

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088616.D
 Acq On : 2 Jul 2016 14:44
 Operator : UM/SJ
 Sample : H3871-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R5-B4(0-11)C

Quant Time: Jul 03 03:02:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

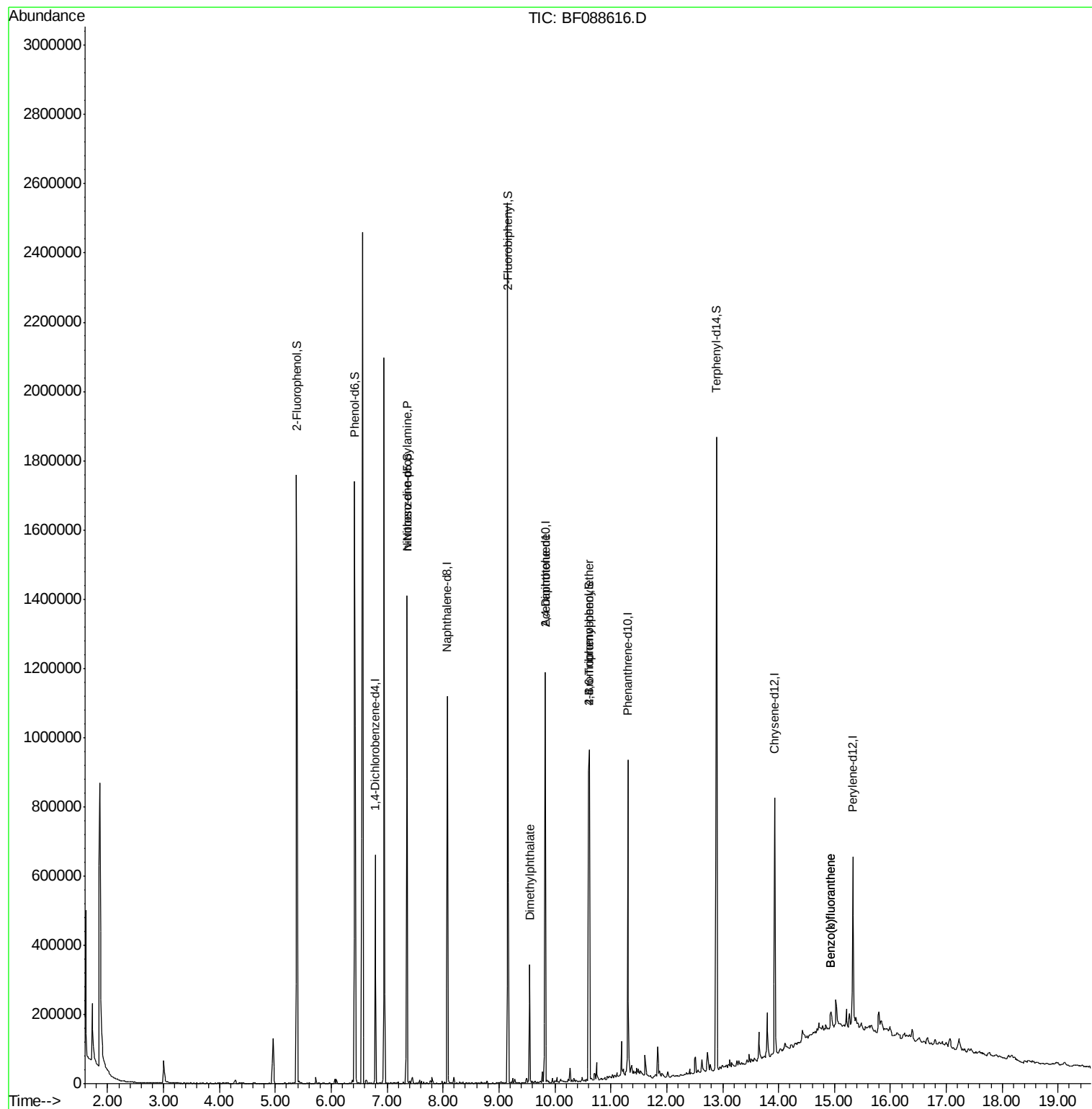
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	110231	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	471169	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	204594	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	306043	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	218874	20.00	ng	-0.02
86) Perylene-d12	15.33	264	231980	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	655362	89.10	ng	-0.02
7) Phenol-d6	6.42	99	823498	86.65	ng	-0.02
23) Nitrobenzene-d5	7.36	82	579036	64.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	162883	85.73	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	766992	59.22	ng	-0.02
78) Terphenyl-d14	12.89	244	536646	54.61	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	76380	11.96	ng	# 68
49) Dimethylphthalate	9.55	163	180748	12.40	ng	# 99
56) 2,4-Dinitrotoluene	9.83	165	26132	6.19	ng	# 38
66) 4-Bromophenyl-phenylether	10.62	248	10556	3.42	ng	# 1
87) Benzo(b)fluoranthene	14.94	252	31831	2.19	ng	# 85
88) Benzo(k)fluoranthene	14.94	252	31831	2.51	ng	# 90

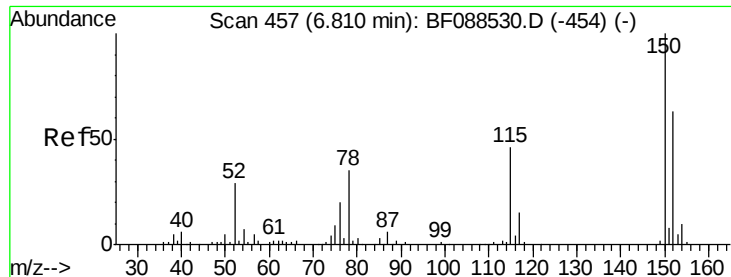
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

Instrument :

BNA_F

ClientSampleId :

