

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070816\
 Data File : BF088848.D
 Acq On : 9 Jul 2016 2:43
 Operator : UM/SJ
 Sample : H3813-24 50X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 09 04:40:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 18:51:20 2016
 Response via : Initial Calibration

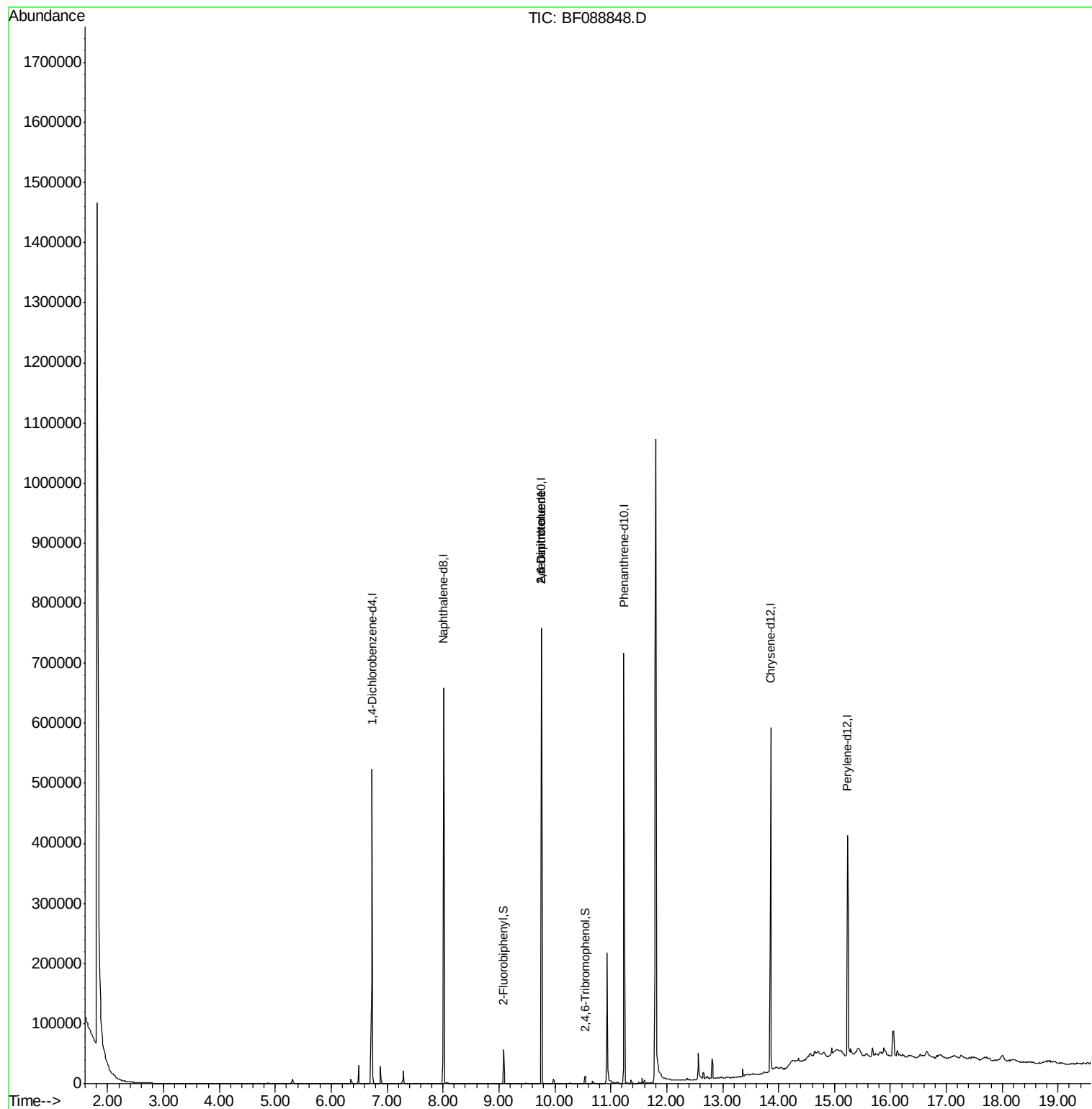
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	81320	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	307162	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	148588	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	281362	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	194622	20.00	ng	-0.01
86) Perylene-d12	15.23	264	162648	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	4270	0.79	ng	-0.01
7) Phenol-d6	6.35	99	4258	0.61	ng	-0.02
23) Nitrobenzene-d5	7.29	82	8575	1.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	2946	2.14	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	19538	2.08	ng	-0.01
78) Terphenyl-d14	12.82	244	14891	1.70	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	9.76	165	18735	7.99	ng	# 40
56) 2,4-Dinitrotoluene	9.76	165	18735	6.11	ng	# 38

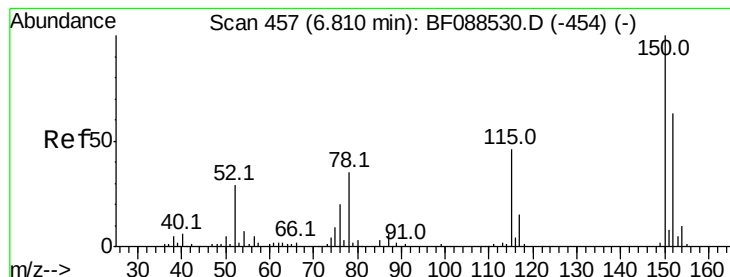
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF088848.D

