

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
 Data File : BF091113.D
 Acq On : 9 Nov 2016 6:28
 Operator : UM/SJ
 Sample : H5578-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ERM33

Quant Time: Nov 09 12:14:32 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

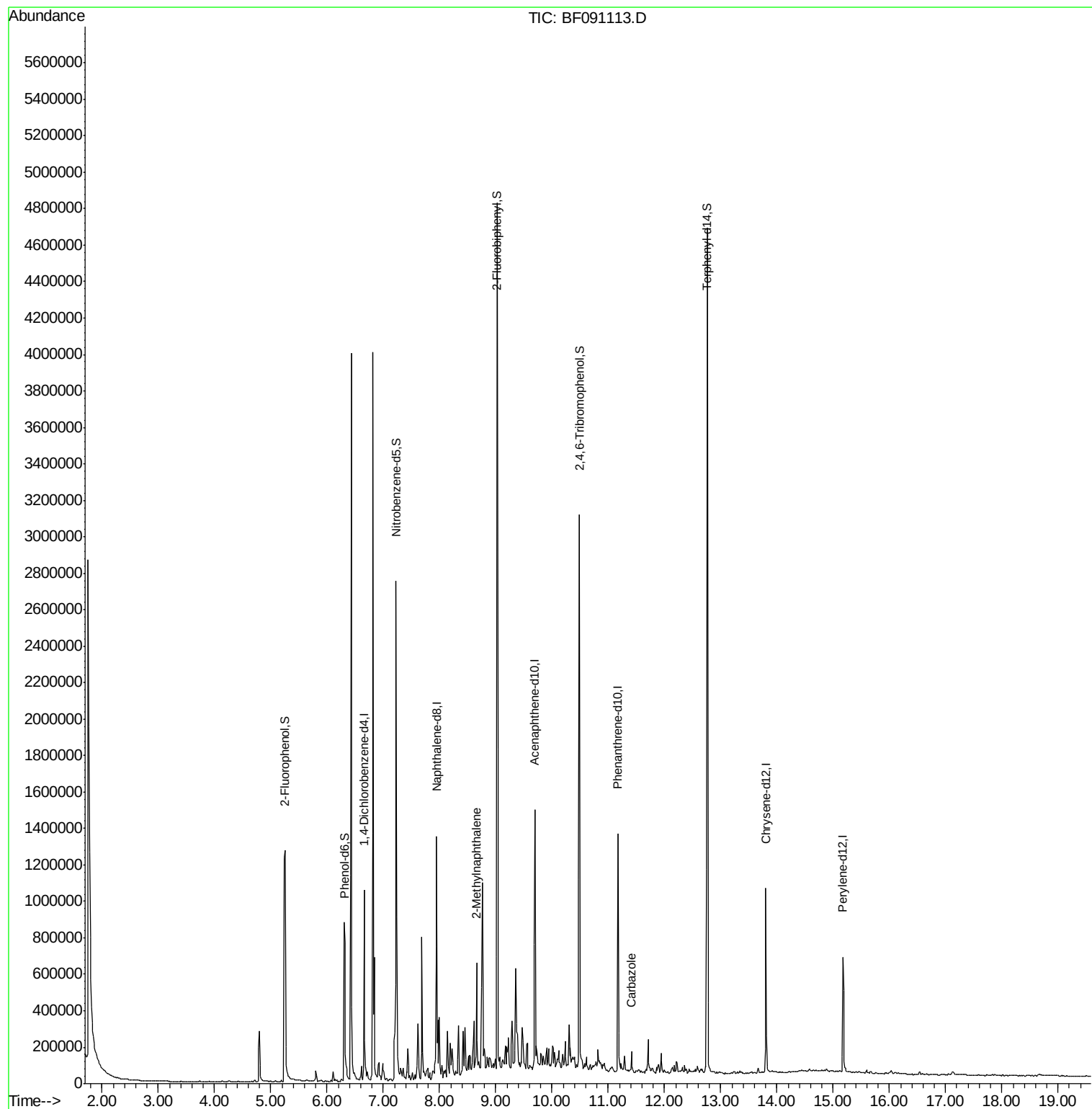
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	169130	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	667037	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	326531	20.00	ng	0.00
63) Phenanthrene-d10	11.17	188	437623	20.00	ng	0.00
75) Chrysene-d12	13.80	240	324819	20.00	ng	-0.01
86) Perylene-d12	15.17	264	301585	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	625936	61.12	ng	0.01
7) Phenol-d6	6.32	99	515469	37.08	ng	0.00
23) Nitrobenzene-d5	7.23	82	1009104	82.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	389347	131.89	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1726366	91.02	ng	-0.01
78) Terphenyl-d14	12.76	244	1368973	105.17	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.66	142	171556	8.37	ng	98
72) Carbazole	11.41	167	53176	2.39	ng	99

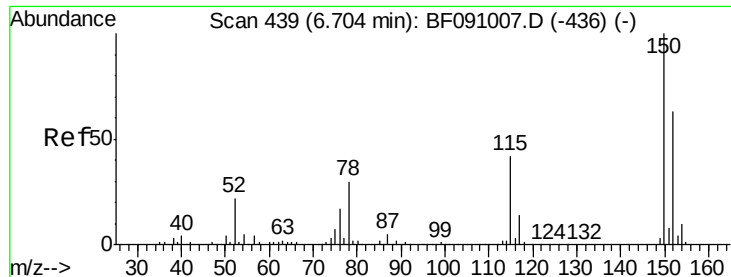
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110816\
Data File : BF091113.D
Acq On : 9 Nov 2016 6:28
Operator : UM/SJ
Sample : H5578-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ERM33

