

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011816\
 Data File : BF084541.D
 Acq On : 18 Jan 2016 17:52
 Operator : SJ/UM
 Sample : H1140-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYS-DIS-011416DL

Quant Time: Jan 18 23:52:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

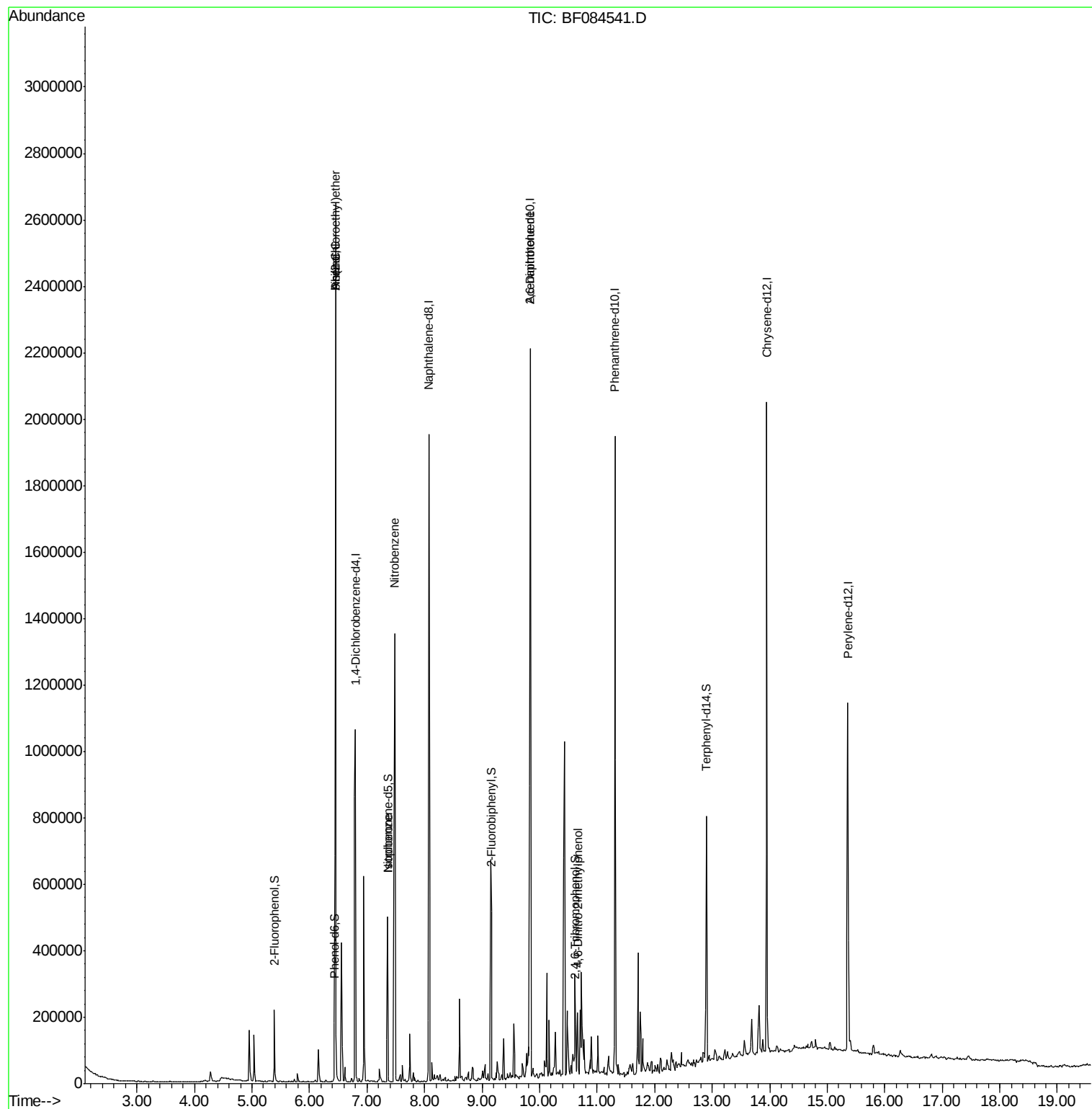
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	219380	20.00	ng	-0.03
21) Naphthalene-d8	8.08	136	902256	20.00	ng	-0.05
38) Acenaphthene-d10	9.84	164	463224	20.00	ng	-0.03
63) Phenanthrene-d10	11.31	188	799035	20.00	ng	-0.05
75) Chrysene-d12	13.95	240	683685	20.00	ng	-0.05
86) Perylene-d12	15.36	264	454115	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	57711	4.25	ng	-0.05
7) Phenol-d6	6.43	99	54881	3.22	ng	-0.05
23) Nitrobenzene-d5	7.36	82	151362	9.34	ng	-0.05
41) 2,4,6-Tribromophenol	10.62	330	36634	7.83	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	278062	4.57	ng	-0.03
78) Terphenyl-d14	12.90	244	225765	7.37	ng	-0.05
Target Compounds						
6) Aniline	6.45	93	877626	35.22	ng	# 79
10) Phenol	6.45	94	67162	3.47	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	877626	58.50	ng	# 30
24) Nitrobenzene	7.48	77	354975	21.59	ng	# 40
25) Isophorone	7.36	82	121639	3.92	ng	# 66
50) 2,6-Dinitrotoluene	9.84	165	60957	8.39	ng	# 38
54) Dibenzofuran	10.04	168	271	Below Cal		# 45
57) Fluorene	10.61	166	1681	Below Cal		# 84
64) 4,6-Dinitro-2-methylphenol	10.66	198	370	6.48	ng	# 9
73) Di-n-butylphthalate	11.88	149	2433	Below Cal		# 62

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

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Quant Time: Jan 18 23:52:45 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416DL

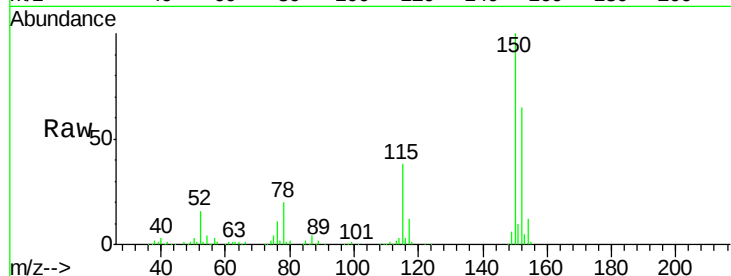
Tgt Ion:152 Resp: 219380

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

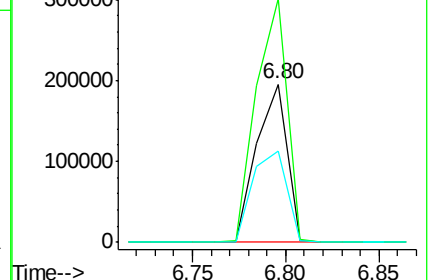
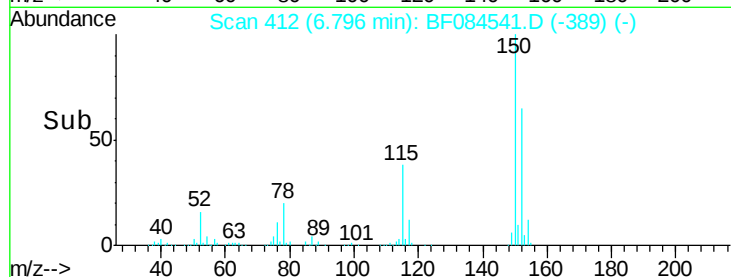
115 58.0 51.4 77.2