Acq: 9 Jul 2016 2:43

Instrument :

BNA_F

ClientSampleId :

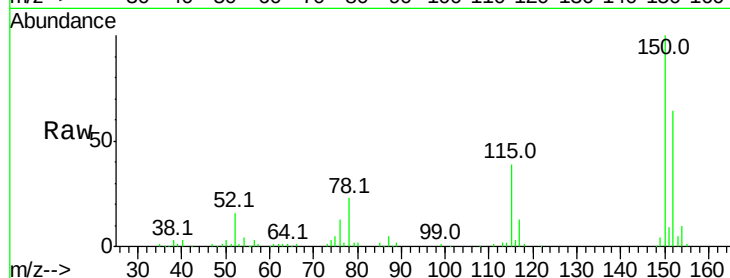
Tot Ion:152 Resp: 81320

Ion Ratio Lower Upper

152 100

150 156.2 123.8 185.6

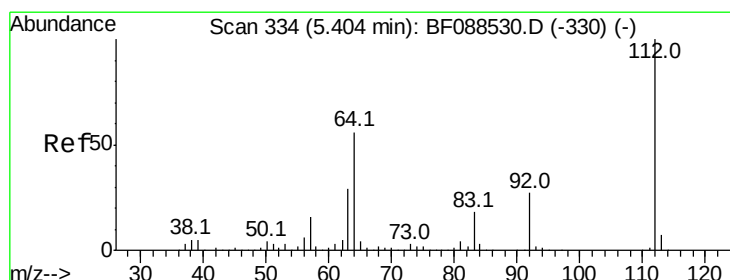
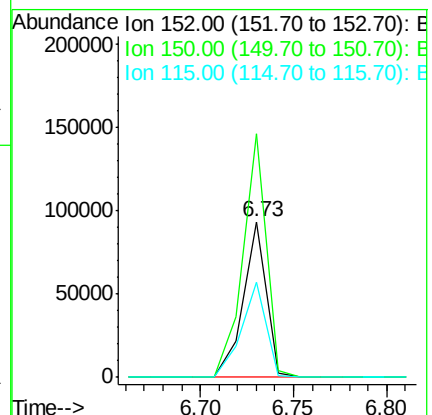
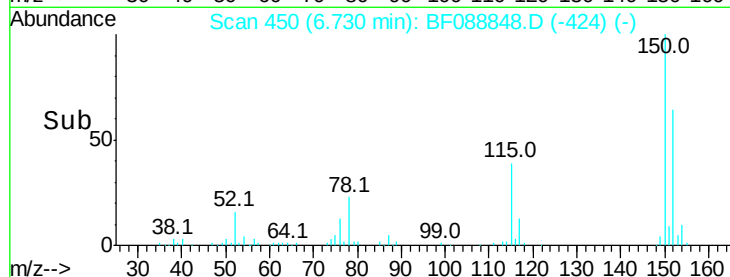
115 61.1 39.6 59.4#



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: 0.79 ng

RT: 5.31 min Scan# 326

Delta R.T. -0.01 min

Lab File: BF088848.D

Acq: 9 Jul 2016 2:43

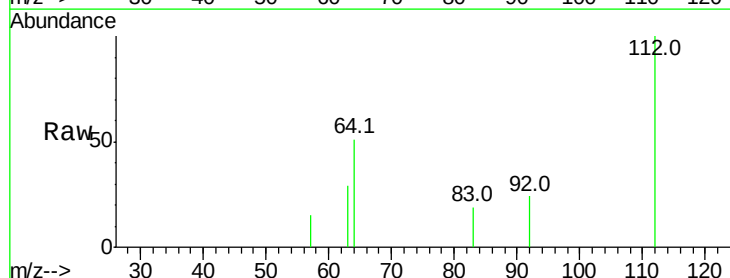
Tgt Ion:112 Resp: 4270

Ion Ratio Lower Upper

112 100

64 51.4 42.2 63.2

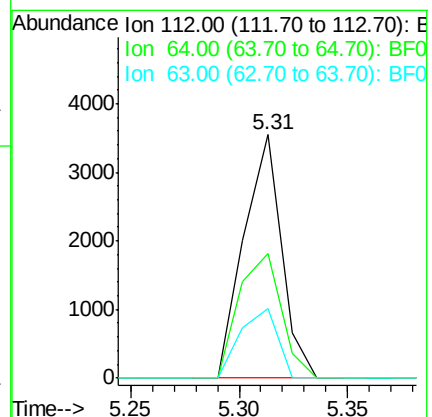
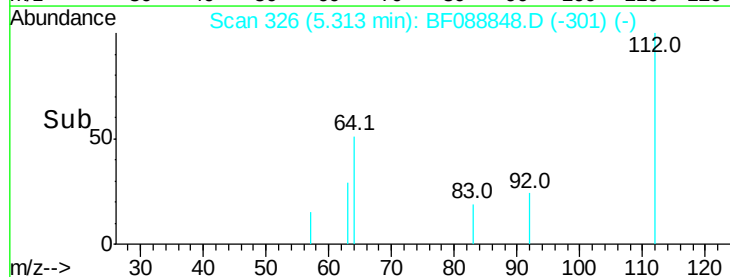
63 28.5 21.8 32.8

