

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052316\
 Data File : BF087311.D
 Acq On : 23 May 2016 21:08
 Operator : UM/SJ
 Sample : PB90743BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90743BL

Quant Time: May 24 01:55:28 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	142163	20.00	ng	0.00
21) Naphthalene-d8	9.64	136	599504	20.00	ng	0.00
38) Acenaphthene-d10	12.47	164	289636	20.00	ng	-0.01
63) Phenanthrene-d10	14.88	188	581030	20.00	ng	0.00
75) Chrysene-d12	18.56	240	505603	20.00	ng	0.00
86) Perylene-d12	20.22	264	412900	20.00	ng	-0.01

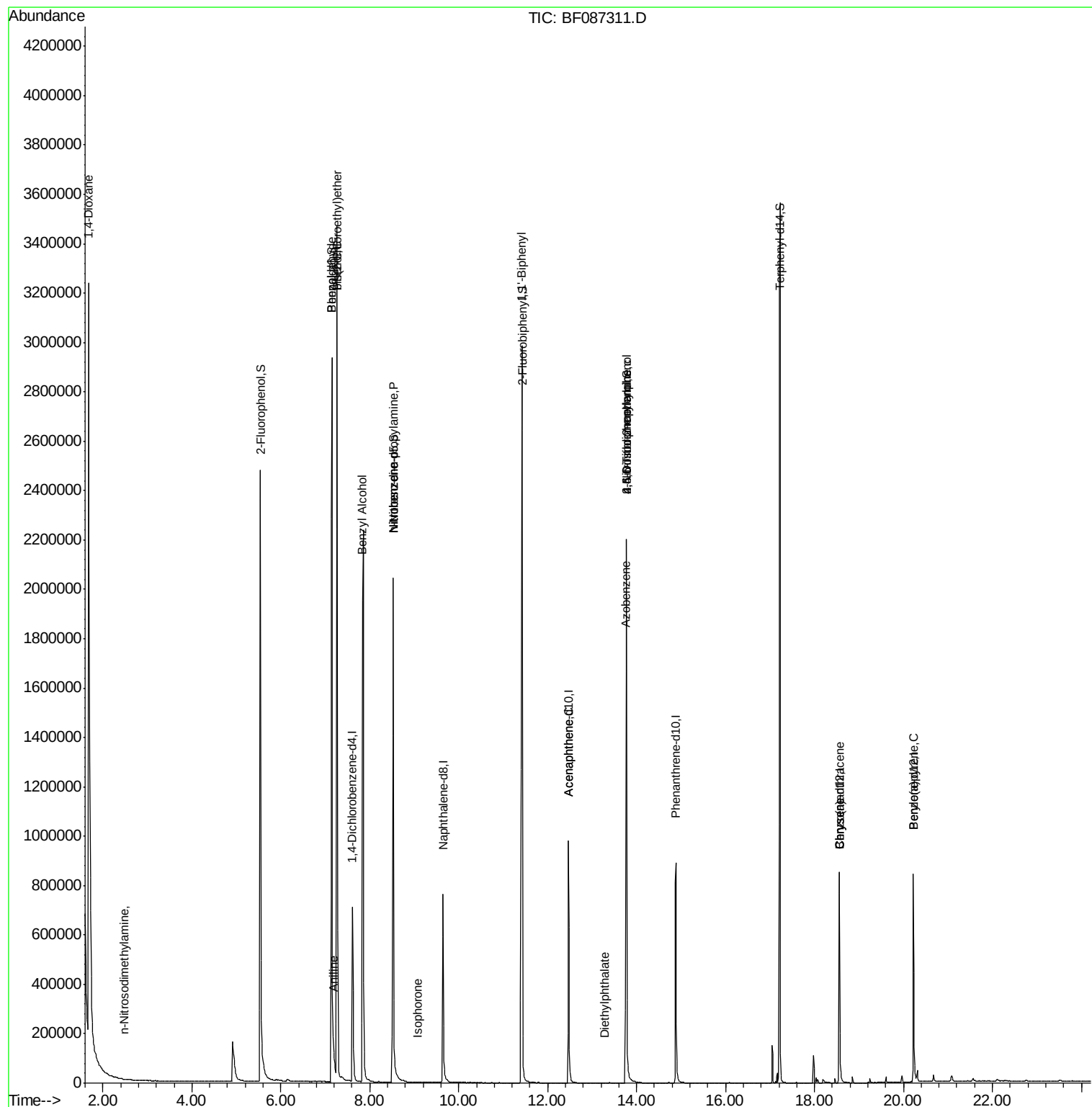
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	1093987	135.22	ng	0.02
7) Phenol-d6	7.15	99	1456745	133.25	ng	-0.01
23) Nitrobenzene-d5	8.52	82	974001	81.88	ng	-0.01
41) 2,4,6-Tribromophenol	13.77	330	363724	130.68	ng	-0.01
44) 2-Fluorobiphenyl	11.43	172	1685234	82.03	ng	0.00
78) Terphenyl-d14	17.22	244	1771861	74.50	ng	0.00

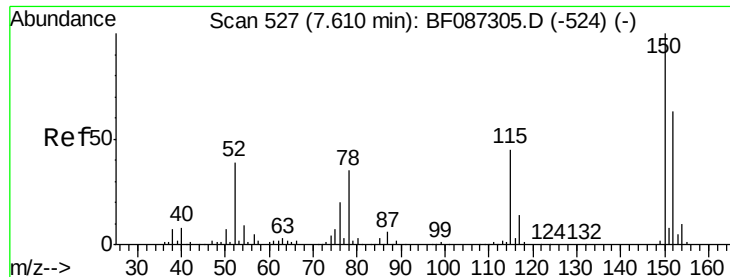
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.68	88	121957	28.57	ng	# 22
4) n-Nitrosodimethylamine	2.49	42	172	0.02	ng	# 1
6) Aniline	7.18	93	248	0.02	ng	# 1
9) Benzaldehyde	7.15	77	2081	0.34	ng	# 4
10) Phenol	7.27	94	2512	0.21	ng	# 1
11) bis(2-Chloroethyl)ether	7.27	93	1441	0.15	ng	# 1
15) Benzyl Alcohol	7.84	79	16808	2.11	ng	# 42
19) n-Nitroso-di-n-propylamine	8.52	70	131557	16.14	ng	# 76
24) Nitrobenzene	8.52	77	2778	0.22	ng	# 35
25) Isophorone	9.07	82	1183	0.06	ng	# 68
45) 1,1'-Biphenyl	11.42	154	3622	0.15	ng	# 1
51) Acenaphthene	12.47	154	957	0.05	ng	# 5
59) Diethylphthalate	13.28	149	215	0.01	ng	# 60
62) Azobenzene	13.76	77	2353	0.10	ng	# 1
64) 4,6-Dinitro-2-methylphenol	13.77	198	885	0.24	ng	# 1
65) n-Nitrosodiphenylamine	13.77	169	12363	0.66	ng	# 49
80) Benzo(a)anthracene	18.56	228	1065	0.04	ng	# 50
82) Chrysene	18.56	228	1065	0.04	ng	# 49
89) Benzo(a)pyrene	20.22	252	1186	0.05	ng	# 69

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

Instrument :
BNA_F
ClientSampleId :
PB90743BL

Quant Time: May 24 01:55:28 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.61 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90743BL

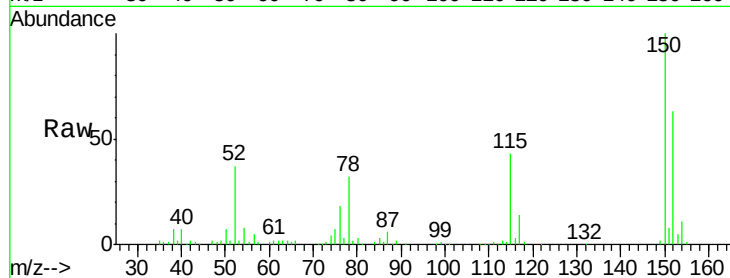
Tgt Ion:152 Resp: 142163

Ion Ratio Lower Upper

152 100

150 159.6 125.8 188.6

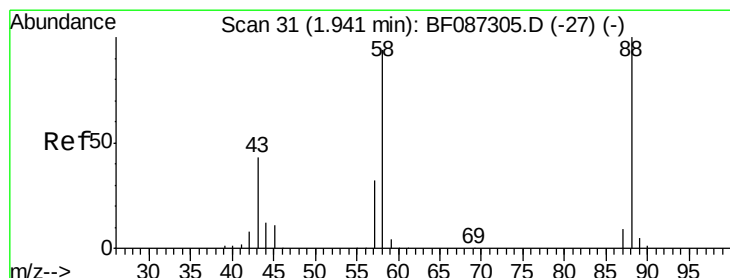
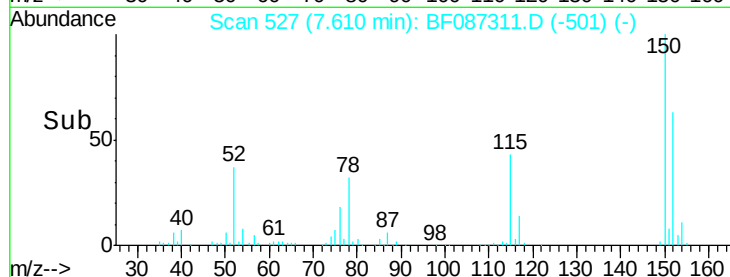
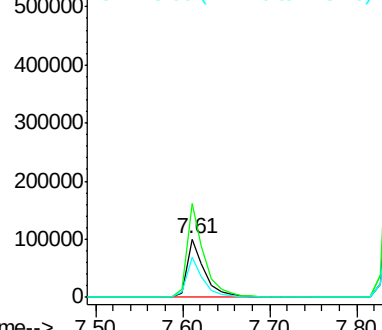
115 69.4 51.5 77.3



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: 28.57 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.26 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

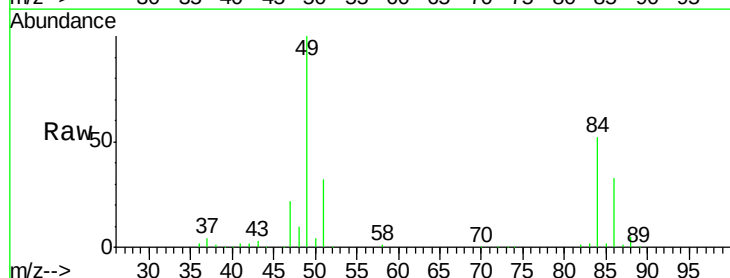
Tgt Ion: 88 Resp: 121957

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

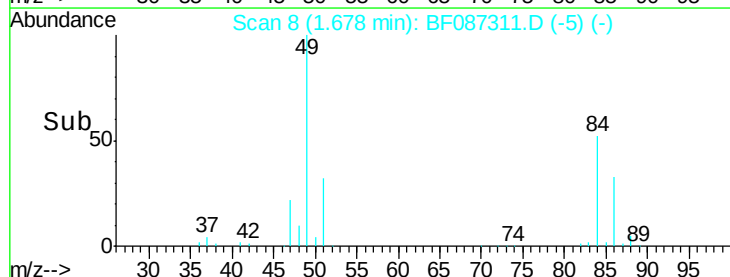
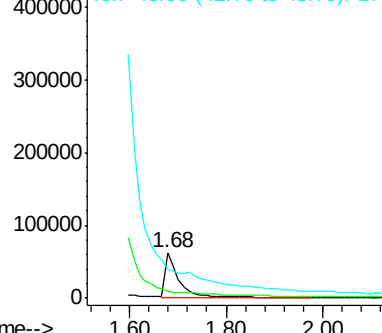
43 0.0 21.8 32.6#

