

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084244.D
 Acq On : 4 Jan 2016 17:40
 Operator : UM/SJ
 Sample : PB87615BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87615BL

Quant Time: Jan 05 01:29:39 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	278776	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1199080	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	527484	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	911002	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	619892	20.00	ng	-0.01
86) Perylene-d12	15.49	264	580560	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1838133	106.65	ng	0.02
7) Phenol-d6	6.54	99	2417706	111.69	ng	0.01
23) Nitrobenzene-d5	7.46	82	1602170	74.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	601848	113.01	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2476149	82.38	ng	-0.01
78) Terphenyl-d14	13.00	244	1957327	70.48	ng	-0.01

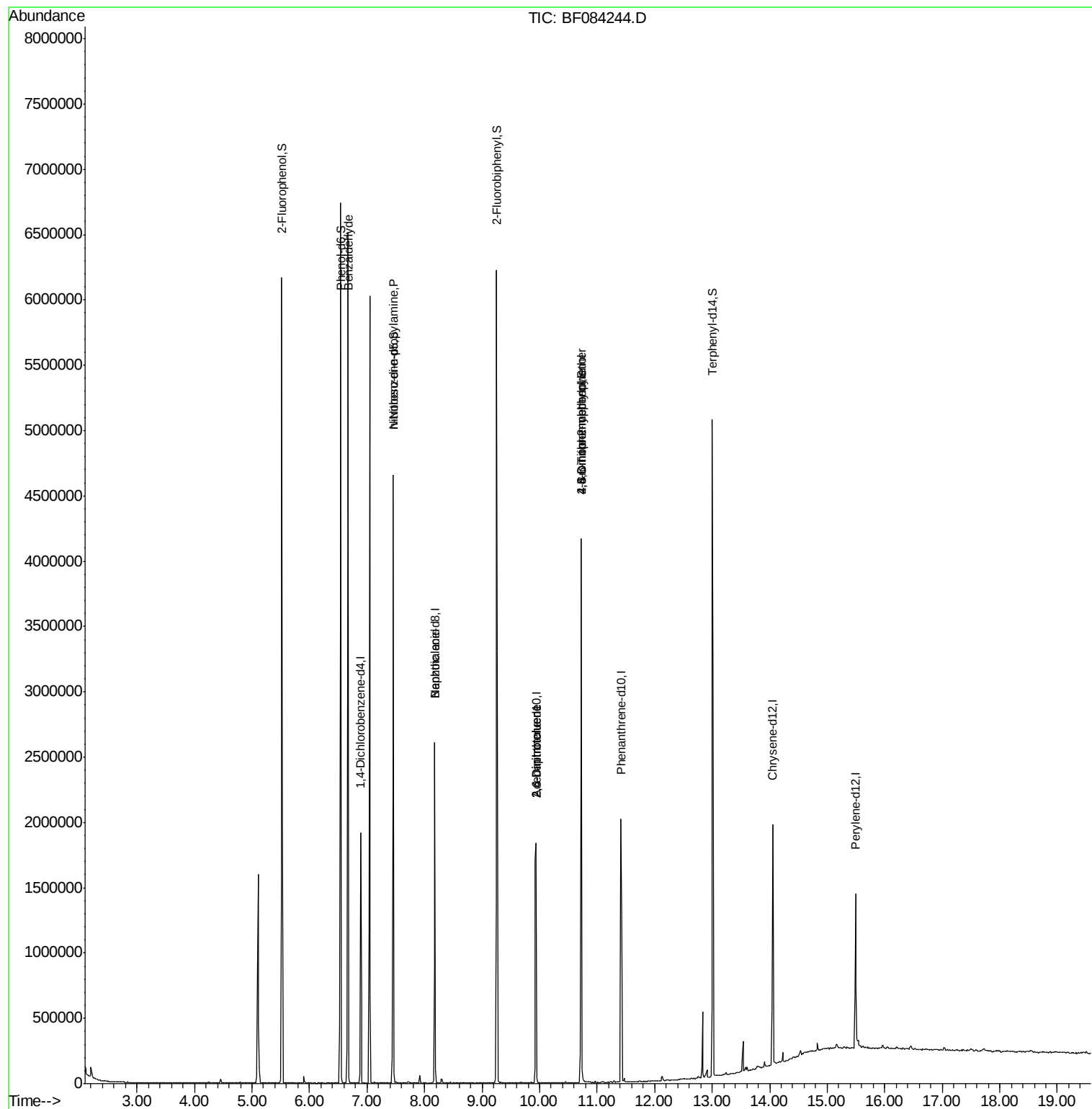
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	51103	3.63	ng	85
19) n-Nitroso-di-n-propylamine	7.46	70	229509	15.66	ng	# 70
32) Benzoic acid	8.18	122	312	6.27	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	70454	8.52	ng	# 38
56) 2,4-Dinitrotoluene	9.94	165	70459	6.73	ng	# 22
57) Fluorene	10.73	166	25196	Below Cal		# 92
64) 4,6-Dinitro-2-methylphenol	10.73	198	1574	6.63	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	41327	4.21	ng	# 1
73) Di-n-butylphthalate	11.98	149	2868	Below Cal		# 79

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

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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: BF084244.D

Acq: 4 Jan 2016 17:40

Instrument :

BNA_F

ClientSampleId :

PB87615BL

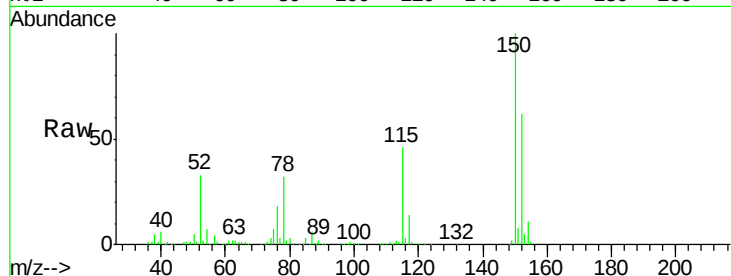
Tgt Ion:152 Resp: 278776

Ion Ratio Lower Upper

152 100

150 160.2 123.0 184.4

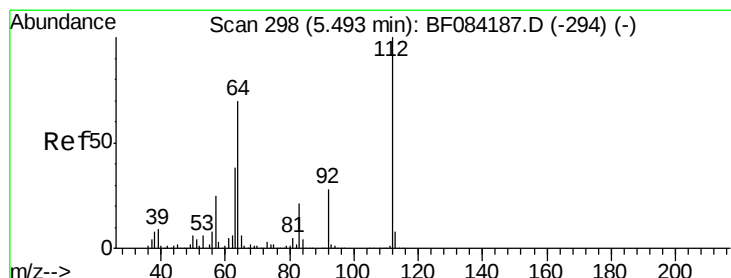
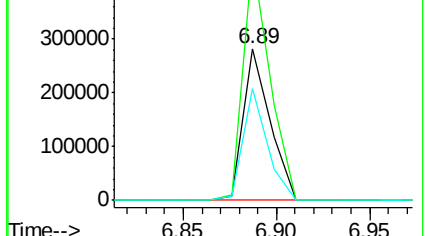
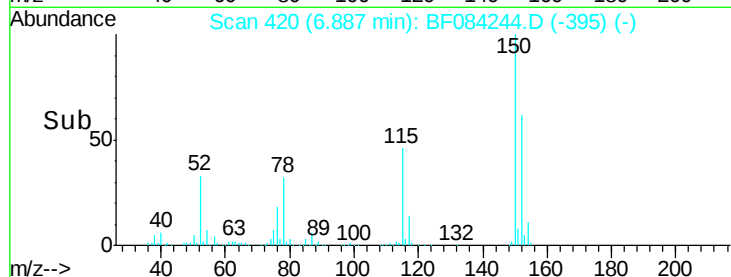
115 73.8 51.4 77.2