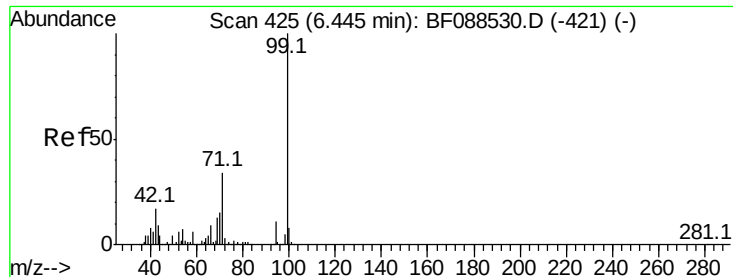


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.61 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF088848.D

Acq: 9 Jul 2016 2:43

Instrument :

BNA_F

ClientSampleId :

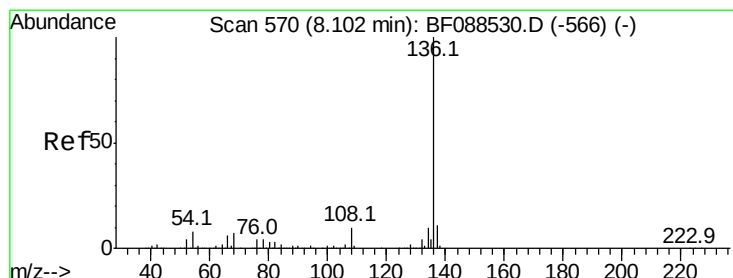
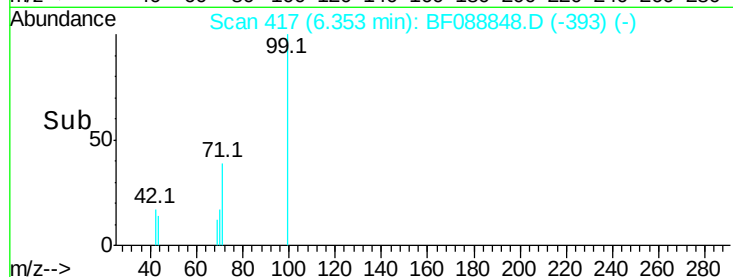
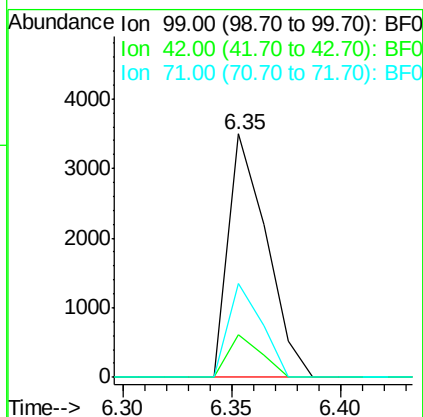
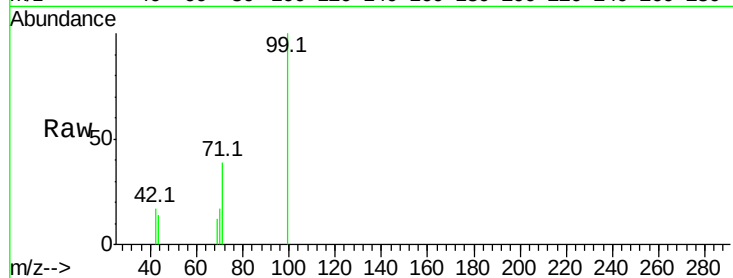
Tot Ion: 99 Resp: 4258

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

71 38.7 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088848.D

Acq: 9 Jul 2016 2:43

Tgt Ion: 136 Resp: 307162

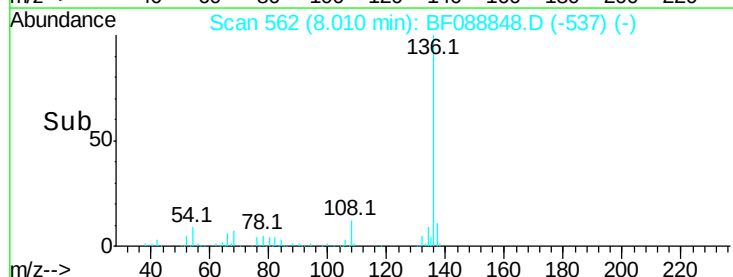
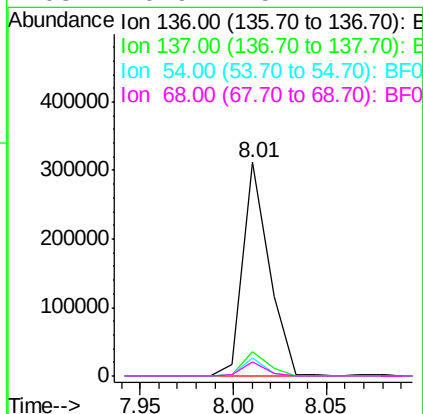
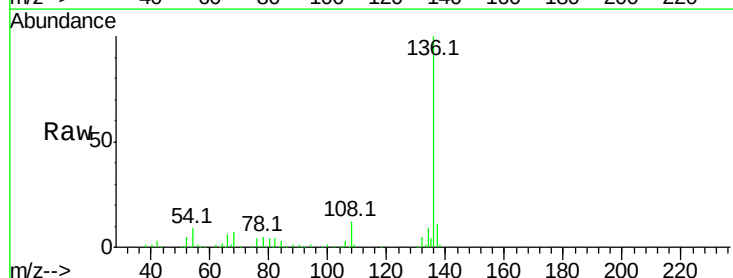
Ion Ratio Lower Upper

