

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084674.D
 Acq On : 30 Jan 2016 9:46
 Operator : SJ/IZ
 Sample : H1303-09
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUPLICATE

Quant Time: Feb 01 00:22:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	190487	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	761502	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	340963	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	641506	20.00	ng	0.00
75) Chrysene-d12	13.87	240	453720	20.00	ng	0.00
86) Perylene-d12	15.25	264	363933	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1435085	113.72	ng	0.01
7) Phenol-d6	6.37	99	1680993	111.14	ng	0.00
23) Nitrobenzene-d5	7.29	82	1183665	86.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	499913	139.89	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1764573	76.92	ng	0.00
78) Terphenyl-d14	12.83	244	1613973	80.34	ng	0.00

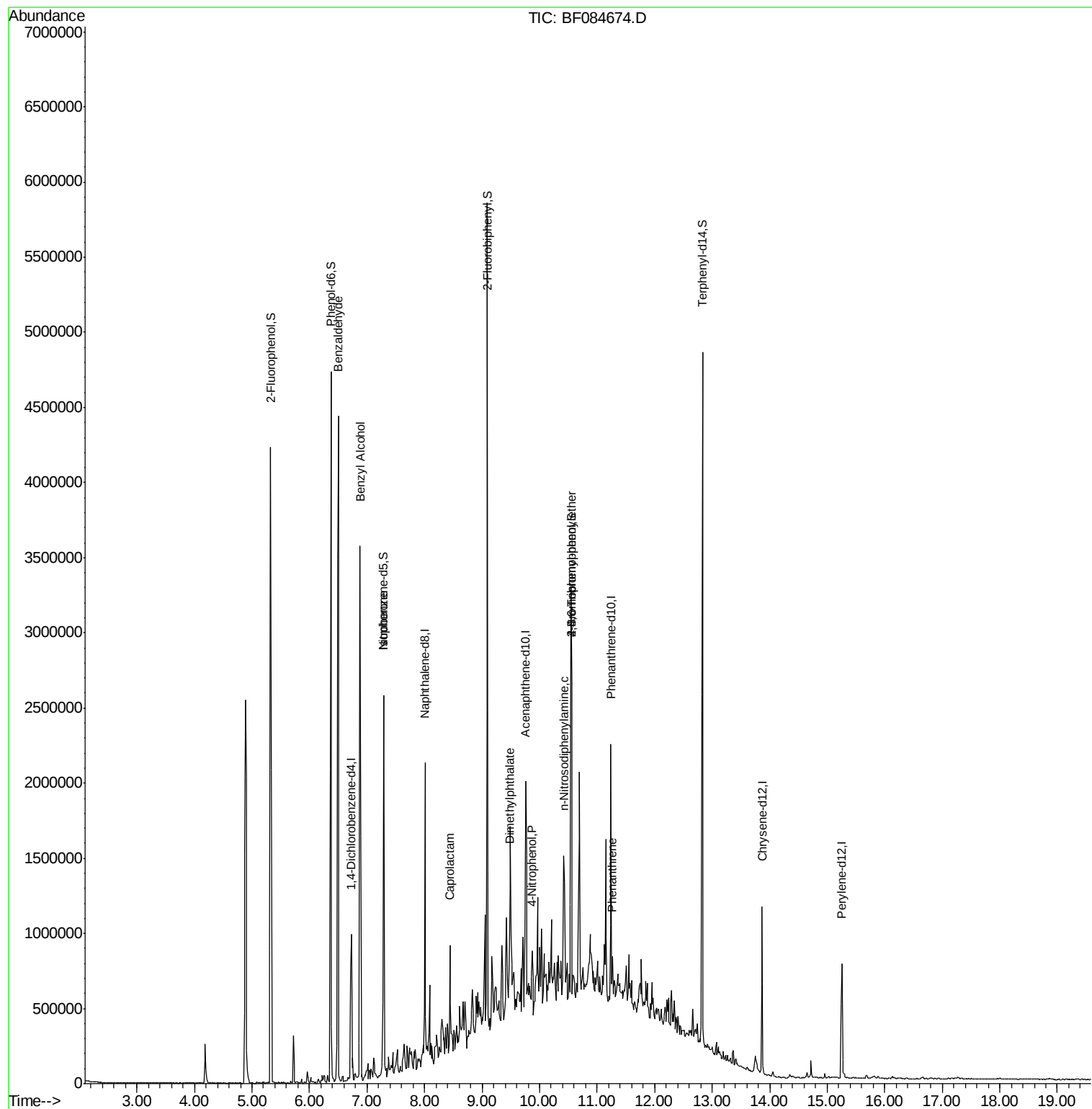
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	38163	4.36	ng	86
15) Benzyl Alcohol	6.88	79	21071	2.05	ng	# 49
25) Isophorone	7.29	82	1073850	42.07	ng	# 66
35) Caprolactam	8.44	113	17940	5.92	ng	# 1
49) Dimethylphthalate	9.48	163	291759	11.40	ng	# 90
55) 4-Nitrophenol	9.87	139	13313	3.08	ng	# 62
65) n-Nitrosodiphenylamine	10.42	169	66038	3.17	ng	# 50
66) 4-Bromophenyl-phenylether	10.56	248	29891	4.14	ng	# 1
70) Phenanthrene	11.26	178	77669	2.19	ng	# 94

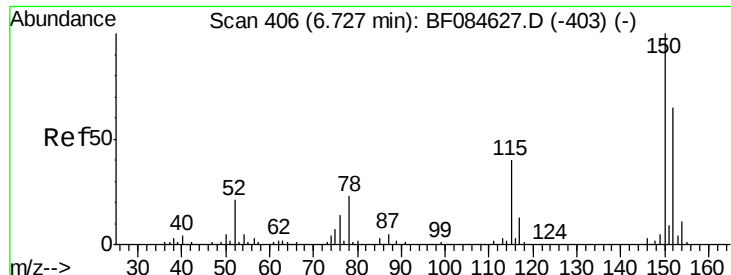
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

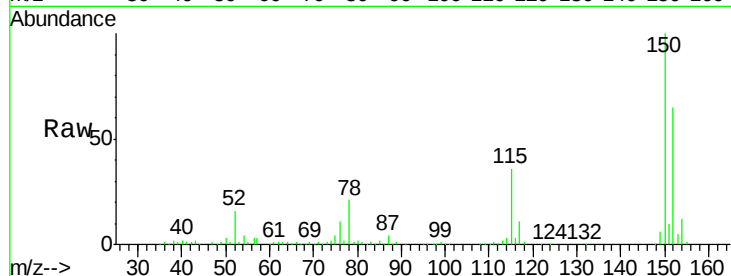
Tgt Ion:152 Resp: 190487

Ion Ratio Lower Upper

152 100

150 154.3 123.0 184.4

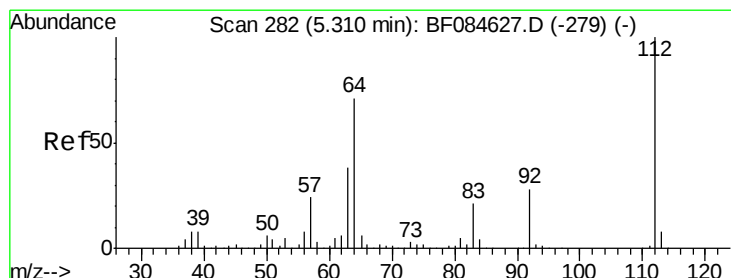
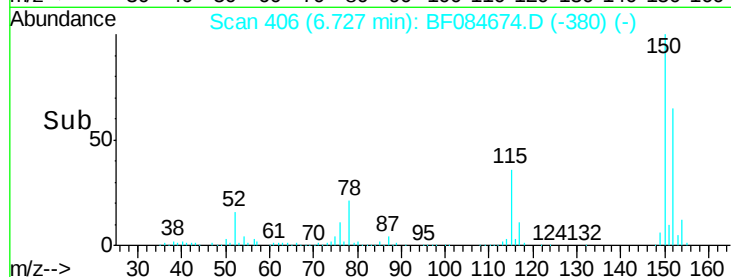
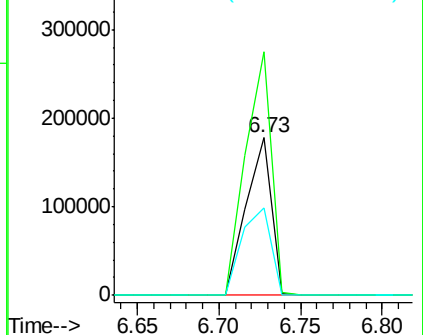
115 55.3 51.4 77.2