R5-B4(0-11)C

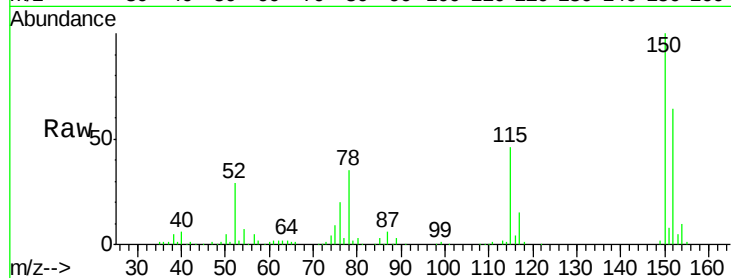
Tgt Ion:152 Resp: 110231

Ion Ratio Lower Upper

152 100

150 155.5 123.8 185.6

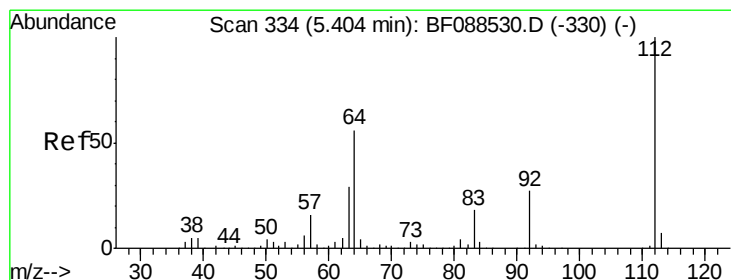
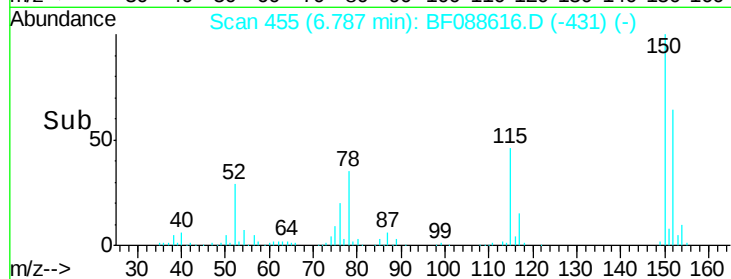
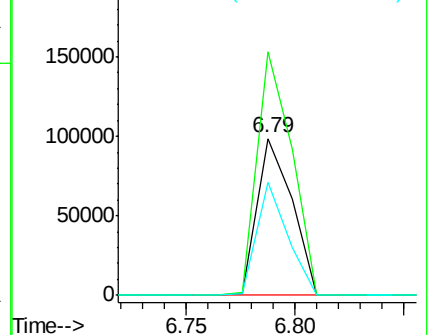
115 72.2 39.6 59.4#



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: 89.10 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

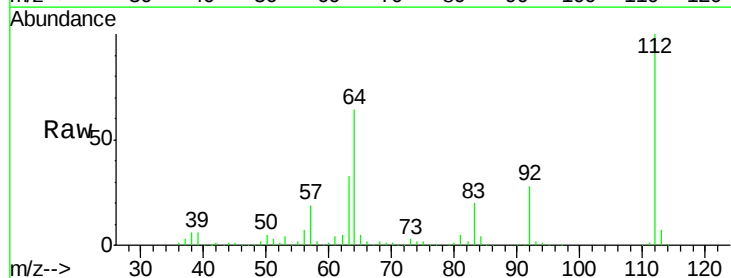
Tgt Ion:112 Resp: 655362

Ion Ratio Lower Upper

112 100

64 63.7 42.2 63.2#

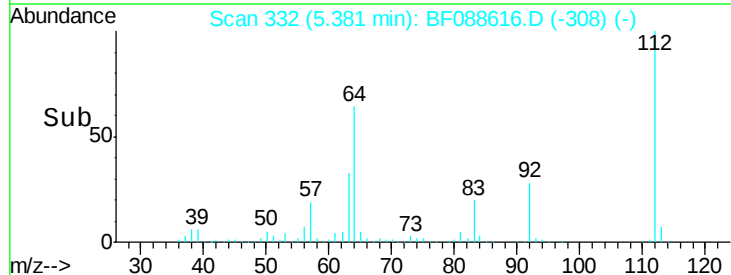
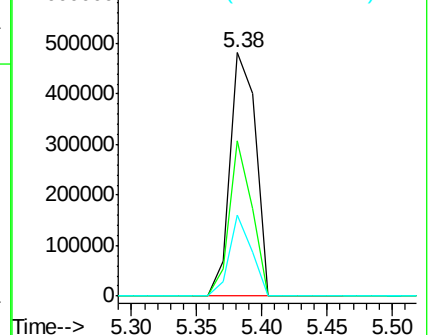
63 33.1 21.8 32.8#



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: 86.65 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

Instrument :

BNA_F

ClientSampleId :

R5-B4(0-11)C

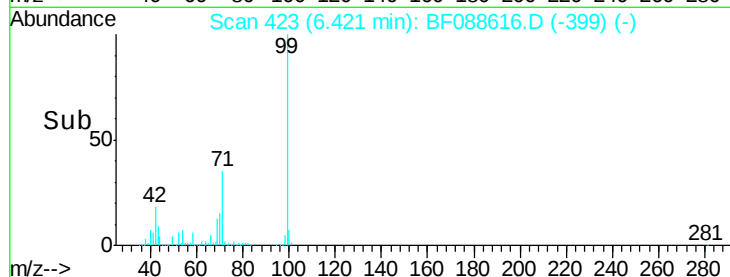
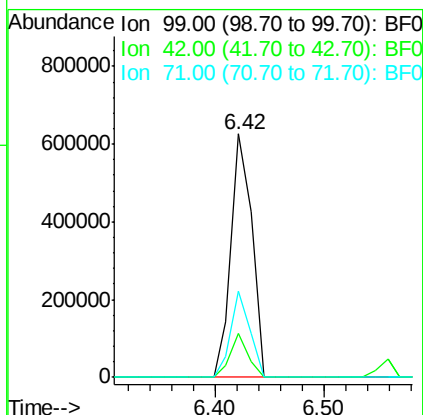
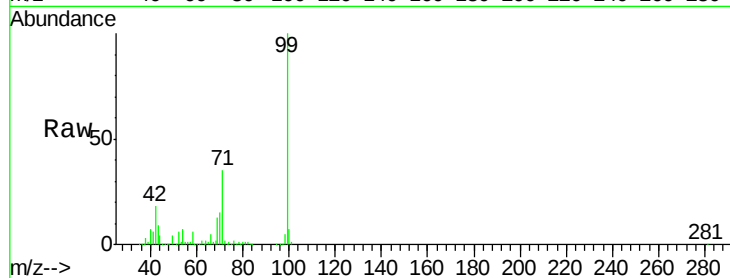
Tgt Ion: 99 Resp: 823498

