

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091971.D
 Acq On : 27 Dec 2016 16:51
 Operator : UM/SJ
 Sample : H6241-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: Dec 27 23:59:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

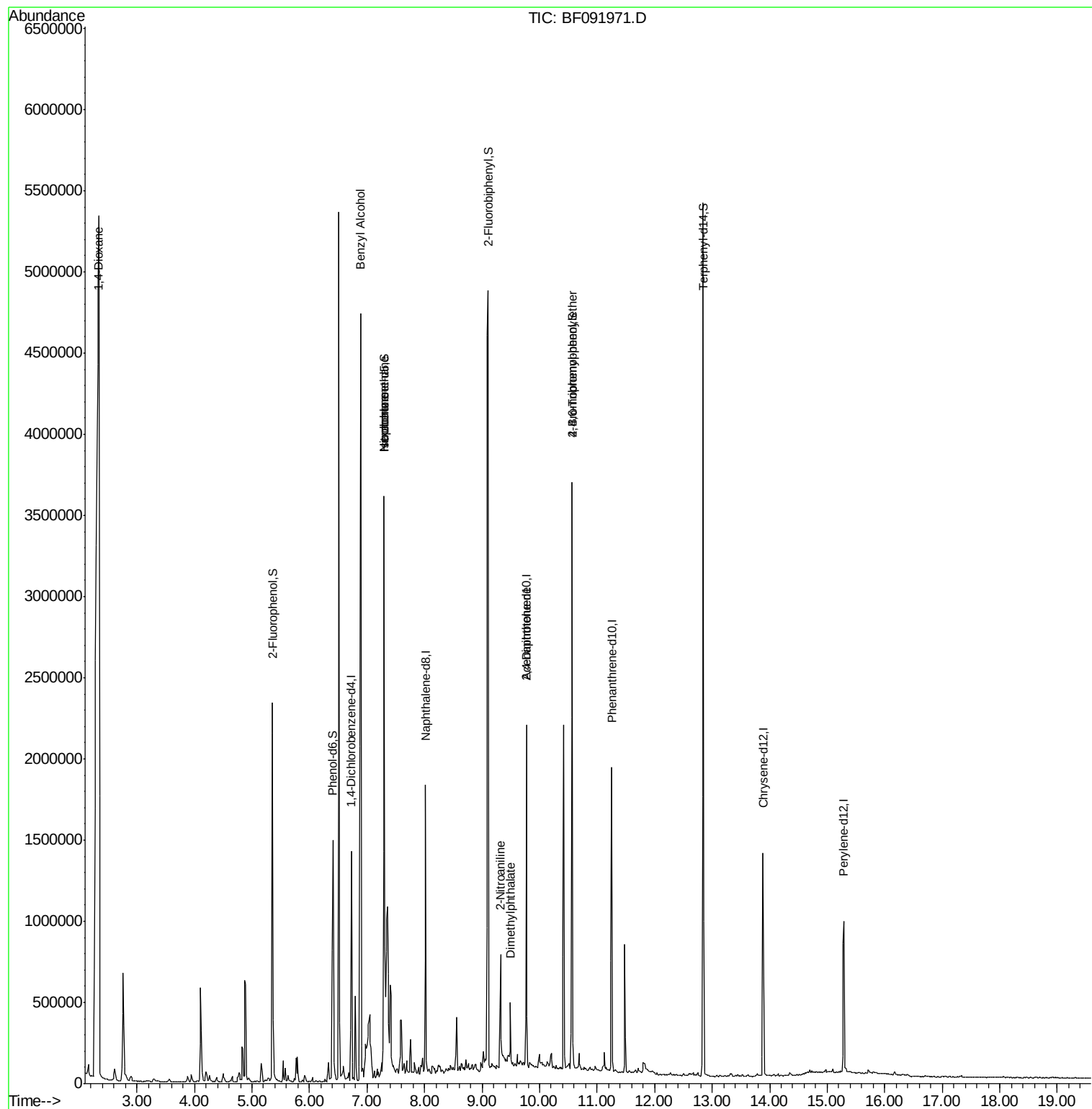
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	205991	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	859166	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	429858	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	728949	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	538125	20.00	ng	-0.02
86) Perylene-d12	15.29	264	499296	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1046258	84.81	ng	0.01
7) Phenol-d6	6.41	99	652474	43.32	ng	0.00
23) Nitrobenzene-d5	7.30	82	1332415	86.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	490198	137.80	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2397836	119.53	ng	-0.01
78) Terphenyl-d14	12.84	244	1803140	81.27	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.34	88	7182792	1182.62	ng	Qvalue 98
9) Benzaldehyde	6.27	77	1163	Below Cal	#	1
15) Benzyl Alcohol	6.89	79	27442	2.34	ng	# 36
18) Hexachloroethane	7.30	117	17196	3.04	ng	# 3
25) Isophorone	7.30	82	954019	33.47	ng	# 65
37) 2-Methylnaphthalene	8.73	142	846	Below Cal	#	47
47) 2-Nitroaniline	9.32	65	20364	2.45	ng	# 28
49) Dimethylphthalate	9.49	163	142216	5.17	ng	# 96
56) 2,4-Dinitrotoluene	9.77	165	57327	7.59	ng	# 21
66) 4-Bromophenyl-phenylether	10.57	248	33483	4.42	ng	# 1
71) Anthracene	11.32	178	1234	Below Cal	#	37
73) Di-n-butylphthalate	11.82	149	10723	Below Cal		98
74) Fluoranthene	12.47	202	517	Below Cal		61
76) Benzidine	12.49	184	2712	Below Cal	#	65

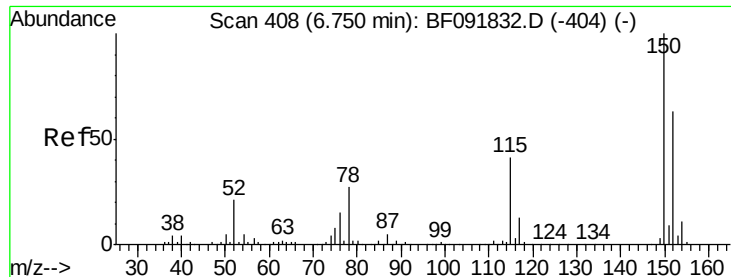
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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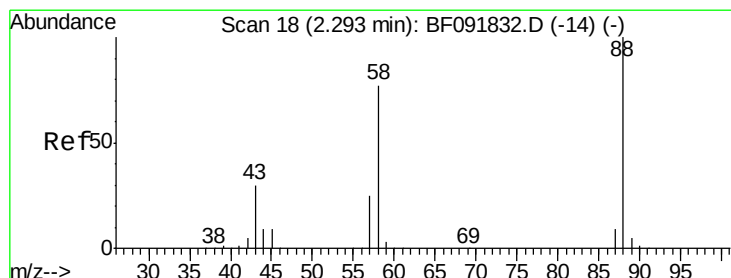
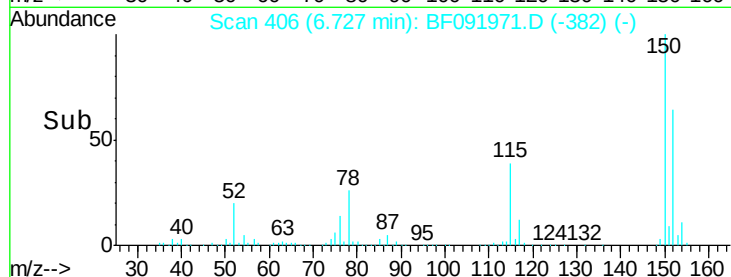
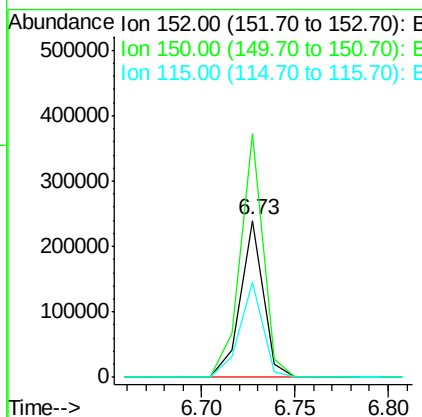
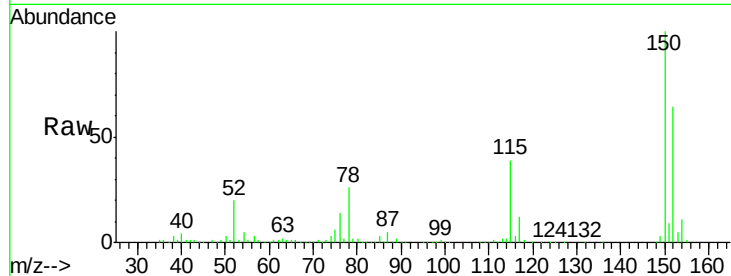




