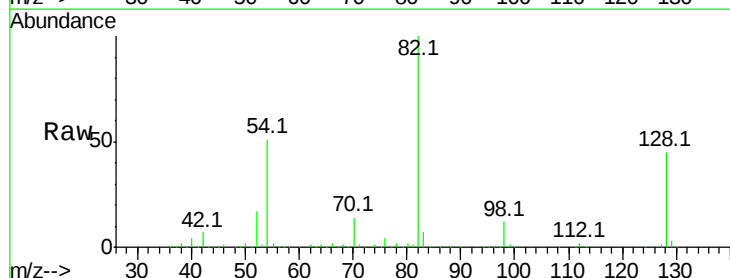
Tgt Ion: 82 Resp: 1119682

Ion Ratio Lower Upper

82 100

128 45.0 34.0 51.0

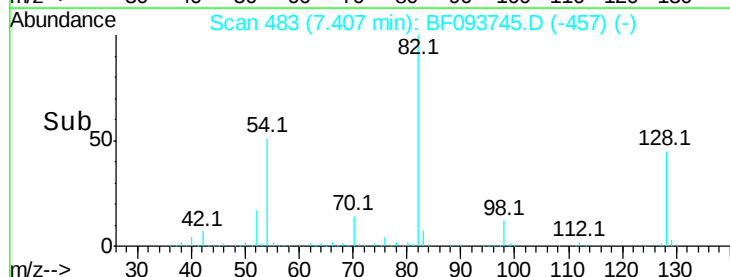
54 51.4 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

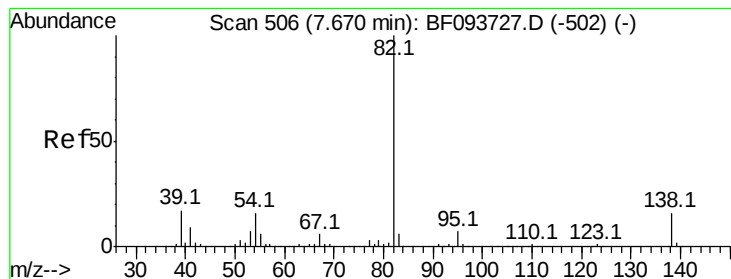
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 44.82 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.26 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

Instrument :

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MW-101D

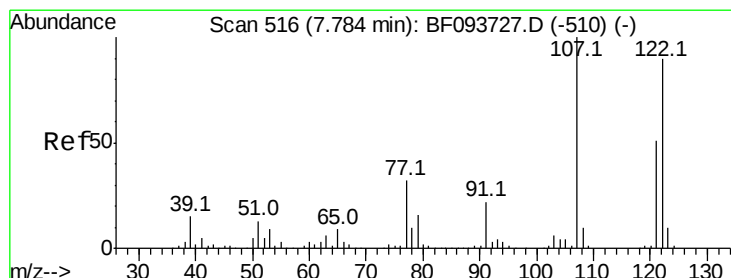
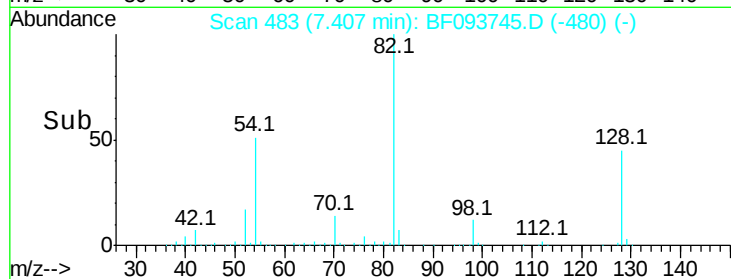
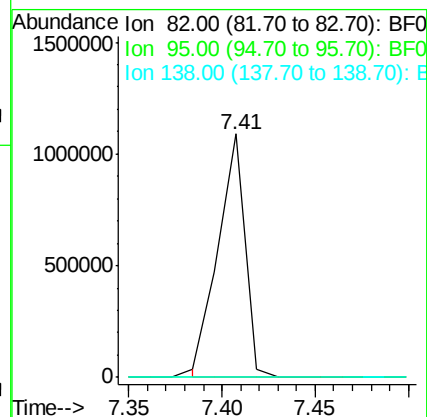
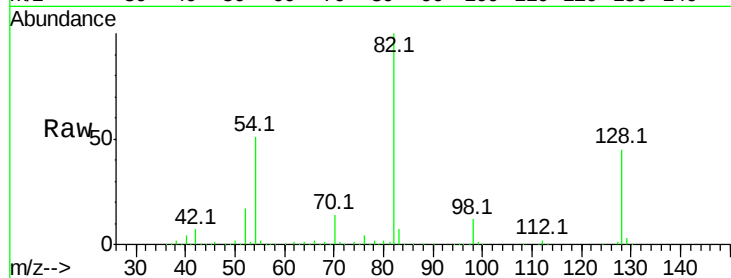
Tot Ion: 82 Resp: 1094086