Ion Ratio Lower Upper

99 100

42 18.3 12.2 18.2#

71 35.4 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 11.96 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.13 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

Tgt Ion: 70 Resp: 76380

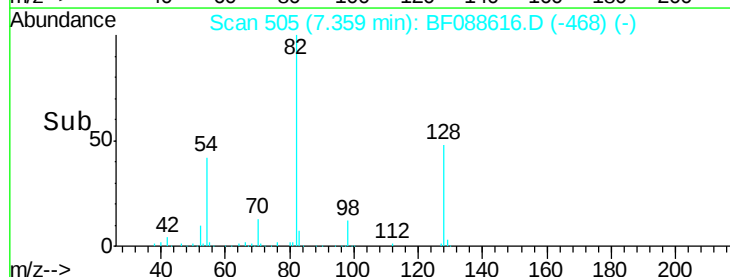
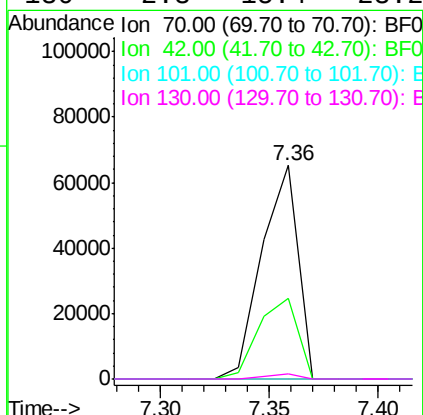
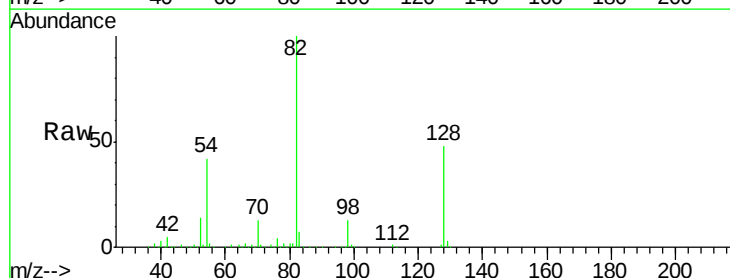
Ion Ratio Lower Upper

70 100

42 37.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

Instrument :

BNA_F

ClientSampleId :

R5-B4(0-11)C

Tgt Ion:136 Resp: 471169

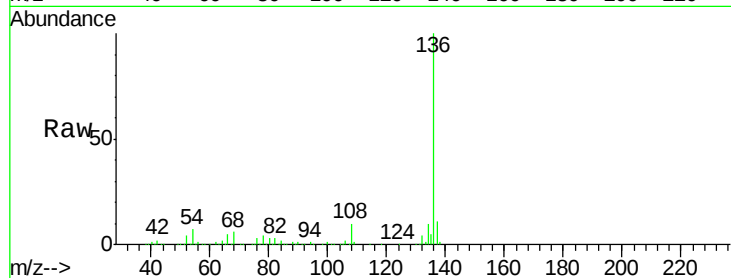
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.2 6.6 10.0

68 6.1 5.1 7.7

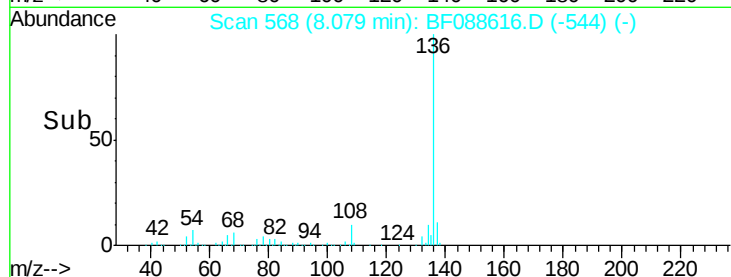


Abundance Ion 136.00 (135.70 to 136.70): E

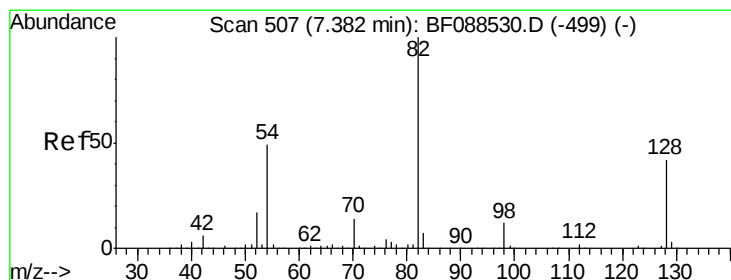
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.00 8.05 8.10