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.73 min Scan# 406
 Delta R.T. -0.02 min
 Lab File: BF091971.D
 Acq: 27 Dec 2016 16:51

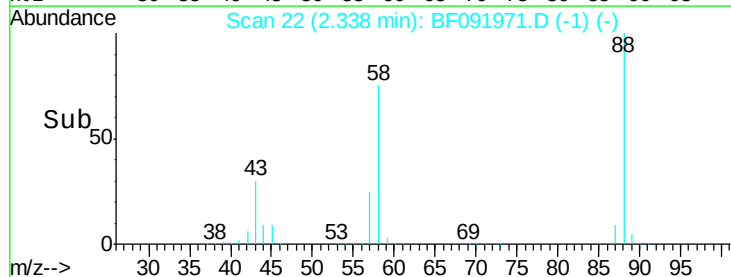
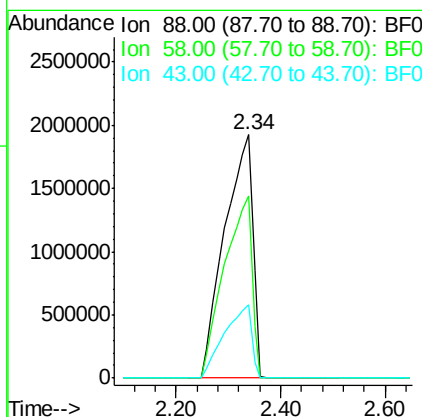
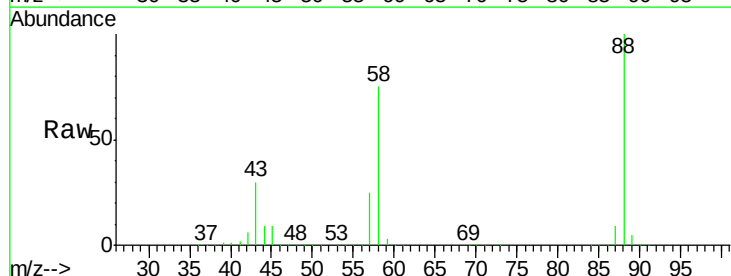
Instrument :
 BNA_F
 ClientSampleId :
 MW-1

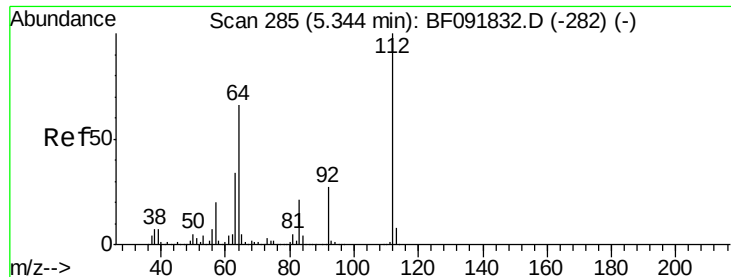
Tgt Ion: 152 Resp: 205991
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.9 187.3
 115 60.5 46.0 69.0



#2
 1,4-Dioxane
 Concen: 1182.62 ng
 RT: 2.34 min Scan# 22
 Delta R.T. 0.05 min
 Lab File: BF091971.D
 Acq: 27 Dec 2016 16:51

Tgt Ion: 88 Resp: 7182792
 Ion Ratio Lower Upper
 88 100
 58 73.7 57.8 86.8
 43 28.9 22.3 33.5





#5

2-Fluorophenol

Concen: 84.81 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

Instrument :

BNA_F

ClientSampleId :

MW-1

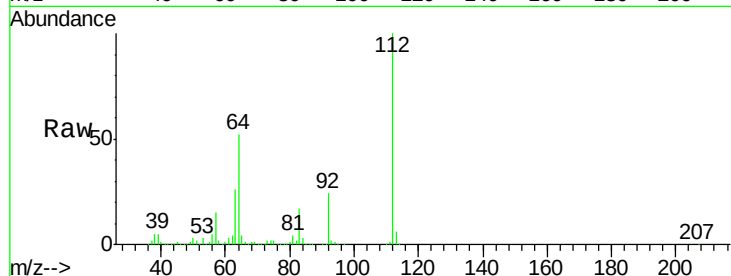
Tgt Ion:112 Resp: 1046258

Ion Ratio Lower Upper

112 100

64 51.7 46.1 69.1

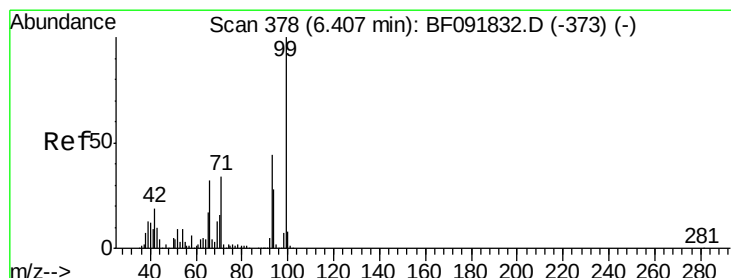
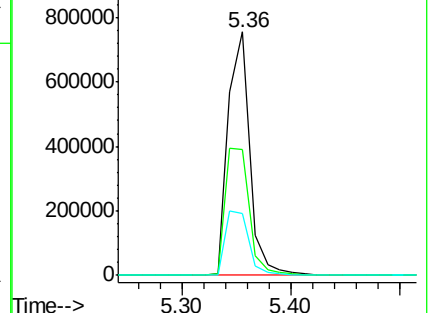
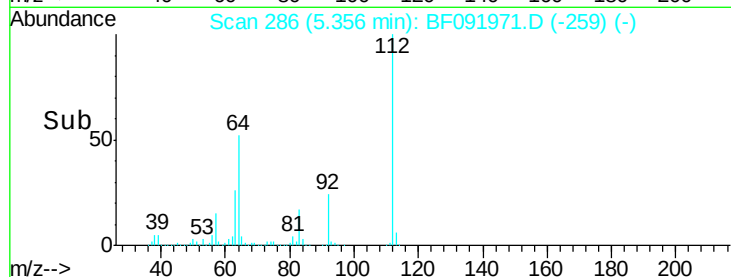
63 25.5 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 43.32 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

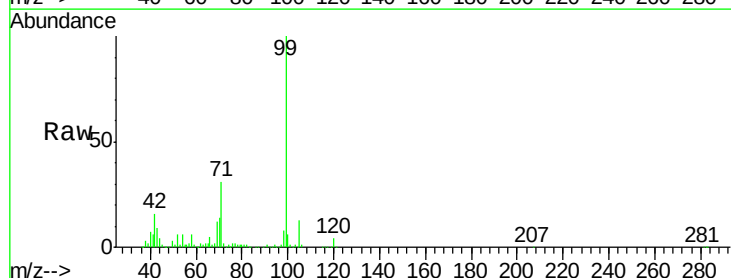
Tgt Ion: 99 Resp: 652474

Ion Ratio Lower Upper

99 100

42 15.8 15.6 23.4

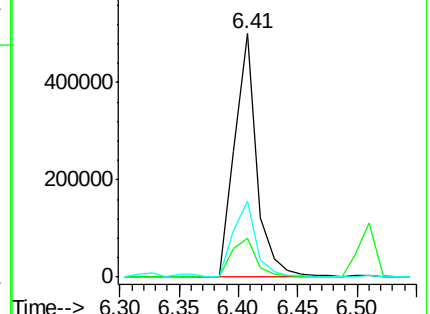
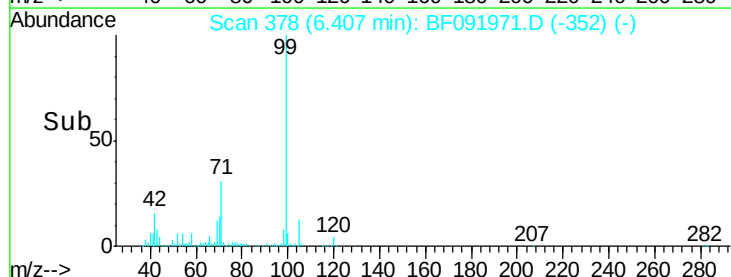
71 31.1 27.5 41.3

