

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100515\
 Data File : BF082055.D
 Acq On : 5 Oct 2015 20:28
 Operator : UM/IZ
 Sample : G3867-02DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-5.0-6.0-092915DL

Quant Time: Oct 06 01:19:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 05 17:58:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.04	152	93810	20.00	ng	0.16
21) Naphthalene-d8	8.17	136	370591	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	177134	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	311323	20.00	ng	0.00
75) Chrysene-d12	14.06	240	269688	20.00	ng	0.00
86) Perylene-d12	15.50	264	232155	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	176183	34.09	ng	-0.01
7) Phenol-d6	6.50	99	257499	39.60	ng	-0.01
23) Nitrobenzene-d5	7.45	82	126808	22.81	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	58558	32.64	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	252957	20.19	ng	0.00
78) Terphenyl-d14	12.99	244	248242	23.75	ng	-0.01

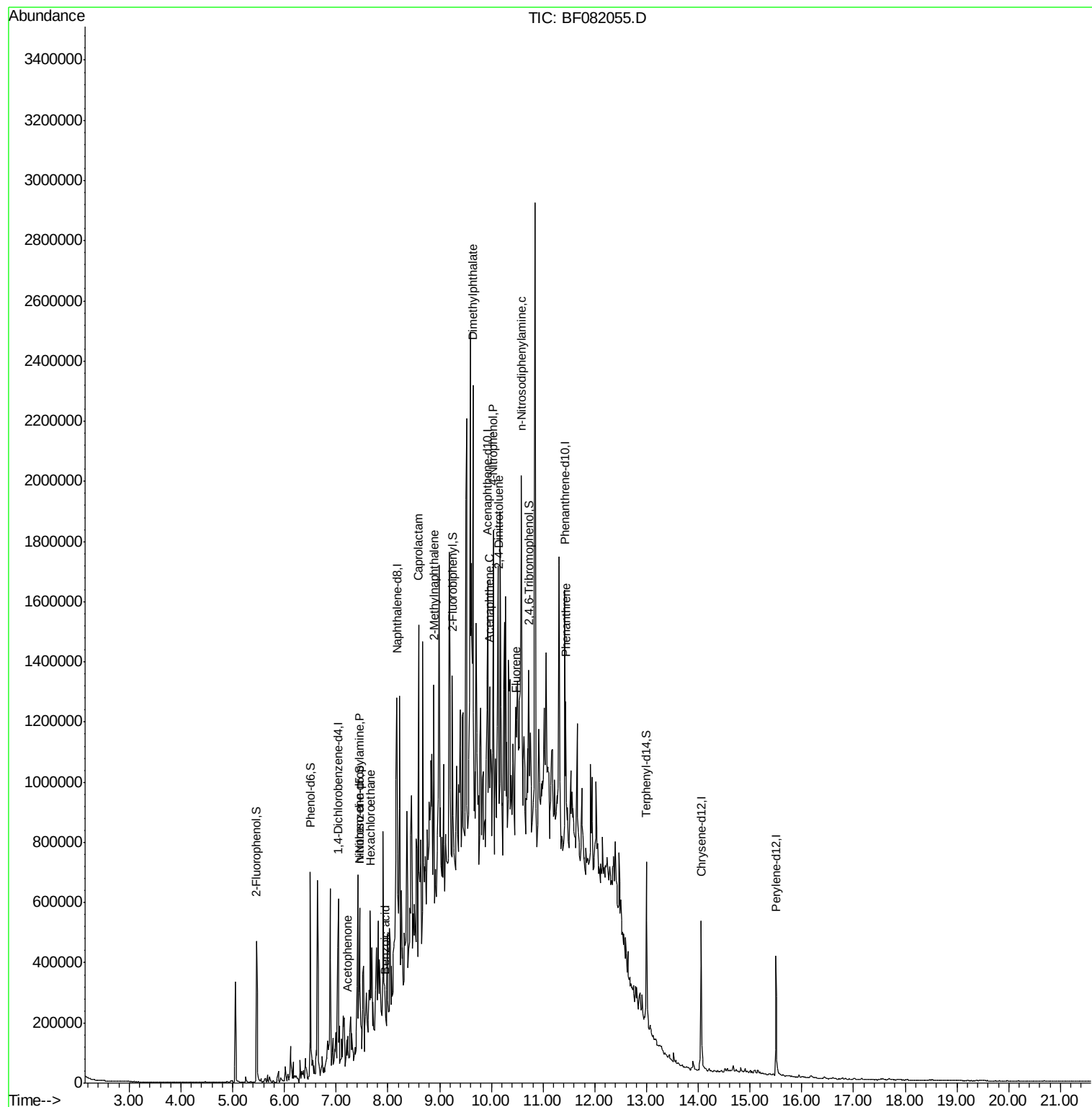
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.66	117	9871	4.48	ng	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	21495	5.44	ng	# 54
22) Acetophenone	7.22	105	18593	2.45	ng	# 51
32) Benzoic acid	7.95	122	3124	8.21	ng	# 8
35) Caprolactam	8.59	113	31449	22.98	ng	# 26
37) 2-Methylnaphthalene	8.89	142	316513	28.24	ng	# 92
49) Dimethylphthalate	9.65	163	64993	5.32	ng	# 98
51) Acenaphthene	9.97	154	28580	2.80	ng	# 39
53) 2,4-Dinitrophenol	10.00	184	226	Below Cal		# 1
55) 4-Nitrophenol	10.03	139	28441	12.82	ng	# 55
56) 2,4-Dinitrotoluene	10.14	165	14484	4.28	ng	# 68
57) Fluorene	10.48	166	63138	4.19	ng	# 84
65) n-Nitrosodiphenylamine	10.58	169	148725	15.79	ng	# 48
70) Phenanthrene	11.44	178	195382	11.81	ng	# 94
73) Di-n-butylphthalate	11.98	149	2992	Below Cal		# 25

