

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052316\
 Data File : BF087317.D
 Acq On : 24 May 2016 00:32
 Operator : UM/SJ
 Sample : PB90819BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90819BL

Quant Time: May 24 01:58:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 01:40:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	127147	20.00	ng	0.00
21) Naphthalene-d8	9.64	136	527593	20.00	ng	0.00
38) Acenaphthene-d10	12.47	164	252372	20.00	ng	-0.01
63) Phenanthrene-d10	14.88	188	512429	20.00	ng	0.00
75) Chrysene-d12	18.56	240	430553	20.00	ng	0.00
86) Perylene-d12	20.22	264	340160	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	916745	126.69	ng	0.01
7) Phenol-d6	7.14	99	1229414	125.74	ng	-0.02
23) Nitrobenzene-d5	8.52	82	833311	79.60	ng	-0.01
41) 2,4,6-Tribromophenol	13.77	330	308270	127.11	ng	-0.01
44) 2-Fluorobiphenyl	11.42	172	1421873	79.43	ng	-0.01
78) Terphenyl-d14	17.21	244	1479398	73.05	ng	-0.01

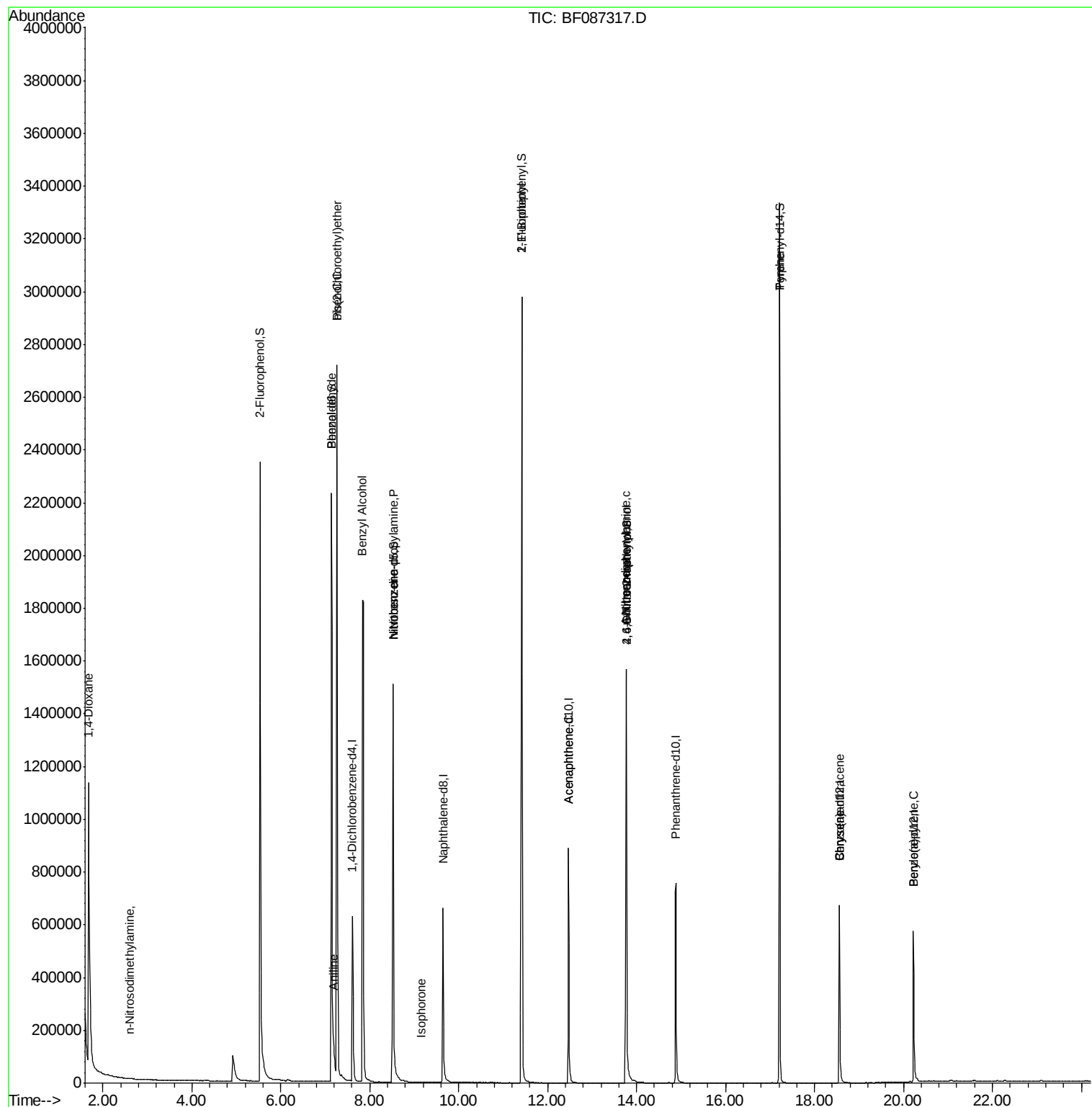
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.68	88	37096	9.72	ng	# 22
4) n-Nitrosodimethylamine	2.60	42	128	0.02	ng	# 1
6) Aniline	7.18	93	238	0.02	ng	# 1
9) Benzaldehyde	7.14	77	1602	0.30	ng	# 4
10) Phenol	7.27	94	2108	0.20	ng	# 1
11) bis(2-Chloroethyl)ether	7.27	93	1226	0.14	ng	# 1
15) Benzyl Alcohol	7.84	79	14451	2.03	ng	# 44
19) n-Nitroso-di-n-propylamine	8.52	70	110565	15.16	ng	# 78
24) Nitrobenzene	8.52	77	2291	0.21	ng	# 38
25) Isophorone	9.15	82	237	0.01	ng	# 68
45) 1,1'-Biphenyl	11.42	154	2769	0.13	ng	# 1
51) Acenaphthene	12.47	154	748	0.05	ng	# 5
62) Azobenzene	13.76	77	1685	0.08	ng	# 1
64) 4,6-Dinitro-2-methylphenol	13.77	198	729	0.22	ng	# 1
65) n-Nitrosodiphenylamine	13.76	169	10337	0.62	ng	# 50
77) Pyrene	17.21	202	5171	0.17	ng	# 72
80) Benzo(a)anthracene	18.56	228	745	0.03	ng	# 50
82) Chrysene	18.56	228	745	0.03	ng	# 49
89) Benzo(a)pyrene	20.22	252	911	0.05	ng	# 60

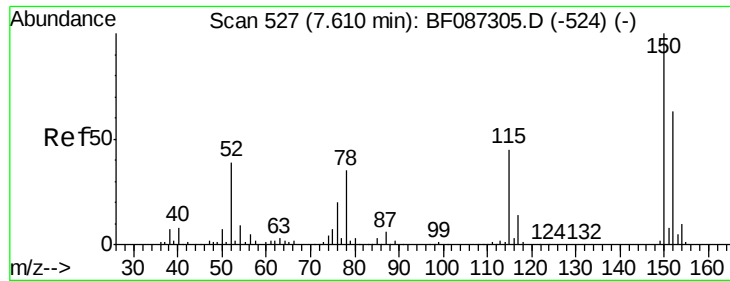
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.61 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

Instrument :

BNA_F

ClientSampleId :

PB90819BL

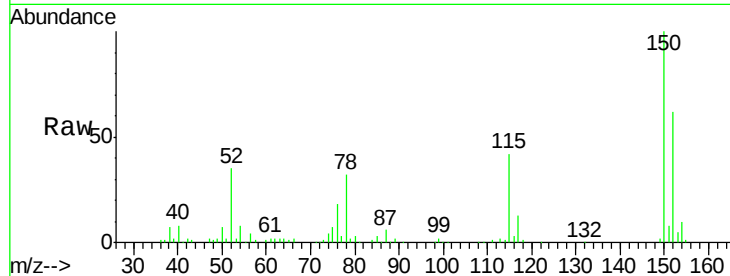
Tgt Ion: 152 Resp: 127147

Ion Ratio Lower Upper

152 100

150 161.4 125.8 188.6

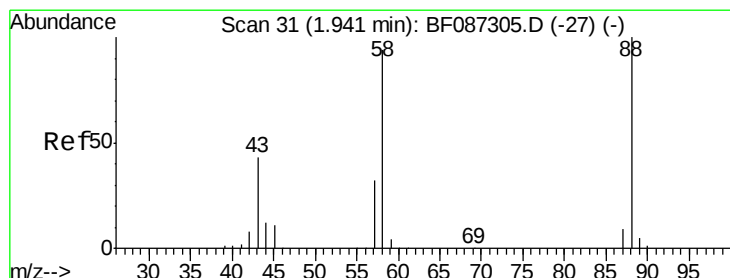
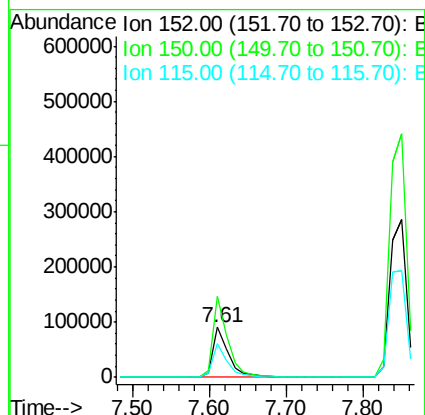
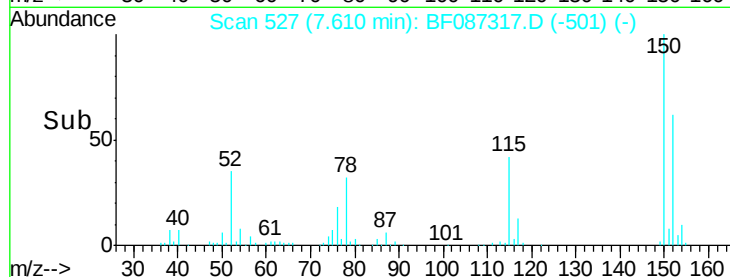
115 67.9 51.5 77.3



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



#2

1,4-Dioxane

Concen: 9.72 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.26 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

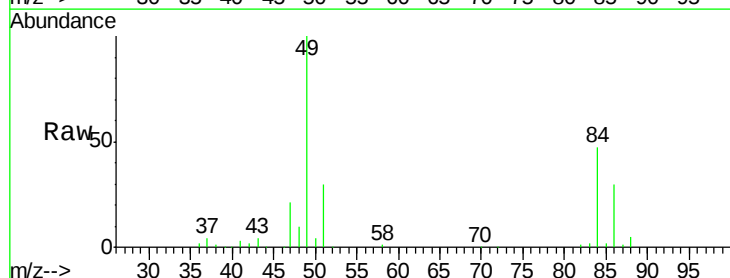
Tgt Ion: 88 Resp: 37096

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

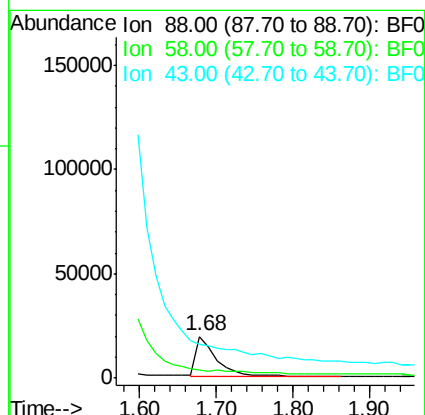
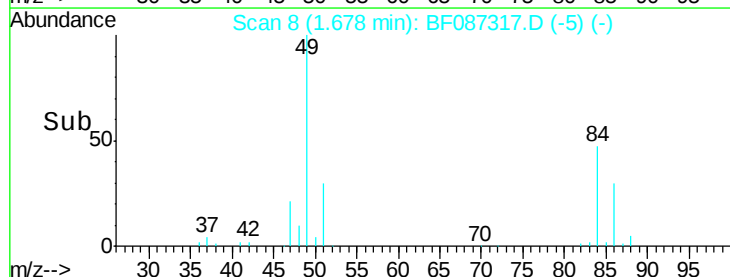
43 0.0 21.8 32.6#