Quant Time: Nov 09 12:14:32 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 12:59:29 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

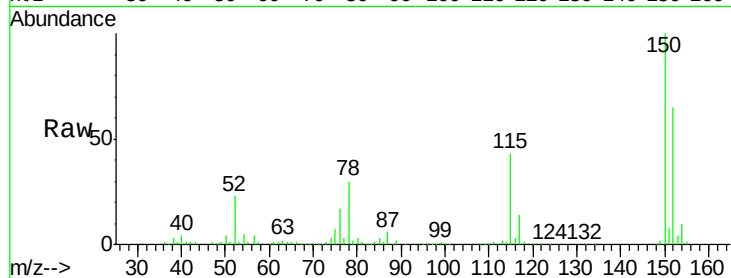
Tot Ion:152 Resp: 169130

Ion Ratio Lower Upper

152 100

150 153.7 126.8 190.2

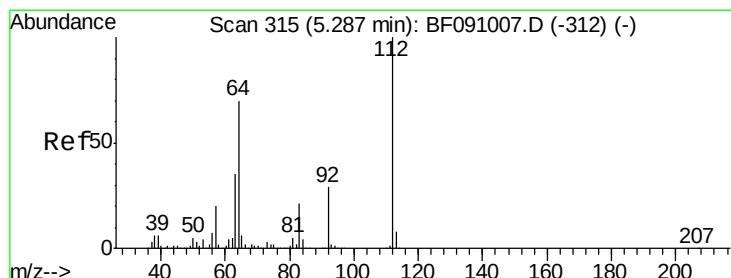
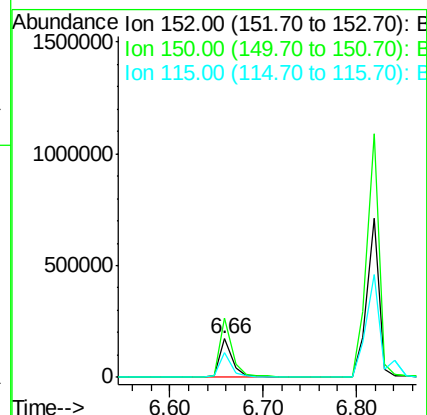
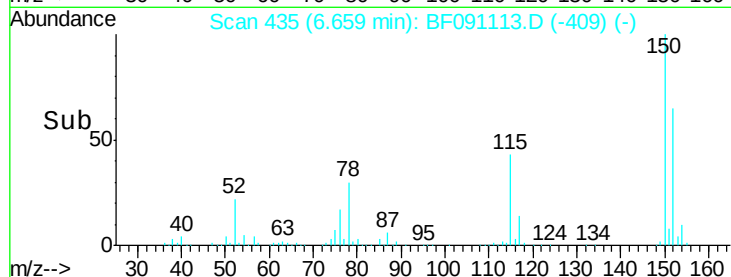
115 65.6 53.3 79.9



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: 61.12 ng

RT: 5.25 min Scan# 312

Delta R.T. 0.01 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

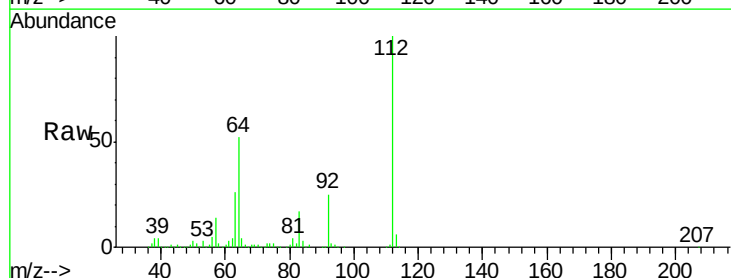
Tgt Ion:112 Resp: 625936

Ion Ratio Lower Upper

112 100

64 52.0 55.8 83.6#

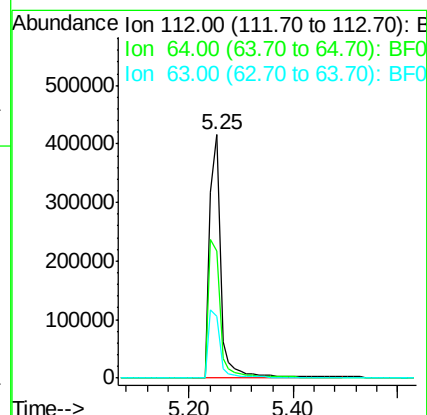
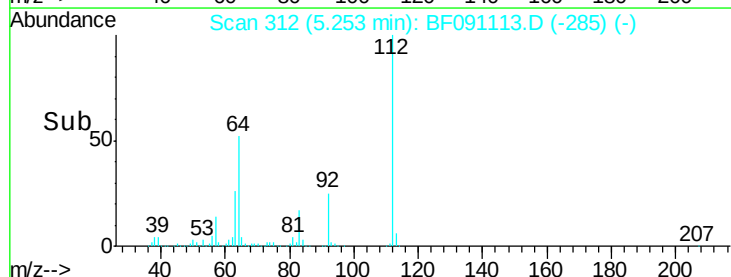
63 25.6 28.0 42.0#

