

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
 Data File : BF086992.D
 Acq On : 14 May 2016 1:44
 Operator : UM/SJ
 Sample : H2894-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP25-6-7FT

Quant Time: May 14 03:36:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 23:02:21 2016
 Response via : Initial Calibration

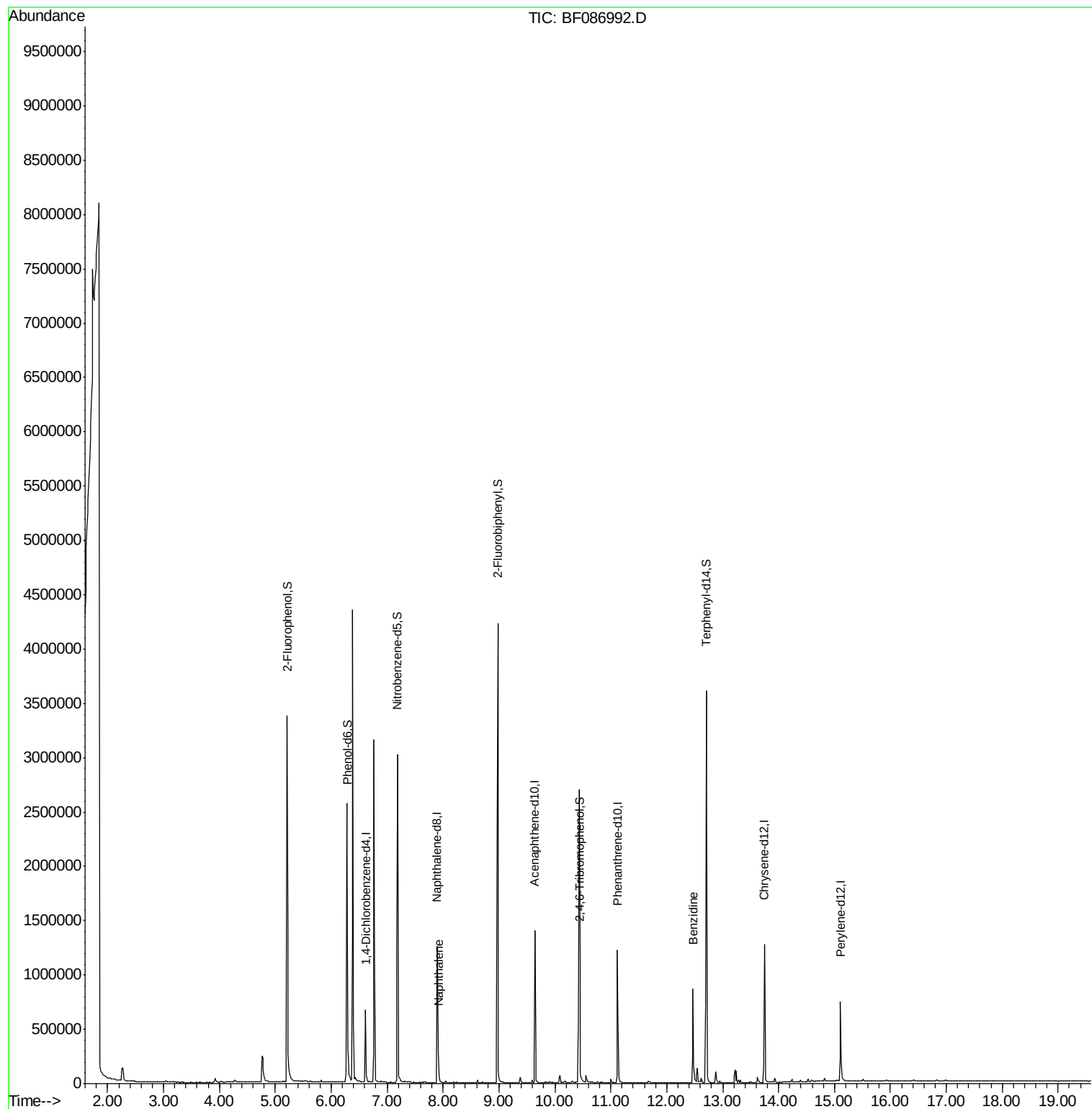
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	130803	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	536954	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	264785	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	505272	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	412432	20.00	ng	-0.01
86) Perylene-d12	15.11	264	299111	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	943175	122.11	ng	0.01
7) Phenol-d6	6.28	99	1220852	118.27	ng	0.00
23) Nitrobenzene-d5	7.19	82	985853	92.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	369416	131.78	ng	0.00
44) 2-Fluorobiphenyl	8.98	172	1552370	98.53	ng	0.00
78) Terphenyl-d14	12.71	244	1572289	80.88	ng	-0.01
Target Compounds						
31) Naphthalene	7.92	128	117586	4.37	ng	99
76) Benzidine	12.47	184	388709	36.97	ng	96