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: 4.25 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.05 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

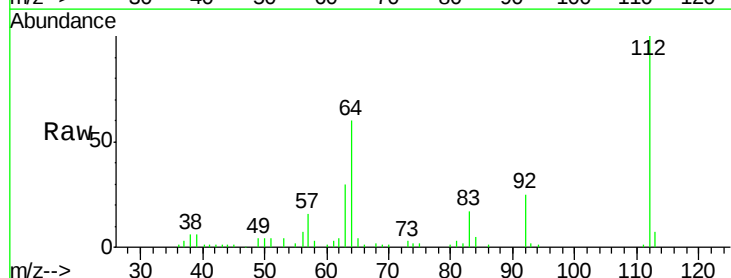
Tgt Ion:112 Resp: 57711

Ion Ratio Lower Upper

112 100

64 59.8 36.6 55.0#

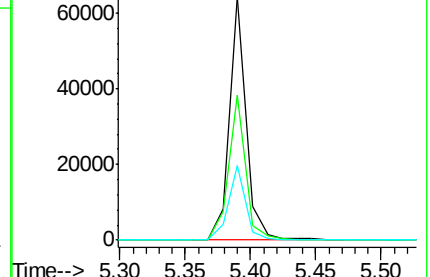
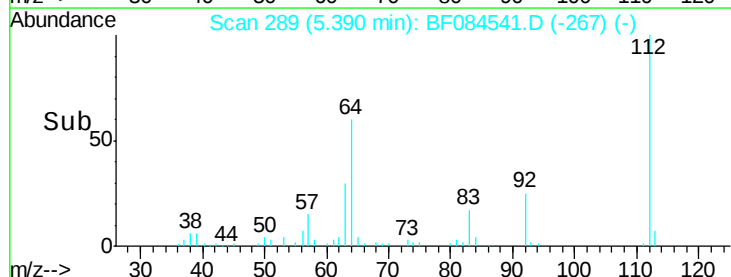
63 30.5 19.4 29.0#

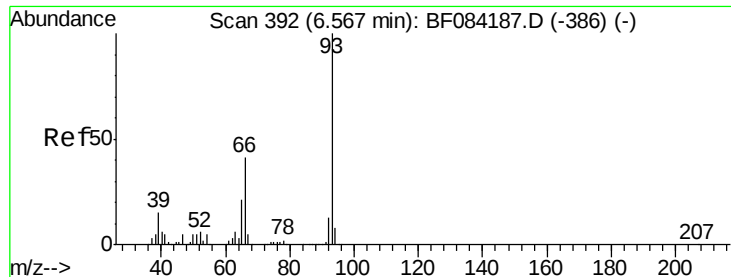


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 35.22 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.05 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416DL

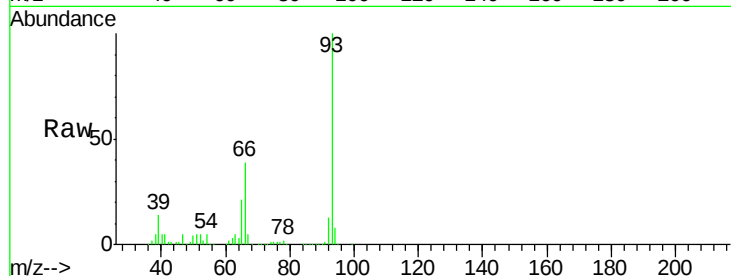
Tgt Ion: 93 Resp: 877626

Ion Ratio Lower Upper

93 100

66 39.5 44.9 67.3#

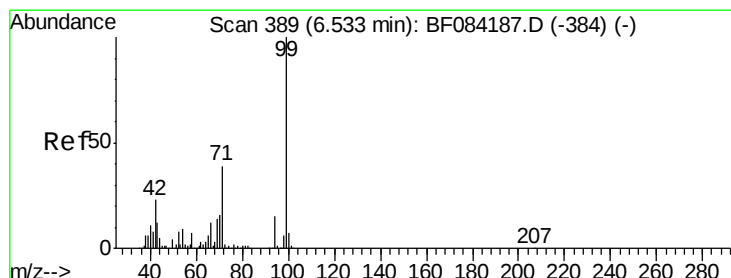
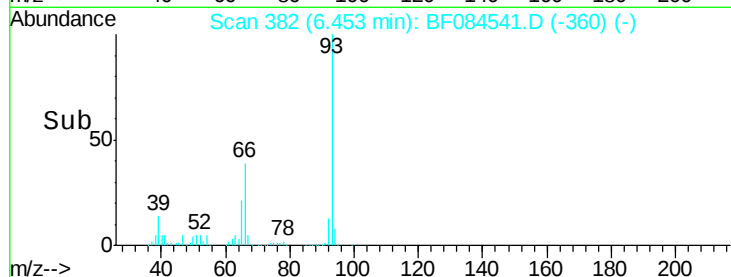
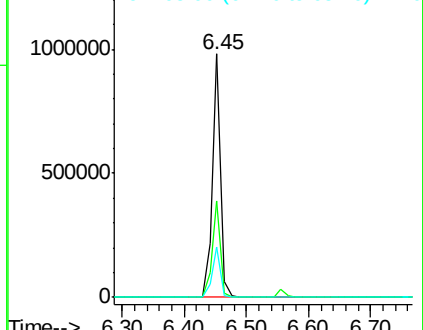
65 20.8 23.7 35.5#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 3.22 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.05 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

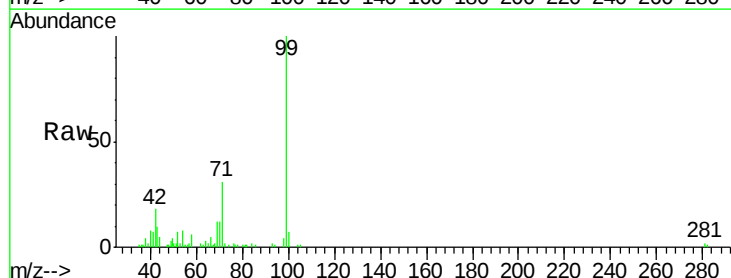
Tgt Ion: 99 Resp: 54881

Ion Ratio Lower Upper

99 100

42 17.8 12.8 19.2

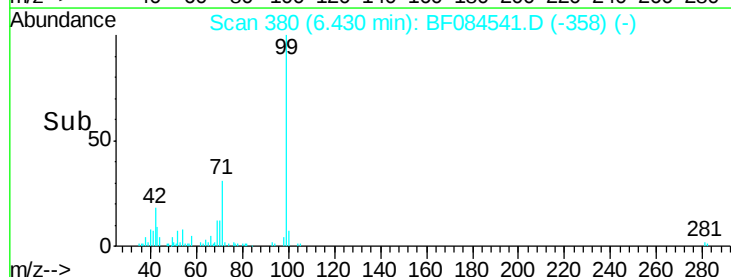
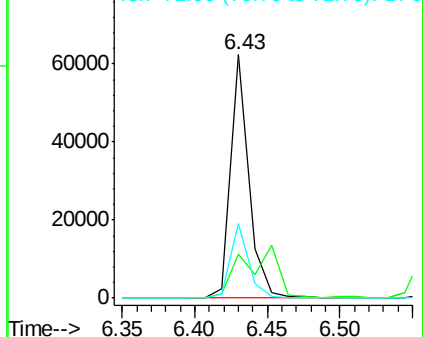
71 30.5 30.9 46.3#