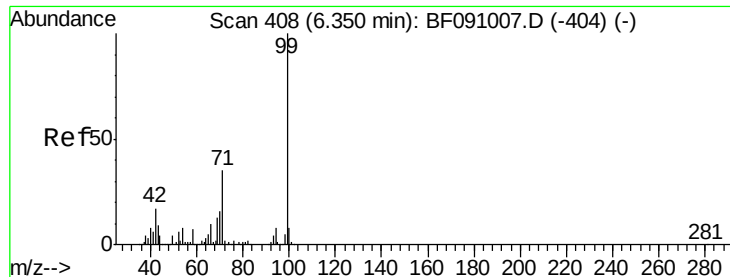


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.08 ng

RT: 6.32 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

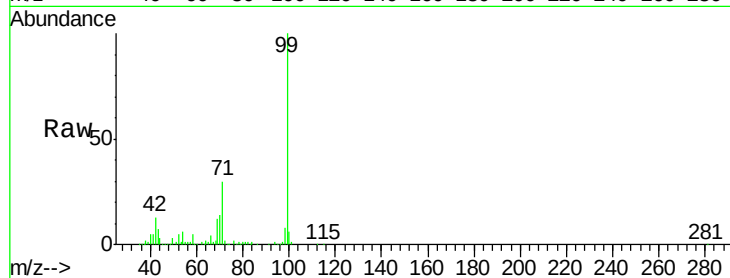
Tot Ion: 99 Resp: 515469

Ion Ratio Lower Upper

99 100

42 13.0 13.9 20.9#

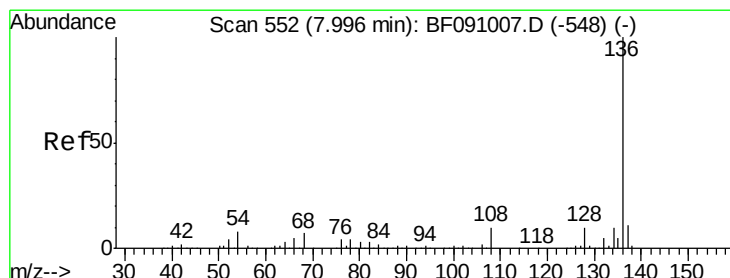
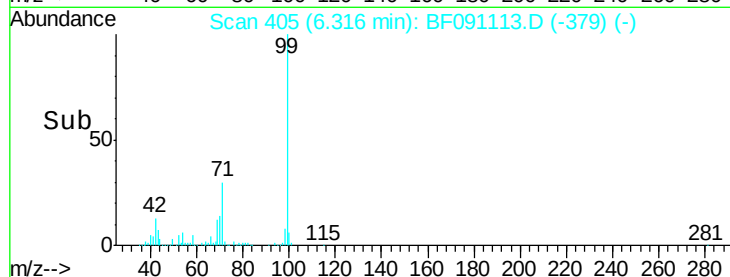
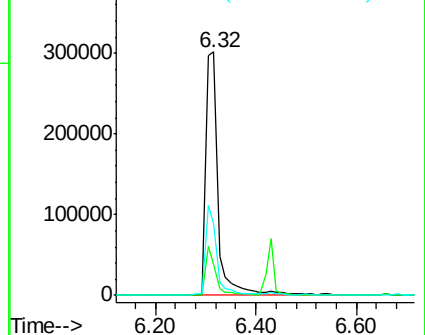
71 29.8 27.8 41.8



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: 7.95 min Scan# 548

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Tgt Ion: 136 Resp: 667037

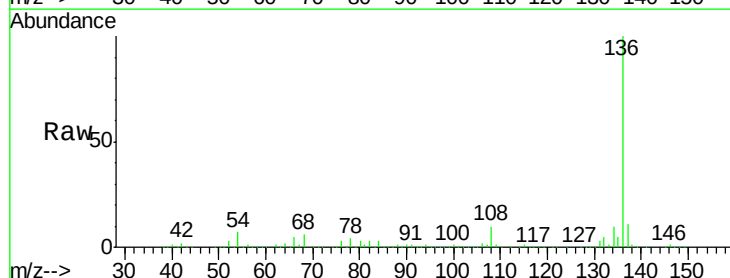
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.9 6.2 9.2

68 6.4 5.5 8.3

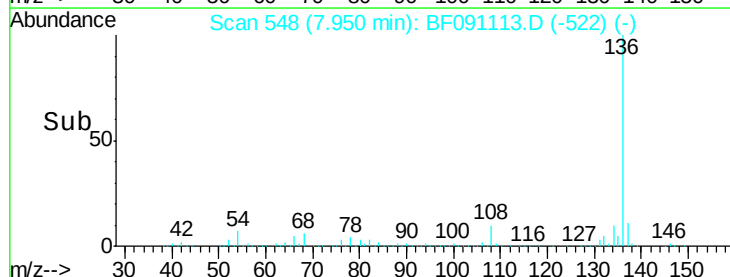
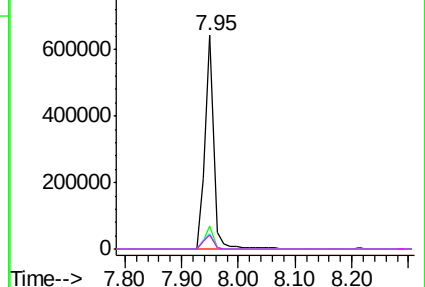


