

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084248.D
 Acq On : 4 Jan 2016 19:30
 Operator : UM/SJ
 Sample : G4986-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-10-21.0-21.5

Quant Time: Jan 05 01:30:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

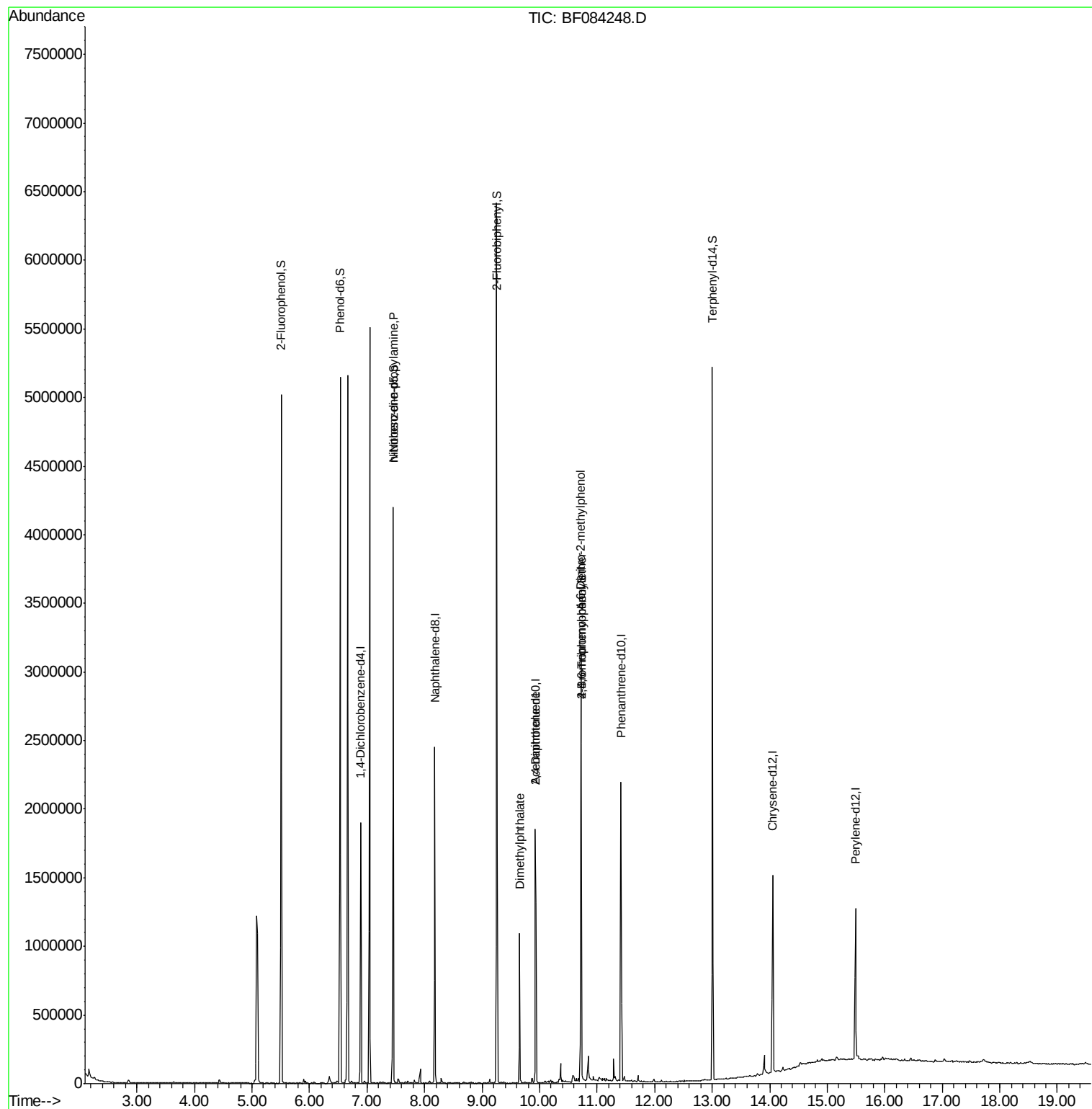
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	256517	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1091048	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	461336	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	756418	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	525903	20.00	ng	-0.01
86) Perylene-d12	15.49	264	517125	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1595753	100.62	ng	0.01
7) Phenol-d6	6.53	99	1921526	96.47	ng	0.00
23) Nitrobenzene-d5	7.46	82	1480103	75.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	519260	111.49	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2013269	76.11	ng	-0.01
78) Terphenyl-d14	13.00	244	1488033	63.16	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	205897	15.27	ng	# 71
49) Dimethylphthalate	9.65	163	428667	13.00	ng	# 90
56) 2,4-Dinitrotoluene	9.93	165	58018	6.34	ng	# 21
57) Fluorene	10.72	166	18602	Below Cal		# 89
64) 4,6-Dinitro-2-methylphenol	10.72	198	1004	6.58	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	32274	3.96	ng	# 1
73) Di-n-butylphthalate	11.98	149	9494	Below Cal		# 95

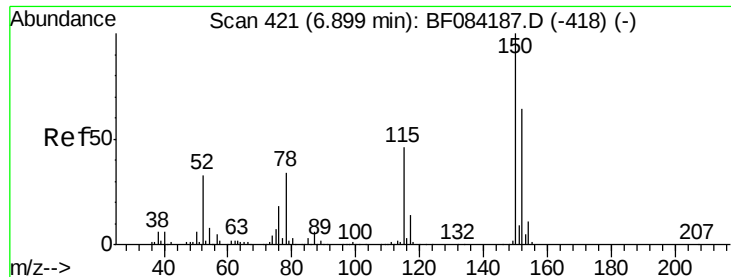
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 05 01:30:47 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-21.0-21.5