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: 106.65 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.02 min

Lab File: BF084244.D

Acq: 4 Jan 2016 17:40

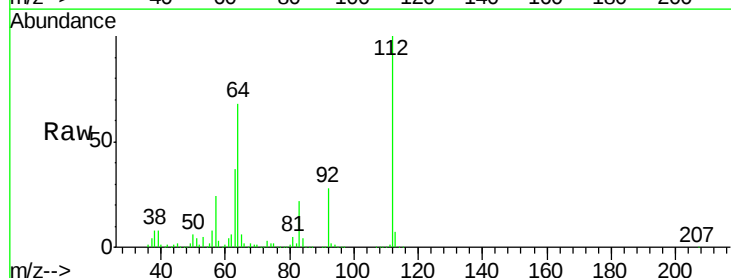
Tgt Ion:112 Resp: 1838133

Ion Ratio Lower Upper

112 100

64 67.8 36.6 55.0#

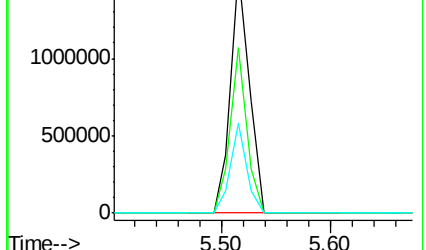
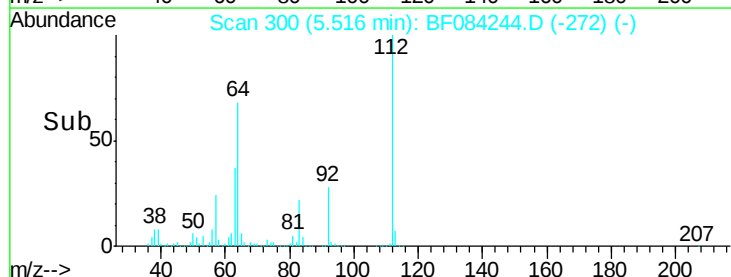
63 36.7 19.4 29.0#



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: 111.69 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF084244.D

Acq: 4 Jan 2016 17:40

Instrument :

BNA_F

ClientSampleId :

PB87615BL

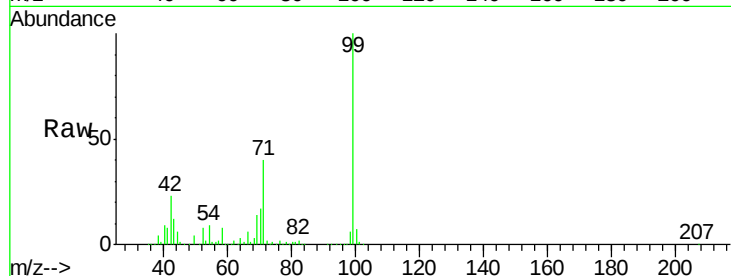
Tgt Ion: 99 Resp: 2417706

Ion Ratio Lower Upper

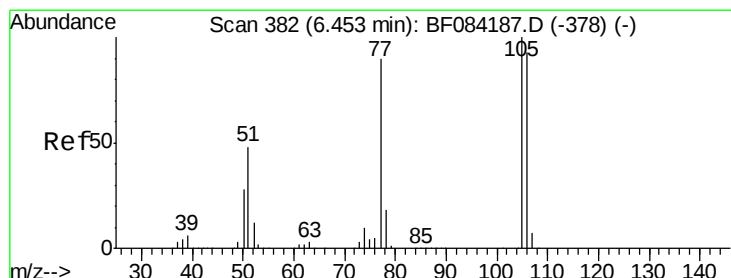
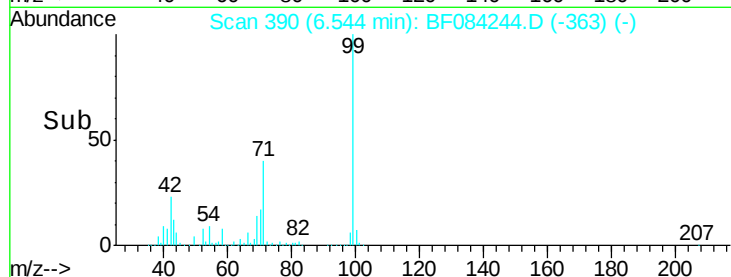
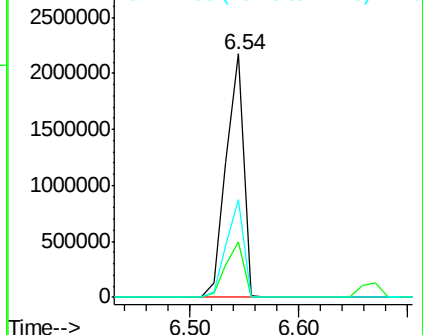
99 100

42 22.8 12.8 19.2#

71 40.1 30.9 46.3



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



#9

Benzaldehyde

Concen: 3.63 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.22 min

Lab File: BF084244.D

Acq: 4 Jan 2016 17:40

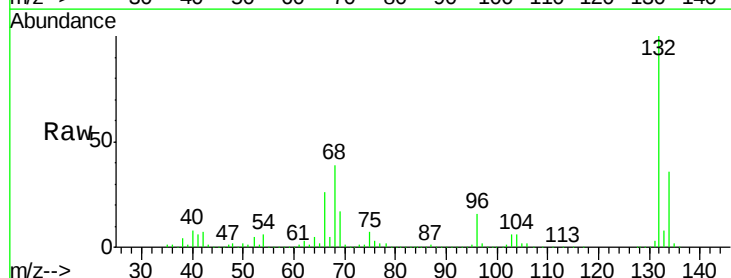
Tgt Ion: 77 Resp: 51103

Ion Ratio Lower Upper

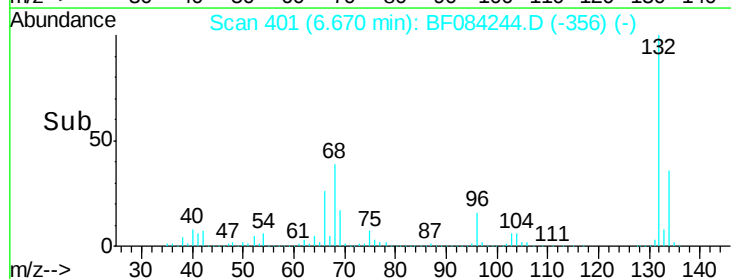
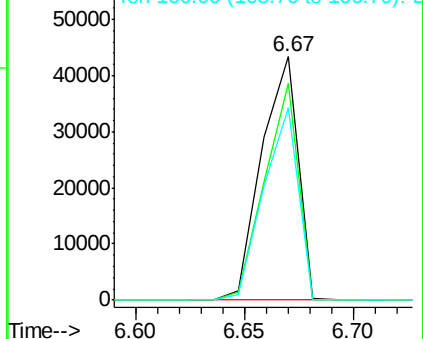
77 100