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: 113.72 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

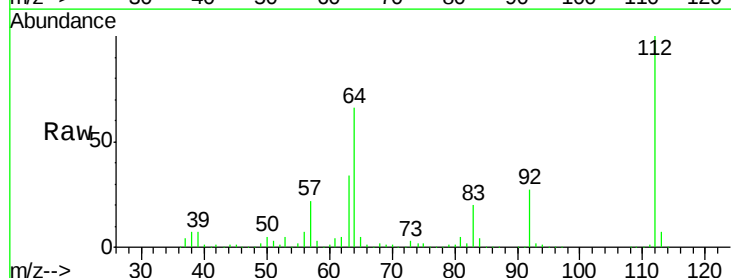
Tgt Ion:112 Resp: 1435085

Ion Ratio Lower Upper

112 100

64 65.6 36.6 55.0#

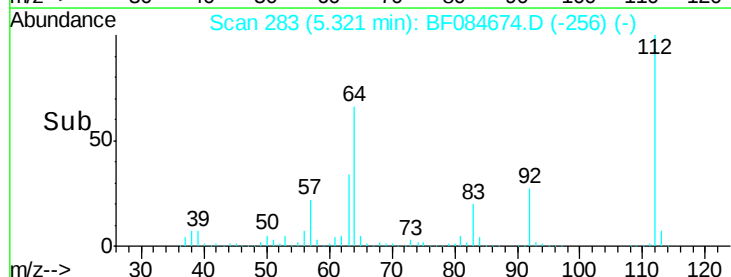
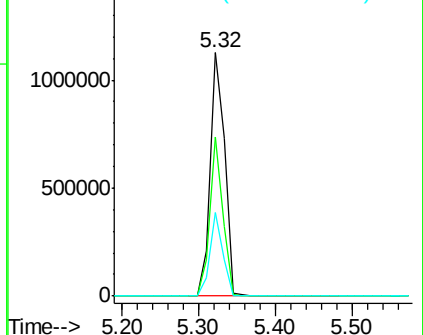
63 34.3 19.4 29.0#

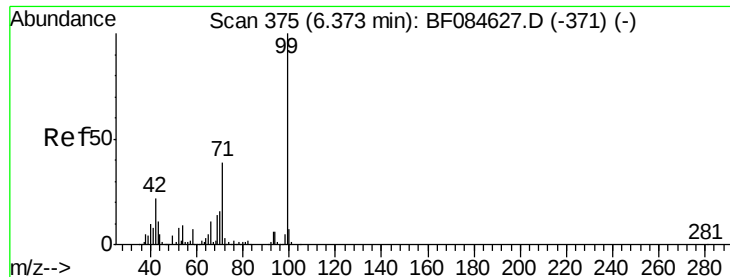


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.14 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

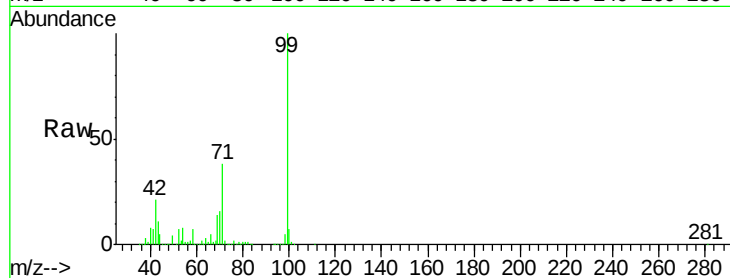
Tgt Ion: 99 Resp: 1680993

Ion Ratio Lower Upper

99 100

42 20.6 12.8 19.2#

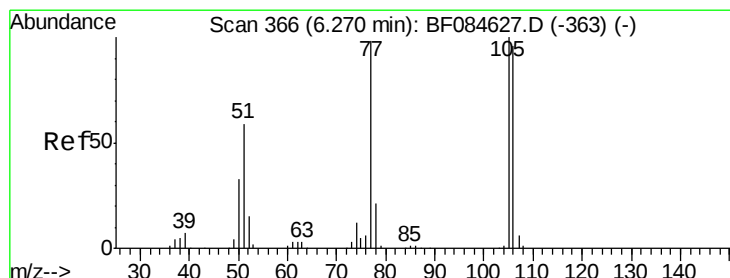
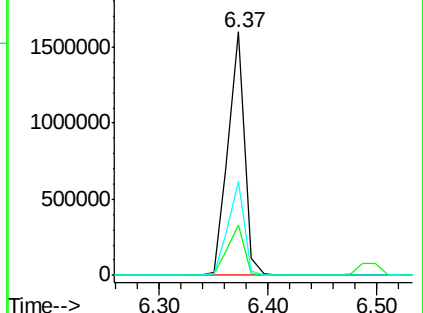
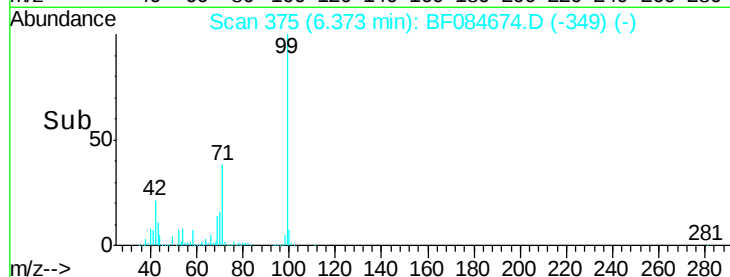
71 38.4 30.9 46.3



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: 4.36 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.23 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

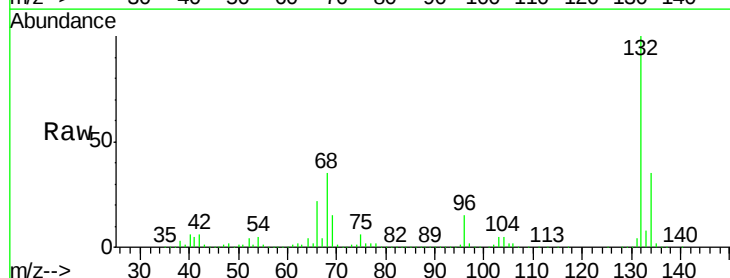
Tgt Ion: 77 Resp: 38163

Ion Ratio Lower Upper

77 100

105 87.3 83.0 123.0

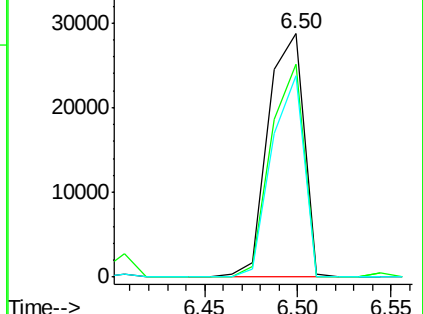
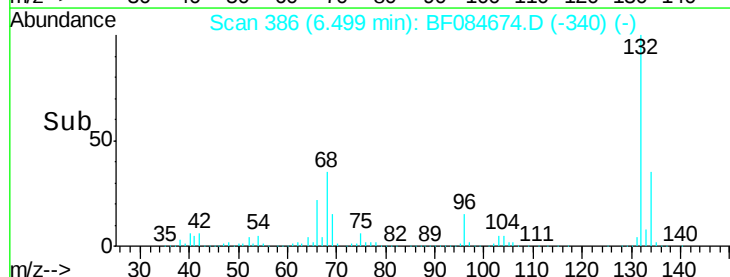
106 82.7 74.6 114.6