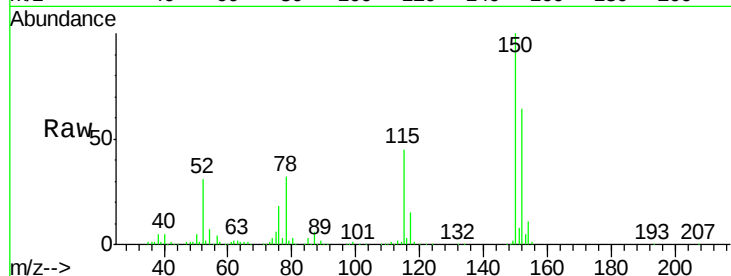
Tgt Ion:152 Resp: 256517

Ion Ratio Lower Upper

152 100

150 157.3 123.0 184.4

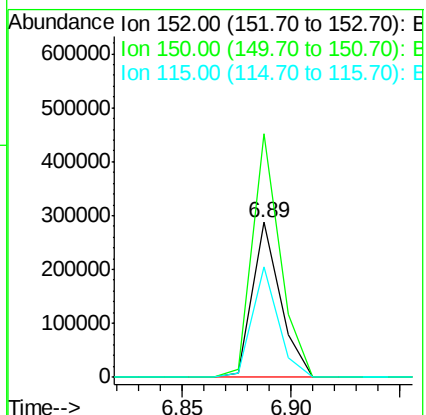
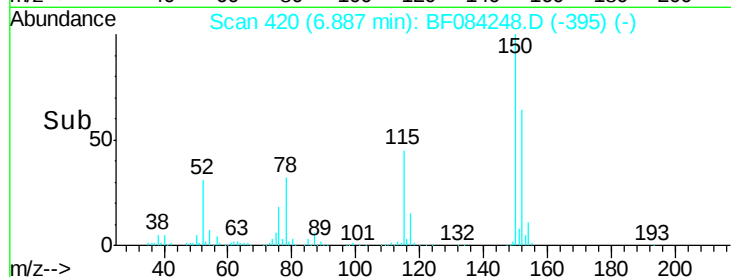
115 71.5 51.4 77.2



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: 100.62 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

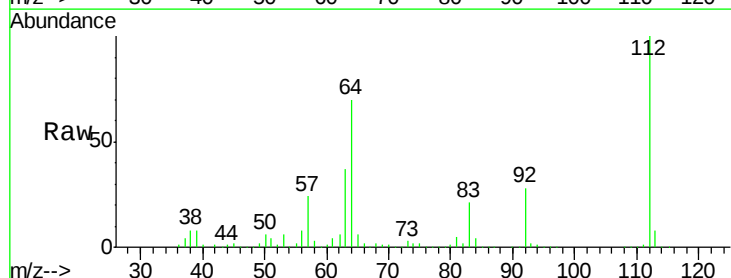
Tgt Ion:112 Resp: 1595753

Ion Ratio Lower Upper

112 100

64 69.6 36.6 55.0#

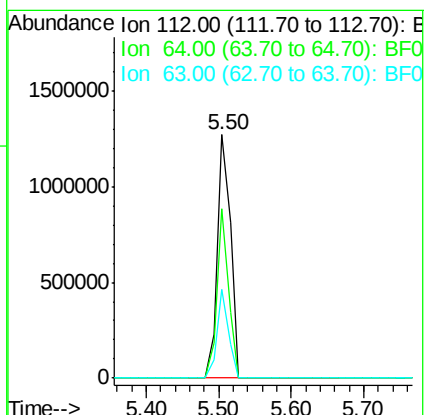
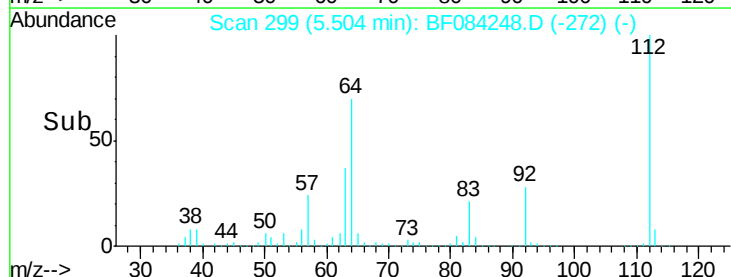
63 36.7 19.4 29.0#

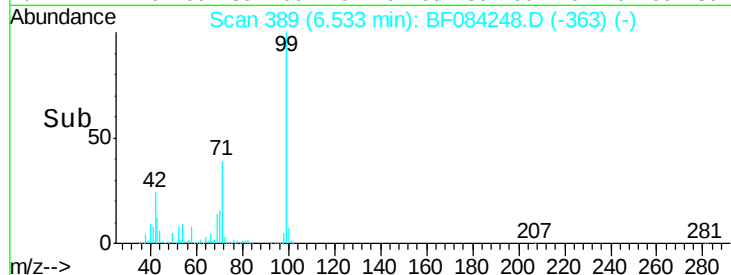
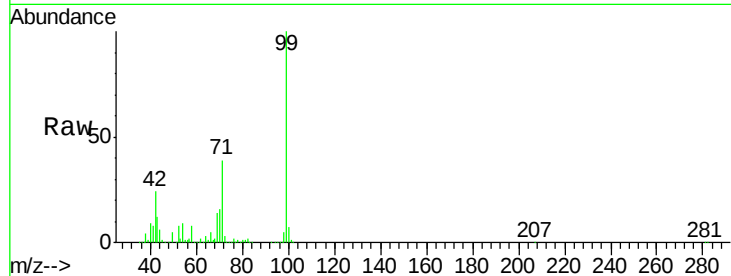
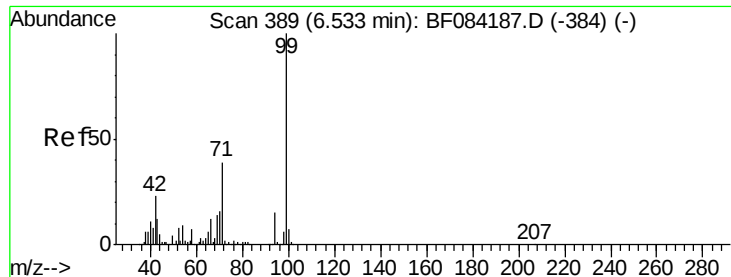


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.47 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-21.0-21.5

