

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
 Data File : BF084778.D
 Acq On : 3 Feb 2016 7:35
 Operator : SJ/IZ
 Sample : H1313-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-23-012916

Quant Time: Feb 03 09:45:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

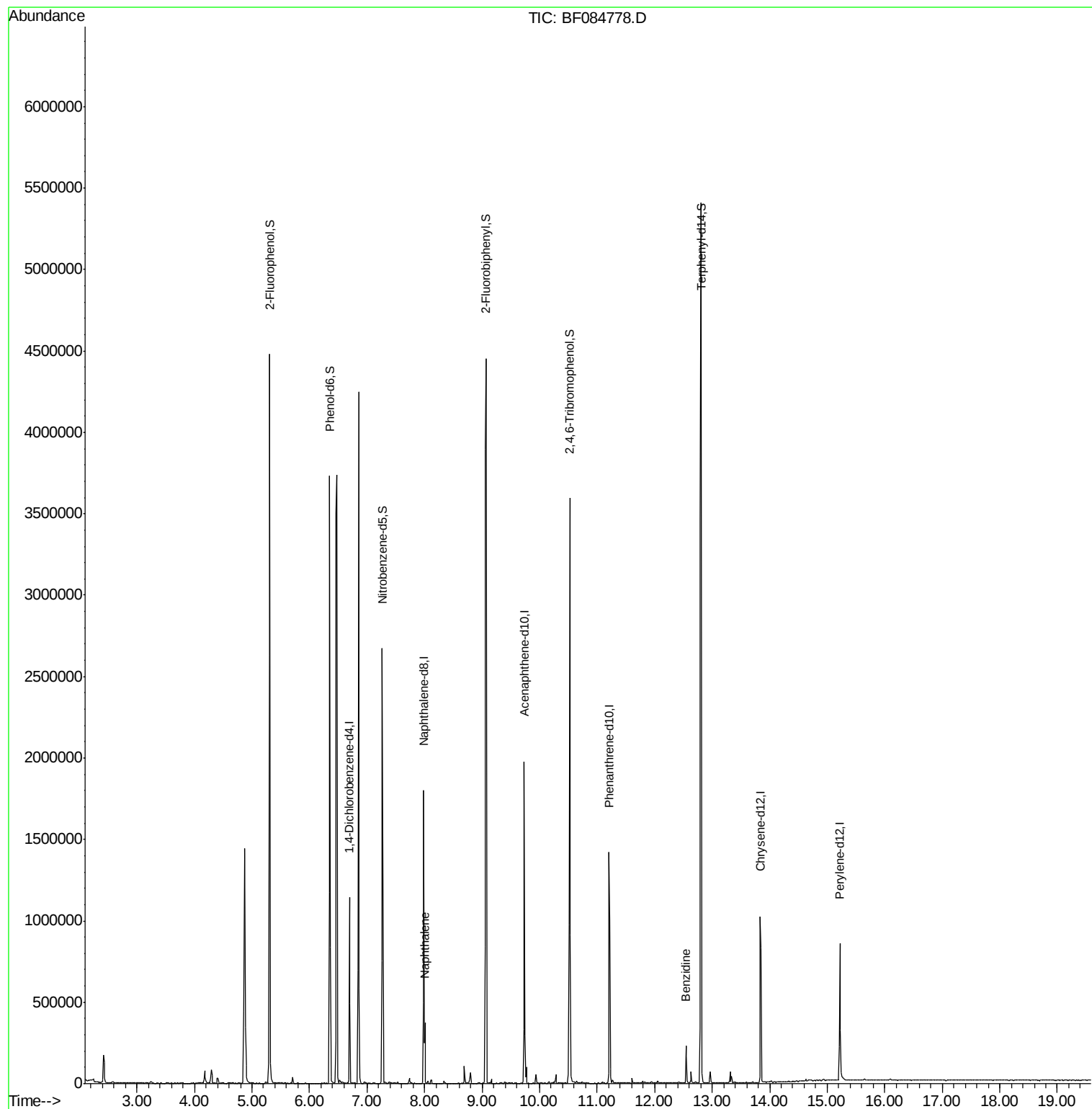
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	184367	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	814034	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	381777	20.00	ng	-0.03
63) Phenanthrene-d10	11.21	188	691397	20.00	ng	-0.03
75) Chrysene-d12	13.84	240	497161	20.00	ng	-0.03
86) Perylene-d12	15.22	264	376785	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1431653	120.95	ng	0.00
7) Phenol-d6	6.35	99	1406023	95.82	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1091956	75.57	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	478536	120.17	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2137787	100.39	ng	-0.02
78) Terphenyl-d14	12.81	244	2072914	94.48	ng	-0.02
Target Compounds						
31) Naphthalene	8.01	128	186071	4.56	ng	98
76) Benzidine	12.55	184	121452	11.60	ng	98

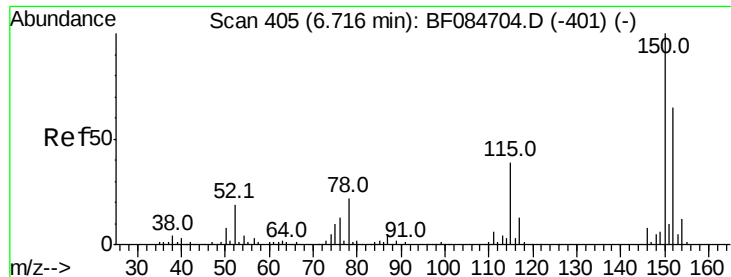
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