105 89.1 83.0 123.0

106 78.9 74.6 114.6



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

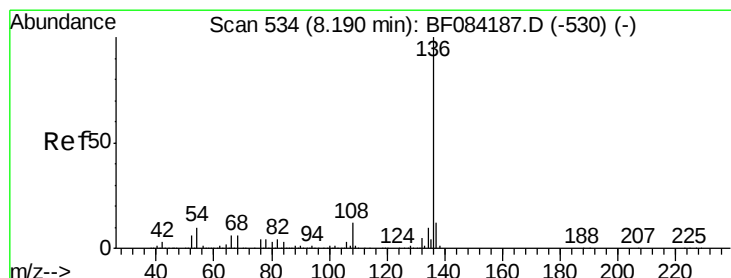
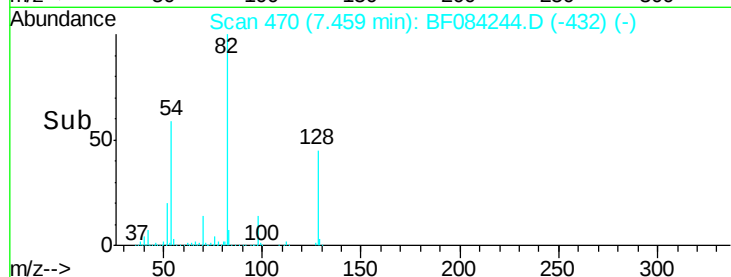
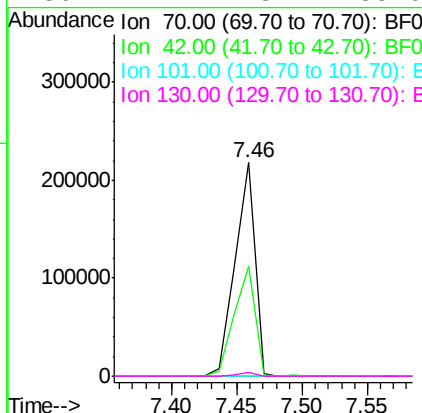
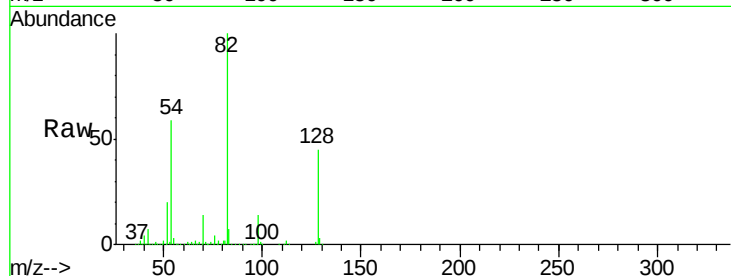




#19
n-Nitroso-di-n-propylamine
Concen: 15.66 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF084244.D
Acq: 4 Jan 2016 17:40

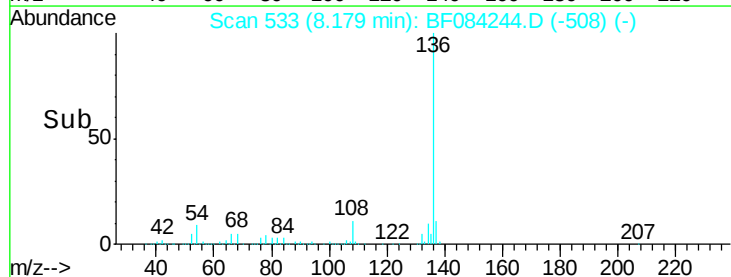
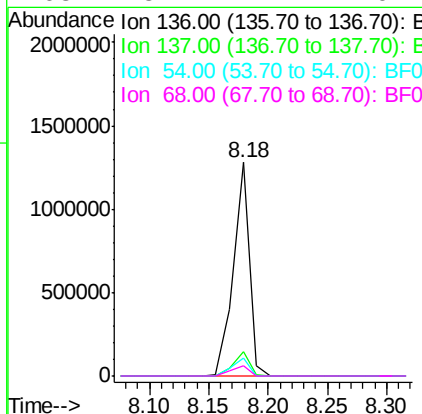
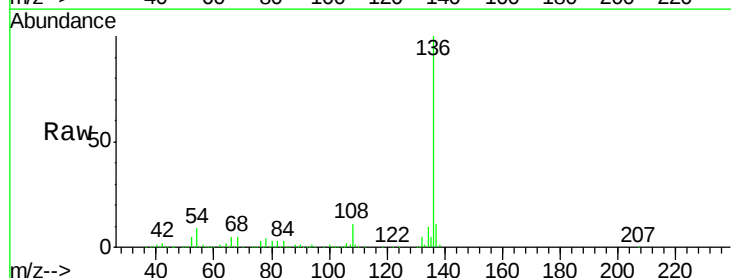
Instrument :
BNA_F
ClientSampleId :
PB87615BL

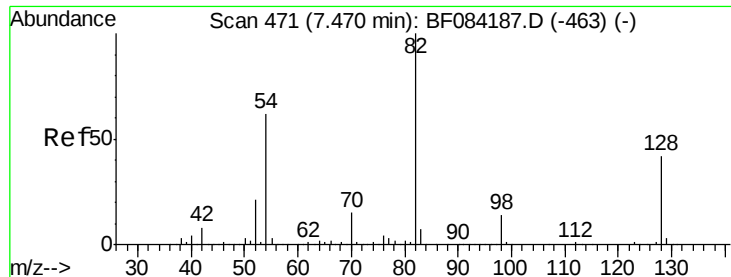
Tgt Ion: 70 Resp: 229509
Ion Ratio Lower Upper
70 100
42 51.4 33.3 49.9#
101 0.0 9.3 13.9#
130 2.1 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084244.D
Acq: 4 Jan 2016 17:40

Tgt Ion: 136 Resp: 1199080
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 8.6 5.8 8.8
68 5.1 4.2 6.2