#23

Nitrobenzene-d5

Concen: 64.40 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

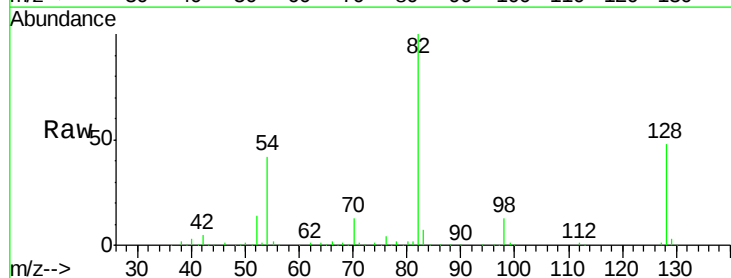
Tgt Ion: 82 Resp: 579036

Ion Ratio Lower Upper

82 100

128 48.1 35.9 53.9

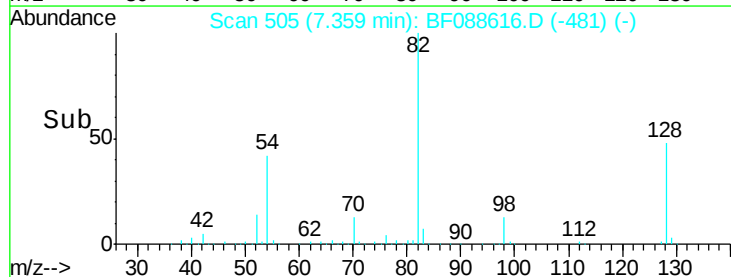
54 42.5 40.9 61.3



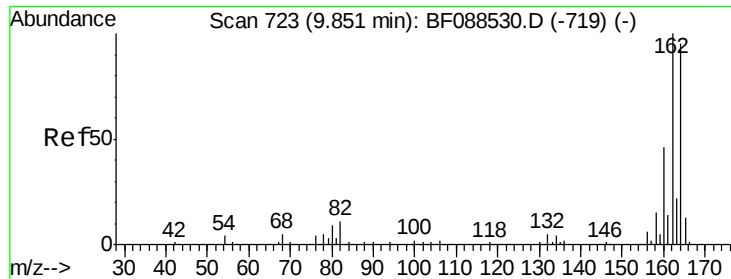
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.30 7.35 7.40



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

Instrument :

BNA_F

ClientSampleId :

R5-B4(0-11)C

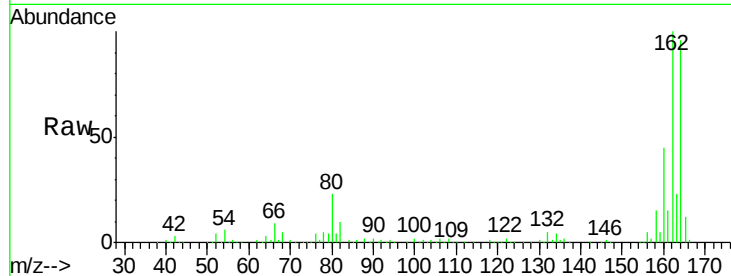
Tgt Ion:164 Resp: 204594

Ion Ratio Lower Upper

164 100

162 104.3 85.4 128.2

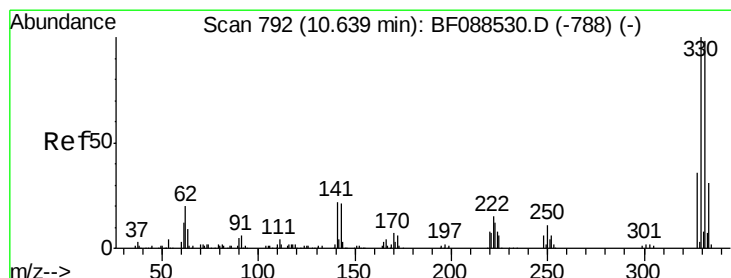
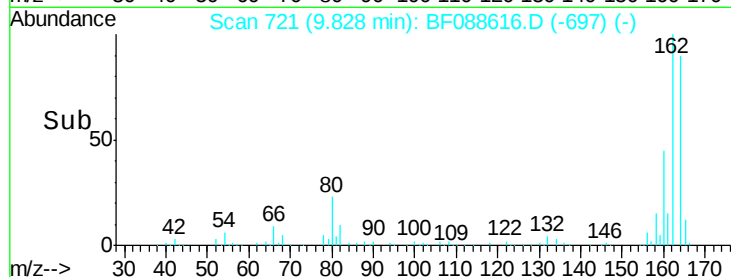
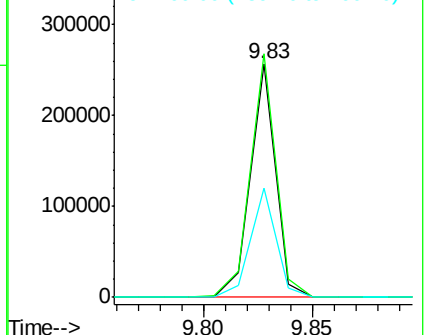
160 46.9 39.5 59.3



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: 85.73 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

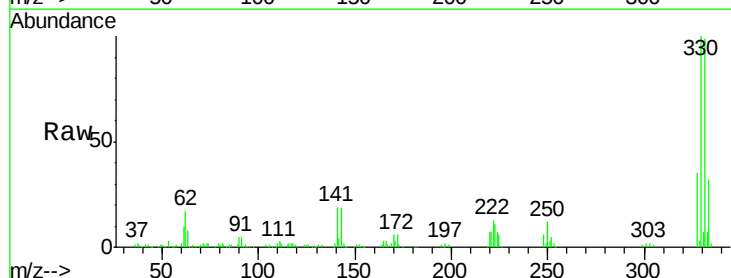
Tgt Ion:330 Resp: 162883

Ion Ratio Lower Upper

330 100

332 98.3 0.0 0.0#

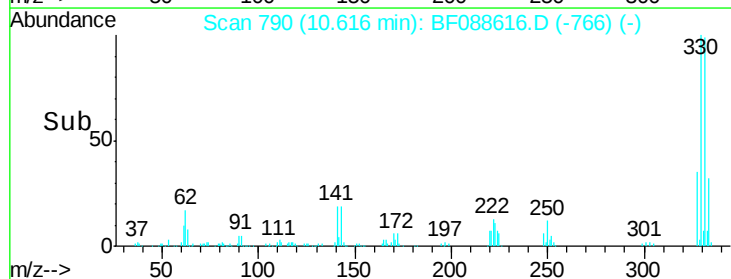
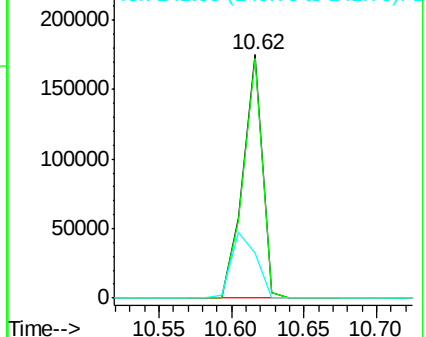
141 35.1 0.0 0.0#