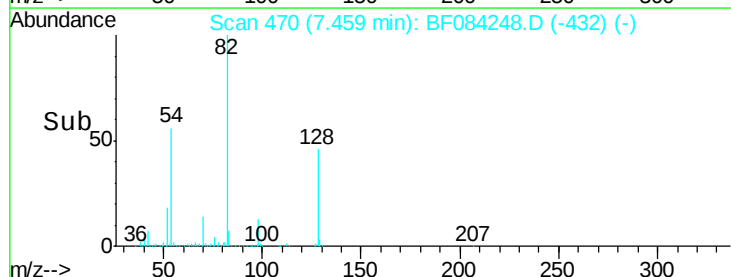
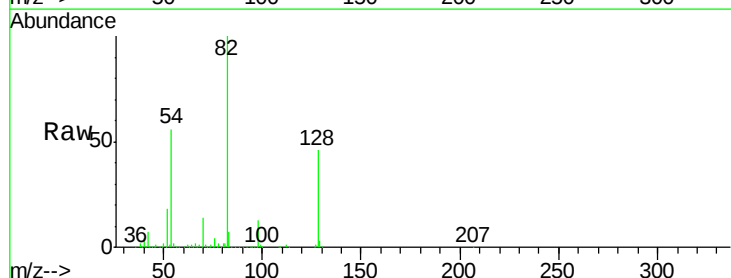
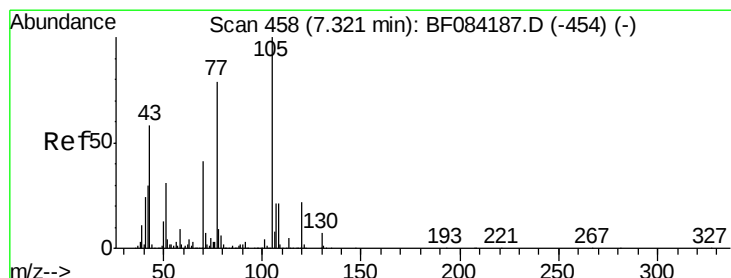
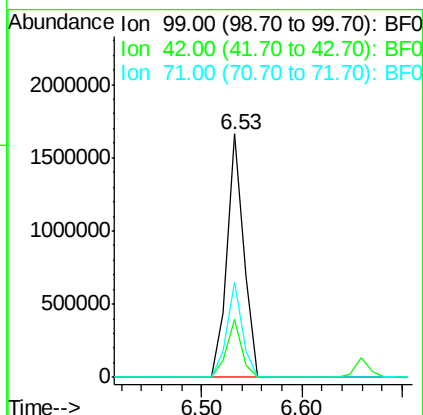
Tgt Ion: 99 Resp: 1921526

Ion Ratio Lower Upper

99 100

42 23.8 12.8 19.2#

71 39.2 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.27 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

Tgt Ion: 70 Resp: 205897

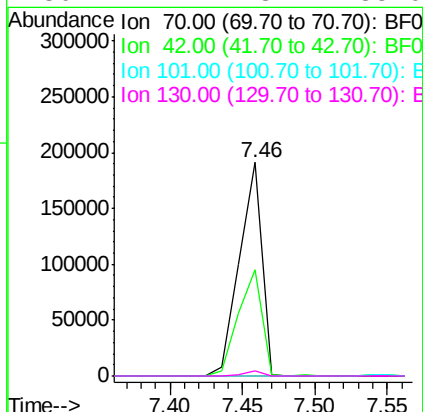
Ion Ratio Lower Upper

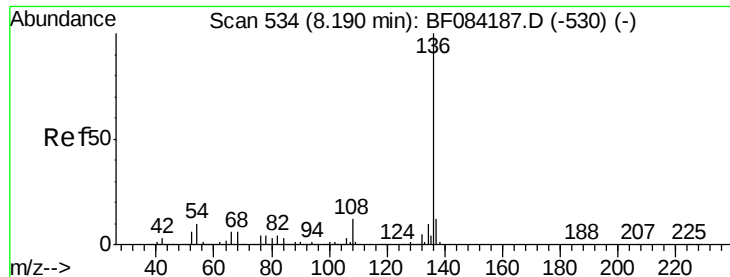
70 100

42 49.9 33.3 49.9

101 0.0 9.3 13.9#

130 2.4 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-21.0-21.5

Tgt Ion:136 Resp: 1091048

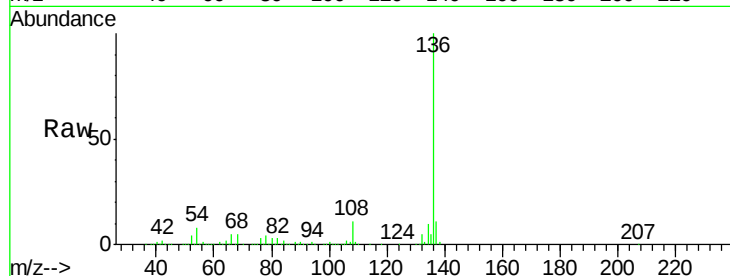
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 8.2 5.8 8.8

68 4.9 4.2 6.2

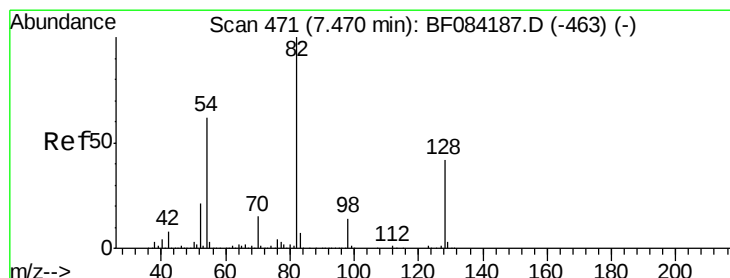
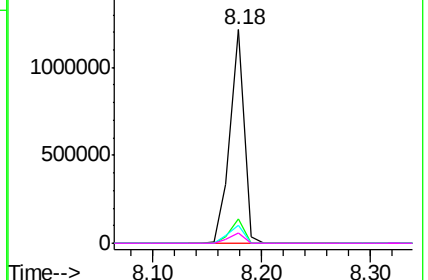
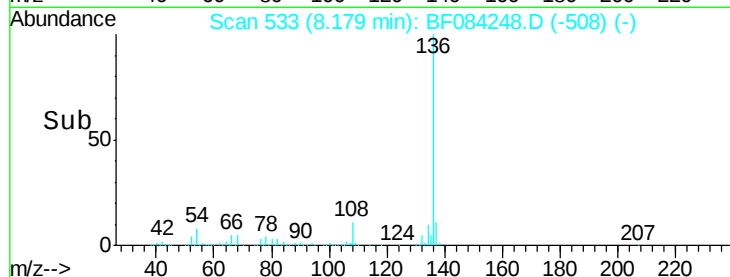