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#27

2,4-Dimethylphenol

Concen: 3.18 ng

RT: 7.84 min Scan# 521

Delta R.T. 0.06 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

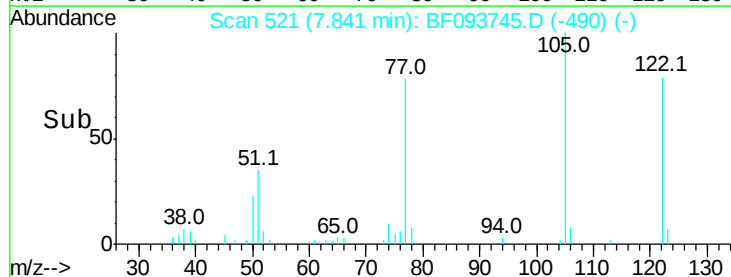
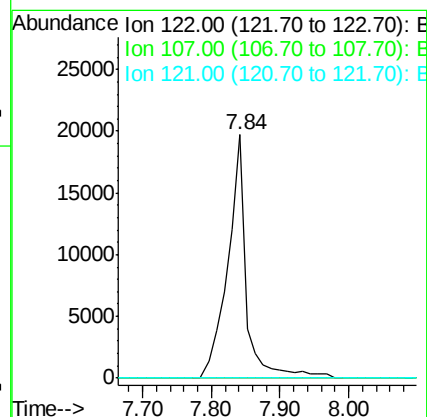
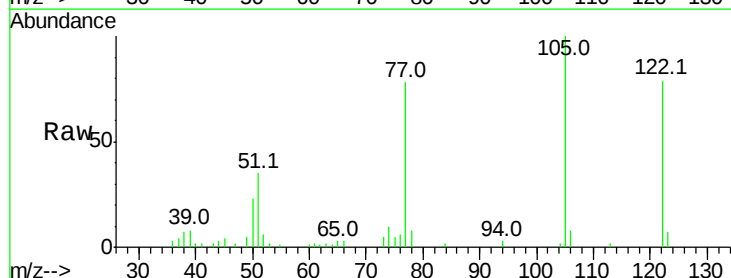
Tgt Ion:122 Resp: 37777

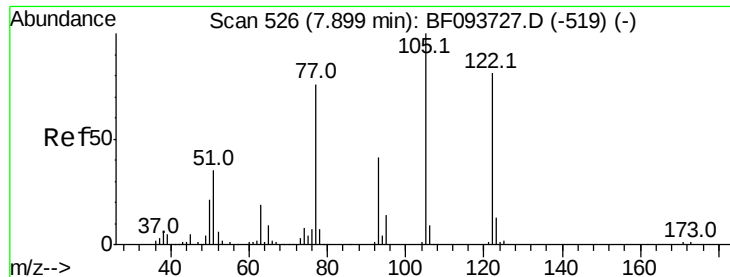
Ion Ratio Lower Upper

122 100

107 0.0 89.2 133.8#

121 0.0 45.2 67.8#





#32

Benzoic acid

Concen: 8.59 ng

RT: 7.84 min Scan# 521

Delta R.T. -0.06 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

Instrument :

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MW-101D

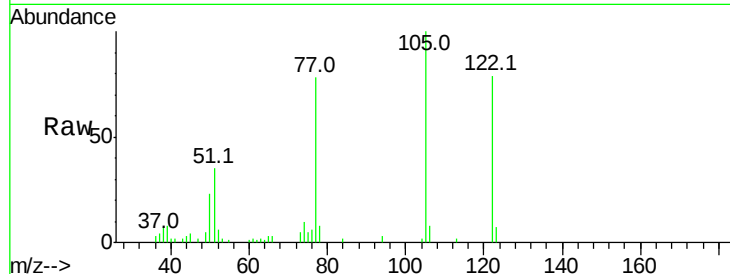
Tot Ion:122 Resp: 37777

Ion Ratio Lower Upper

122 100

105 125.9 103.3 143.3

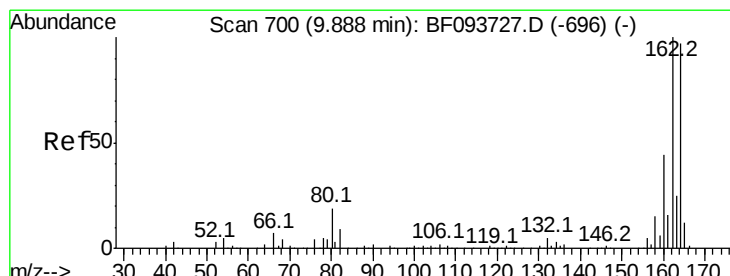
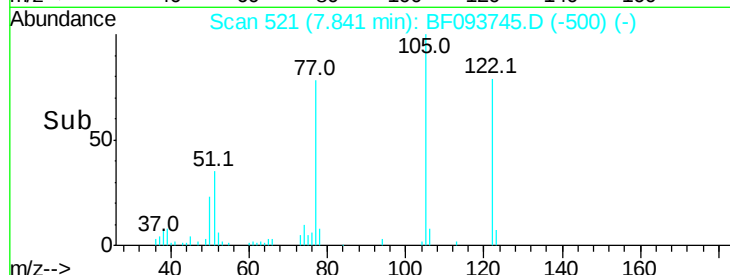
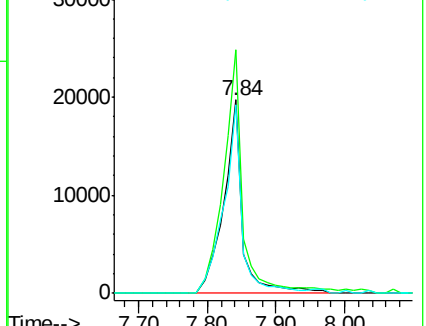
77 97.8 73.7 113.7