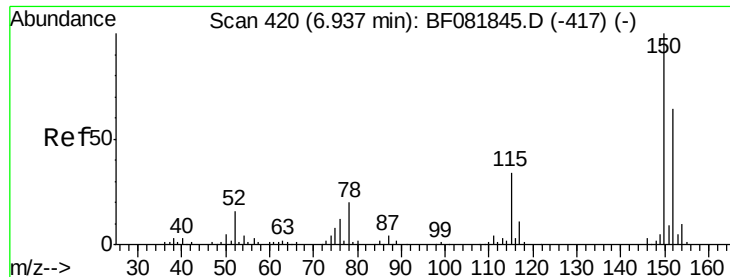
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.04 min Scan# 429

Delta R.T. 0.16 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-6.0-092915DL

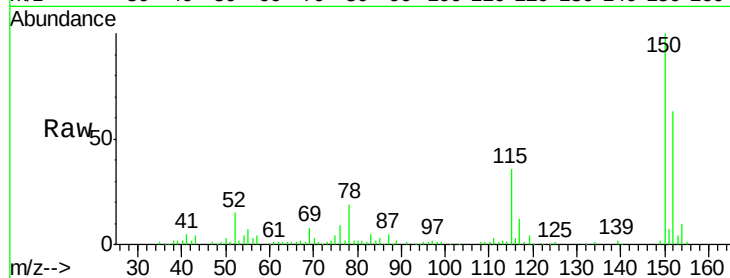
Tgt Ion:152 Resp: 93810

Ion Ratio Lower Upper

152 100

150 158.5 124.7 187.1

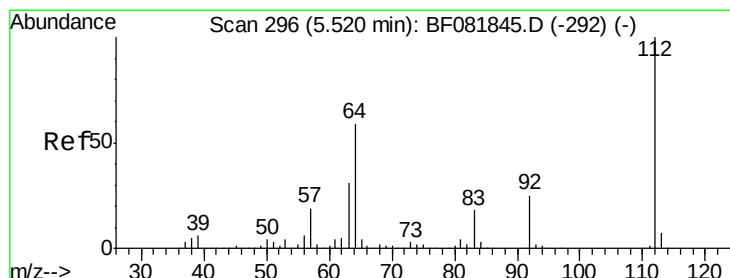
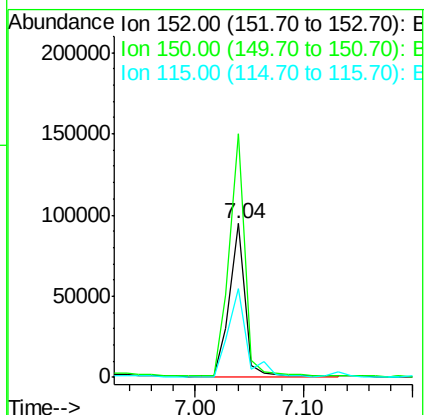
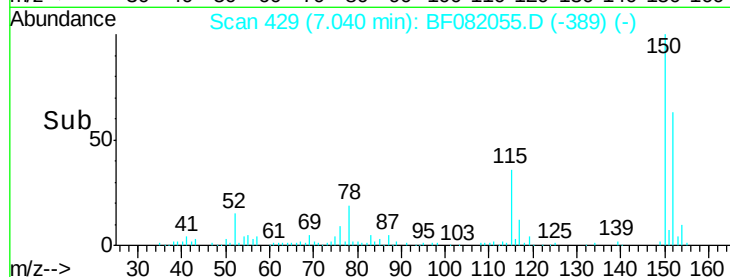
115 57.4 39.0 58.4