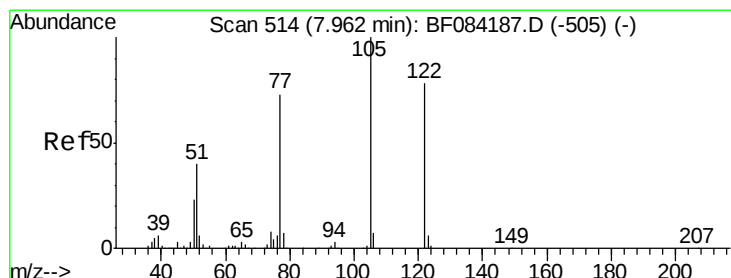
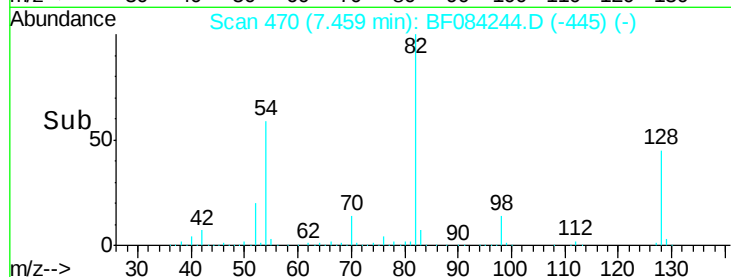
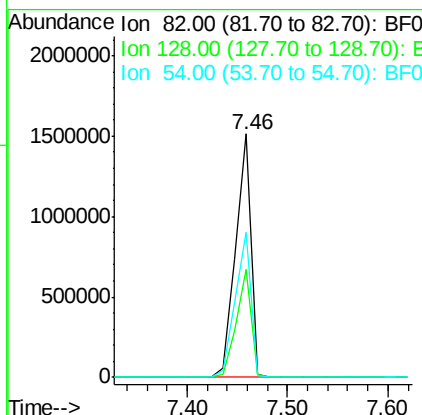
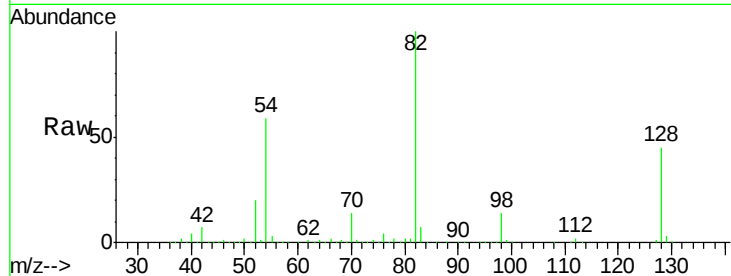




#23
 Nitrobenzene-d5
 Concen: 74.36 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084244.D
 Acq: 4 Jan 2016 17:40

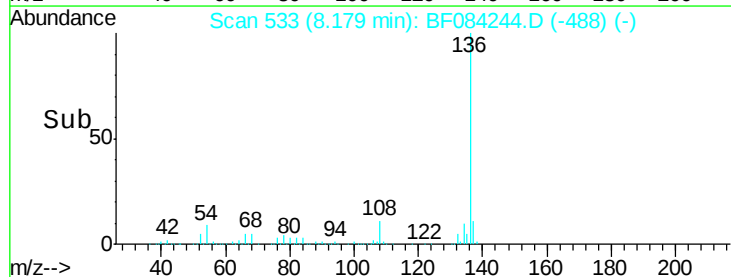
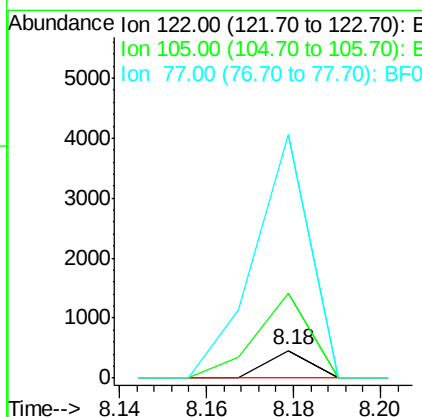
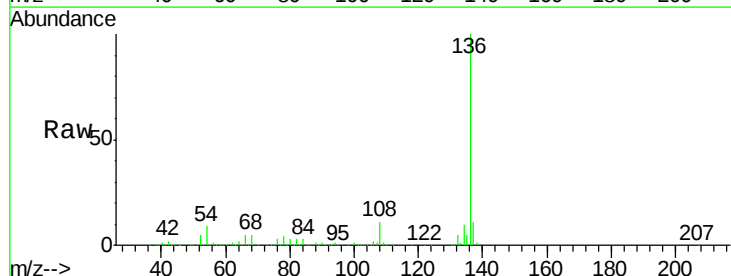
Instrument :
 BNA_F
 ClientSampleId :
 PB87615BL

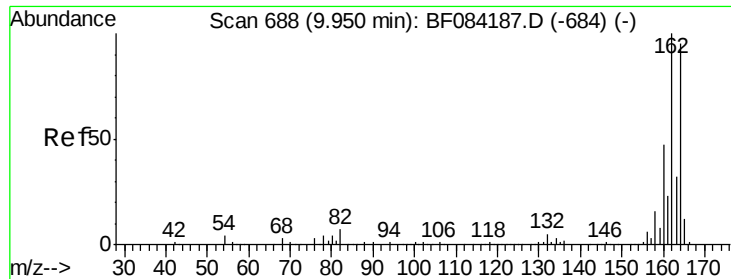
Tgt Ion: 82 Resp: 1602170
 Ion Ratio Lower Upper
 82 100
 128 44.5 34.6 51.8
 54 59.3 38.4 57.6#



#32
 Benzoic acid
 Concen: 6.27 ng
 RT: 8.18 min Scan# 533
 Delta R.T. 0.22 min
 Lab File: BF084244.D
 Acq: 4 Jan 2016 17:40

Tgt Ion: 122 Resp: 312
 Ion Ratio Lower Upper
 122 100
 105 309.7 100.3 140.3#
 77 892.1 63.5 103.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF084244.D

Acq: 4 Jan 2016 17:40

Instrument :

BNA_F

ClientSampleId :