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

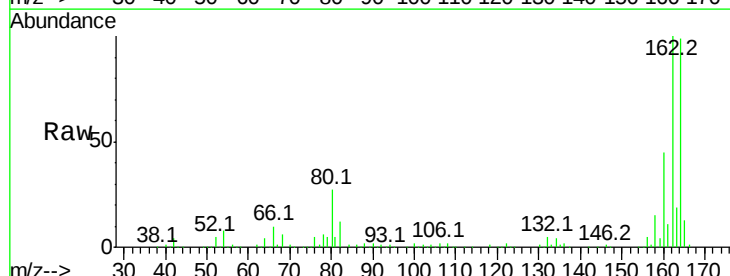
Tgt Ion:164 Resp: 354906

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

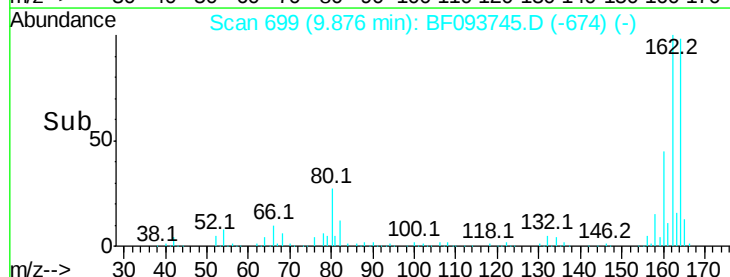
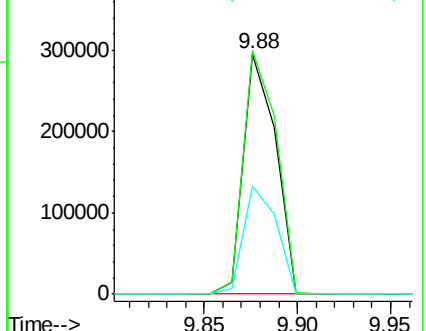
160 45.1 36.2 54.2

