

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
 Data File : BF086141.D
 Acq On : 7 Apr 2016 20:33
 Operator : UM/SJ
 Sample : H2230-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-1-040116

Quant Time: Apr 08 14:30:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

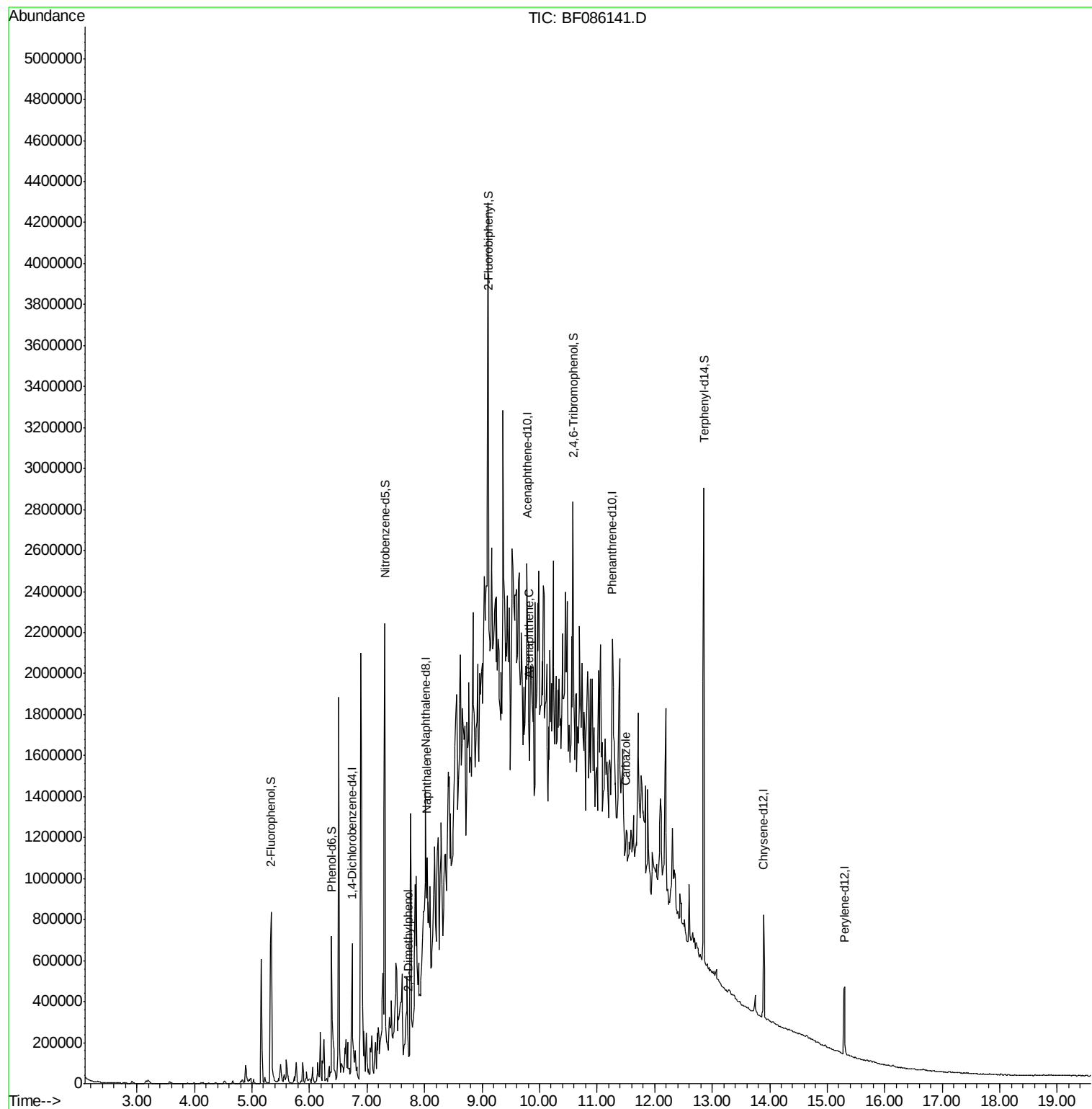
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	100483	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	378826	20.00	ng	-0.05
38) Acenaphthene-d10	9.78	164	205891	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	294649	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	199206	20.00	ng	-0.03
86) Perylene-d12	15.30	264	181940	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	403994	68.72	ng	-0.03
7) Phenol-d6	6.38	99	332174	44.49	ng	-0.03
23) Nitrobenzene-d5	7.31	82	703367	109.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	249310	129.01	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	963661	77.82	ng	-0.03
78) Terphenyl-d14	12.85	244	964105	113.77	ng	-0.02
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	7.71	122	25502	4.22	ng	95
31) Naphthalene	8.04	128	207610	10.90	ng	# 96
51) Acenaphthene	9.81	154	35204	2.87	ng	89
72) Carbazole	11.50	167	45171	3.12	ng	# 79

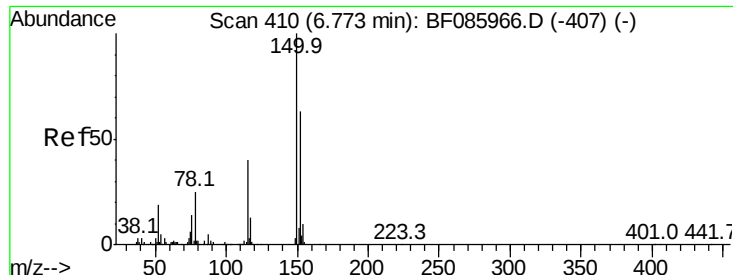
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086141.D

Acq: 7 Apr 2016 20:33

Instrument :

BNA_F

ClientSampleId :