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

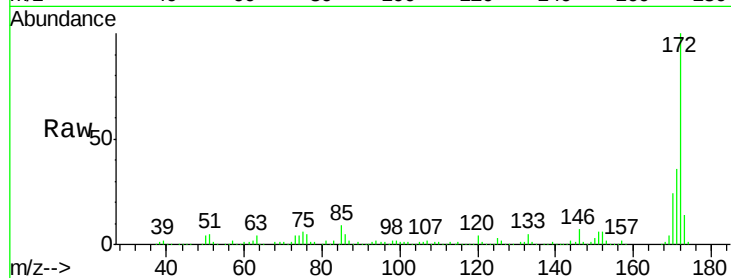




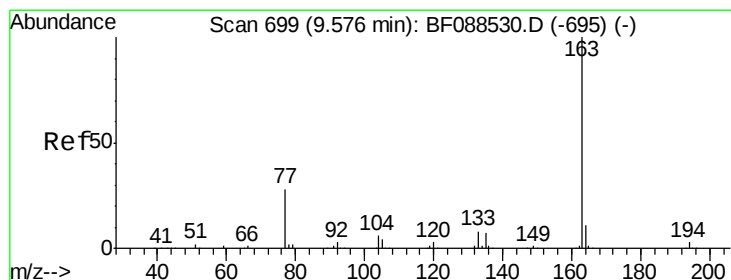
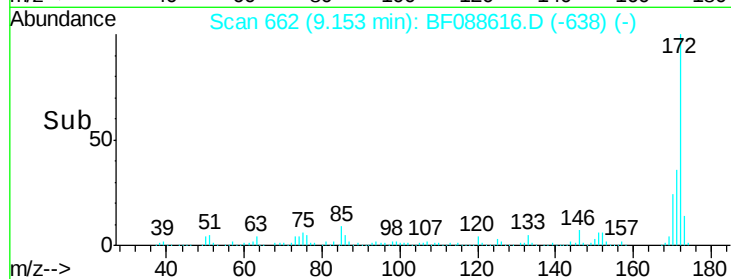
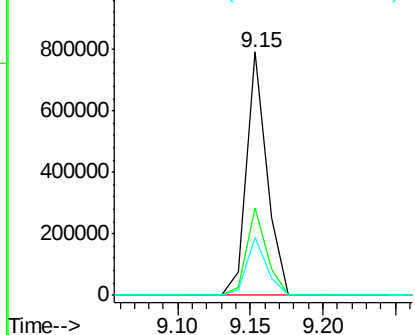
#44
 2-Fluorobiphenyl
 Concen: 59.22 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF088616.D
 Acq: 2 Jul 2016 14:44

Instrument :
 BNA_F
 ClientSampleId :
 R5-B4(0-11)C

Tgt Ion:172 Resp: 766992
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 23.9 19.2 28.8

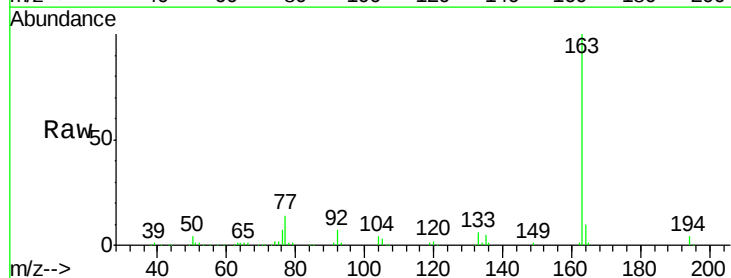


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

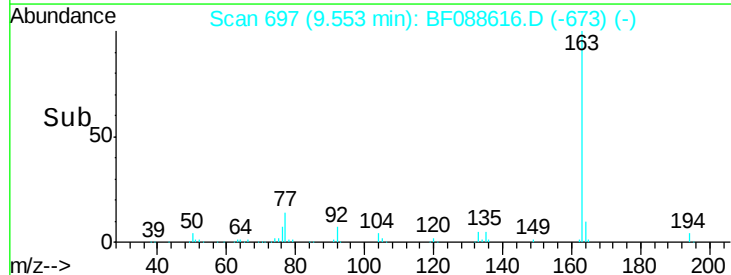
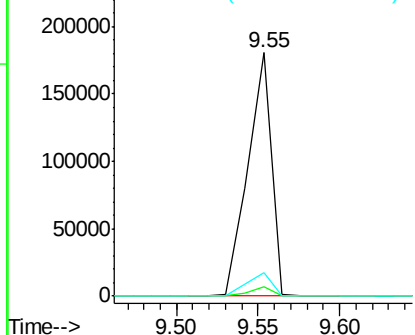


#49
 Dimethylphthalate
 Concen: 12.40 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF088616.D
 Acq: 2 Jul 2016 14:44

Tgt Ion:163 Resp: 180748
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.8 4.2
 164 9.8 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