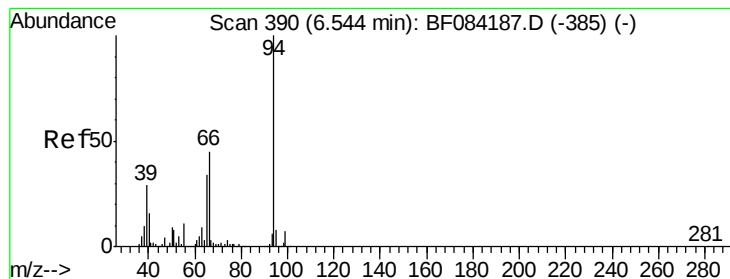


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 3.47 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.05 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416DL

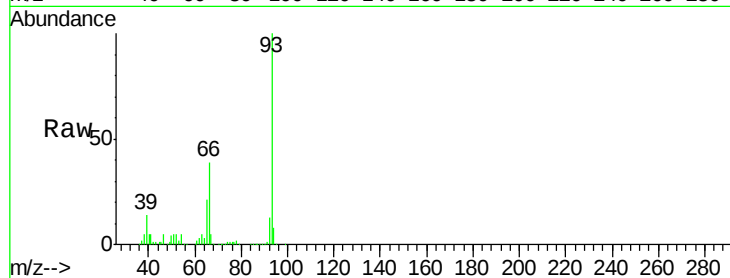
Tgt Ion: 94 Resp: 67162

Ion Ratio Lower Upper

94 100

65 276.1 12.9 52.9#

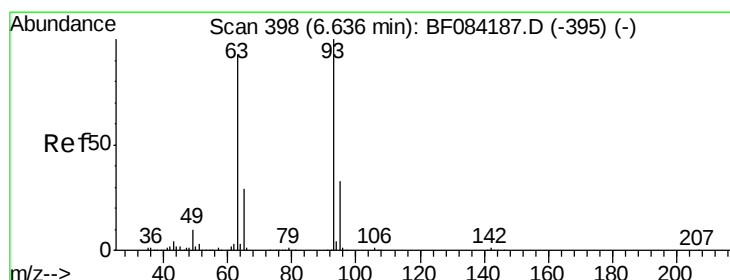
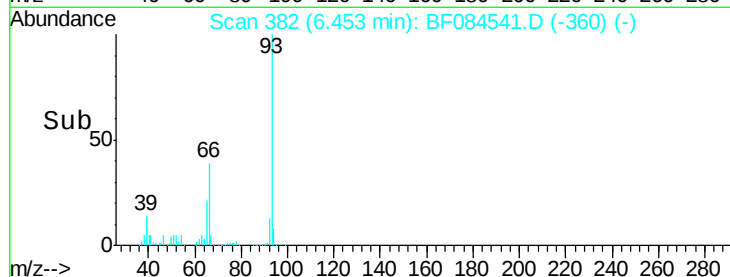
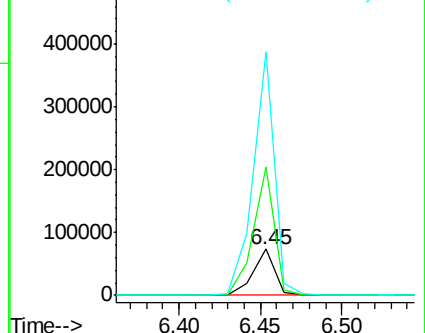
66 525.0 32.7 72.7#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 58.50 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.13 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

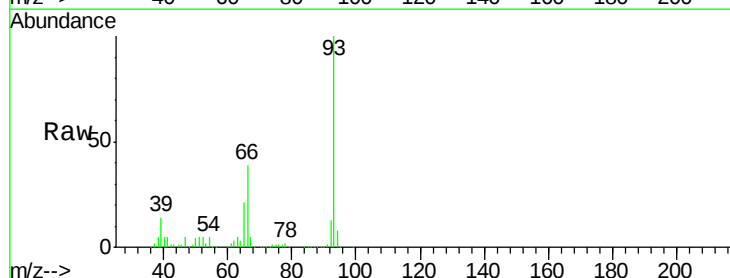
Tgt Ion: 93 Resp: 877626

Ion Ratio Lower Upper

93 100

63 5.3 45.9 85.9#

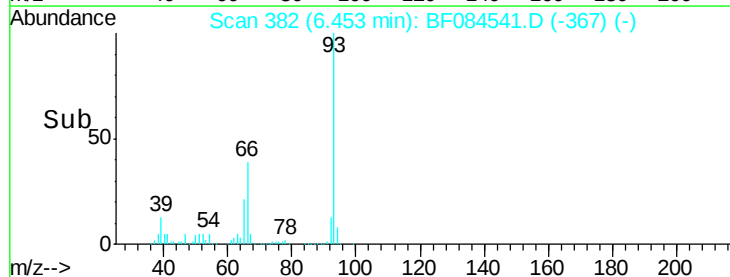
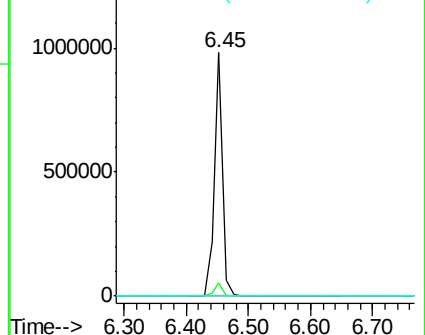
95 0.3 12.3 52.3#

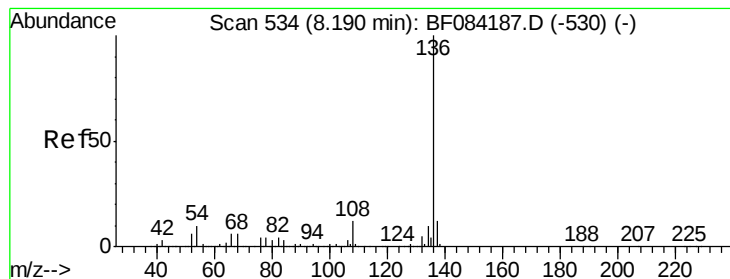


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.05 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416DL

Tgt Ion: 136 Resp: 902256

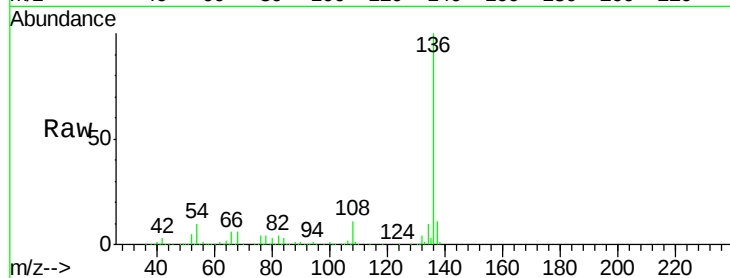
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 10.3 5.8 8.8#

