

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050216\
 Data File : BF086625.D
 Acq On : 2 May 2016 18:53
 Operator : UM/SJ
 Sample : H2716-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-4-CS-1(0-8FTBGS)

Quant Time: May 03 01:17:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

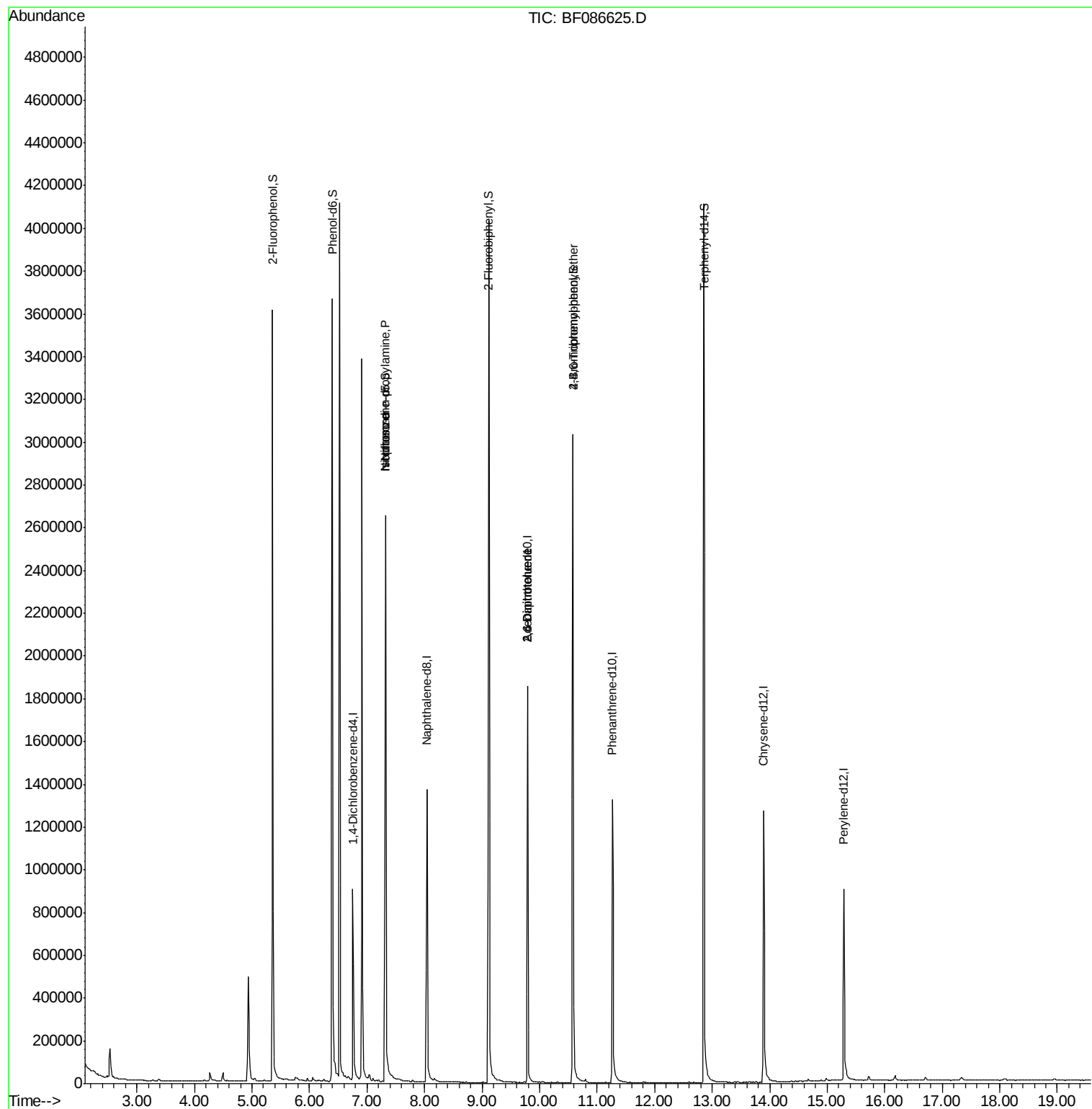
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	174309	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	755440	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	374700	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	727521	20.00	ng	-0.06
75) Chrysene-d12	13.89	240	618221	20.00	ng	-0.07
86) Perylene-d12	15.29	264	452456	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	948165	93.83	ng	-0.03
7) Phenol-d6	6.40	99	1293994	91.75	ng	-0.05
23) Nitrobenzene-d5	7.32	82	972906	69.42	ng	-0.06
41) 2,4,6-Tribromophenol	10.58	330	396695	100.39	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	1495096	66.33	ng	-0.06
78) Terphenyl-d14	12.85	244	1755571	62.56	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	131370	14.09	ng	# 76
25) Isophorone	7.32	82	727843	26.98	ng	# 68
50) 2,6-Dinitrotoluene	9.79	165	46694	8.01	ng	# 20
56) 2,4-Dinitrotoluene	9.79	165	47124	6.34	ng	# 16
66) 4-Bromophenyl-phenylether	10.58	248	25206	3.36	ng	# 1

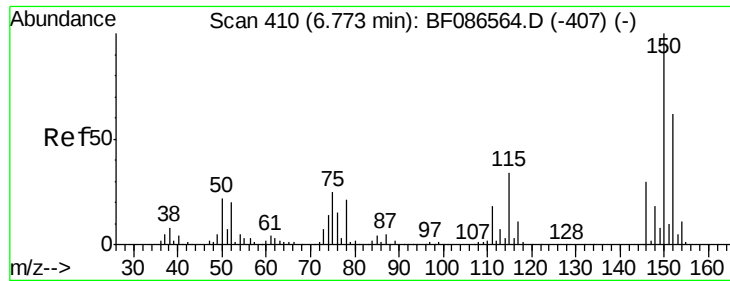
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.06 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