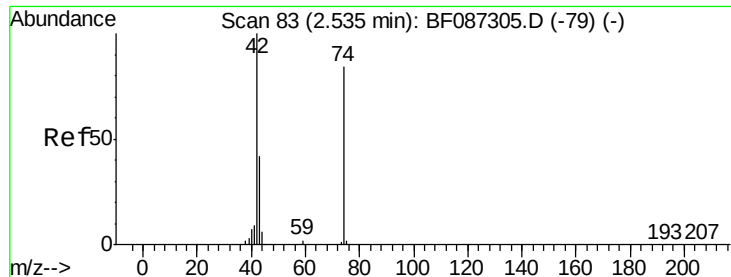


Abundance Ion 88.00 (87.70 to 88.70): BF0

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: 2.49 min Scan# 79

Delta R.T. -0.05 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90743BL

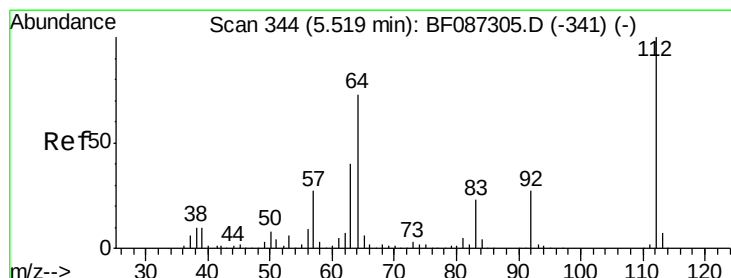
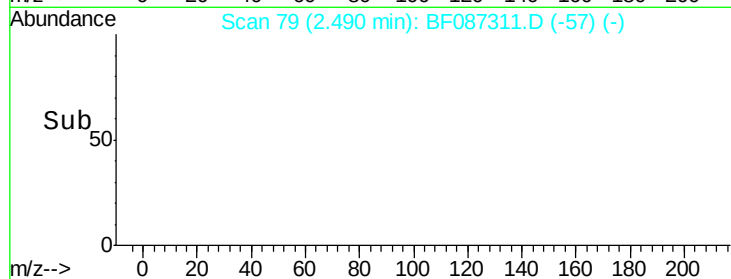
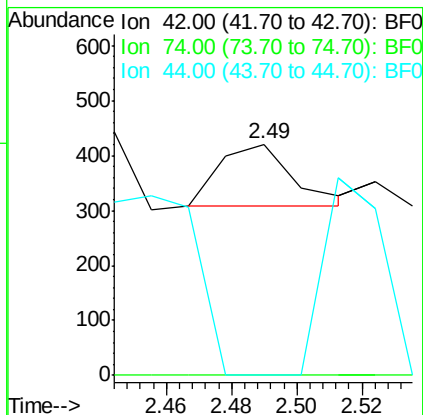
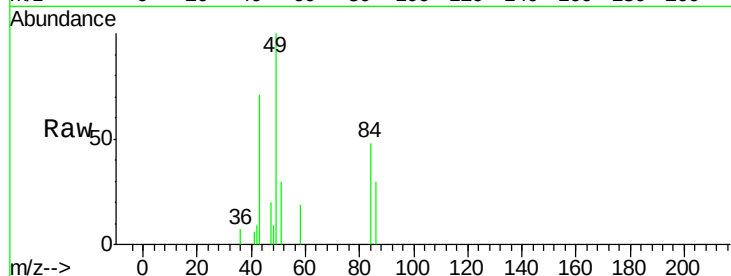
Tgt Ion: 42 Resp: 172

Ion Ratio Lower Upper

42 100

74 0.0 123.4 185.0#

44 0.0 5.8 8.6#



#5

2-Fluorophenol

Concen: 135.22 ng

RT: 5.54 min Scan# 346

Delta R.T. 0.02 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

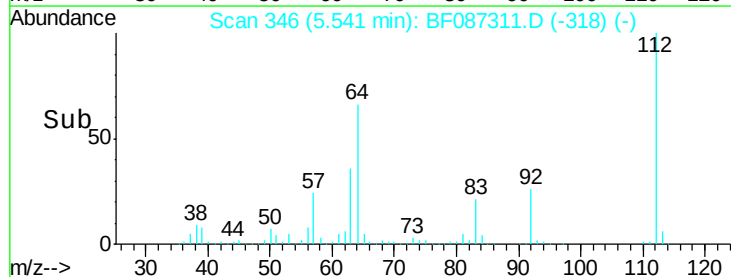
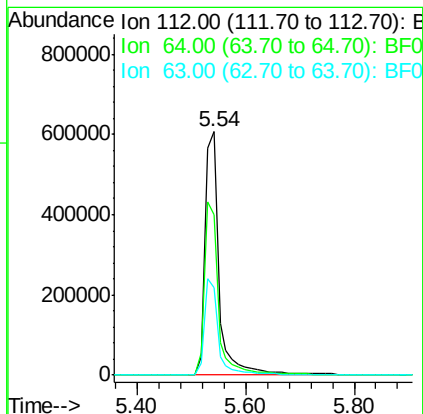
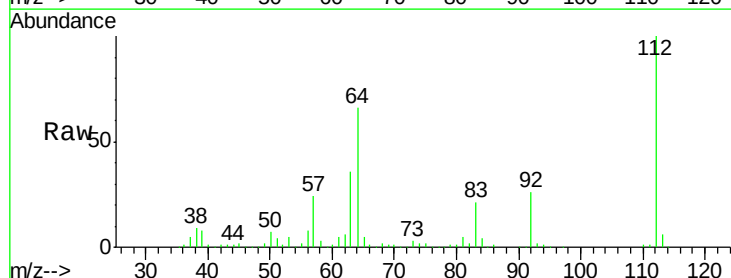
Tgt Ion: 112 Resp: 1093987

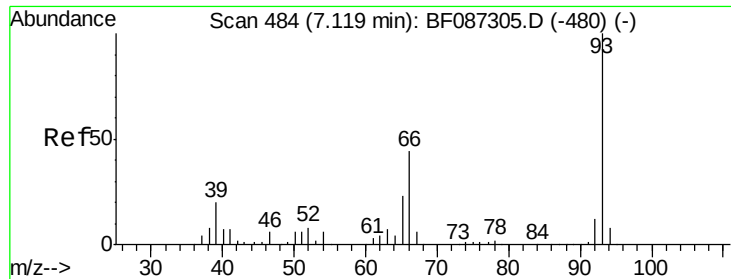
Ion Ratio Lower Upper

112 100

64 65.7 52.1 78.1

63 36.1 25.7 38.5





#6

Aniline

Concen: 0.02 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.06 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90743BL

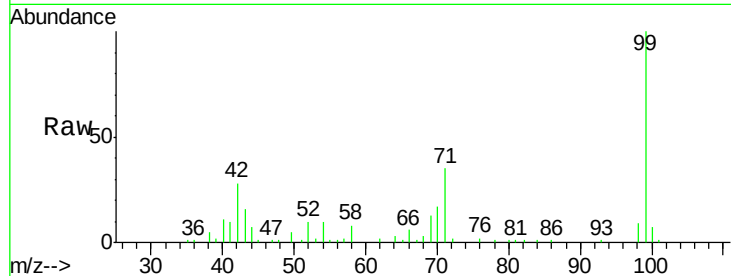
Tgt Ion: 93 Resp: 248

Ion Ratio Lower Upper

93 100

66 880.7 39.0 58.6#

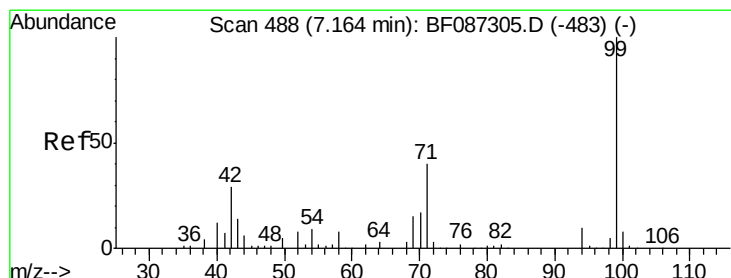
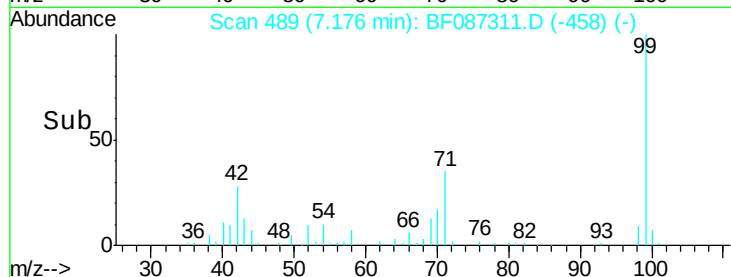
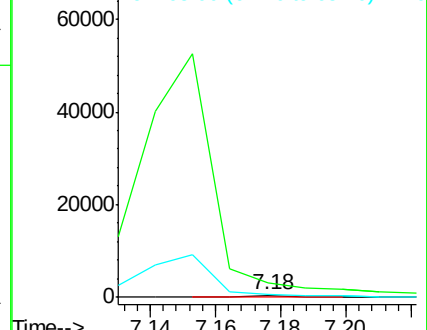
65 169.1 20.6 31.0#



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: 133.25 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

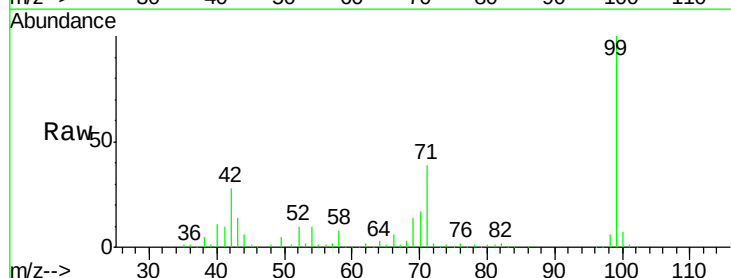
Tgt Ion: 99 Resp: 1456745

Ion Ratio Lower Upper

99 100

42 28.1 13.6 20.4#

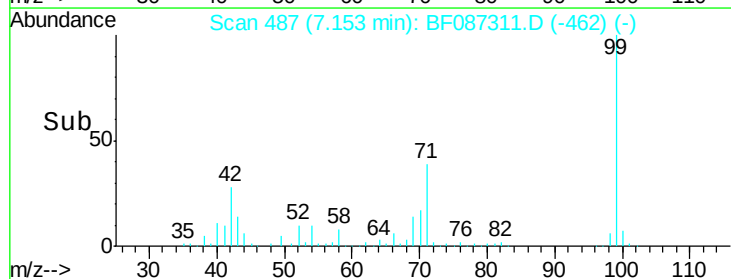
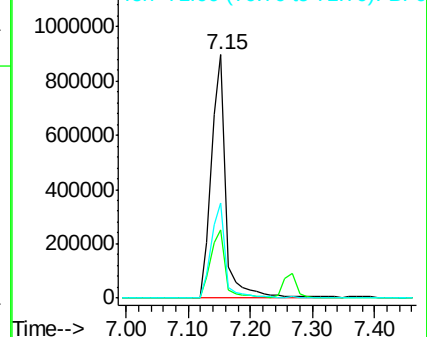
71 38.8 24.6 36.8#