RW-1-040116

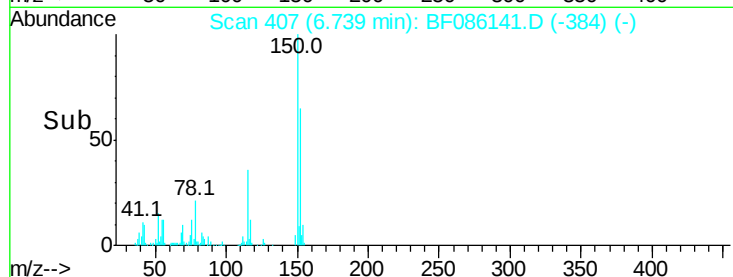
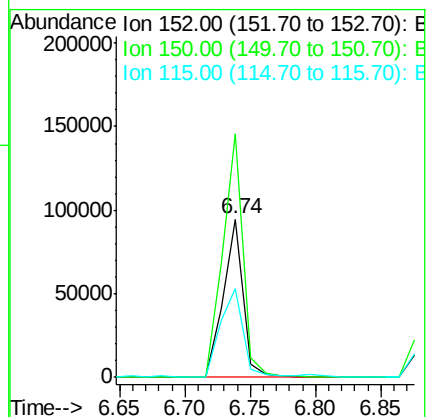
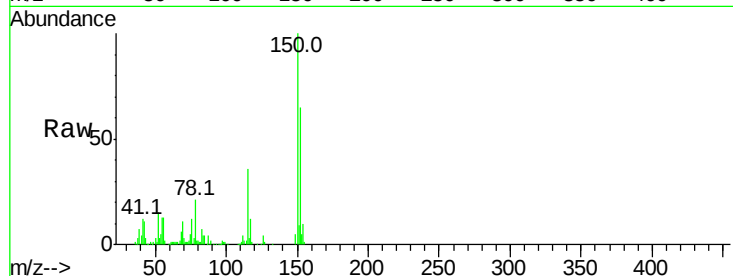
Tot Ion:152 Resp: 100483

Ion Ratio Lower Upper

152 100

150 153.6 124.2 186.2

115 56.0 47.0 70.6



#5

2-Fluorophenol

Concen: 68.72 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086141.D

Acq: 7 Apr 2016 20:33

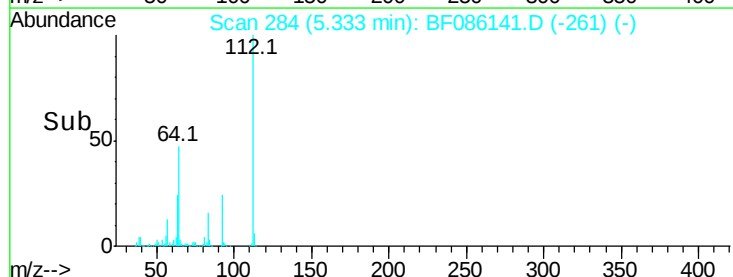
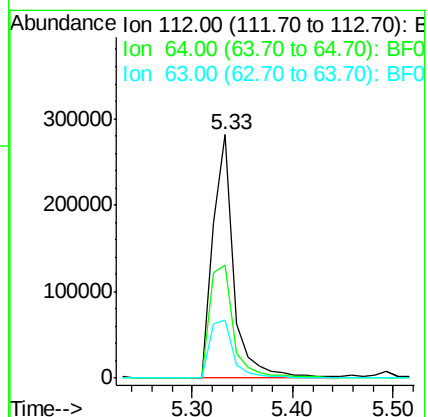
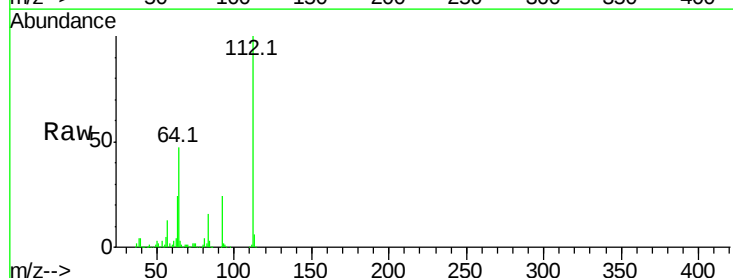
Tgt Ion:112 Resp: 403994

Ion Ratio Lower Upper

112 100

64 46.5 39.9 59.9

63 23.9 20.2 30.2





#7

Phenol-d6

Concen: 44.49 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086141.D

Acq: 7 Apr 2016 20:33

Instrument :

BNA_F

ClientSampleId :

RW-1-040116

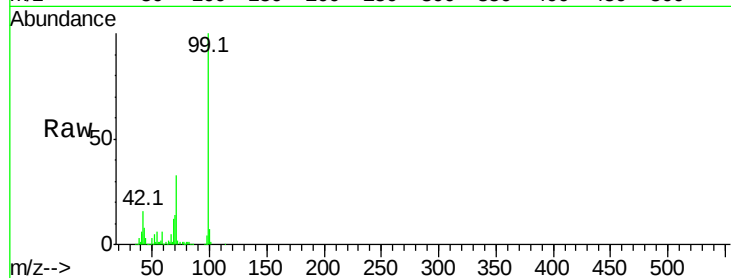
Tot Ion: 99 Resp: 332174

Ion Ratio Lower Upper

99 100

42 15.8 11.1 16.7

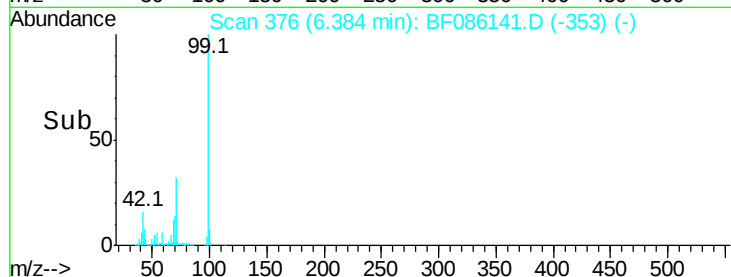
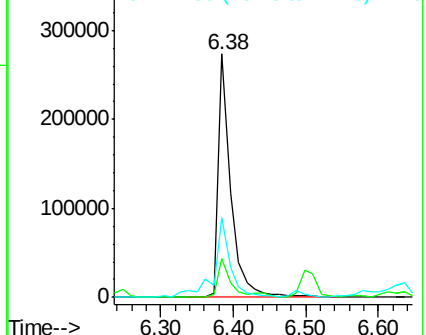
71 33.0 24.9 37.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF086141.D