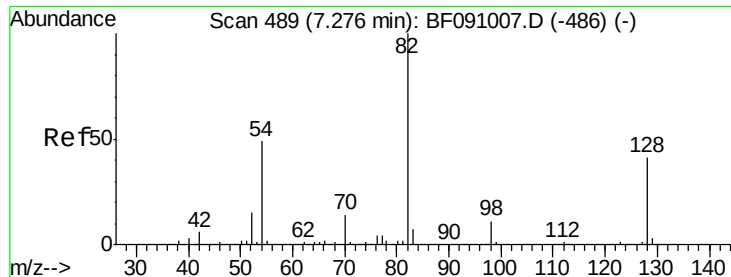
Abundance Ion 136.00 (135.70 to 136.70): E

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

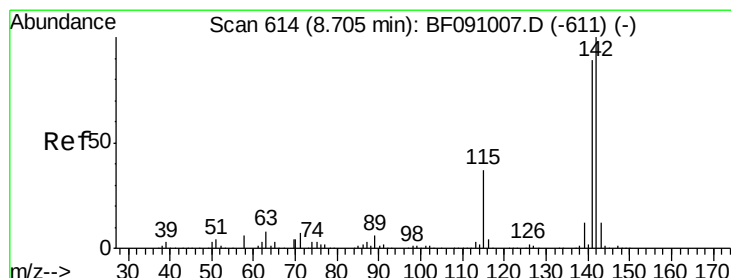
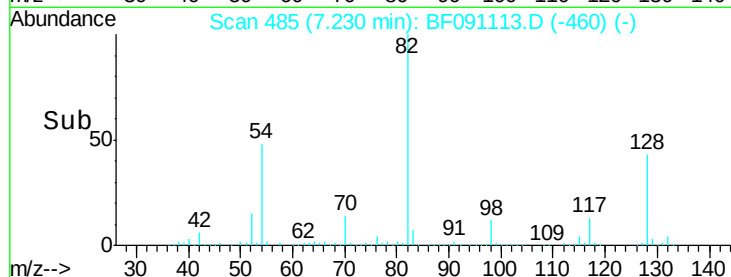
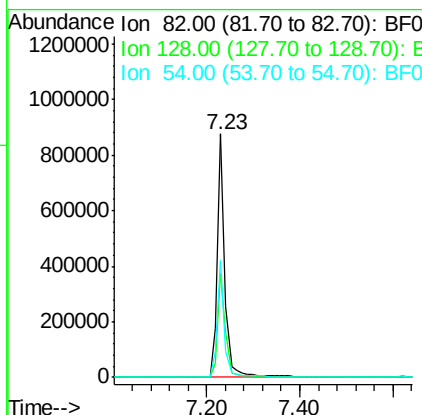
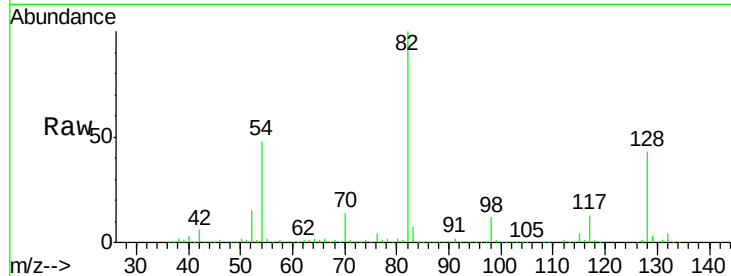




#23
Nitrobenzene-d5
Concen: 82.53 ng
RT: 7.23 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF091113.D
Acq: 9 Nov 2016 6:28

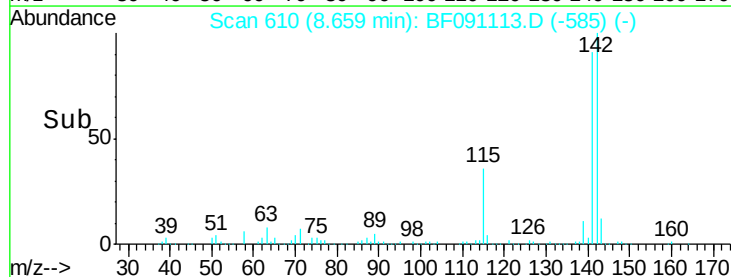
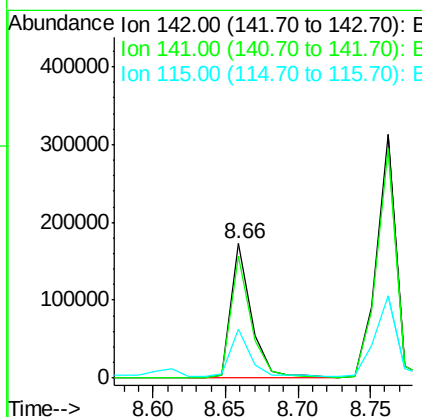
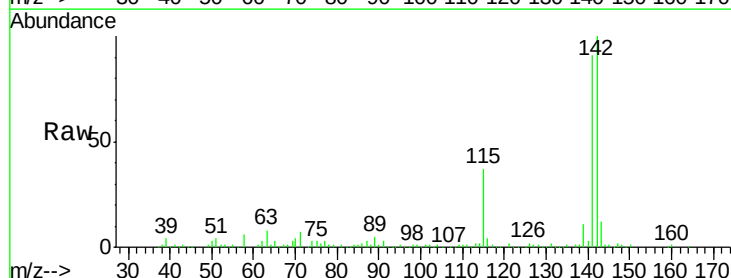
Instrument :
BNA_F
ClientSampleId :
ERM33