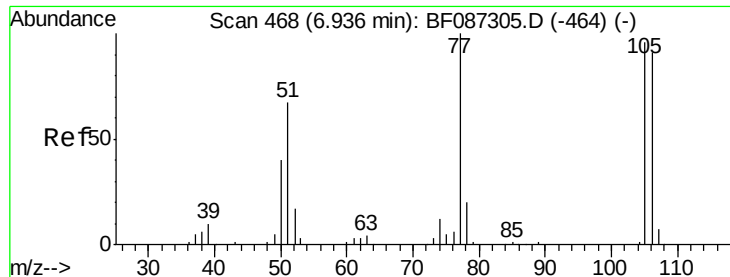


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.34 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.22 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90743BL

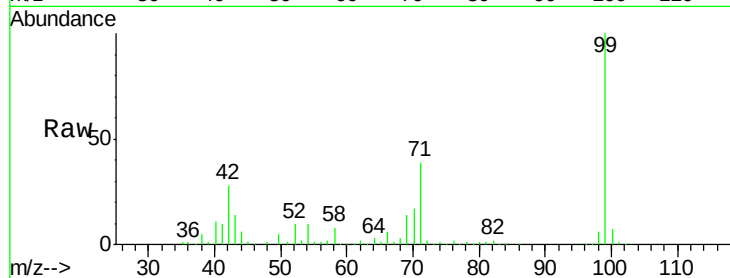
Tgt Ion: 77 Resp: 2081

Ion Ratio Lower Upper

77 100

105 0.0 72.7 112.7#

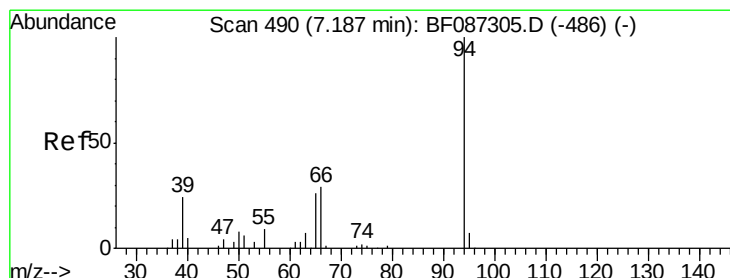
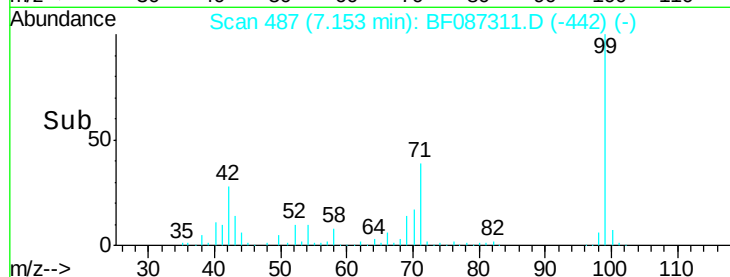
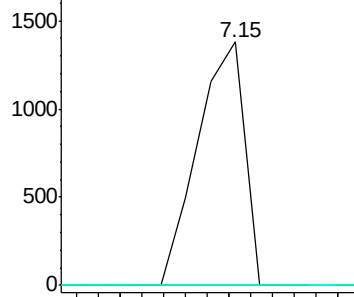
106 0.0 70.8 110.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 0.21 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.08 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

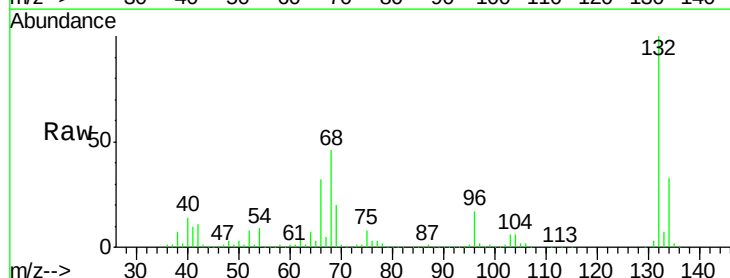
Tgt Ion: 94 Resp: 2512

Ion Ratio Lower Upper

94 100

65 1179.4 7.2 47.2#

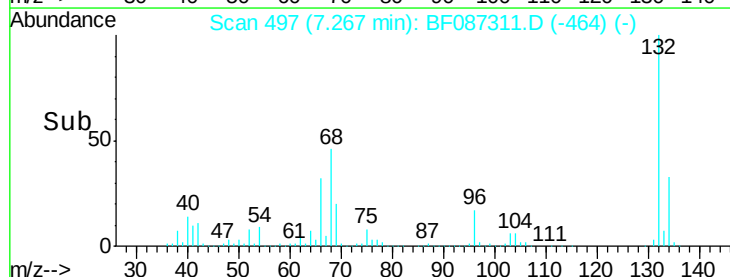
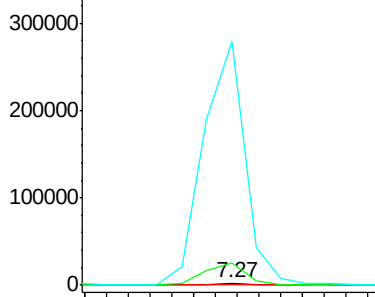
66 13063.7 14.9 54.9#

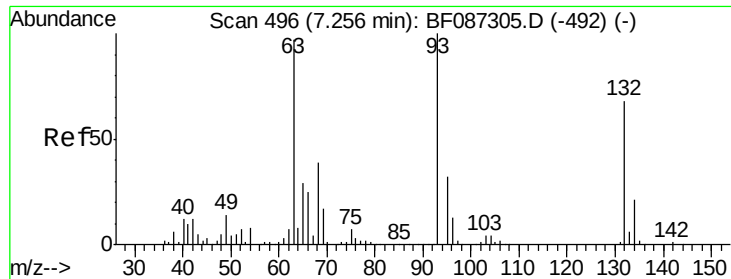


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

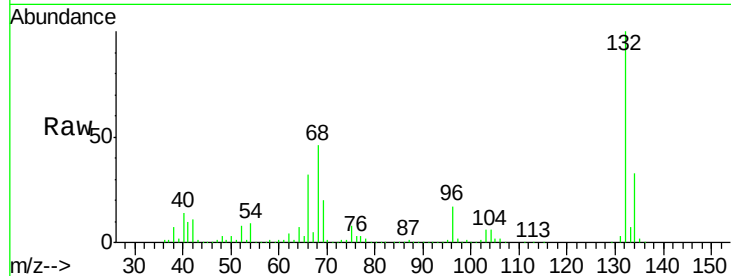




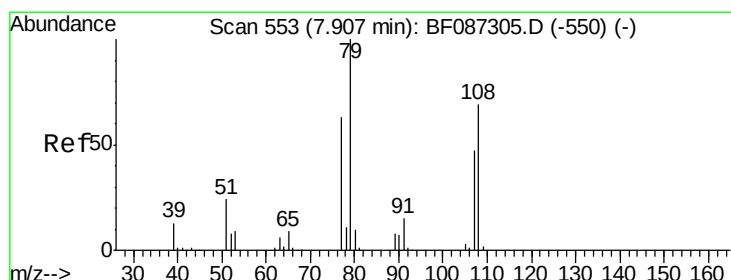
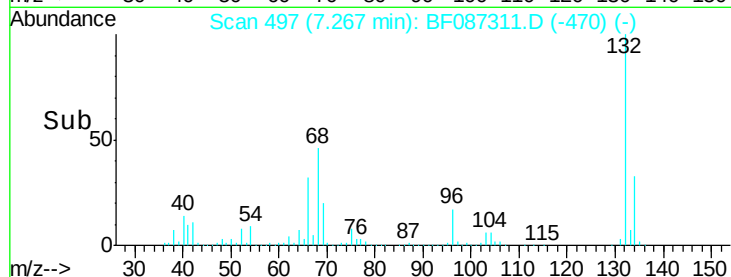
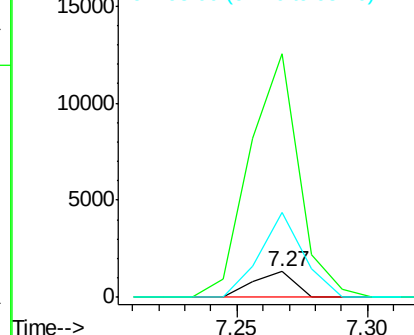
#11
bis(2-Chloroethyl)ether
Concen: 0.15 ng
RT: 7.27 min Scan# 497
Delta R.T. 0.01 min
Lab File: BF087311.D
Acq: 23 May 2016 21:08

Instrument :
BNA_F
ClientSampleId :
PB90743BL

Tgt Ion: 93 Resp: 1441
Ion Ratio Lower Upper
93 100
63 958.8 58.0 98.0#
95 333.9 11.9 51.9#

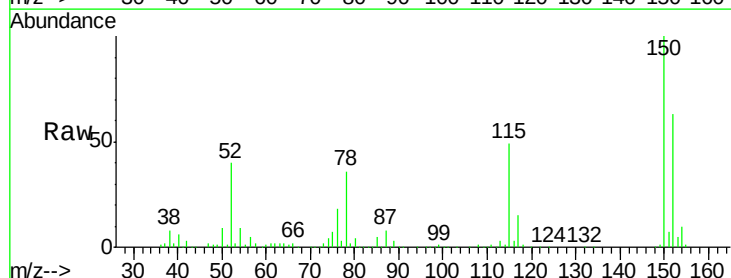


Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0

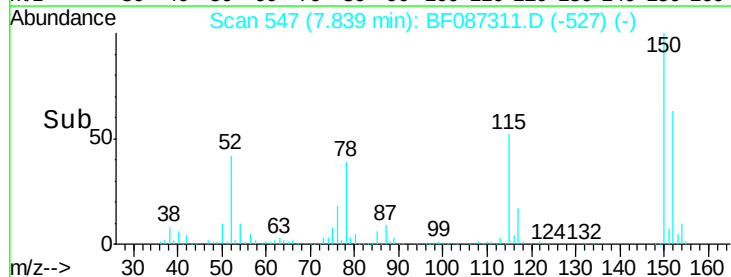
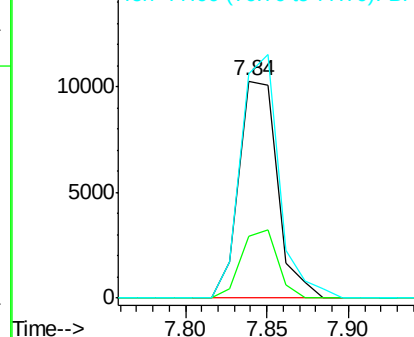