BNA_F

ClientSampleId :

HSR-WC-23-012916

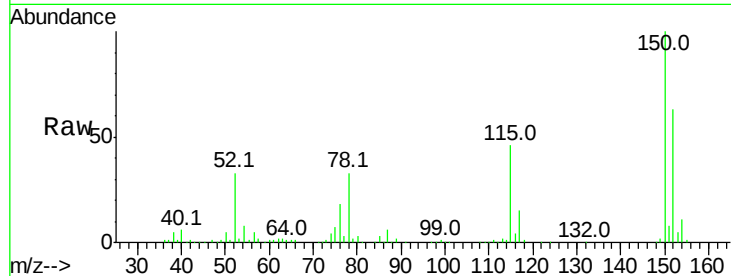
Tot Ion:152 Resp: 184367

Ion Ratio Lower Upper

152 100

150 157.6 123.0 184.4

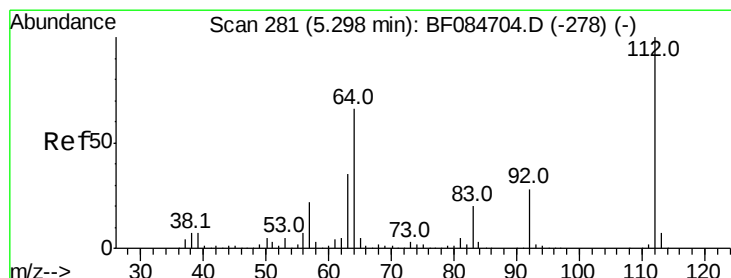
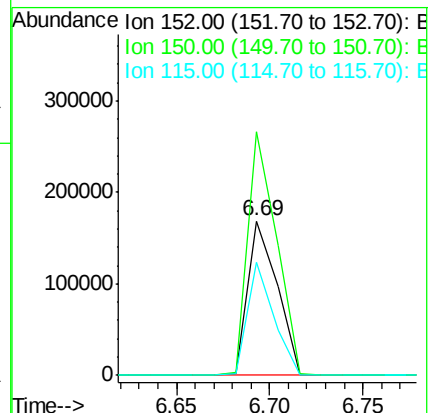
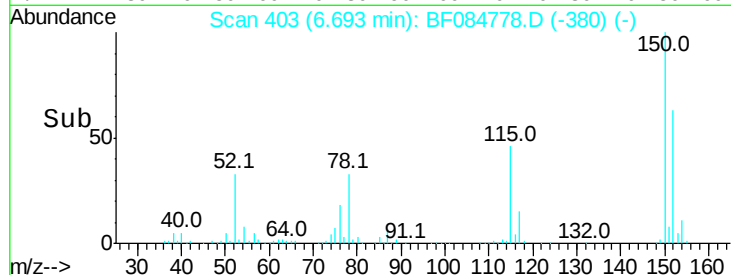
115 72.9 51.4 77.2



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



#5

2-Fluorophenol

Concen: 120.95 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

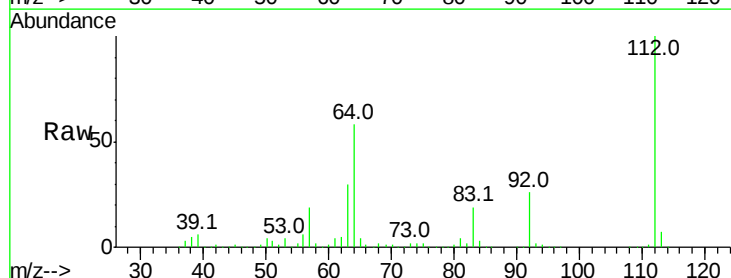
Tgt Ion:112 Resp: 1431653

Ion Ratio Lower Upper

112 100

64 57.8 36.6 55.0#

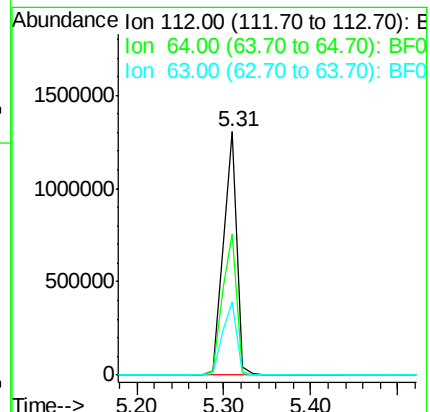
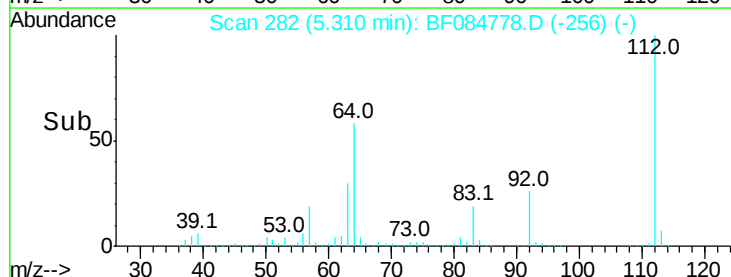
63 30.4 19.4 29.0#

