

Data Path : Z:\HPCHEM1\BNA F\Data\BF121516\
 Data File : BF091663.D
 Acq On : 16 Dec 2016 8:51
 Operator : UM/SJ
 Sample : H6086-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 16 16:43:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

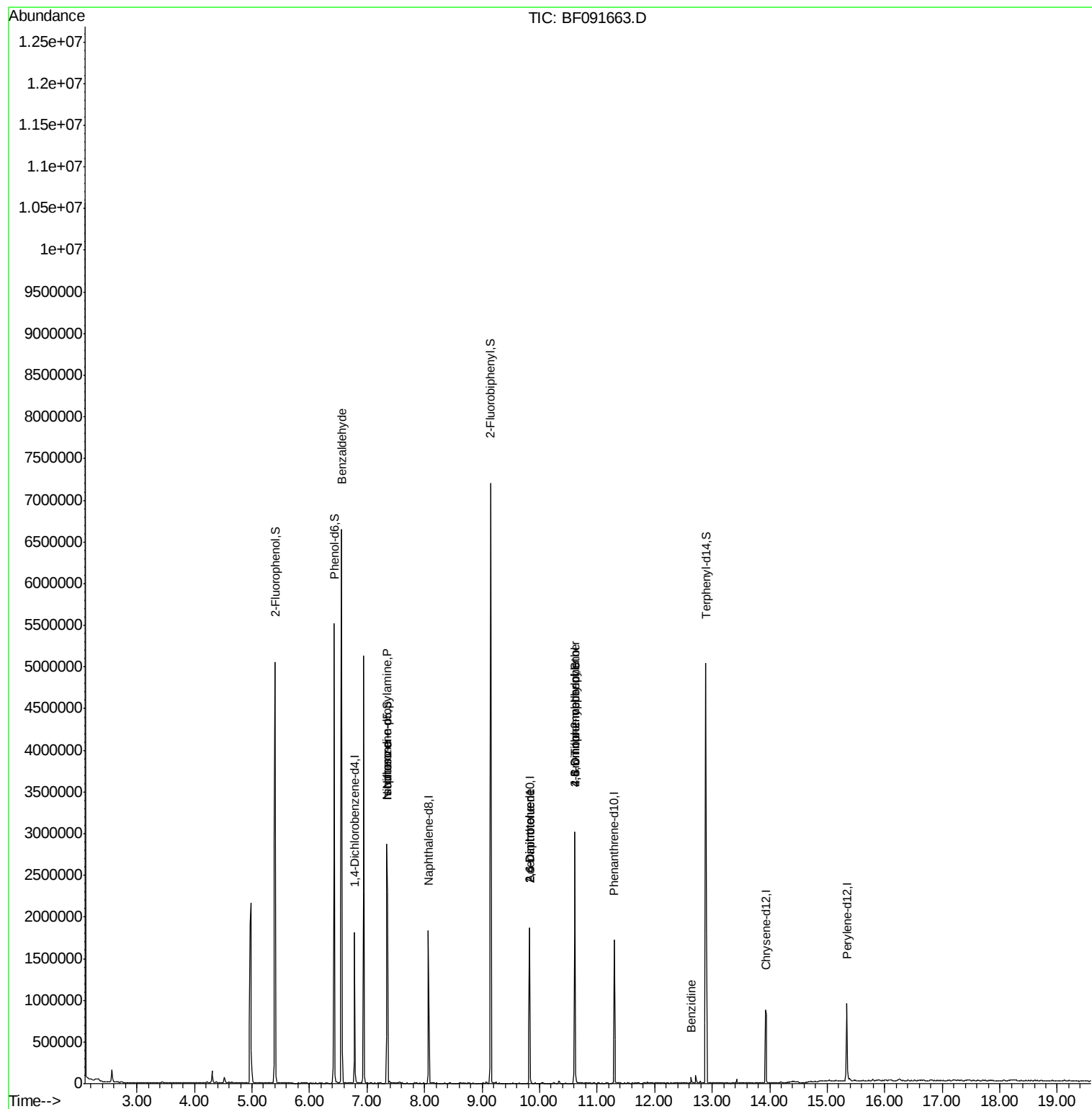
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	246980	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	964543	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	425456	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	643441	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	458138	20.00	ng	0.00
86) Perylene-d12	15.35	264	484681	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1549186	105.68	ng	0.02
7) Phenol-d6	6.43	99	2002761	109.58	ng	0.00
23) Nitrobenzene-d5	7.34	82	1394505	80.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	436934	123.64	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2204894	89.55	ng	0.00
78) Terphenyl-d14	12.89	244	1715633	84.98	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.56	77	44251	3.52	ng	Qvalue 86
19) n-Nitroso-di-n-propylamine	7.34	70	185226	16.21	ng	# 65
20) 3+4-Methylphenols	6.94	107	245	Below Cal	#	1
25) Isophorone	7.34	82	1250121	40.69	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	55905	9.45	ng	# 16
56) 2,4-Dinitrotoluene	9.82	165	55905	7.54	ng	# 33
57) Fluorene	10.61	166	20969	Below Cal	#	93
64) 4,6-Dinitro-2-methylphenol	10.61	198	1017	3.19	ng	# 5
66) 4-Bromophenyl-phenylether	10.61	248	29075	4.41	ng	# 1
76) Benzidine	12.64	184	29840	2.11	ng	96

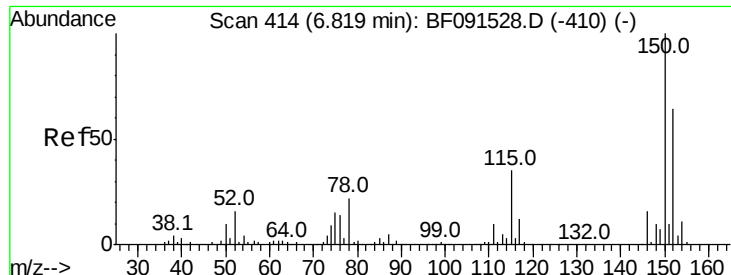
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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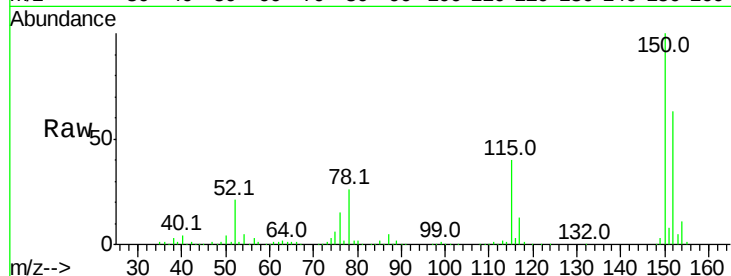


#1

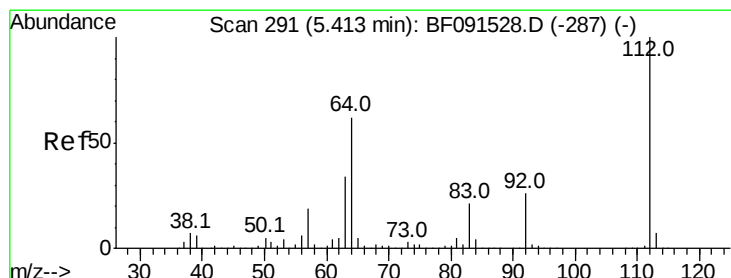
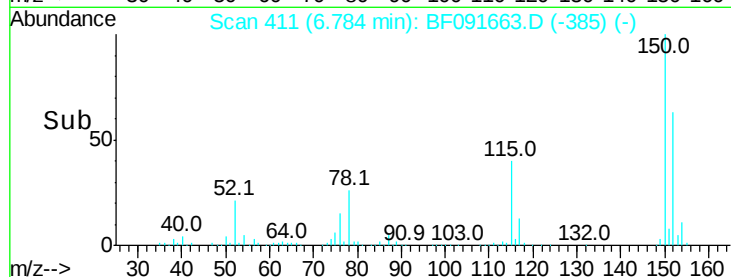
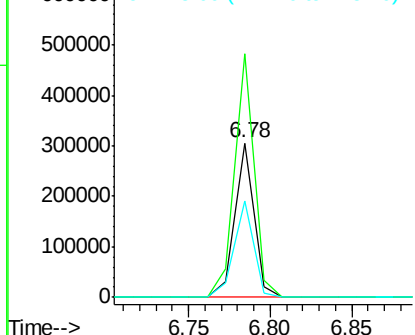
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF091663.D
Acq: 16 Dec 2016 8:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 246980
Ion Ratio Lower Upper
152 100
150 157.9 122.5 183.7
115 62.5 51.8 77.8