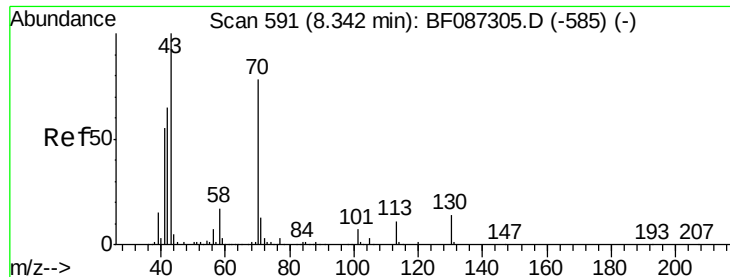
#15
Benzyl Alcohol
Concen: 2.11 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.07 min
Lab File: BF087311.D
Acq: 23 May 2016 21:08

Tgt Ion: 79 Resp: 16808
Ion Ratio Lower Upper
79 100
108 28.5 68.4 102.6#
77 103.1 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

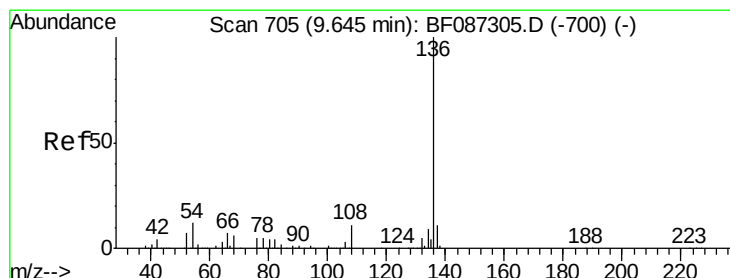
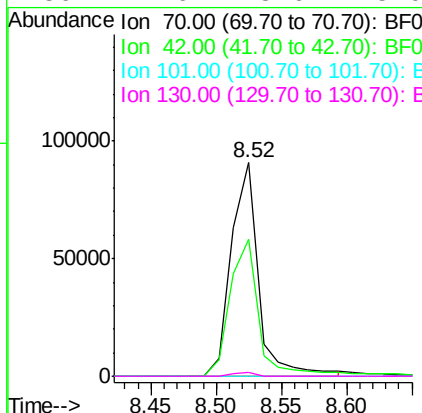
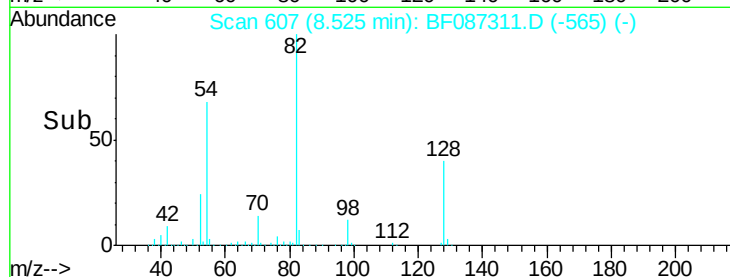
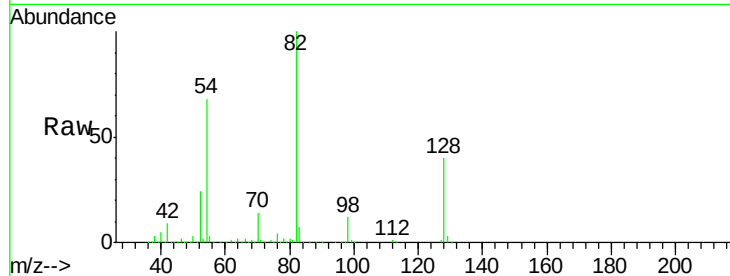




#19
n-Nitroso-di-n-propylamine
Concen: 16.14 ng
RT: 8.52 min Scan# 607
Delta R.T. 0.18 min
Lab File: BF087311.D
Acq: 23 May 2016 21:08

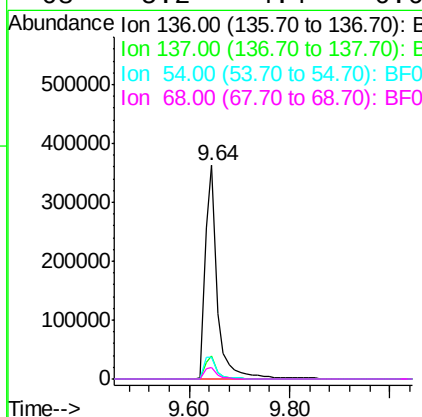
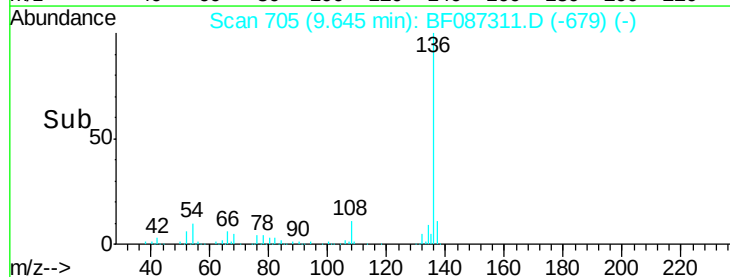
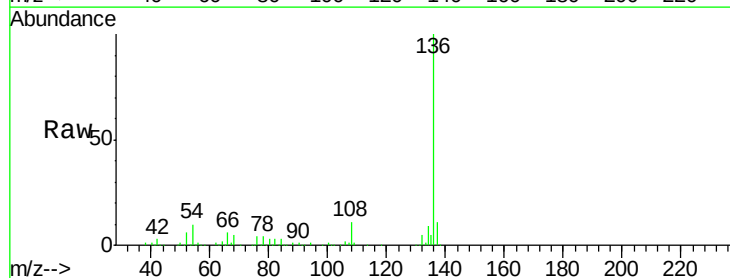
Instrument :
BNA_F
ClientSampled :
PB90743BL

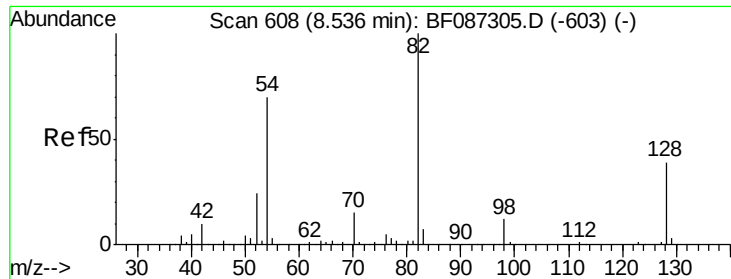
Tgt Ion: 70 Resp: 131557
Ion Ratio Lower Upper
70 100
42 64.3 43.1 64.7
101 0.0 8.1 12.1#
130 1.6 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF087311.D
Acq: 23 May 2016 21:08

Tgt Ion: 136 Resp: 599504
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 10.3 5.0 7.4#
68 5.2 4.4 6.6

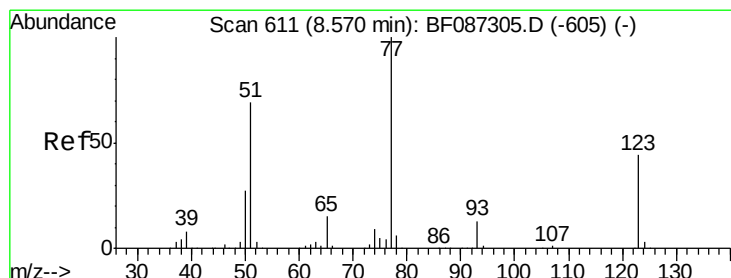
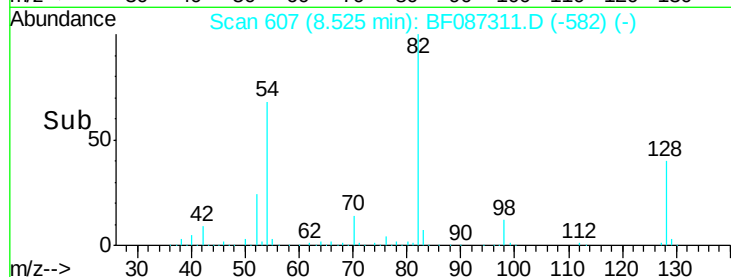
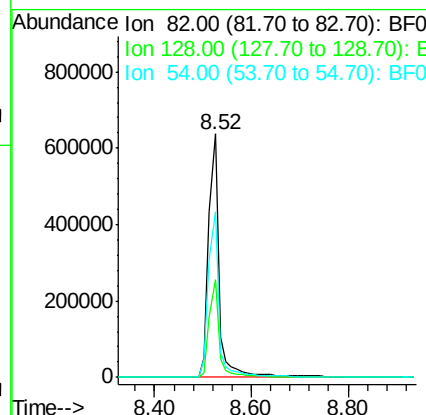
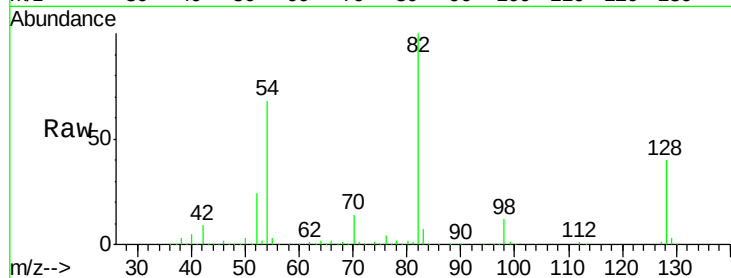




#23
 Nitrobenzene-d5
 Concen: 81.88 ng
 RT: 8.52 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: BF087311.D
 Acq: 23 May 2016 21:08

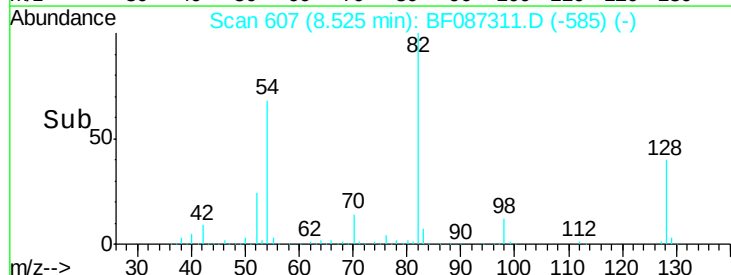
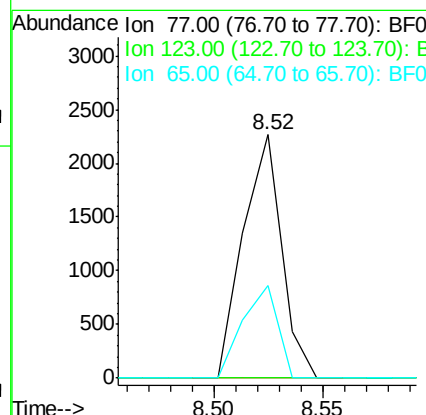
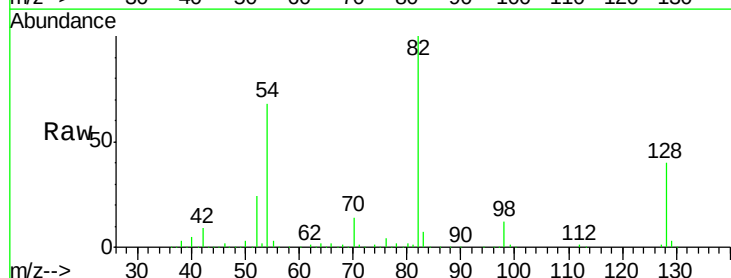
Instrument :
 BNA_F
 ClientSampleId :
 PB90743BL