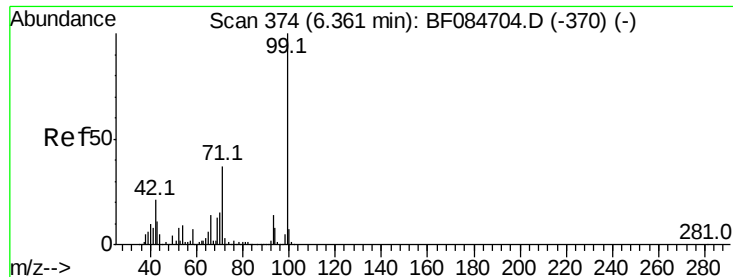


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.82 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

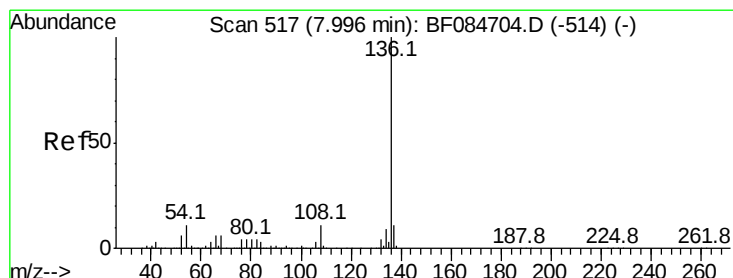
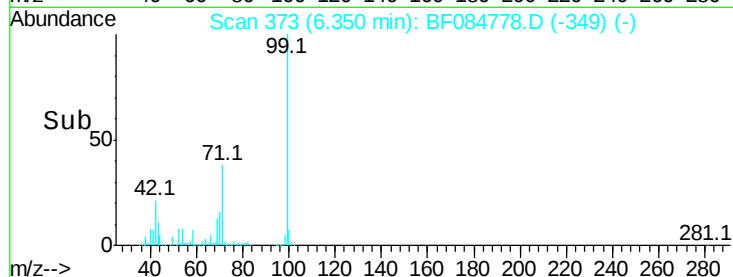
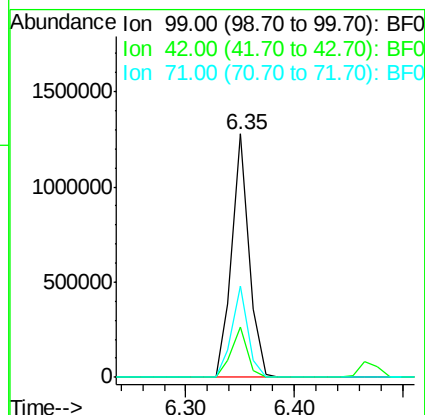
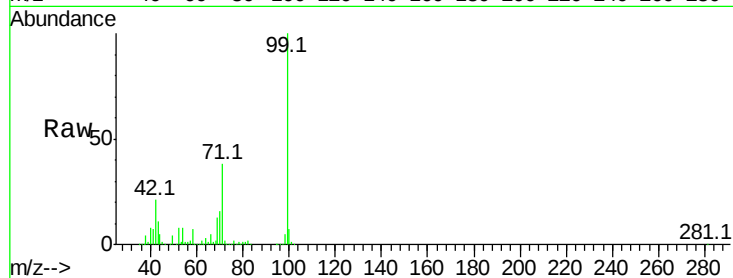
BNA_F

ClientSampleId :

HSR-WC-23-012916

Tot Ion: 99 Resp: 1406023

Ion	Ratio	Lower	Upper
99	100		
42	20.7	12.8	19.2#
71	37.5	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

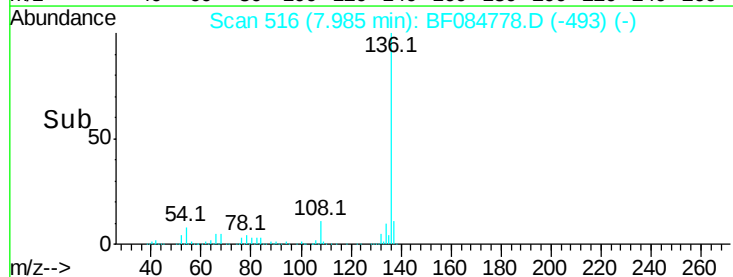
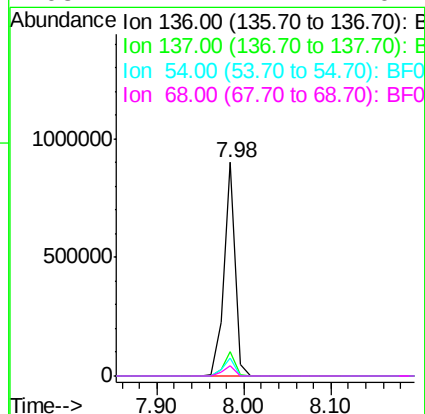
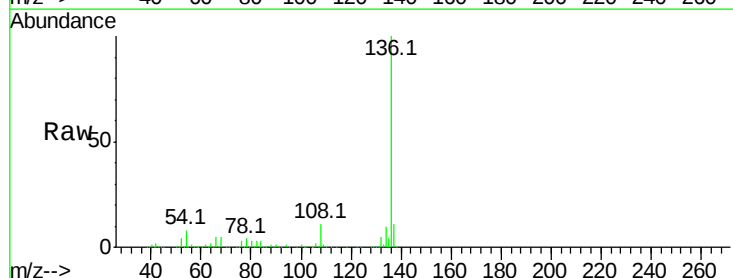
Delta R.T. -0.03 min