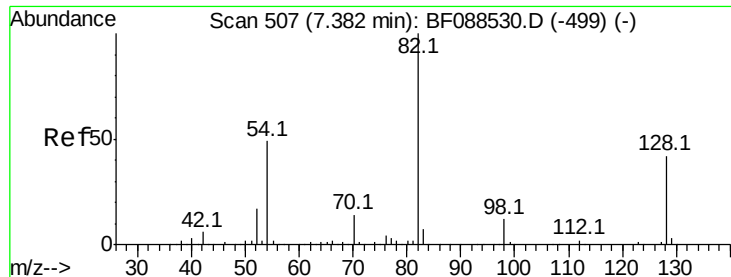
136 100

137 11.2 9.1 13.7

54 8.7 6.6 10.0

68 6.9 5.1 7.7

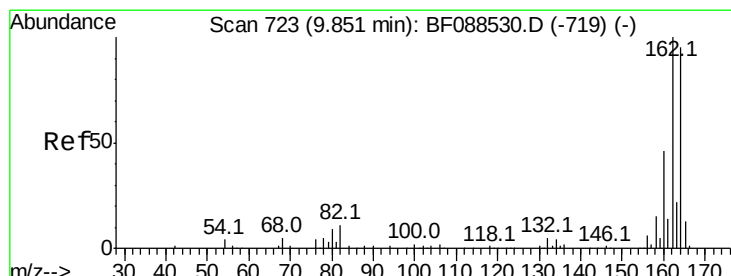
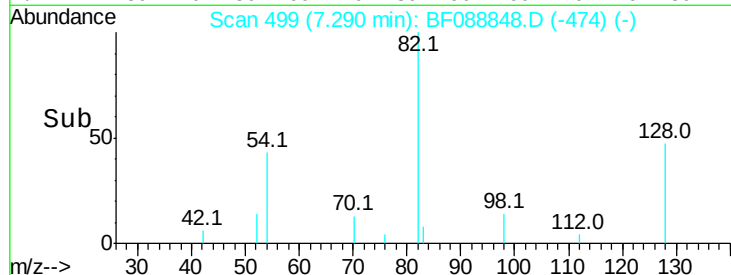
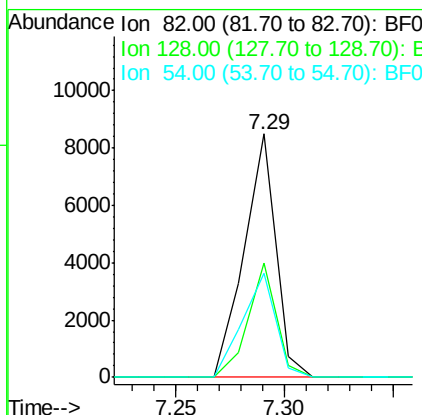
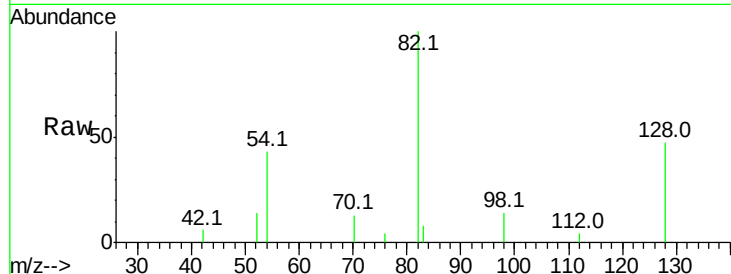




#23
 Nitrobenzene-d5
 Concen: 1.46 ng
 RT: 7.29 min Scan# 499
 Delta R.T. -0.01 min
 Lab File: BF088848.D
 Acq: 9 Jul 2016 2:43

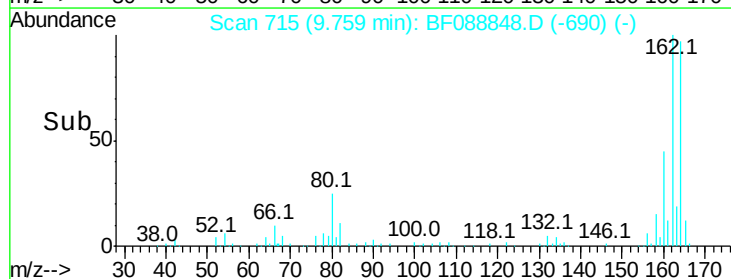
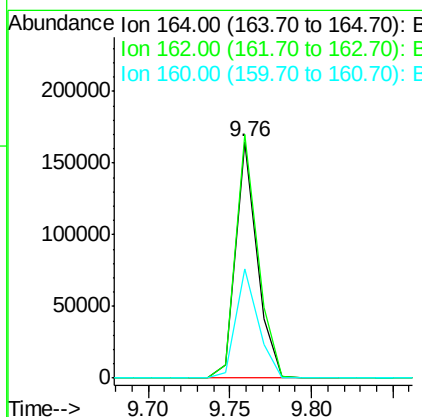
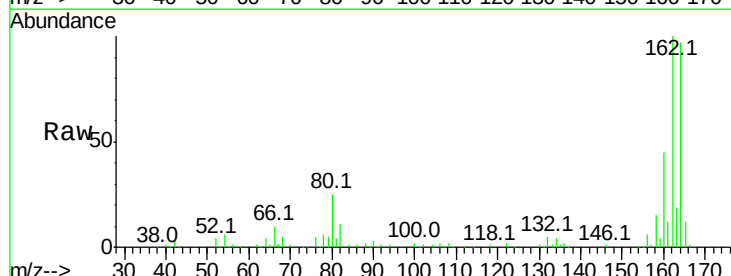
Instrument :
 BNA_F
 ClientSampleId :