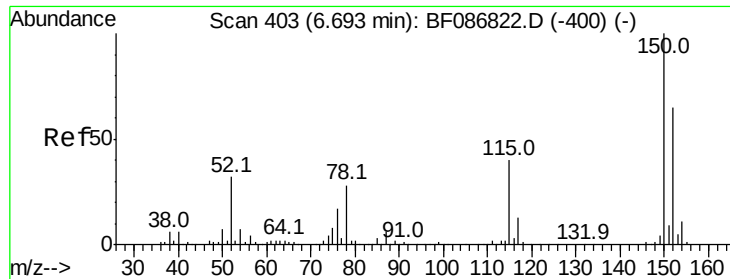
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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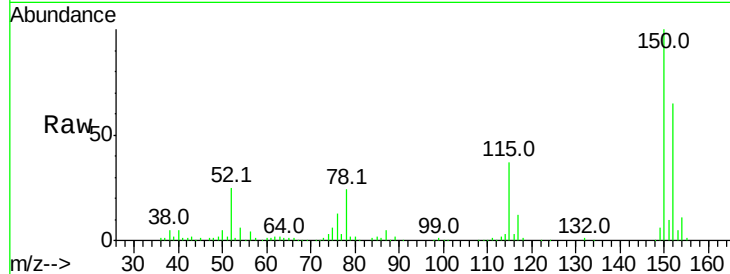


#1

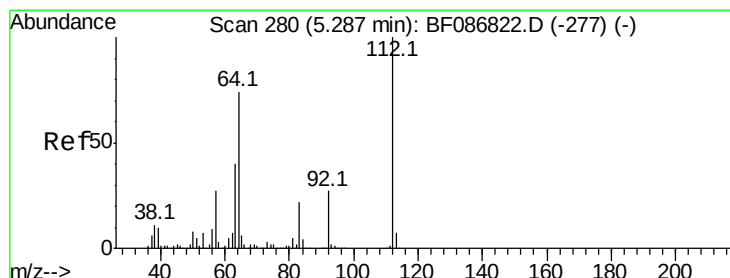
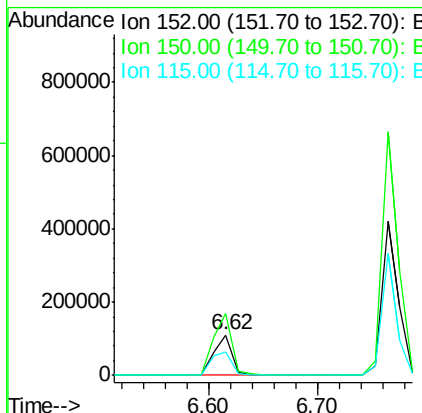
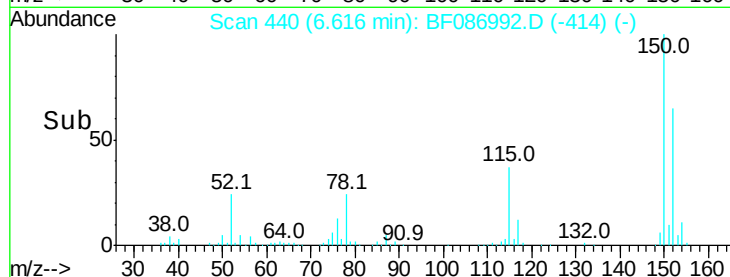
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF086992.D
Acq: 14 May 2016 1:44

Instrument :
BNA_F
ClientSampleId :
TP25-6-7FT

Tot Ion:152 Resp: 130803
Ion Ratio Lower Upper
152 100
150 153.9 125.8 188.6
115 56.3 51.5 77.3



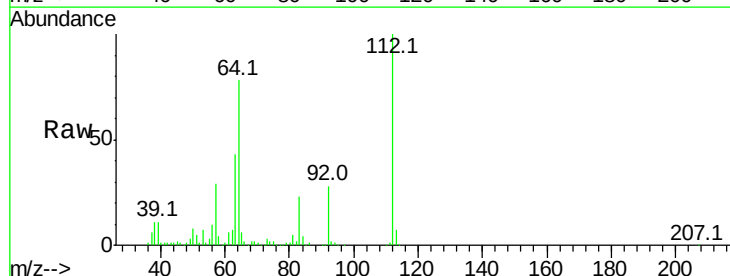
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



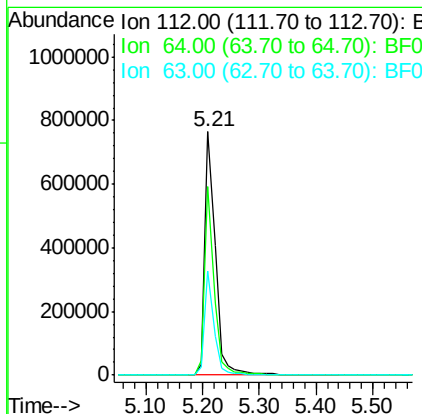
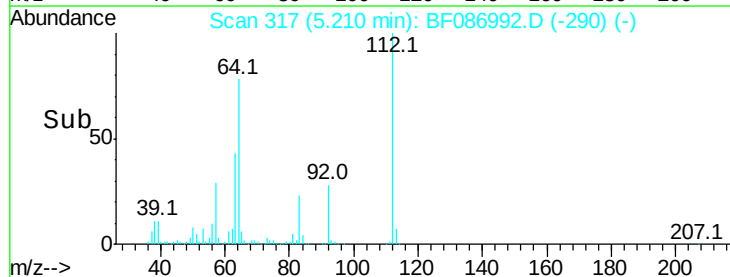
#5