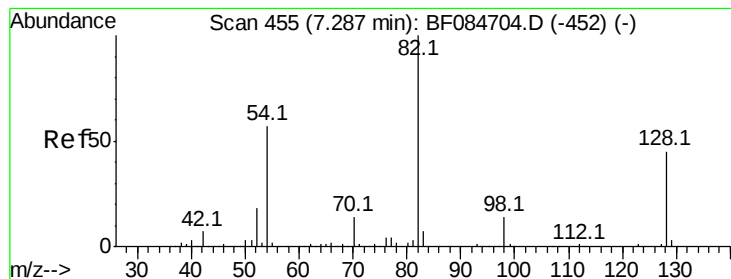
Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Tgt Ion: 136 Resp: 814034

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	8.1	5.8	8.8
68	4.7	4.2	6.2





#23

Nitrobenzene-d5

Concen: 75.57 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

BNA_F

ClientSampleId :

HSR-WC-23-012916

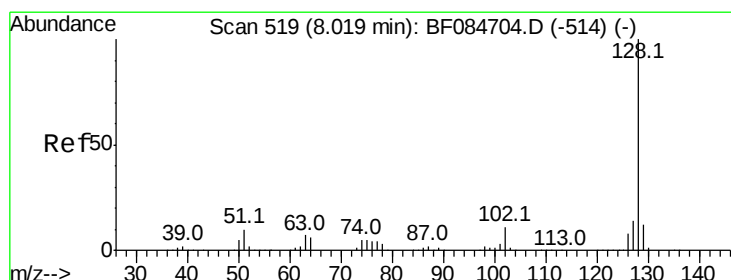
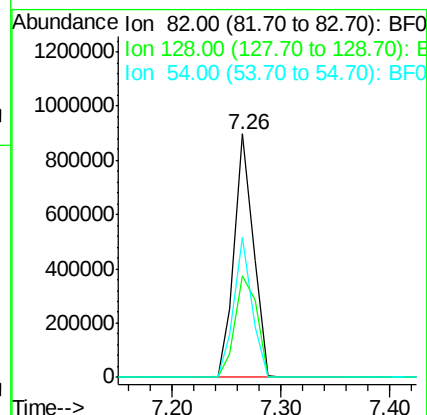
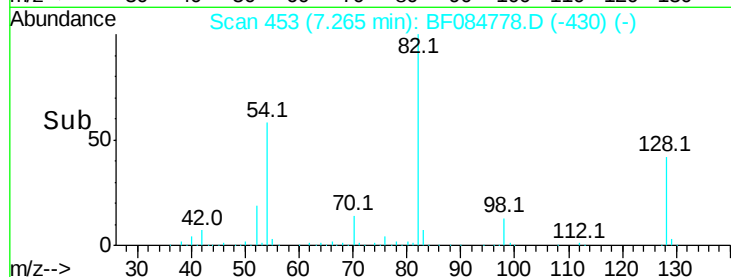
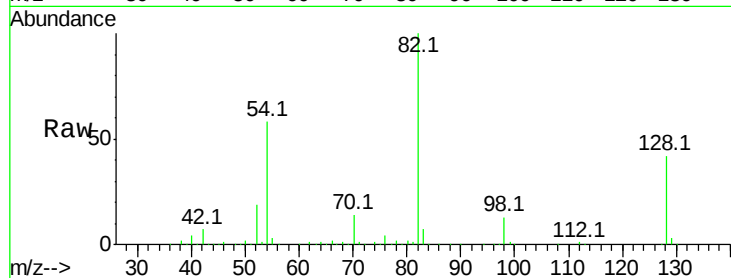
Tot Ion: 82 Resp: 1091956

Ion Ratio Lower Upper

82 100

128 41.9 34.6 51.8

54 57.7 38.4 57.6#



#31

Naphthalene

Concen: 4.56 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

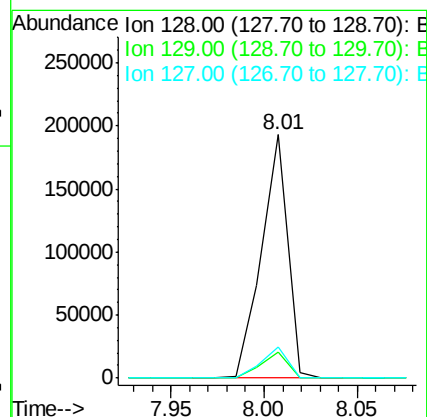
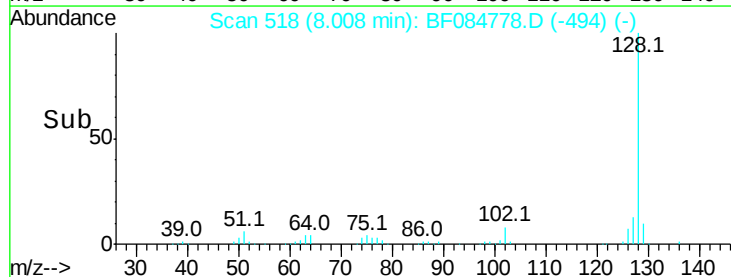
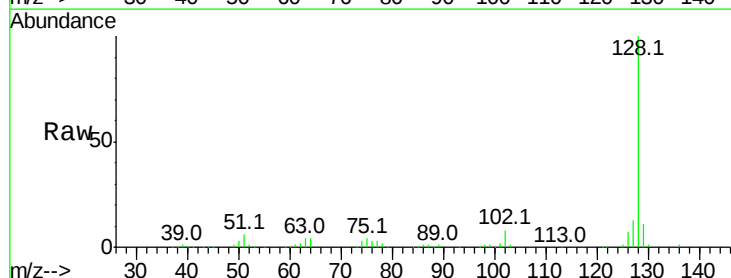
Tgt Ion:128 Resp: 186071