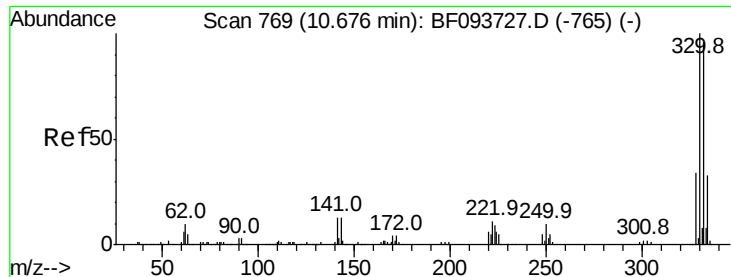


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

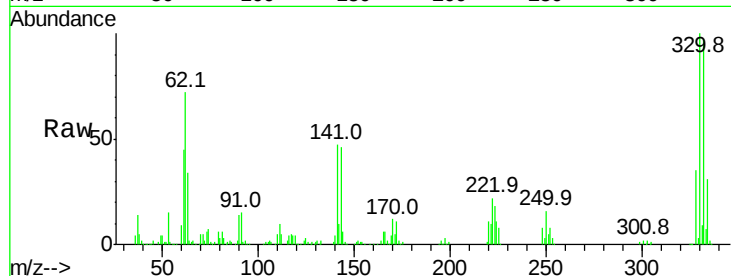




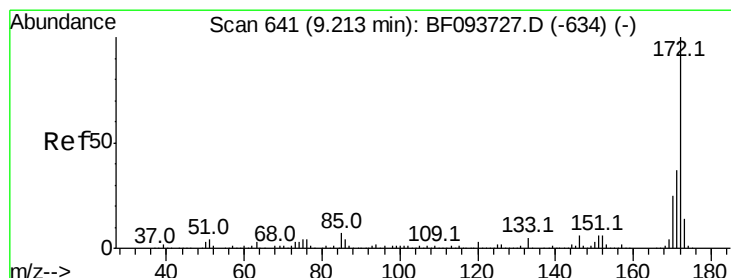
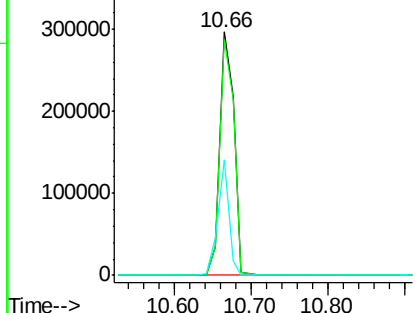
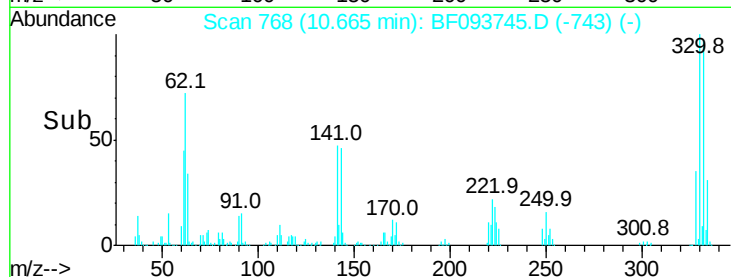
#41
 2,4,6-Tribromophenol
 Concen: 165.27 ng
 RT: 10.66 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF093745.D
 Acq: 18 Mar 2017 11:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-101D

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	115.0
141	37.5	31.4	47.2

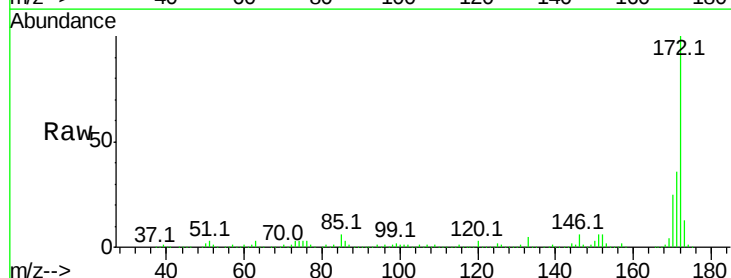


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

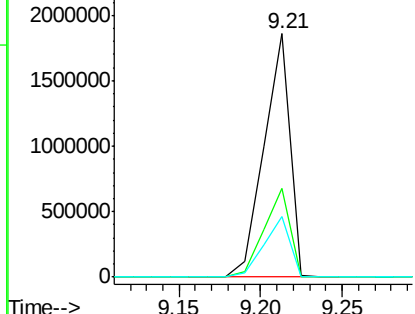
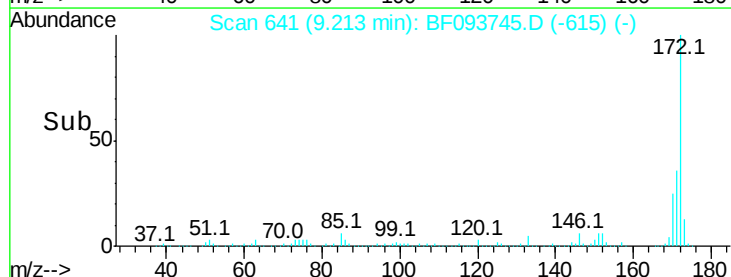


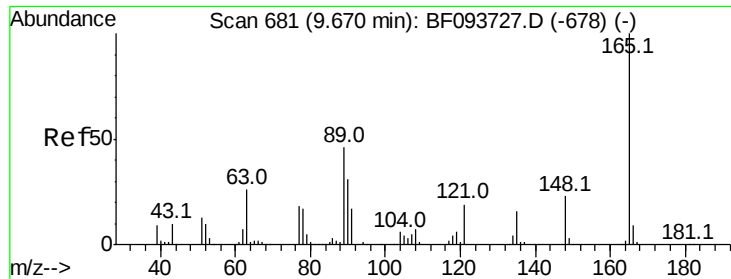
#44
 2-Fluorobiphenyl
 Concen: 109.48 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093745.D
 Acq: 18 Mar 2017 11:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.8	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