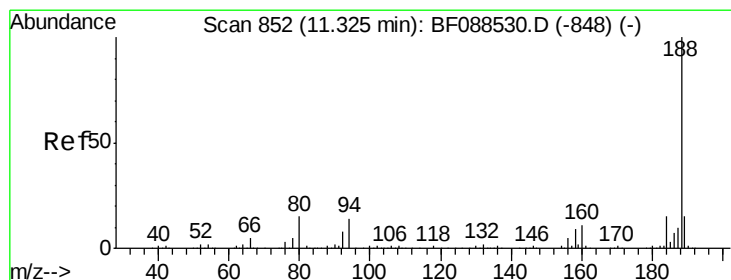
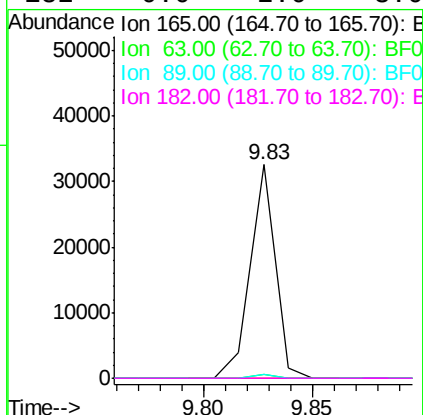
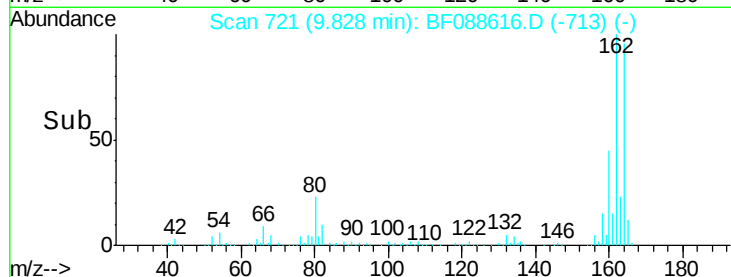
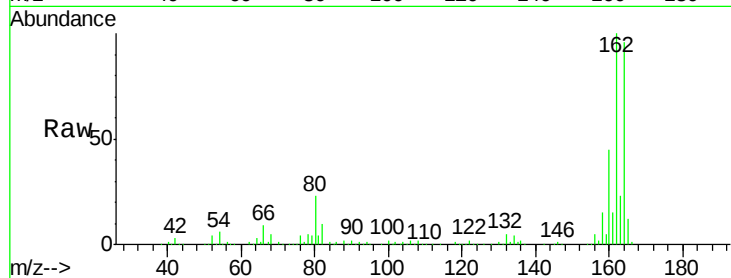




#56
 2,4-Dinitrotoluene
 Concen: 6.19 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.21 min
 Lab File: BF088616.D
 Acq: 2 Jul 2016 14:44

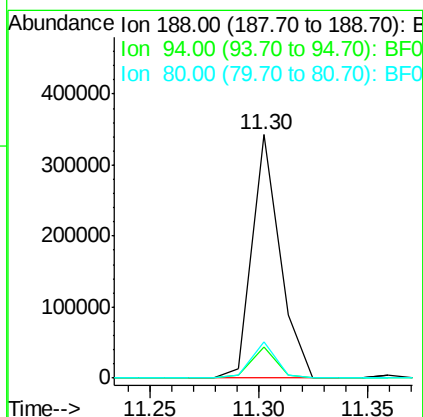
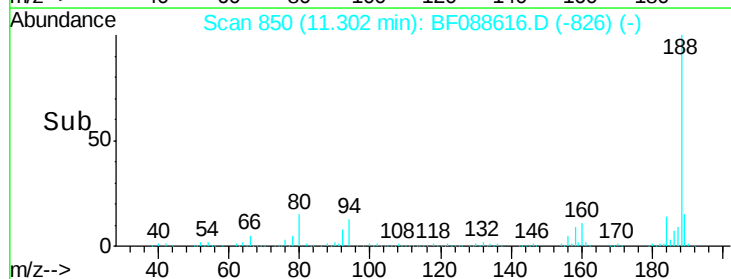
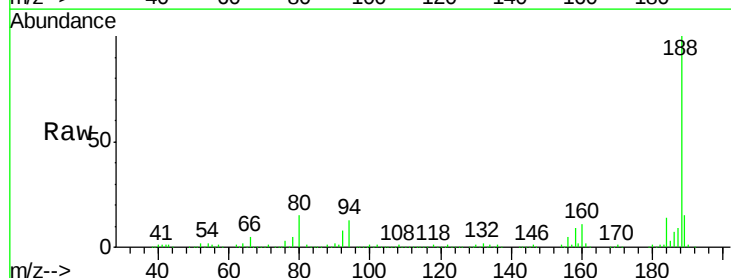
Instrument :
 BNA_F
 ClientSampleId :
 R5-B4(0-11)C

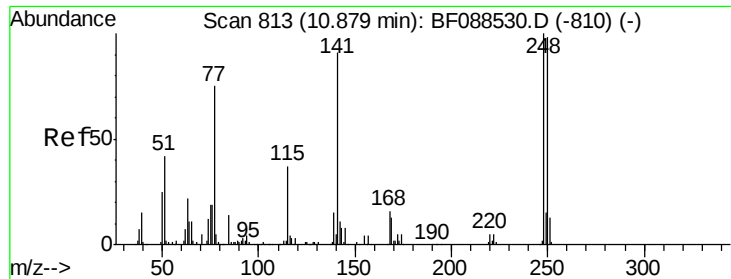
Tgt Ion:	165	Resp:	26132
Ion Ratio	Lower	Upper	
165	100		
63	1.5	22.0	33.0#
89	2.1	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.02 min
 Lab File: BF088616.D
 Acq: 2 Jul 2016 14:44

Tgt Ion:	188	Resp:	306043
Ion Ratio	Lower	Upper	
188	100		
94	12.7	9.0	13.6
80	14.9	10.0	15.0





#66

4-Bromophenyl-phenylether

Concen: 3.42 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.26 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

Instrument :

BNA_F

ClientSampleId :