68 6.0 4.2 6.2

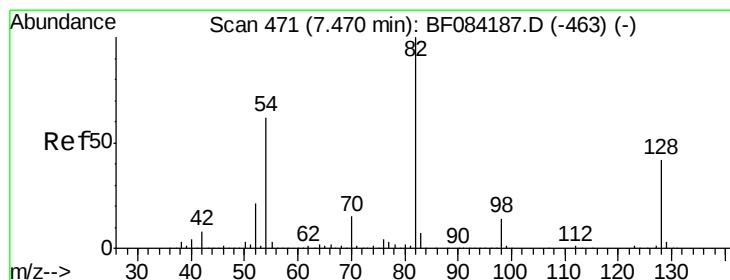
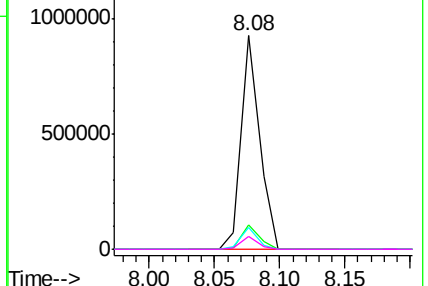
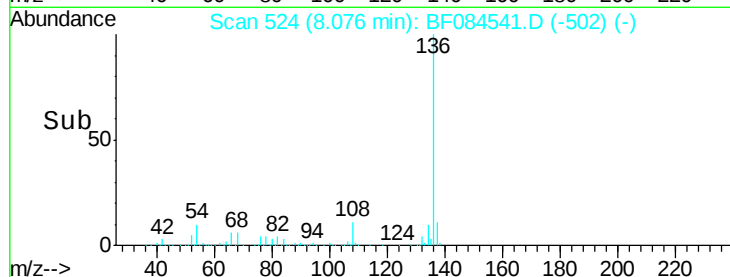


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.34 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.05 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

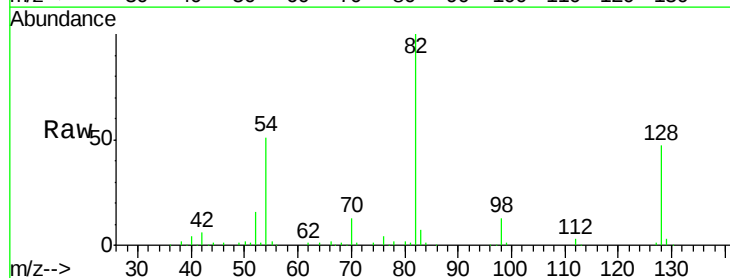
Tgt Ion: 82 Resp: 151362

Ion Ratio Lower Upper

82 100

128 46.7 34.6 51.8

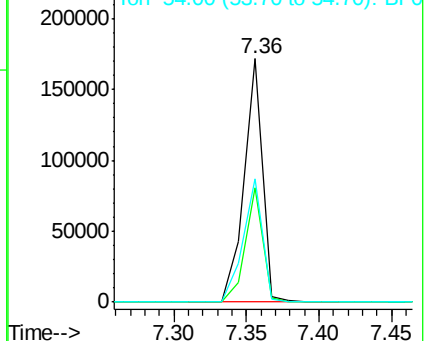
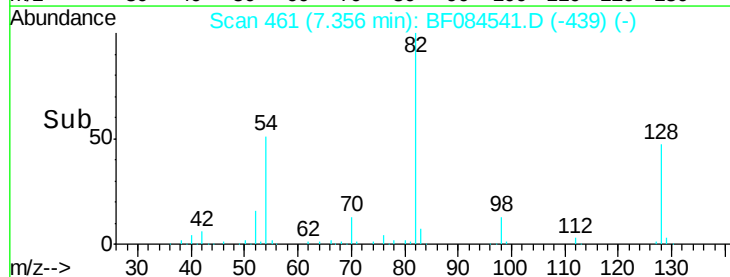
54 50.8 38.4 57.6

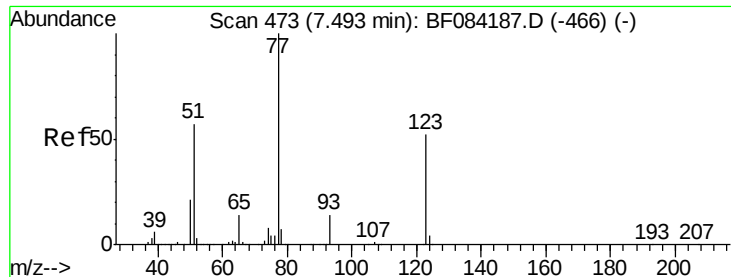


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 21.59 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.06 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416DL

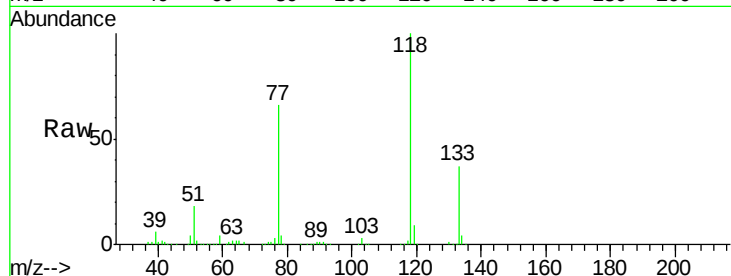
Tgt Ion: 77 Resp: 354975

Ion Ratio Lower Upper

77 100

123 0.0 37.4 56.2#

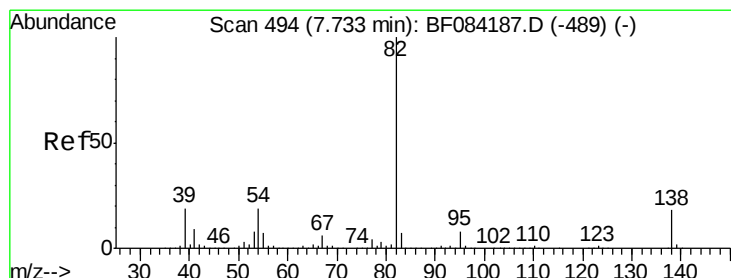
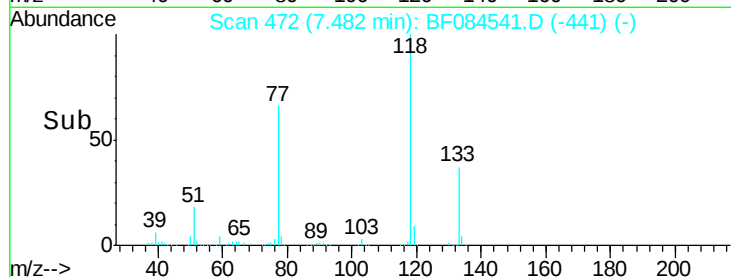
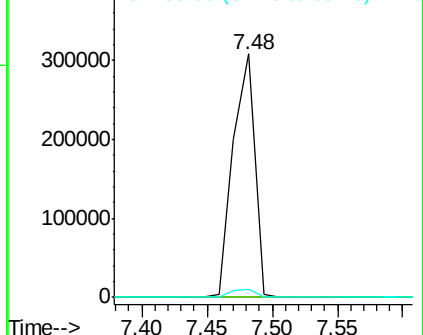
65 3.5 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 3.92 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.31 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

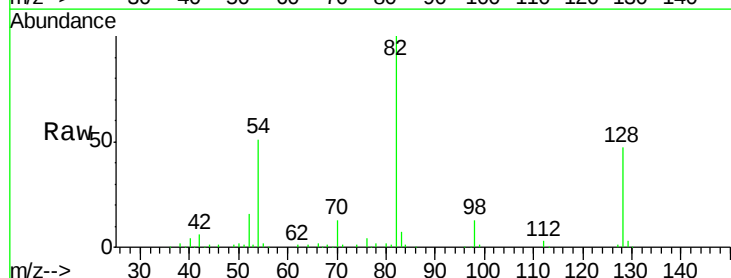
Tgt Ion: 82 Resp: 121639

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

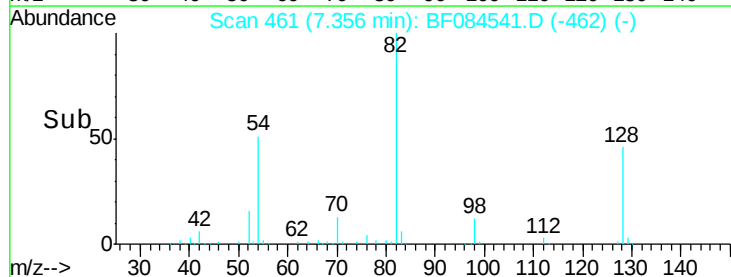
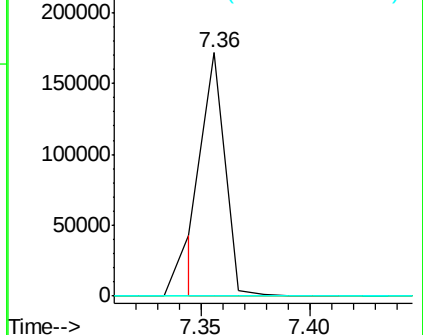
138 0.0 13.6 20.4#