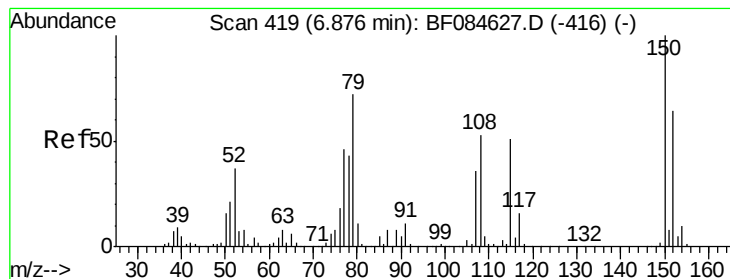


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

Instrument :

BNA_F

ClientSampleId :

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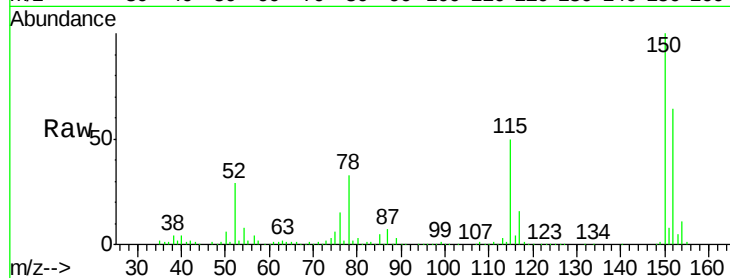
Tgt Ion: 79 Resp: 21071

Ion Ratio Lower Upper

79 100

108 26.1 69.0 103.4#

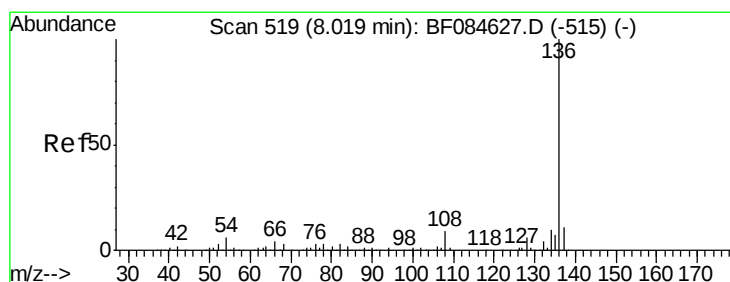
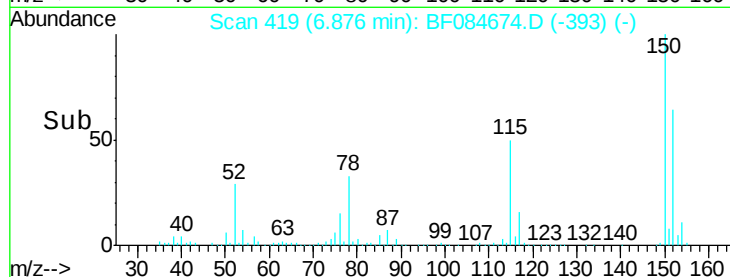
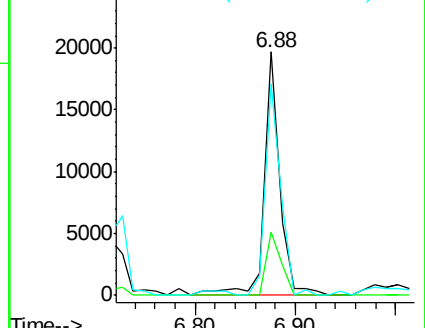
77 86.8 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

Tgt Ion: 136 Resp: 761502

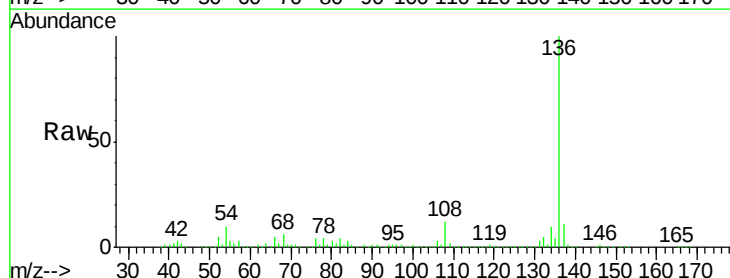
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 9.9 5.8 8.8#

68 5.7 4.2 6.2

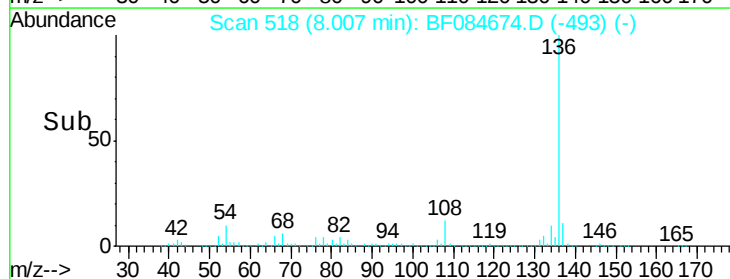
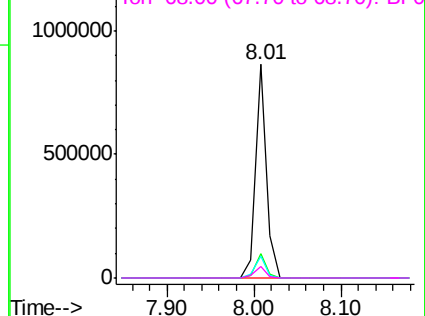


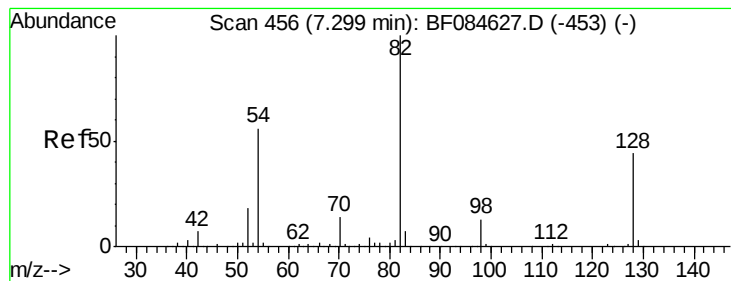
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 86.87 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