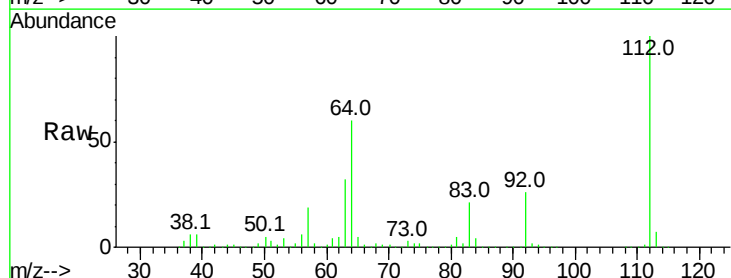
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



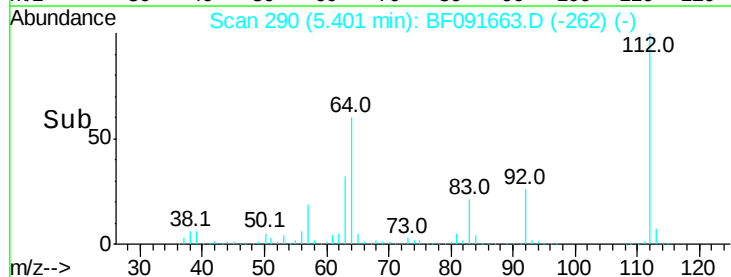
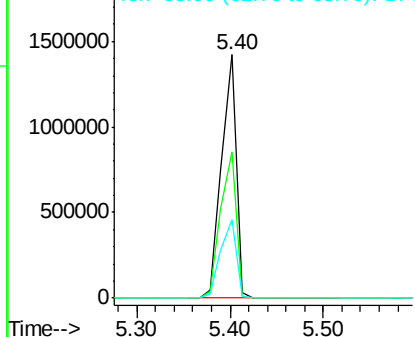
#5

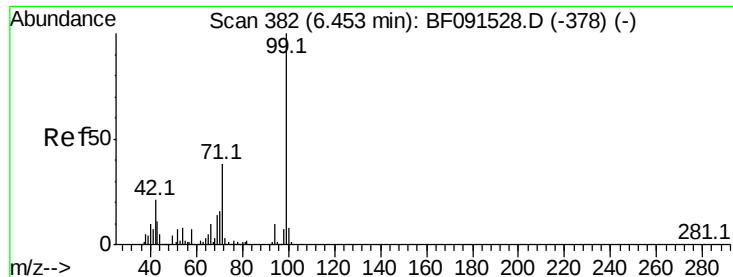
2-Fluorophenol
Concen: 105.68 ng
RT: 5.40 min Scan# 290
Delta R.T. 0.02 min
Lab File: BF091663.D
Acq: 16 Dec 2016 8:51

Tgt Ion:112 Resp: 1549186
Ion Ratio Lower Upper
112 100
64 60.2 61.5 92.3#
63 32.3 33.3 49.9#



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: 109.58 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

Instrument :

BNA_F

ClientSampleId :

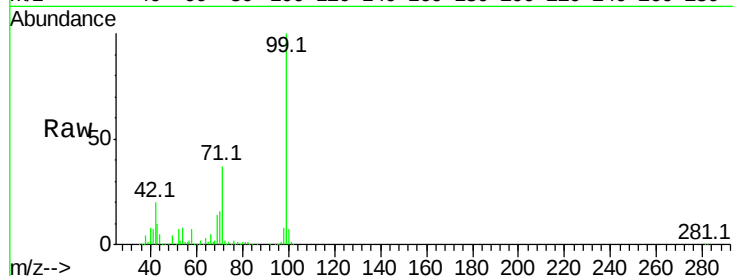
Tot Ion: 99 Resp: 2002761

Ion Ratio Lower Upper

99 100

42 19.8 20.6 31.0#

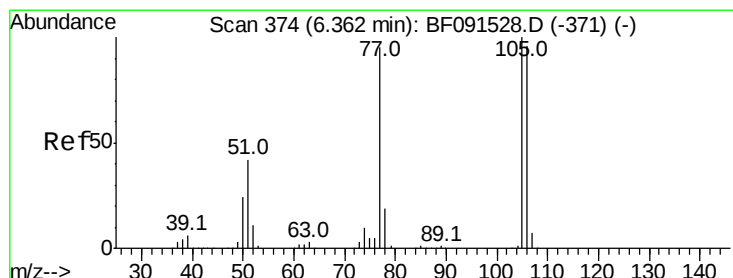
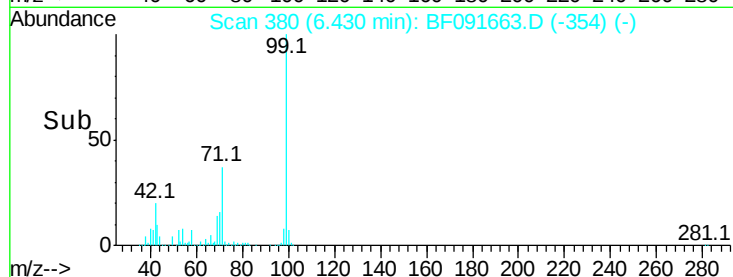
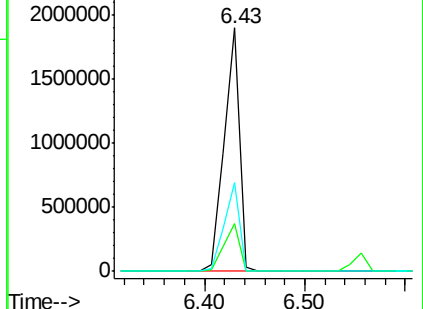
71 36.5 29.9 44.9



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



#9

Benzaldehyde

Concen: 3.52 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.23 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

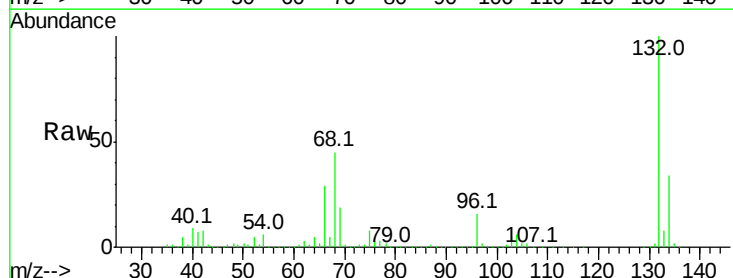
Tgt Ion: 77 Resp: 44251

Ion Ratio Lower Upper

77 100

105 76.5 66.4 106.4

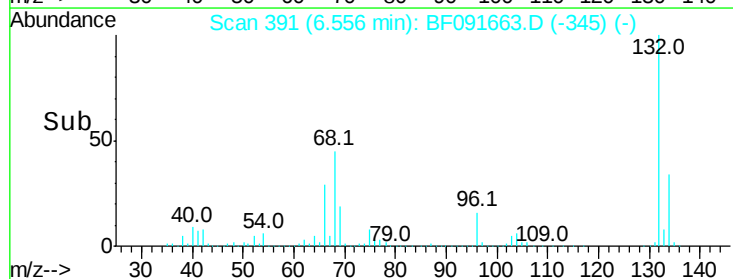
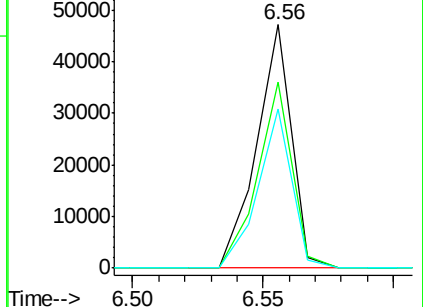
106 65.2 60.9 100.9