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.50 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

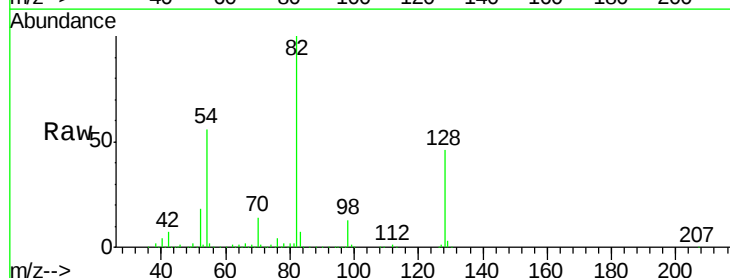
Tgt Ion: 82 Resp: 1480103

Ion Ratio Lower Upper

82 100

128 45.6 34.6 51.8

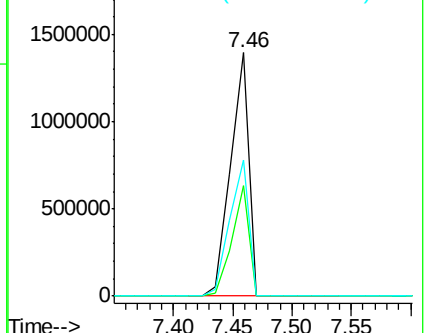
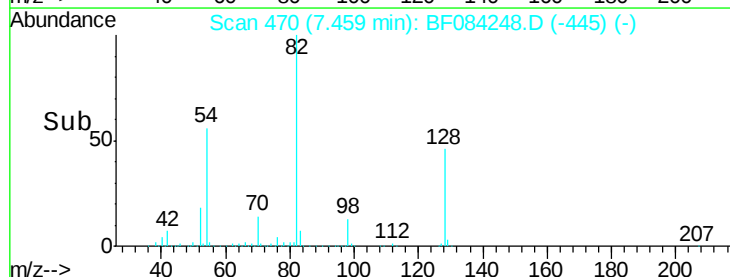
54 56.0 38.4 57.6

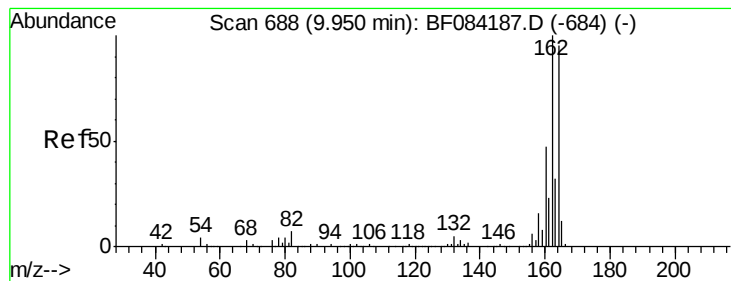


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-21.0-21.5

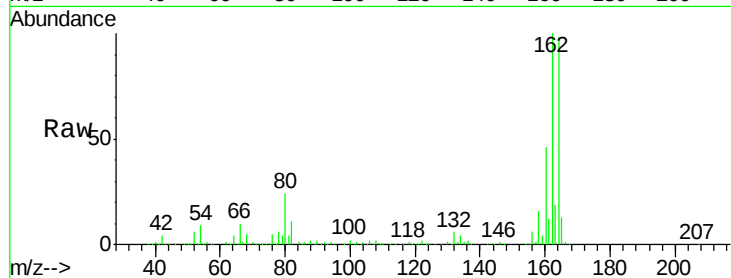
Tgt Ion:164 Resp: 461336

Ion Ratio Lower Upper

164 100

162 102.0 85.1 127.7

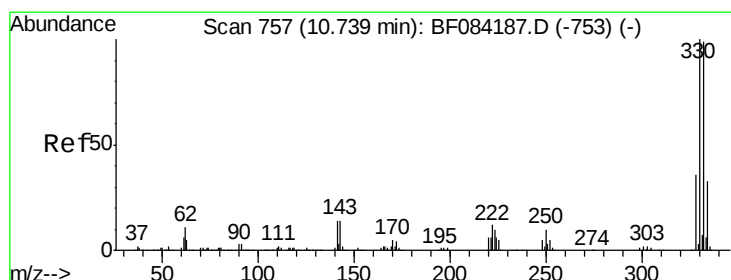
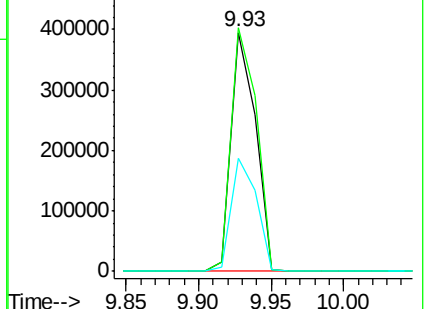
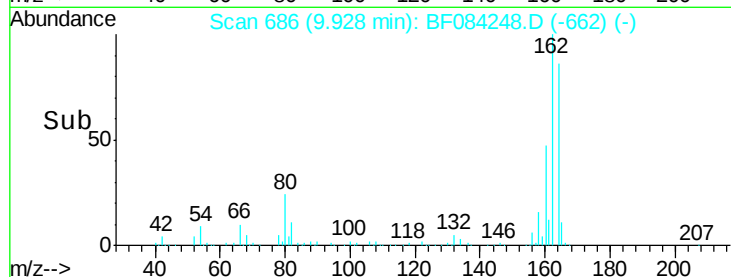
160 47.4 37.5 56.3



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: 111.49 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