Acq: 7 Apr 2016 20:33

Tgt Ion: 136 Resp: 378826

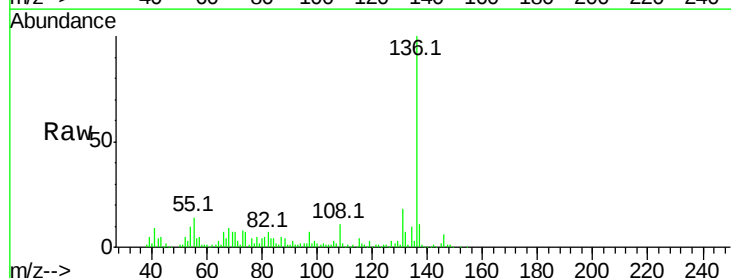
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 9.9 7.4 11.0

68 8.6 5.8 8.8

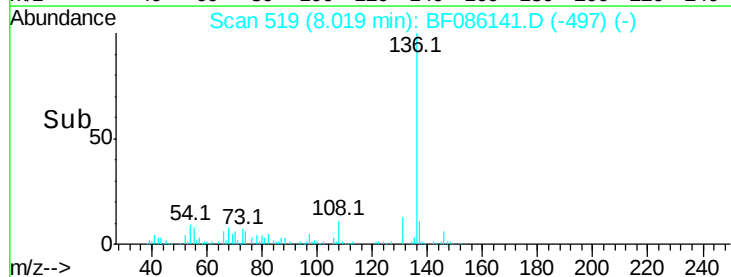
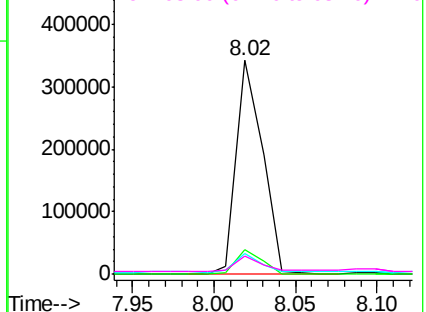


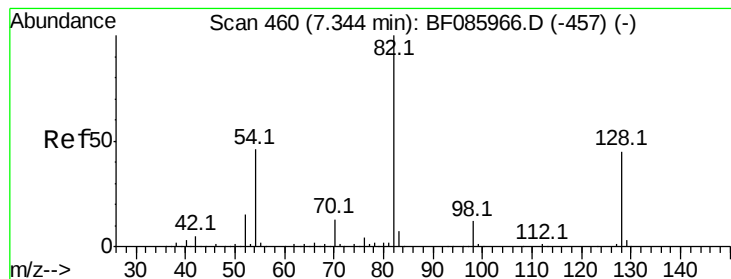
Abundance Ion 136.00 (135.70 to 136.70): E

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: 109.49 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086141.D

Acq: 7 Apr 2016 20:33

Instrument :

BNA_F

ClientSampleId :

RW-1-040116

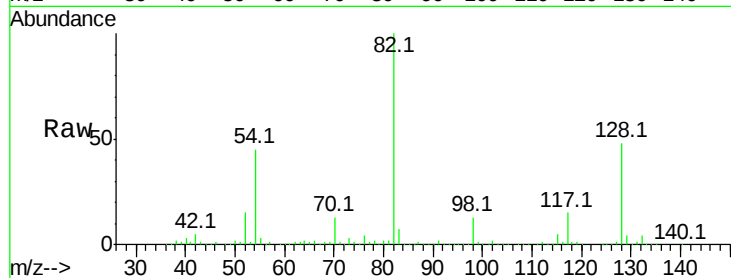
Tot Ion: 82 Resp: 703367

Ion Ratio Lower Upper

82 100

128 47.8 41.8 62.8

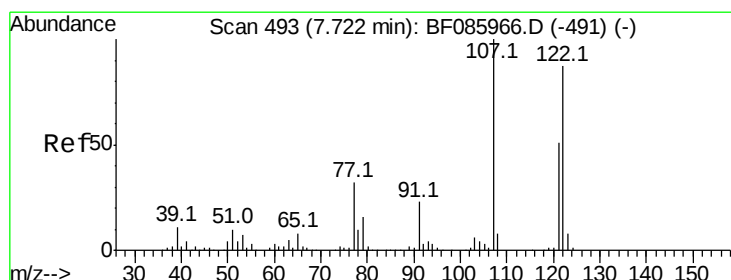
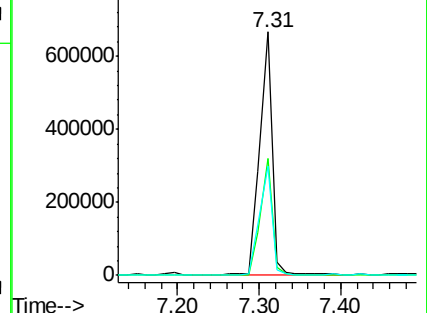
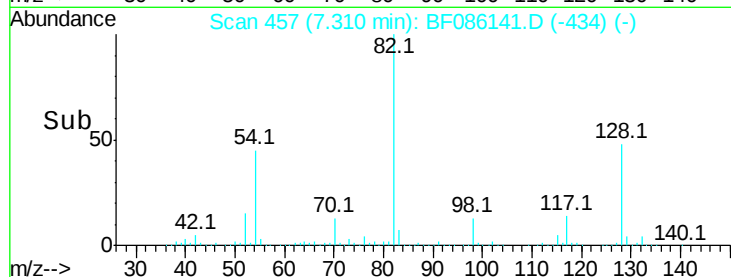
54 44.8 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#27