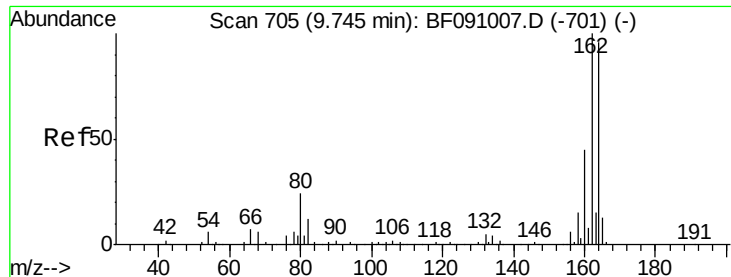
Tot Ion: 82 Resp: 1009104
Ion Ratio Lower Upper
82 100
128 42.6 32.4 48.6
54 47.9 39.2 58.8



#37
2-Methylnaphthalene
Concen: 8.37 ng
RT: 8.66 min Scan# 610
Delta R.T. -0.01 min
Lab File: BF091113.D
Acq: 9 Nov 2016 6:28

Tgt Ion: 142 Resp: 171556
Ion Ratio Lower Upper
142 100
141 91.1 71.3 106.9
115 36.7 29.9 44.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

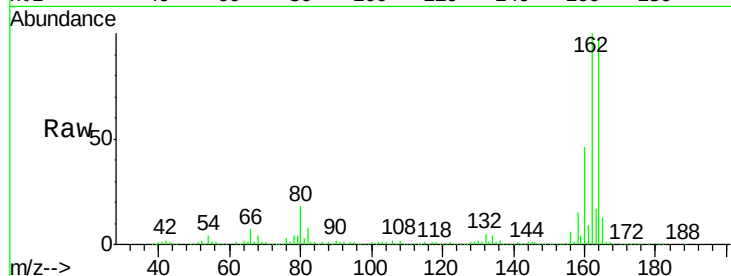
Tot Ion:164 Resp: 326531

Ion Ratio Lower Upper

164 100

162 103.5 83.6 125.4

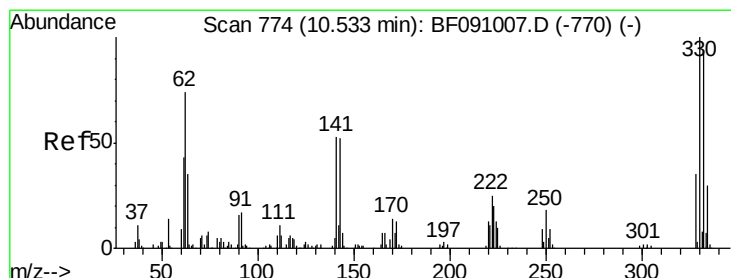
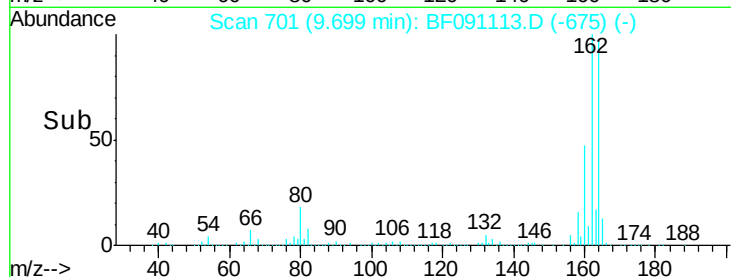
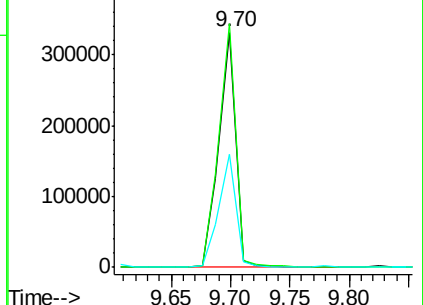
160 48.0 37.9 56.9



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: 131.89 ng

RT: 10.49 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

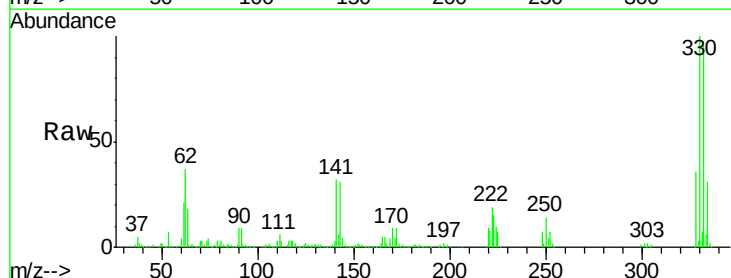
Tgt Ion:330 Resp: 389347

Ion Ratio Lower Upper

330 100

332 95.0 75.9 113.9

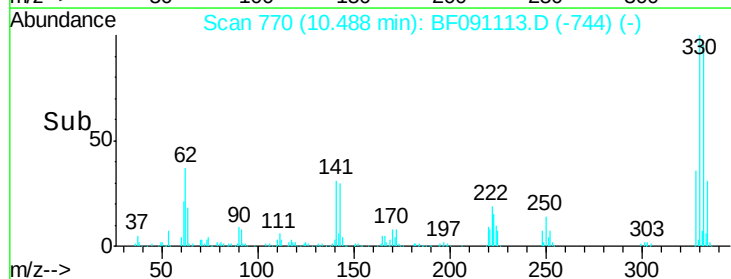
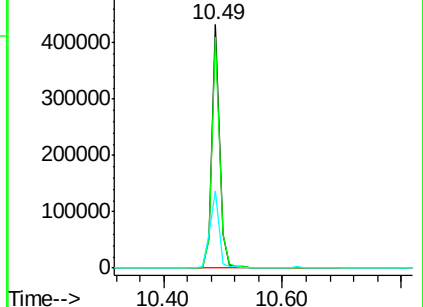
141 37.1 36.1 54.1