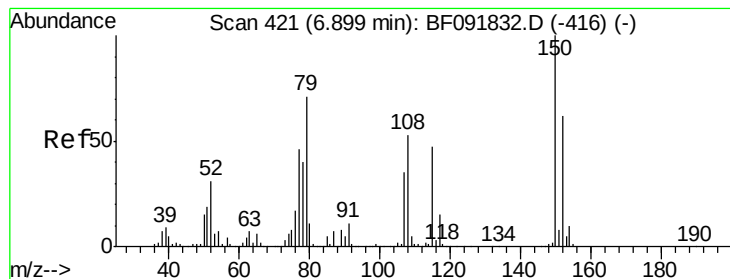


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.34 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

Instrument :

BNA_F

ClientSampleId :

MW-1

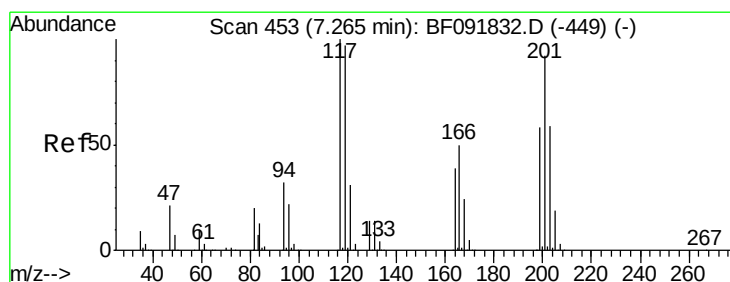
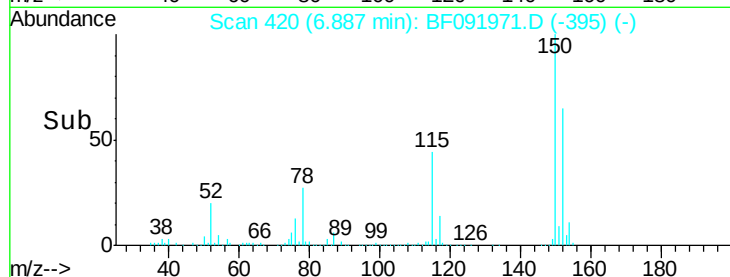
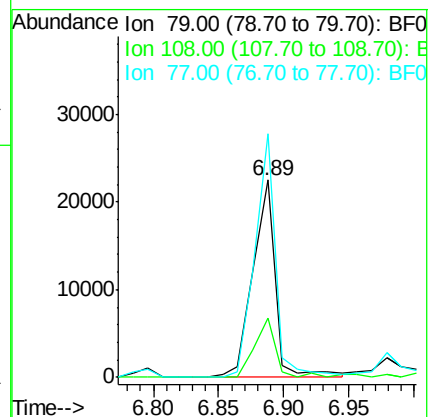
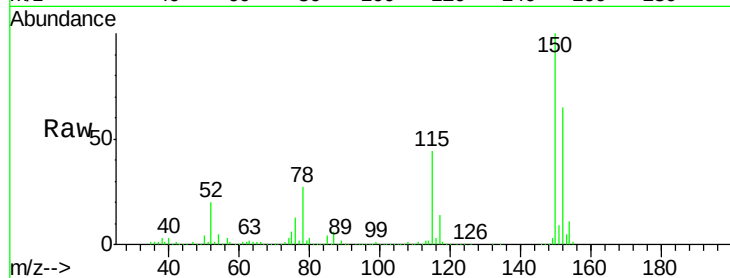
Tgt Ion: 79 Resp: 27442

Ion Ratio Lower Upper

79 100

108 30.4 61.4 92.0#

77 123.6 50.9 76.3#



#18

Hexachloroethane

Concen: 3.04 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.03 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

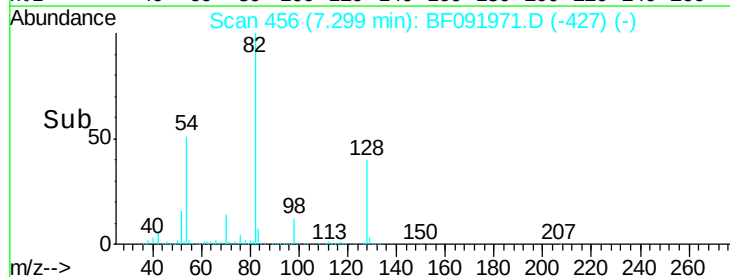
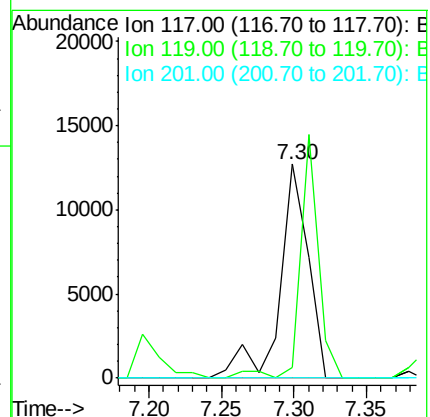
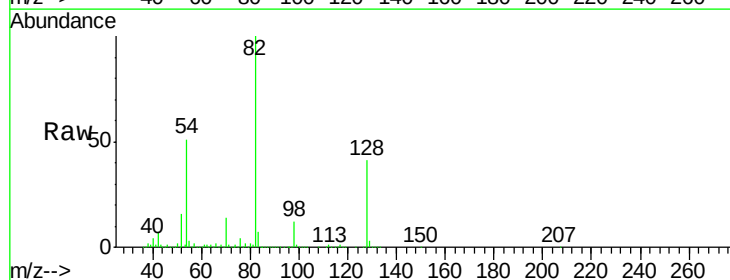
Tgt Ion: 117 Resp: 17196

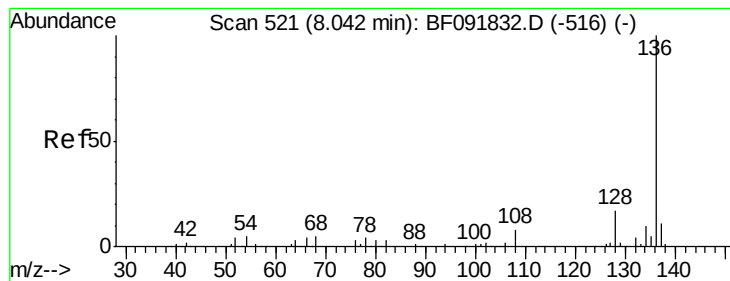
Ion Ratio Lower Upper

117 100

119 5.0 78.1 117.1#

201 0.0 78.6 117.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

Instrument :

BNA_F

ClientSampleId :

MW-1

Tgt Ion: 136 Resp: 859166

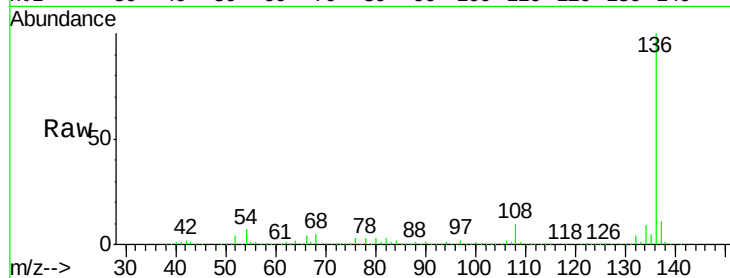
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 6.8 4.5 6.7#