2,4-Dimethylphenol

Concen: 4.22 ng

RT: 7.71 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF086141.D

Acq: 7 Apr 2016 20:33

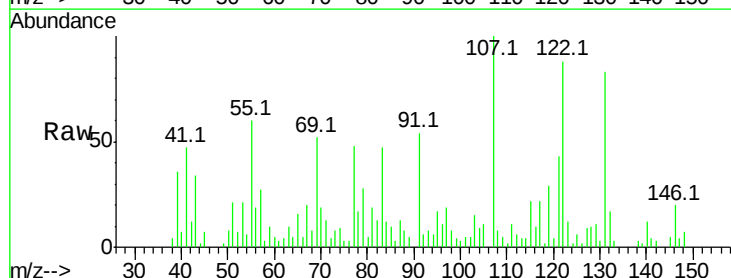
Tgt Ion:122 Resp: 25502

Ion Ratio Lower Upper

122 100

107 113.8 93.0 139.6

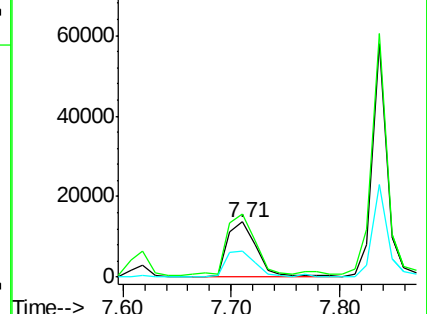
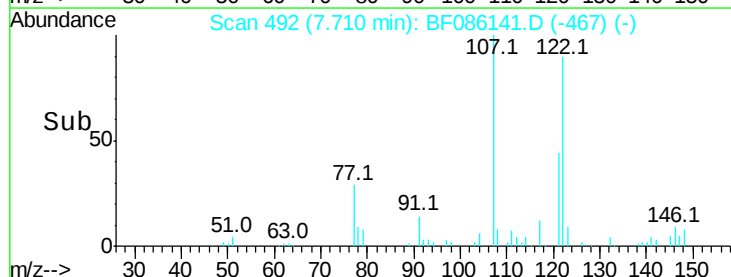
121 48.5 45.9 68.9

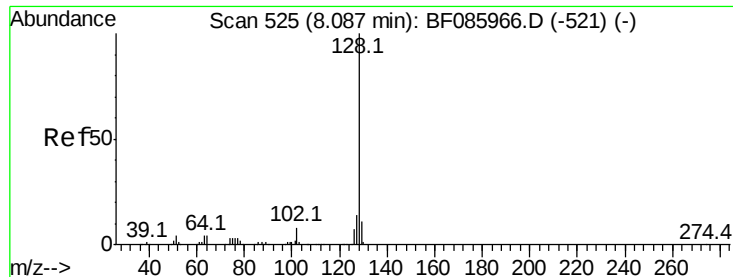


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

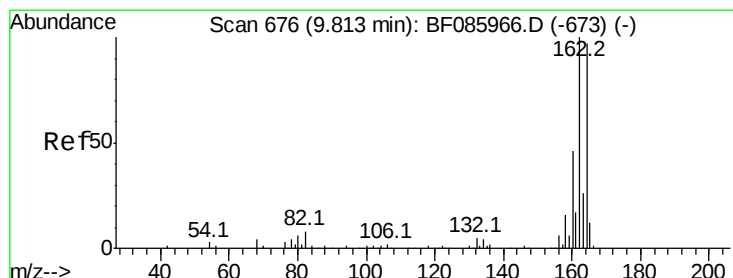
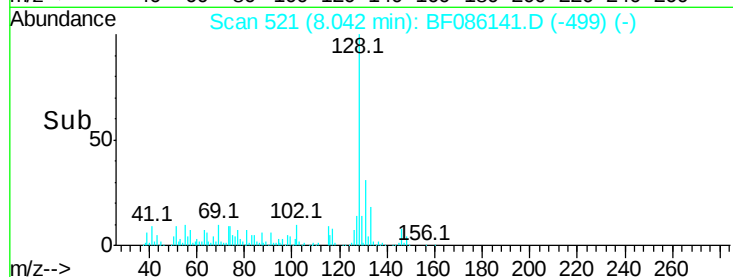
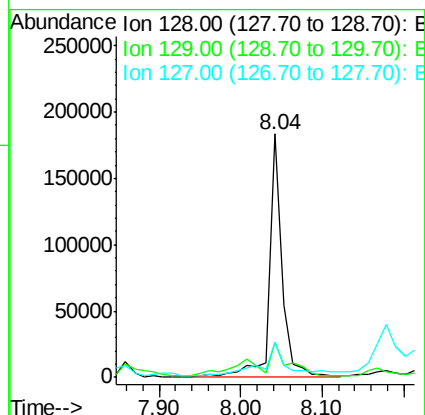
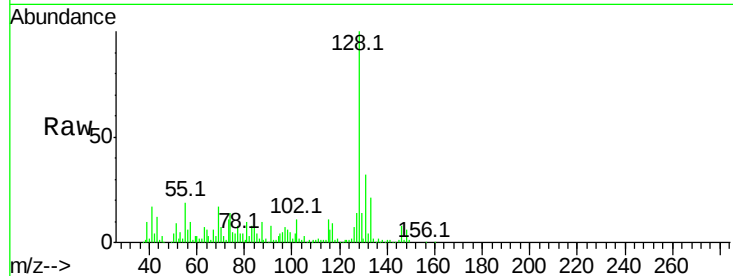