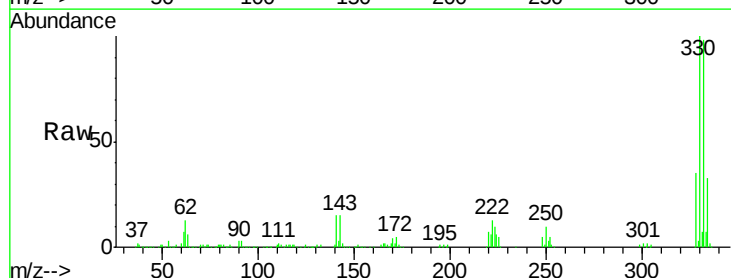
Tgt Ion:330 Resp: 519260

Ion Ratio Lower Upper

330 100

332 97.1 76.6 114.8

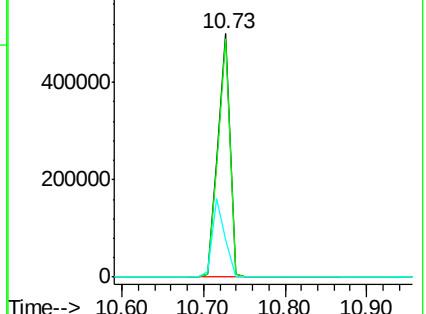
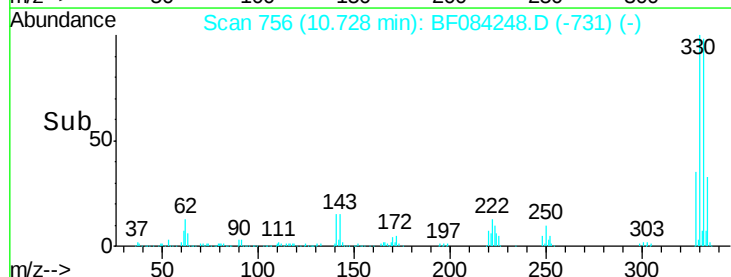
141 33.6 27.8 41.6

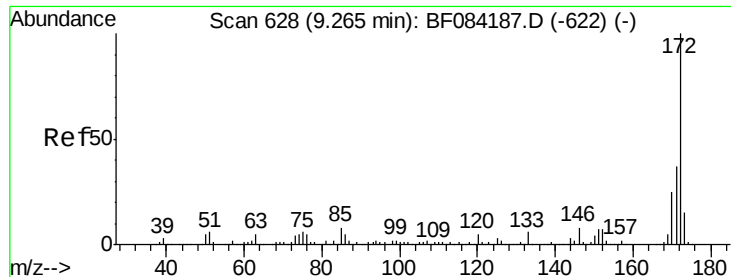


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

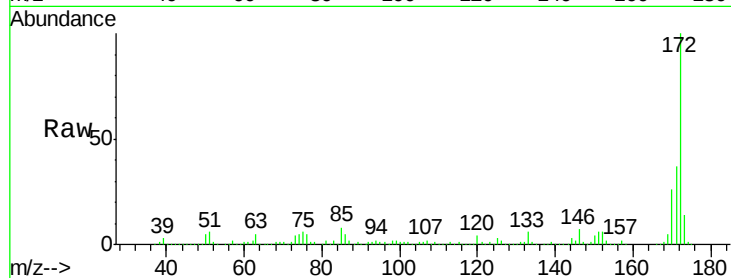




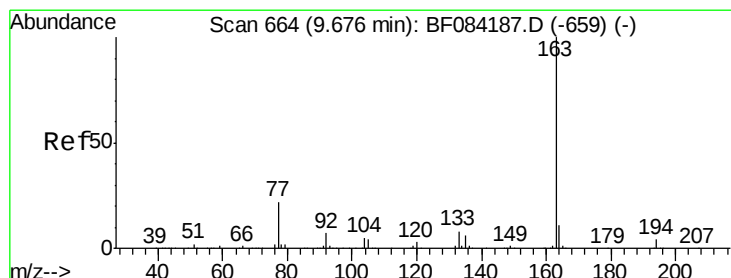
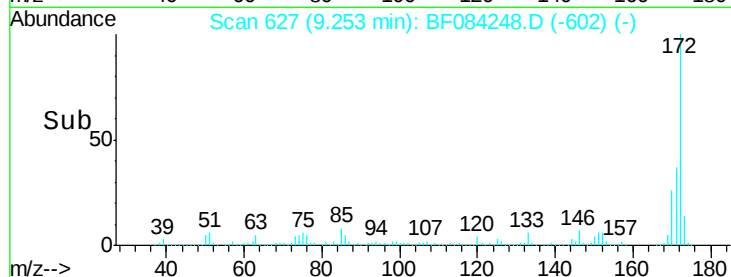
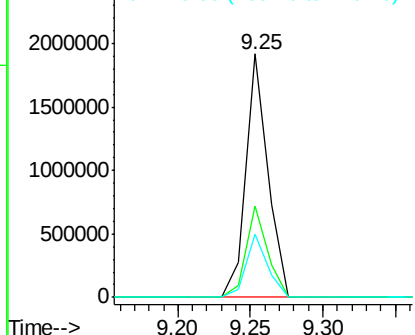
#44
 2-Fluorobiphenyl
 Concen: 76.11 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084248.D
 Acq: 4 Jan 2016 19:30

Instrument :
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 ClientSampleId :
 PJ-SB-10-21.0-21.5

Tgt Ion:172 Resp: 2013269
 Ion Ratio Lower Upper
 172 100
 171 37.4 28.9 43.3
 170 25.9 18.6 27.8

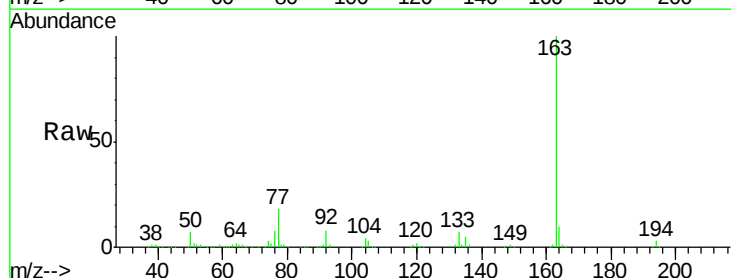


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

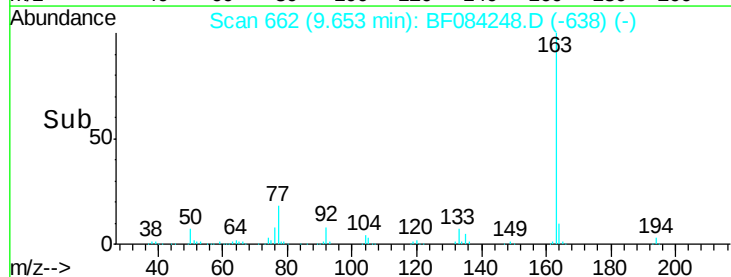
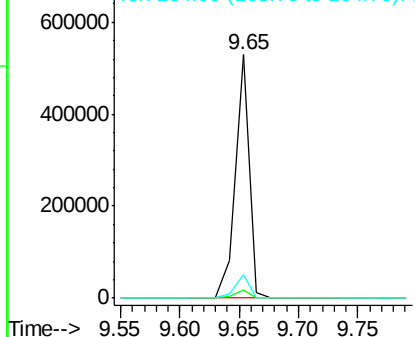