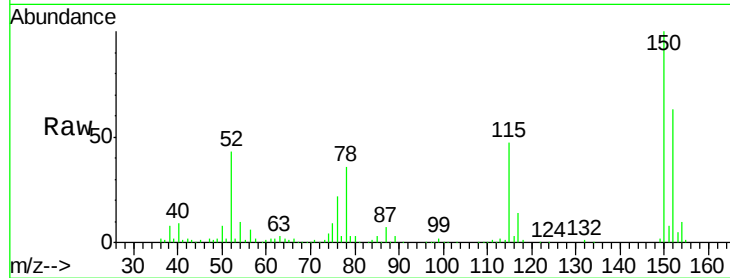
Tgt Ion:152 Resp: 174309

Ion Ratio Lower Upper

152 100

150 160.0 125.8 188.6

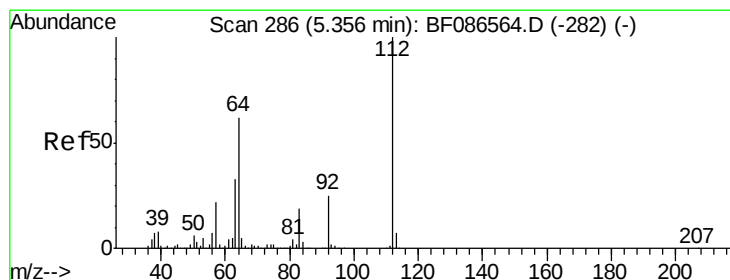
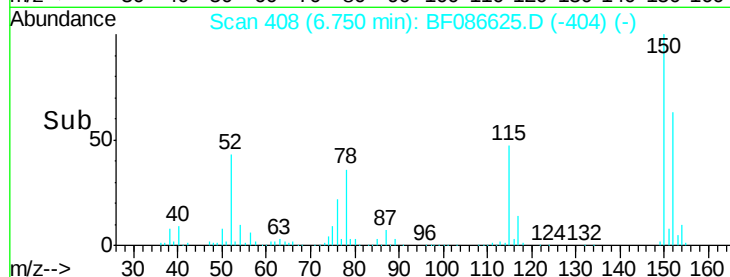
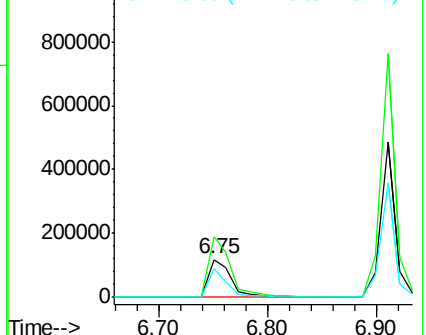
115 74.8 51.5 77.3



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: 93.83 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.03 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

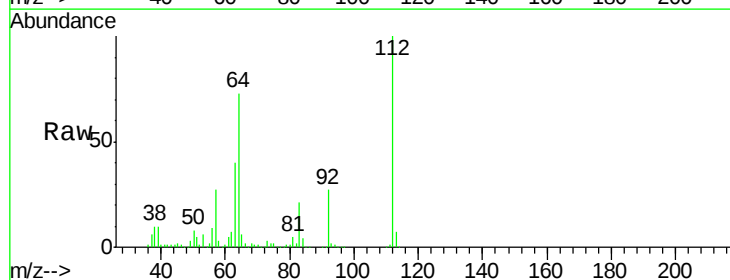
Tgt Ion:112 Resp: 948165

Ion Ratio Lower Upper

112 100

64 73.5 52.1 78.1

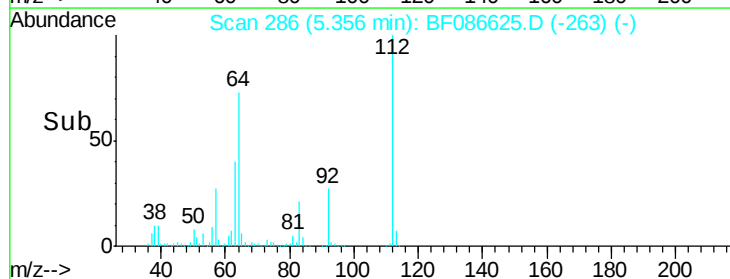
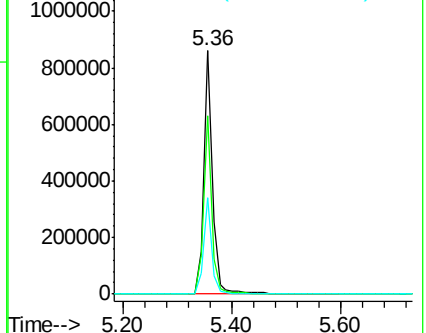
63 39.8 25.7 38.5#



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: 91.75 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

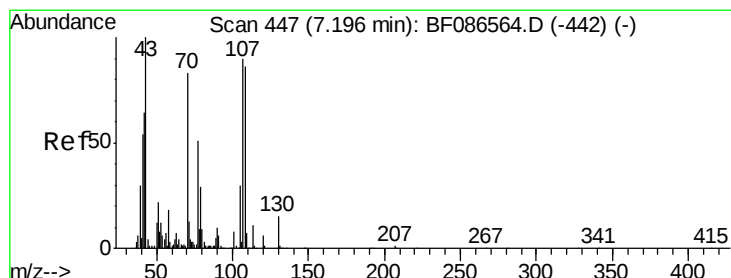
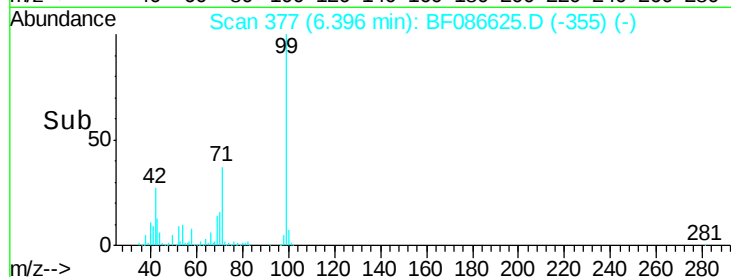
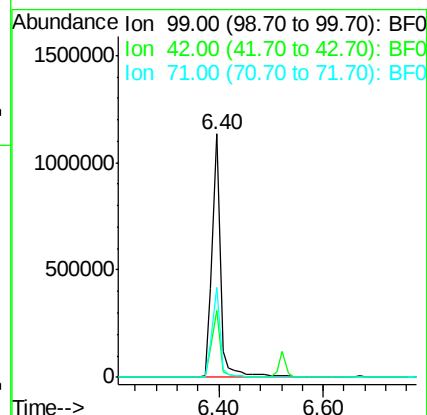
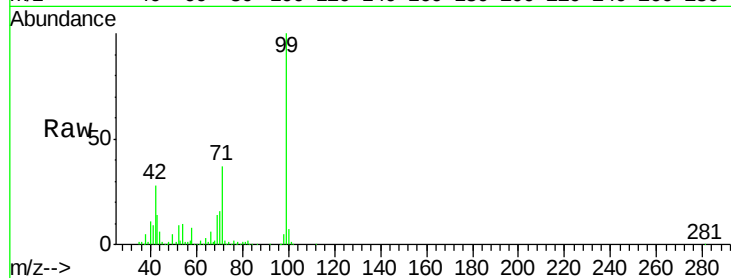
Tgt Ion: 99 Resp: 1293994