#31
Naphthalene
Concen: 10.90 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.05 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

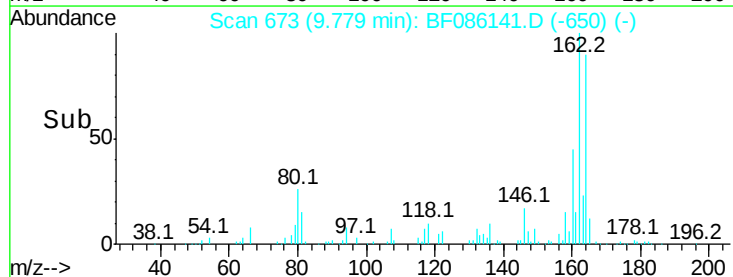
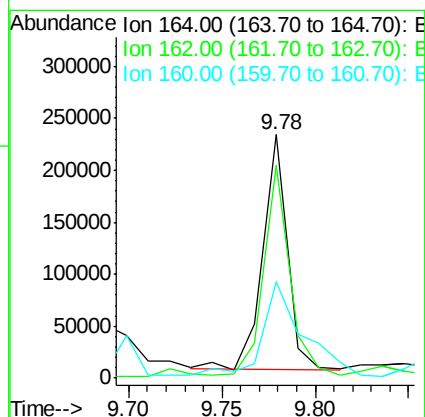
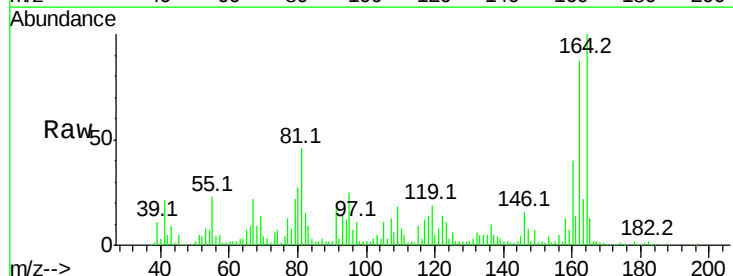
Instrument :
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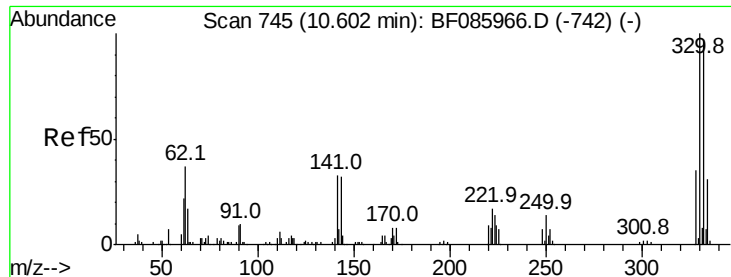
Tot Ion	Ratio	Lower	Upper
128	100		
129	14.5	9.4	14.0#
127	14.5	11.0	16.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	87.5	82.1	123.1
160	39.7	37.4	56.2

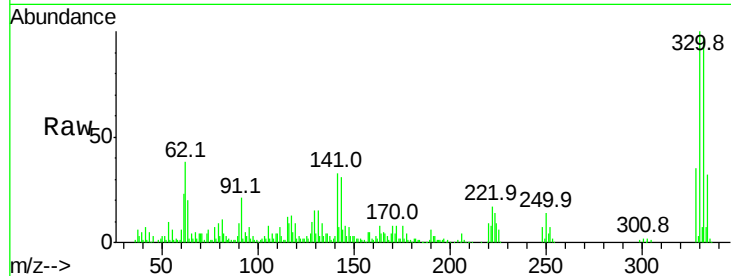




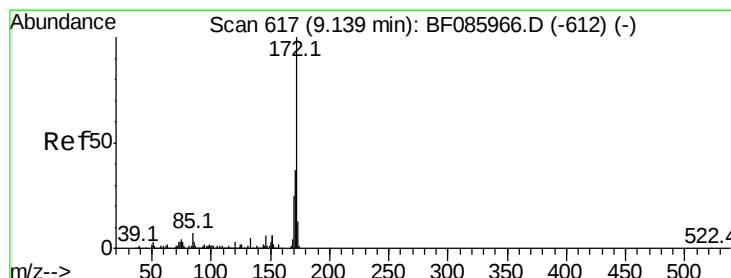
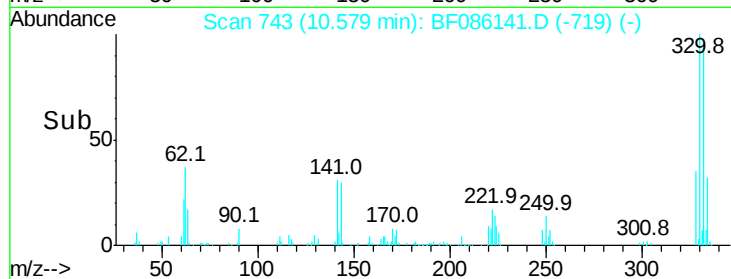
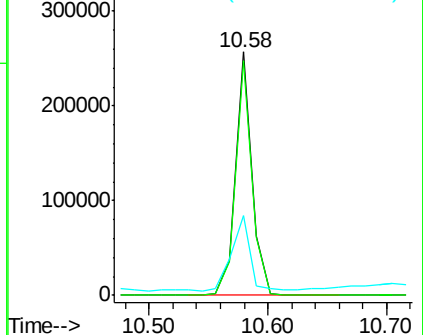
#41
 2,4,6-Tribromophenol
 Concen: 129.01 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF086141.D
 Acq: 7 Apr 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 RW-1-040116

Tot Ion:330 Resp: 249310
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.2 117.2
 141 34.0 31.5 47.3