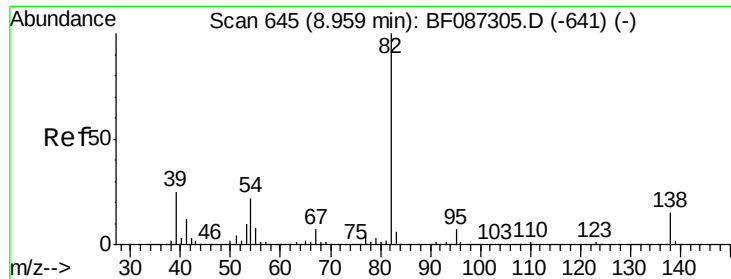
Tgt Ion: 82 Resp: 974001
 Ion Ratio Lower Upper
 82 100
 128 40.3 40.6 61.0#
 54 68.1 38.1 57.1#



#24
 Nitrobenzene
 Concen: 0.22 ng
 RT: 8.52 min Scan# 607
 Delta R.T. -0.05 min
 Lab File: BF087311.D
 Acq: 23 May 2016 21:08

Tgt Ion: 77 Resp: 2778
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.4#
 65 38.1 10.8 16.2#





#25

Isophorone

Concen: 0.06 ng

RT: 9.07 min Scan# 655

Delta R.T. 0.11 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90743BL

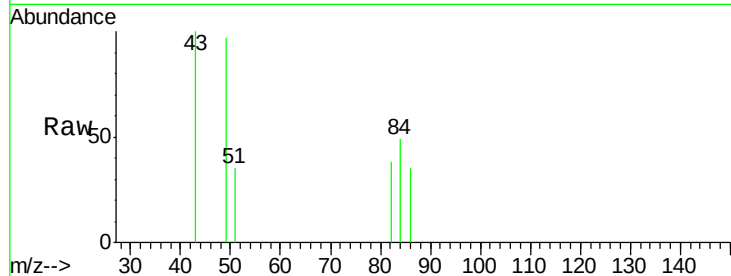
Tgt Ion: 82 Resp: 1183

Ion Ratio Lower Upper

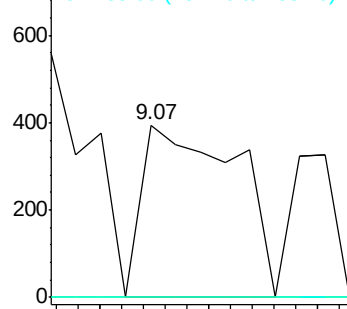
82 100

95 0.0 5.1 7.7#

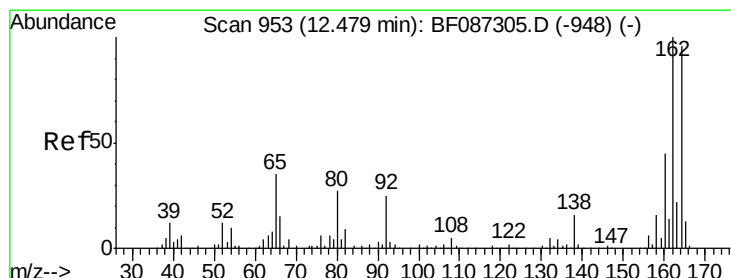
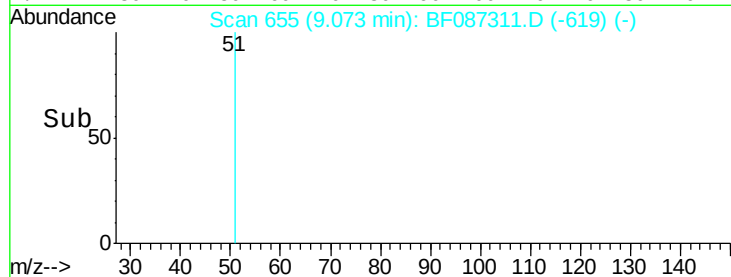
138 0.0 12.4 18.6#



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): E



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

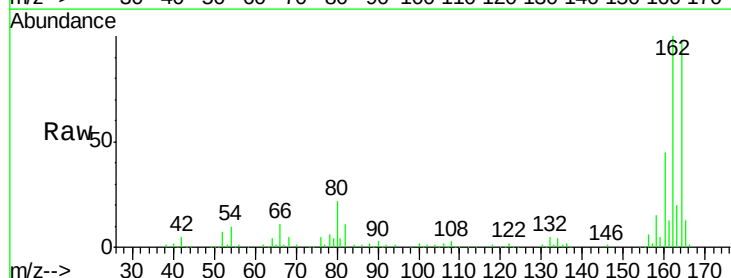
Tgt Ion: 164 Resp: 289636

Ion Ratio Lower Upper

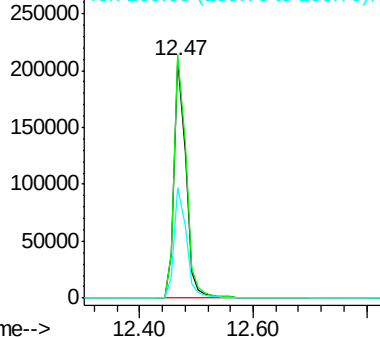
164 100

162 102.3 82.8 124.2

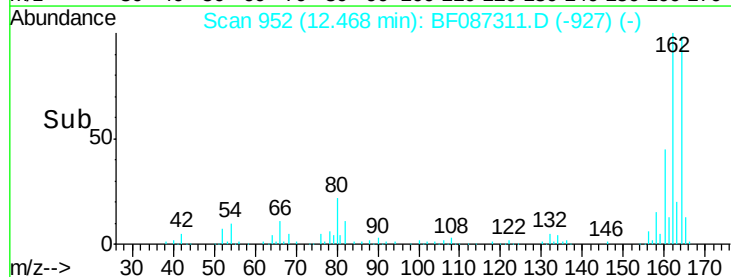
160 46.4 36.9 55.3

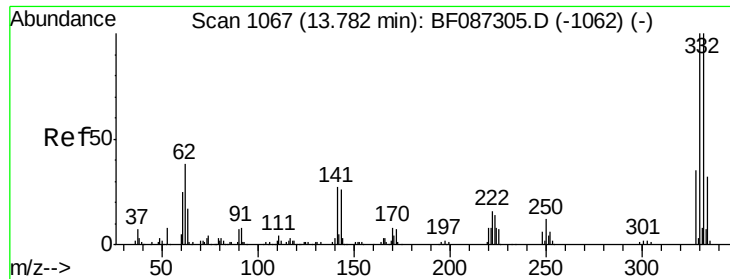


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

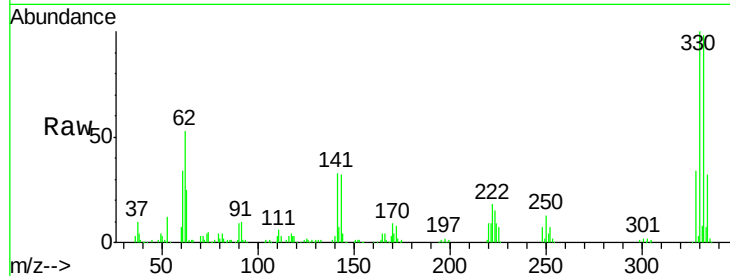




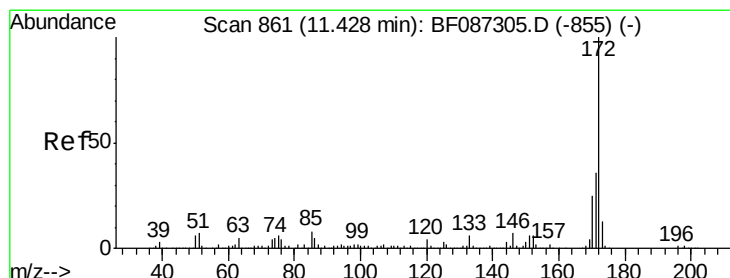
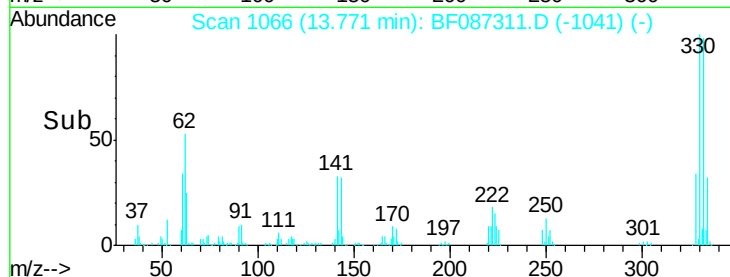
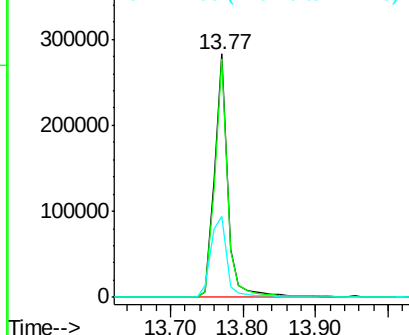
#41
 2,4,6-Tribromophenol
 Concen: 130.68 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BF087311.D
 Acq: 23 May 2016 21:08

Instrument :
 BNA_F
 ClientSampleId :
 PB90743BL

Tgt Ion:330 Resp: 363724
 Ion Ratio Lower Upper
 330 100
 332 96.3 79.0 118.4
 141 41.5 31.2 46.8

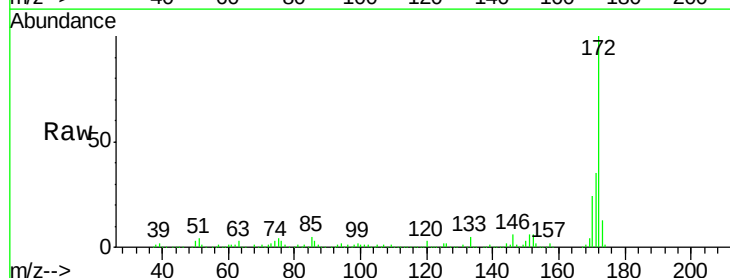


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

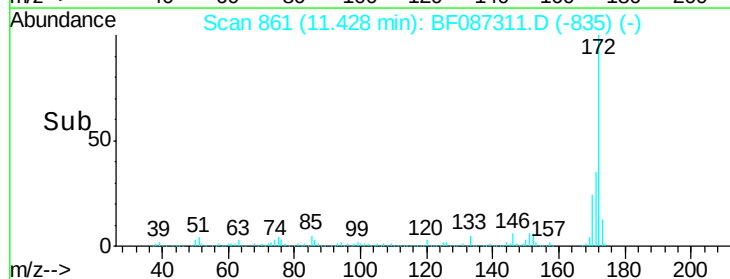
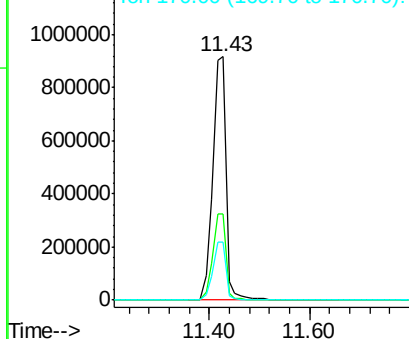