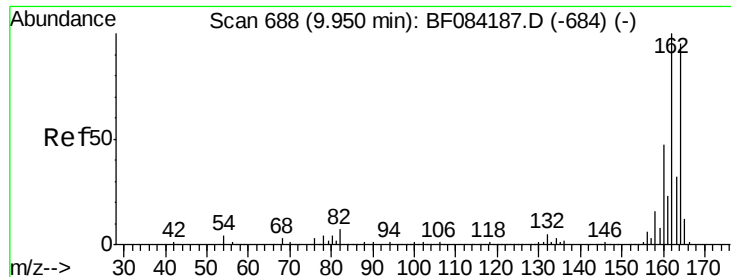


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

Instrument :

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SYS-DIS-011416DL

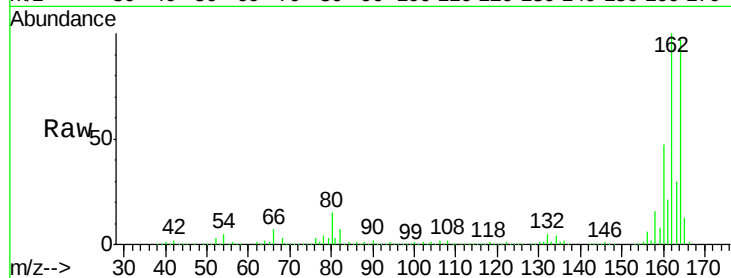
Tgt Ion:164 Resp: 463224

Ion Ratio Lower Upper

164 100

162 103.3 85.1 127.7

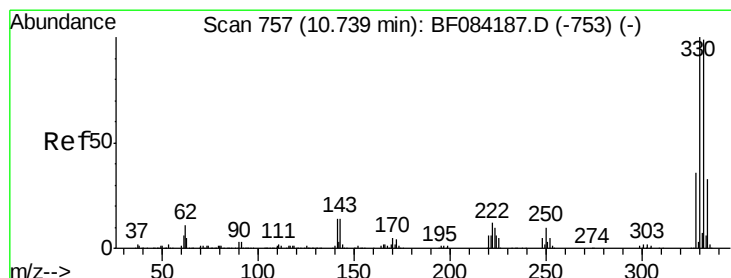
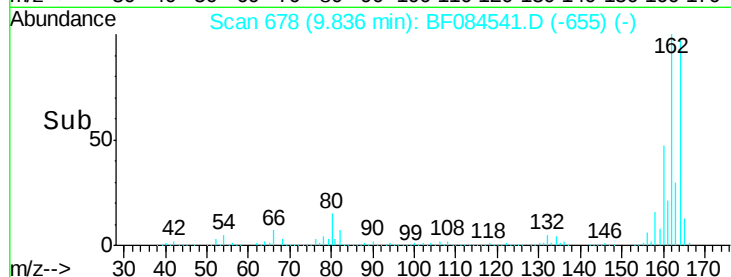
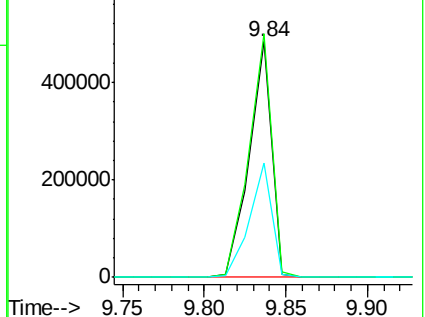
160 48.4 37.5 56.3



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: 7.83 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.05 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

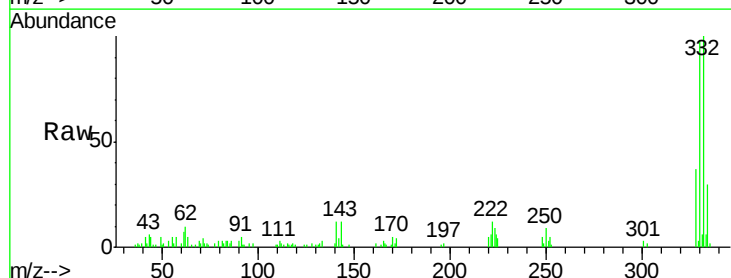
Tgt Ion:330 Resp: 36634

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

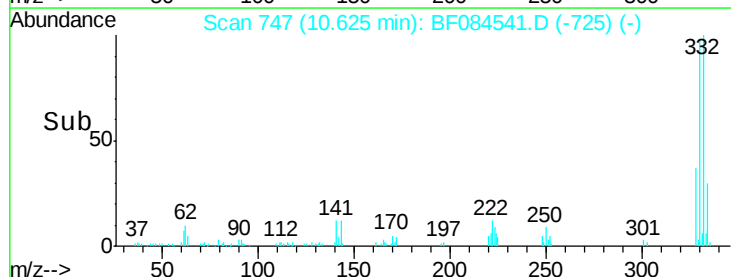
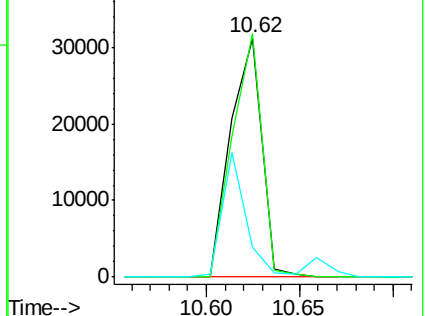
141 40.3 27.8 41.6