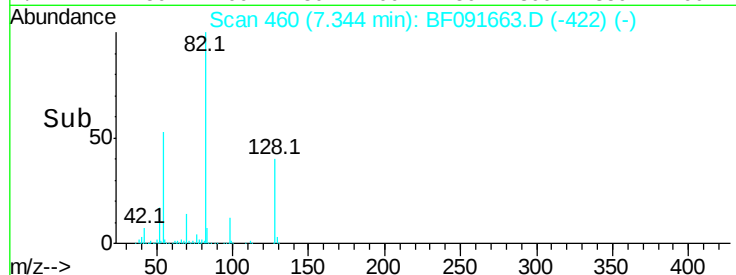
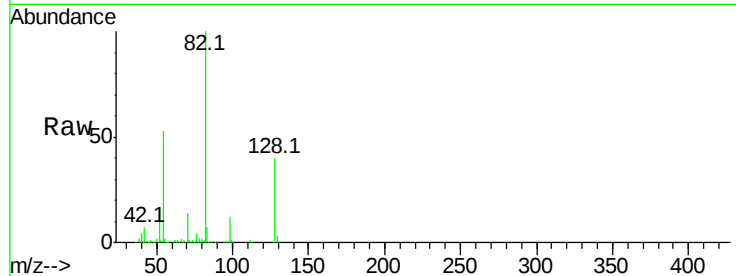
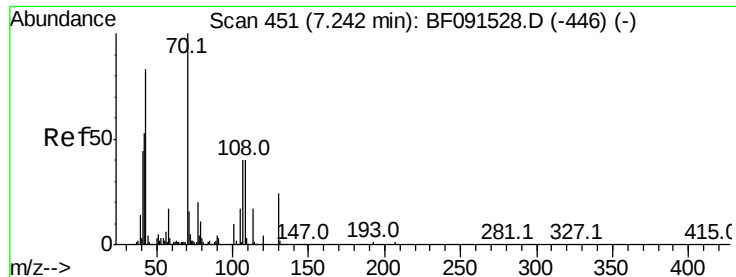


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

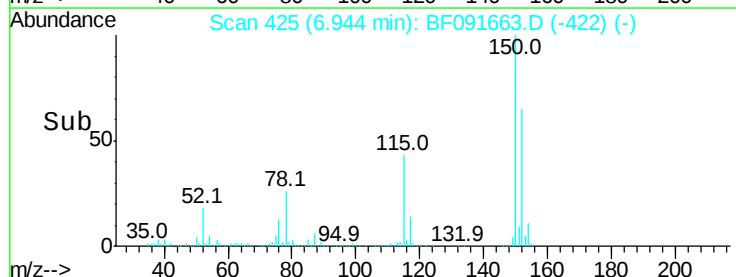
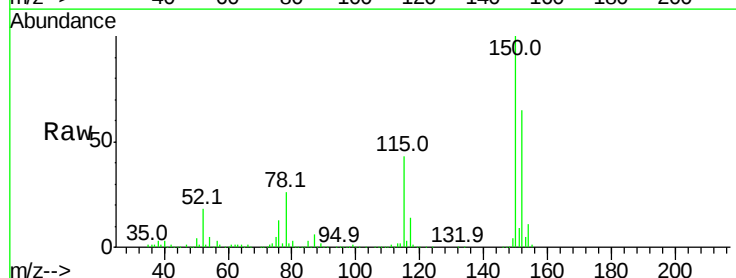
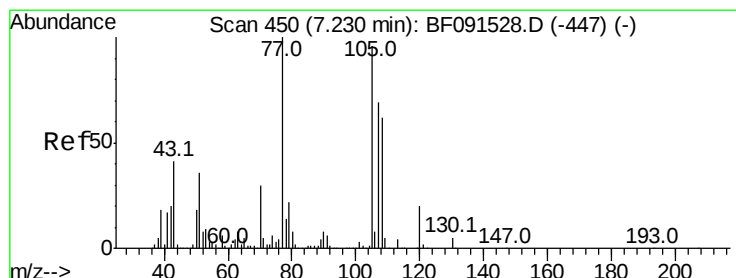
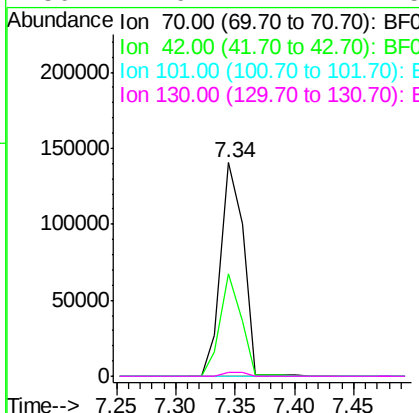




#19
n-Nitroso-di-n-propylamine
Concen: 16.21 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.14 min
Lab File: BF091663.D
Acq: 16 Dec 2016 8:51

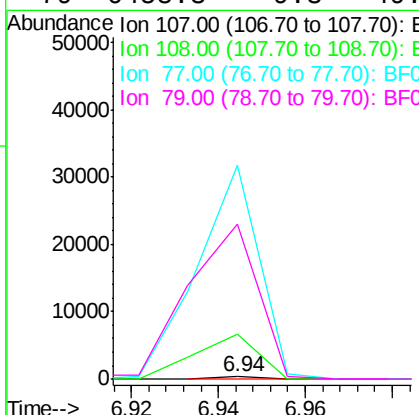
Instrument :
BNA_F
ClientSampleId :

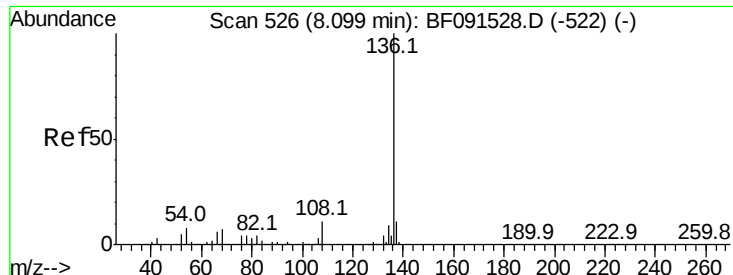
Tot Ion:	70	Resp:	185226
Ion	Ratio	Lower	Upper
70	100		
42	48.1	64.8	97.2#
101	0.0	6.2	9.4#
130	1.9	11.7	17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 6.94 min Scan# 425
Delta R.T. -0.26 min
Lab File: BF091663.D
Acq: 16 Dec 2016 8:51

Tgt Ion:	107	Resp:	245
Ion	Ratio	Lower	Upper
107	100		
108	1851.5	64.6	104.6#
77	8889.6	30.9	70.9#
79	6458.3	9.3	49.3#