68 5.3 3.6 5.4

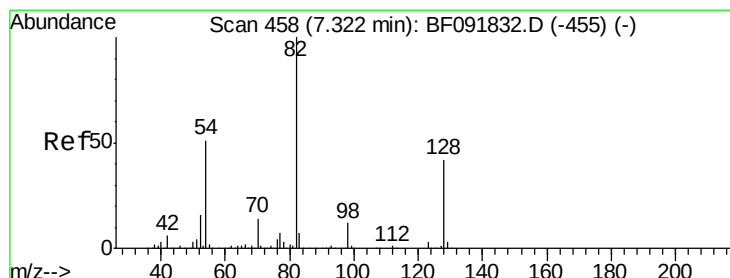
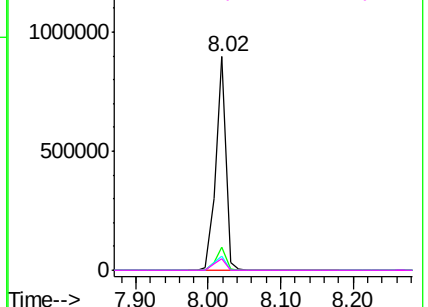
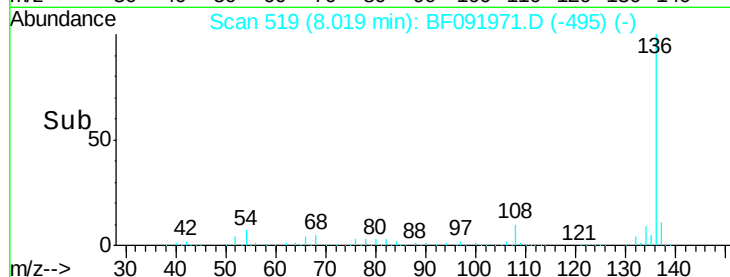


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 86.23 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

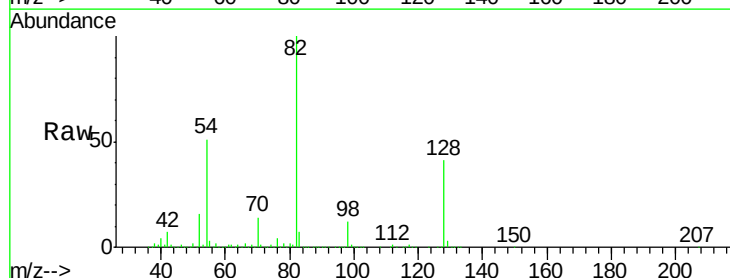
Tgt Ion: 82 Resp: 1332415

Ion Ratio Lower Upper

82 100

128 40.5 34.6 52.0

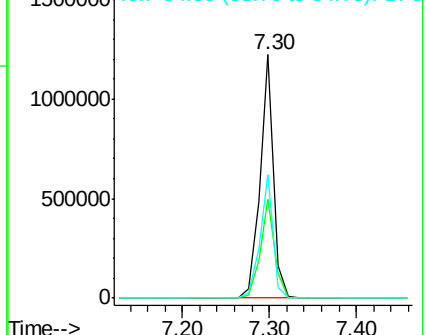
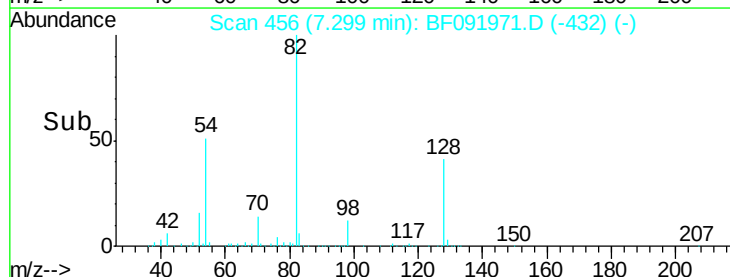
54 50.6 39.5 59.3

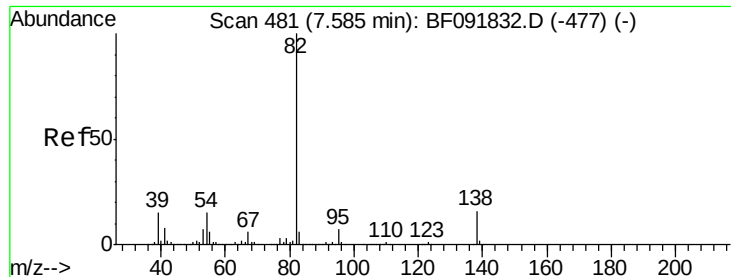


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.47 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.29 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

Instrument :

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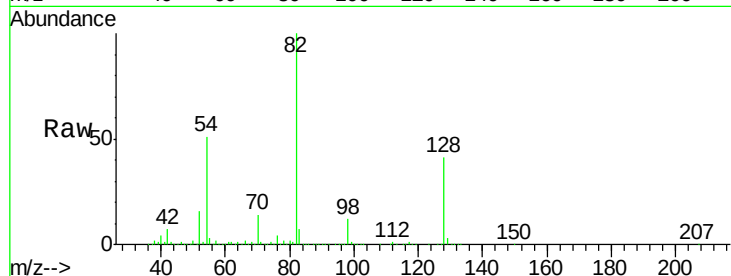
Tgt Ion: 82 Resp: 954019

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

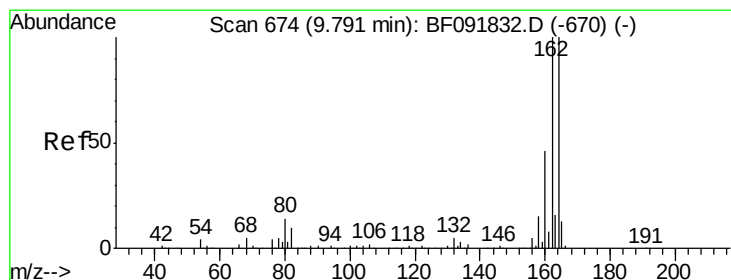
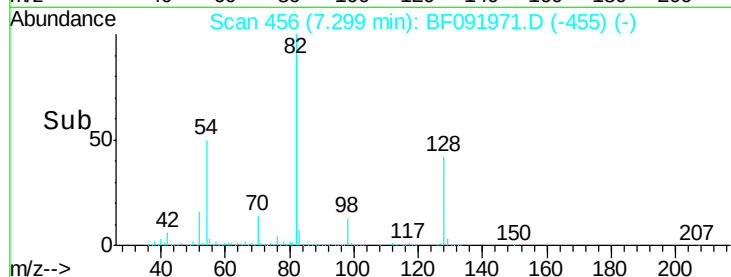
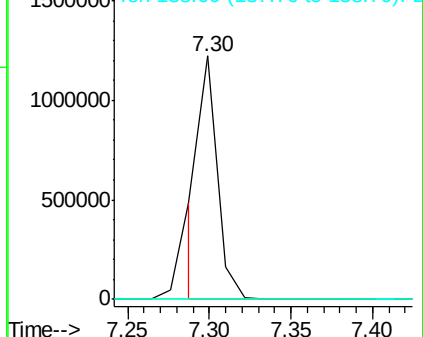
138 0.0 14.6 22.0#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

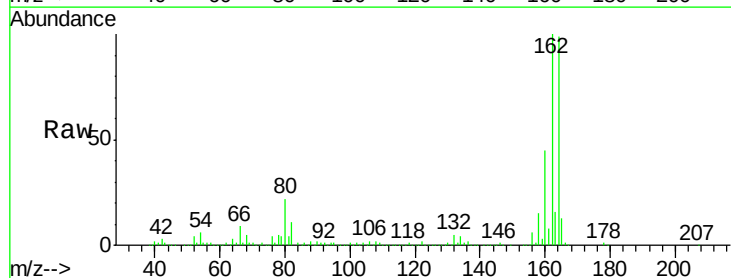
Tgt Ion: 164 Resp: 429858

Ion Ratio Lower Upper

164 100

162 101.2 80.2 120.2

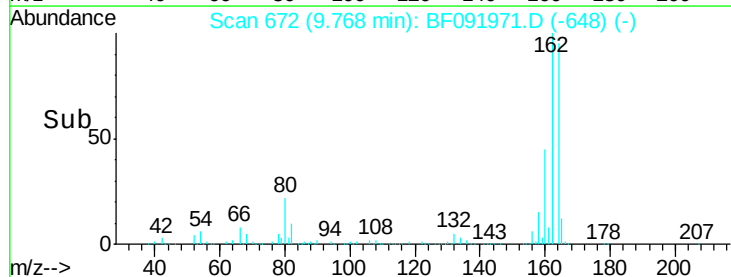
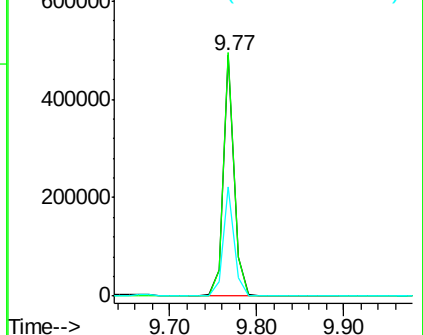
160 45.5 36.9 55.3