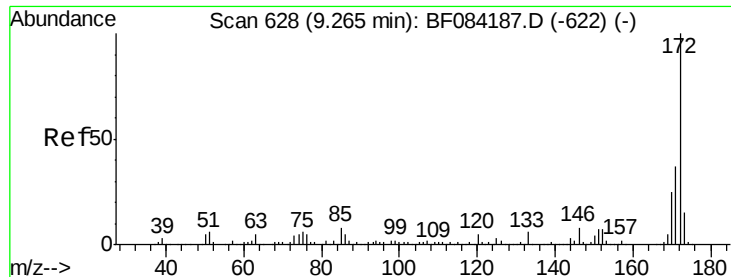


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

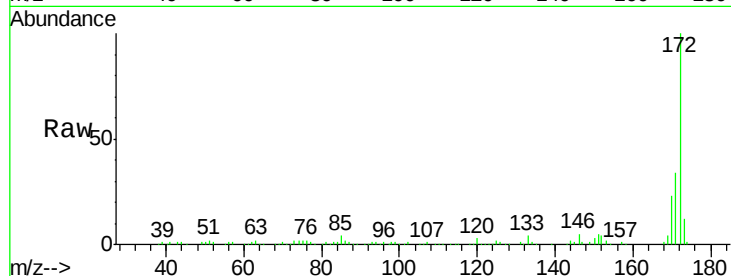




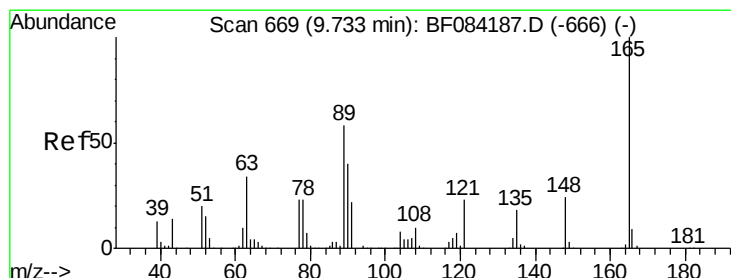
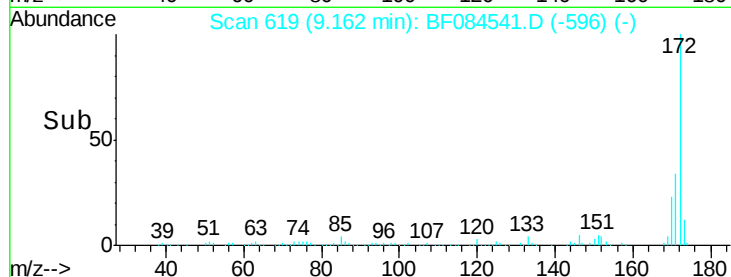
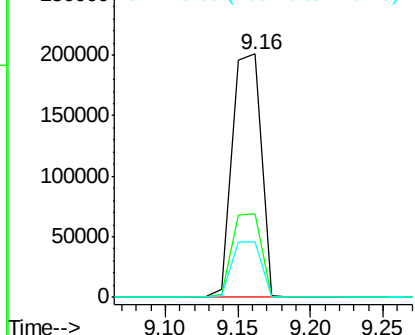
#44
 2-Fluorobiphenyl
 Concen: 4.57 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF084541.D
 Acq: 18 Jan 2016 17:52

Instrument :
 BNA_F
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 SYS-DIS-011416DL

Tgt Ion:172 Resp: 278062
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.9 43.3
 170 22.9 18.6 27.8

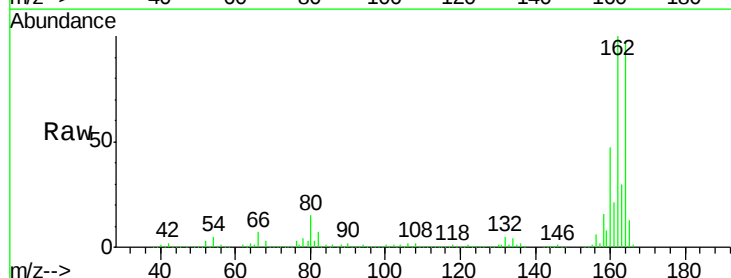


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

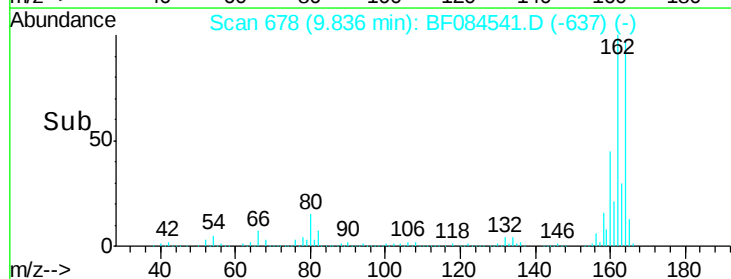
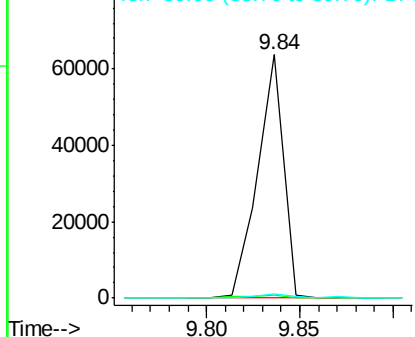


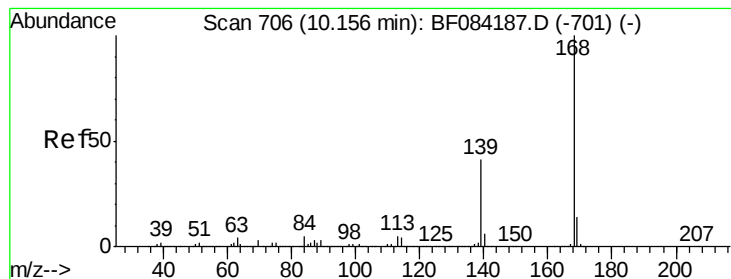
#50
 2,6-Dinitrotoluene
 Concen: 8.39 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.17 min
 Lab File: BF084541.D
 Acq: 18 Jan 2016 17:52

Tgt Ion:165 Resp: 60957
 Ion Ratio Lower Upper
 165 100
 63 1.4 28.8 43.2#
 89 1.7 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





#54

Dibenzofuran

Concen: Below Cal

RT: 10.04 min Scan# 696

Delta R.T. -0.03 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416DL

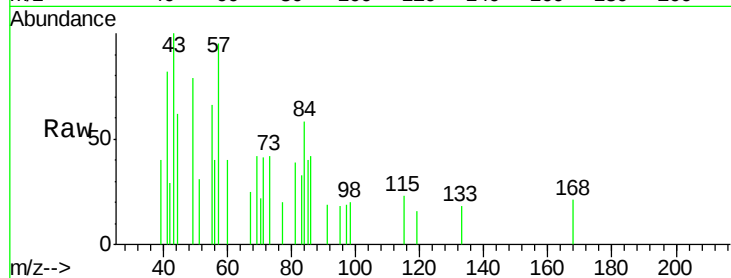
Tgt Ion:168 Resp: 271

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

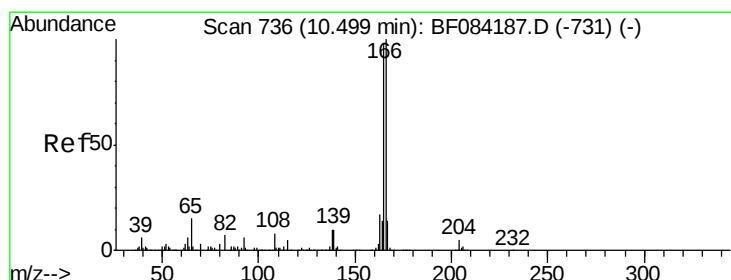
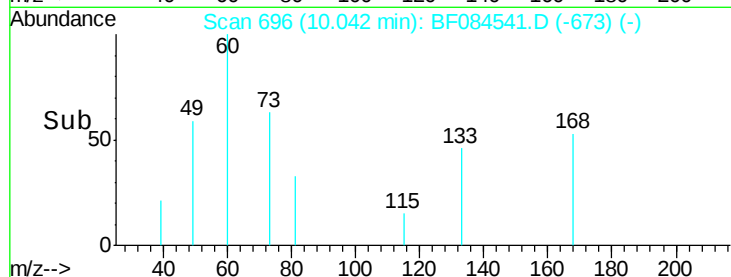
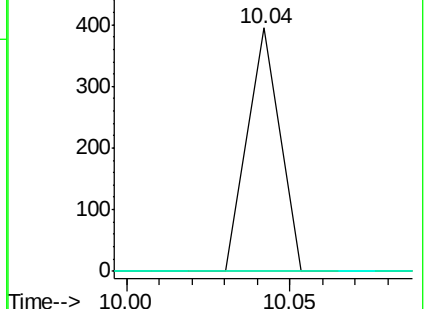
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: Below Cal