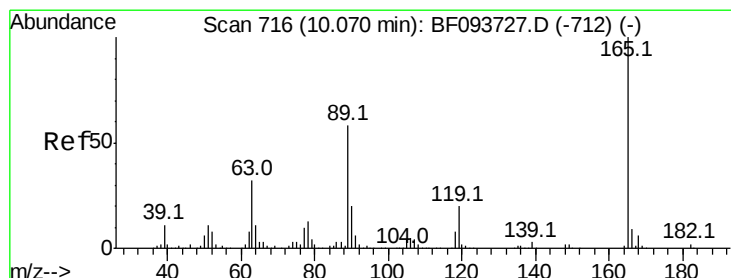
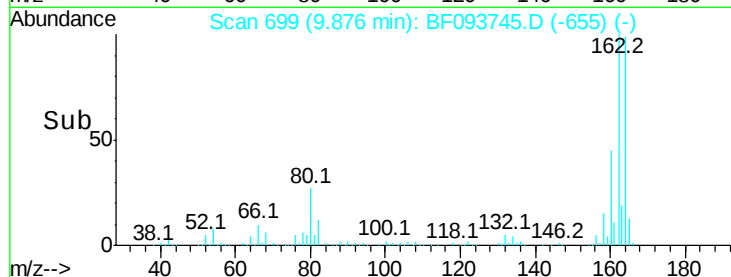
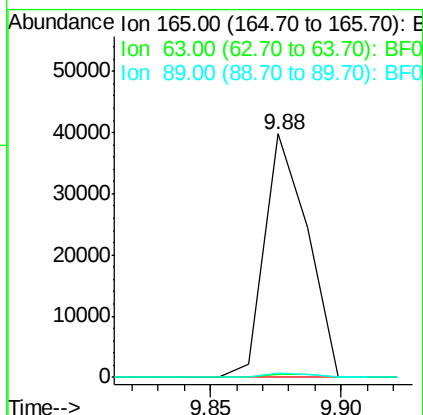
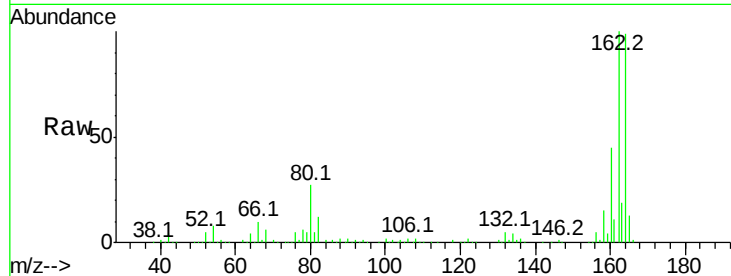




#50
 2,6-Dinitrotoluene
 Concen: 9.12 ng
 RT: 9.88 min Scan# 699
 Delta R.T. 0.21 min
 Lab File: BF093745.D
 Acq: 18 Mar 2017 11:16

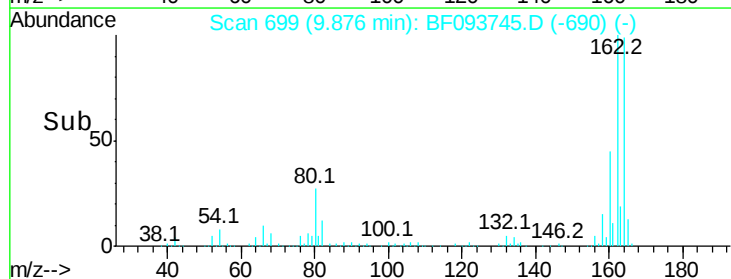
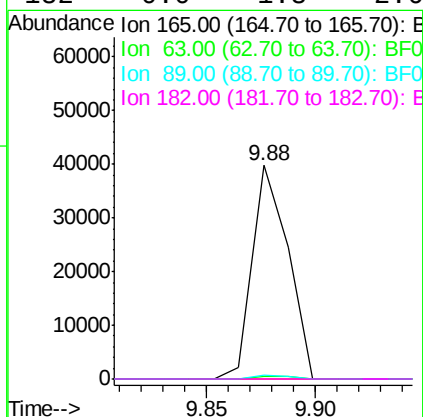
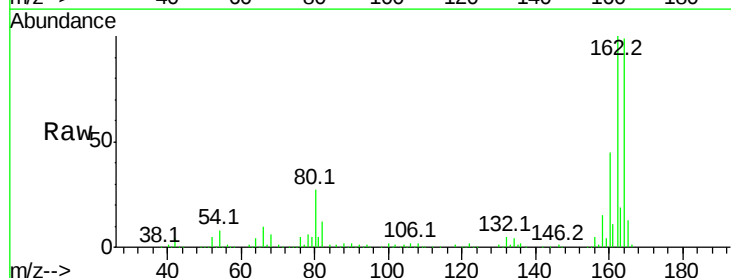
Instrument :
 BNA_F
 ClientSampled :
 MW-101D

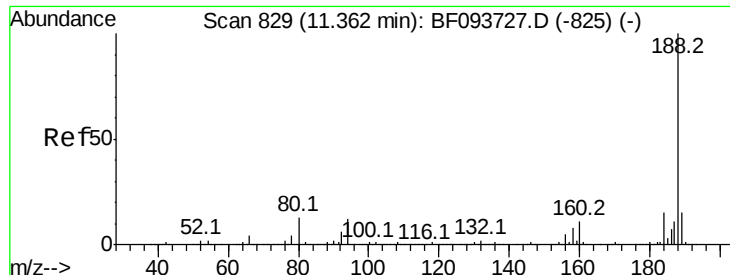
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.3	51.5#
89	1.9	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.85 ng
 RT: 9.88 min Scan# 699
 Delta R.T. -0.19 min
 Lab File: BF093745.D
 Acq: 18 Mar 2017 11:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#