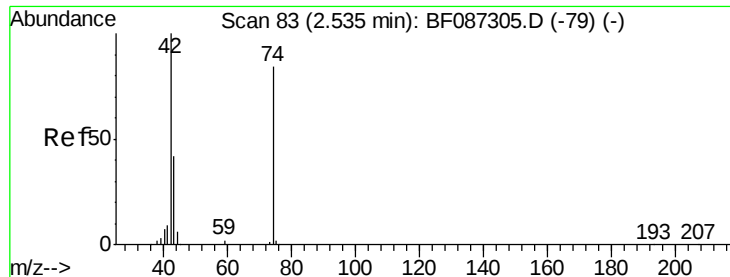


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 2.60 min Scan# 89

Delta R.T. 0.07 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

Instrument :

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ClientSampleId :

PB90819BL

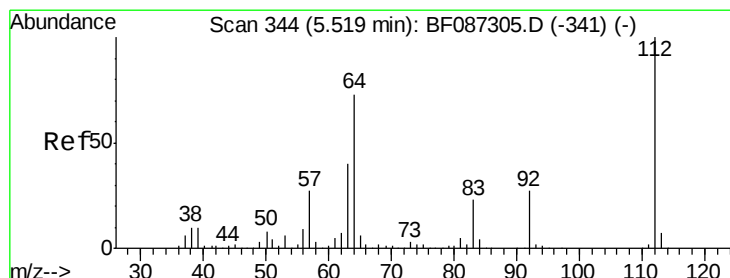
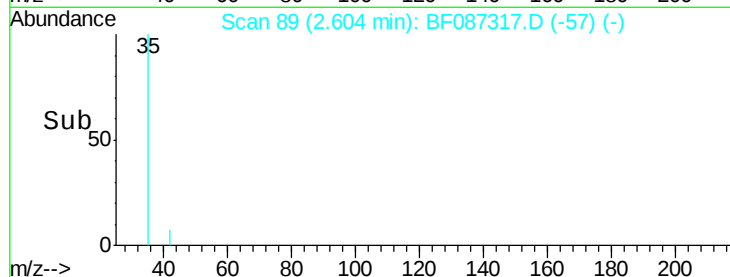
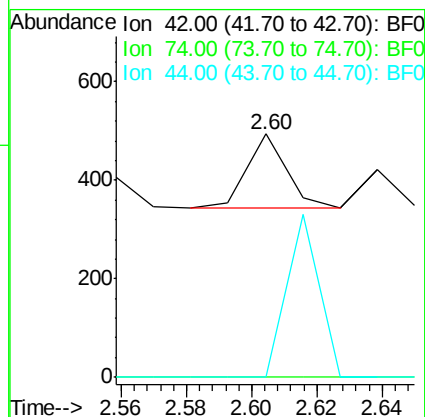
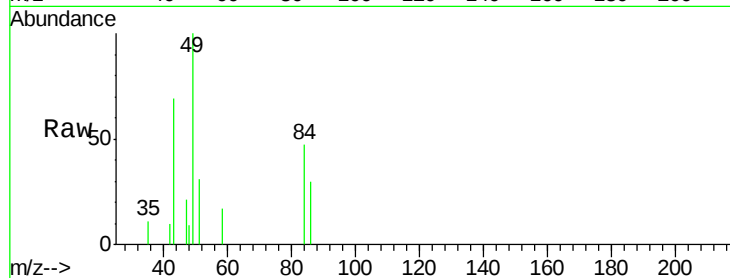
Tgt Ion: 42 Resp: 128

Ion Ratio Lower Upper

42 100

74 0.0 123.4 185.0#

44 0.0 5.8 8.6#



#5

2-Fluorophenol

Concen: 126.69 ng

RT: 5.53 min Scan# 345

Delta R.T. 0.01 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

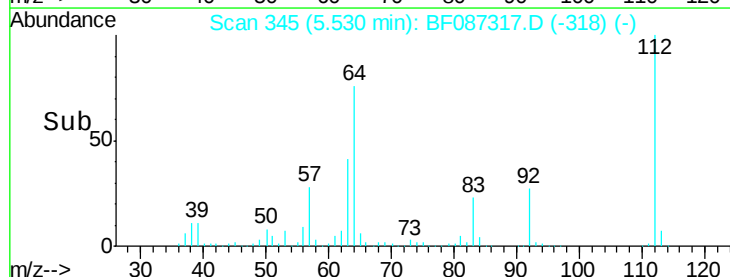
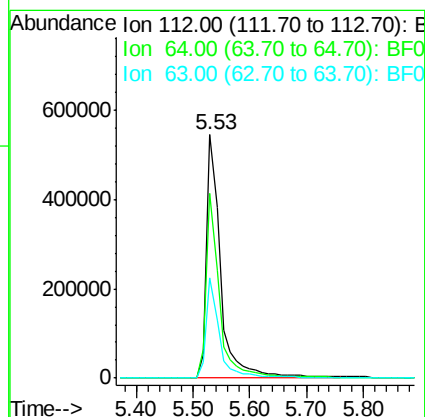
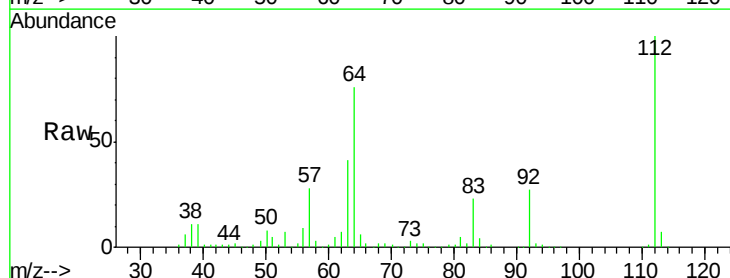
Tgt Ion: 112 Resp: 916745

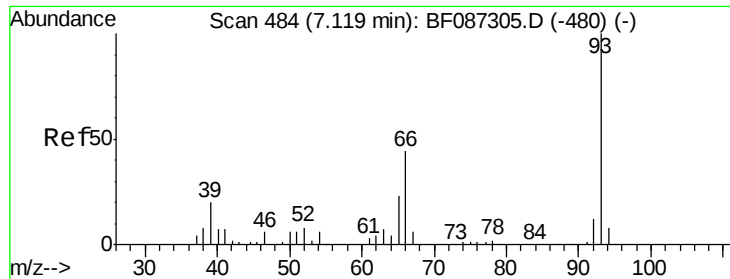
Ion Ratio Lower Upper

112 100

64 75.8 52.1 78.1

63 41.4 25.7 38.5#





#6

Aniline

Concen: 0.02 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.06 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

Instrument :

BNA_F

ClientSampleId :

PB90819BL

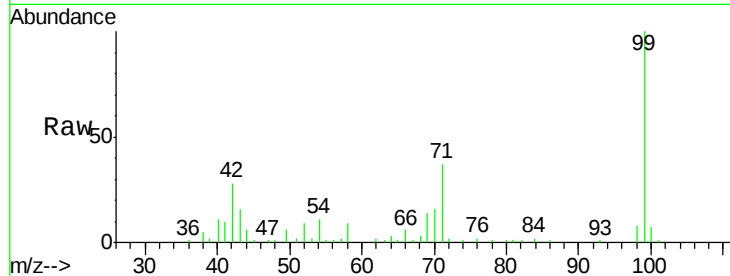
Tgt Ion: 93 Resp: 238

Ion Ratio Lower Upper

93 100

66 981.3 39.0 58.6#

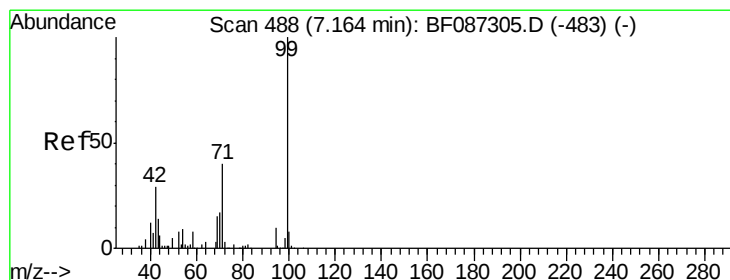
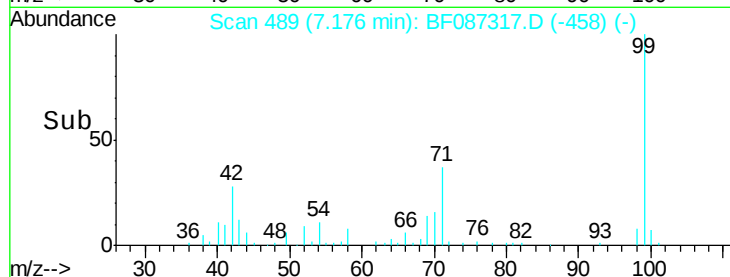
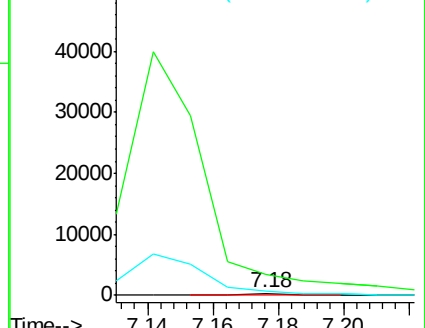
65 171.5 20.6 31.0#



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: 125.74 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.02 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

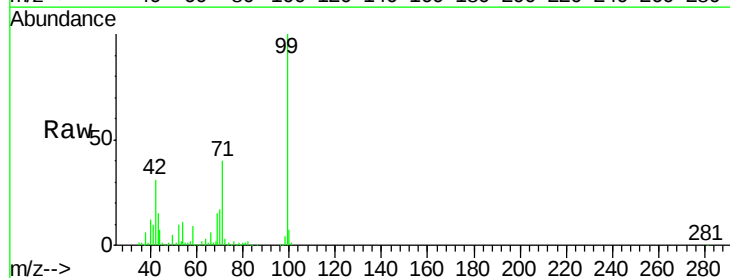
Tgt Ion: 99 Resp: 1229414

Ion Ratio Lower Upper

99 100

42 30.7 13.6 20.4#

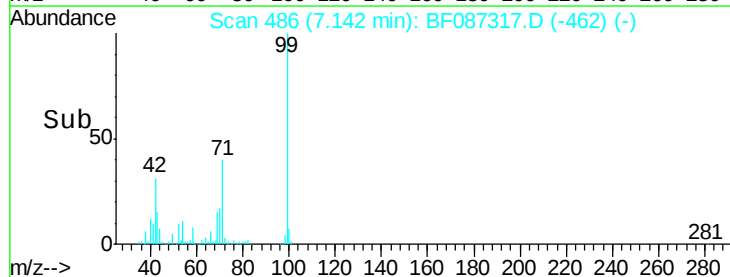
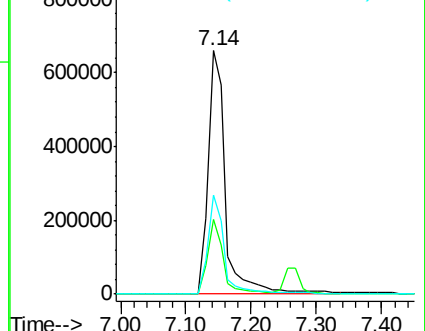
71 40.4 24.6 36.8#