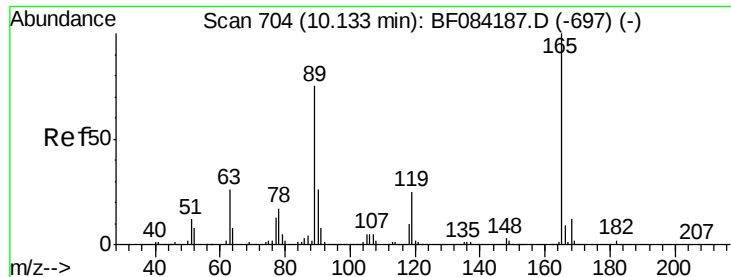
#49
 Dimethylphthalate
 Concen: 13.00 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF084248.D
 Acq: 4 Jan 2016 19:30

Tgt Ion:163 Resp: 428667
 Ion Ratio Lower Upper
 163 100
 194 3.2 8.0 12.0#
 164 9.7 8.0 12.0



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

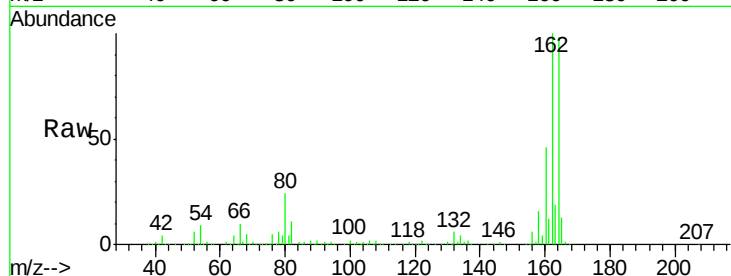




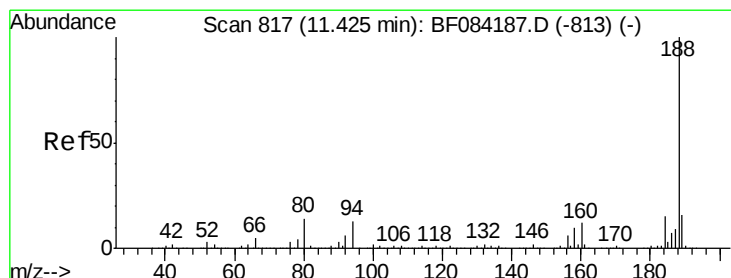
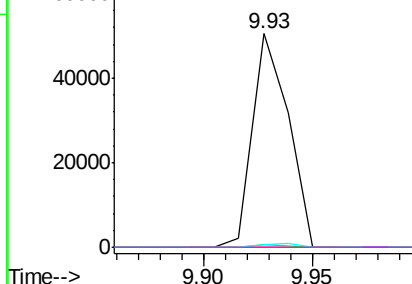
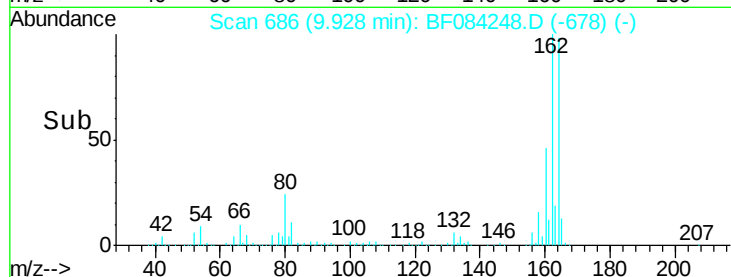
#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.21 min
 Lab File: BF084248.D
 Acq: 4 Jan 2016 19:30

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-10-21.0-21.5

Tgt Ion:165 Resp: 58018
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.7 55.1#
 89 1.5 61.9 92.9#
 182 0.0 2.0 3.0#

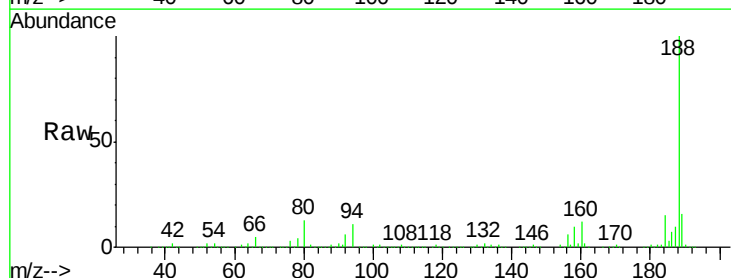


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

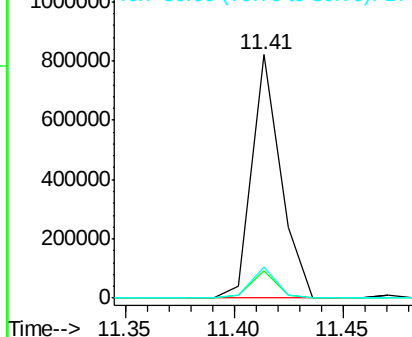
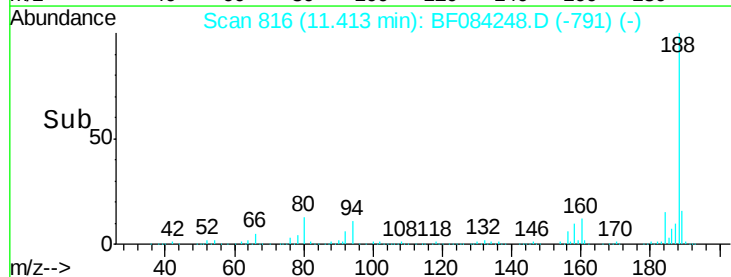