PB87615BL

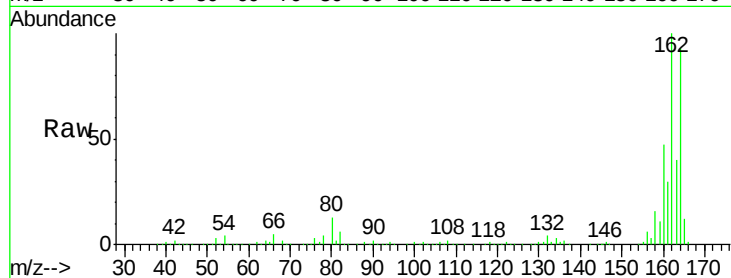
Tgt Ion:164 Resp: 527484

Ion Ratio Lower Upper

164 100

162 107.7 85.1 127.7

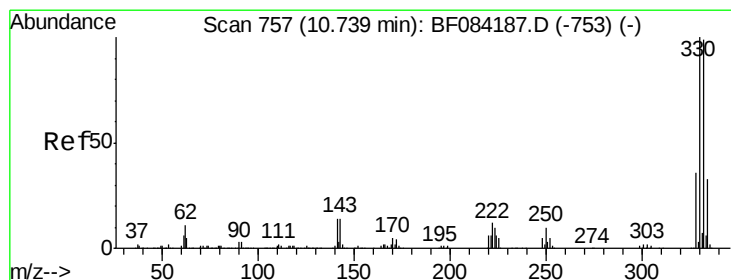
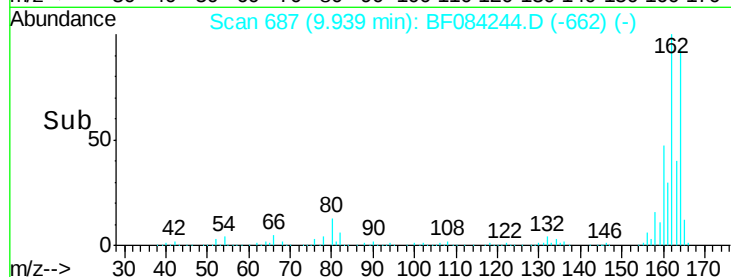
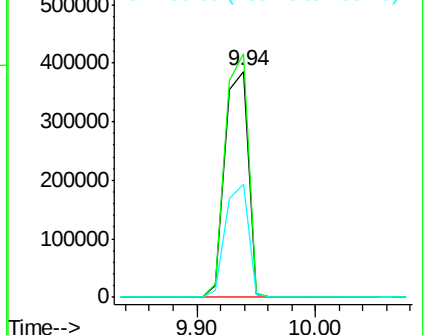
160 50.2 37.5 56.3



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: 113.01 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084244.D

Acq: 4 Jan 2016 17:40

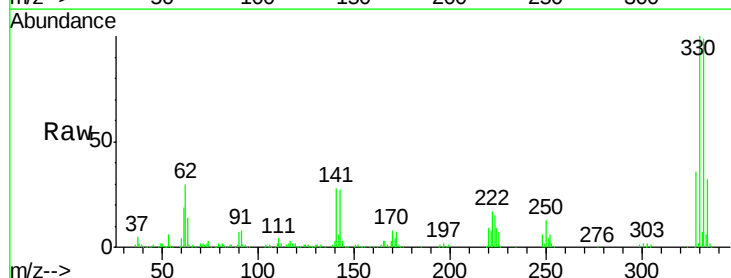
Tgt Ion:330 Resp: 601848

Ion Ratio Lower Upper

330 100

332 98.3 76.6 114.8

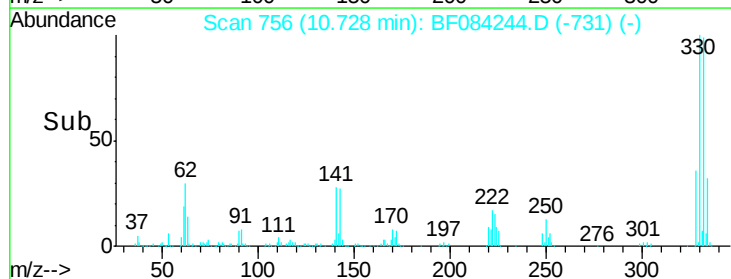
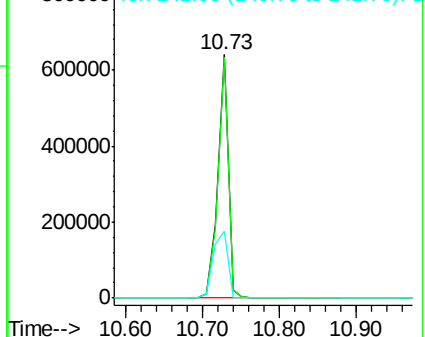
141 38.4 27.8 41.6

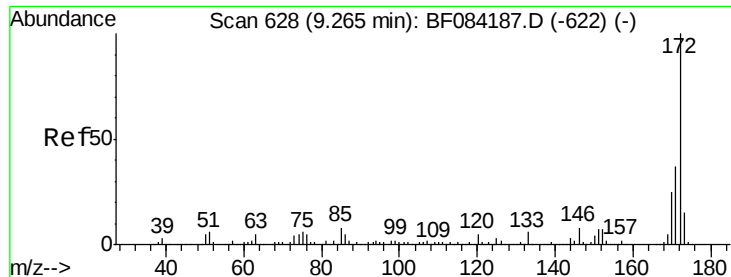


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

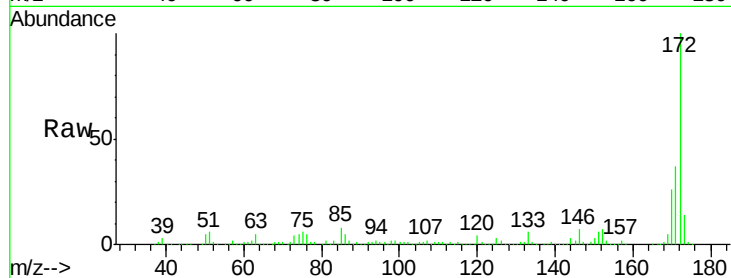




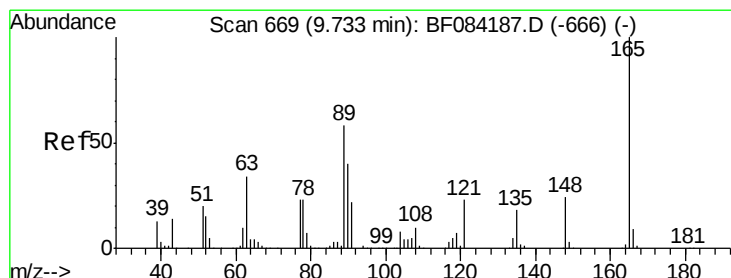
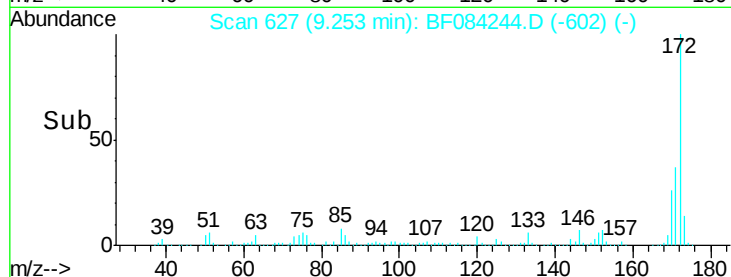
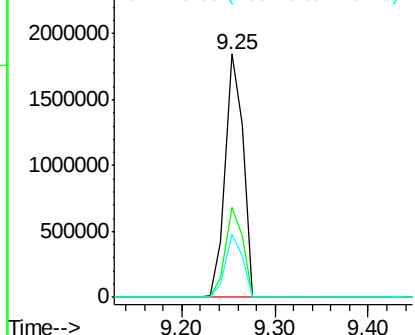
#44
 2-Fluorobiphenyl
 Concen: 82.38 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084244.D
 Acq: 4 Jan 2016 17:40