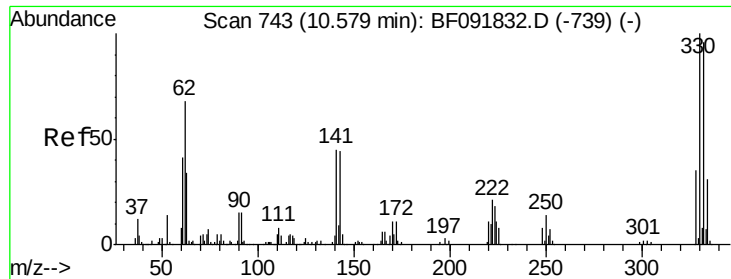


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

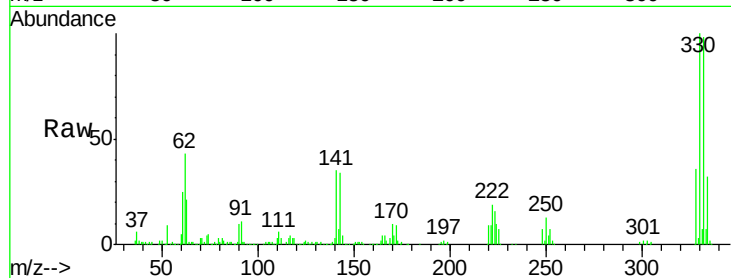




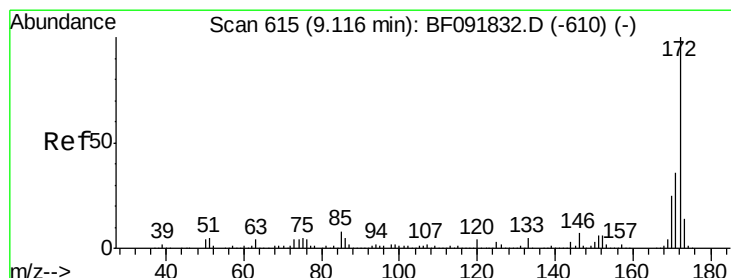
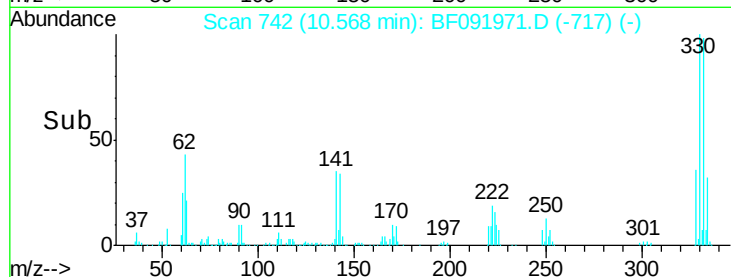
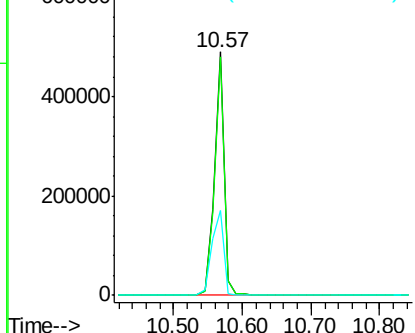
#41
 2,4,6-Tribromophenol
 Concen: 137.80 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091971.D
 Acq: 27 Dec 2016 16:51

Instrument :
 BNA_F
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 MW-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.4	116.2
141	43.2	34.1	51.1

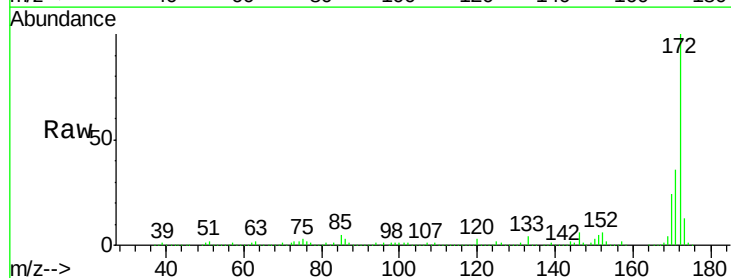


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

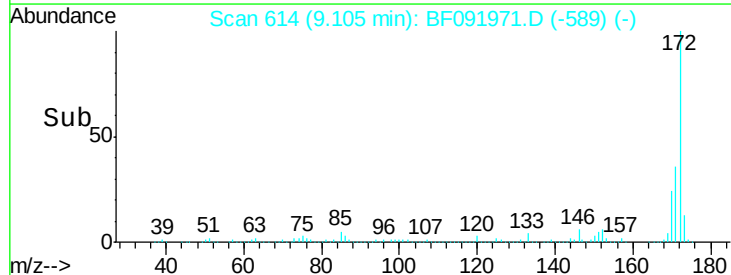
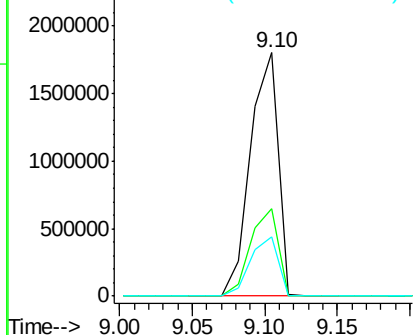


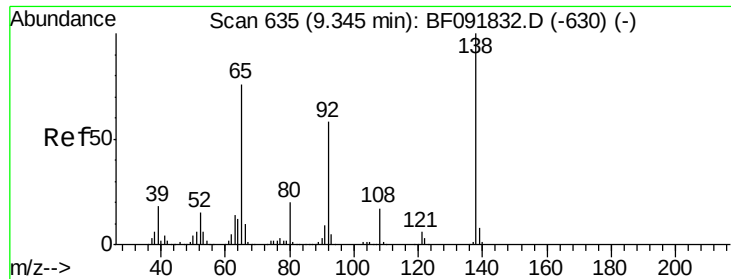
#44
 2-Fluorobiphenyl
 Concen: 119.53 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091971.D
 Acq: 27 Dec 2016 16:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	24.3	20.2	30.4



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: 2.45 ng

RT: 9.32 min Scan# 633

Delta R.T. -0.02 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

Instrument :

BNA_F

ClientSampleId :