Ion Ratio Lower Upper

99 100

42 27.6 13.6 20.4#

71 37.2 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 14.09 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.09 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

Tgt Ion: 70 Resp: 131370

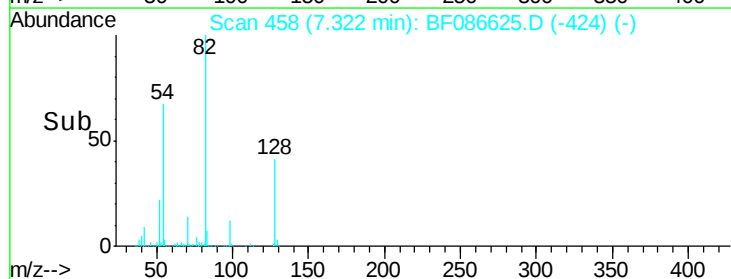
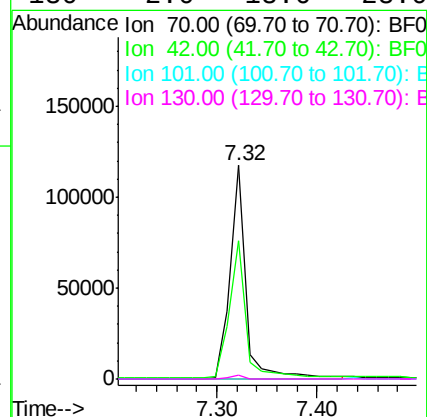
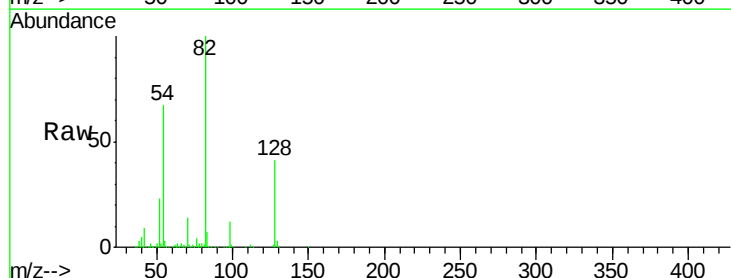
Ion Ratio Lower Upper

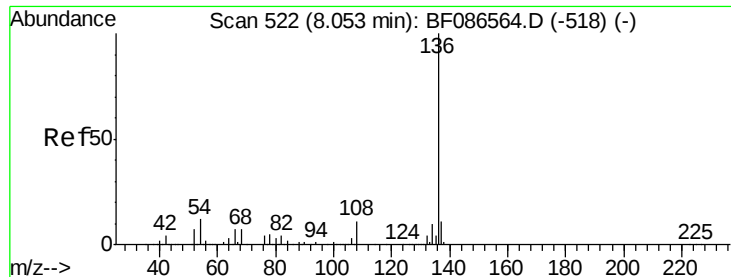
70 100

42 64.6 43.1 64.7

101 0.0 8.1 12.1#

130 2.0 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.06 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

Tgt Ion:136 Resp: 755440

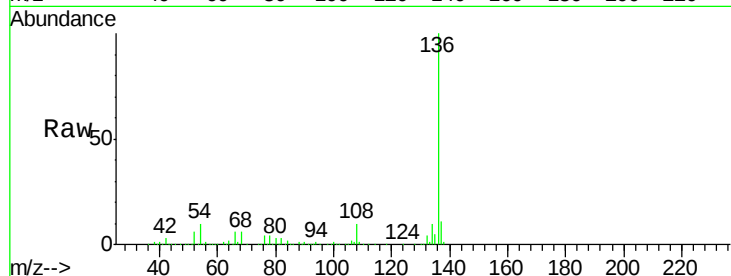
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 10.5 5.0 7.4#

68 6.3 4.4 6.6

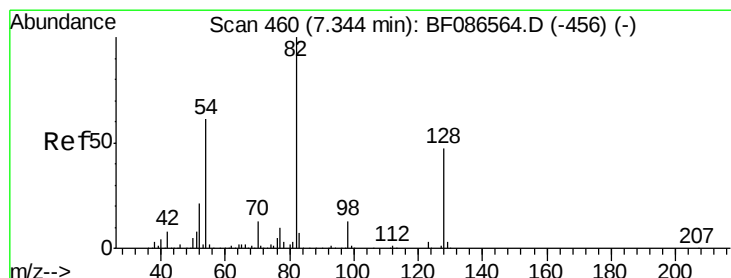
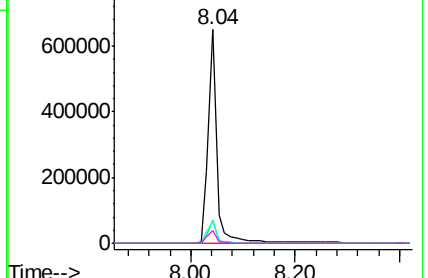
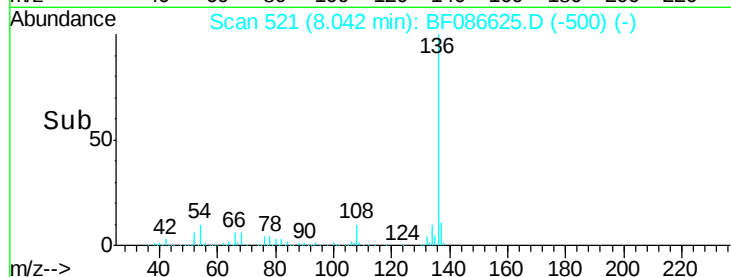


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.42 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.06 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