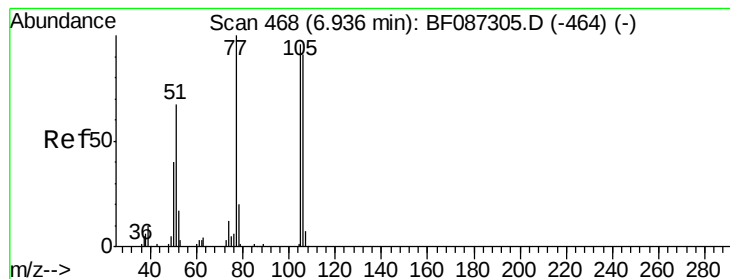


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.30 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.21 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

Instrument :

BNA_F

ClientSampleId :

PB90819BL

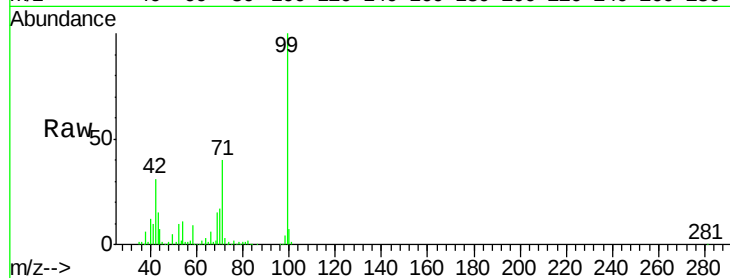
Tgt Ion: 77 Resp: 1602

Ion Ratio Lower Upper

77 100

105 0.0 72.7 112.7#

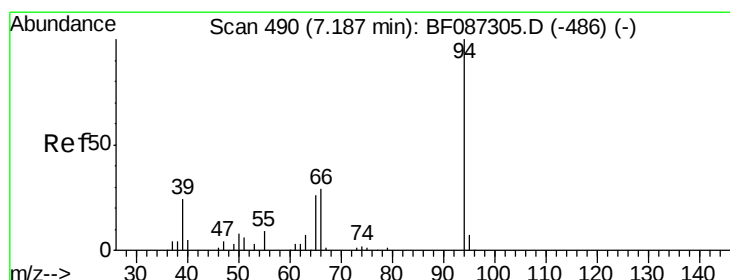
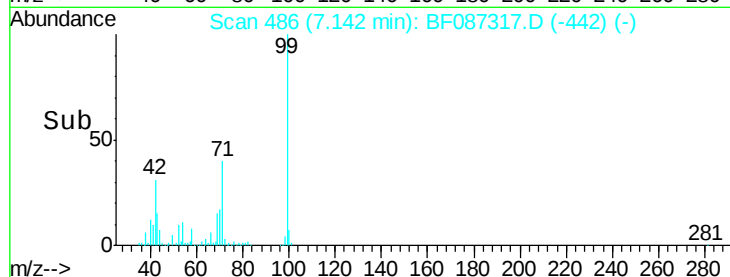
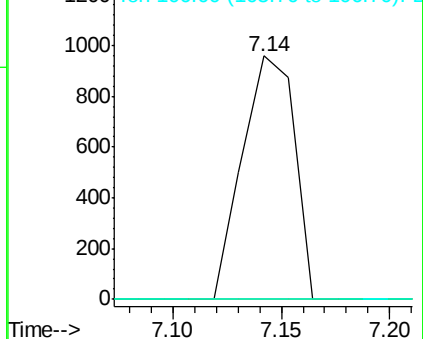
106 0.0 70.8 110.8#



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



#10

Phenol

Concen: 0.20 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.08 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

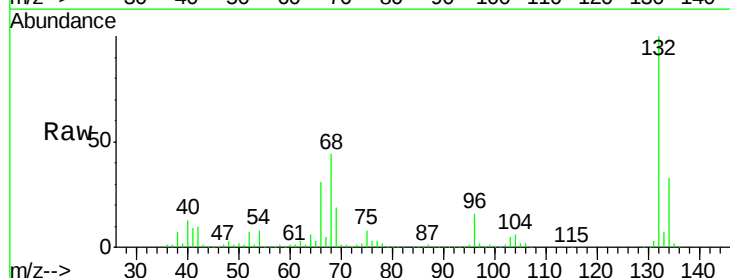
Tgt Ion: 94 Resp: 2108

Ion Ratio Lower Upper

94 100

65 1284.4 7.2 47.2#

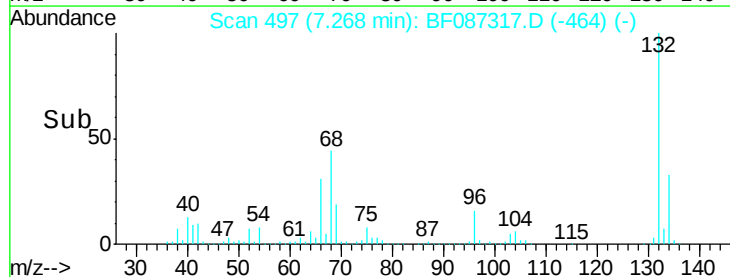
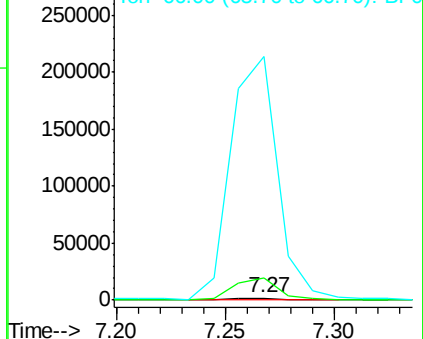
66 14170.8 14.9 54.9#

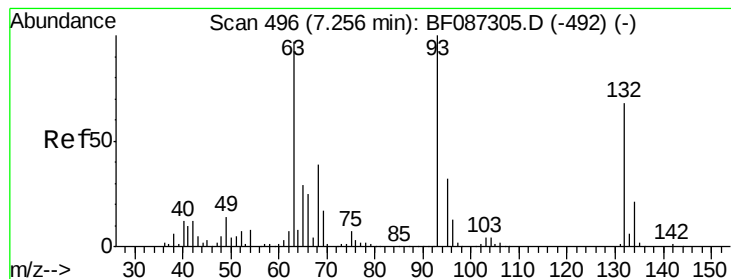


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 0.14 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.01 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

Instrument :

BNA_F

ClientSampleId :

PB90819BL

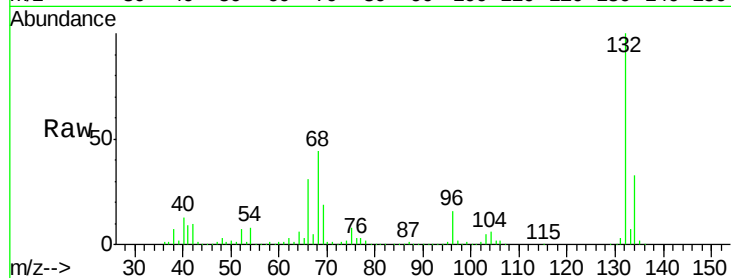
Tgt Ion: 93 Resp: 1226

Ion Ratio Lower Upper

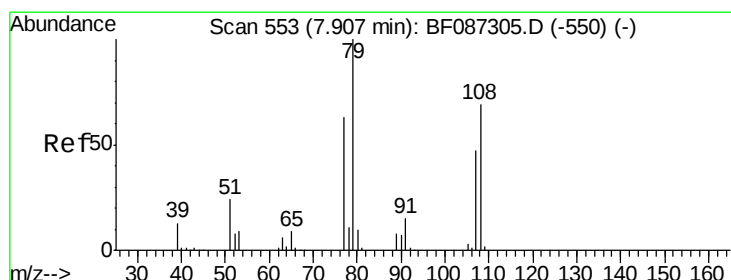
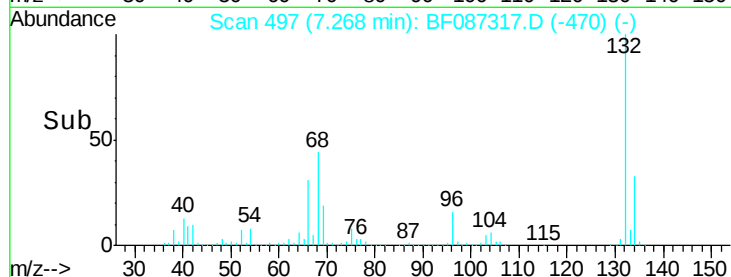
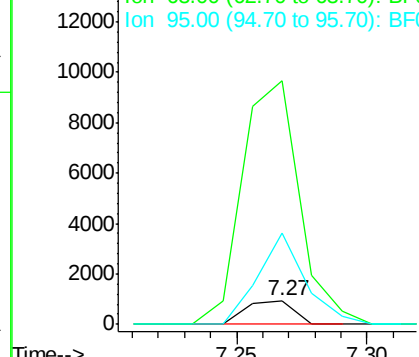
93 100

63 1025.8 58.0 98.0#

95 384.3 11.9 51.9#



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



#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.07 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

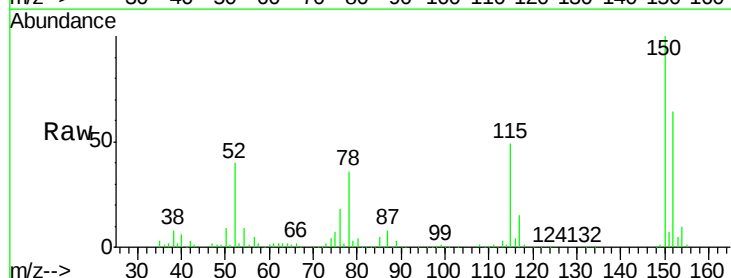
Tgt Ion: 79 Resp: 14451

Ion Ratio Lower Upper

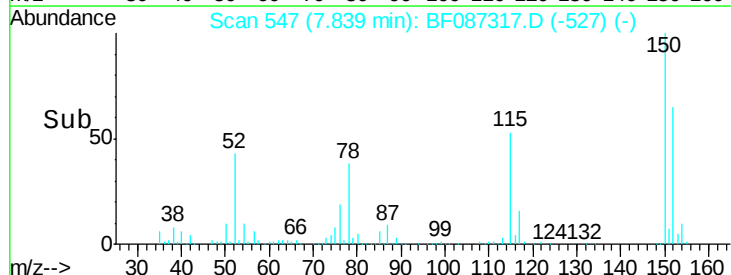
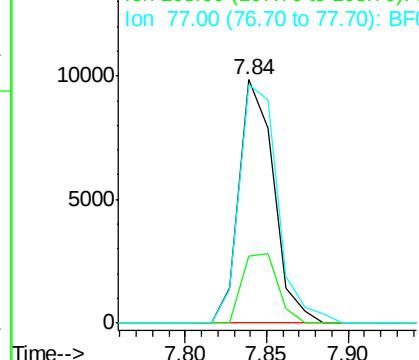
79 100