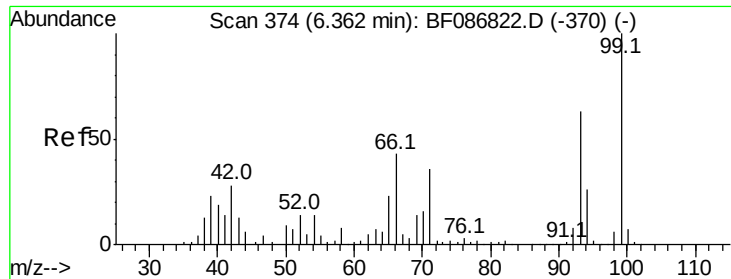
2-Fluorophenol
Concen: 122.11 ng
RT: 5.21 min Scan# 317
Delta R.T. 0.01 min
Lab File: BF086992.D
Acq: 14 May 2016 1:44

Tgt Ion:112 Resp: 943175
Ion Ratio Lower Upper
112 100
64 77.7 52.1 78.1
63 42.8 25.7 38.5#



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: 118.27 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF086992.D

Acq: 14 May 2016 1:44

Instrument :

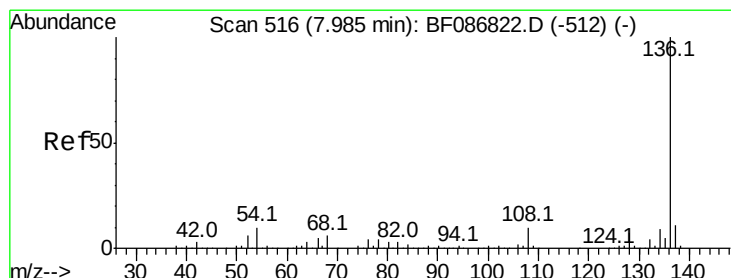
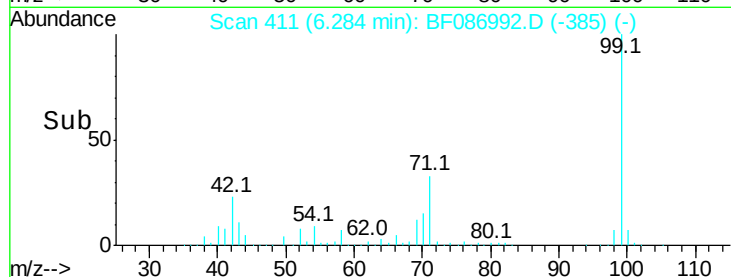
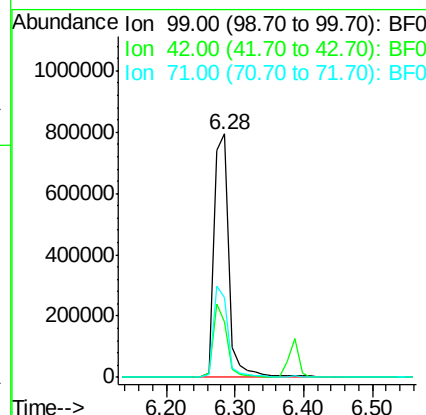
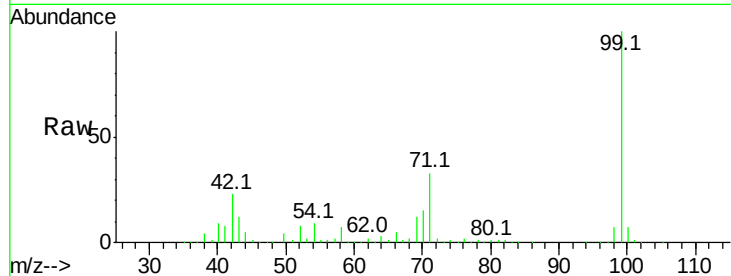
BNA_F

ClientSampled :

TP25-6-7FT

Tot Ion: 99 Resp: 1220852

Ion	Ratio	Lower	Upper
99	100		
42	22.6	13.6	20.4#
71	32.9	24.6	36.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

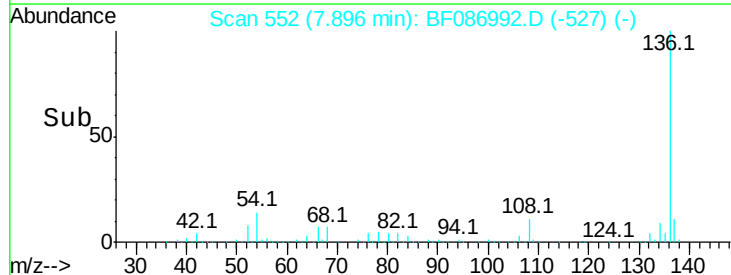
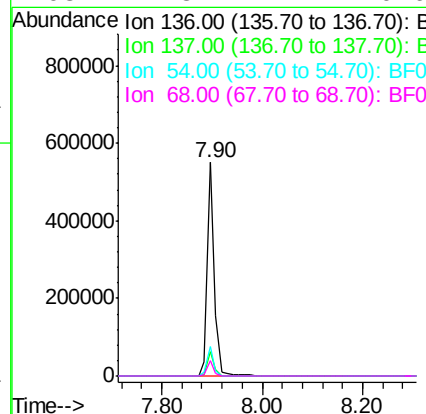
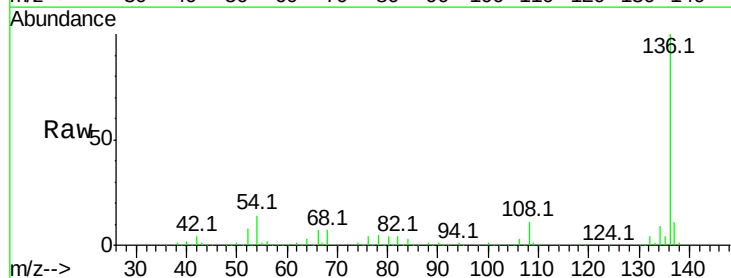
Delta R.T. -0.01 min