MW-1

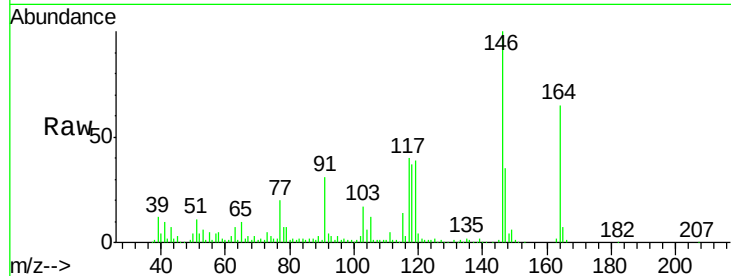
Tgt Ion: 65 Resp: 20364

Ion Ratio Lower Upper

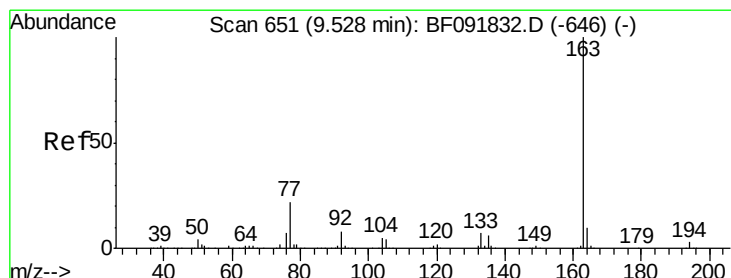
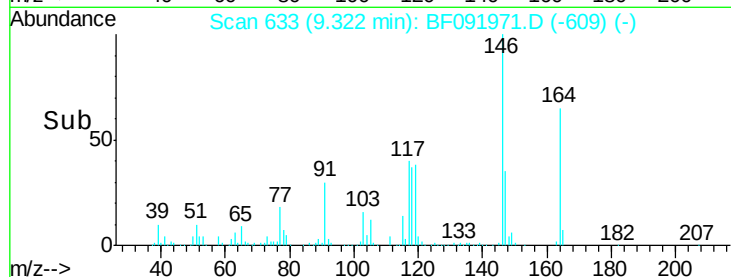
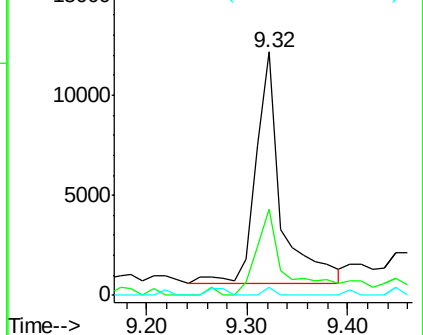
65 100

92 35.6 53.9 80.9#

138 3.4 76.8 115.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#49

Dimethylphthalate

Concen: 5.17 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.03 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

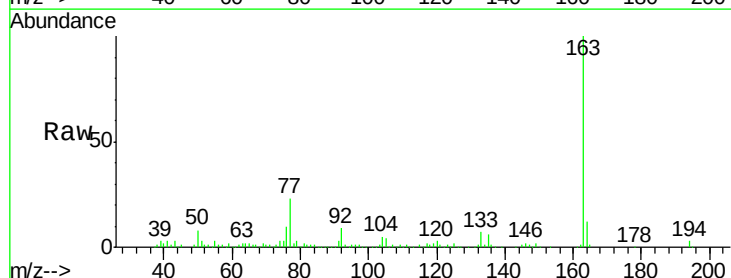
Tgt Ion: 163 Resp: 142216

Ion Ratio Lower Upper

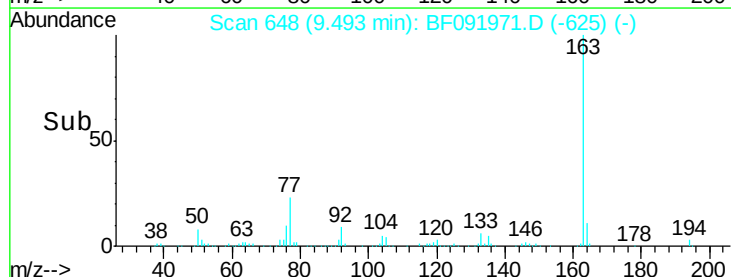
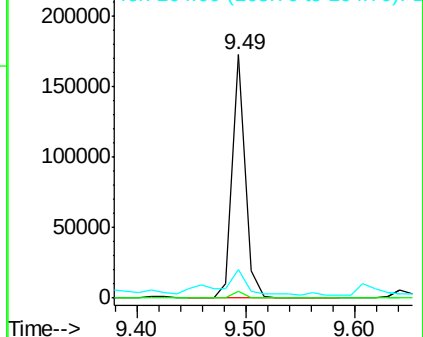
163 100

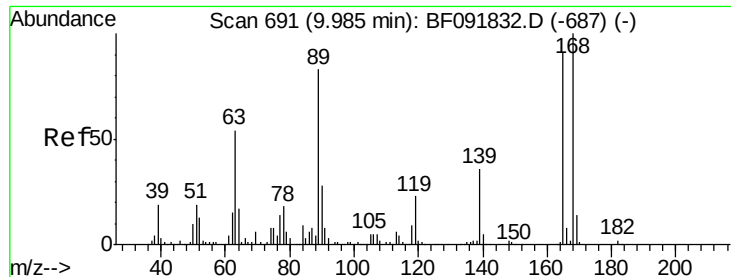
194 2.9 3.0 4.4#

164 11.7 8.0 12.0



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

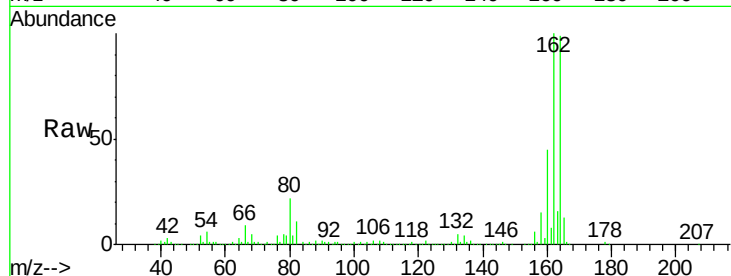




#56
2,4-Dinitrotoluene
Concen: 7.59 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.22 min
Lab File: BF091971.D
Acq: 27 Dec 2016 16:51

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.2	60.4#
89	2.0	62.5	93.7#
182	0.0	1.8	2.8#

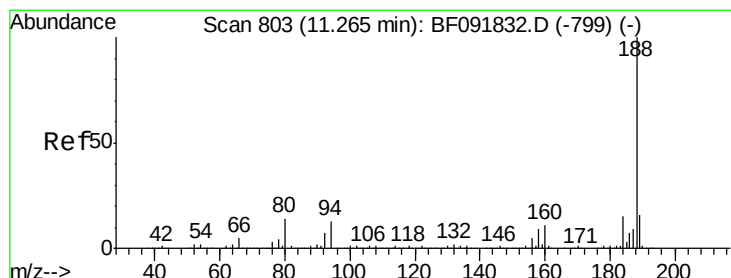
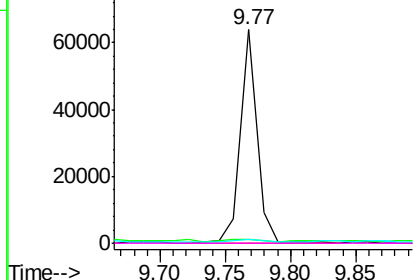
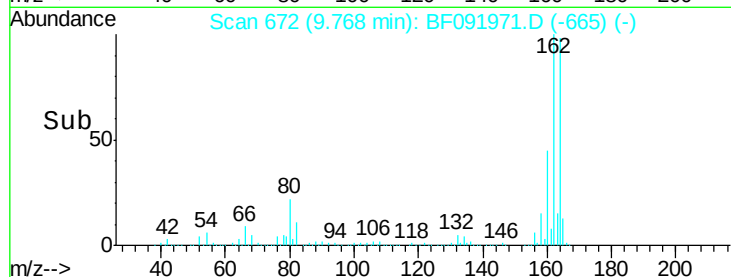


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

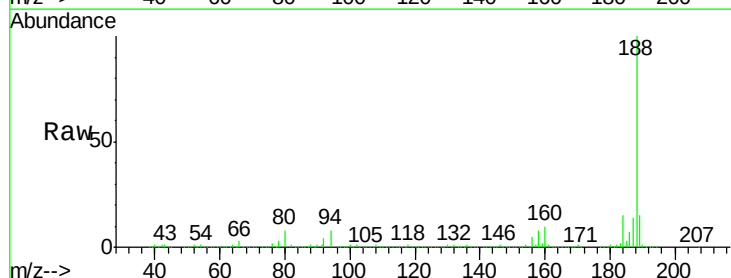
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF091971.D
Acq: 27 Dec 2016 16:51