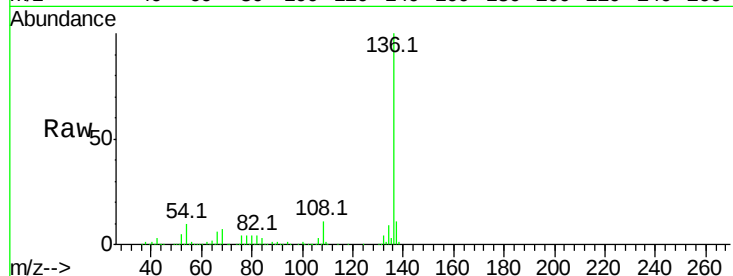




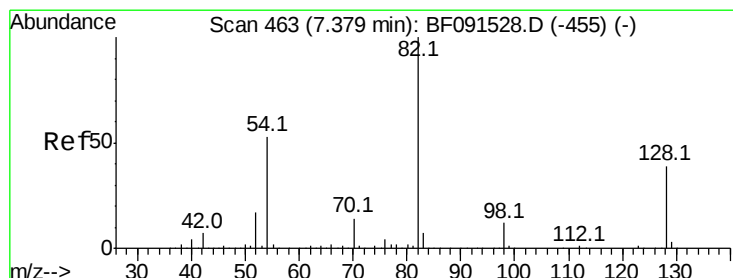
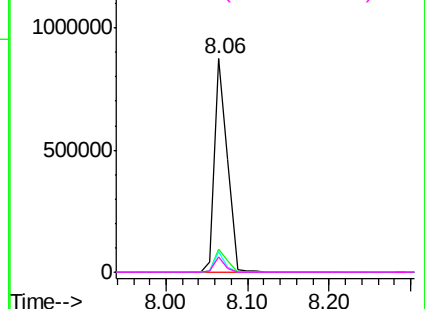
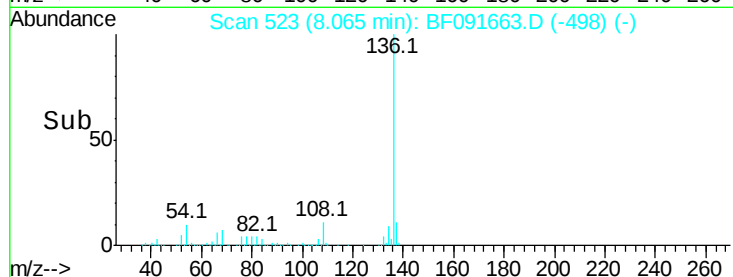
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091663.D
Acq: 16 Dec 2016 8:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	964543
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.1	13.7
54 9.6	9.1	13.7
68 7.0	5.9	8.9

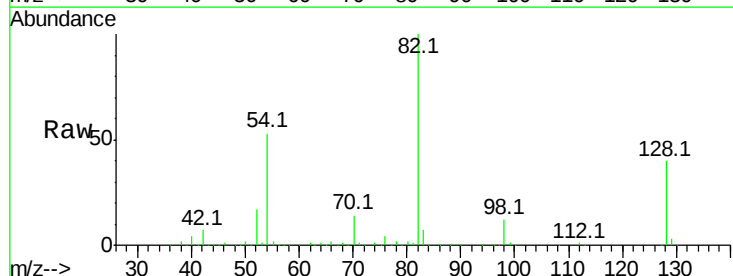


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

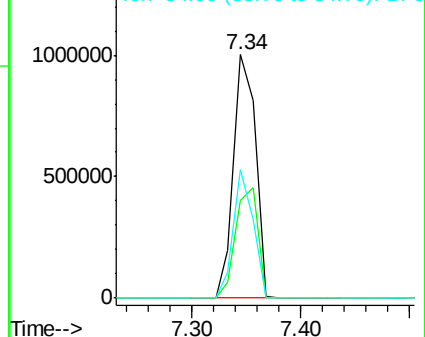
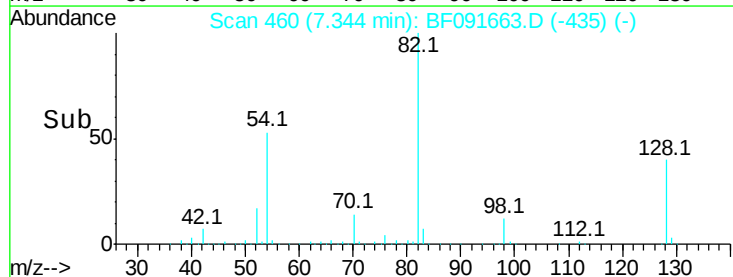


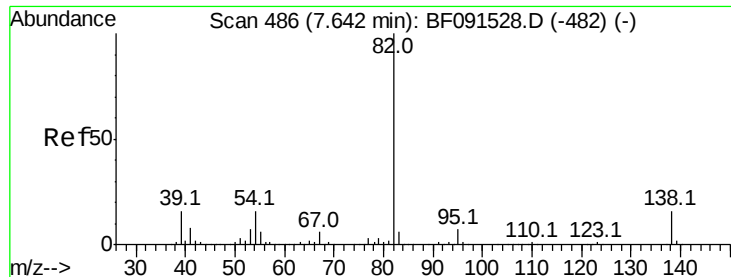
#23
Nitrobenzene-d5
Concen: 80.69 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF091663.D
Acq: 16 Dec 2016 8:51

Tgt Ion: 82	Resp:	1394505
Ion Ratio	Lower	Upper
82 100		
128 39.9	31.8	47.6
54 52.9	49.1	73.7



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: 40.69 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.27 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

Instrument :

BNA_F

ClientSampled :

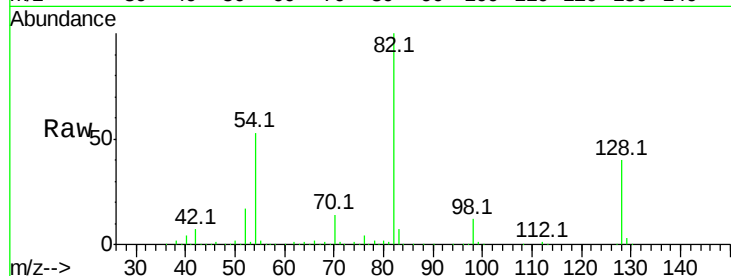
Tot Ion: 82 Resp: 1250121

Ion Ratio Lower Upper

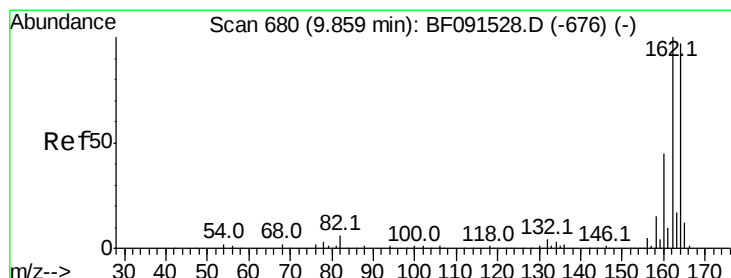
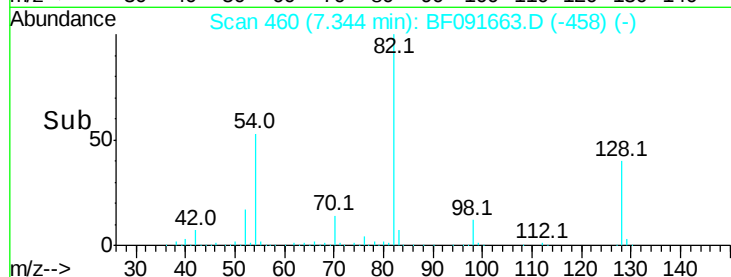
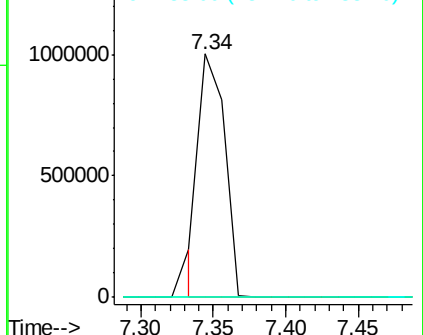
82 100

95 0.0 5.7 8.5#

138 0.0 13.4 20.0#



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: 9.82 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

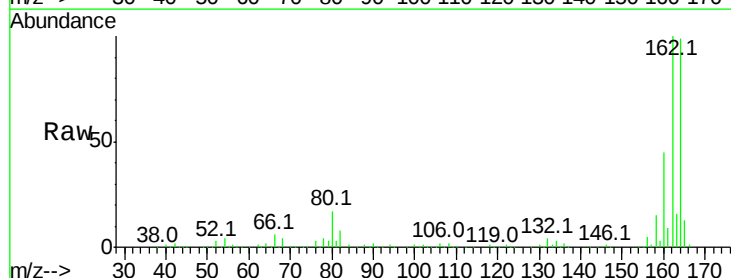
Tgt Ion:164 Resp: 425456

Ion Ratio Lower Upper

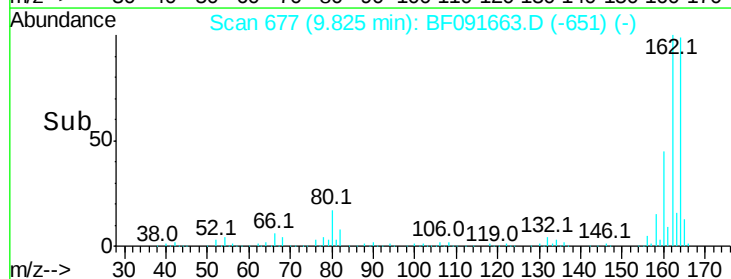
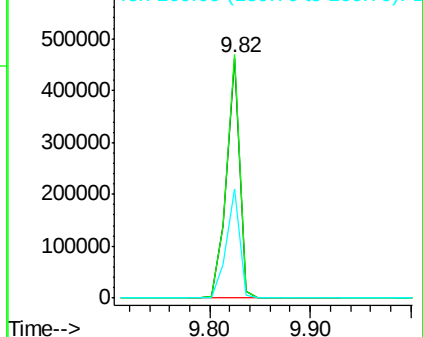
164 100