RT: 10.61 min Scan# 746

Delta R.T. 0.19 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

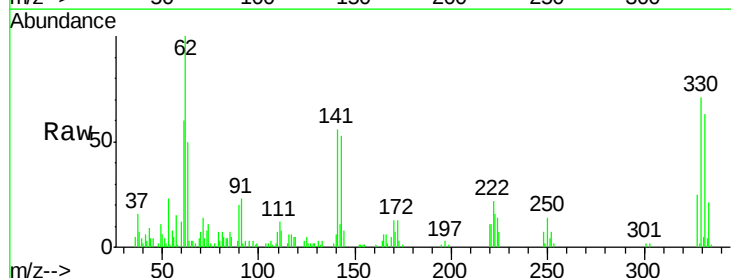
Tgt Ion:166 Resp: 1681

Ion Ratio Lower Upper

166 100

165 109.7 79.1 118.7

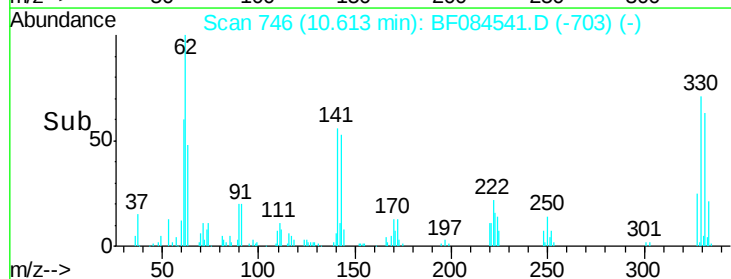
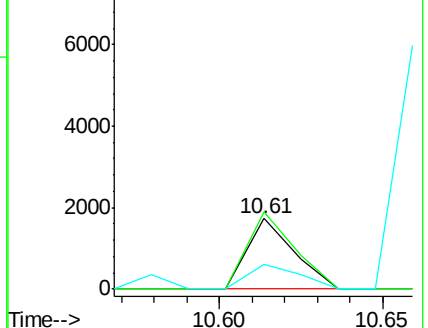
167 36.0 10.4 15.6#

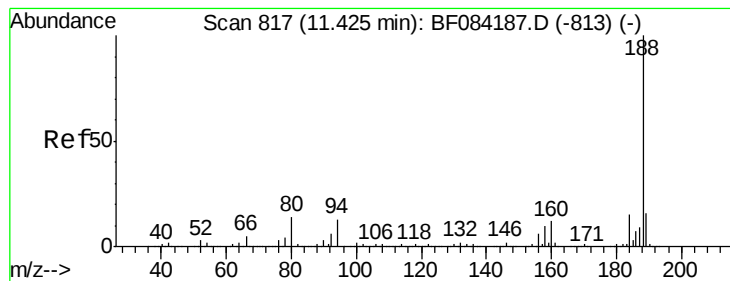


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.05 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416DL

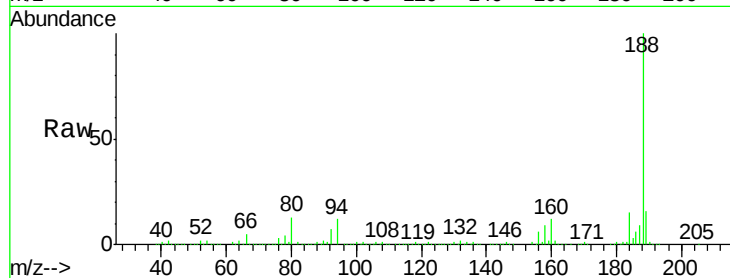
Tgt Ion:188 Resp: 799035

Ion Ratio Lower Upper

188 100

94 11.6 9.0 13.4

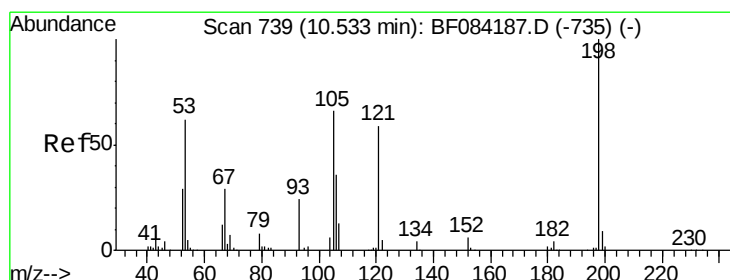
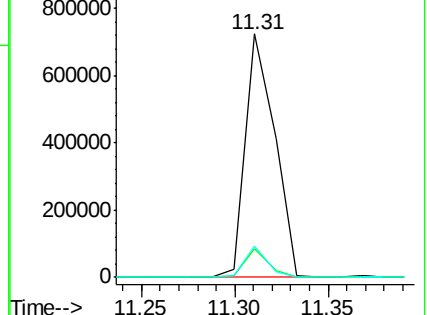
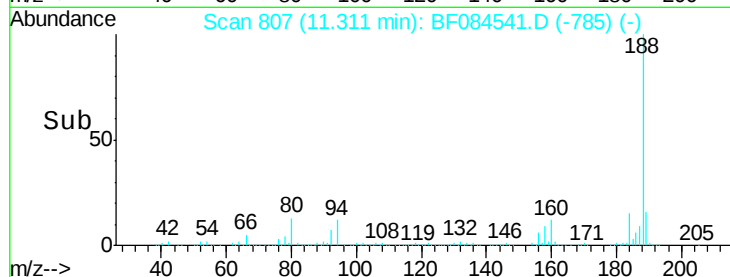
80 12.8 9.6 14.4



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: 6.48 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.18 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

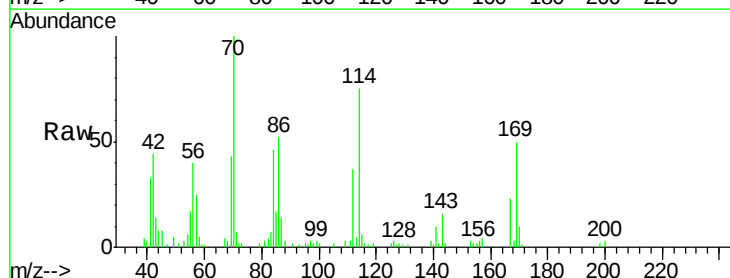
Tgt Ion:198 Resp: 370

Ion Ratio Lower Upper

198 100

51 113.3 18.9 58.9#

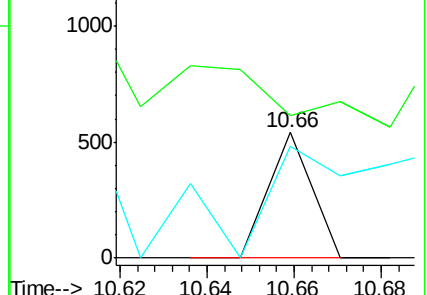
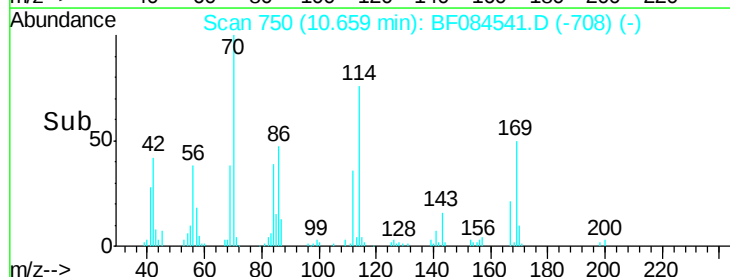
105 89.4 26.4 66.4#