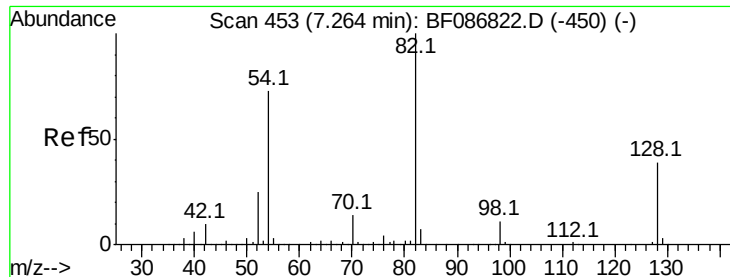
Lab File: BF086992.D

Acq: 14 May 2016 1:44

Tgt Ion: 136 Resp: 536954

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	13.9	5.0	7.4#
68	7.3	4.4	6.6#





#23

Nitrobenzene-d5

Concen: 92.19 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF086992.D

Acq: 14 May 2016 1:44

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

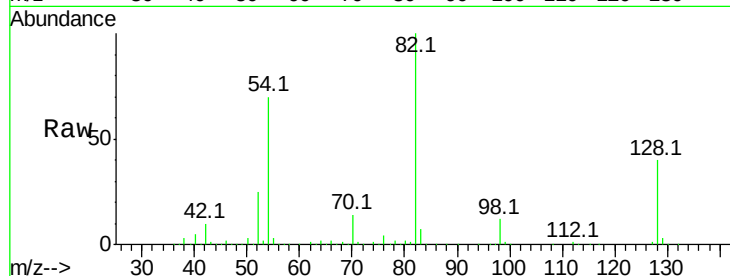
Tot Ion: 82 Resp: 985853

Ion Ratio Lower Upper

82 100

128 39.8 40.6 61.0#

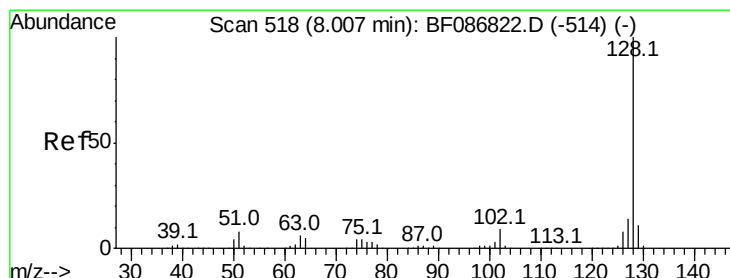
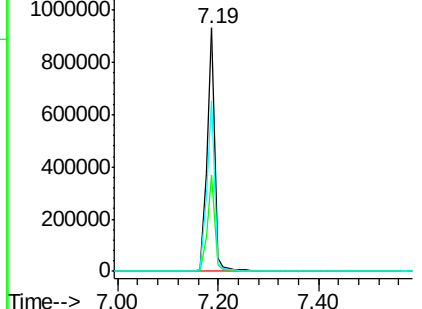
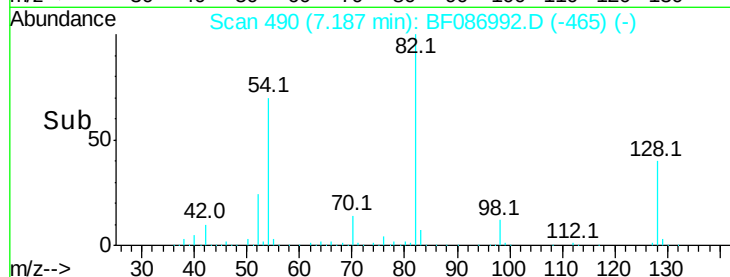
54 70.0 38.1 57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 4.37 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF086992.D

Acq: 14 May 2016 1:44

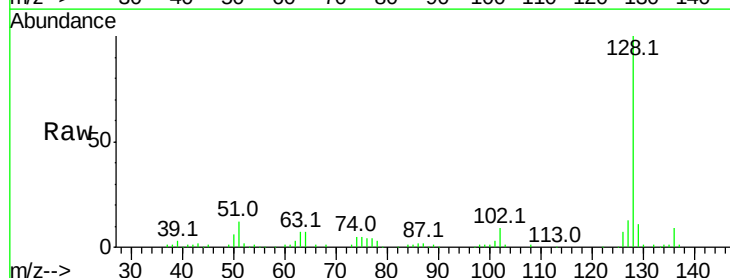
Tgt Ion: 128 Resp: 117586

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

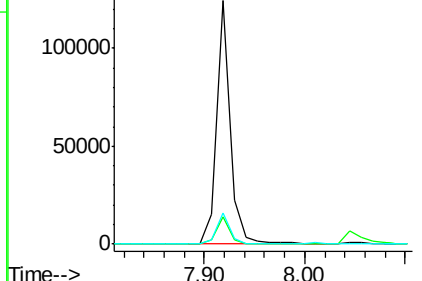
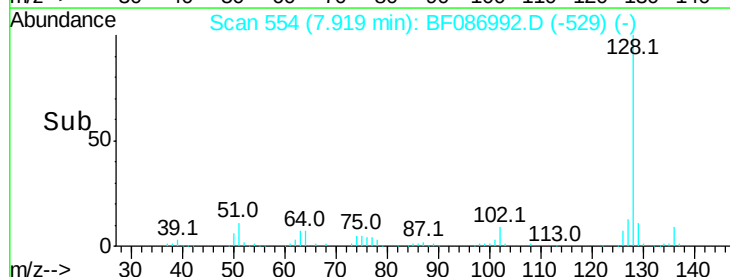
127 12.9 10.8 16.2