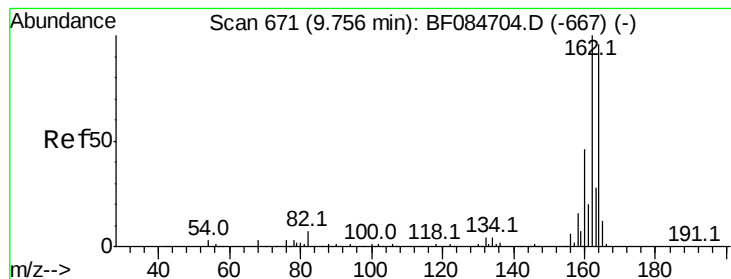
Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

127 12.7 11.1 16.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

BNA_F

ClientSampleId :

HSR-WC-23-012916

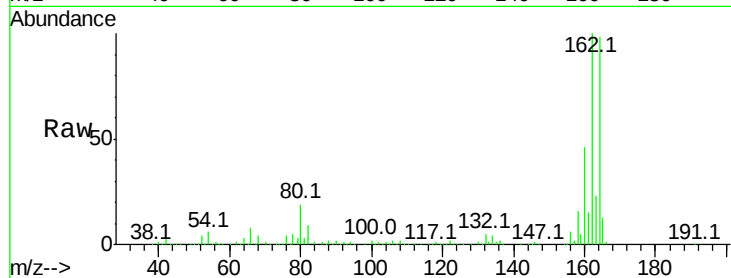
Tot Ion:164 Resp: 381777

Ion Ratio Lower Upper

164 100

162 102.1 85.1 127.7

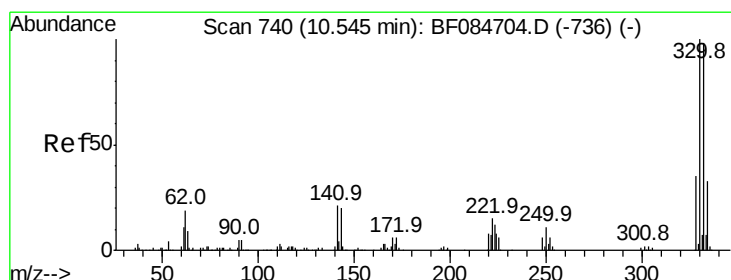
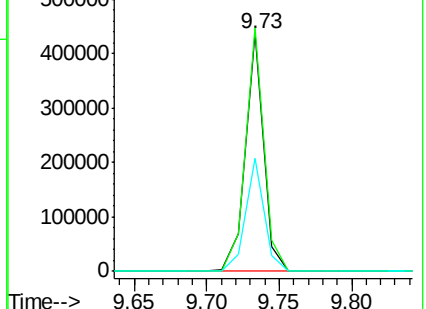
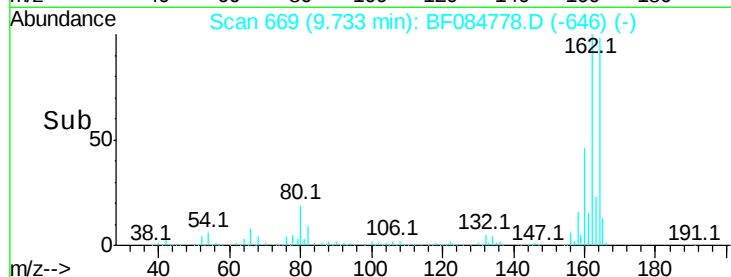
160 47.4 37.5 56.3



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: 120.17 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

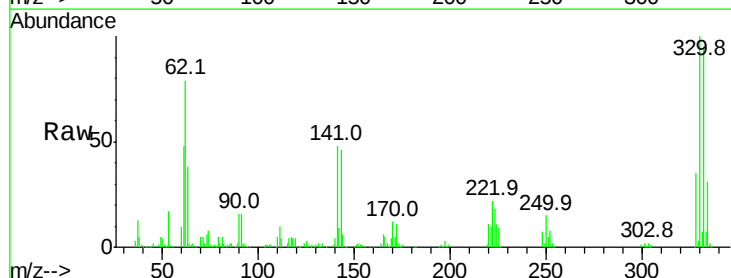
Tgt Ion:330 Resp: 478536

Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

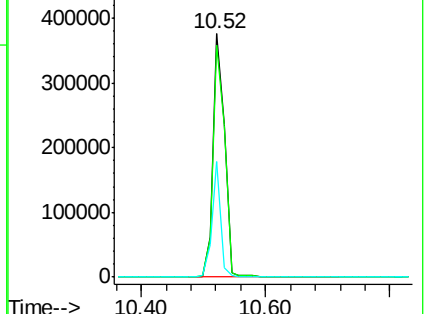
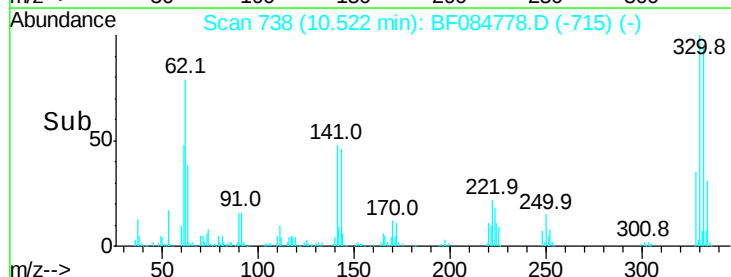
141 36.4 27.8 41.6