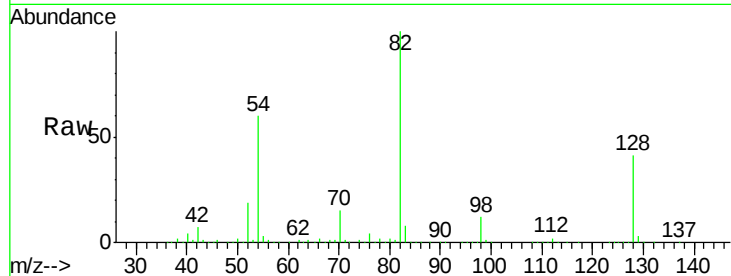
Tgt Ion: 82 Resp: 1183665

Ion Ratio Lower Upper

82 100

128 40.5 34.6 51.8

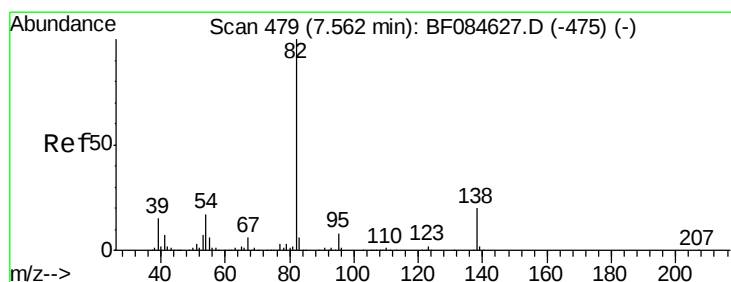
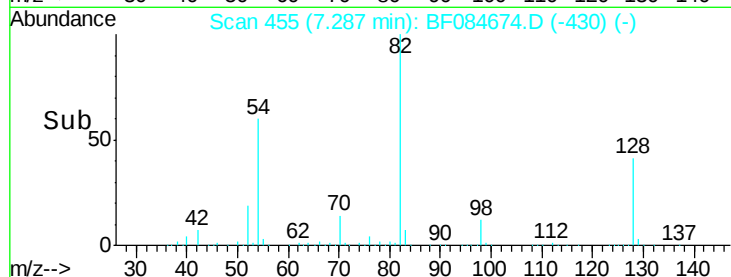
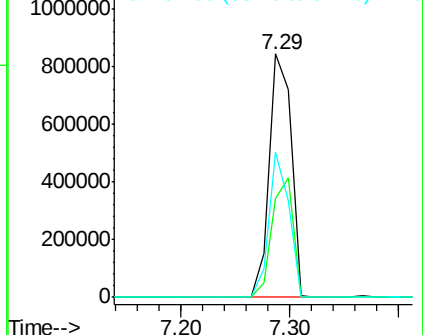
54 59.7 38.4 57.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 42.07 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

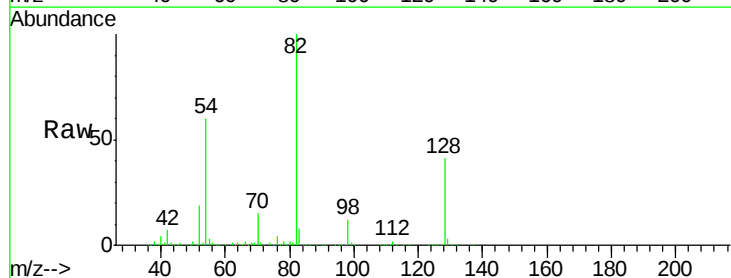
Tgt Ion: 82 Resp: 1073850

Ion Ratio Lower Upper

82 100

95 0.3 6.6 10.0#

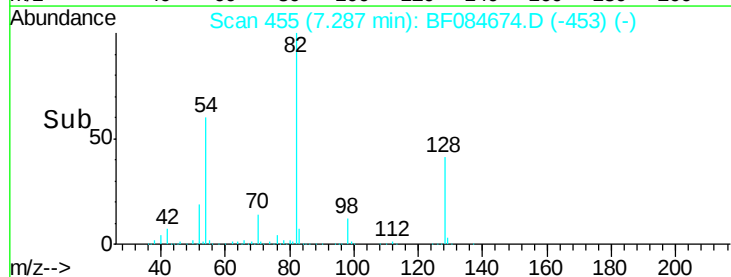
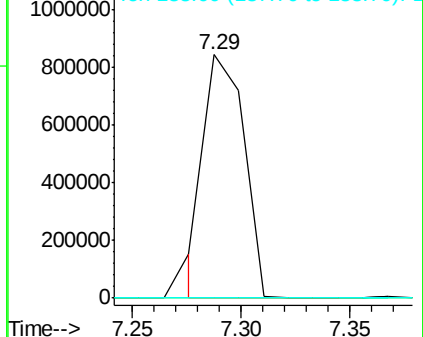
138 0.0 13.6 20.4#

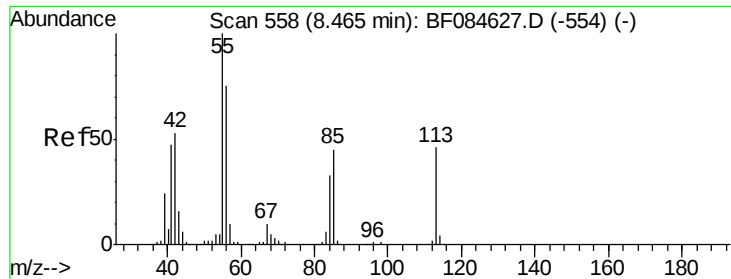


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

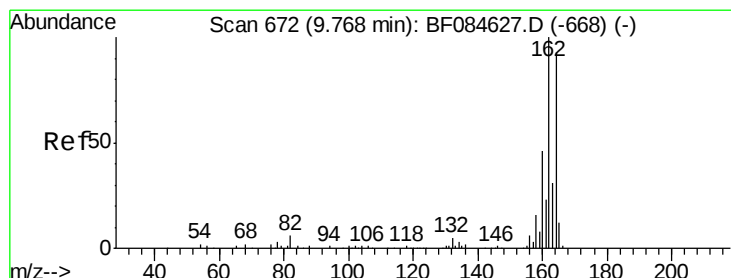
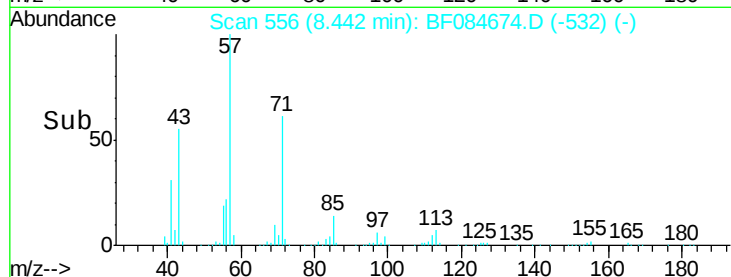
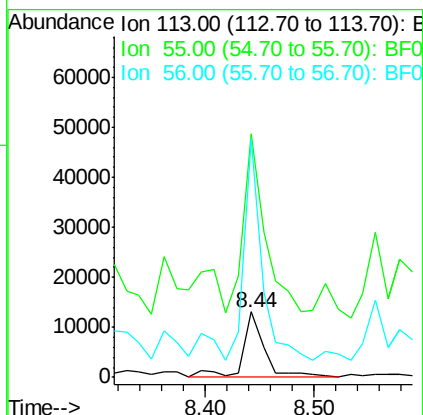
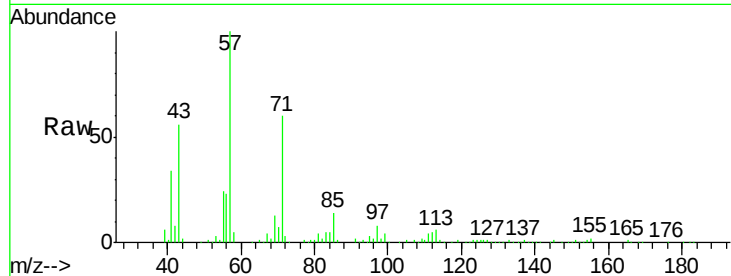




#35
 Caprolactam
 Concen: 5.92 ng
 RT: 8.44 min Scan# 556
 Delta R.T. -0.02 min
 Lab File: BF084674.D
 Acq: 30 Jan 2016 9:46