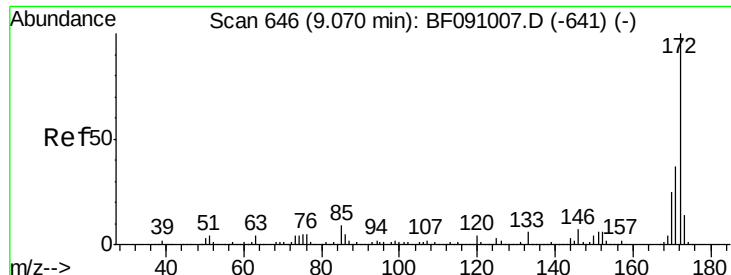


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

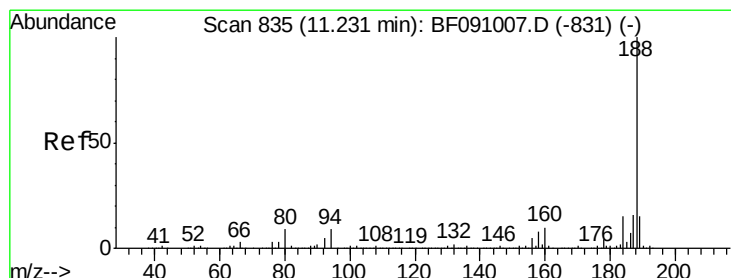
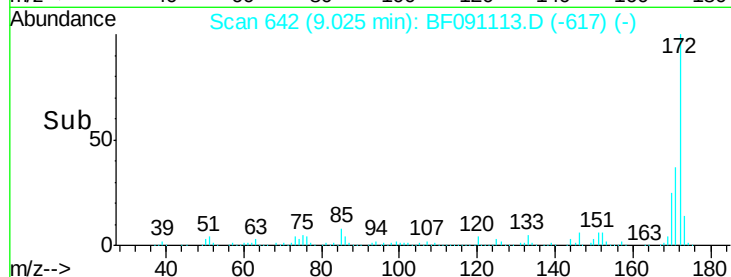
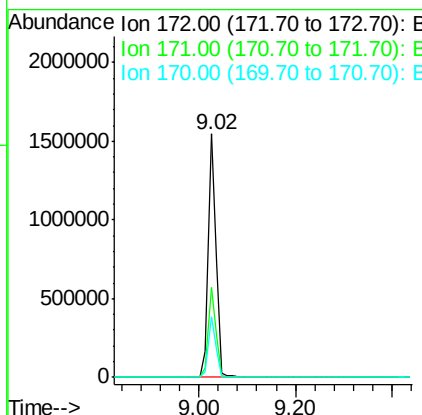
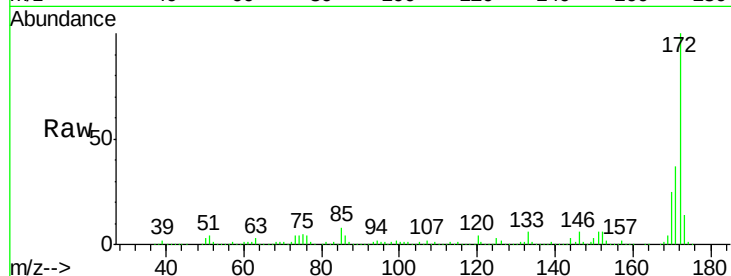




#44
2-Fluorobiphenyl
Concen: 91.02 ng
RT: 9.02 min Scan# 642
Delta R.T. -0.01 min
Lab File: BF091113.D
Acq: 9 Nov 2016 6:28

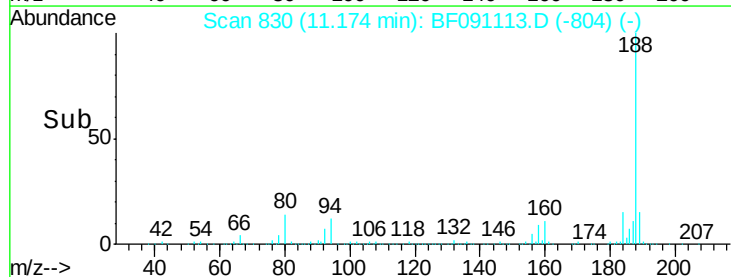
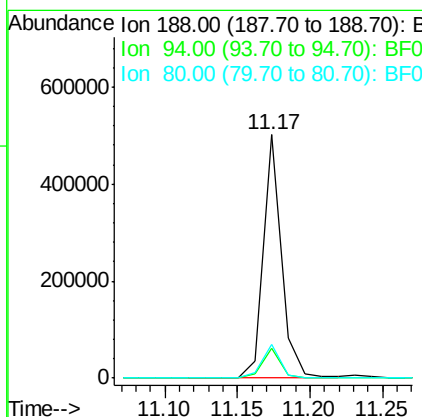
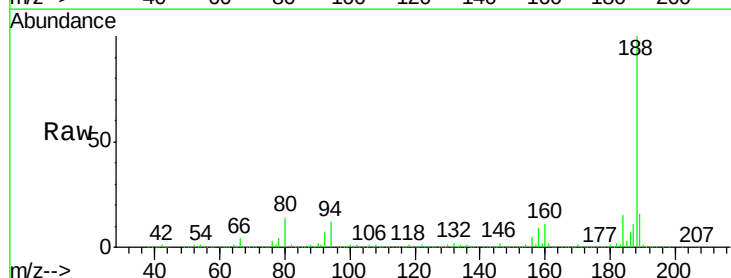
Instrument :
BNA_F
ClientSampleId :
ERM33