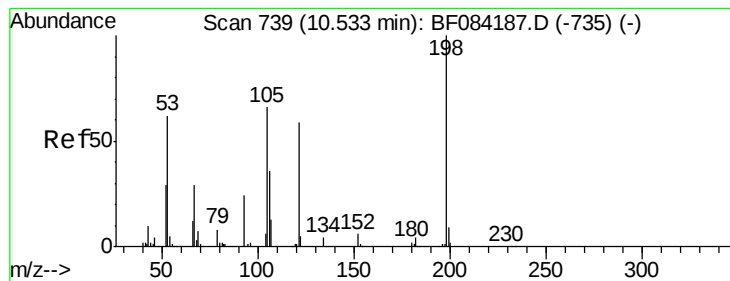
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF084248.D
 Acq: 4 Jan 2016 19:30

Tgt Ion:188 Resp: 756418
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.0 13.4
 80 12.6 9.6 14.4



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





#64

4,6-Dinitro-2-methylphenol

Concen: 6.58 ng

RT: 10.72 min Scan# 755

Delta R.T. 0.18 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-21.0-21.5

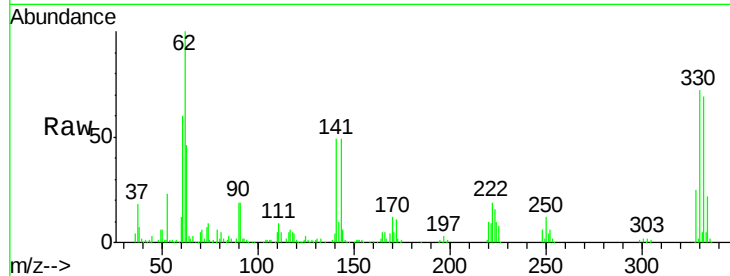
Tgt Ion:198 Resp: 1004

Ion Ratio Lower Upper

198 100

51 424.0 18.9 58.9#

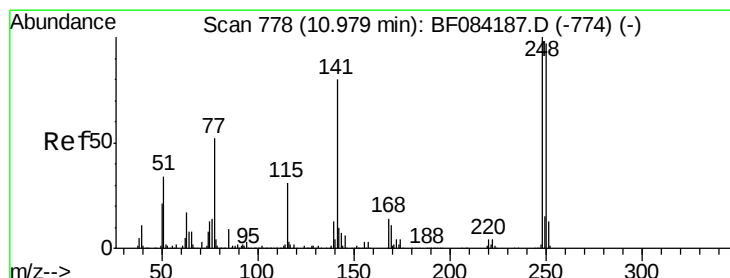
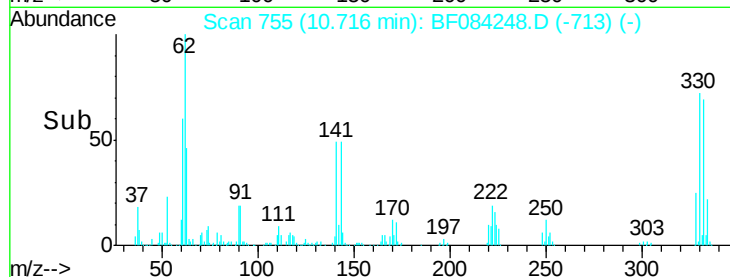
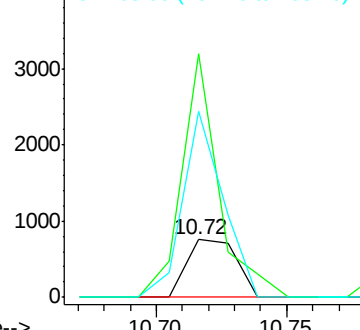
105 324.3 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.96 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

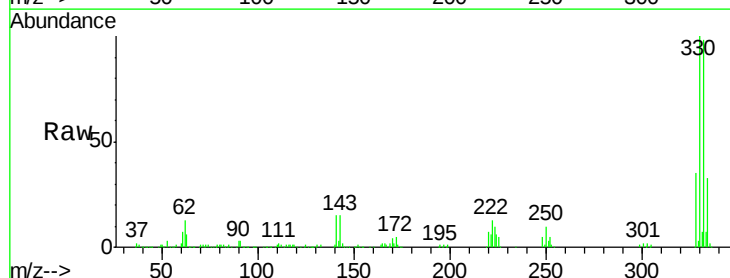
Tgt Ion:248 Resp: 32274

Ion Ratio Lower Upper

248 100

250 203.2 78.4 117.6#

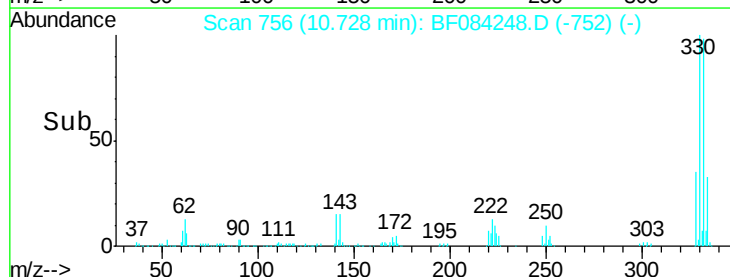
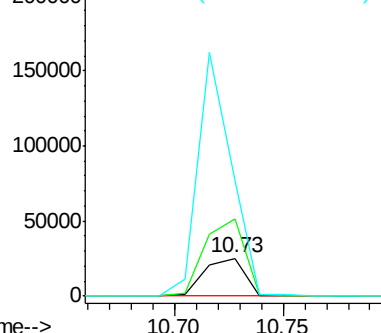
141 303.5 44.0 66.0#

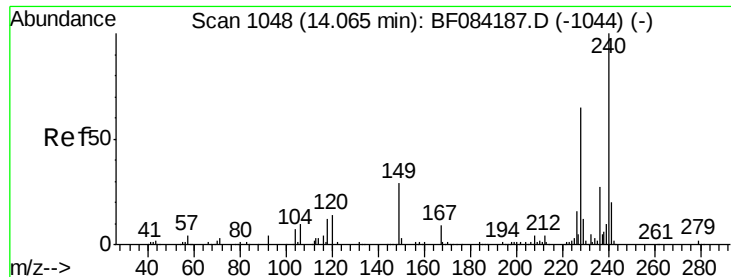


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

Instrument :