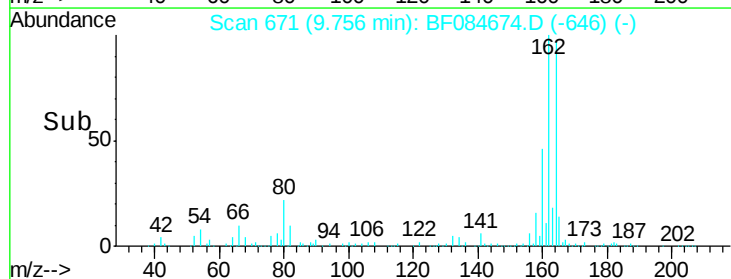
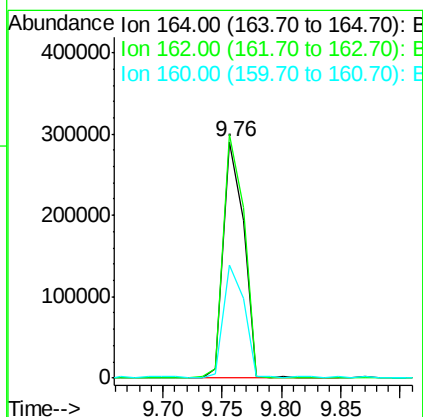
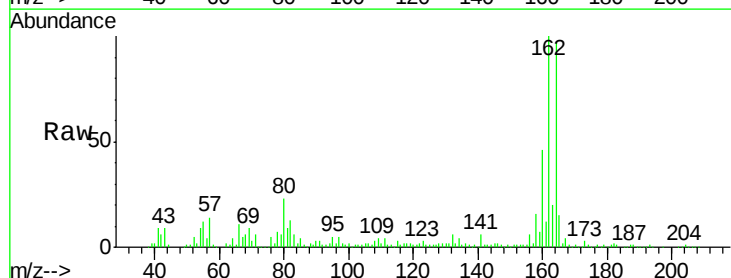
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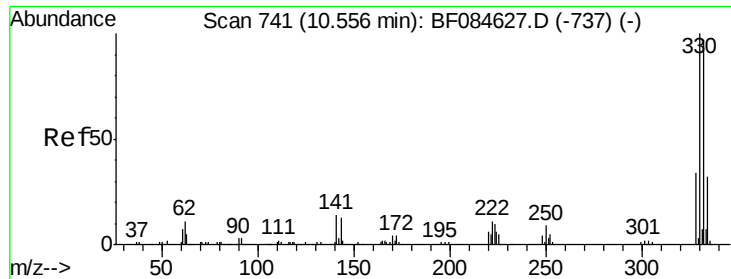
Tgt Ion:113 Resp: 17940
 Ion Ratio Lower Upper
 113 100
 55 370.8 116.9 156.9#
 56 363.7 93.8 133.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.01 min
 Lab File: BF084674.D
 Acq: 30 Jan 2016 9:46

Tgt Ion:164 Resp: 340963
 Ion Ratio Lower Upper
 164 100
 162 103.0 85.1 127.7
 160 47.6 37.5 56.3

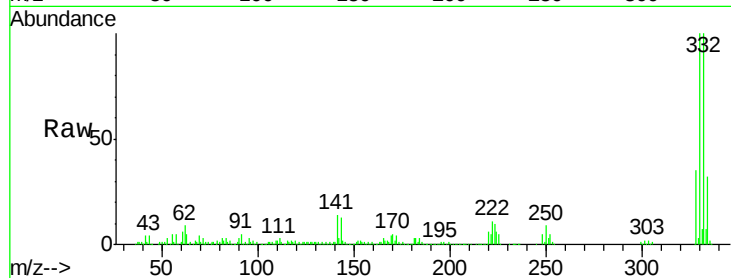




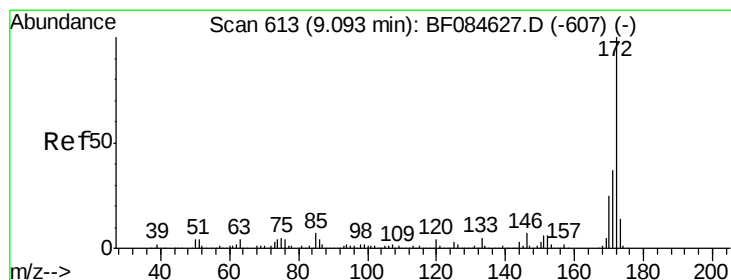
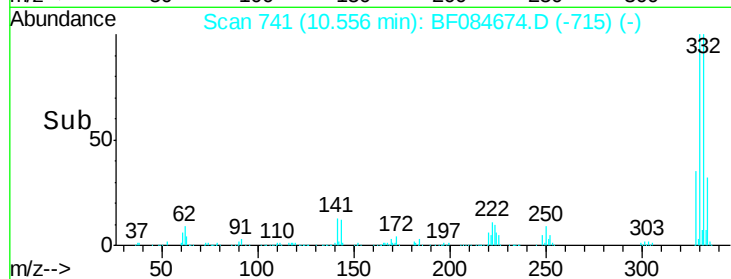
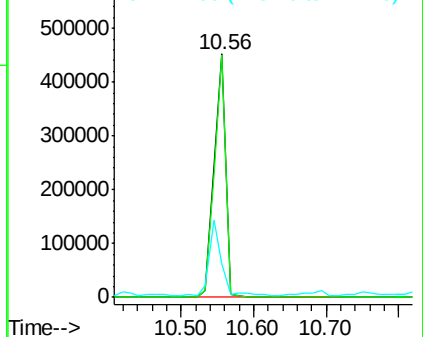
#41
 2,4,6-Tribromophenol
 Concen: 139.89 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF084674.D
 Acq: 30 Jan 2016 9:46

Instrument :
 BNA_F
 ClientSampleId :
 DUPLICATE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	31.8	27.8	41.6

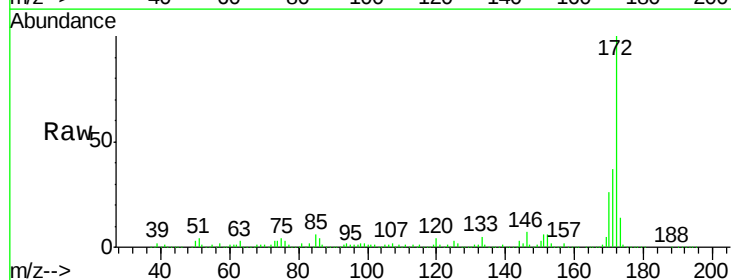


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

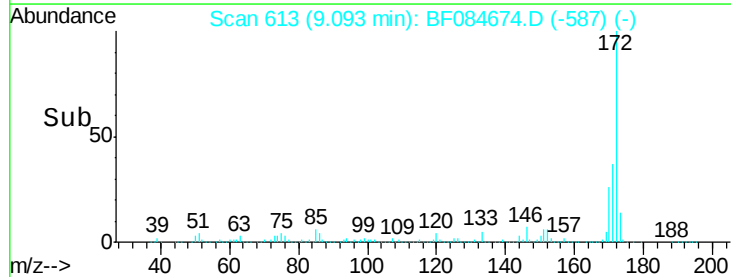
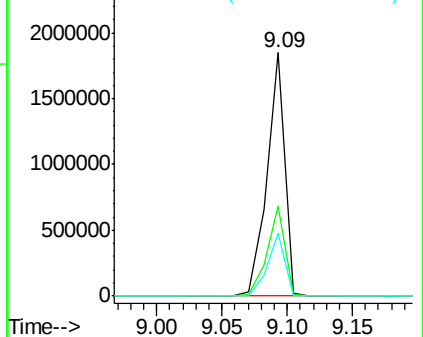