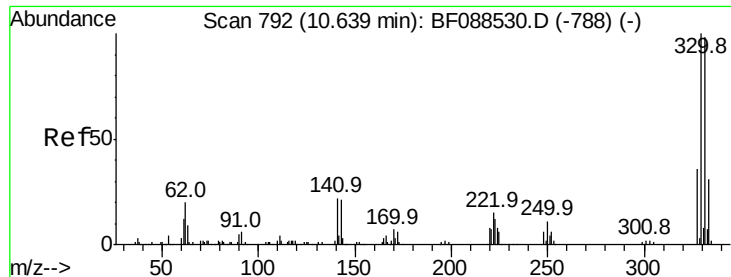
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.9	53.9
54	42.8	40.9	61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.01 min
 Lab File: BF088848.D
 Acq: 9 Jul 2016 2:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	85.4	128.2
160	46.1	39.5	59.3





#41

2,4,6-Tribromophenol

Concen: 2.14 ng

RT: 10.55 min Scan# 784

Delta R.T. -0.01 min

Lab File: BF088848.D

Acq: 9 Jul 2016 2:43

Instrument :

BNA_F

ClientSampleId :

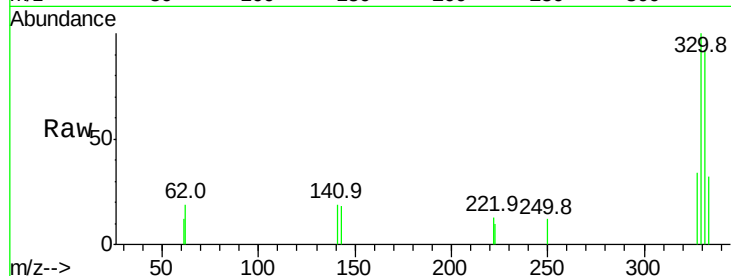
Tot Ion:330 Resp: 2946

Ion Ratio Lower Upper

330 100

332 102.8 0.0 0.0#

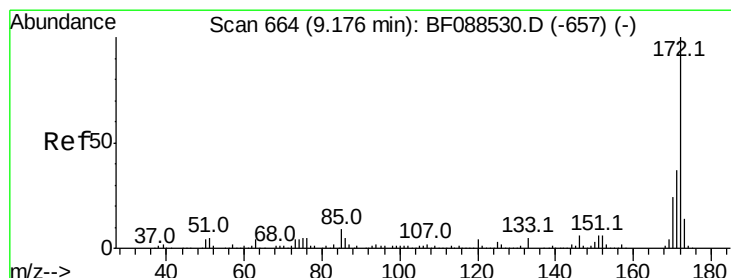
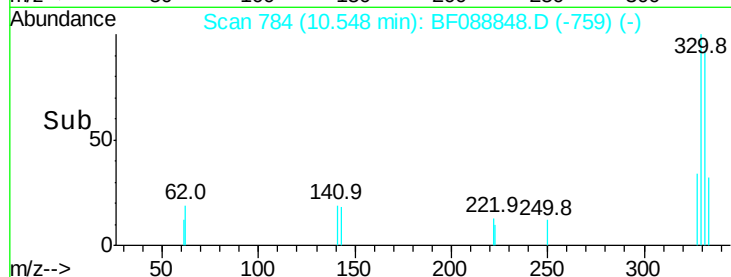
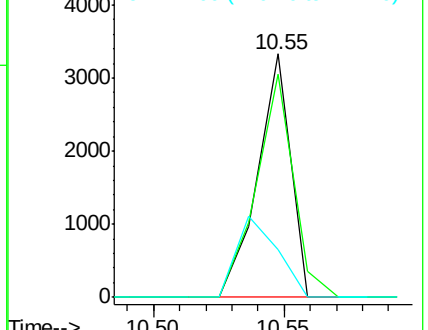
141 40.8 0.0 0.0#