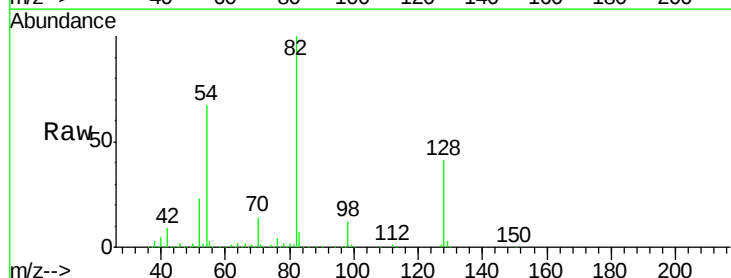
Tgt Ion: 82 Resp: 972906

Ion Ratio Lower Upper

82 100

128 41.2 40.6 61.0

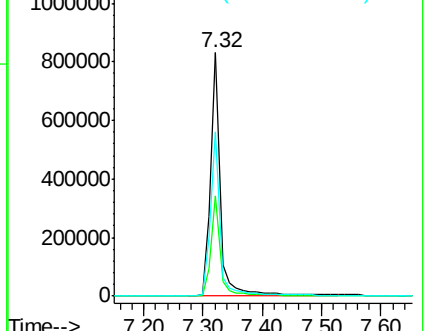
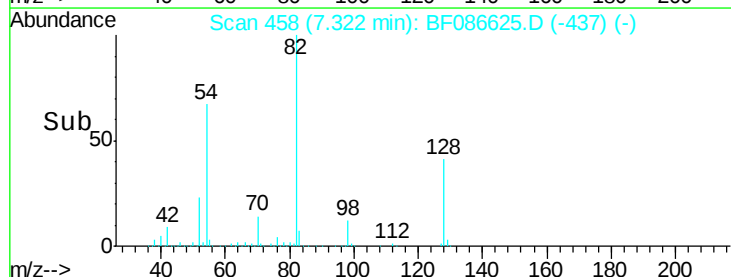
54 67.4 38.1 57.1#

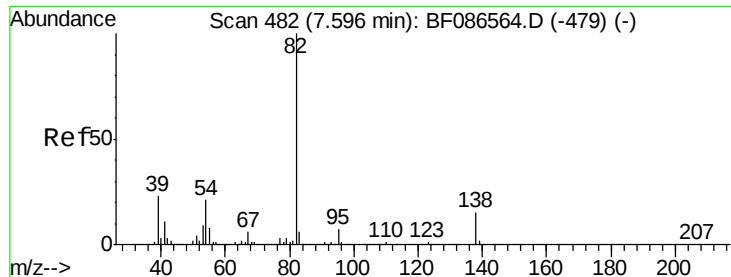


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 26.98 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.32 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

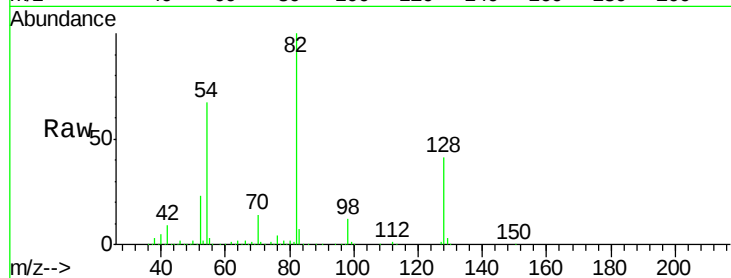
Tgt Ion: 82 Resp: 727843

Ion Ratio Lower Upper

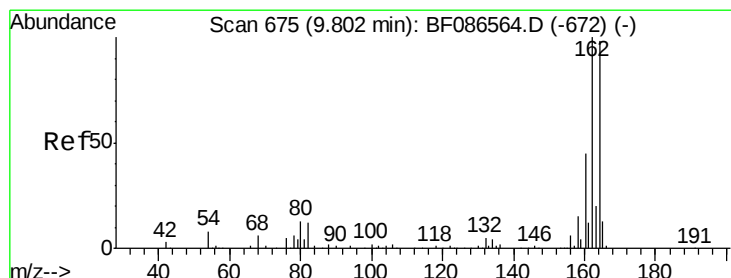
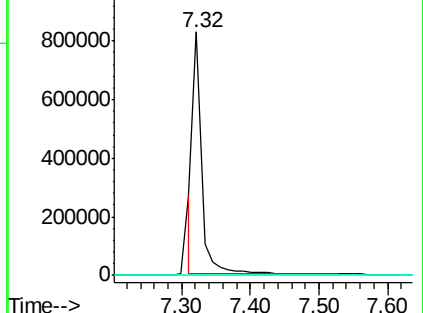
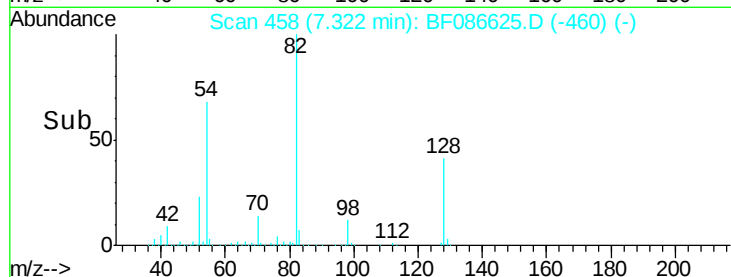
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



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: 9.79 min Scan# 674

Delta R.T. -0.06 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

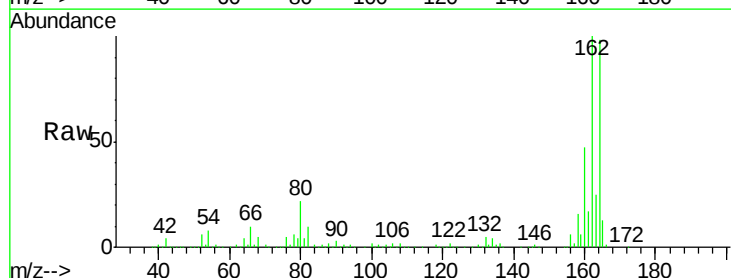
Tgt Ion: 164 Resp: 374700

Ion Ratio Lower Upper

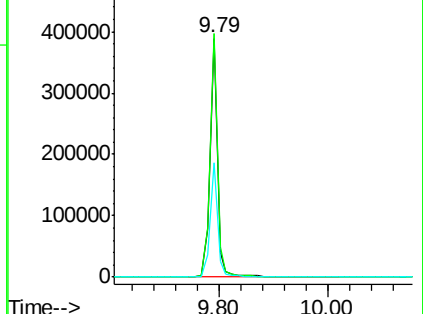
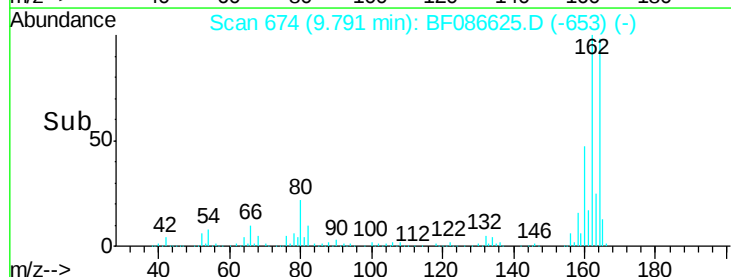
164 100