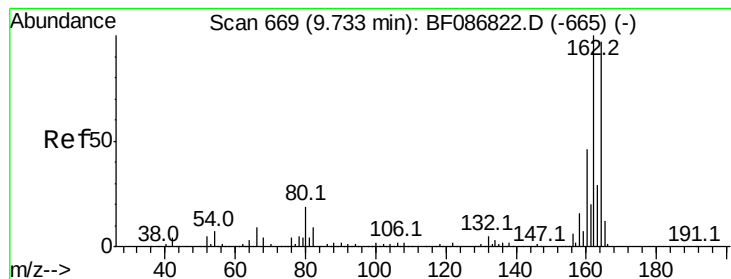


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF086992.D

Acq: 14 May 2016 1:44

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

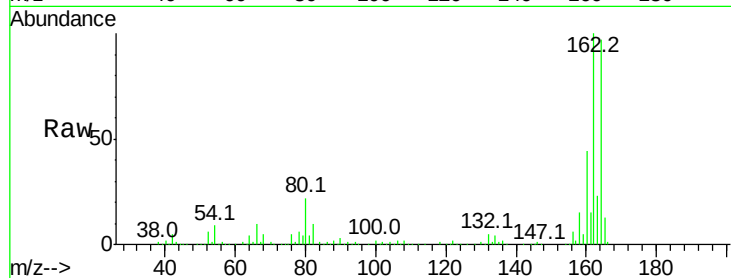
Tot Ion:164 Resp: 264785

Ion Ratio Lower Upper

164 100

162 103.6 82.8 124.2

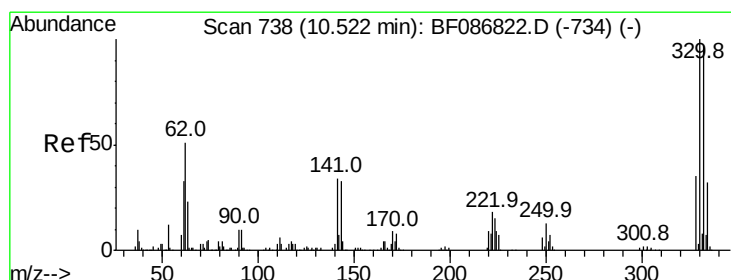
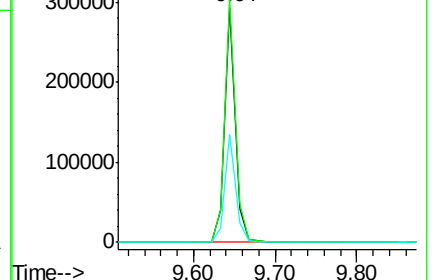
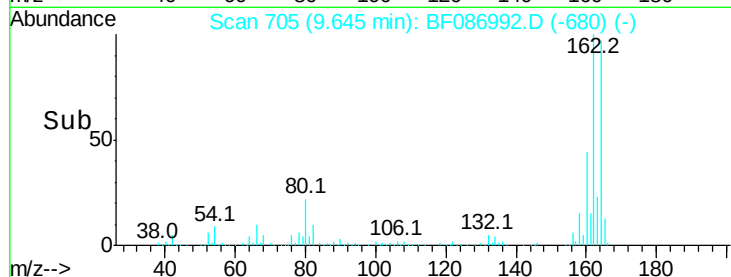
160 46.1 36.9 55.3



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: 131.78 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.00 min

Lab File: BF086992.D

Acq: 14 May 2016 1:44

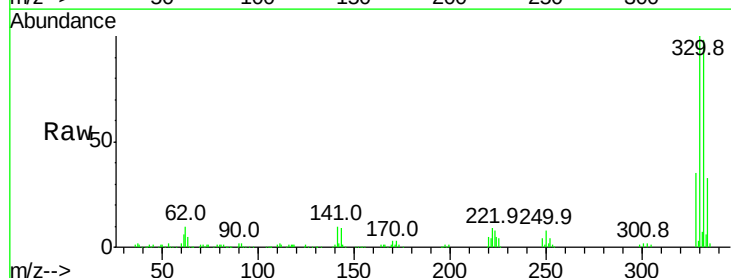
Tgt Ion:330 Resp: 369416

Ion Ratio Lower Upper

330 100

332 96.4 79.0 118.4

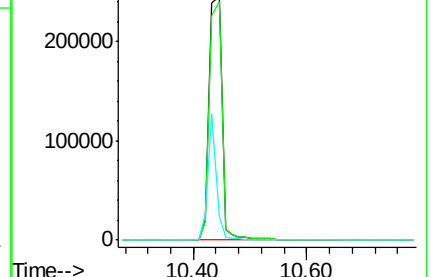
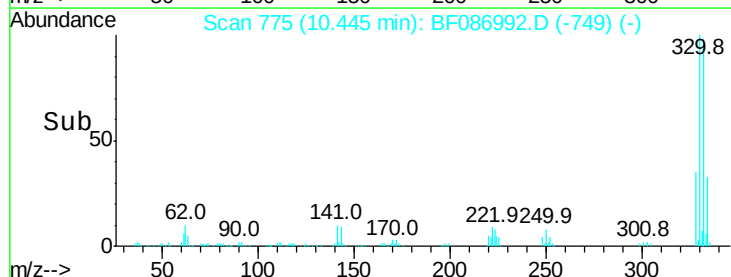
141 34.8 31.2 46.8