Instrument :
 BNA_F
 ClientSampleId :
 PB87615BL

Tgt Ion:172 Resp: 2476149
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.9 43.3
 170 25.8 18.6 27.8

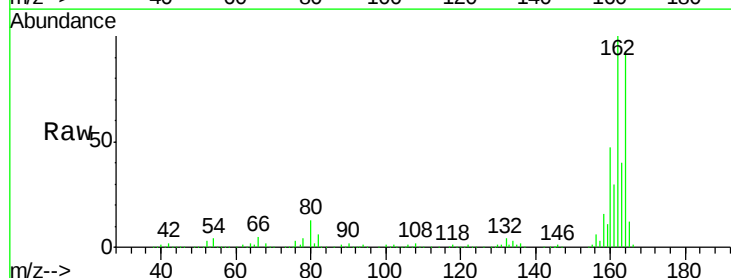


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

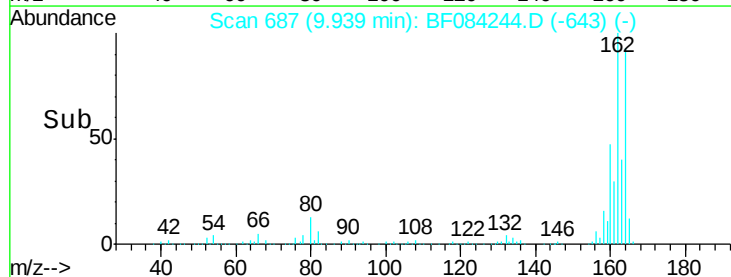
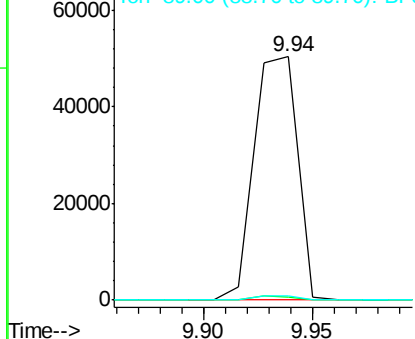


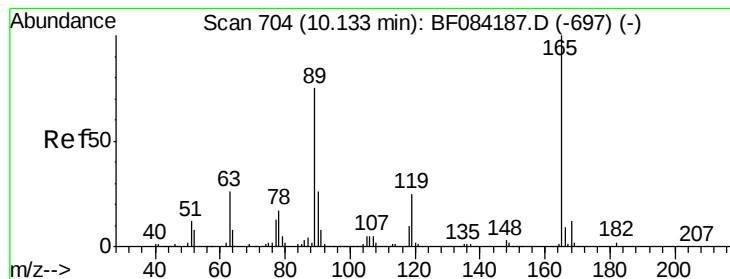
#50
 2,6-Dinitrotoluene
 Concen: 8.52 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.21 min
 Lab File: BF084244.D
 Acq: 4 Jan 2016 17:40

Tgt Ion:165 Resp: 70454
 Ion Ratio Lower Upper
 165 100
 63 1.4 28.8 43.2#
 89 1.9 35.1 52.7#



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: 6.73 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.19 min

Lab File: BF084244.D

Acq: 4 Jan 2016 17:40

Instrument :

BNA_F

ClientSampleId :

PB87615BL

Tgt Ion:165 Resp: 70459

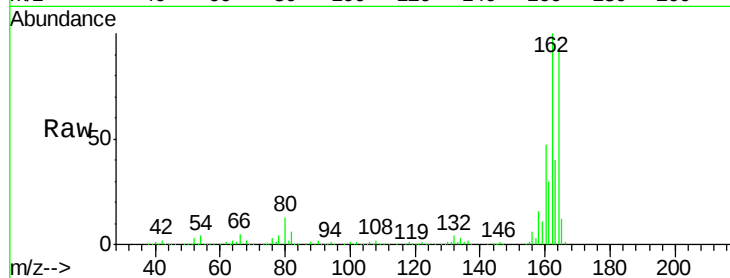
Ion Ratio Lower Upper

165 100

63 1.4 36.7 55.1#

89 1.9 61.9 92.9#

182 0.0 2.0 3.0#

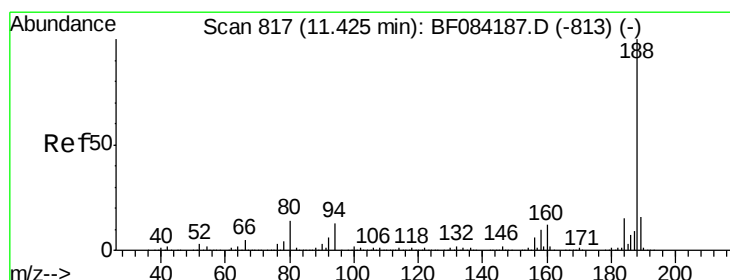
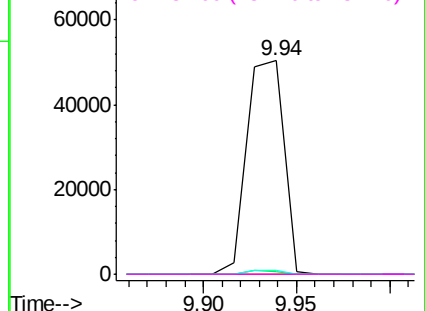
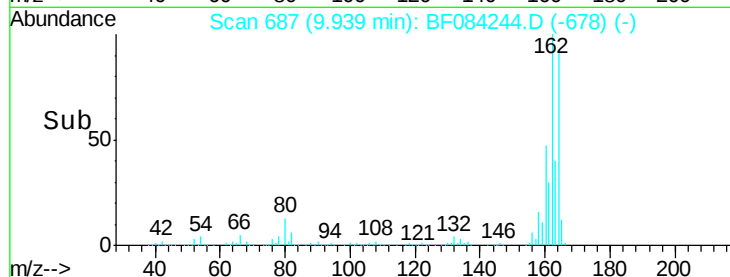


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF084244.D

Acq: 4 Jan 2016 17:40

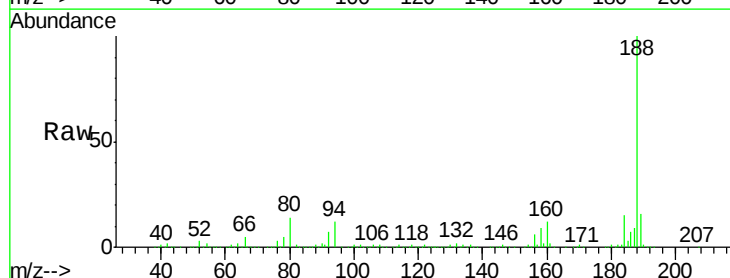
Tgt Ion:188 Resp: 911002

Ion Ratio Lower Upper

188 100

94 12.4 9.0 13.4

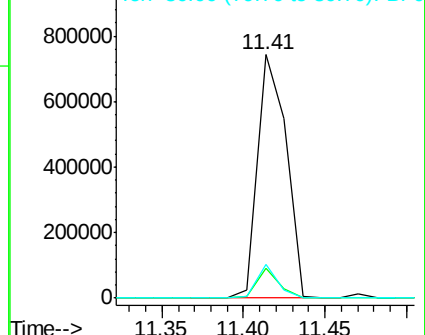
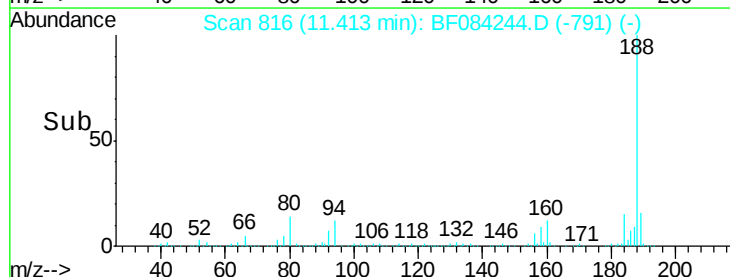
80 13.9 9.6 14.4