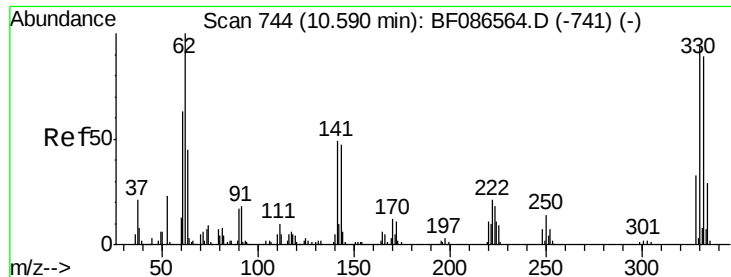
162 102.0 82.8 124.2

160 48.0 36.9 55.3



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

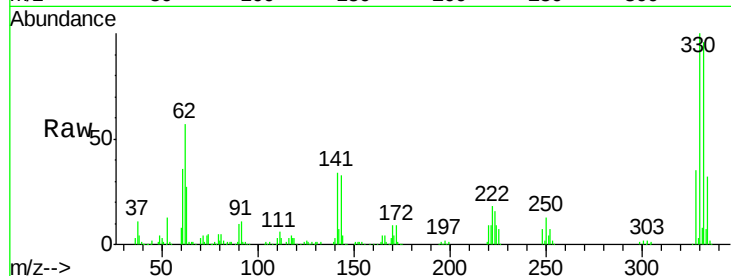




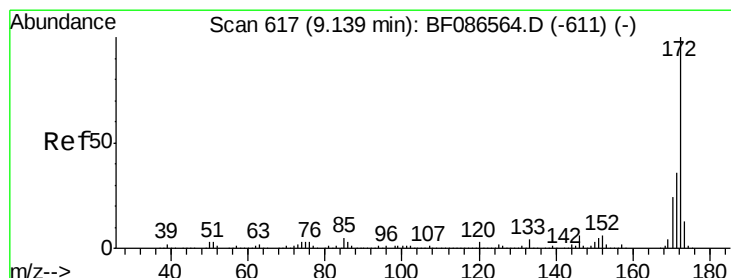
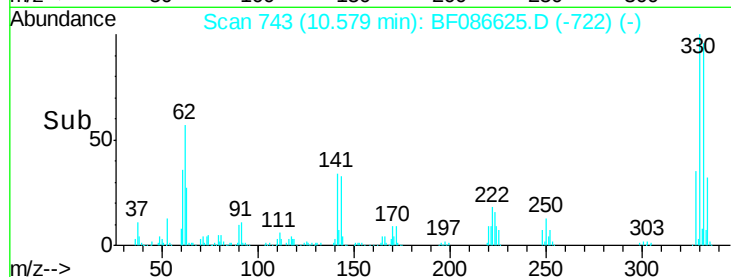
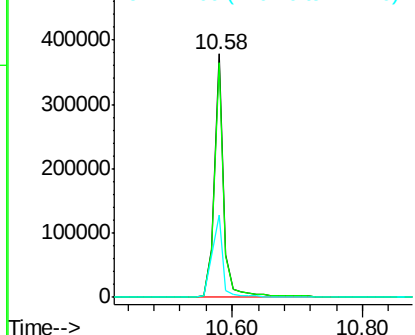
#41
 2,4,6-Tribromophenol
 Concen: 100.39 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.06 min
 Lab File: BF086625.D
 Acq: 2 May 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-4-CS-1(0-8FTBGS)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	79.0	118.4
141	39.4	31.2	46.8

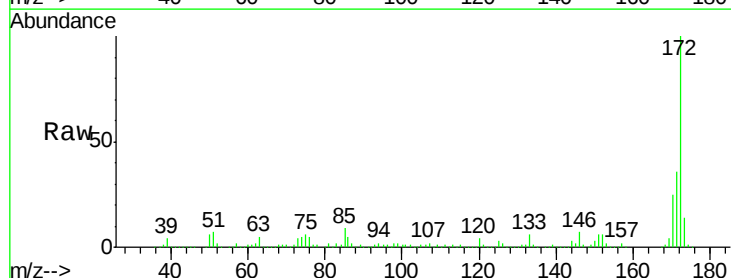


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

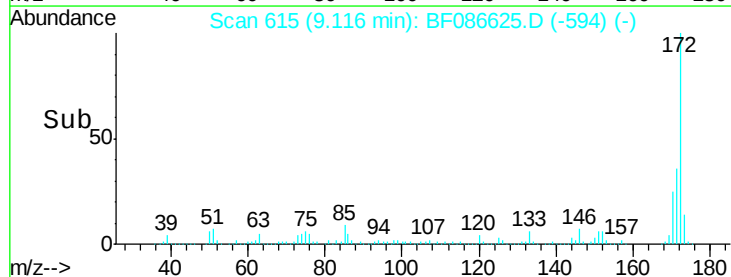
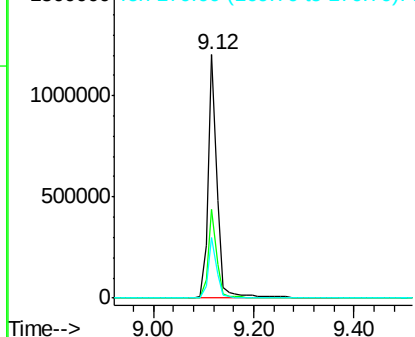