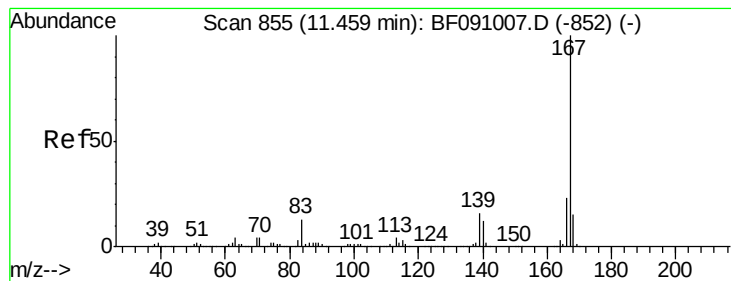
Tot Ion:172 Resp: 1726366
Ion Ratio Lower Upper
172 100
171 36.9 29.8 44.6
170 25.1 20.3 30.5



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF091113.D
Acq: 9 Nov 2016 6:28

Tgt Ion:188 Resp: 437623
Ion Ratio Lower Upper
188 100
94 12.2 7.0 10.4#
80 13.7 7.5 11.3#





#72

Carbazole

Concen: 2.39 ng

RT: 11.41 min Scan# 851

Delta R.T. 0.00 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

Instrument :

BNA_F

ClientSampleId :

ERM33

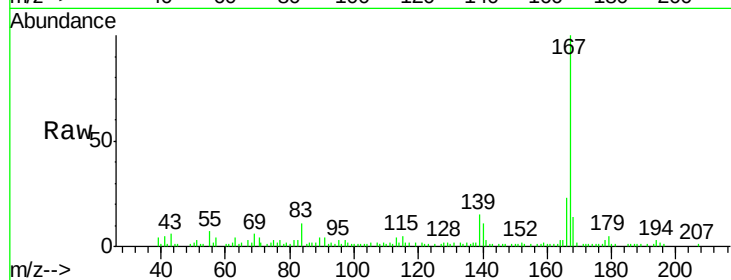
Tot Ion:167 Resp: 53176

Ion Ratio Lower Upper

167 100

166 22.5 18.0 27.0

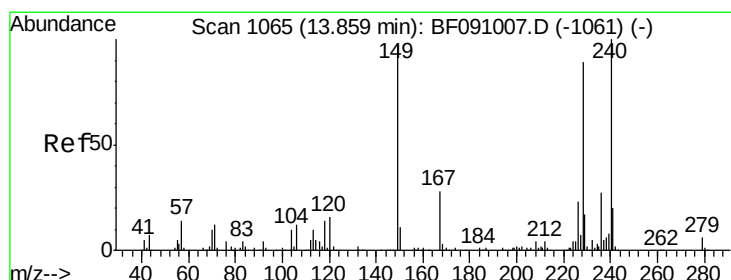
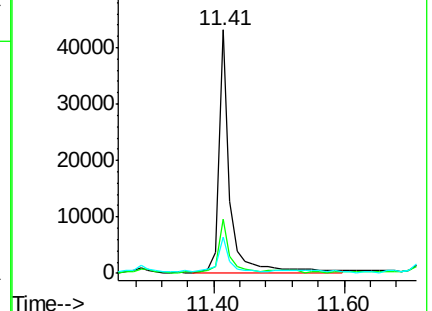
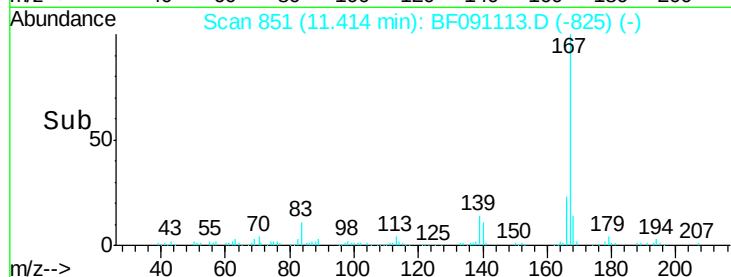
139 14.7 12.6 18.8



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: 13.80 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF091113.D