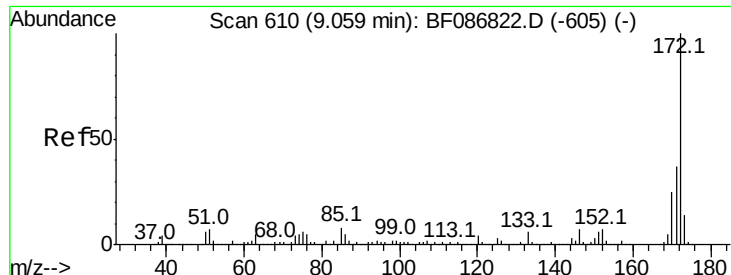


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

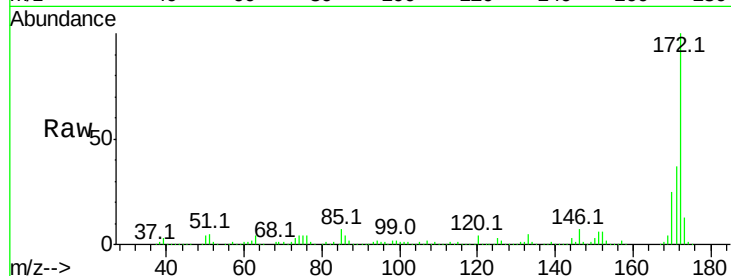




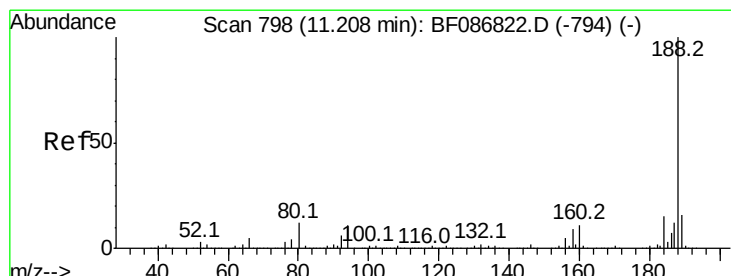
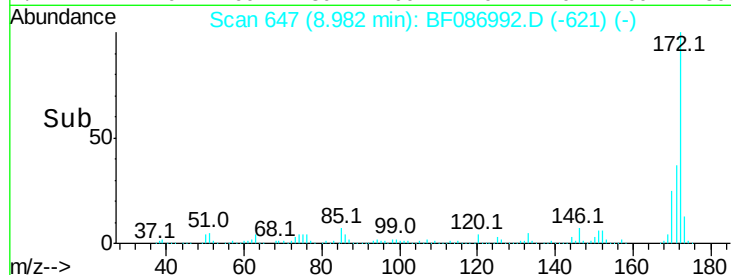
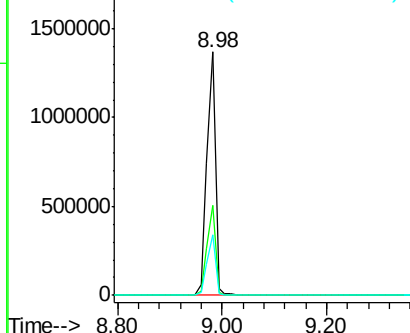
#44
 2-Fluorobiphenyl
 Concen: 98.53 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: BF086992.D
 Acq: 14 May 2016 1:44

Instrument :
 BNA_F
 ClientSampleId :
 TP25-6-7FT

Tot Ion:172 Resp: 1552370
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.0 43.6
 170 24.9 19.8 29.8

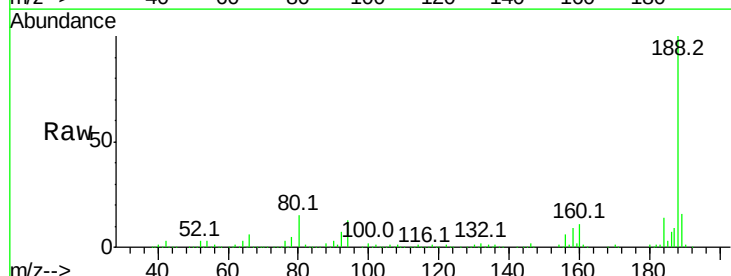


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

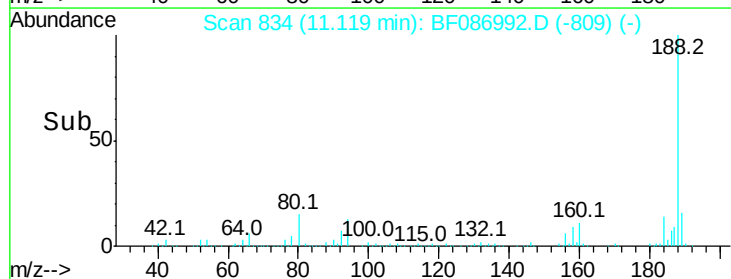
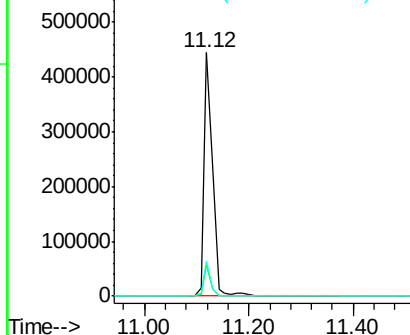