R5-B4(0-11)C

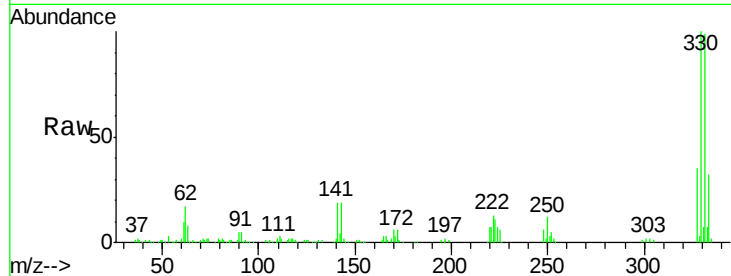
Tgt Ion:248 Resp: 10556

Ion Ratio Lower Upper

248 100

250 207.3 77.1 115.7#

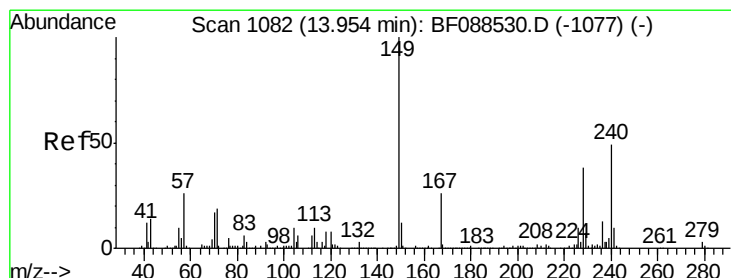
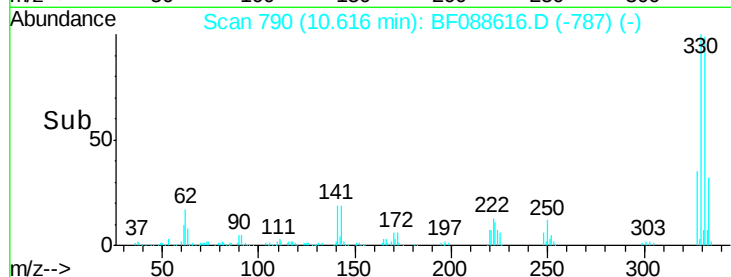
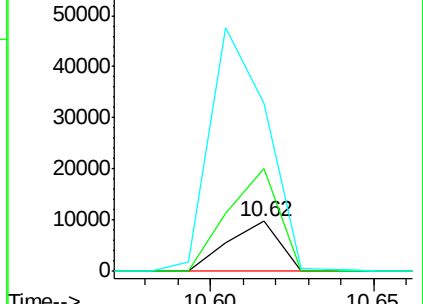
141 337.5 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

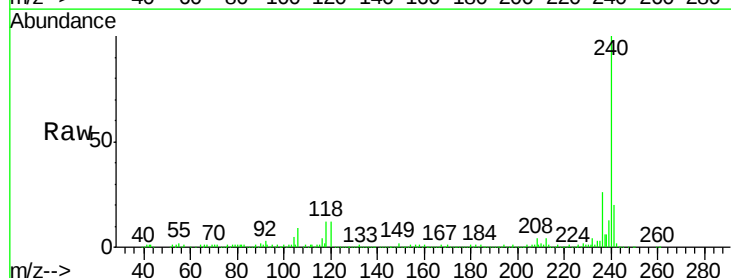
Tgt Ion:240 Resp: 218874

Ion Ratio Lower Upper

240 100

120 12.5 6.8 10.2#

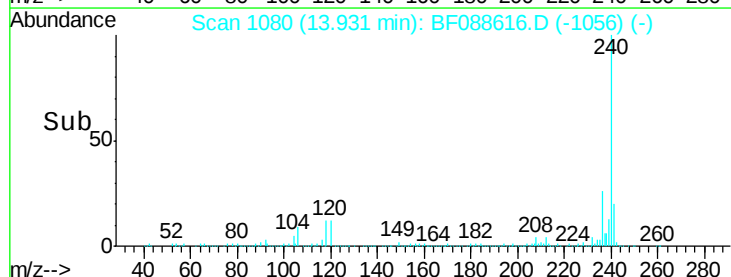
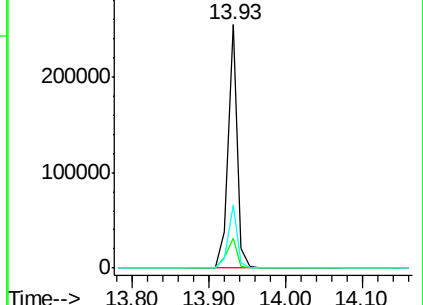
236 25.9 20.2 30.2



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: 54.61 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

Instrument :

BNA_F

ClientSampleId :

R5-B4(0-11)C

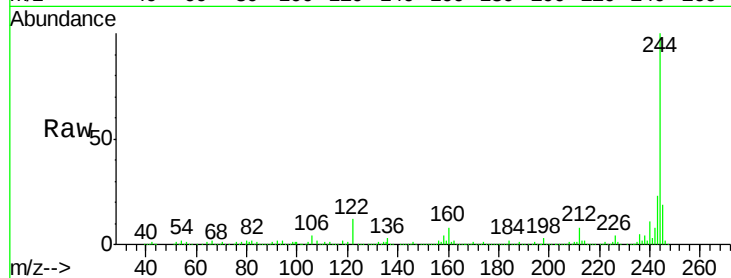
Tgt Ion:244 Resp: 536646

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

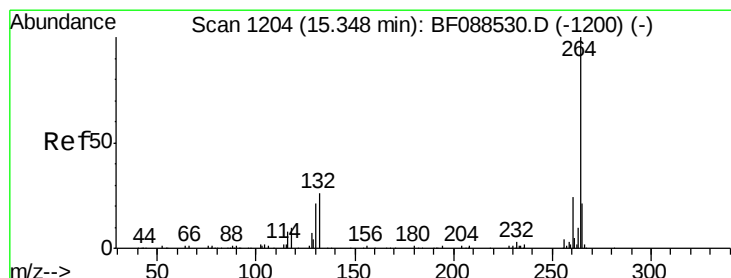
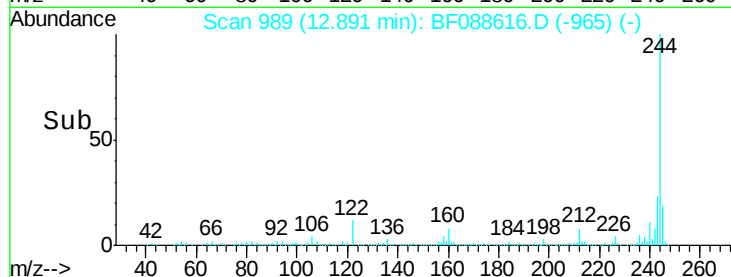
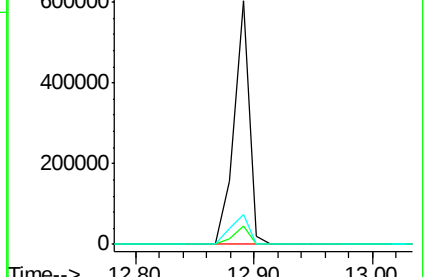
122 12.1 11.2 16.8