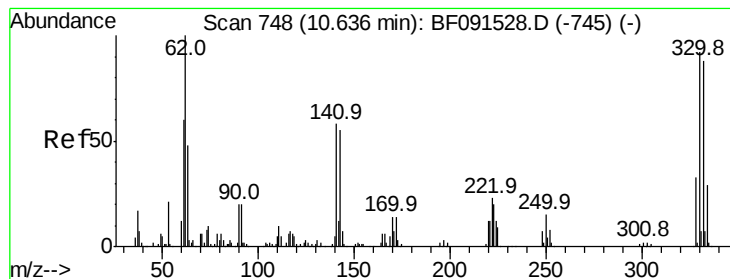
162 101.3 82.6 124.0

160 45.7 36.7 55.1



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: 123.64 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

Instrument :
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ClientSampleId :

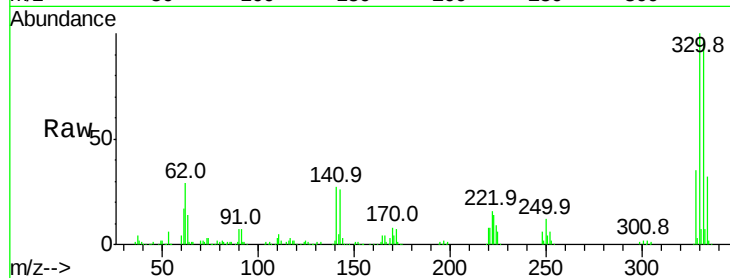
Tot Ion:330 Resp: 436934

Ion Ratio Lower Upper

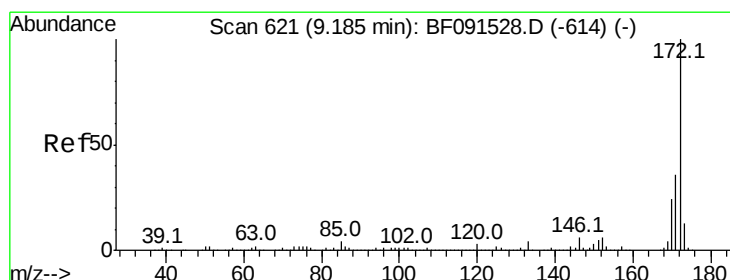
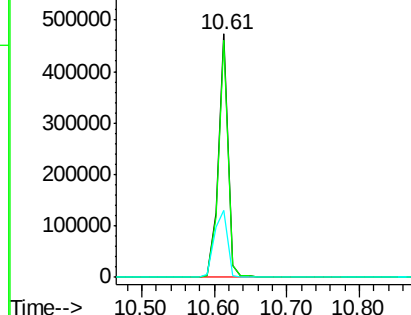
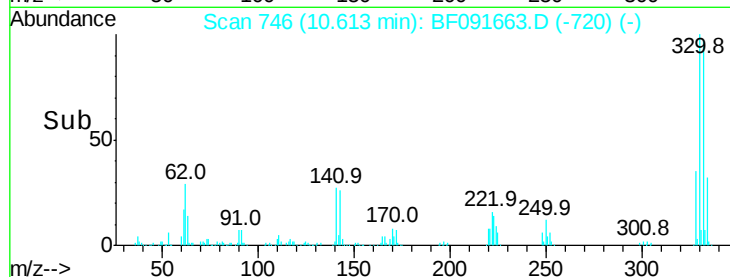
330 100

332 96.8 76.2 114.4

141 37.6 33.6 50.4



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: 89.55 ng

RT: 9.15 min Scan# 618

Delta R.T. 0.00 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

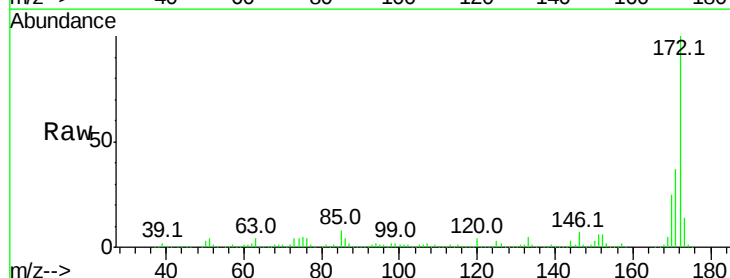
Tgt Ion:172 Resp: 2204894

Ion Ratio Lower Upper

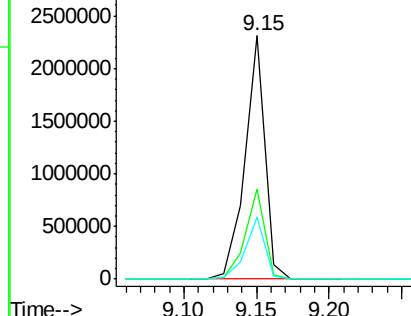
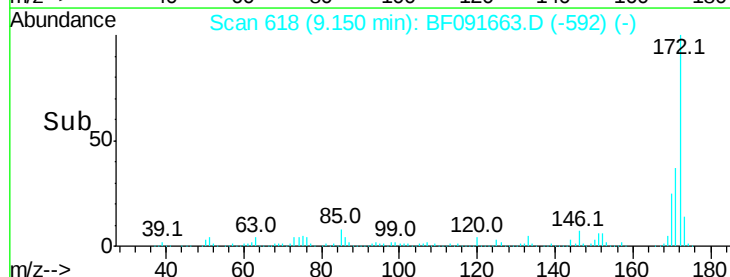
172 100

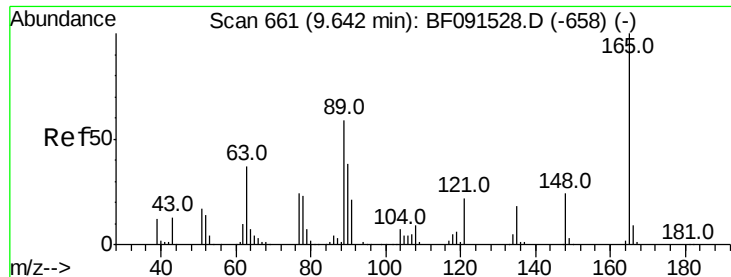
171 36.8 29.4 44.0

170 25.2 19.7 29.5



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: 9.45 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.21 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

Instrument :

BNA_F

ClientSampleId :