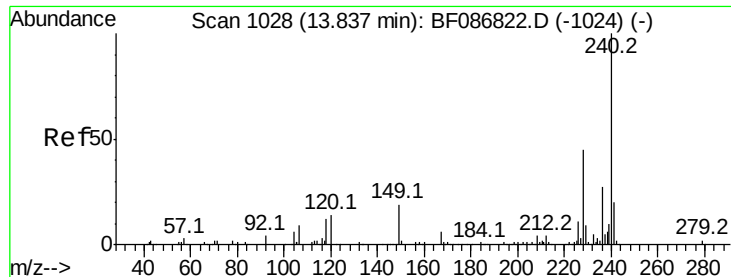
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: BF086992.D
 Acq: 14 May 2016 1:44

Tgt Ion:188 Resp: 505272
 Ion Ratio Lower Upper
 188 100
 94 13.0 6.8 10.2#
 80 14.6 7.1 10.7#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF086992.D

Acq: 14 May 2016 1:44

Instrument :

BNA_F

ClientSampleId :

TP25-6-7FT

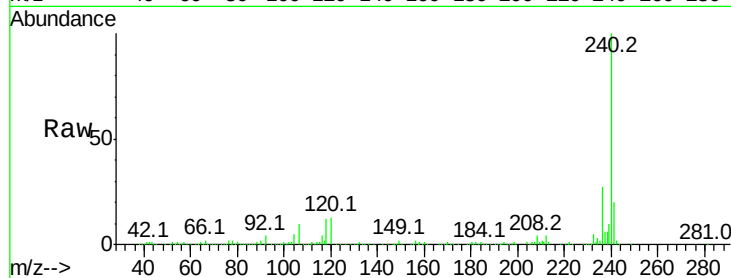
Tot Ion:240 Resp: 412432

Ion Ratio Lower Upper

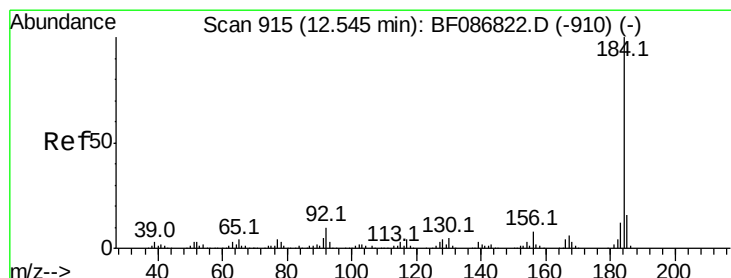
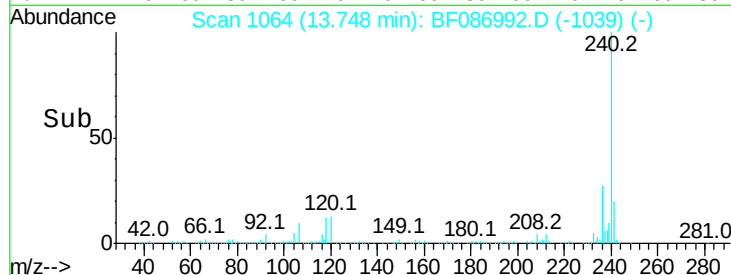
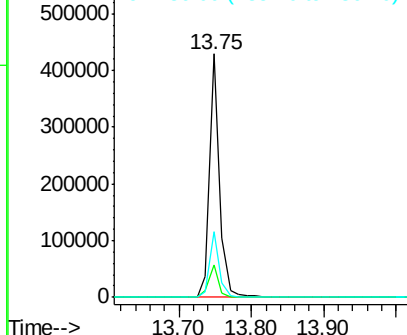
240 100

120 13.3 11.2 16.8

236 26.9 21.2 31.8



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: 36.97 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF086992.D