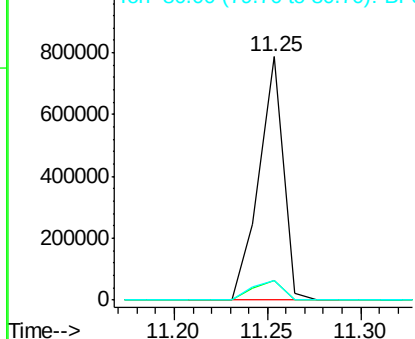
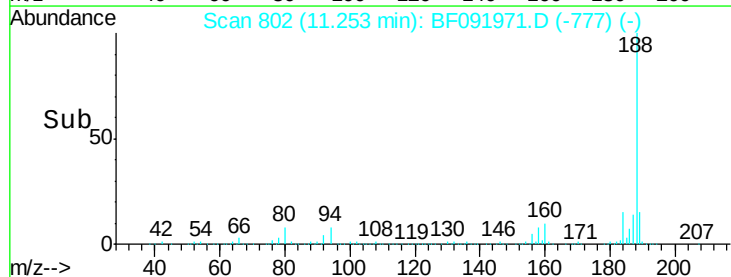
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	10.0	15.0#
80	8.0	11.2	16.8#

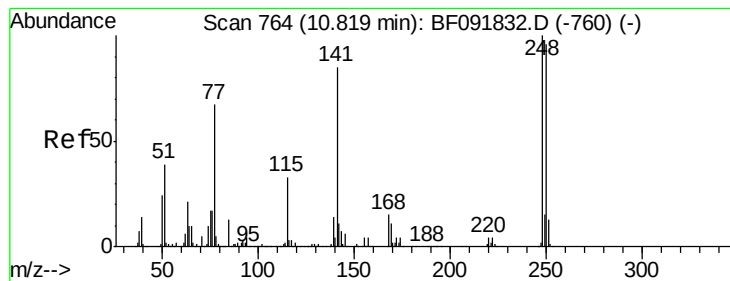


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.42 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.25 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

Instrument :

BNA_F

ClientSampleId :

MW-1

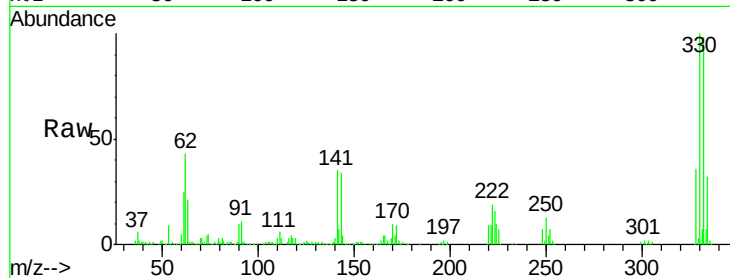
Tgt Ion:248 Resp: 33483

Ion Ratio Lower Upper

248 100

250 201.1 76.9 115.3#

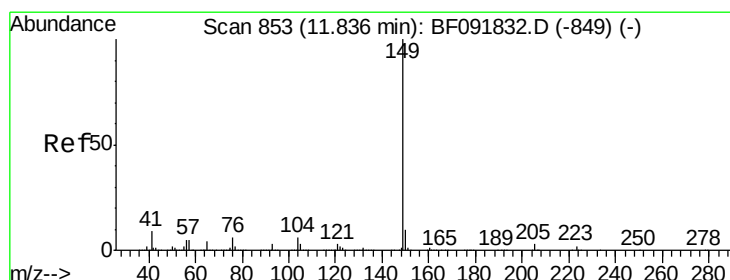
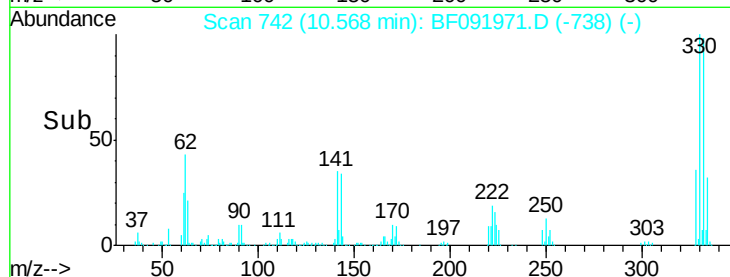
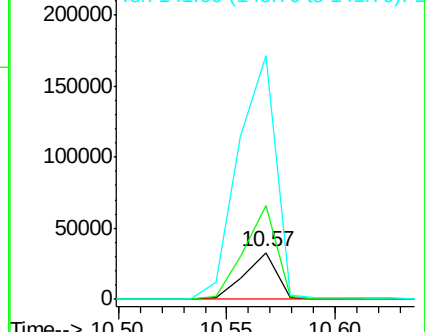
141 523.8 68.2 102.4#



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

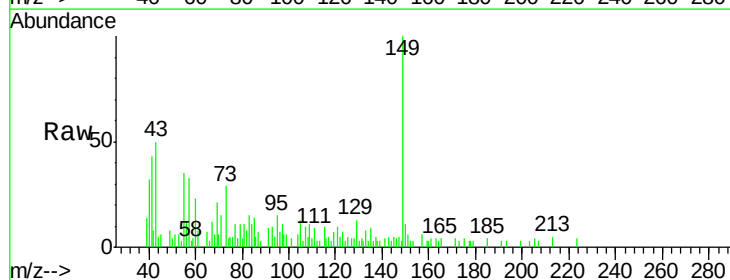
Tgt Ion:149 Resp: 10723

Ion Ratio Lower Upper

149 100

150 11.2 8.1 12.1

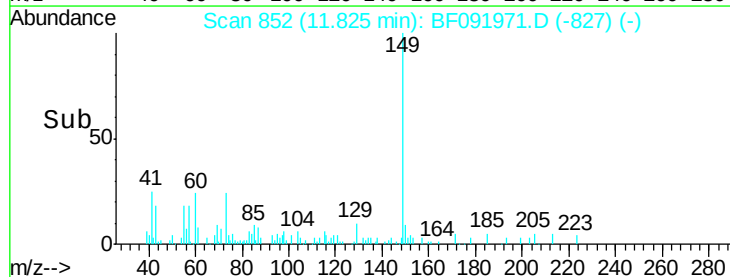
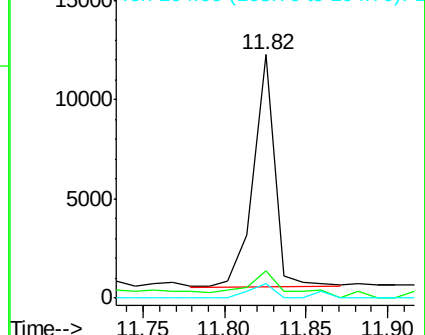
104 5.9 4.6 7.0