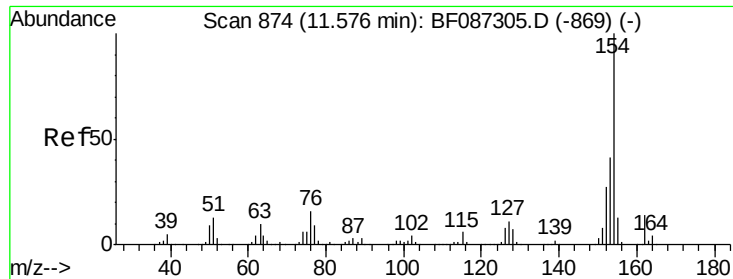
#44
 2-Fluorobiphenyl
 Concen: 82.03 ng
 RT: 11.43 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: BF087311.D
 Acq: 23 May 2016 21:08

Tgt Ion:172 Resp: 1685234
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.0 43.6
 170 24.0 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: 0.15 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.16 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

Instrument :

BNA_F

ClientSampled :

PB90743BL

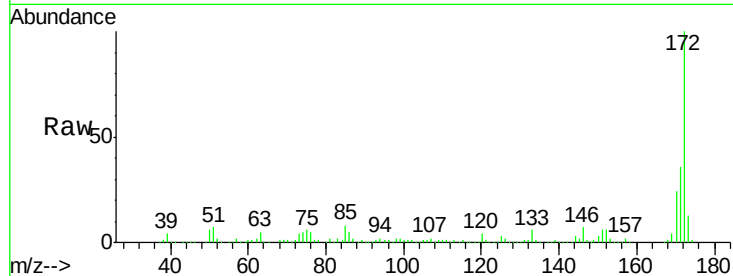
Tgt Ion:154 Resp: 3622

Ion Ratio Lower Upper

154 100

153 824.9 20.3 60.3#

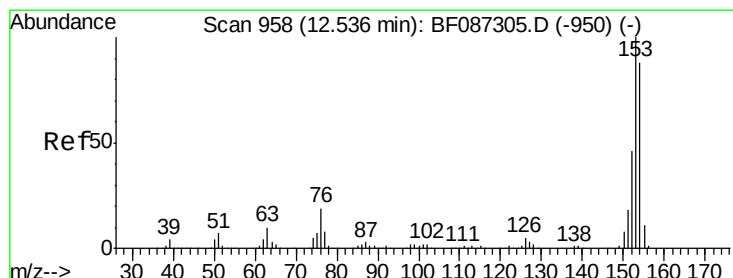
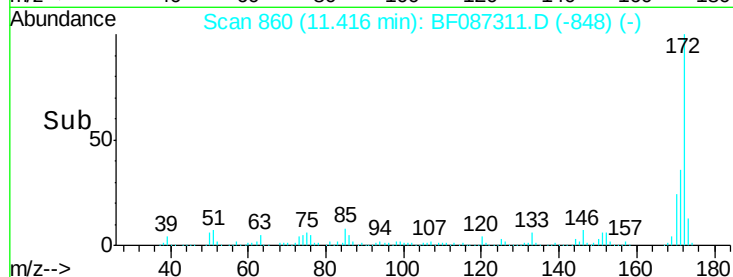
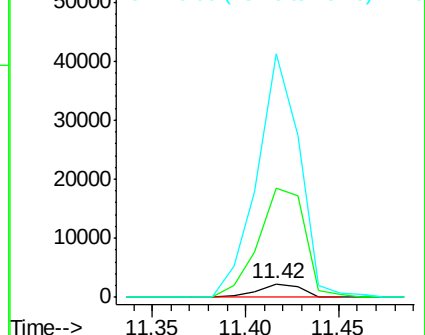
76 1832.3 0.0 30.2#



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: BF087311.D

Acq: 23 May 2016 21:08

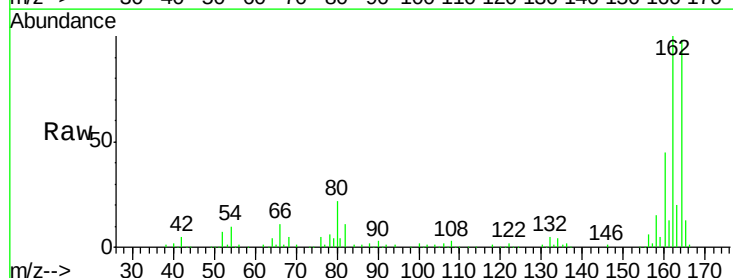
Tgt Ion:154 Resp: 957

Ion Ratio Lower Upper

154 100

153 0.0 89.8 134.6#

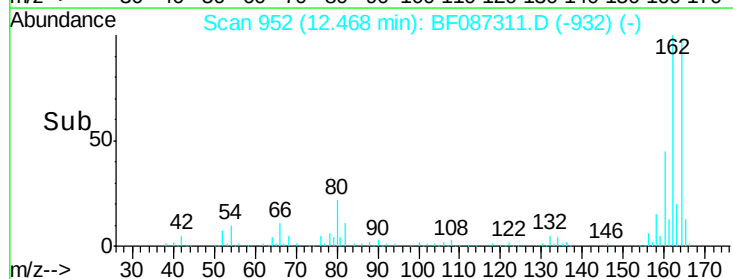
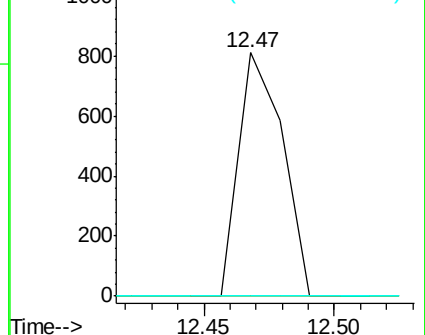
152 0.0 43.4 65.0#

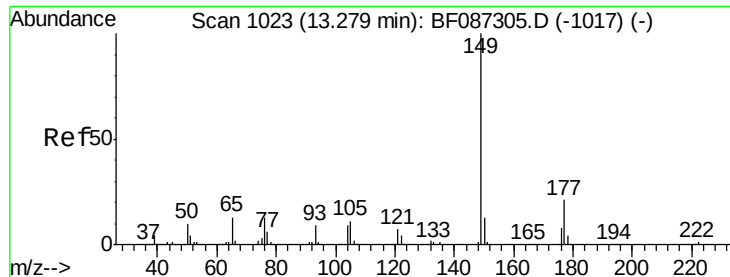


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#59

Diethylphthalate

Concen: 0.01 ng

RT: 13.28 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90743BL

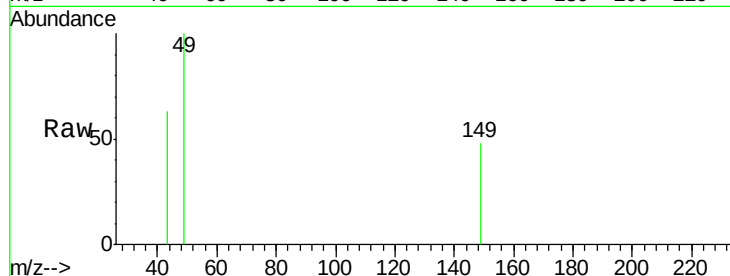
Tgt Ion: 149 Resp: 215

Ion Ratio Lower Upper

149 100

177 0.0 16.6 24.8#

150 0.0 10.0 15.0#



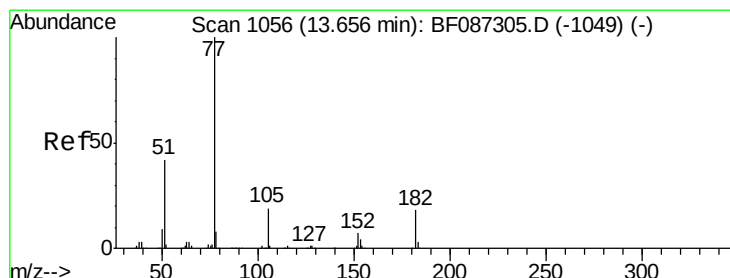
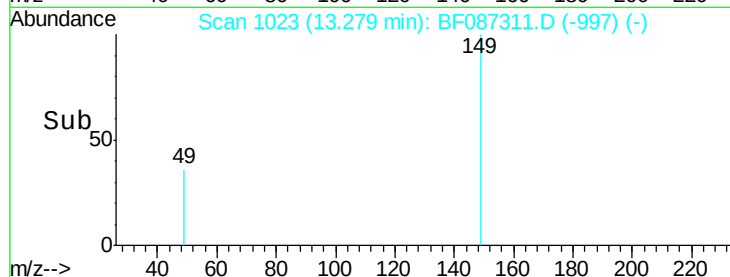
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

13.28

Time-->



#62

Azobenzene

Concen: 0.10 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.10 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

Tgt Ion: 77 Resp: 2353

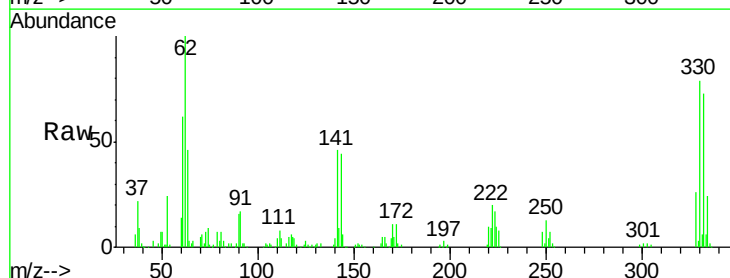
Ion Ratio Lower Upper

77 100

182 0.0 0.0 38.8

105 74.1 3.2 43.2#

51 107.5 8.8 48.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0

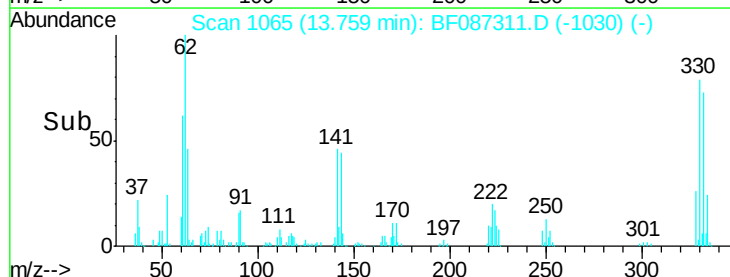
Ion 182.00 (181.70 to 182.70): E

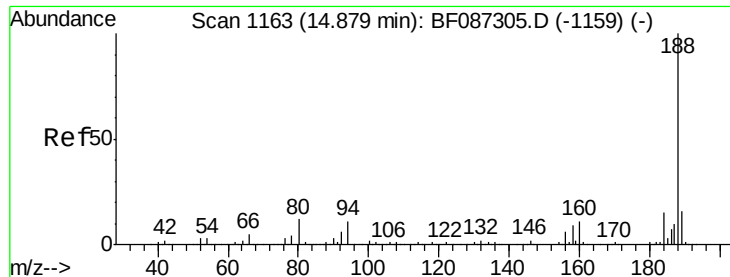
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