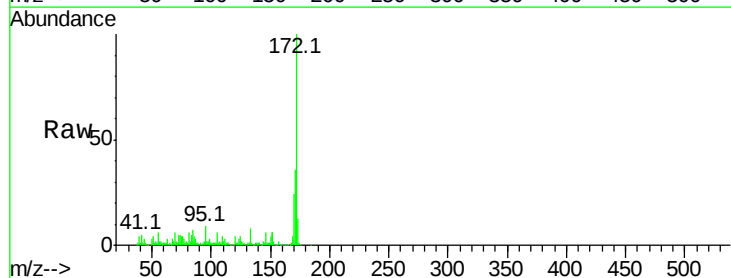


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

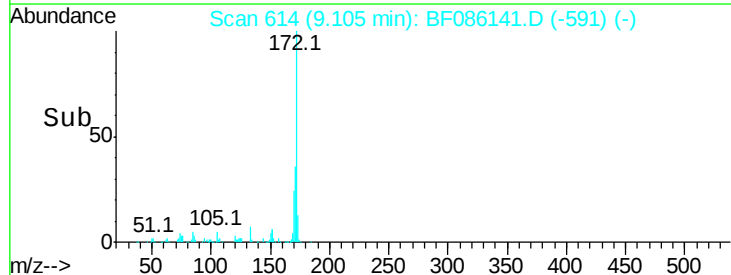
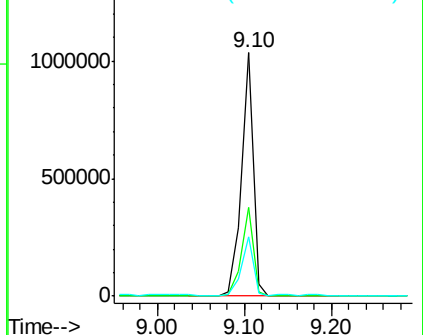


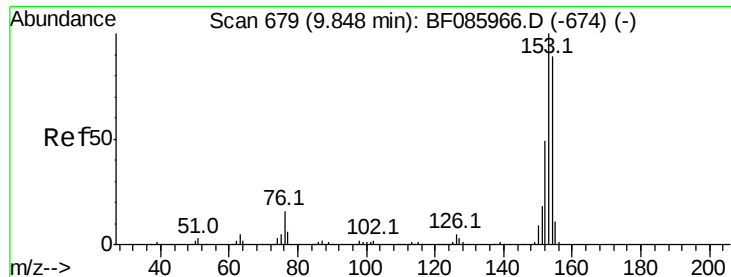
#44
 2-Fluorobiphenyl
 Concen: 77.82 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086141.D
 Acq: 7 Apr 2016 20:33

Tgt Ion:172 Resp: 963661
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.2
 170 24.3 19.8 29.6



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





#51

Acenaphthene

Concen: 2.87 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.03 min

Lab File: BF086141.D

Acq: 7 Apr 2016 20:33

Instrument :

BNA_F

ClientSampleId :

RW-1-040116

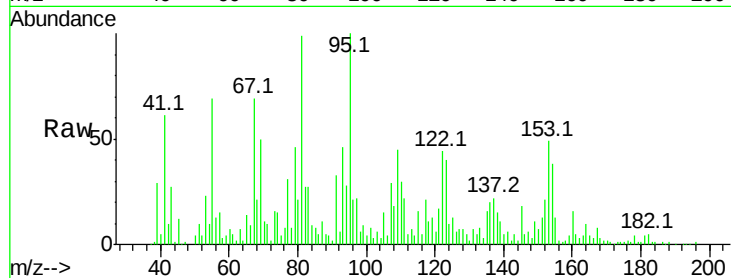
Tot Ion:154 Resp: 35204

Ion Ratio Lower Upper

154 100

153 130.4 90.1 135.1

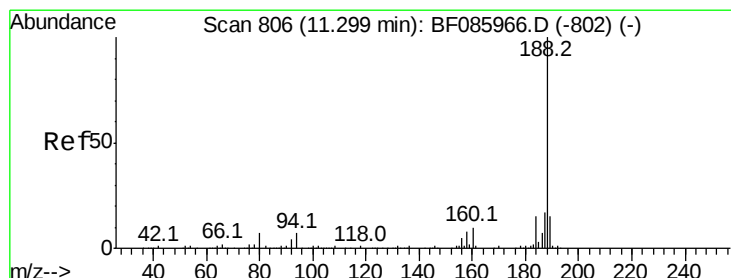
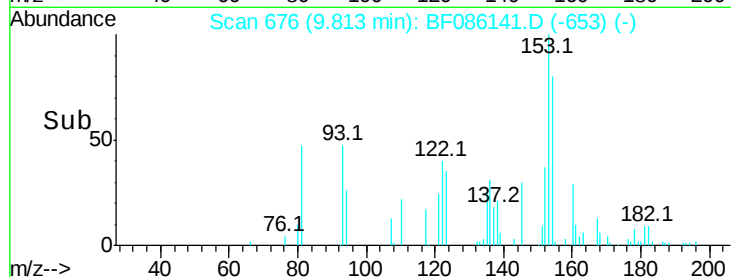
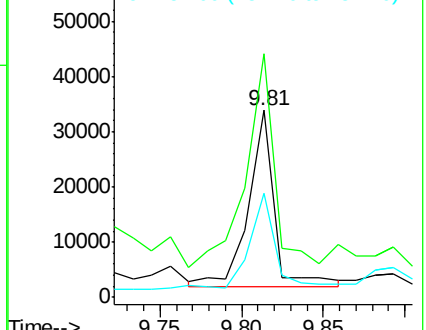
152 55.9 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF086141.D