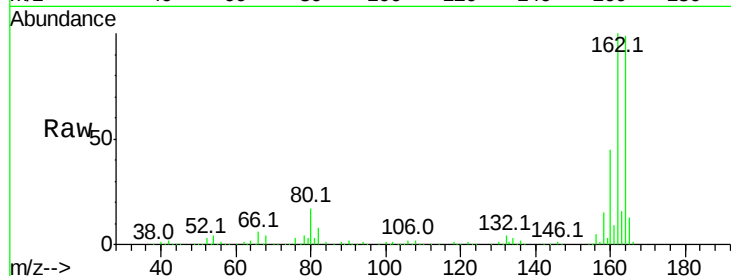
Tot Ion:165 Resp: 55905

Ion Ratio Lower Upper

165 100

63 0.7 59.4 89.0#

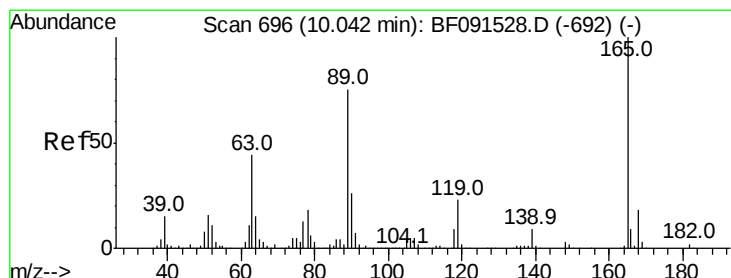
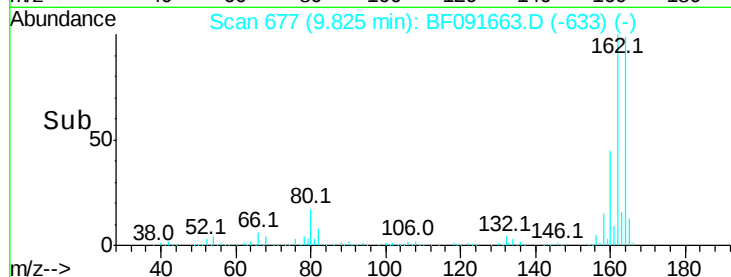
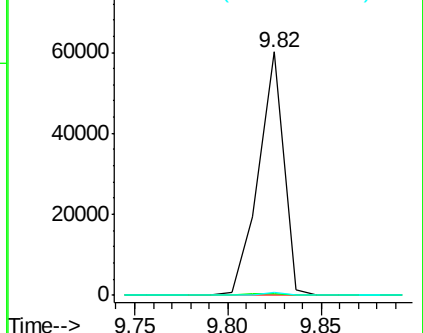
89 1.0 50.8 76.2#



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



#56

2,4-Dinitrotoluene

Concen: 7.54 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.19 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

Tgt Ion:165 Resp: 55905

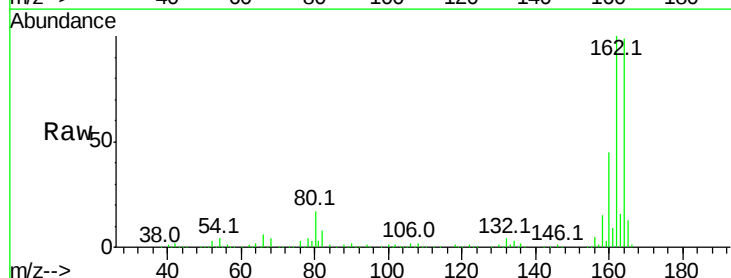
Ion Ratio Lower Upper

165 100

63 0.7 29.0 43.4#

89 1.0 43.1 64.7#

182 0.0 1.9 2.9#

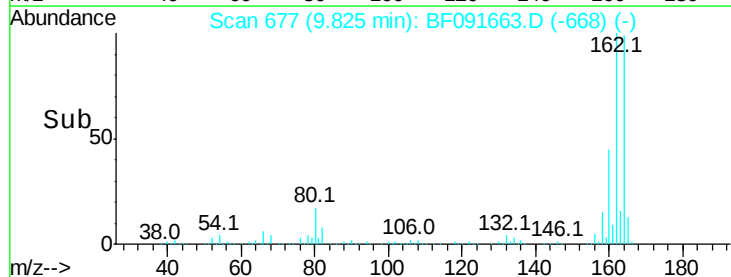
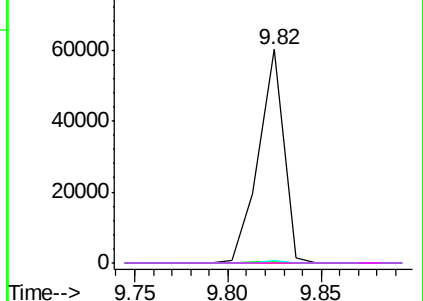


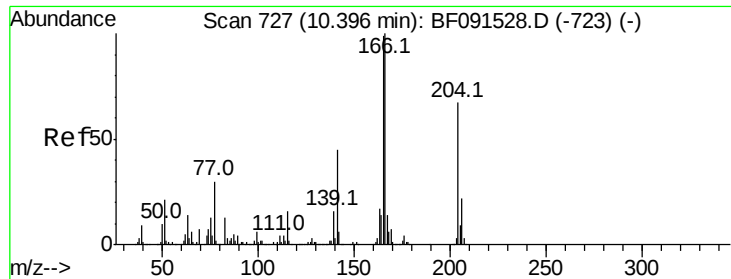
Abundance Ion 165.00 (164.70 to 165.70): E

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

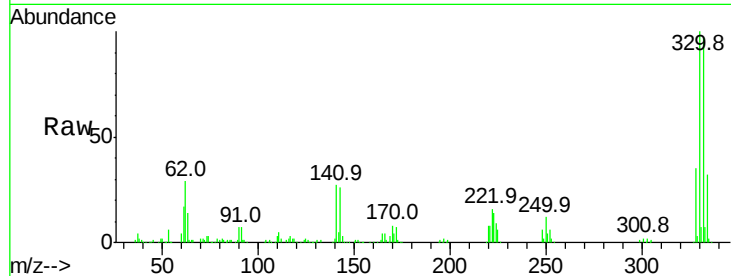




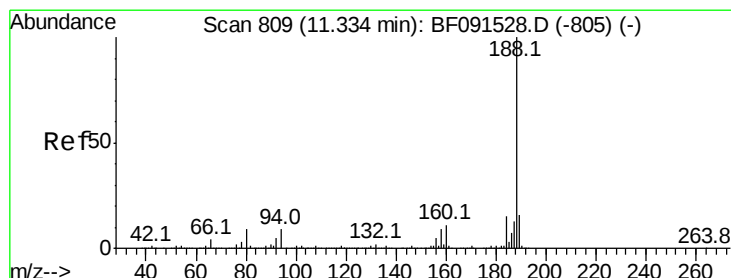
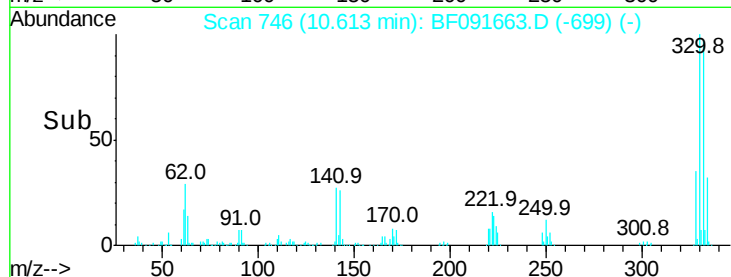
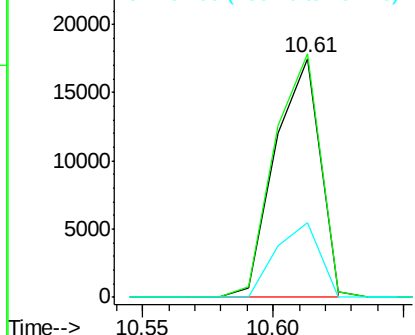
#57
 Fluorene
 Concen: Below Cal
 RT: 10.61 min Scan# 746
 Delta R.T. 0.24 min
 Lab File: BF091663.D
 Acq: 16 Dec 2016 8:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:166 Resp: 20969
 Ion Ratio Lower Upper
 166 100
 165 102.0 80.0 120.0
 167 31.3 10.8 16.2#

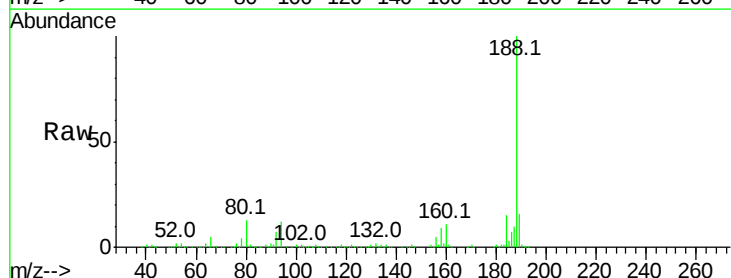


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

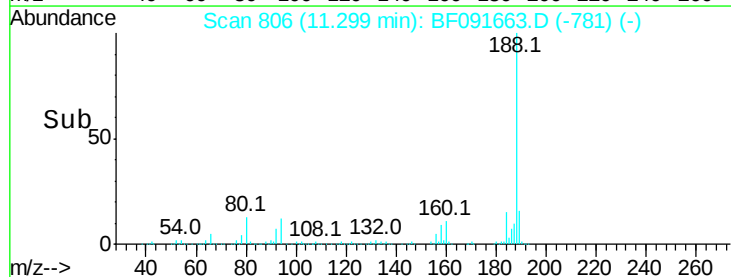
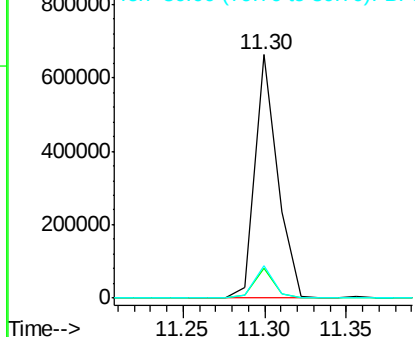