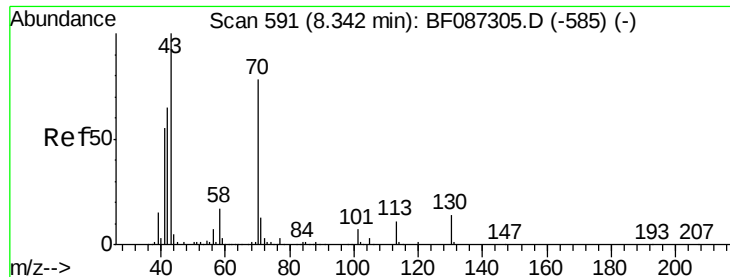
108 27.3 68.4 102.6#

77 98.2 50.6 76.0#



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

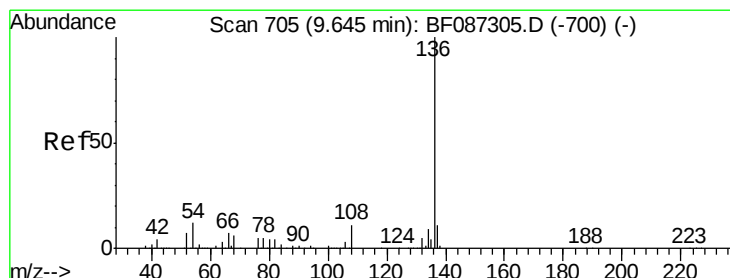
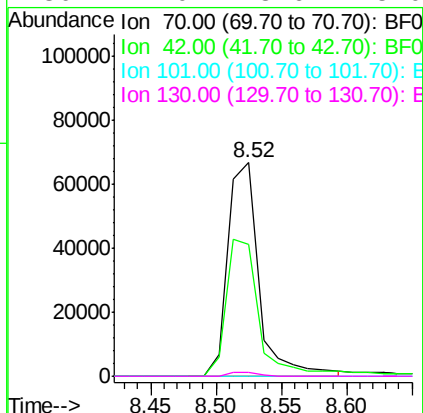
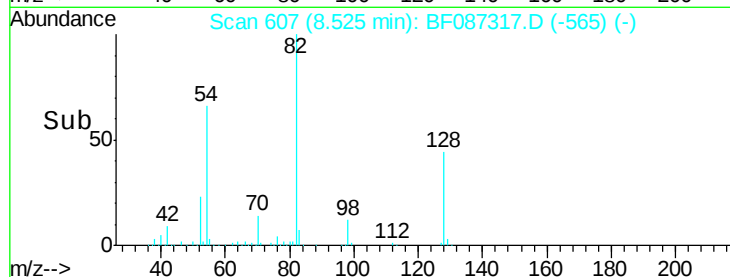
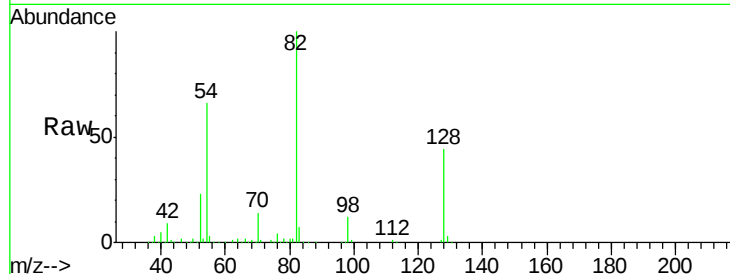




#19
n-Nitroso-di-n-propylamine
Concen: 15.16 ng
RT: 8.52 min Scan# 607
Delta R.T. 0.18 min
Lab File: BF087317.D
Acq: 24 May 2016 00:32

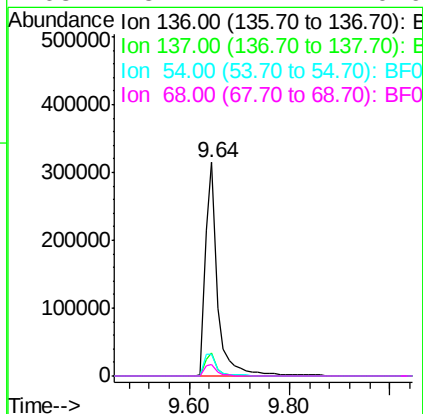
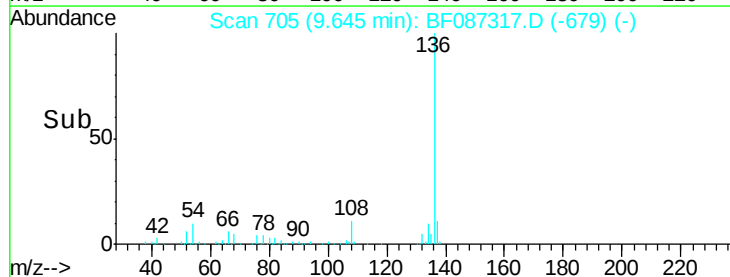
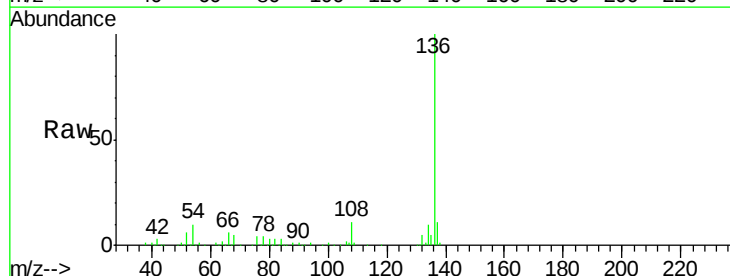
Instrument :
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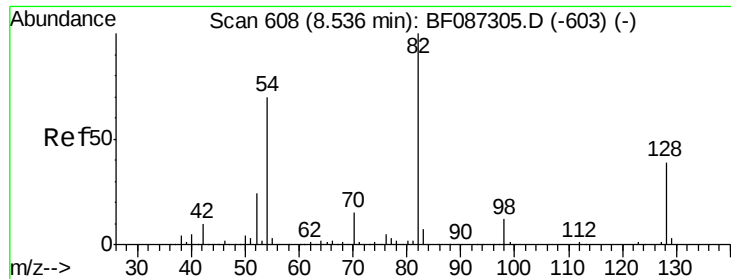
Tgt Ion: 70 Resp: 110565
Ion Ratio Lower Upper
70 100
42 61.7 43.1 64.7
101 0.0 8.1 12.1#
130 2.0 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF087317.D
Acq: 24 May 2016 00:32

Tgt Ion: 136 Resp: 527593
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 10.1 5.0 7.4#
68 5.2 4.4 6.6

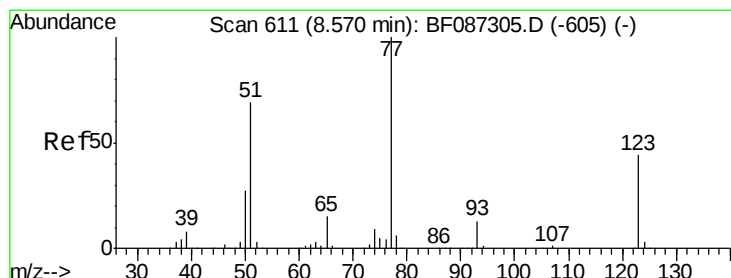
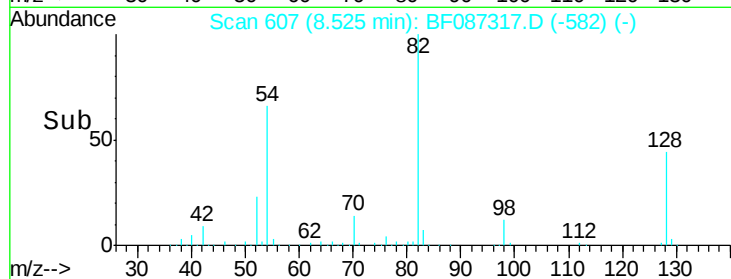
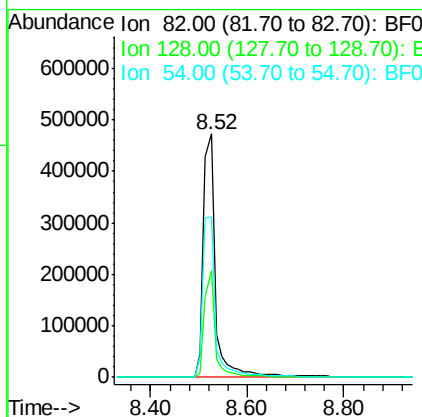
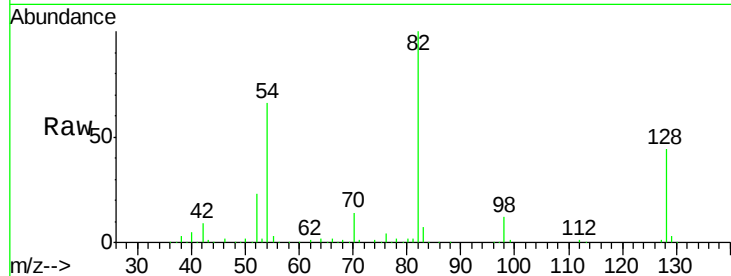




#23
 Nitrobenzene-d5
 Concen: 79.60 ng
 RT: 8.52 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: BF087317.D
 Acq: 24 May 2016 00:32

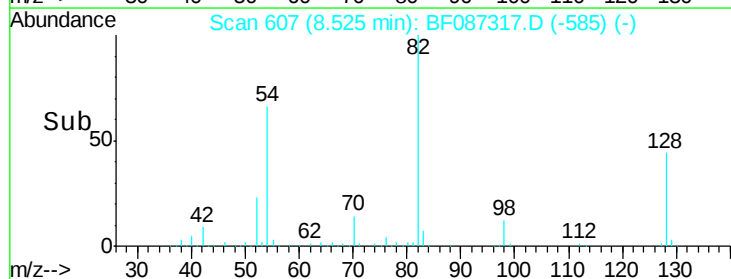
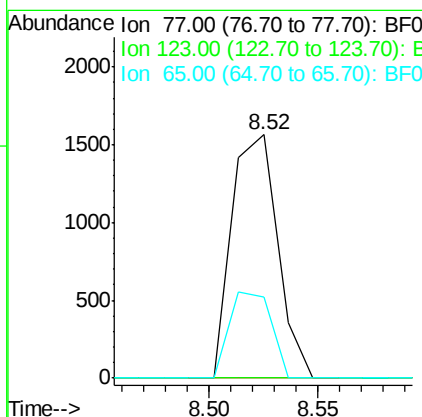
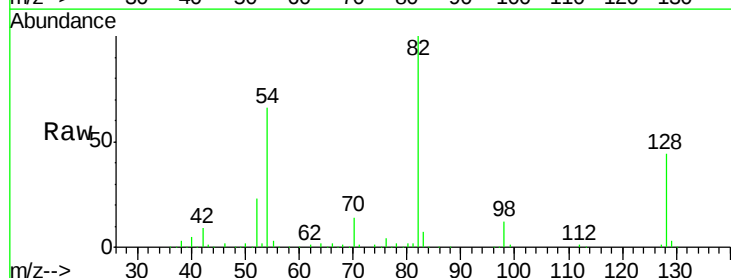
Instrument :
 BNA_F
 ClientSampleId :
 PB90819BL

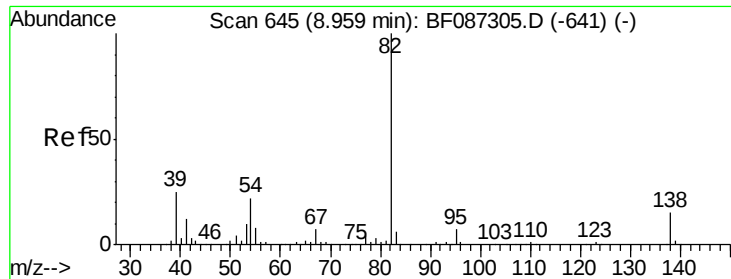
Tgt Ion: 82 Resp: 833311
 Ion Ratio Lower Upper
 82 100
 128 43.7 40.6 61.0
 54 65.8 38.1 57.1#