Acq: 7 Apr 2016 20:33

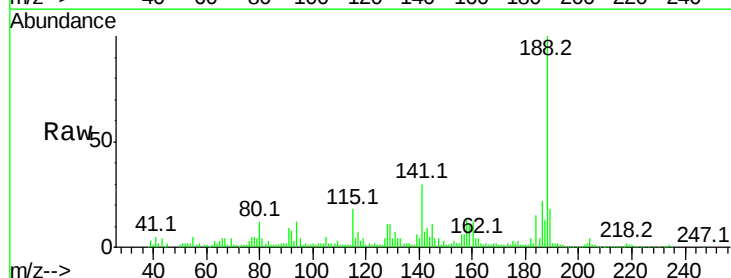
Tgt Ion:188 Resp: 294649

Ion Ratio Lower Upper

188 100

94 12.3 5.4 8.0#

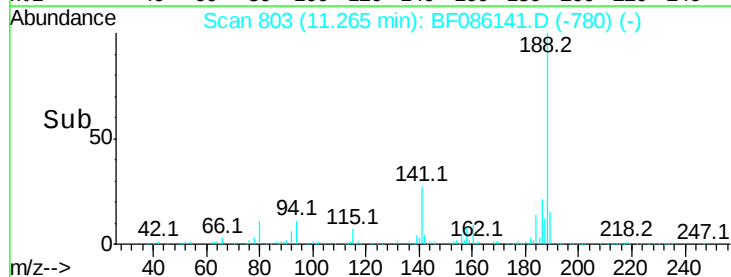
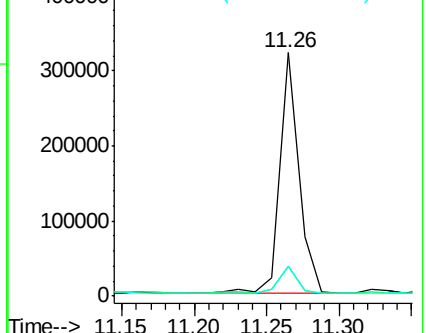
80 12.4 5.5 8.3#

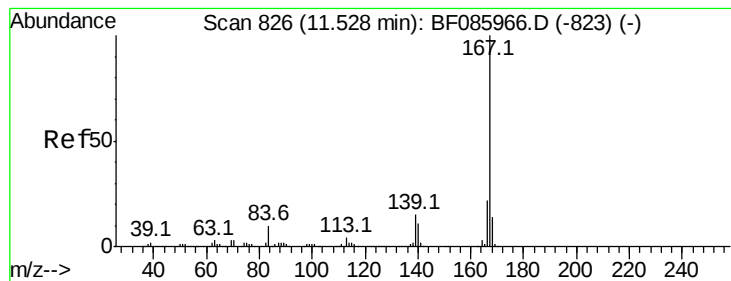


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#72

Carbazole

Concen: 3.12 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF086141.D

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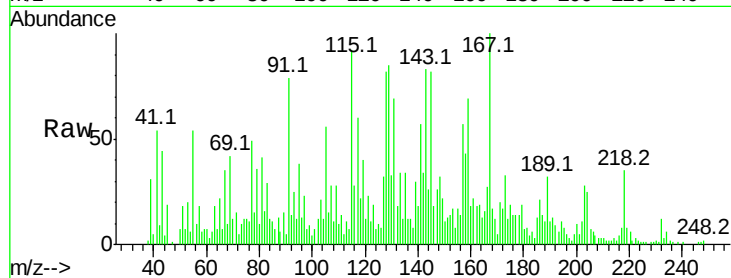
Tot Ion:167 Resp: 45171

Ion Ratio Lower Upper

167 100

166 27.2 17.8 26.8#

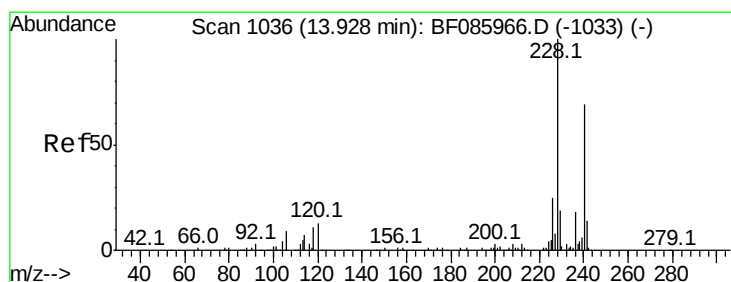
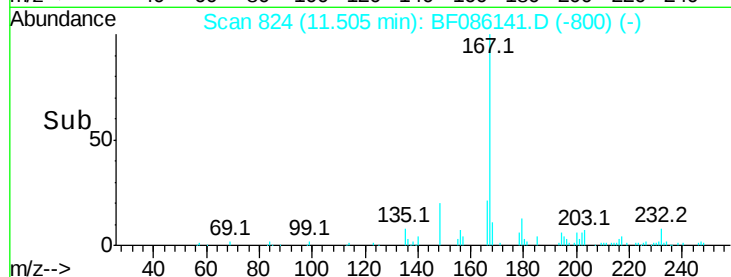
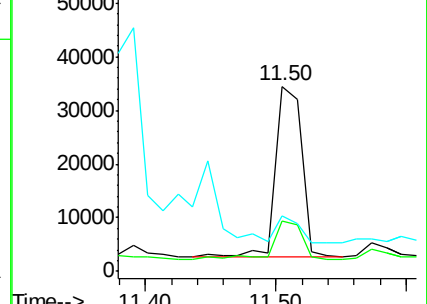
139 30.1 11.6 17.4#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086141.D