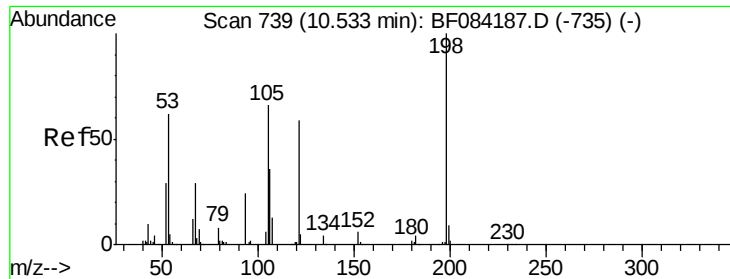


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.63 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF084244.D

Acq: 4 Jan 2016 17:40

Instrument :

BNA_F

ClientSampleId :

PB87615BL

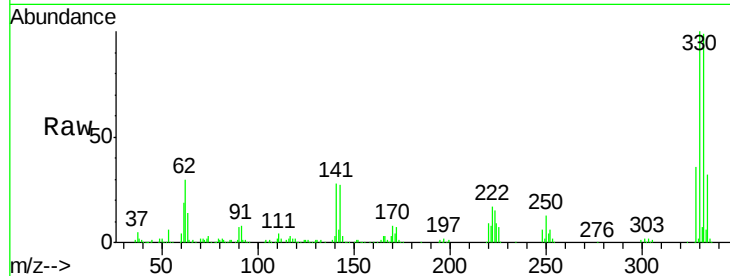
Tgt Ion:198 Resp: 1574

Ion Ratio Lower Upper

198 100

51 135.8 18.9 58.9#

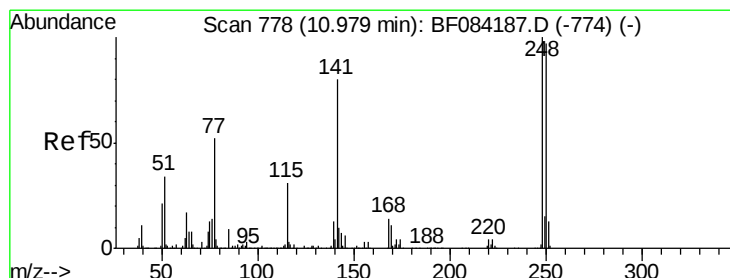
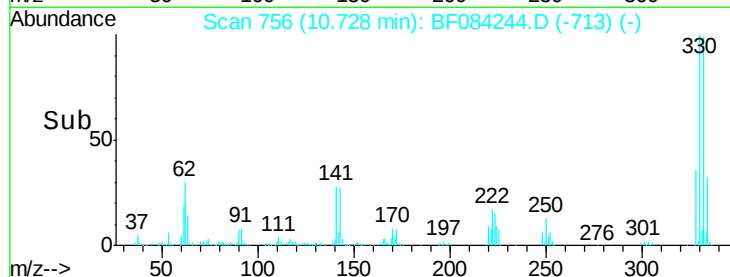
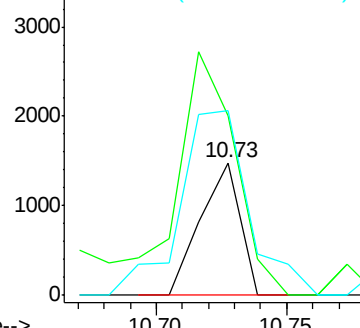
105 139.3 26.4 66.4#



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: 4.21 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084244.D

Acq: 4 Jan 2016 17:40

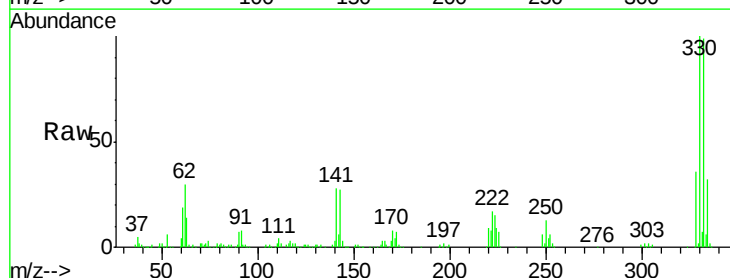
Tgt Ion:248 Resp: 41327

Ion Ratio Lower Upper

248 100

250 198.6 78.4 117.6#

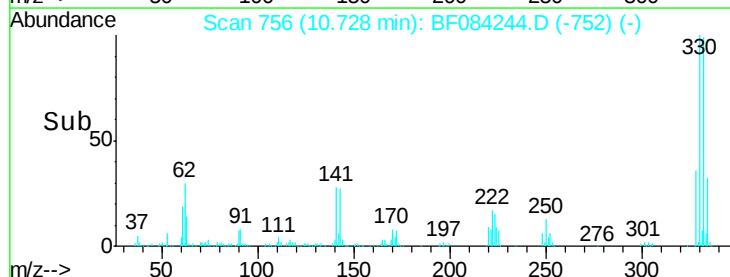
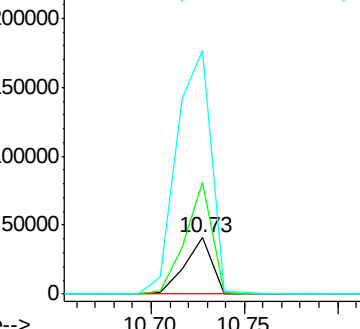
141 432.4 44.0 66.0#

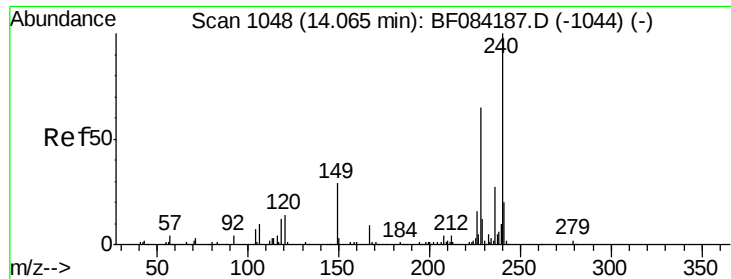


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF084244.D

Acq: 4 Jan 2016 17:40

Instrument :