#24
 Nitrobenzene
 Concen: 0.21 ng
 RT: 8.52 min Scan# 607
 Delta R.T. -0.05 min
 Lab File: BF087317.D
 Acq: 24 May 2016 00:32

Tgt Ion: 77 Resp: 2291
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.4#
 65 33.5 10.8 16.2#





#25

Isophorone

Concen: 0.01 ng

RT: 9.15 min Scan# 662

Delta R.T. 0.19 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

Instrument :

BNA_F

ClientSampleId :

PB90819BL

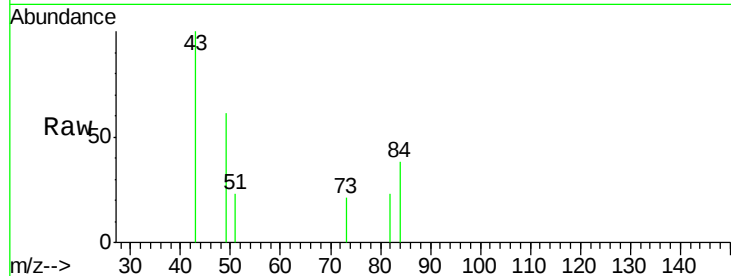
Tgt Ion: 82 Resp: 237

Ion Ratio Lower Upper

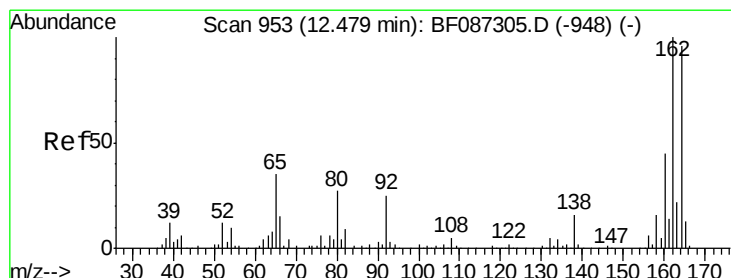
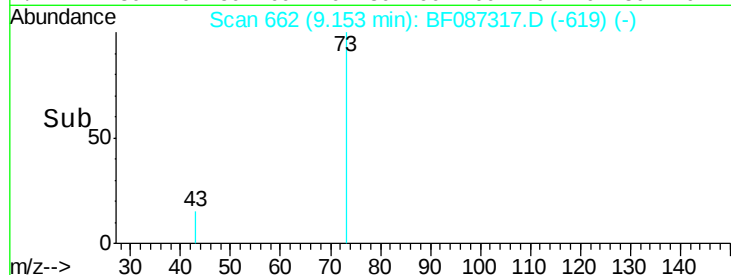
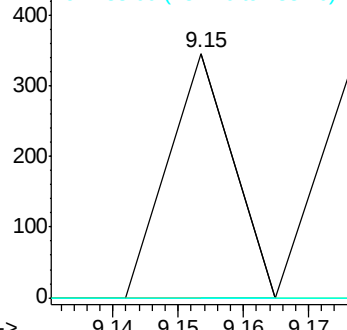
82 100

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: 12.47 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

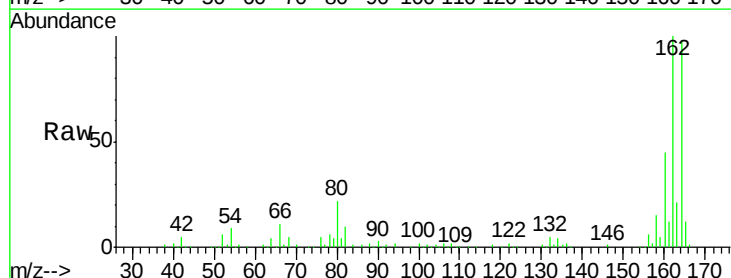
Tgt Ion: 164 Resp: 252372

Ion Ratio Lower Upper

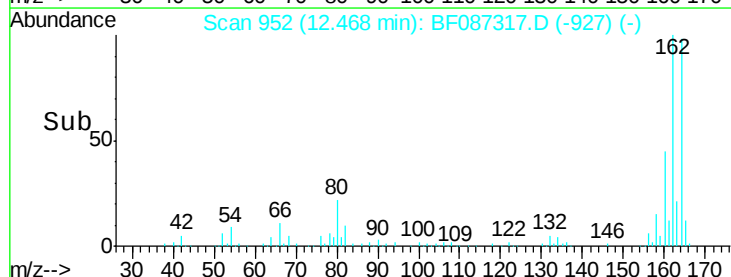
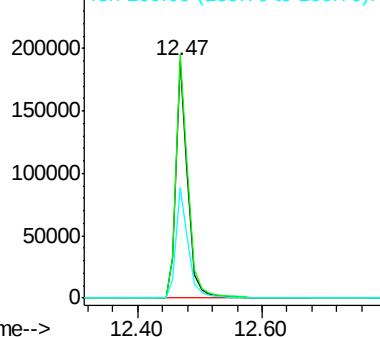
164 100

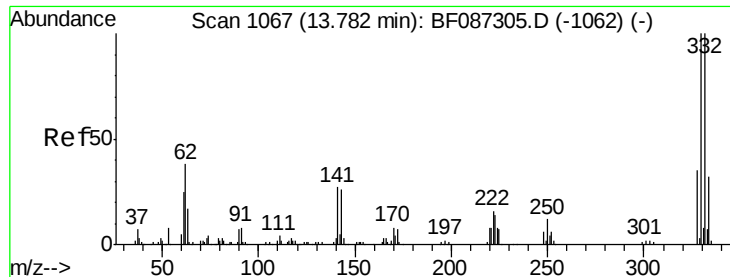
162 102.5 82.8 124.2

160 46.4 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

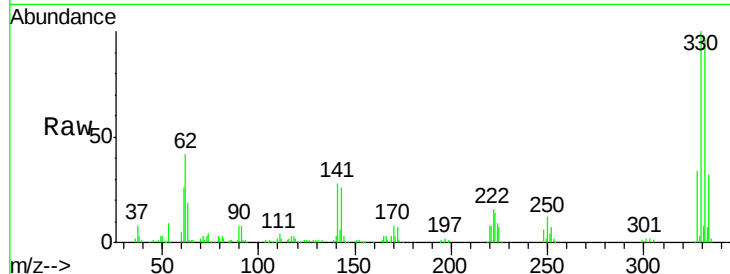




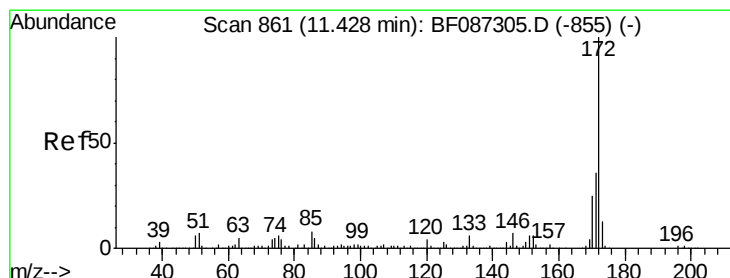
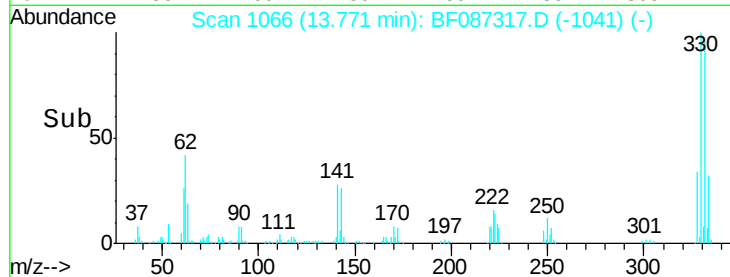
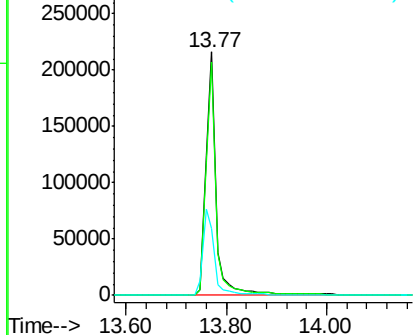
#41
 2,4,6-Tribromophenol
 Concen: 127.11 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BF087317.D
 Acq: 24 May 2016 00:32

Instrument :
 BNA_F
 ClientSampleId :
 PB90819BL

Tgt Ion:330 Resp: 308270
 Ion Ratio Lower Upper
 330 100
 332 95.7 79.0 118.4
 141 40.2 31.2 46.8

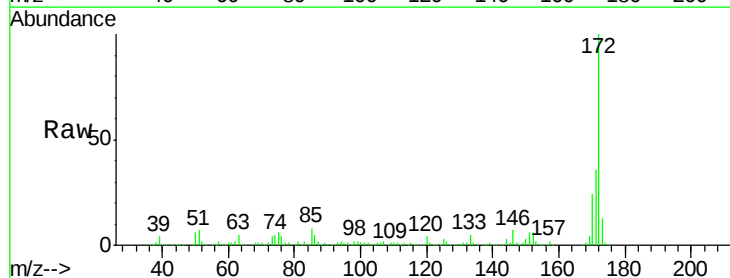


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

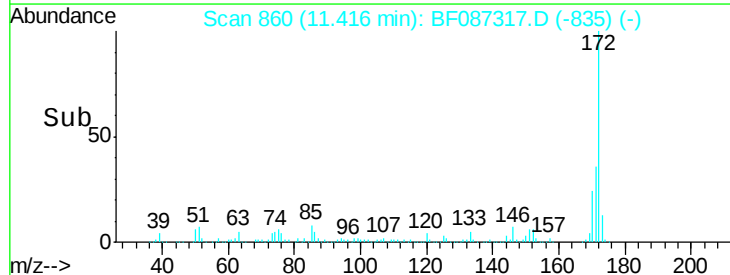
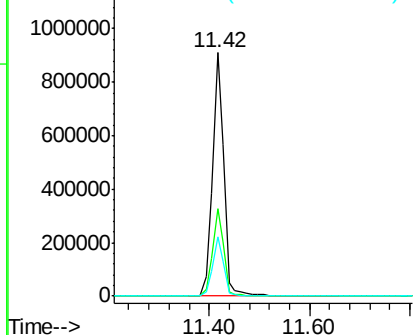


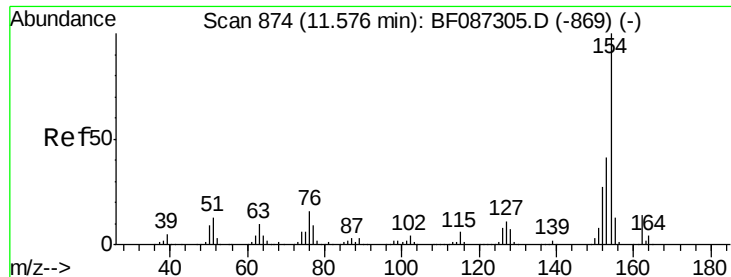
#44
 2-Fluorobiphenyl
 Concen: 79.43 ng
 RT: 11.42 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: BF087317.D
 Acq: 24 May 2016 00:32

Tgt Ion:172 Resp: 1421873
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 24.4 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





#45

1,1'-Biphenyl

Concen: 0.13 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.16 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

Instrument :