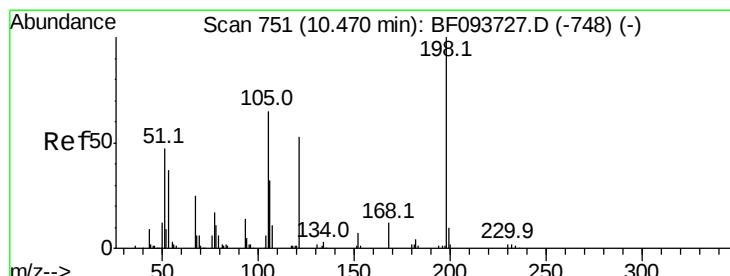
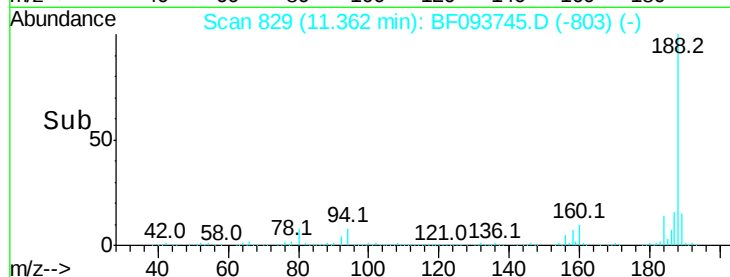
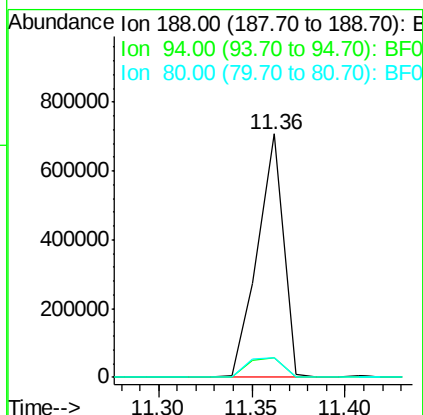
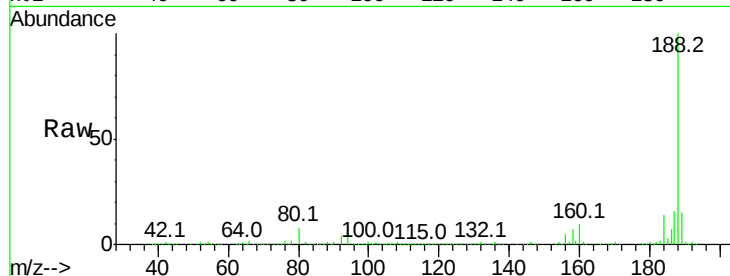




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF093745.D
Acq: 18 Mar 2017 11:16

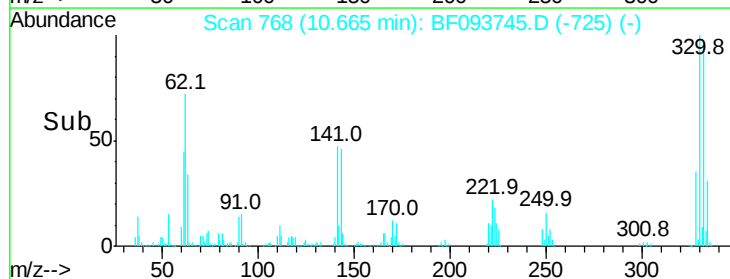
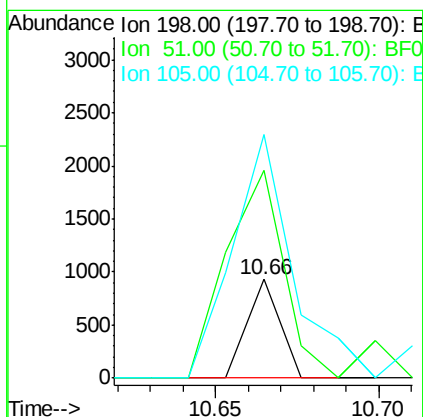
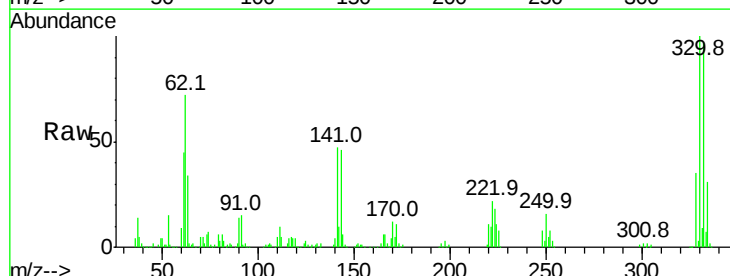
Instrument :
BNA_F
ClientSampleId :
MW-101D

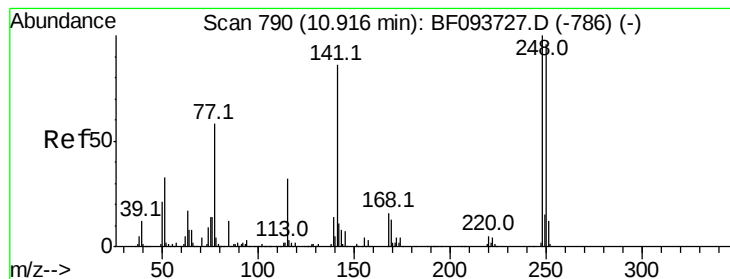
Tot Ion:188 Resp: 681581
Ion Ratio Lower Upper
188 100
94 7.9 9.4 14.2#
80 8.2 10.2 15.2#