BNA_F

ClientSampleId :

PB87615BL

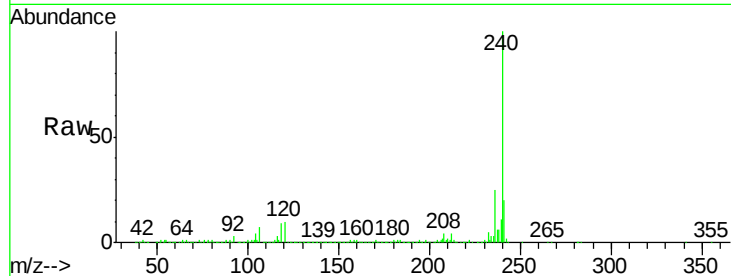
Tgt Ion:240 Resp: 619892

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

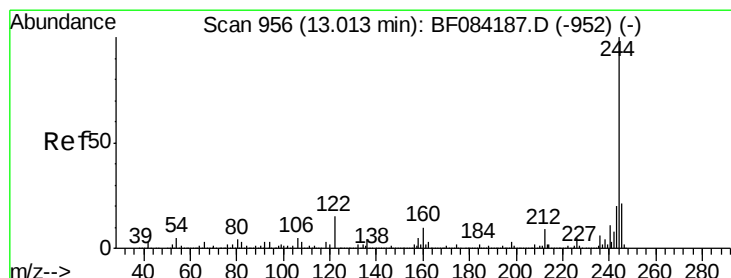
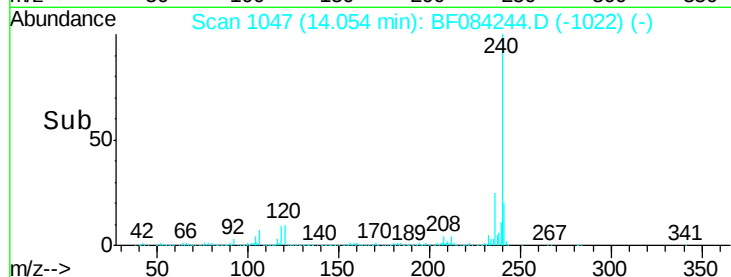
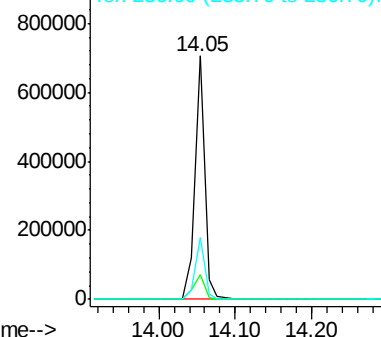
236 25.3 20.6 31.0



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



#78

Terphenyl-d14

Concen: 70.48 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084244.D

Acq: 4 Jan 2016 17:40

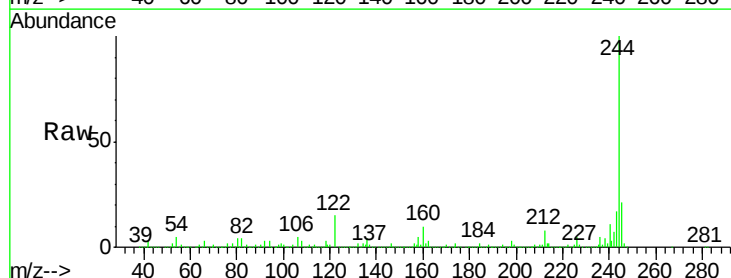
Tgt Ion:244 Resp: 1957327

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

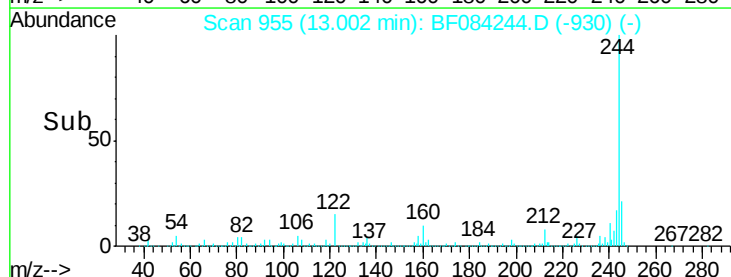
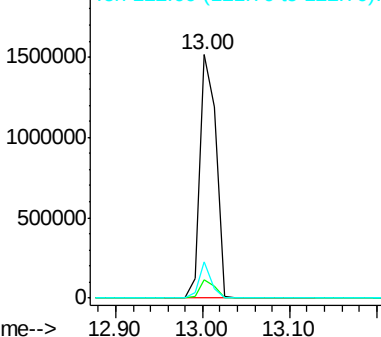
122 15.0 7.4 11.0#

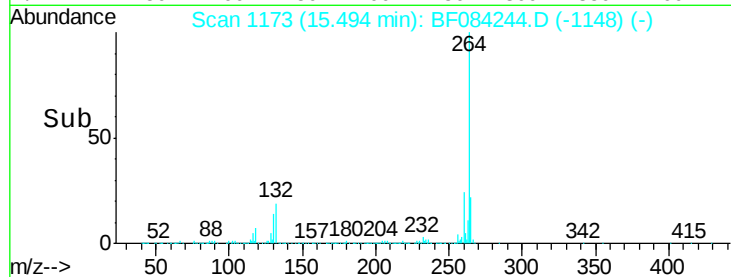
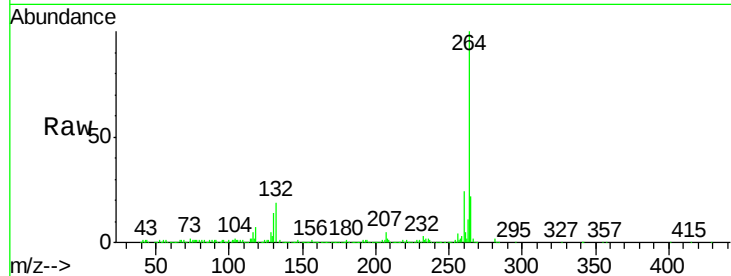
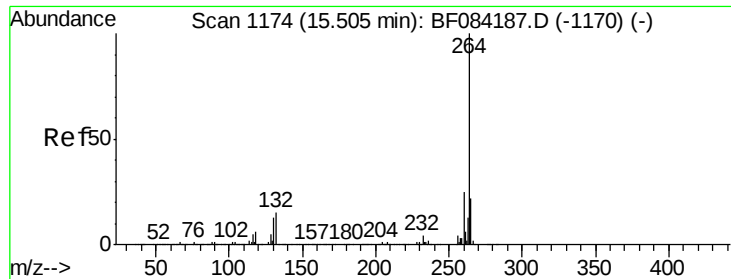


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084244.D

Acq: 4 Jan 2016 17:40

Instrument :

BNA_F

ClientSampleId :

PB87615BL

Tgt Ion: 264 Resp: 580560

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 22.2 17.8 26.6