BNA_F

ClientSampleId :

PB90819BL

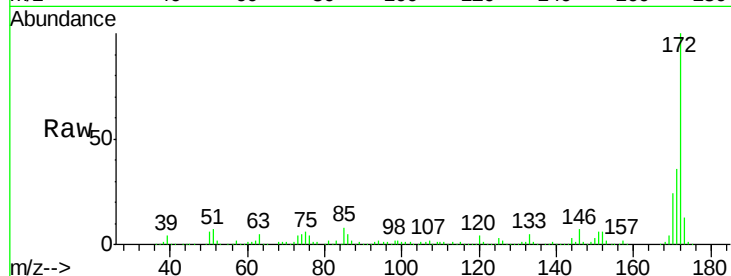
Tgt Ion:154 Resp: 2769

Ion Ratio Lower Upper

154 100

153 868.4 20.3 60.3#

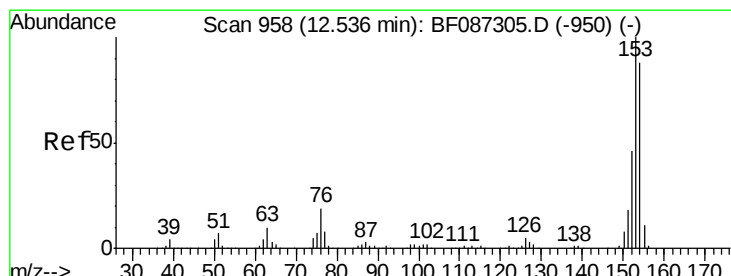
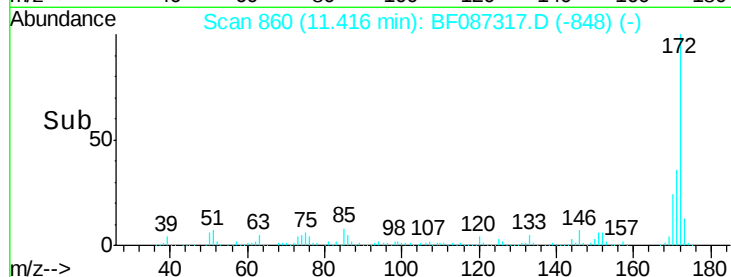
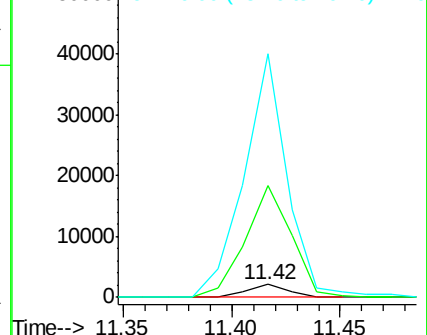
76 1892.9 0.0 30.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 0.05 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.07 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

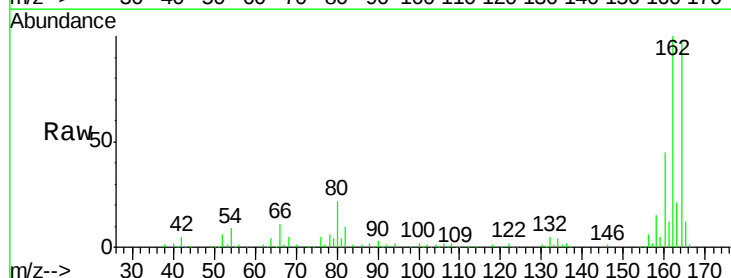
Tgt Ion:154 Resp: 748

Ion Ratio Lower Upper

154 100

153 0.0 89.8 134.6#

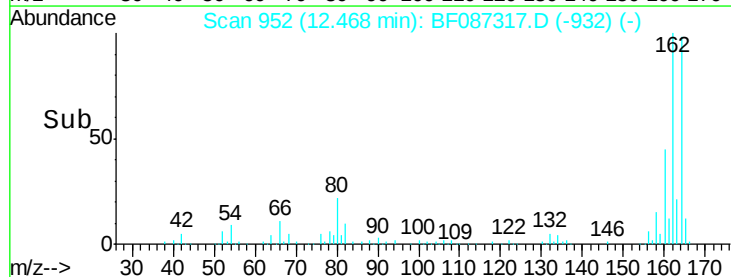
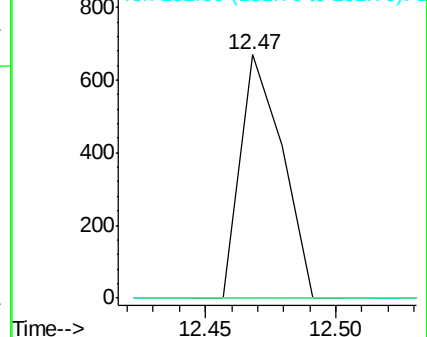
152 0.0 43.4 65.0#

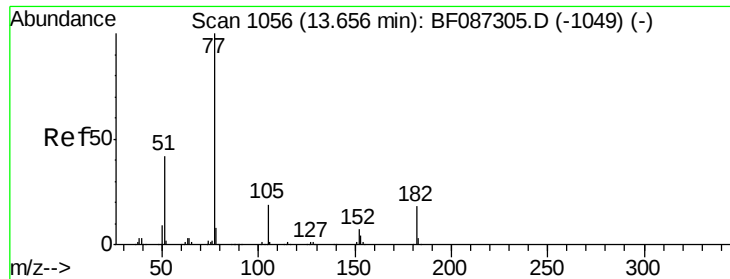


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#62

Azobenzene

Concen: 0.08 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.10 min

Lab File: BF087317.D

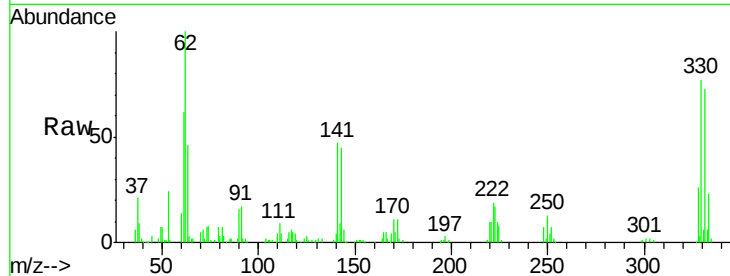
Acq: 24 May 2016 00:32

Instrument :

BNA_F

ClientSampleId :

PB90819BL



Tgt Ion: 77 Resp: 1685

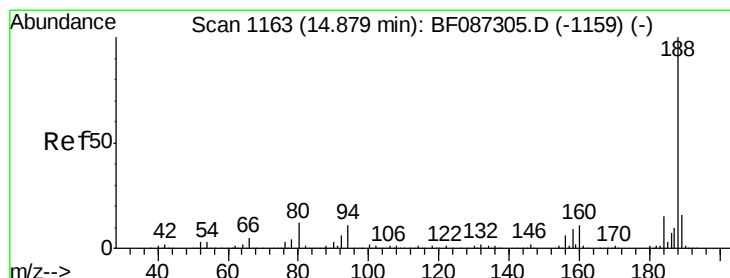
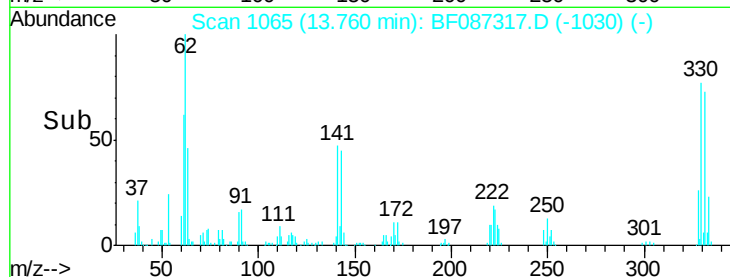
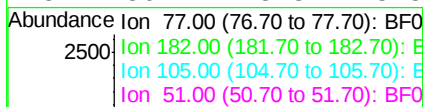
Ion Ratio Lower Upper

77 100

182 0.0 0.0 38.8

105 90.7 3.2 43.2#

51 136.1 8.8 48.8#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

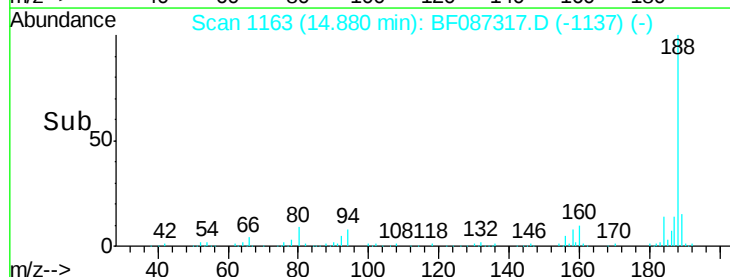
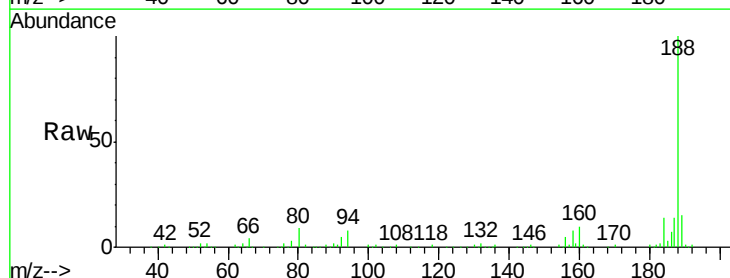
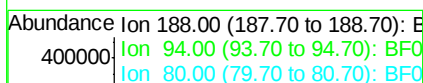
Tgt Ion: 188 Resp: 512429

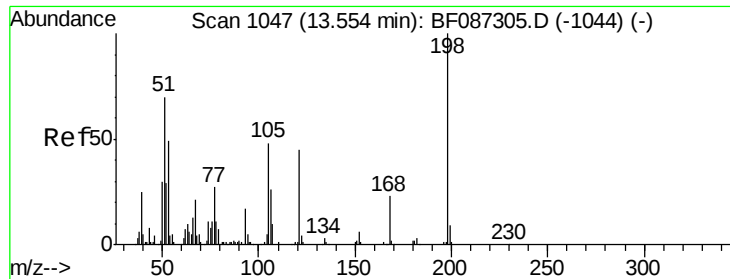
Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 8.9 7.1 10.7

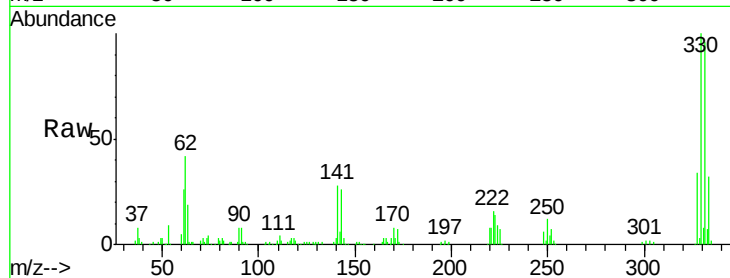




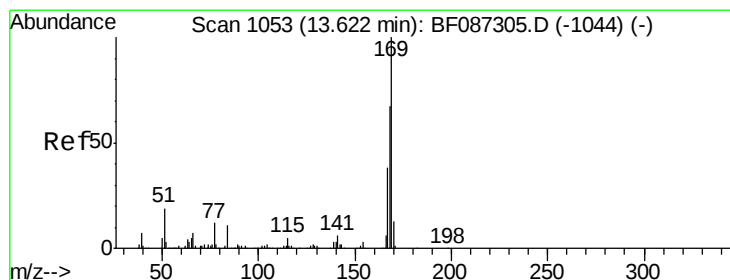
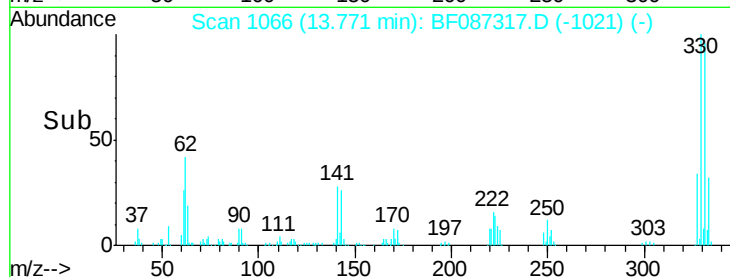
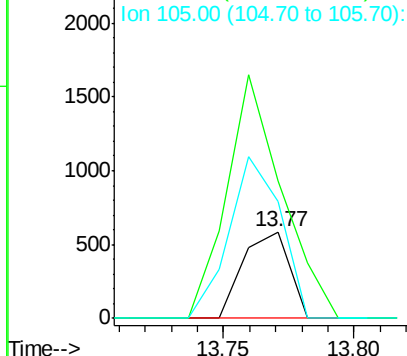
#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.22 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. 0.22 min
 Lab File: BF087317.D
 Acq: 24 May 2016 00:32