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: 2.08 ng

RT: 9.08 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF088848.D

Acq: 9 Jul 2016 2:43

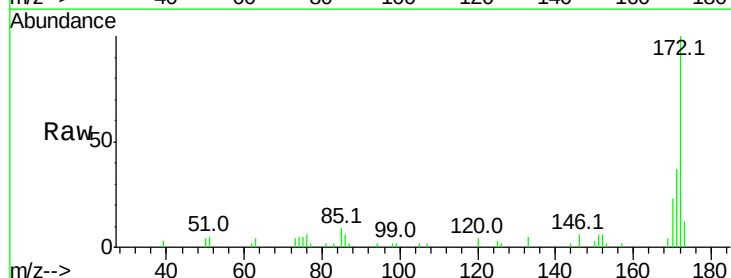
Tgt Ion:172 Resp: 19538

Ion Ratio Lower Upper

172 100

171 36.5 28.6 43.0

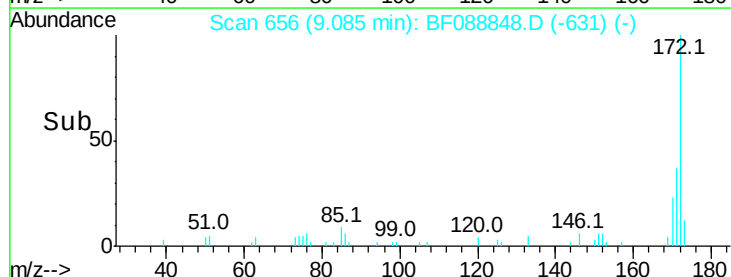
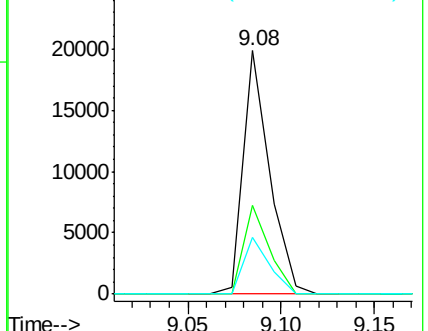
170 23.2 19.2 28.8

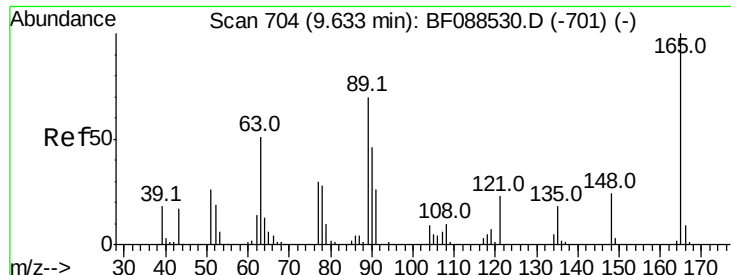


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

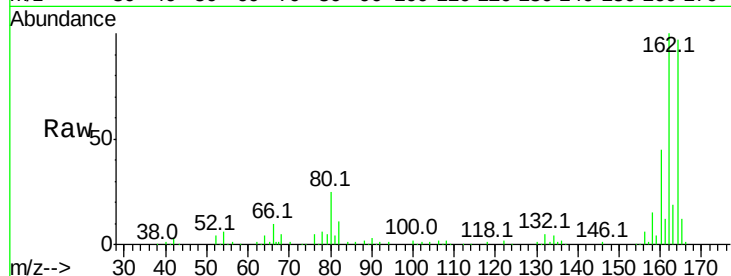




#50
 2,6-Dinitrotoluene
 Concen: 7.99 ng
 RT: 9.76 min Scan# 715
 Delta R.T. 0.19 min
 Lab File: BF088848.D
 Acq: 9 Jul 2016 2:43

Instrument :
 BNA_F
 ClientSampleId :

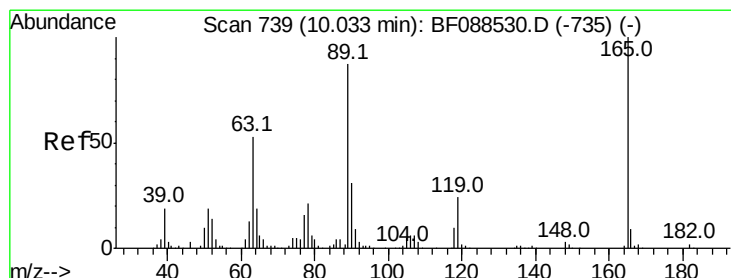
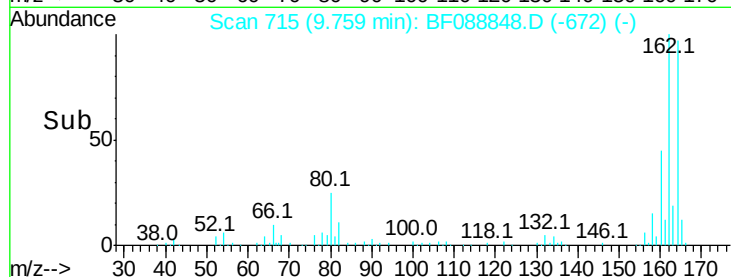
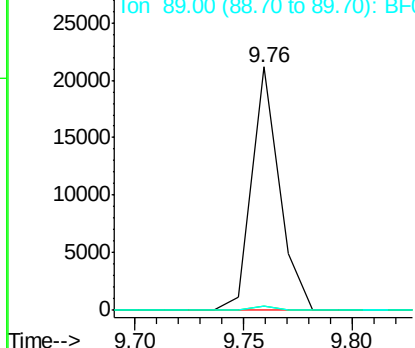
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	28.1	42.1#
89	1.8	32.2	48.2#



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: 6.11 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.19 min
 Lab File: BF088848.D
 Acq: 9 Jul 2016 2:43