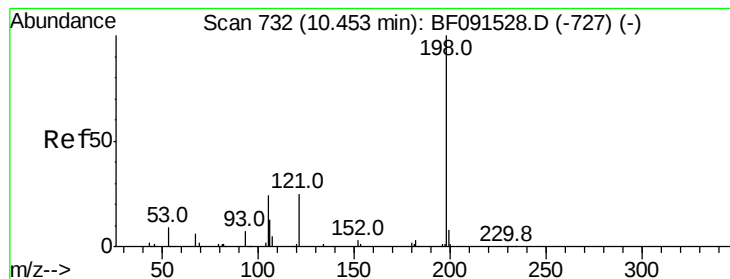
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF091663.D
 Acq: 16 Dec 2016 8:51

Tgt Ion:188 Resp: 643441
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.2 13.8
 80 13.3 10.5 15.7



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





#64

4,6-Dinitro-2-methylphenol

Concen: 3.19 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.18 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

Instrument :

BNA_F

ClientSampleId :

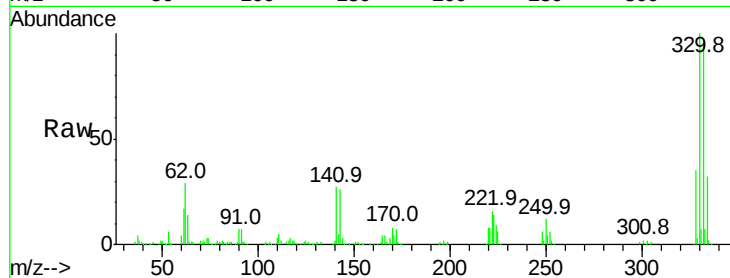
Tot Ion:198 Resp: 1017

Ion Ratio Lower Upper

198 100

51 168.5 77.1 117.1#

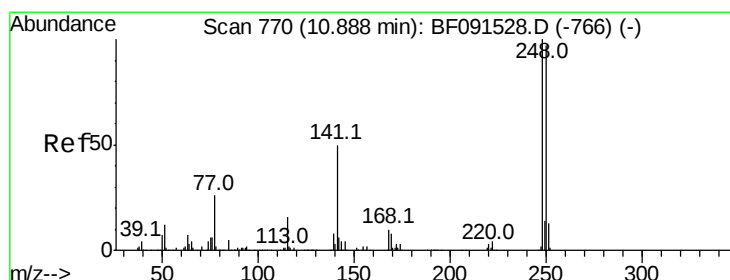
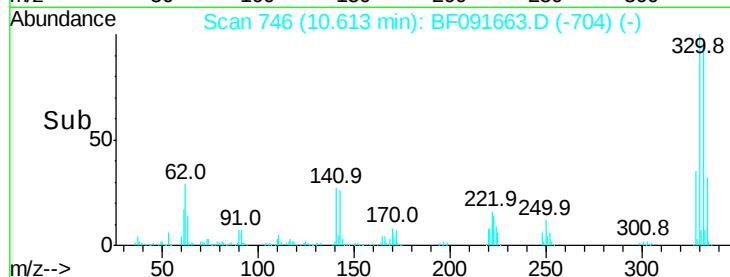
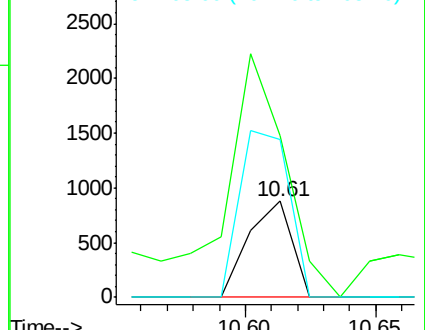
105 165.4 44.8 84.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.41 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.24 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

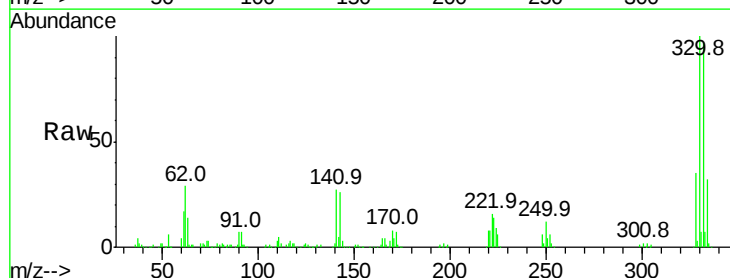
Tgt Ion:248 Resp: 29075

Ion Ratio Lower Upper

248 100

250 199.9 78.2 117.4#

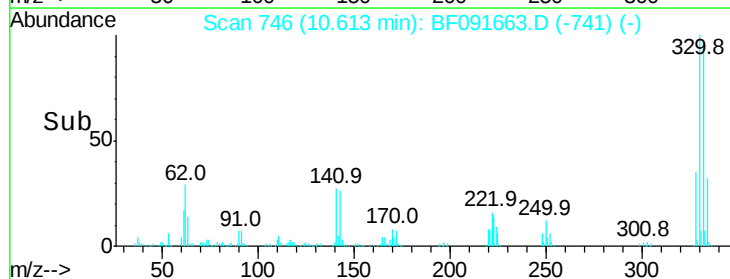
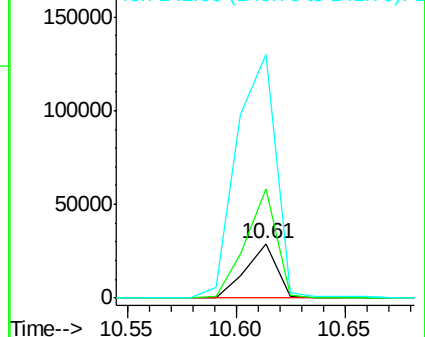
141 445.6 71.9 107.9#

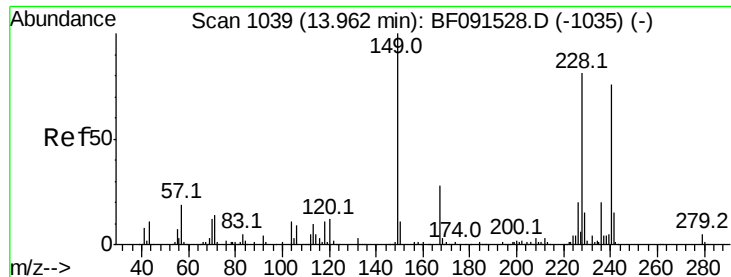


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.94 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

Instrument :

BNA_F

ClientSampleId :