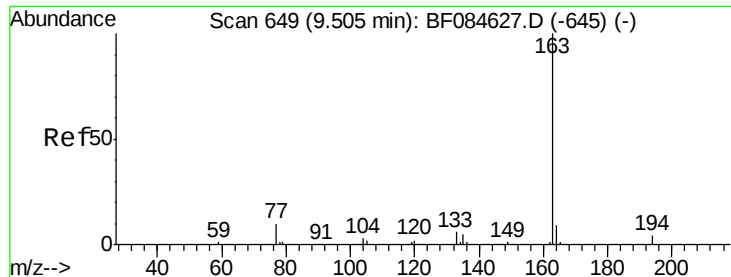
#44
 2-Fluorobiphenyl
 Concen: 76.92 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084674.D
 Acq: 30 Jan 2016 9:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.9	43.3
170	25.7	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

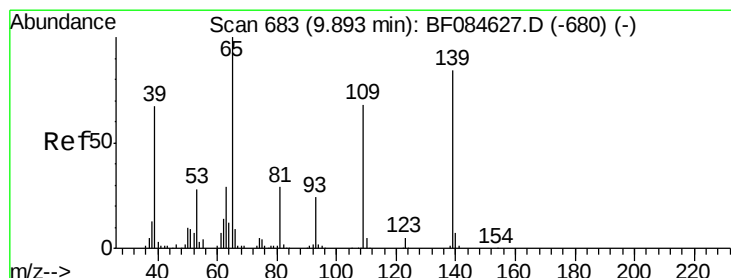
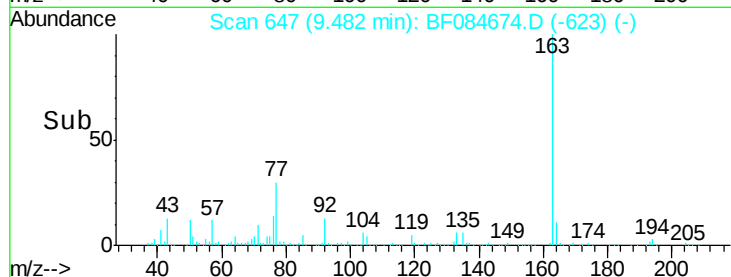
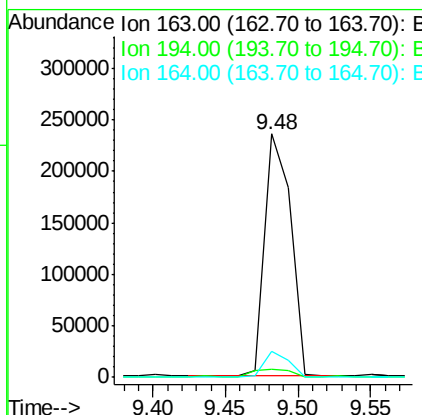
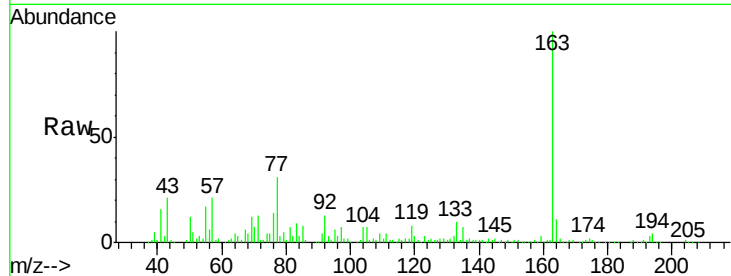




#49
Dimethylphthalate
Concen: 11.40 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF084674.D
Acq: 30 Jan 2016 9:46

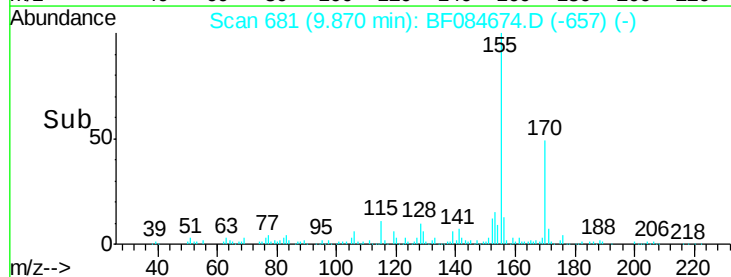
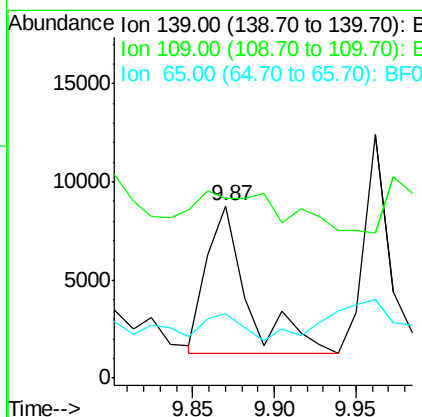
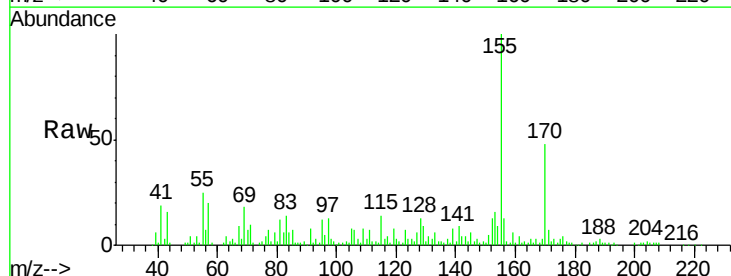
Instrument :
BNA_F
ClientSampleId :
DUPLICATE

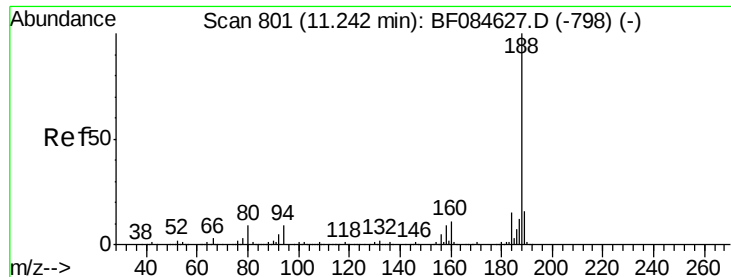
Tgt Ion:163 Resp: 291759
Ion Ratio Lower Upper
163 100
194 3.6 8.0 12.0#
164 10.9 8.0 12.0



#55
4-Nitrophenol
Concen: 3.08 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF084674.D
Acq: 30 Jan 2016 9:46

Tgt Ion:139 Resp: 13313
Ion Ratio Lower Upper
139 100
109 104.4 58.5 98.5#
65 37.2 57.6 97.6#