Acq: 9 Nov 2016 6:28

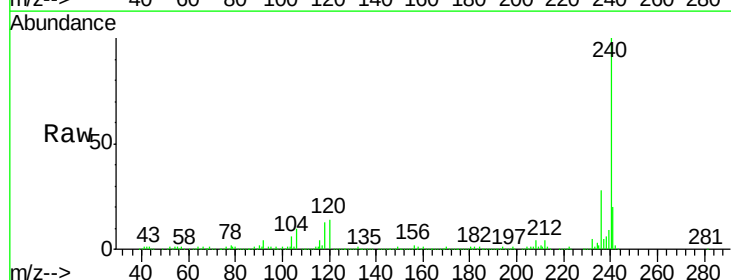
Tgt Ion:240 Resp: 324819

Ion Ratio Lower Upper

240 100

120 14.5 12.9 19.3

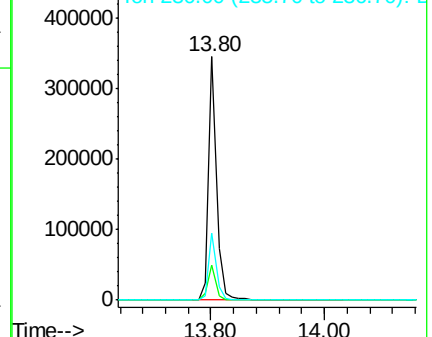
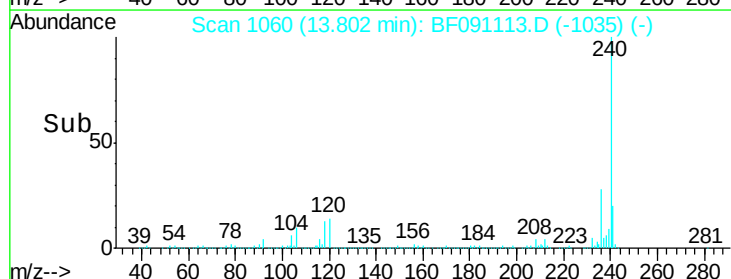
236 27.6 21.9 32.9

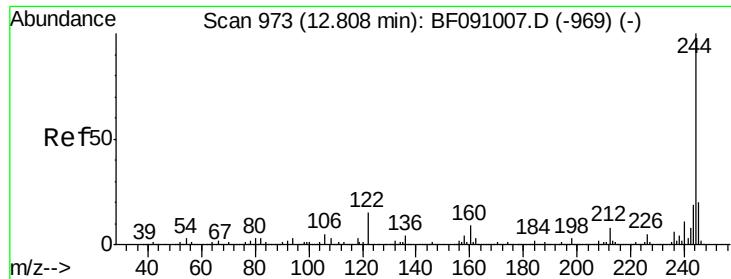


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

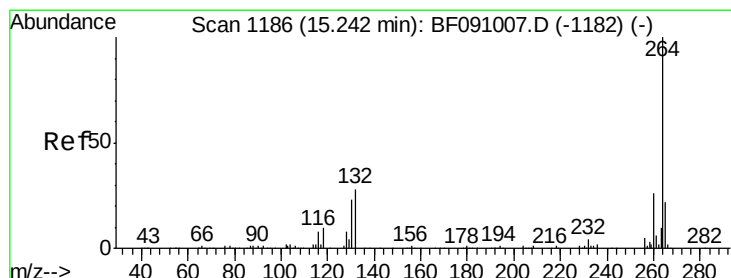
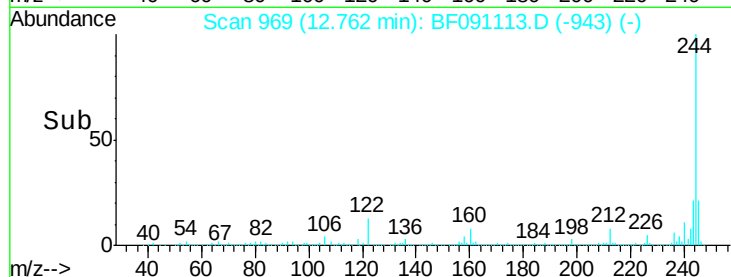
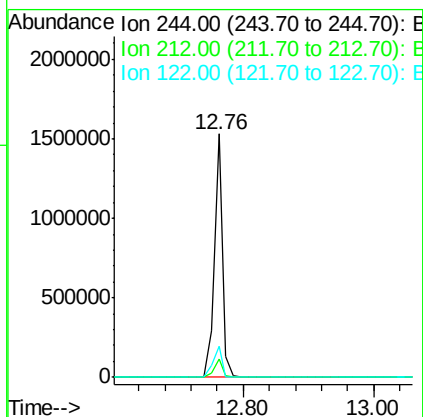
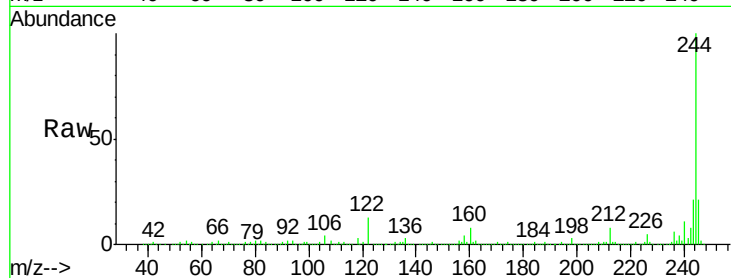




#78
 Terphenyl-d14
 Concen: 105.17 ng
 RT: 12.76 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BF091113.D
 Acq: 9 Nov 2016 6:28

Instrument :
 BNA_F
 ClientSampleId :
 ERM33

Tot Ion:244 Resp: 1368973
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 13.0 12.3 18.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF091113.D
 Acq: 9 Nov 2016 6:28

Tgt Ion:264 Resp: 301585
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.6 30.8
 265 21.4 17.8 26.8