#64
4,6-Dinitro-2-methylphenol
Concen: 4.09 ng
RT: 10.66 min Scan# 768
Delta R.T. 0.19 min
Lab File: BF093745.D
Acq: 18 Mar 2017 11:16

Tgt Ion:198 Resp: 639
Ion Ratio Lower Upper
198 100
51 210.5 53.2 93.2#
105 246.1 45.8 85.8#





#66

4-Bromophenyl-phenylether

Concen: 3.79 ng

RT: 10.66 min Scan# 768

Delta R.T. -0.25 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

Instrument :

BNA_F

ClientSampleId :

MW-101D

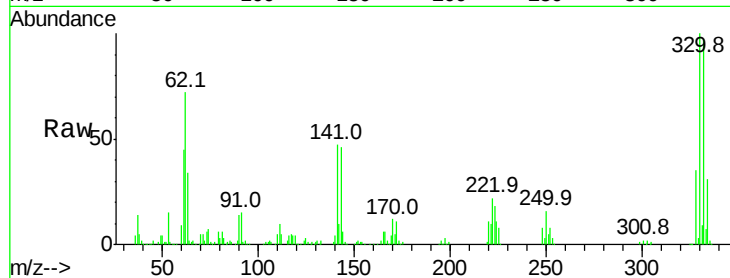
Tot Ion:248 Resp: 24447

Ion Ratio Lower Upper

248 100

250 197.4 76.8 115.2#

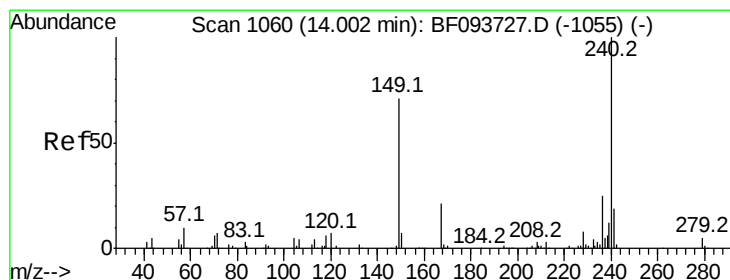
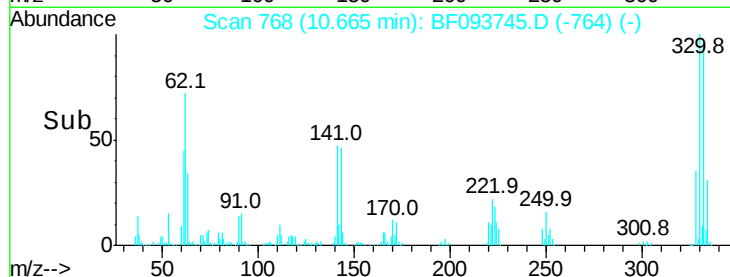
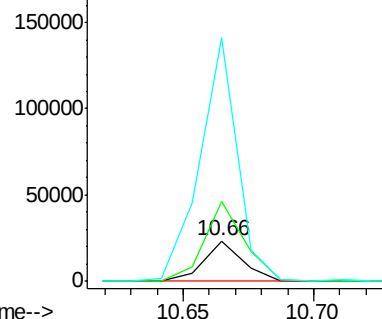
141 602.0 68.6 103.0#



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: 13.99 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

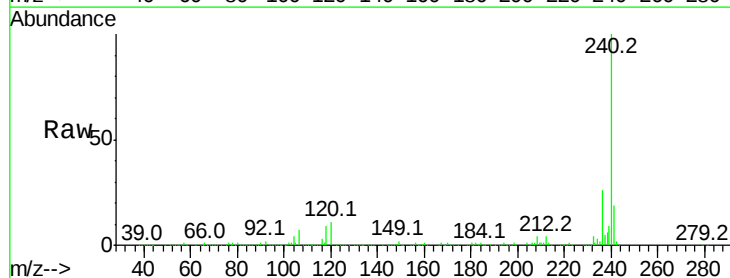
Tgt Ion:240 Resp: 592291

Ion Ratio Lower Upper

240 100

120 10.7 5.8 8.8#

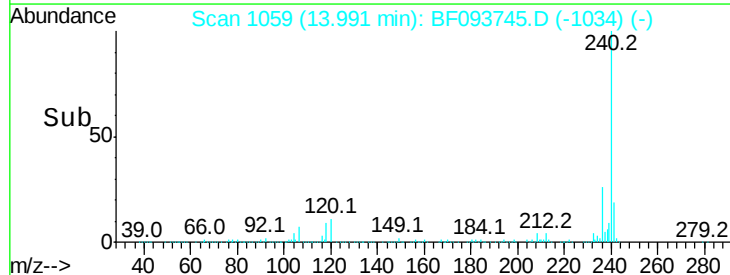
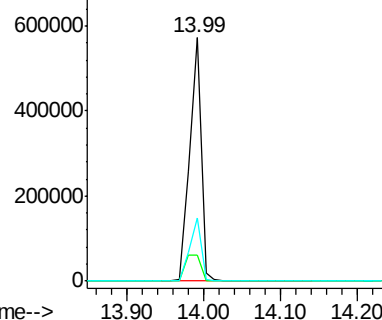
236 25.8 20.5 30.7