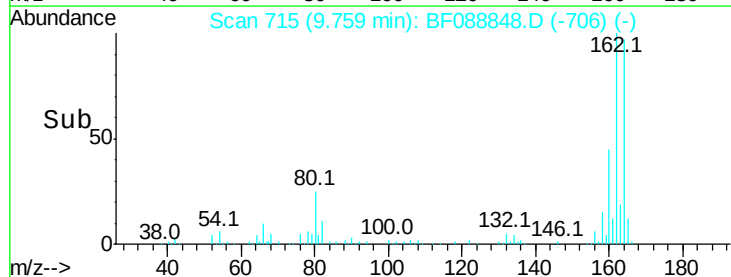
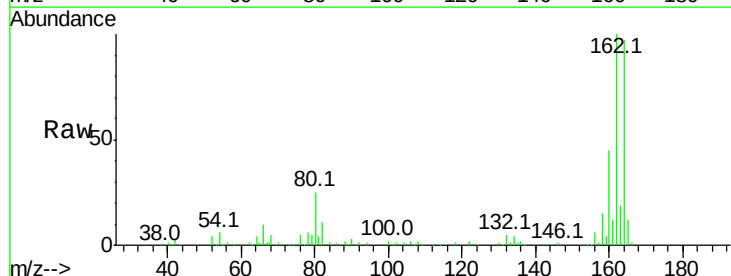
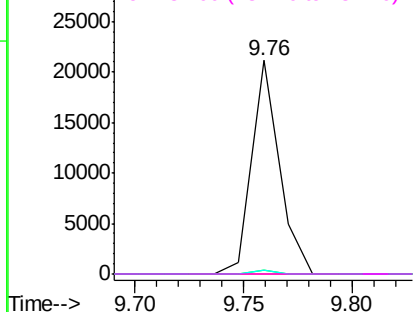
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	22.0	33.0#
89	1.8	41.1	61.7#
182	0.0	2.0	3.0#

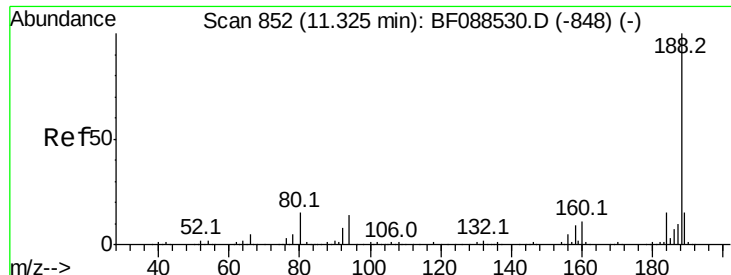
Abundance Ion 165.00 (164.70 to 165.70): E

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

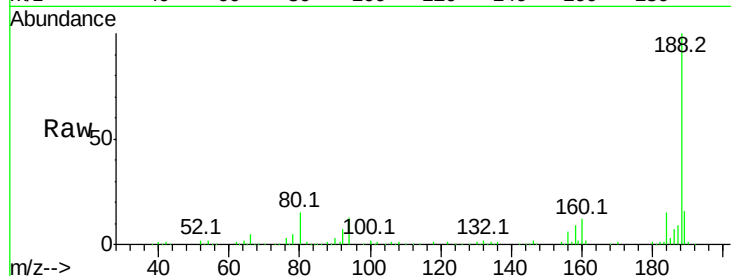




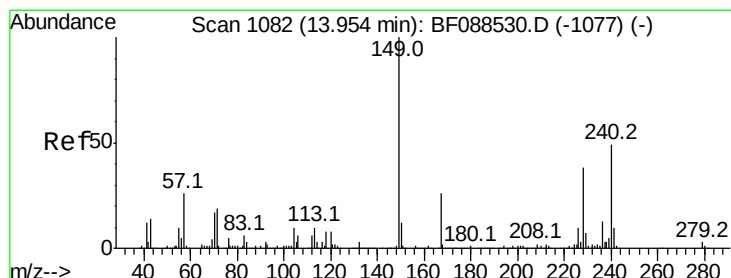
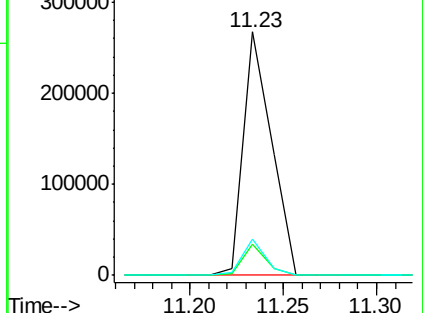
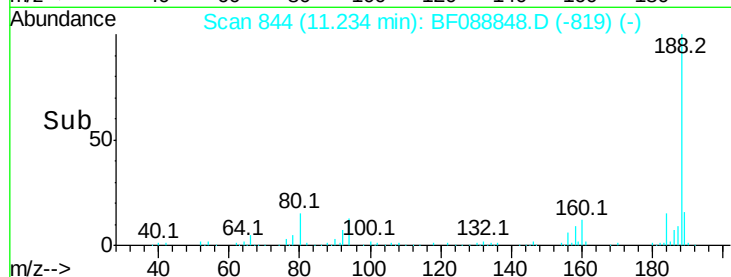
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088848.D
Acq: 9 Jul 2016 2:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 281362
Ion Ratio Lower Upper
188 100
94 12.8 9.0 13.6
80 15.1 10.0 15.0#