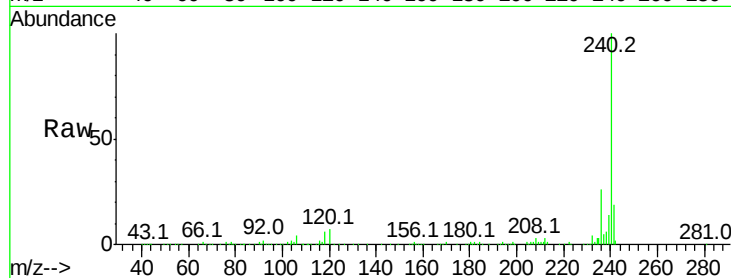
Tot Ion:240 Resp: 458138

Ion Ratio Lower Upper

240 100

120 6.7 12.1 18.1#

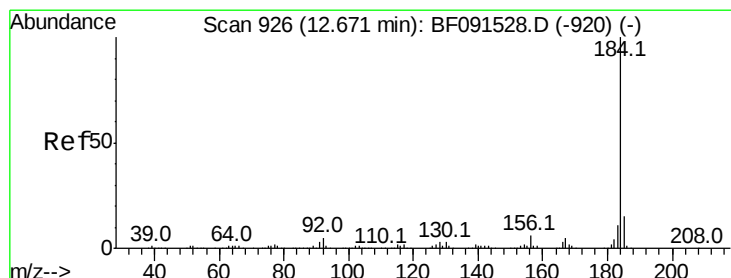
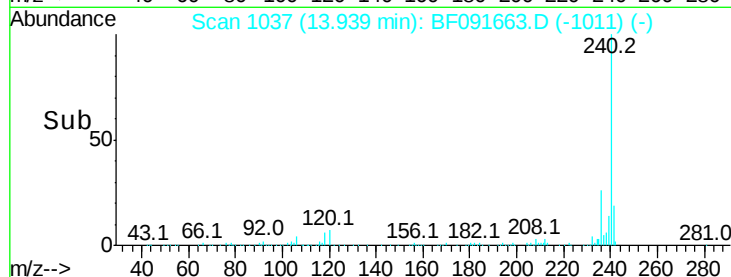
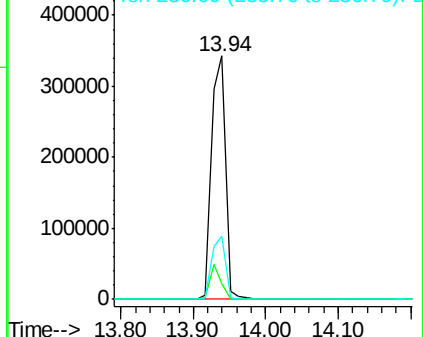
236 25.9 21.0 31.6



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



#76

Benzidine

Concen: 2.11 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

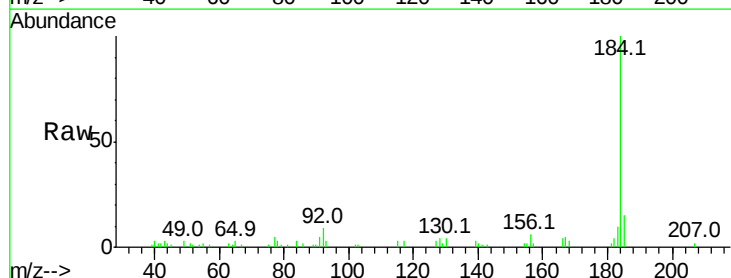
Tgt Ion:184 Resp: 29840

Ion Ratio Lower Upper

184 100

185 14.5 13.1 19.7

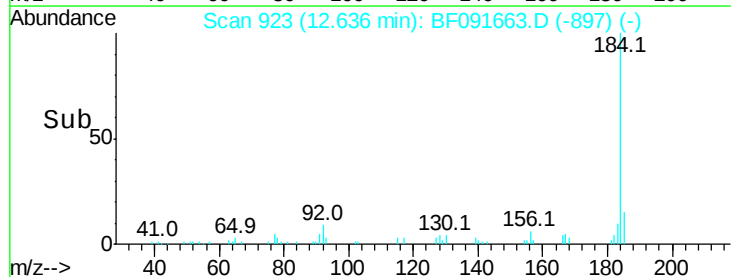
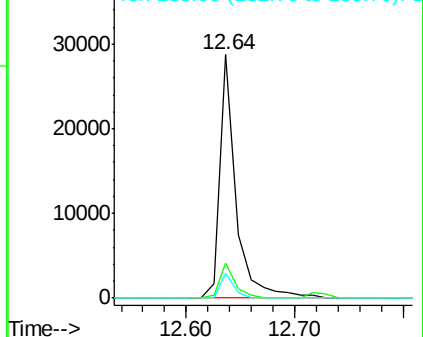
183 10.2 8.9 13.3

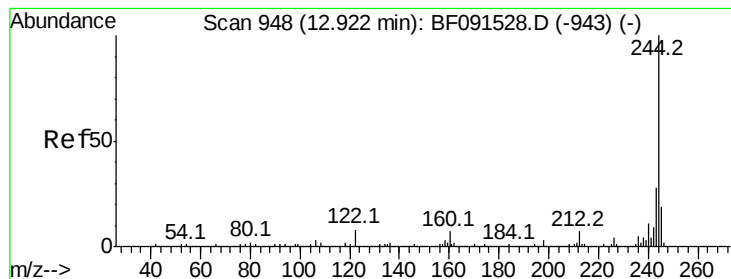


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 84.98 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

Instrument :

BNA_F

ClientSampleId :

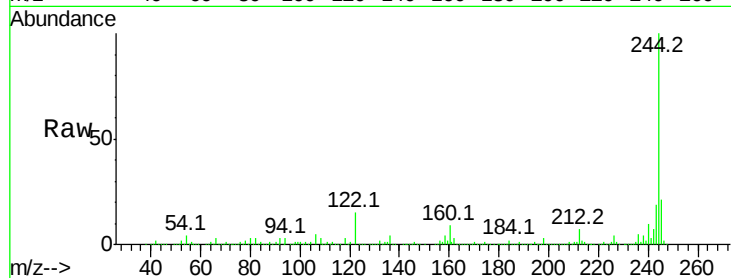
Tot Ion:244 Resp: 1715633

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

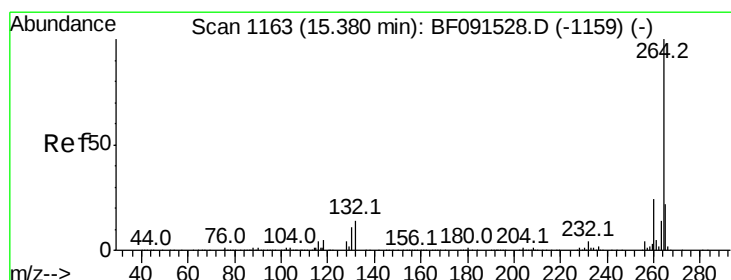
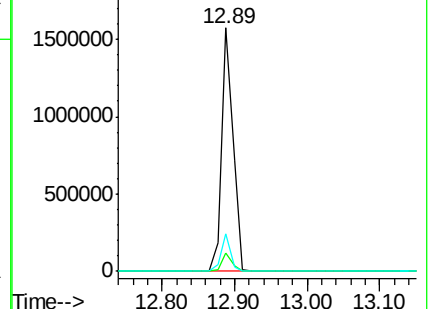
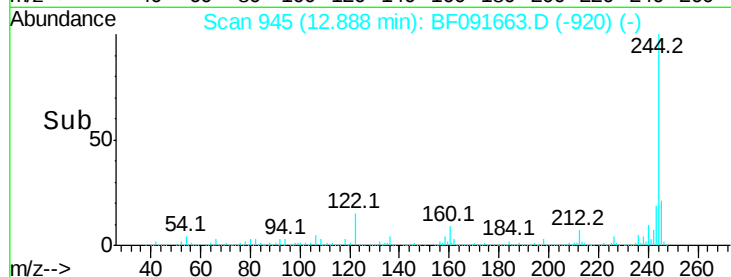
122 15.4 9.5 14.3#



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: 15.35 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BF091663.D

Acq: 16 Dec 2016 8:51

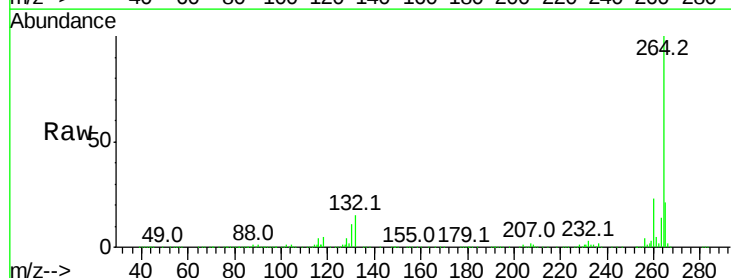
Tgt Ion:264 Resp: 484681

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 21.2 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