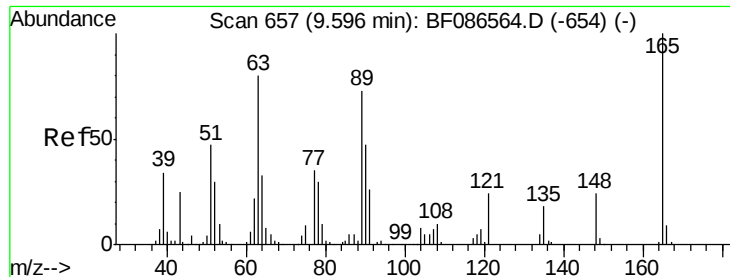
#44
 2-Fluorobiphenyl
 Concen: 66.33 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086625.D
 Acq: 2 May 2016 18:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.9	19.8	29.8



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

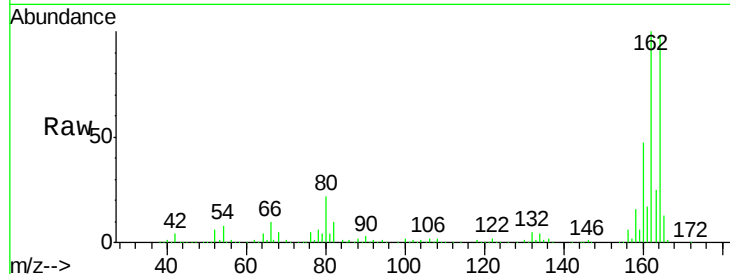




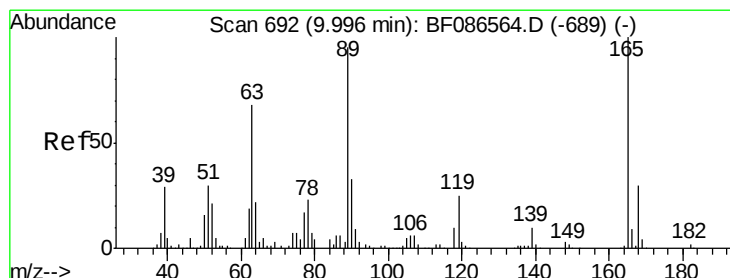
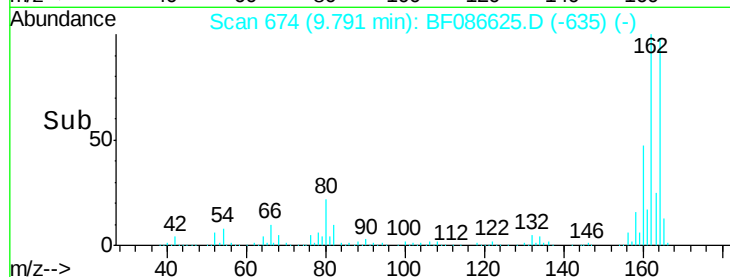
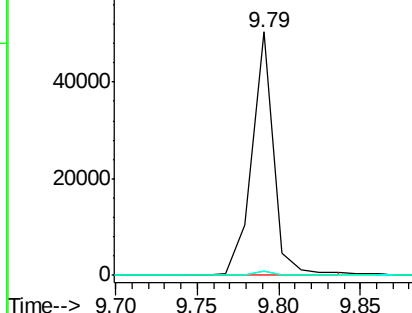
#50
 2,6-Dinitrotoluene
 Concen: 8.01 ng
 RT: 9.79 min Scan# 674
 Delta R.T. 0.15 min
 Lab File: BF086625.D
 Acq: 2 May 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-4-CS-1(0-8FTBGS)

Tgt Ion:165 Resp: 46694
 Ion Ratio Lower Upper
 165 100
 63 1.7 51.8 77.8#
 89 1.9 50.7 76.1#



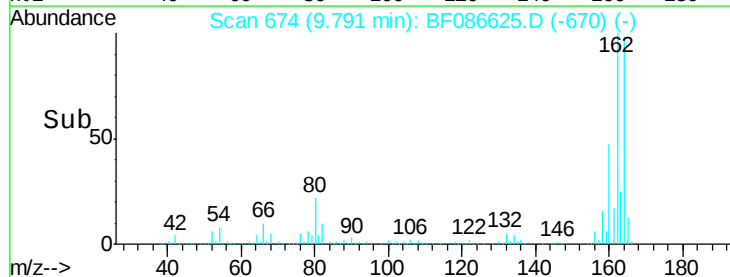
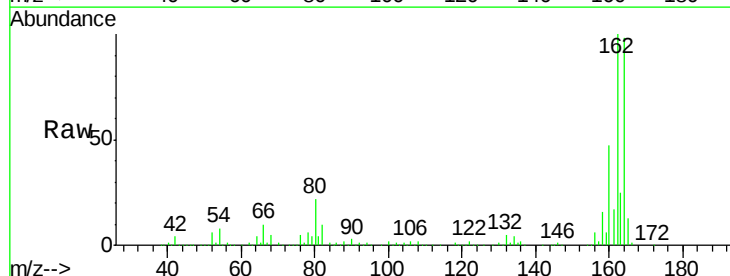
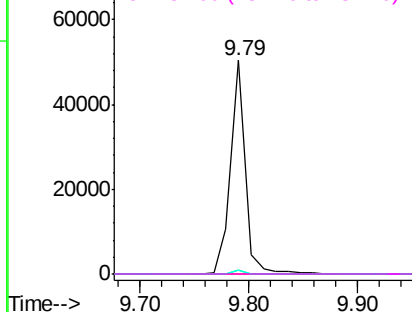
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

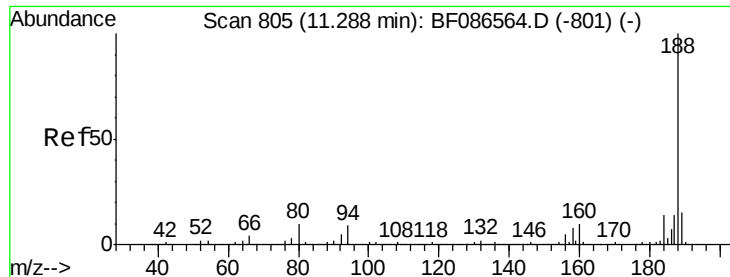


#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.25 min
 Lab File: BF086625.D
 Acq: 2 May 2016 18:53

Tgt Ion:165 Resp: 47124
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.3 66.5#
 89 1.9 70.0 105.0#
 182 0.0 1.8 2.6#