13.76

Time-->

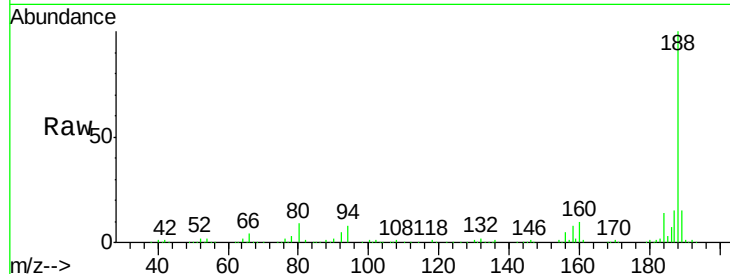




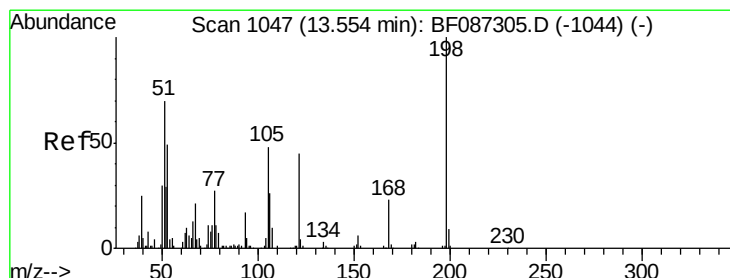
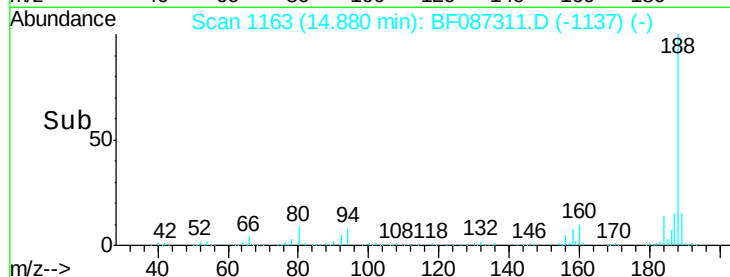
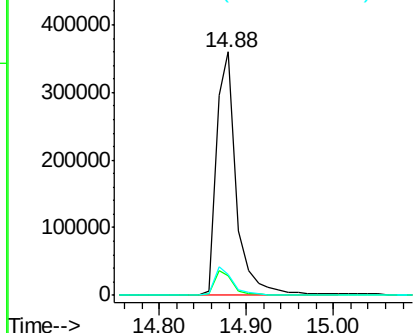
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: BF087311.D
 Acq: 23 May 2016 21:08

Instrument :
 BNA_F
 ClientSampleId :
 PB90743BL

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.8	10.2
80	8.6	7.1	10.7

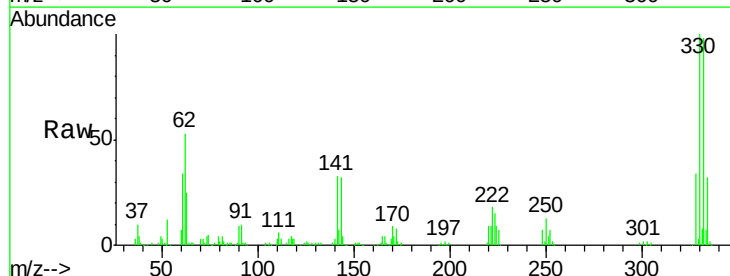


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

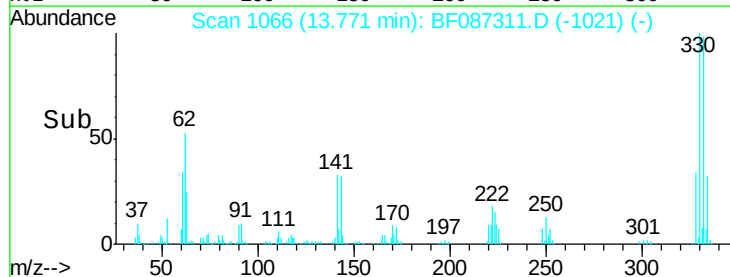
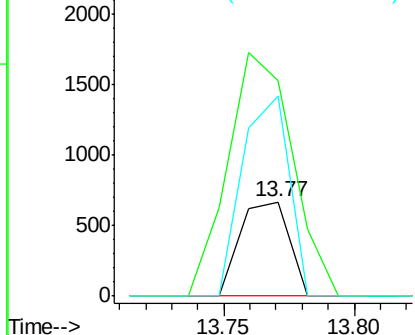


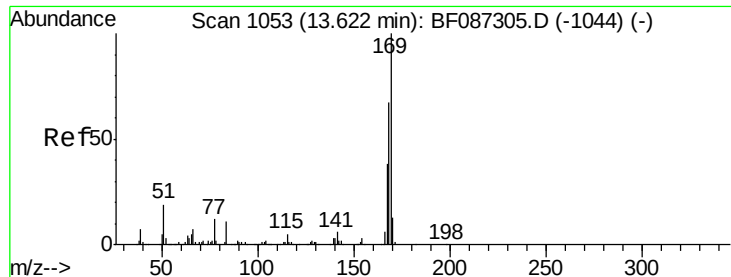
#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.24 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. 0.22 min
 Lab File: BF087311.D
 Acq: 23 May 2016 21:08

Tgt Ion	Ratio	Lower	Upper
198	100		
51	227.5	20.5	60.5#
105	211.4	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

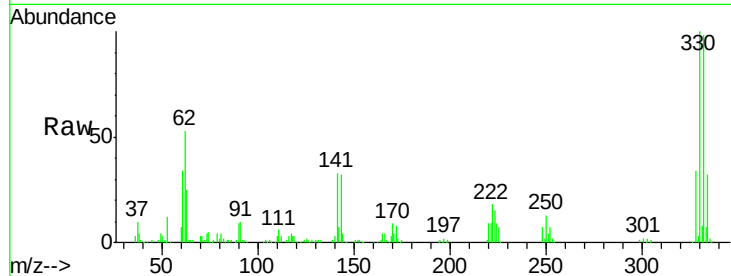




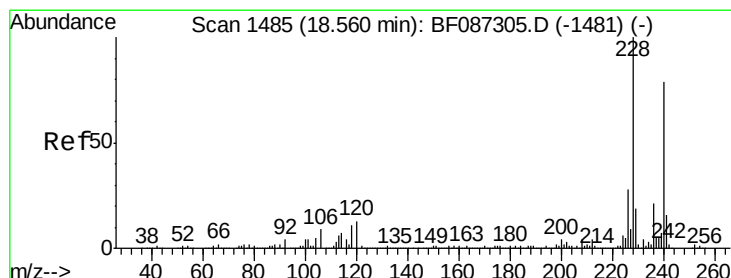
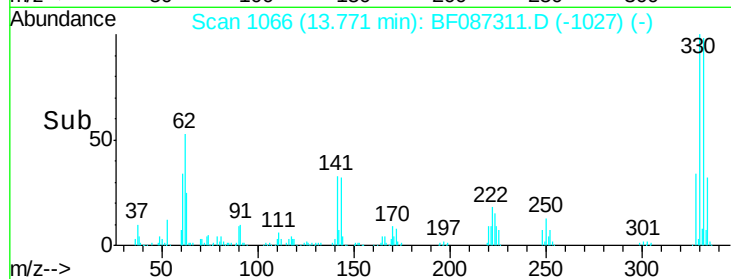
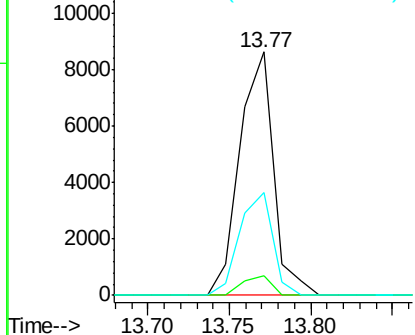
#65
 n-Nitrosodiphenylamine
 Concen: 0.66 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. 0.15 min
 Lab File: BF087311.D
 Acq: 23 May 2016 21:08

Instrument :
 BNA_F
 ClientSampleId :
 PB90743BL

Tgt Ion	Ratio	Lower	Upper
169	100		
168	8.2	53.8	80.6#
167	42.3	29.5	44.3

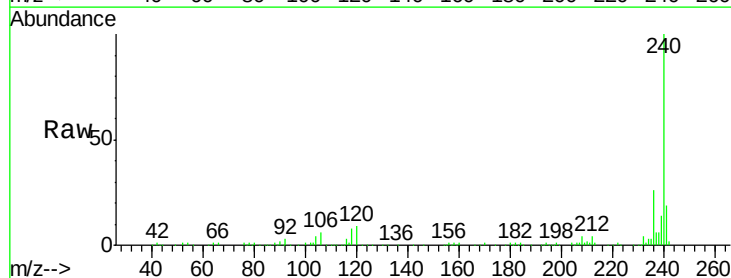


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

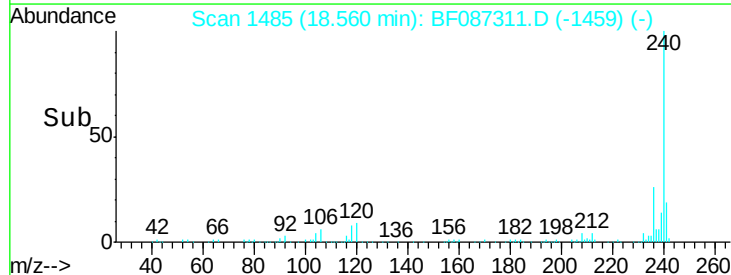
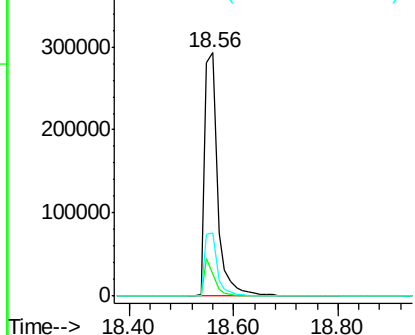


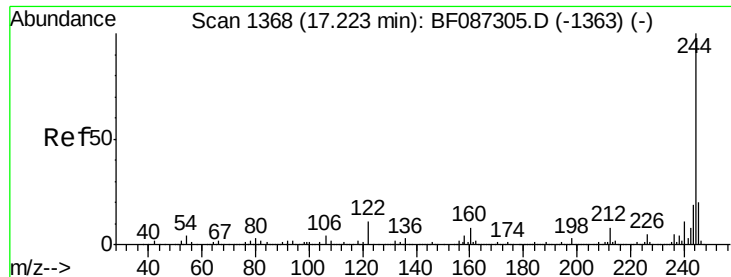
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.56 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: BF087311.D
 Acq: 23 May 2016 21:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	11.2	16.8#
236	26.2	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: 74.50 ng