Instrument :
 BNA_F
 ClientSampleId :
 PB90819BL

Tgt Ion:198 Resp: 729
 Ion Ratio Lower Upper
 198 100
 51 159.3 20.5 60.5#
 105 135.4 24.5 64.5#

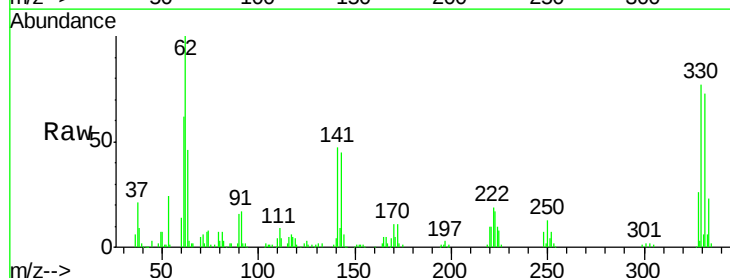


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

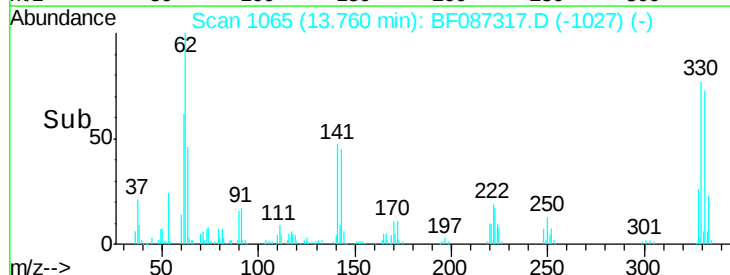
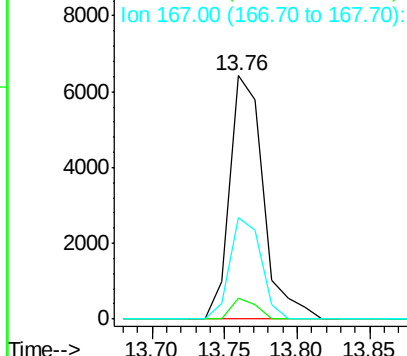


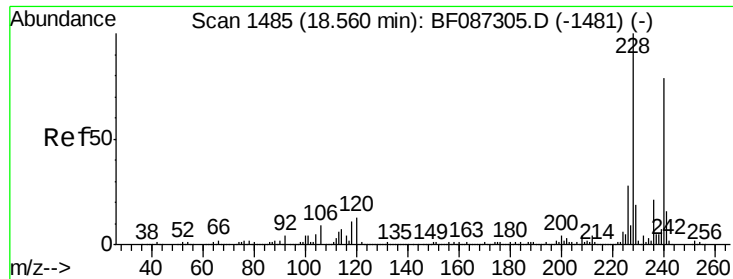
#65
 n-Nitrosodiphenylamine
 Concen: 0.62 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. 0.14 min
 Lab File: BF087317.D
 Acq: 24 May 2016 00:32

Tgt Ion:169 Resp: 10337
 Ion Ratio Lower Upper
 169 100
 168 8.6 53.8 80.6#
 167 42.0 29.5 44.3



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.56 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

Instrument :

BNA_F

ClientSampleId :

PB90819BL

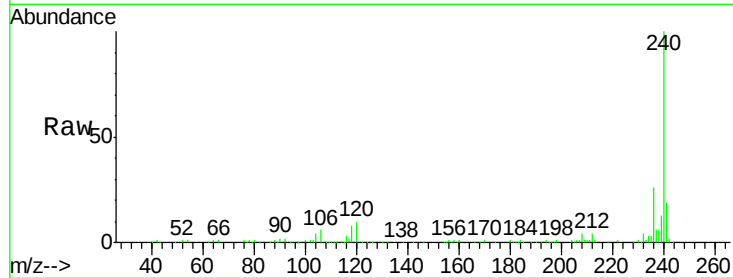
Tgt Ion:240 Resp: 430553

Ion Ratio Lower Upper

240 100

120 9.8 11.2 16.8#

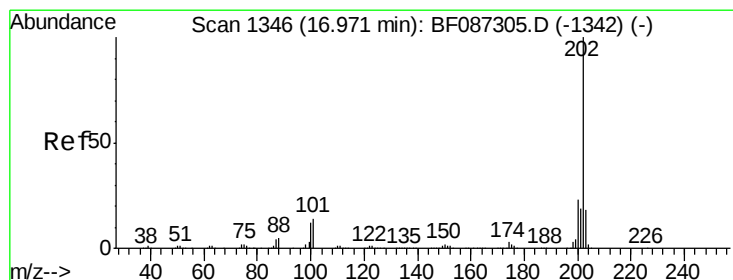
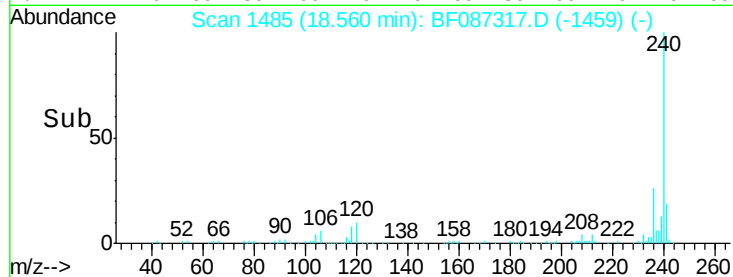
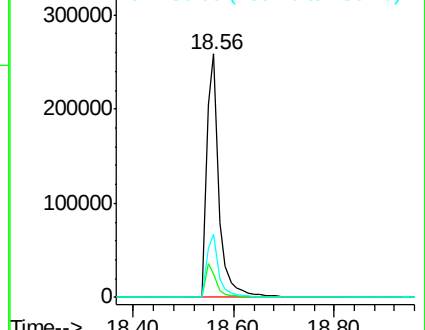
236 25.7 21.2 31.8



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



#77

Pyrene

Concen: 0.17 ng

RT: 17.21 min Scan# 1367

Delta R.T. 0.24 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

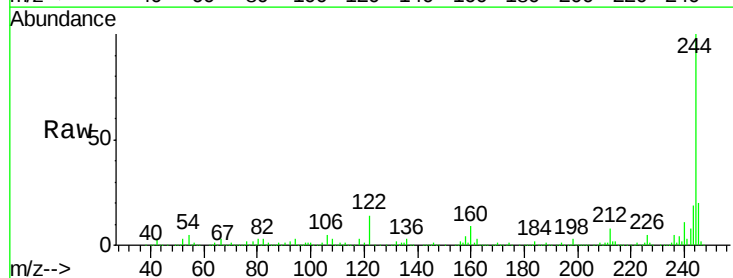
Tgt Ion:202 Resp: 5171

Ion Ratio Lower Upper

202 100

200 46.1 17.7 26.5#

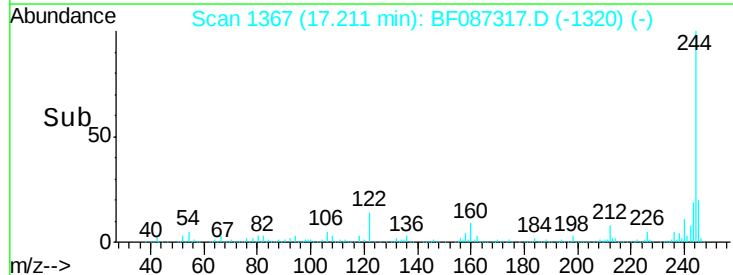
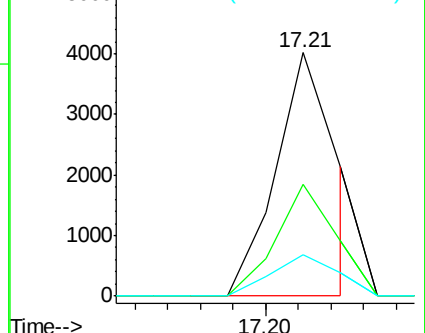
203 17.2 14.2 21.4

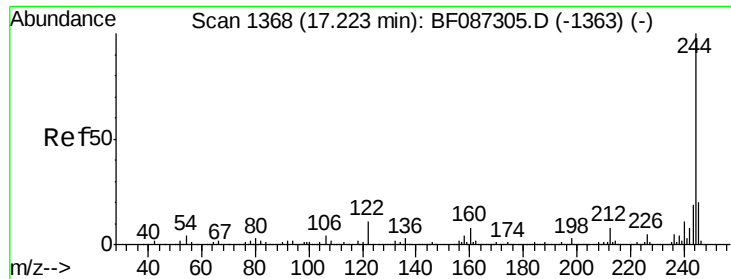


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

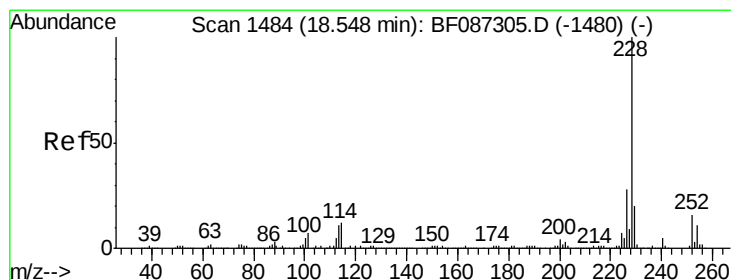
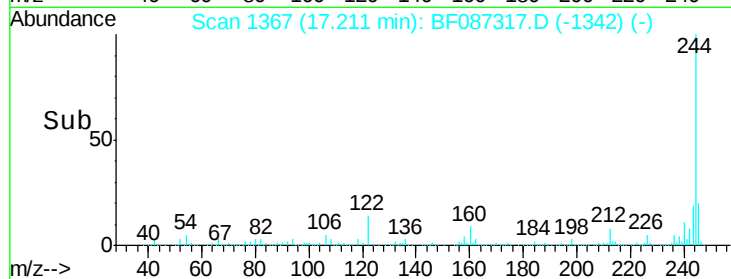
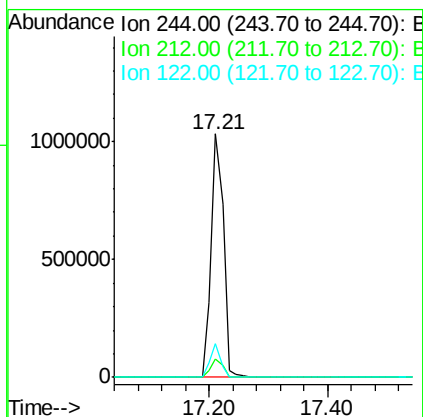
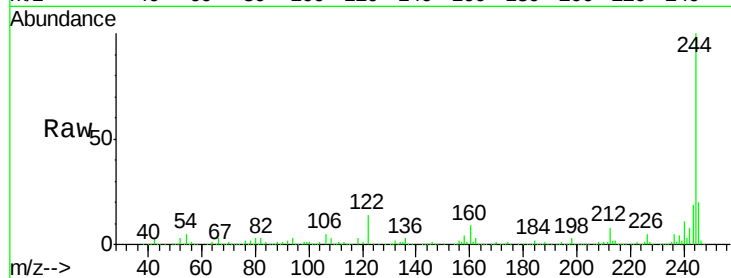