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

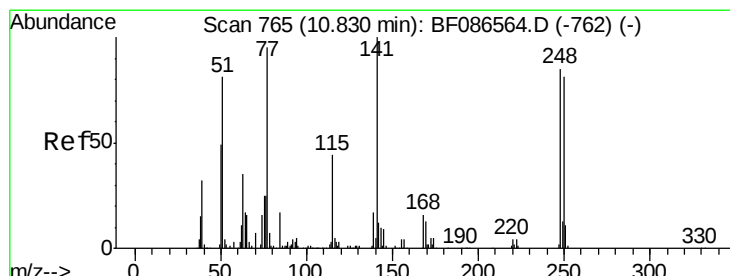
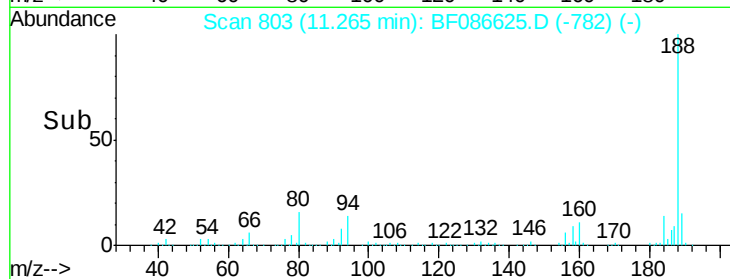
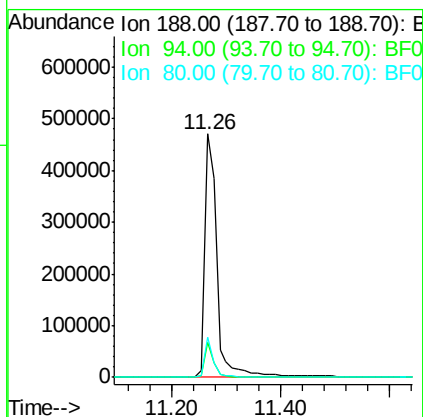
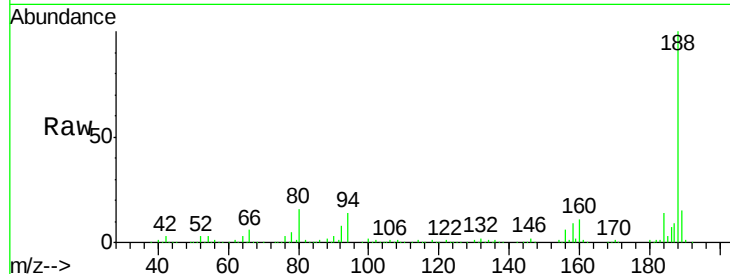




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.06 min
 Lab File: BF086625.D
 Acq: 2 May 2016 18:53

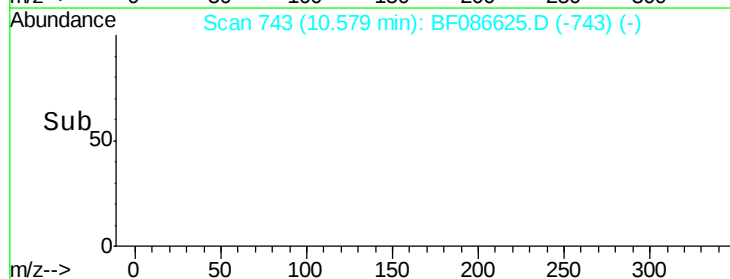
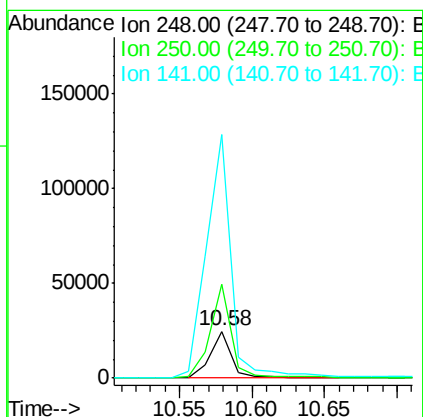
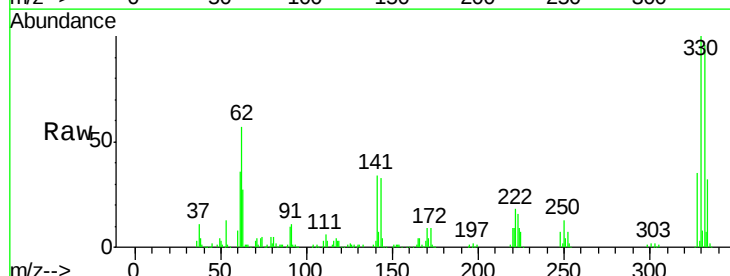
Instrument :
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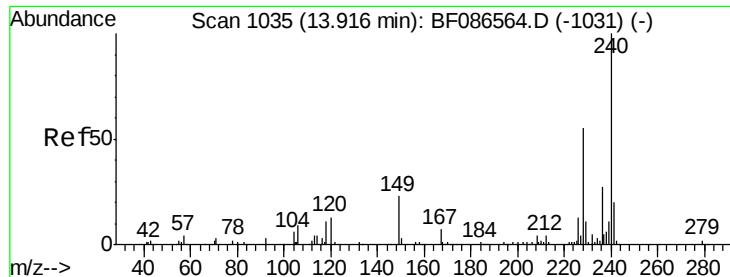
Tgt Ion:188 Resp: 727521
 Ion Ratio Lower Upper
 188 100
 94 14.4 6.8 10.2#
 80 16.2 7.1 10.7#



#66
 4-Bromophenyl-phenylether
 Concen: 3.36 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.30 min
 Lab File: BF086625.D
 Acq: 2 May 2016 18:53

Tgt Ion:248 Resp: 25206
 Ion Ratio Lower Upper
 248 100
 250 200.7 78.6 117.8#
 141 517.8 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.07 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