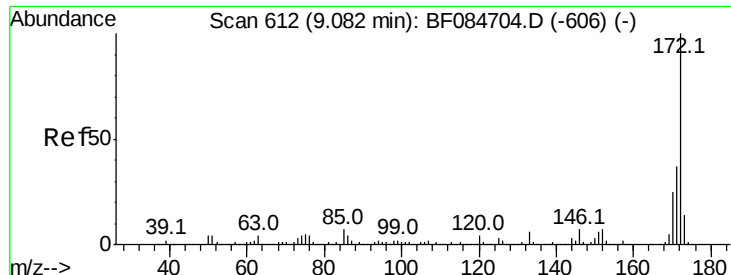


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

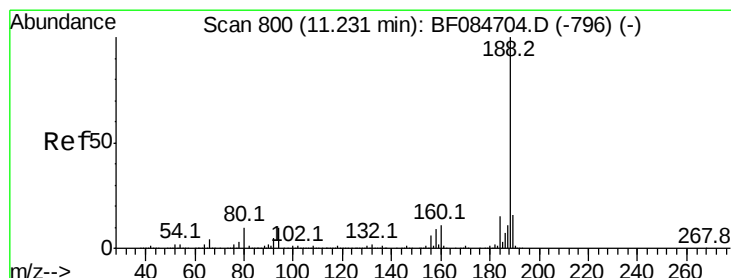
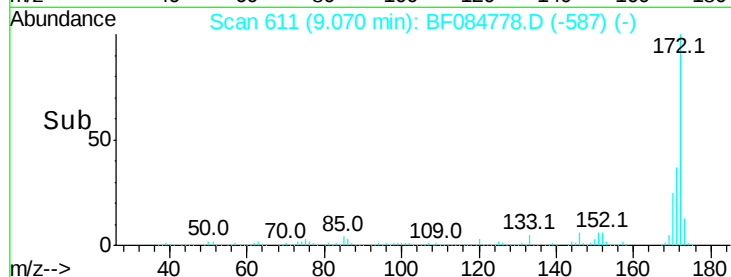
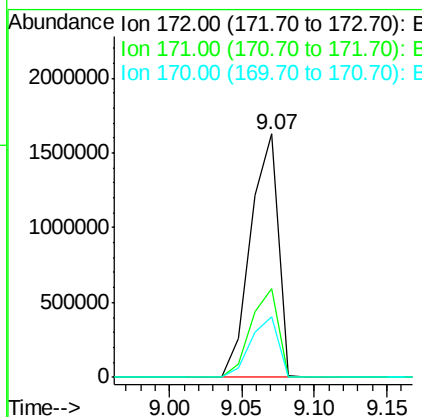
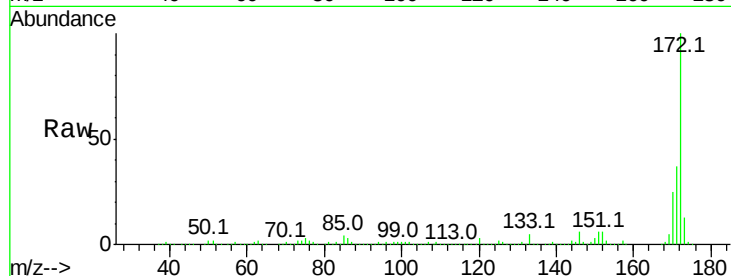




#44
2-Fluorobiphenyl
Concen: 100.39 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.02 min
Lab File: BF084778.D
Acq: 3 Feb 2016 7:35

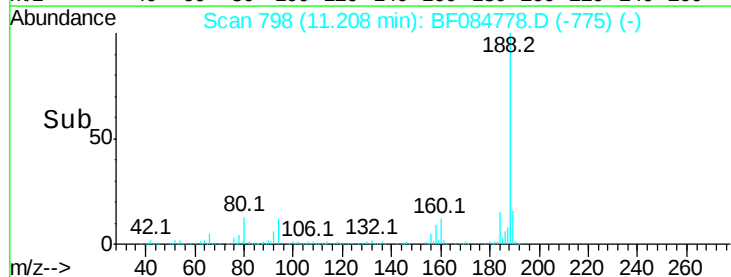
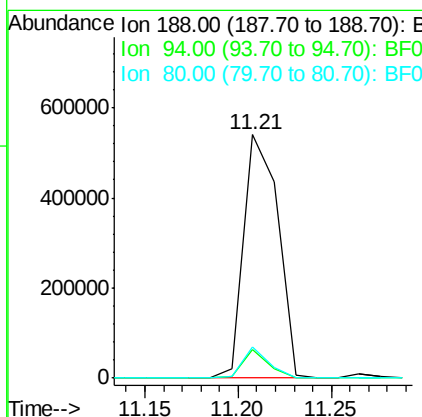
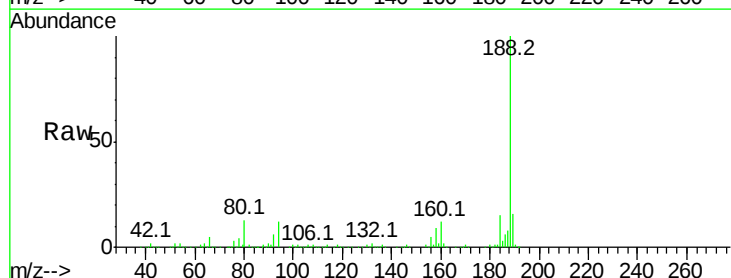
Instrument :
BNA_F
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HSR-WC-23-012916