#78
 Terphenyl-d14
 Concen: 73.05 ng
 RT: 17.21 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BF087317.D
 Acq: 24 May 2016 00:32

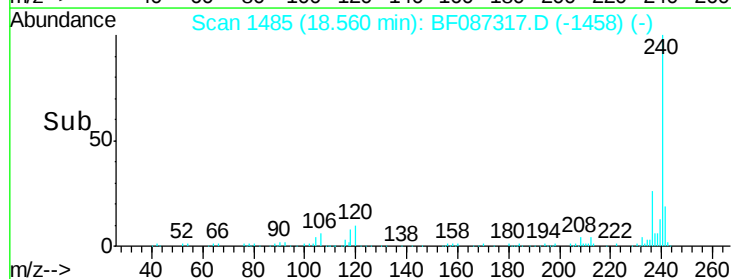
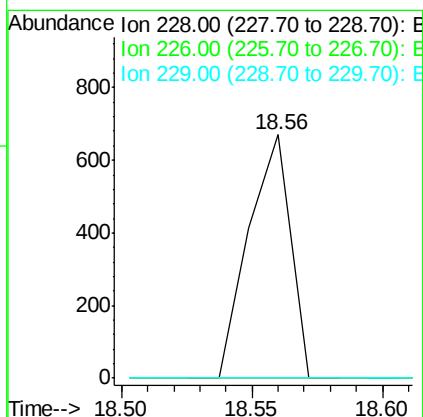
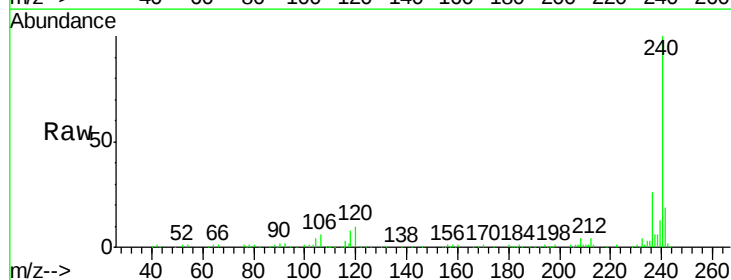
Instrument :
 BNA_F
 ClientSampleId :
 PB90819BL

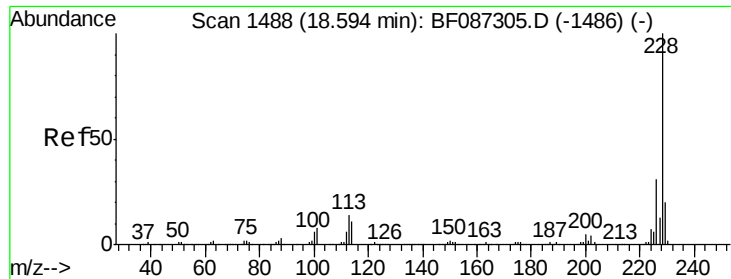
Tgt Ion:244 Resp: 1479398
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 13.6 12.0 18.0



#80
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 18.56 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: BF087317.D
 Acq: 24 May 2016 00:32

Tgt Ion:228 Resp: 745
 Ion Ratio Lower Upper
 228 100
 226 0.0 22.5 33.7#
 229 0.0 16.6 25.0#





#82

Chrysene

Concen: 0.03 ng

RT: 18.56 min Scan# 1485

Delta R.T. -0.03 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

Instrument :

BNA_F

ClientSampleId :

PB90819BL

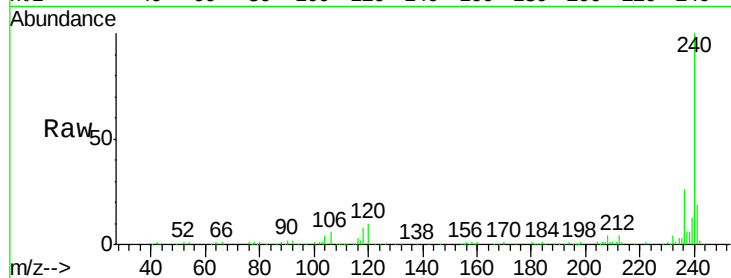
Tgt Ion:228 Resp: 745

Ion Ratio Lower Upper

228 100

226 0.0 24.4 36.6#

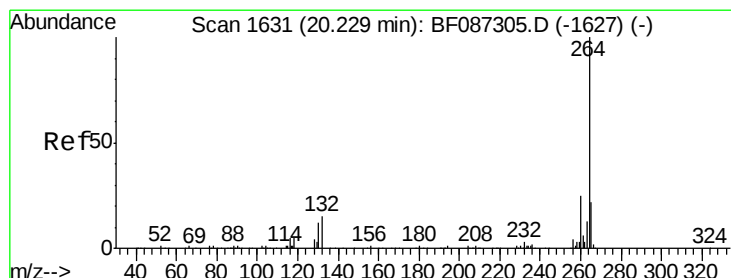
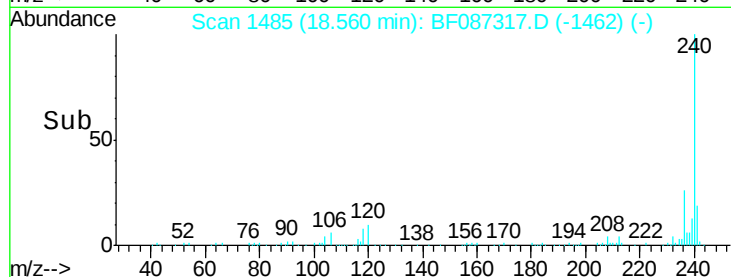
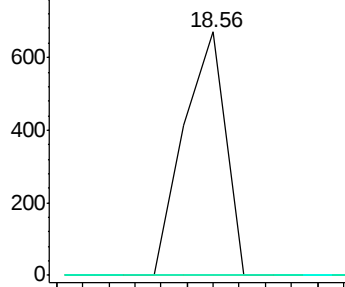
229 0.0 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.22 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BF087317.D

Acq: 24 May 2016 00:32

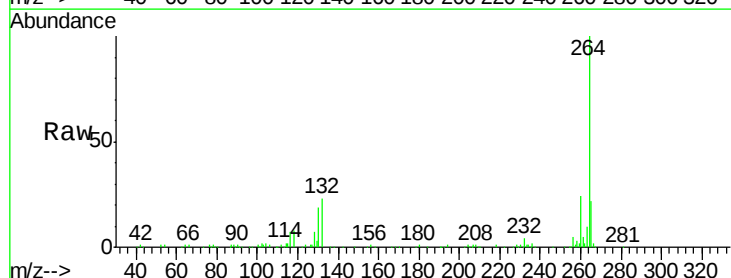
Tgt Ion:264 Resp: 340160

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

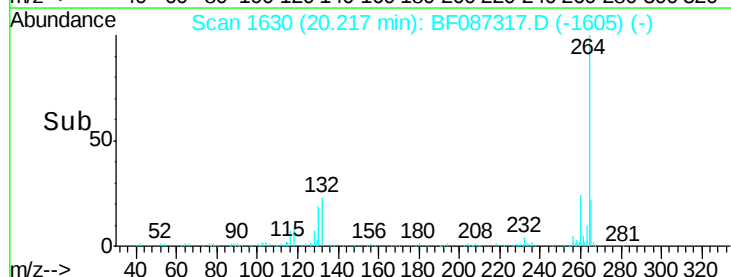
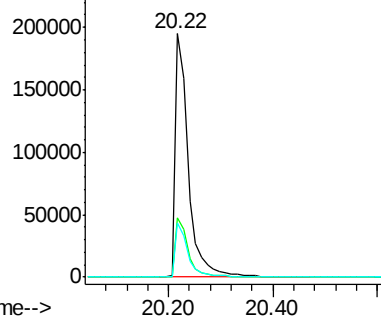
265 22.3 17.3 25.9

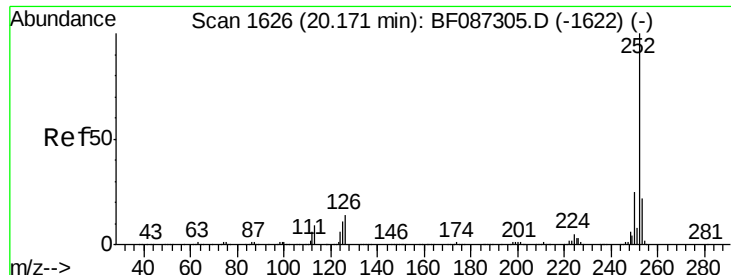


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 20.22 min Scan# 1630

Delta R.T. 0.05 min

Lab File: BF087317.D

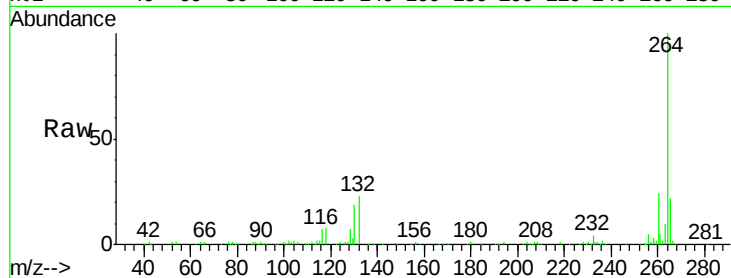
Acq: 24 May 2016 00:32

Instrument :

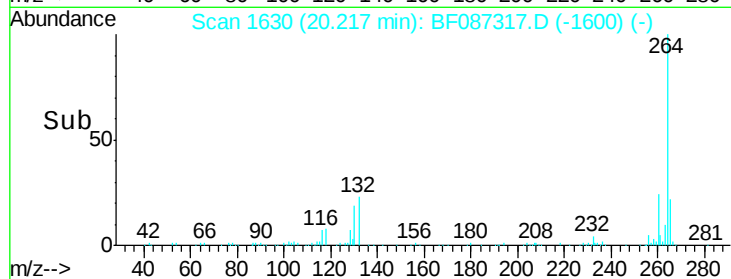
BNA_F

ClientSampleId :

PB90819BL



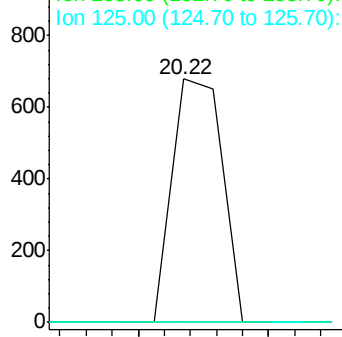
Tgt Ion:	252	Resp:	911
Ion Ratio	Lower	Upper	
252	100		
253	0.0	17.2	25.8#
125	0.0	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->