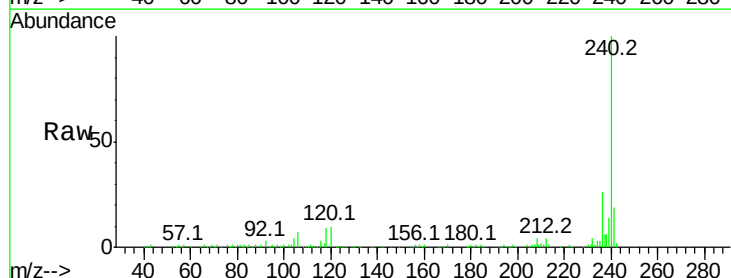


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

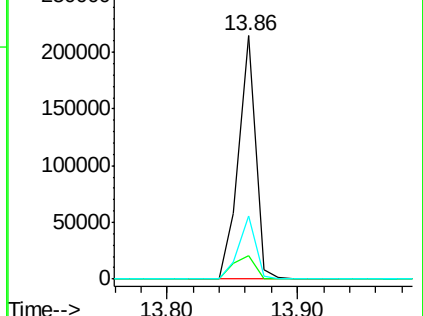
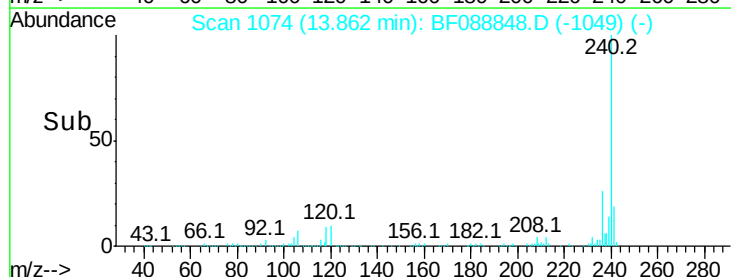


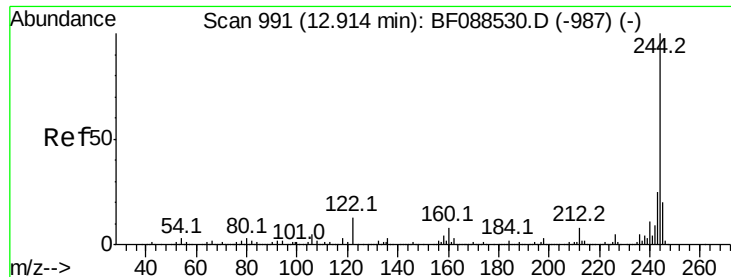
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1074
Delta R.T. -0.01 min
Lab File: BF088848.D
Acq: 9 Jul 2016 2:43

Tgt Ion:240 Resp: 194622
Ion Ratio Lower Upper
240 100
120 9.7 6.8 10.2
236 25.9 20.2 30.2



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

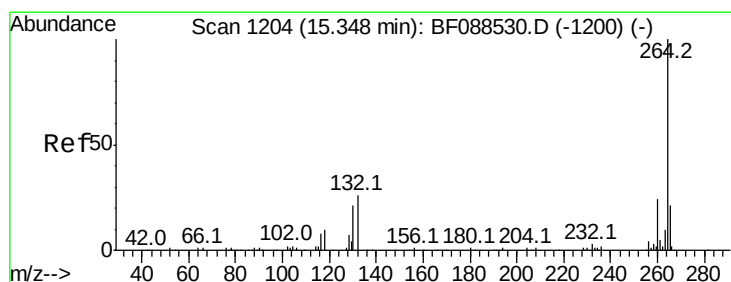
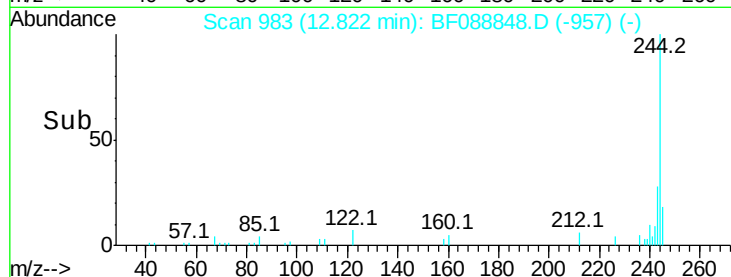
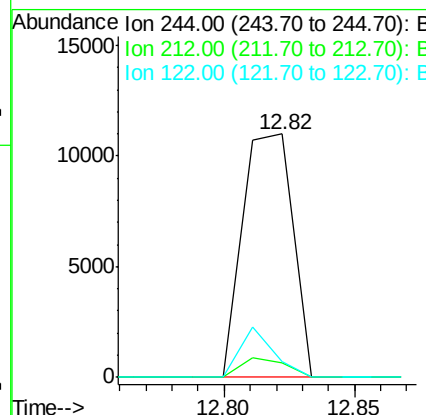
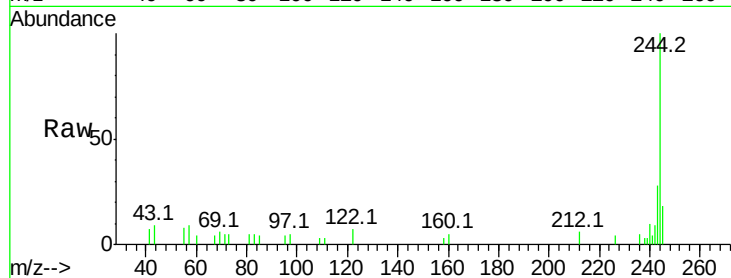




#78
 Terphenyl-d14
 Concen: 1.70 ng
 RT: 12.82 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: BF088848.D
 Acq: 9 Jul 2016 2:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 14891
 Ion Ratio Lower Upper
 244 100
 212 6.0 6.0 9.0
 122 6.7 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF088848.D
 Acq: 9 Jul 2016 2:43

Tgt Ion:264 Resp: 162648
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.6 16.9 25.3