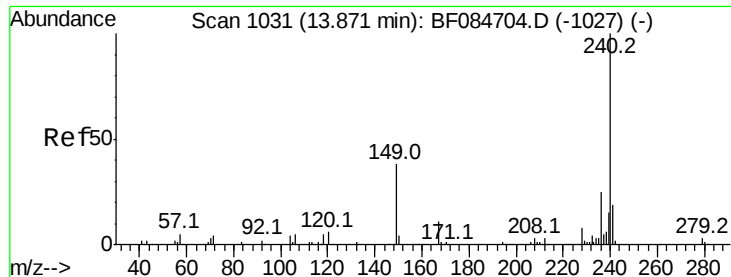
Tot Ion:172 Resp: 2137787
Ion Ratio Lower Upper
172 100
171 36.6 28.9 43.3
170 24.8 18.6 27.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 798
Delta R.T. -0.03 min
Lab File: BF084778.D
Acq: 3 Feb 2016 7:35

Tgt Ion:188 Resp: 691397
Ion Ratio Lower Upper
188 100
94 11.9 9.0 13.4
80 12.8 9.6 14.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

BNA_F

ClientSampleId :

HSR-WC-23-012916

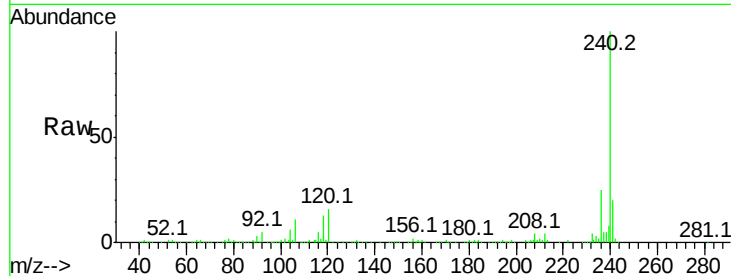
Tot Ion:240 Resp: 497161

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

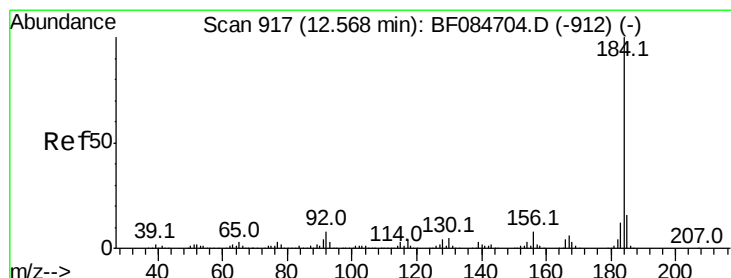
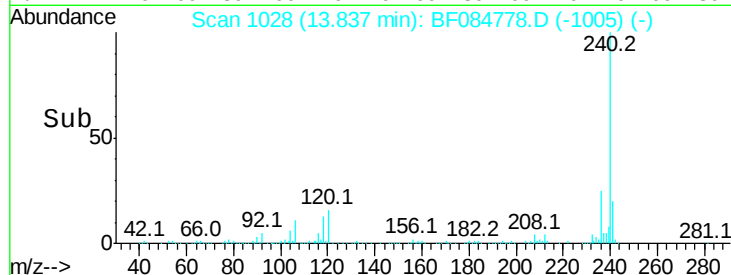
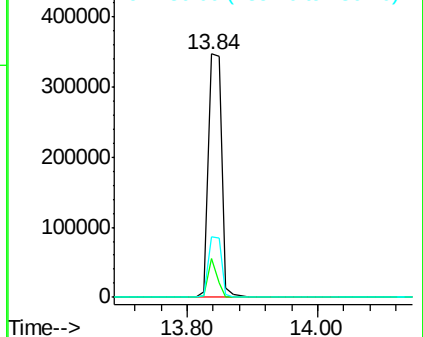
236 24.7 20.6 31.0



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: 11.60 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