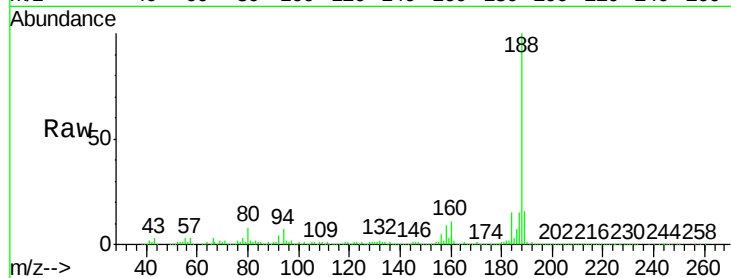




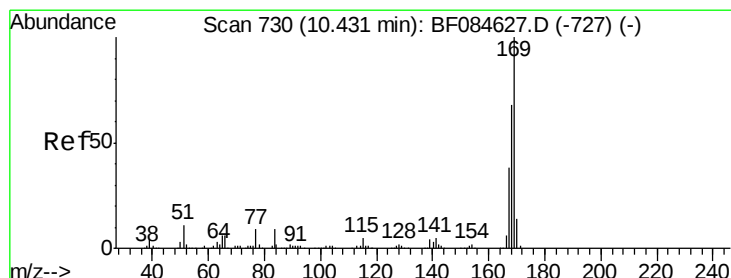
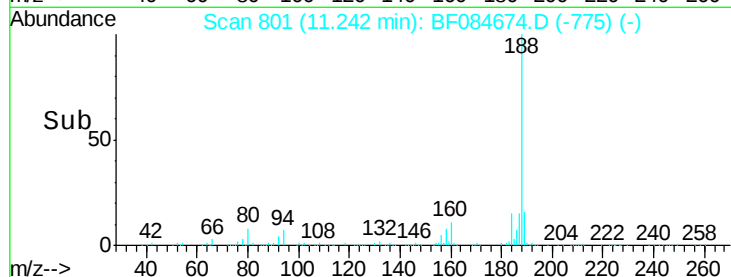
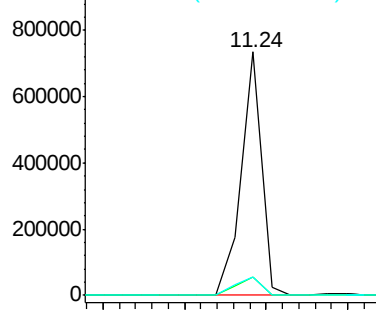
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084674.D
Acq: 30 Jan 2016 9:46

Instrument :
BNA_F
ClientSampleId :
DUPLICATE

Tgt Ion:188 Resp: 641506
Ion Ratio Lower Upper
188 100
94 7.4 9.0 13.4#
80 7.8 9.6 14.4#

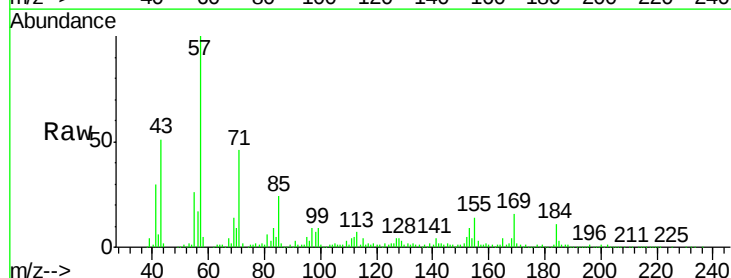


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

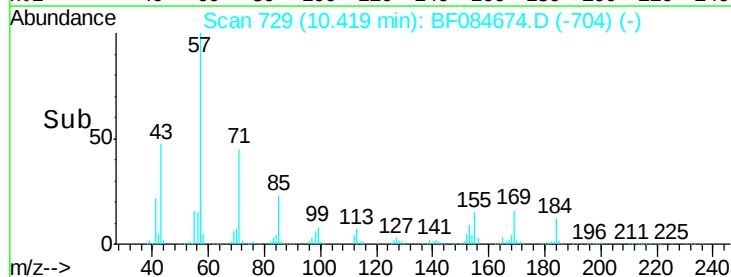
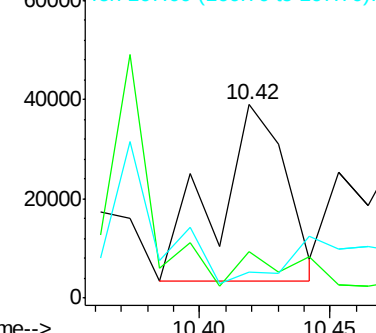


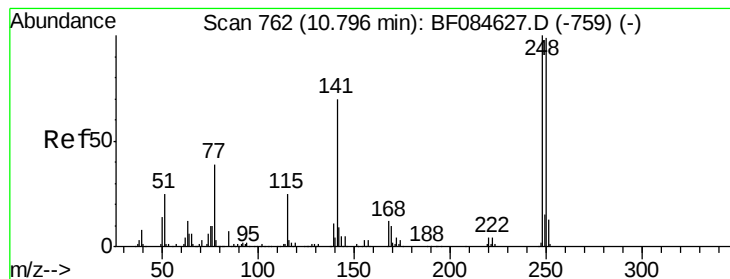
#65
n-Nitrosodiphenylamine
Concen: 3.17 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF084674.D
Acq: 30 Jan 2016 9:46

Tgt Ion:169 Resp: 66038
Ion Ratio Lower Upper
169 100
168 24.3 55.1 82.7#
167 13.5 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.14 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.24 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

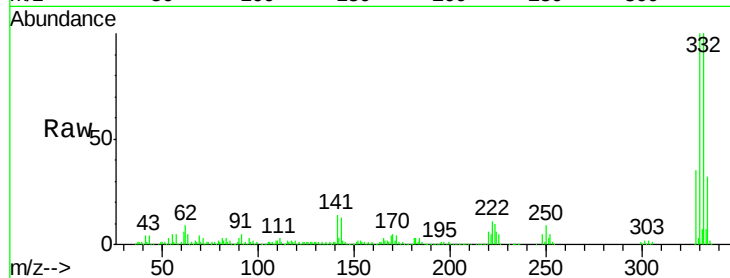
Tgt Ion:248 Resp: 29891

Ion Ratio Lower Upper

248 100

250 194.7 78.4 117.6#

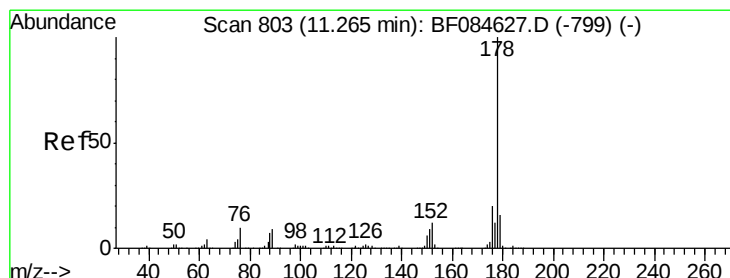
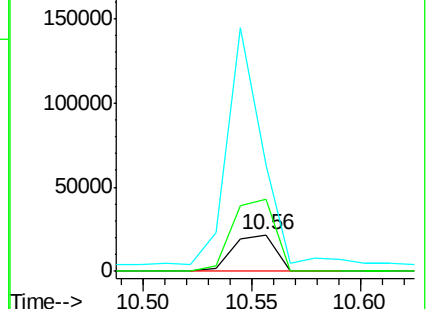
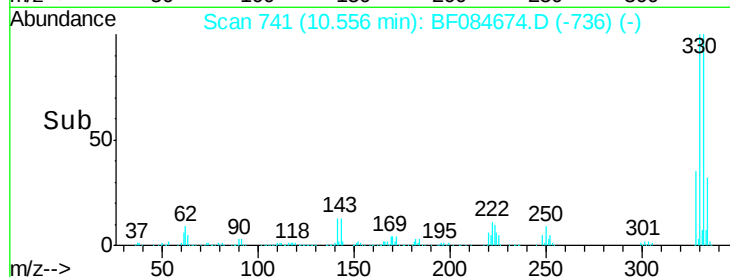
141 289.2 44.0 66.0#