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: 15.33 min Scan# 1202

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

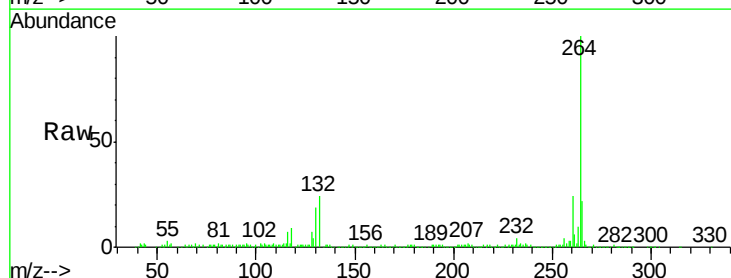
Tgt Ion:264 Resp: 231980

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

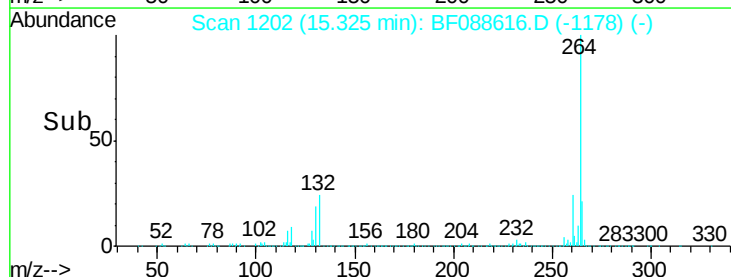
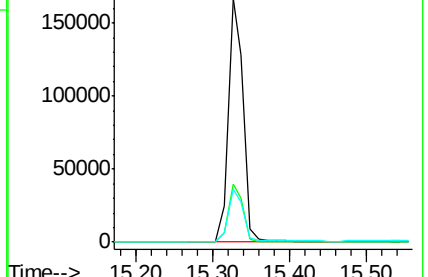
265 21.5 16.9 25.3

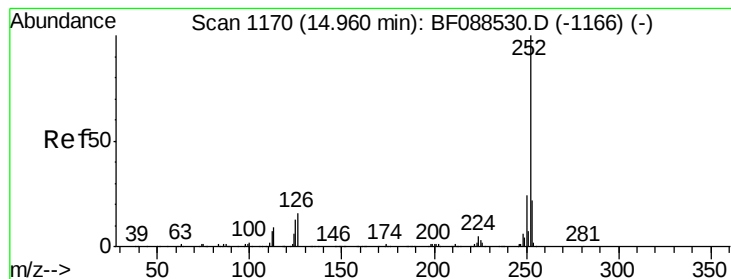


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.19 ng

RT: 14.94 min Scan# 1168

Delta R.T. -0.02 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

Instrument :

BNA_F

ClientSampleId :

R5-B4(0-11)C

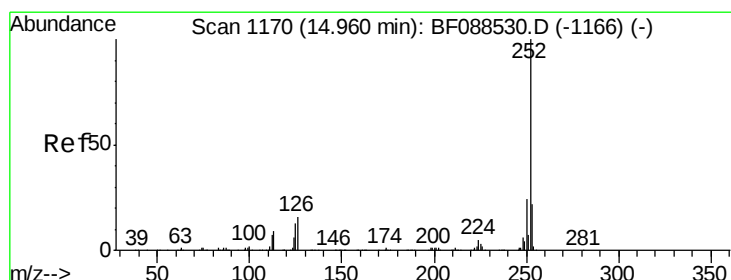
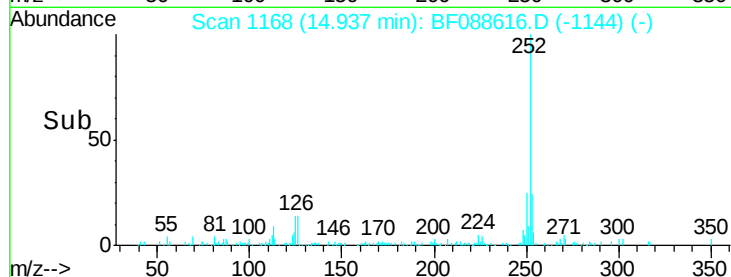
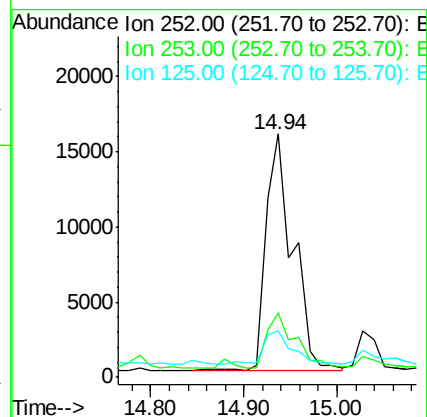
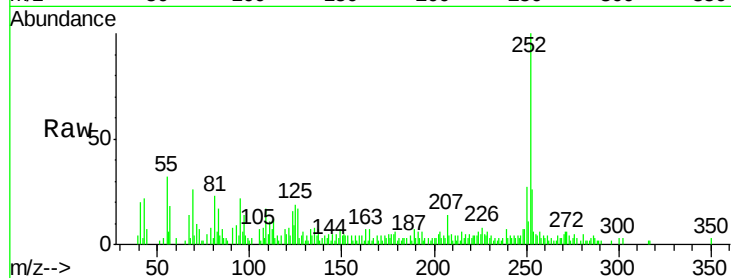
Tgt Ion:252 Resp: 31831

Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.2#

125 19.2 7.1 10.7#



#88

Benzo(k)fluoranthene

Concen: 2.51 ng

RT: 14.94 min Scan# 1168

Delta R.T. -0.05 min

Lab File: BF088616.D

Acq: 2 Jul 2016 14:44

Tgt Ion:252 Resp: 31831

Ion Ratio Lower Upper

252 100

253 26.4 18.0 27.0

125 19.2 11.2 16.8#