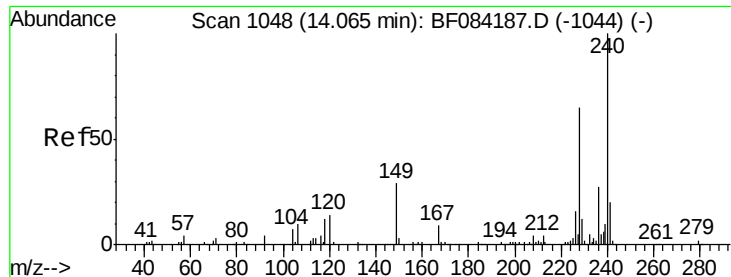


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416DL

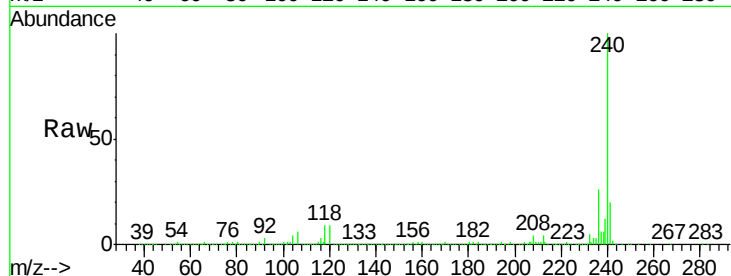
Tgt Ion:240 Resp: 683685

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

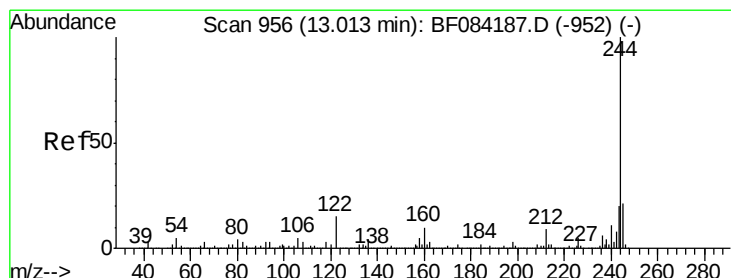
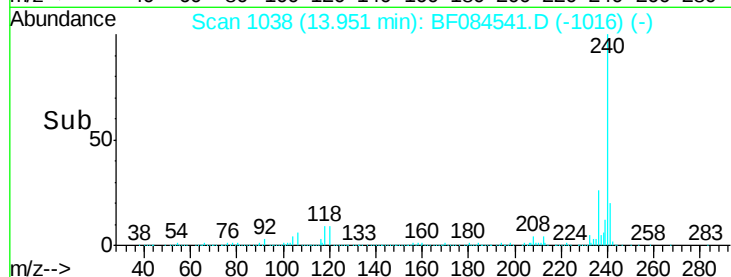
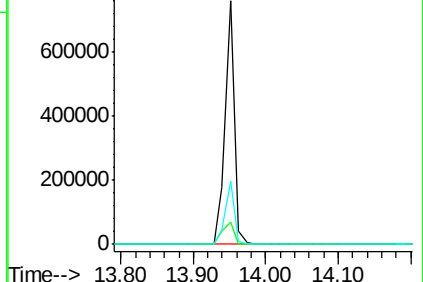
236 25.8 20.6 31.0



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: 7.37 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

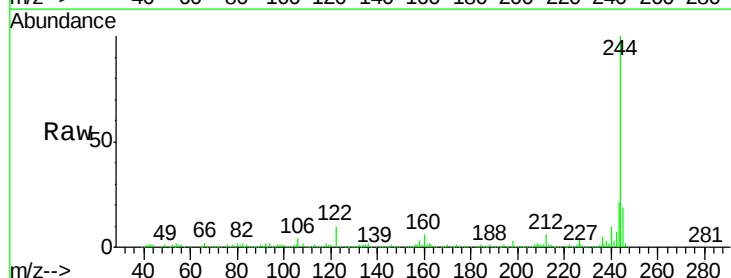
Tgt Ion:244 Resp: 225765

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

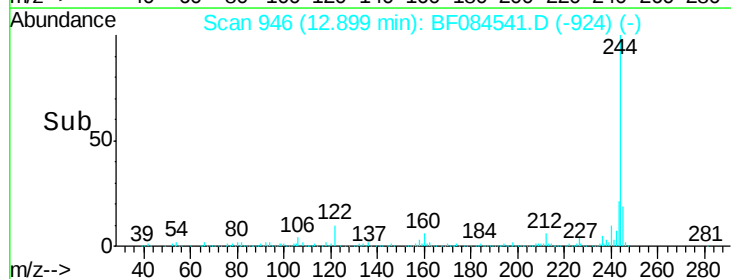
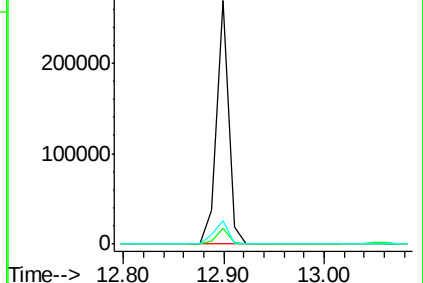
122 9.8 7.4 11.0

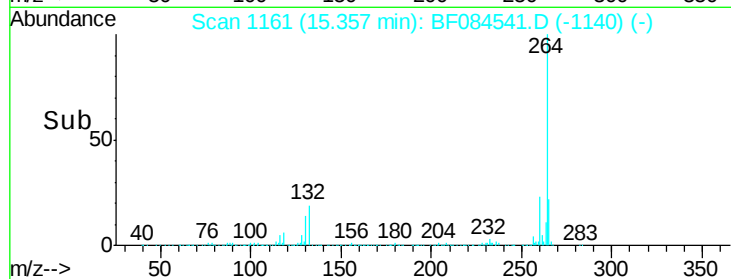
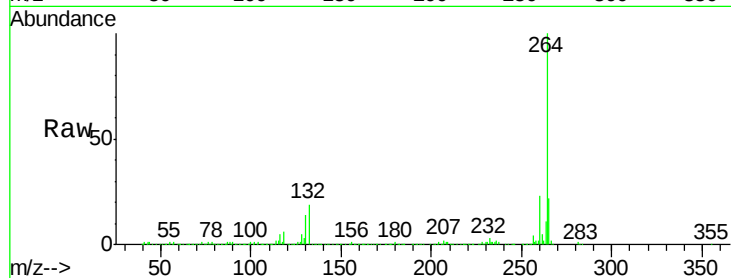
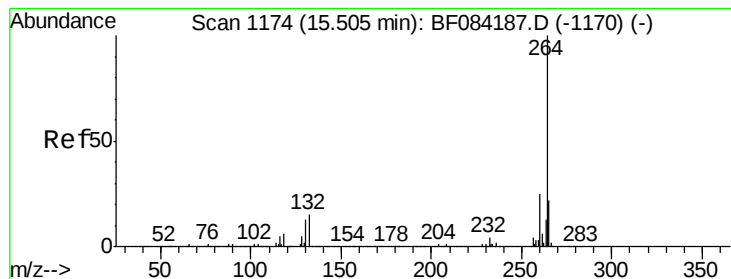


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.36 min Scan# 1161

Delta R.T. -0.06 min

Lab File: BF084541.D

Acq: 18 Jan 2016 17:52

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416DL

Tgt Ion: 264 Resp: 454115

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 21.8 17.8 26.6