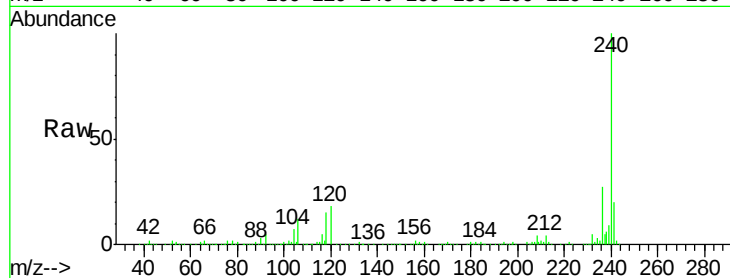
Tgt Ion:240 Resp: 618221

Ion Ratio Lower Upper

240 100

120 17.5 11.2 16.8#

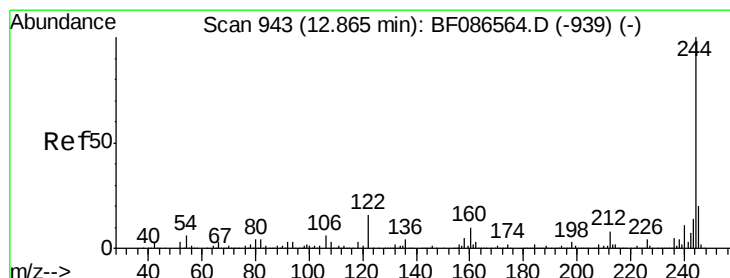
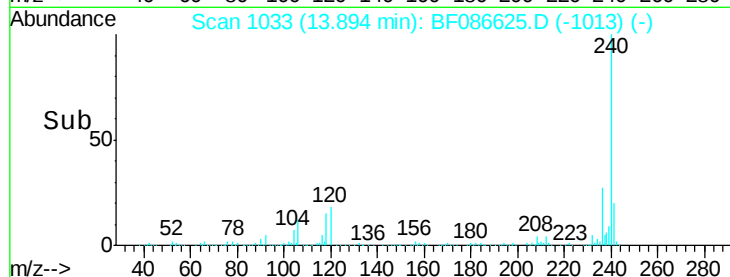
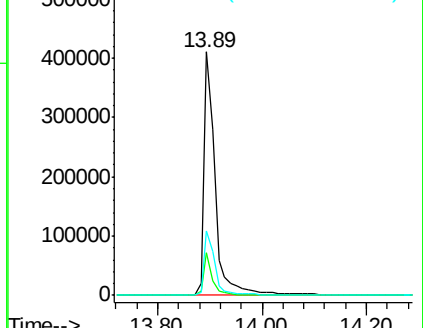
236 26.7 21.2 31.8



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: 62.56 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.06 min

Lab File: BF086625.D

Acq: 2 May 2016 18:53

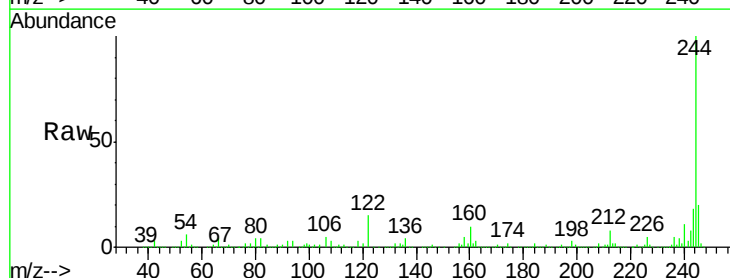
Tgt Ion:244 Resp: 1755571

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

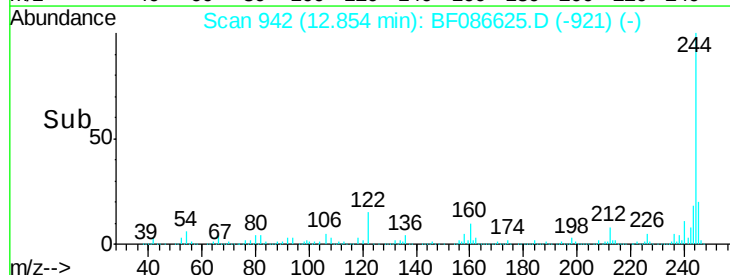
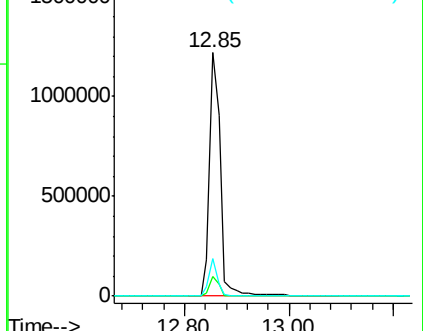
122 15.5 12.0 18.0

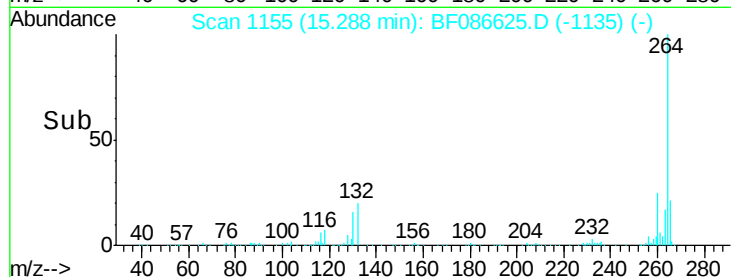
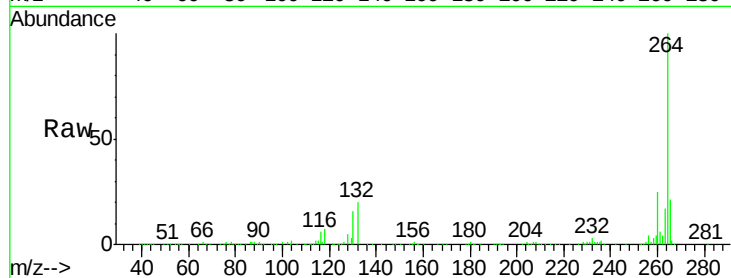
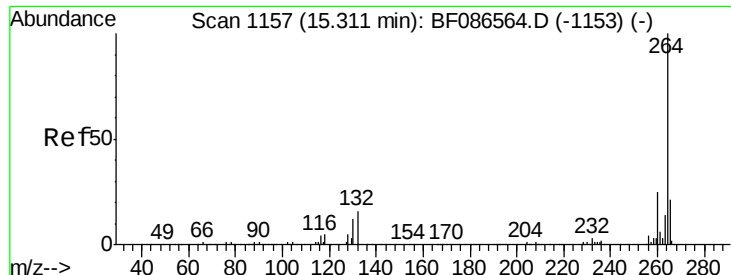


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 1155
Delta R.T. -0.07 min
Lab File: BF086625.D
Acq: 2 May 2016 18:53

Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-1(0-8FTBGS)

Tgt Ion:	264	Resp:	452456
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.1	17.3	25.9