Acq: 7 Apr 2016 20:33

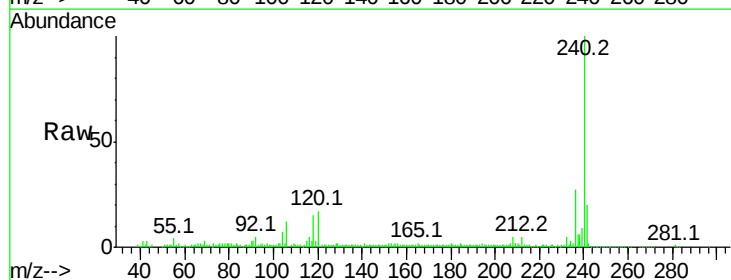
Tgt Ion:240 Resp: 199206

Ion Ratio Lower Upper

240 100

120 17.4 13.8 20.8

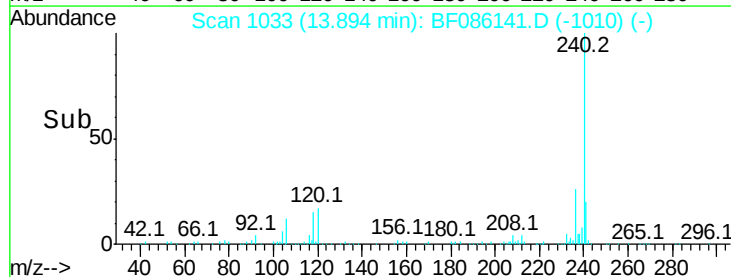
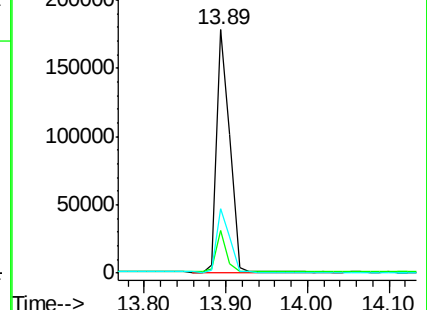
236 26.6 20.6 30.8

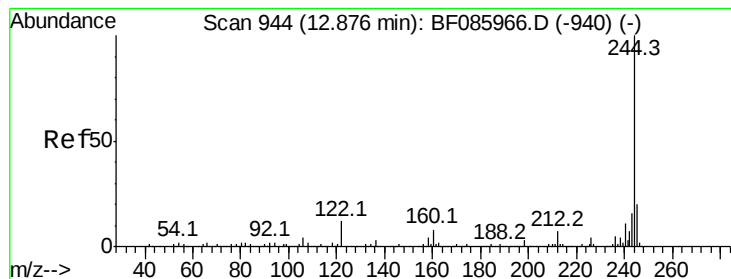


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 113.77 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF086141.D

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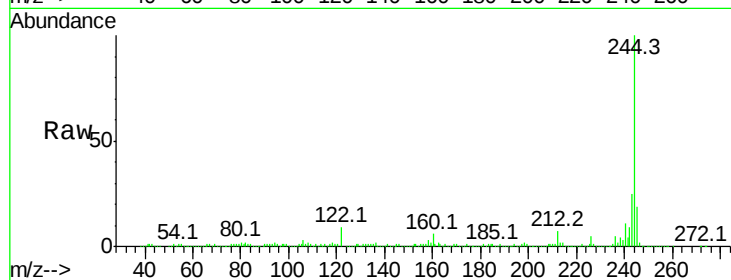
Tot Ion:244 Resp: 964105

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

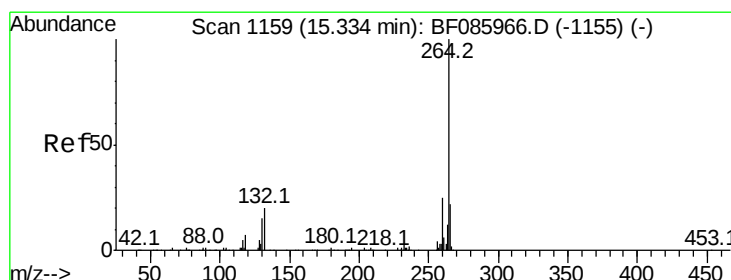
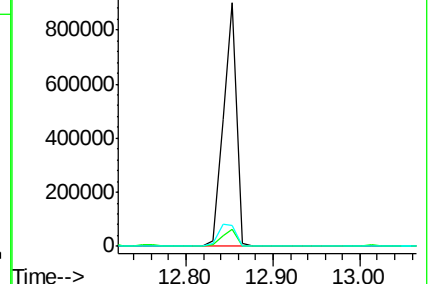
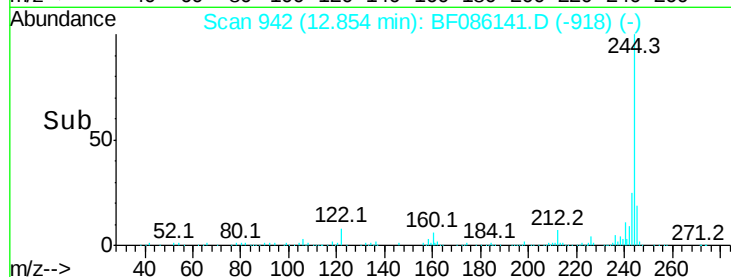
122 8.6 10.2 15.4#



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: 15.30 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF086141.D

Acq: 7 Apr 2016 20:33

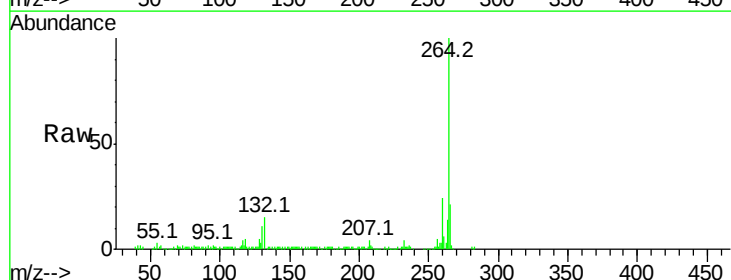
Tgt Ion:264 Resp: 181940

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 20.8 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