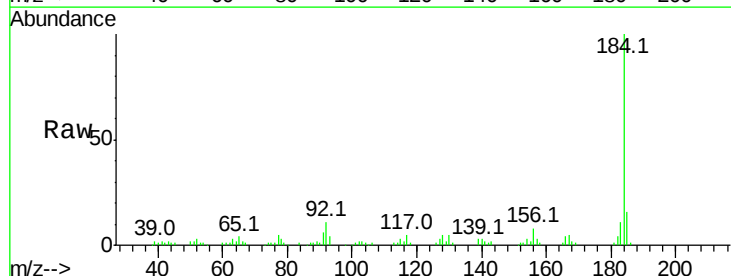
Tgt Ion:184 Resp: 121452

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

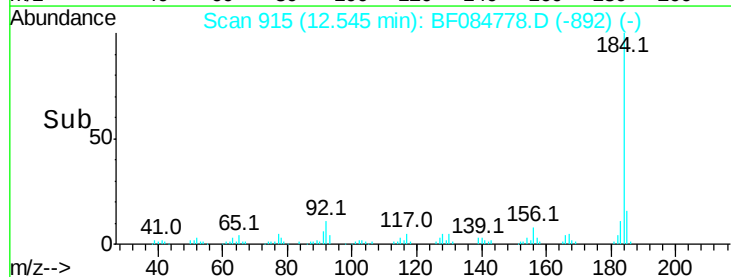
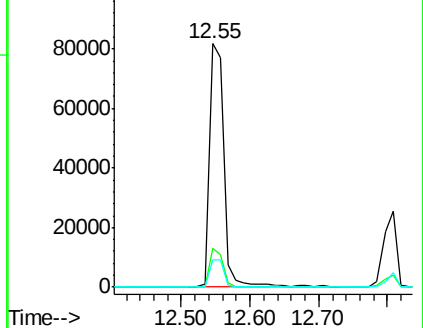
183 11.2 9.8 14.8

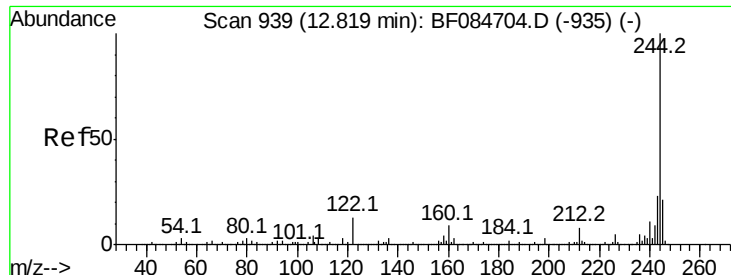


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.48 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

BNA_F

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HSR-WC-23-012916

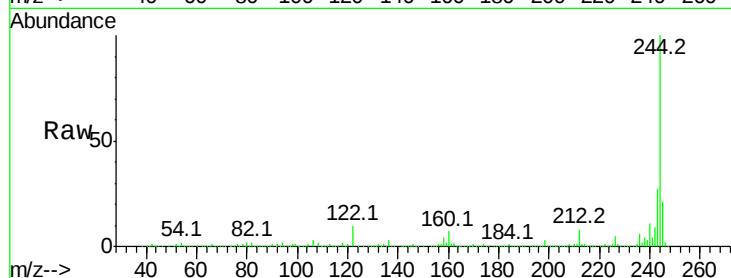
Tot Ion:244 Resp: 2072914

Ion Ratio Lower Upper

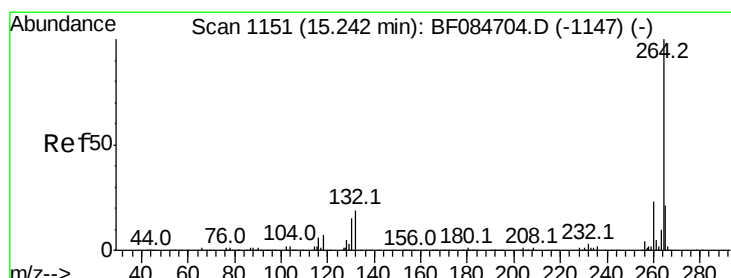
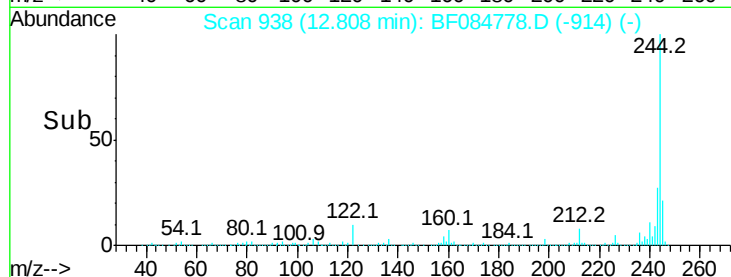
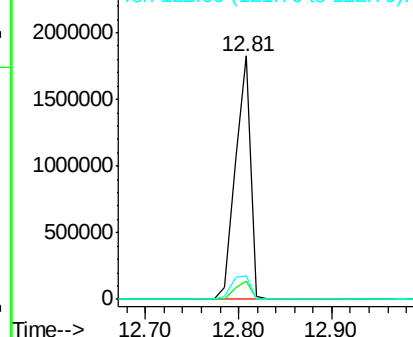
244 100

212 7.6 5.7 8.5

122 9.8 7.4 11.0



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: 15.22 min Scan# 1149

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

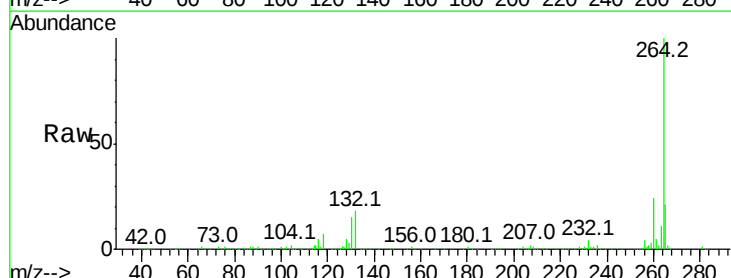
Tgt Ion:264 Resp: 376785

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.2 17.8 26.6



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