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



#70

Phenanthrene

Concen: 2.19 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

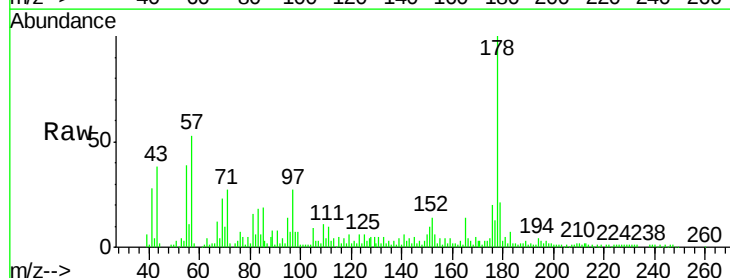
Tgt Ion:178 Resp: 77669

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

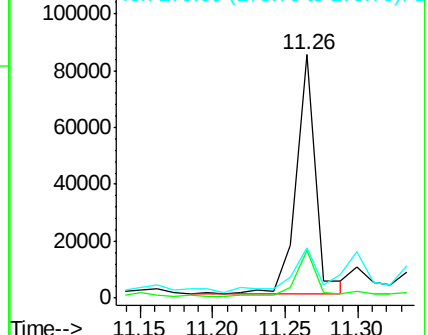
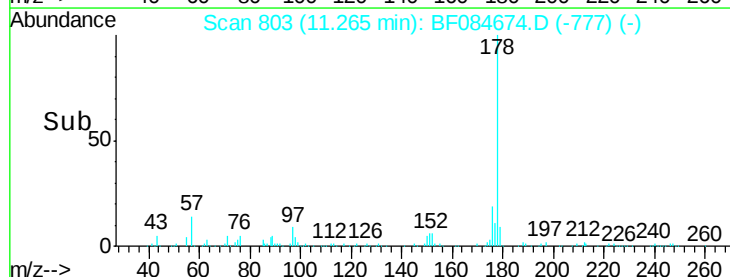
179 20.6 12.0 18.0#

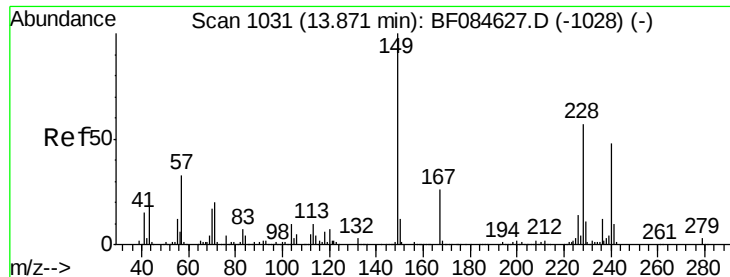


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

Instrument :

BNA_F

ClientSampleId :

DUPLICATE

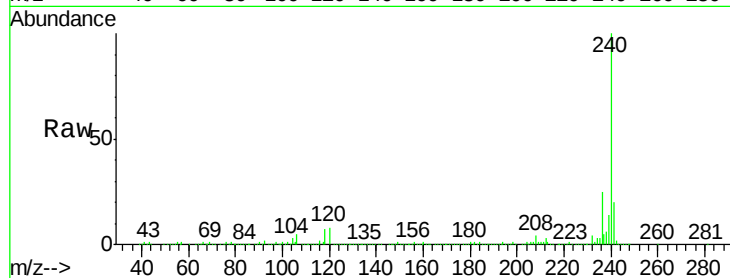
Tgt Ion:240 Resp: 453720

Ion Ratio Lower Upper

240 100

120 7.6 9.5 14.3#

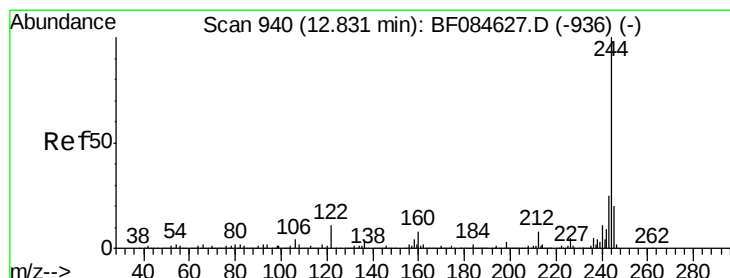
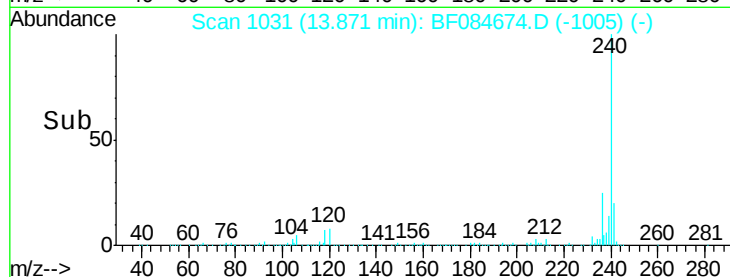
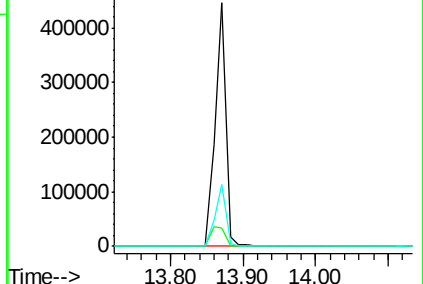
236 25.3 20.6 31.0



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: 80.34 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084674.D

Acq: 30 Jan 2016 9:46

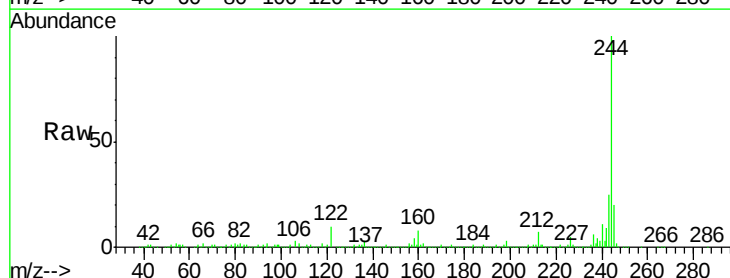
Tgt Ion:244 Resp: 1613973

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

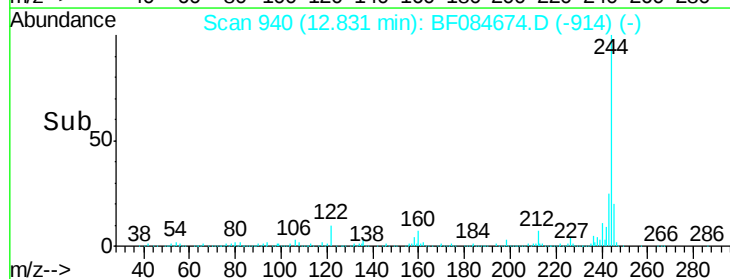
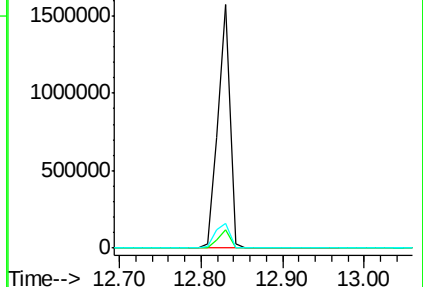
122 10.1 7.4 11.0

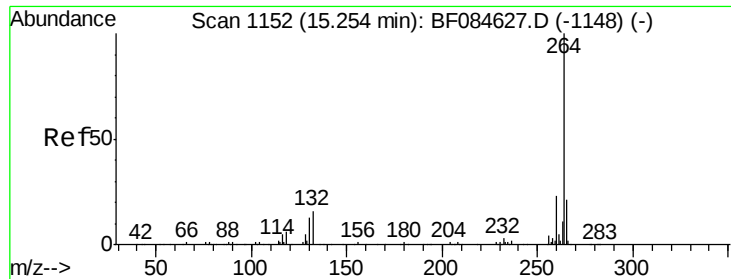


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.25 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF084674.D
Acq: 30 Jan 2016 9:46

Instrument :
BNA_F
ClientSampleId :
DUPLICATE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.2	17.8	26.6