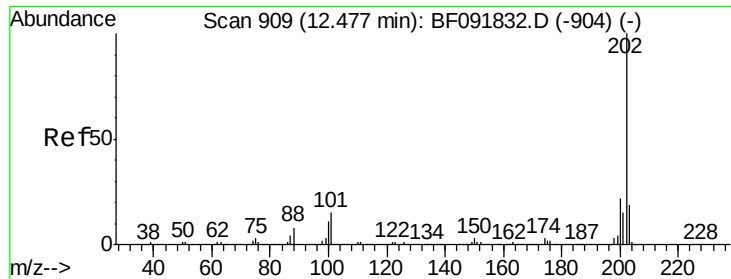


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

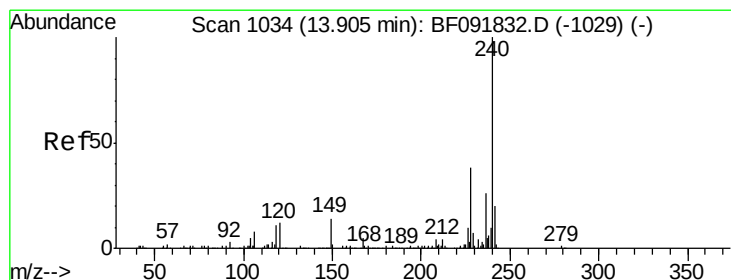
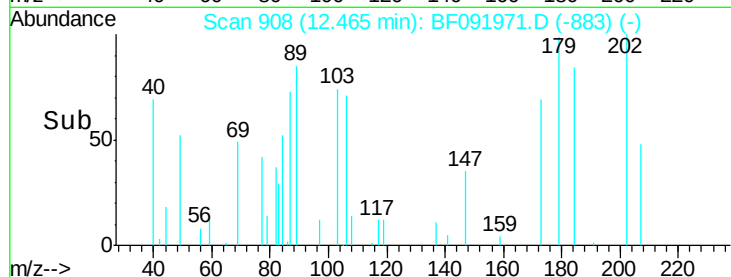
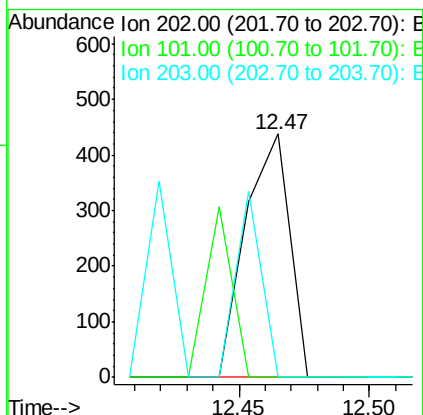
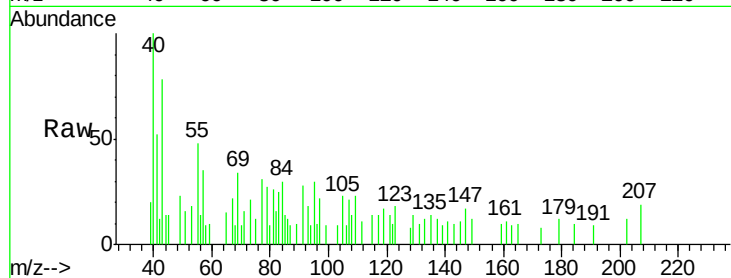




#74
Fluoranthene
Concen: Below Cal
RT: 12.47 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF091971.D
Acq: 27 Dec 2016 16:51

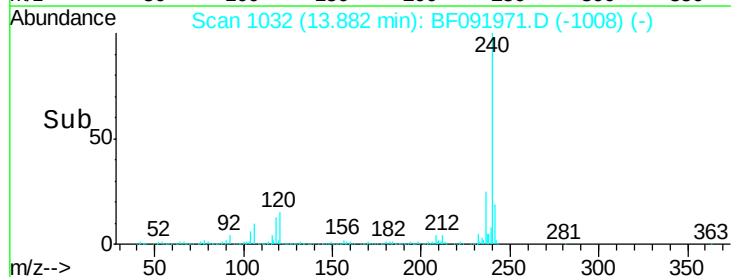
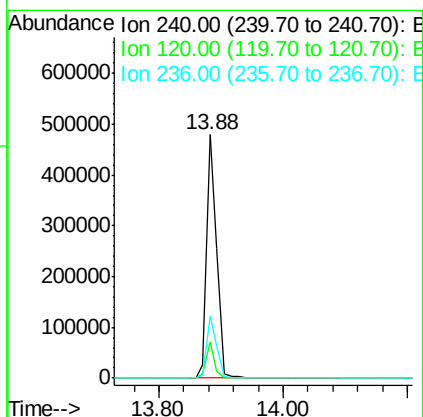
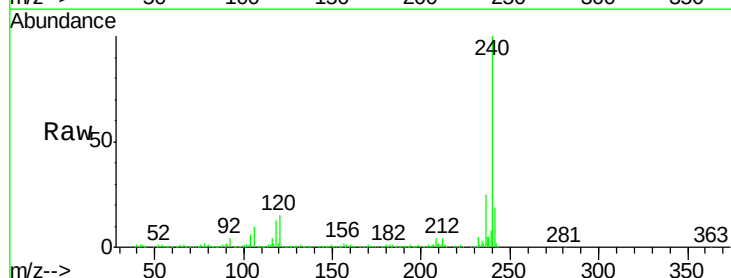
Instrument :
BNA_F
ClientSampleId :
MW-1

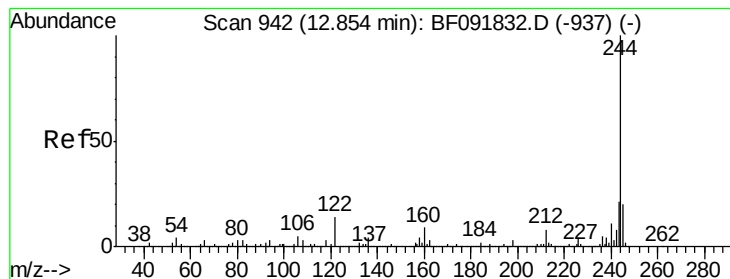
Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	34.6
203	0.0	0.0	38.7



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF091971.D
Acq: 27 Dec 2016 16:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.8	12.9	19.3
236	25.3	20.9	31.3





#78

Terphenyl-d14

Concen: 81.27 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

Instrument :

BNA_F

ClientSampleId :

MW-1

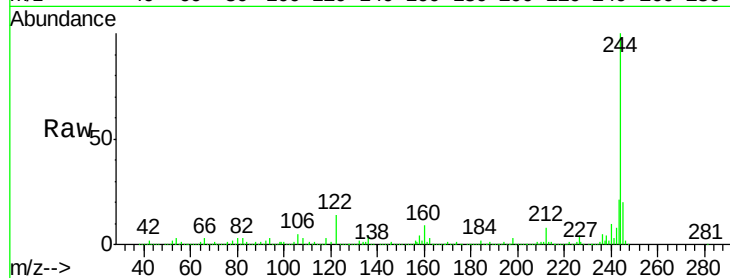
Tgt Ion:244 Resp: 1803140

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

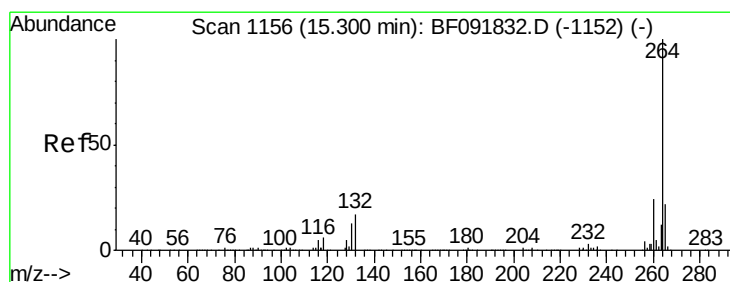
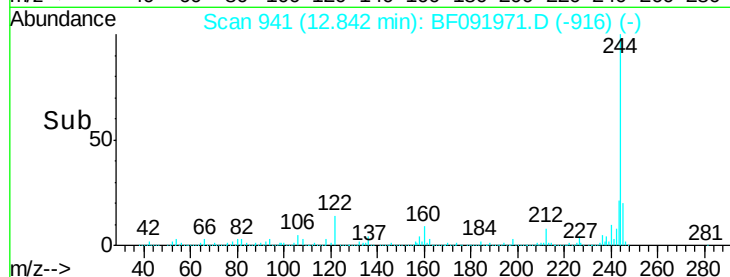
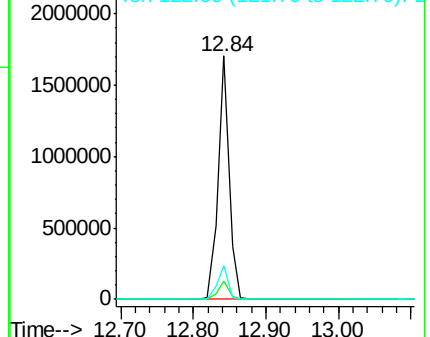
122 13.7 11.4 17.2



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: 15.29 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF091971.D

Acq: 27 Dec 2016 16:51

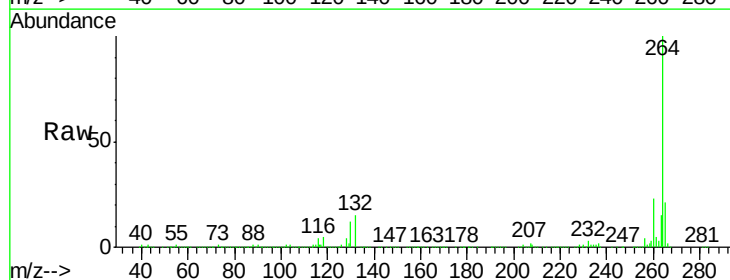
Tgt Ion:264 Resp: 499296

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.2 17.4 26.0



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