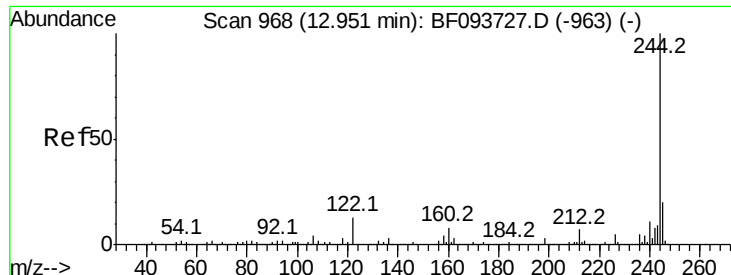


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 59.30 ng

RT: 12.95 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

Instrument :

BNA_F

ClientSampleId :

MW-101D

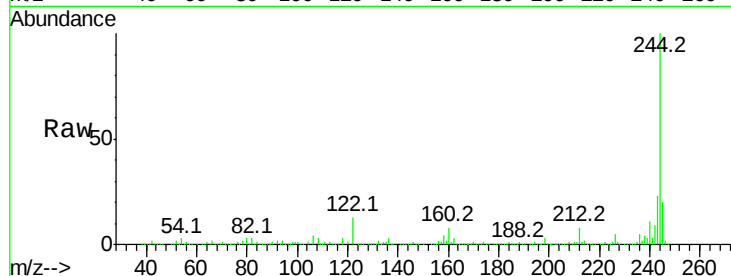
Tot Ion:244 Resp: 1631785

Ion Ratio Lower Upper

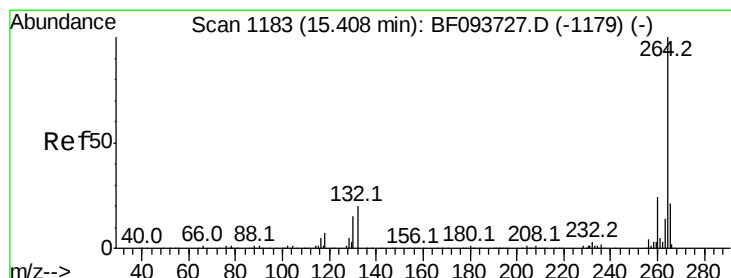
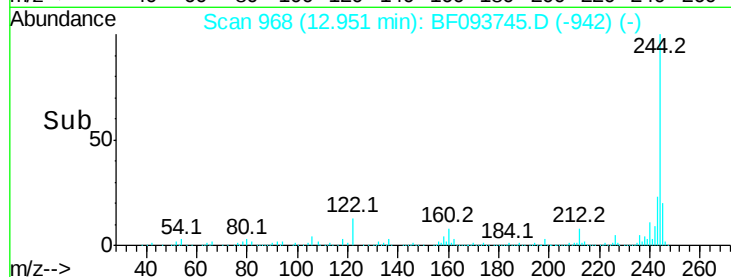
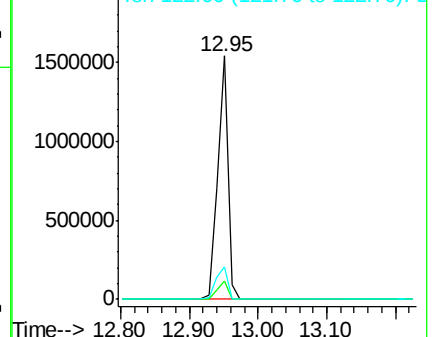
244 100

212 7.6 6.0 9.0

122 13.2 10.3 15.5



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: 15.40 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF093745.D

Acq: 18 Mar 2017 11:16

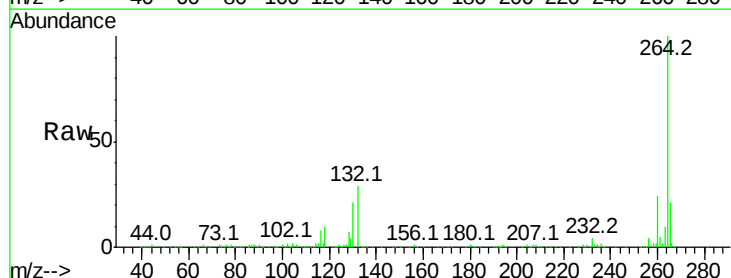
Tgt Ion:264 Resp: 468905

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 21.1 17.2 25.8



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