RT: 17.22 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90743BL

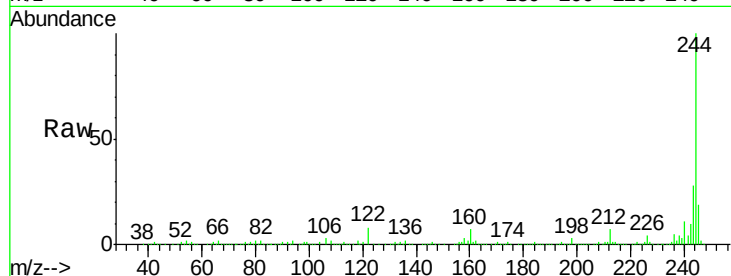
Tgt Ion:244 Resp: 1771861

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

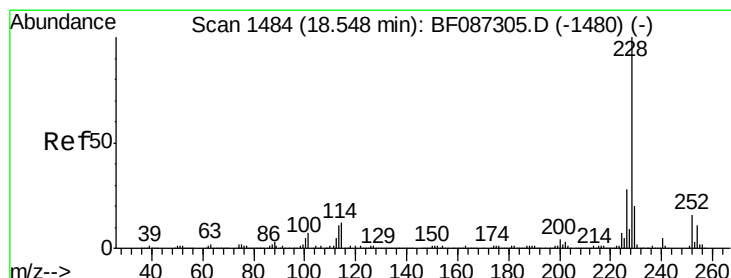
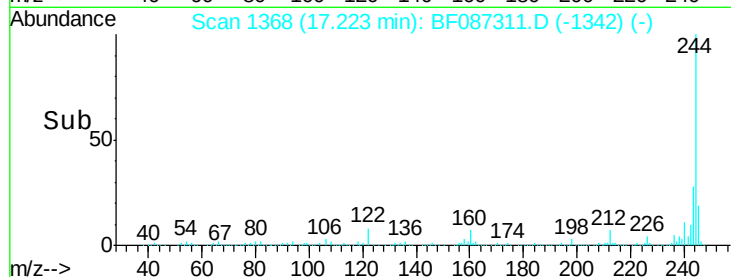
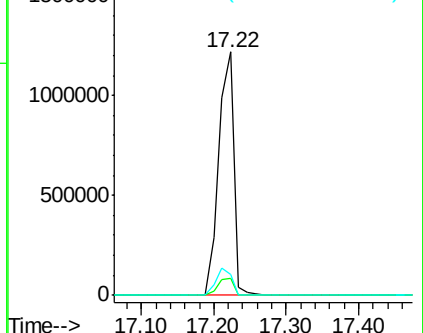
122 8.5 12.0 18.0#



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



#80

Benzo(a)anthracene

Concen: 0.04 ng

RT: 18.56 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

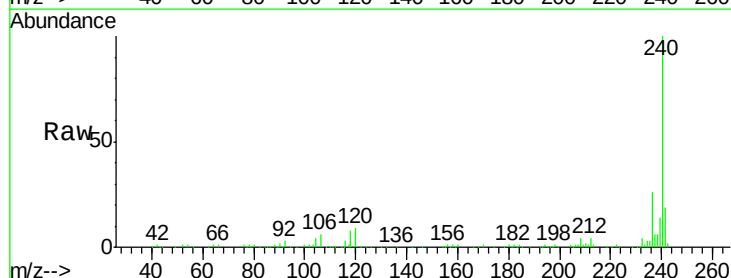
Tgt Ion:228 Resp: 1065

Ion Ratio Lower Upper

228 100

226 0.0 22.5 33.7#

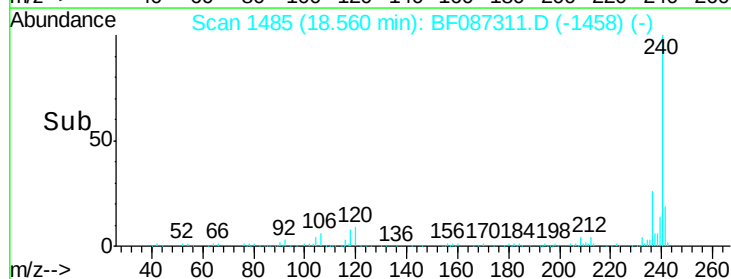
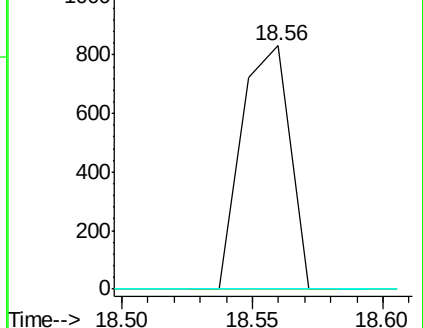
229 0.0 16.6 25.0#

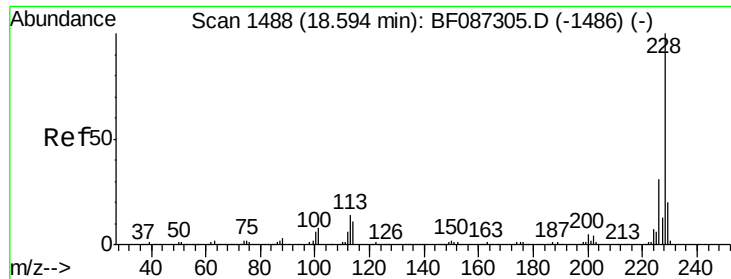


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.04 ng

RT: 18.56 min Scan# 1485

Delta R.T. -0.03 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

Instrument :

BNA_F

ClientSampled :

PB90743BL

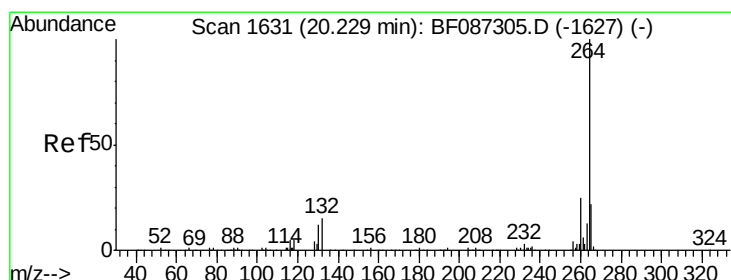
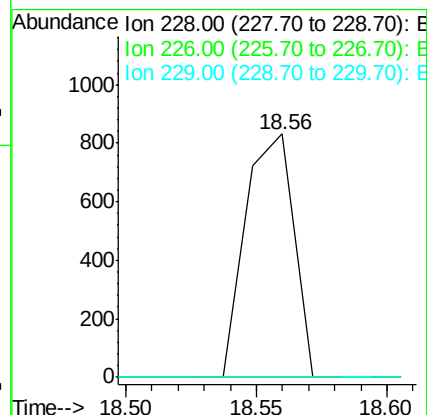
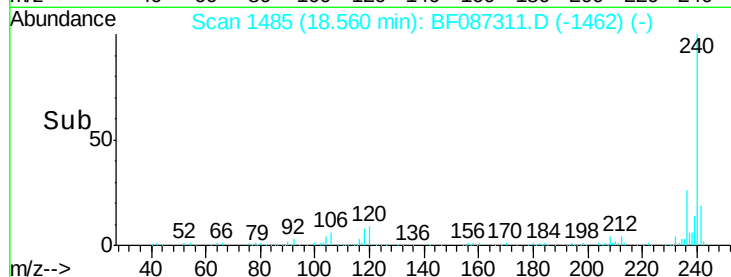
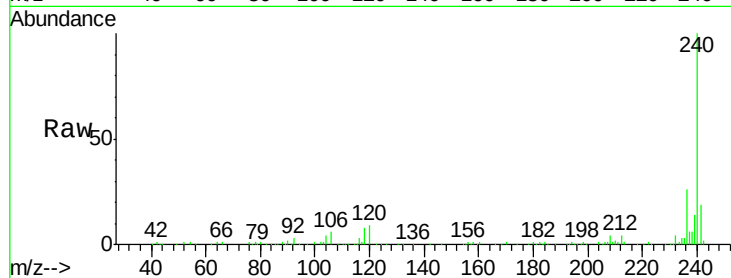
Tgt Ion: 228 Resp: 1065

Ion Ratio Lower Upper

228 100

226 0.0 24.4 36.6#

229 0.0 15.8 23.8#



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.22 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BF087311.D

Acq: 23 May 2016 21:08

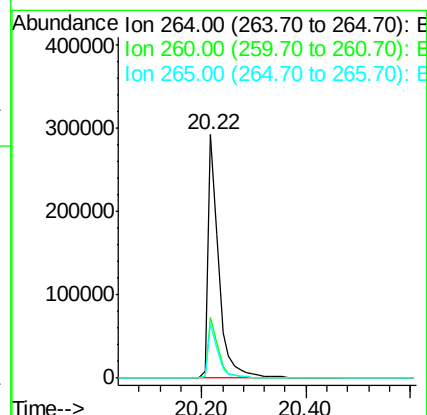
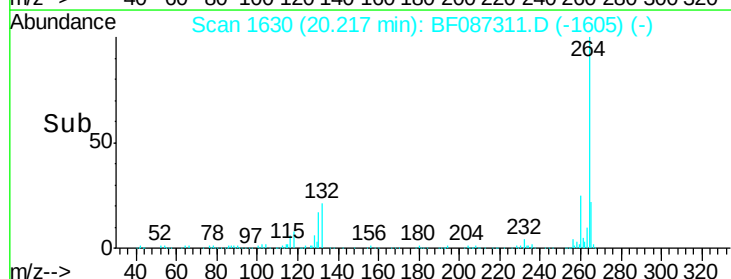
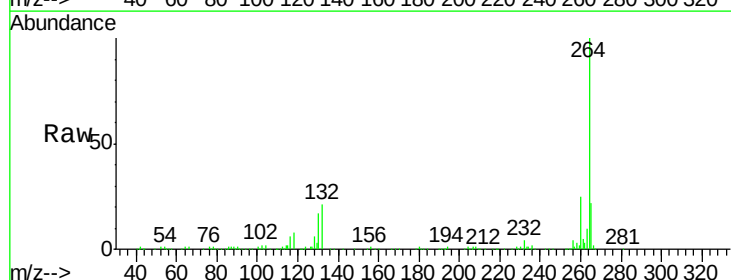
Tgt Ion: 264 Resp: 412900

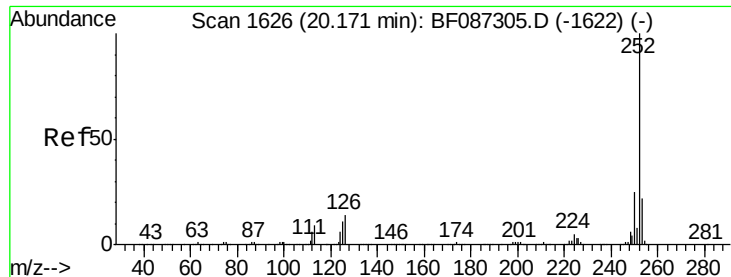
Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

265 22.2 17.3 25.9





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 20.22 min Scan# 1630

Delta R.T. 0.05 min

Lab File: BF087311.D

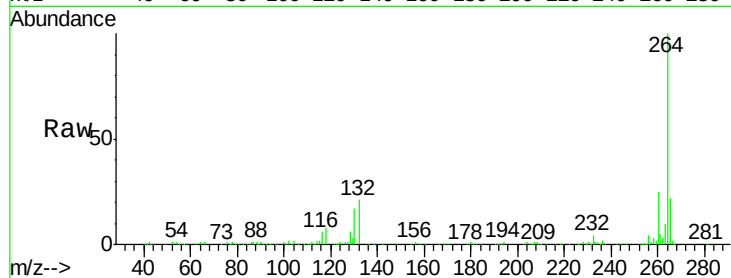
Acq: 23 May 2016 21:08

Instrument :

BNA_F

ClientSampleId :

PB90743BL



Tgt Ion:	252	Resp:	1186
Ion	Ratio	Lower	Upper
252	100		
253	36.7	17.2	25.8#
125	0.0	9.0	13.6#