BNA_F

ClientSampleId :

PJ-SB-10-21.0-21.5

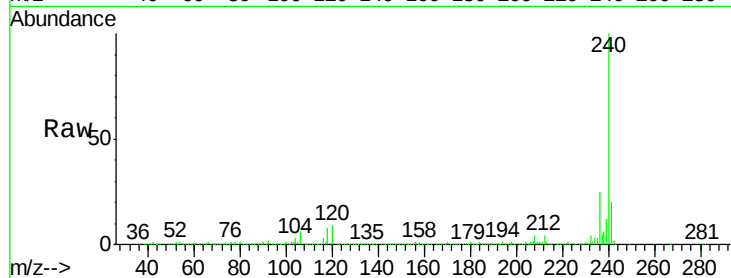
Tgt Ion:240 Resp: 525903

Ion Ratio Lower Upper

240 100

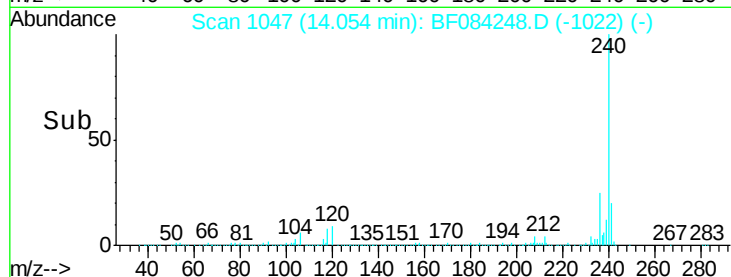
120 8.6 9.5 14.3#

236 24.6 20.6 31.0

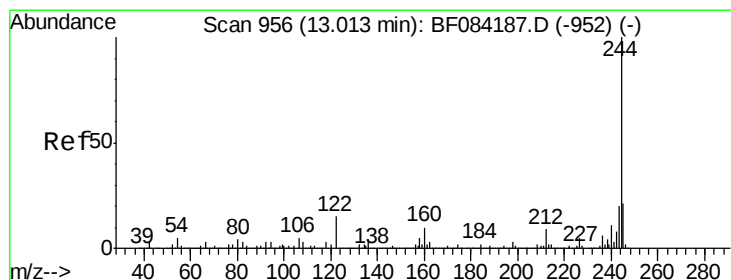


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

14.05



Time-->



#78

Terphenyl-d14

Concen: 63.16 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084248.D

Acq: 4 Jan 2016 19:30

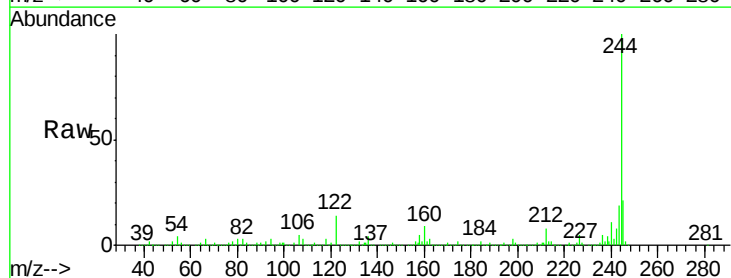
Tgt Ion:244 Resp: 1488033

Ion Ratio Lower Upper

244 100

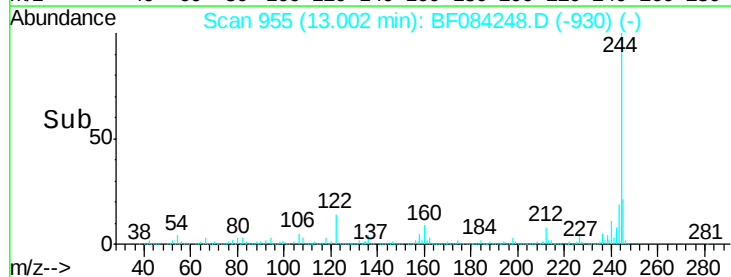
212 7.9 5.7 8.5

122 13.6 7.4 11.0#

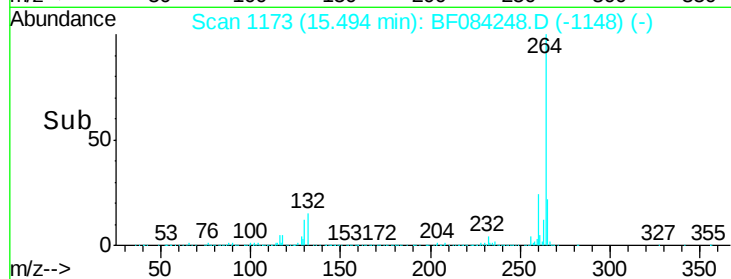
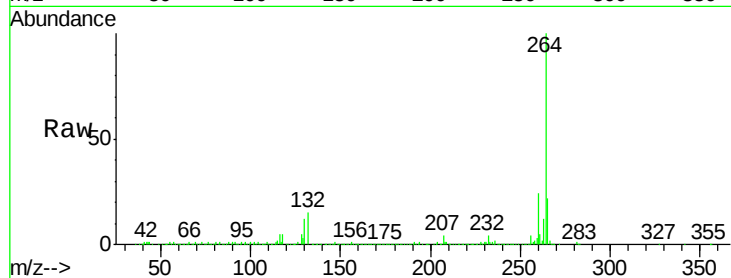
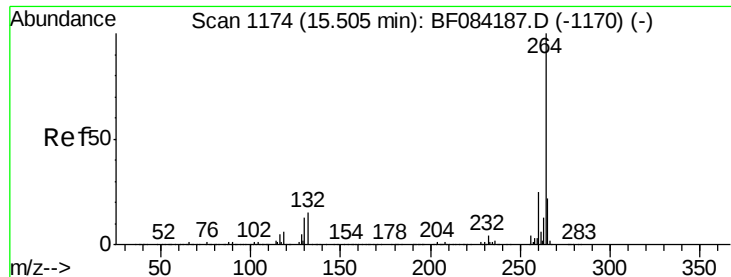


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

13.00



Time-->



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF084248.D
Acq: 4 Jan 2016 19:30

Instrument :
BNA_F
ClientSampleId :
PJ-SB-10-21.0-21.5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.9	17.8	26.6