Acq: 14 May 2016 1:44

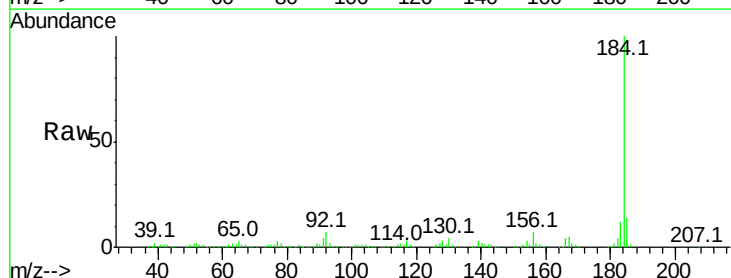
Tgt Ion:184 Resp: 388709

Ion Ratio Lower Upper

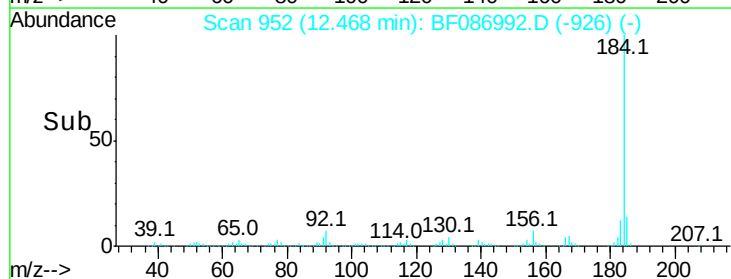
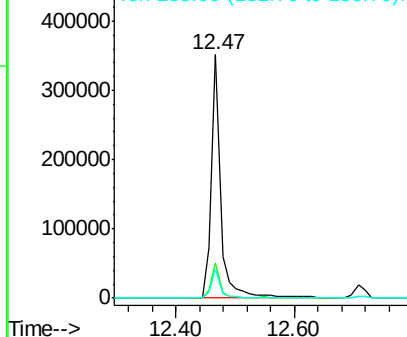
184 100

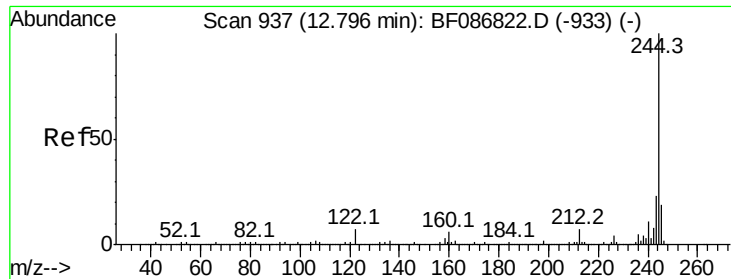
185 14.2 13.6 20.4

183 11.7 9.8 14.6



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: 80.88 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF086992.D

Acq: 14 May 2016 1:44

Instrument :

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TP25-6-7FT

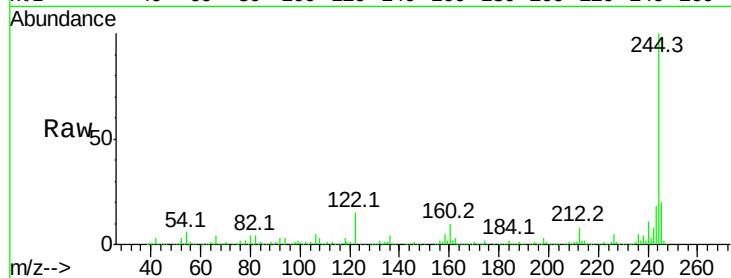
Tot Ion:244 Resp: 1572289

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

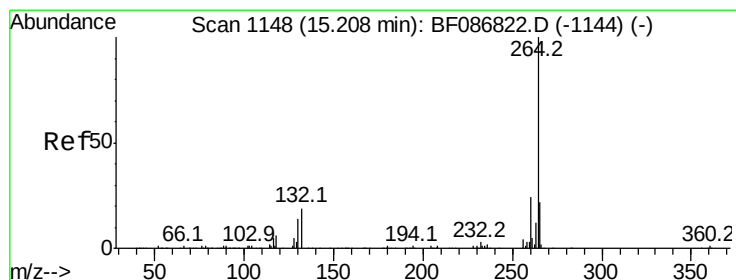
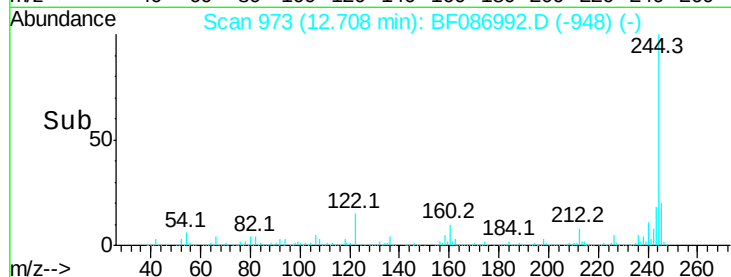
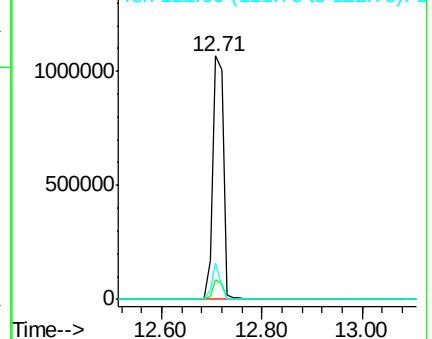
122 14.8 12.0 18.0



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: 15.11 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF086992.D

Acq: 14 May 2016 1:44

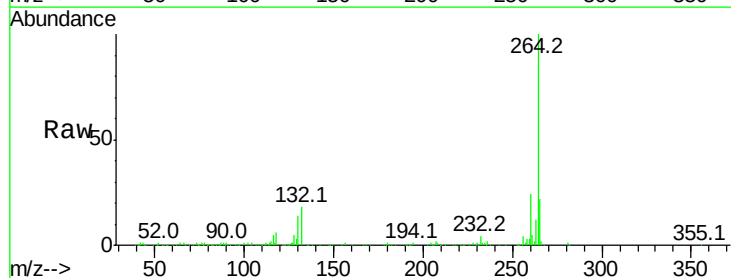
Tgt Ion:264 Resp: 299111

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 21.6 17.3 25.9



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