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: 34.09 ng

RT: 5.46 min Scan# 291

Delta R.T. -0.01 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

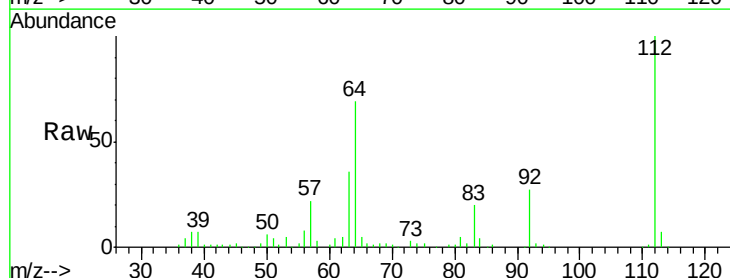
Tgt Ion:112 Resp: 176183

Ion Ratio Lower Upper

112 100

64 68.8 39.7 59.5#

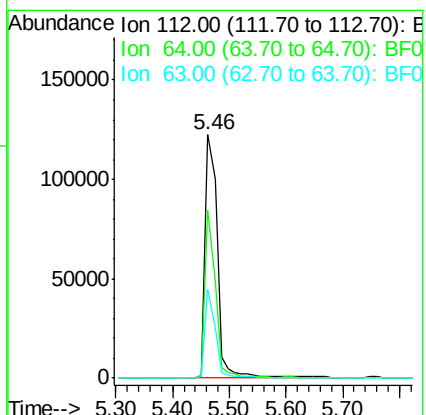
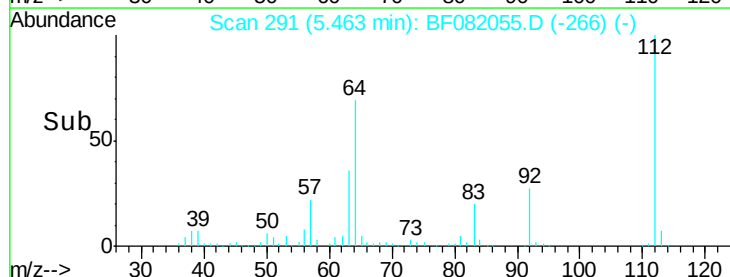
63 36.2 17.4 26.0#

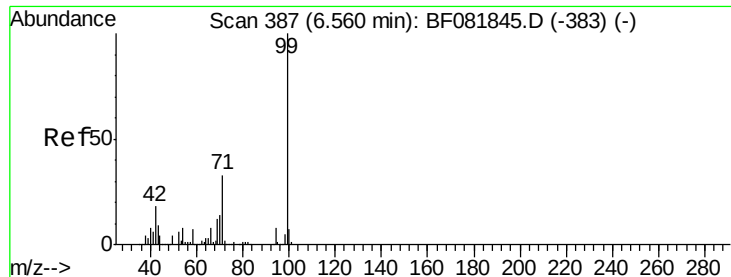


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.60 ng

RT: 6.50 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-6.0-092915DL

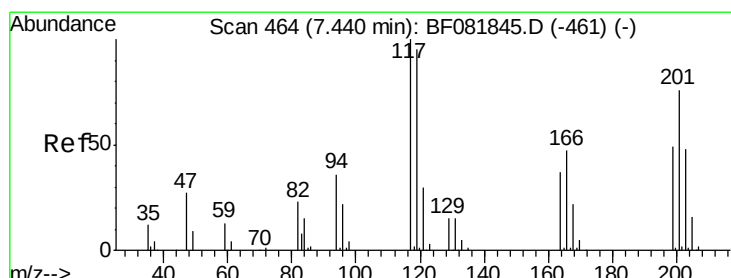
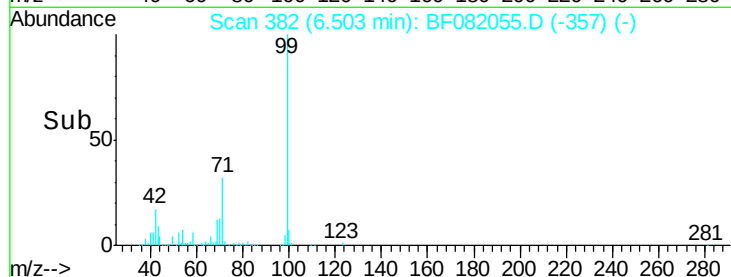
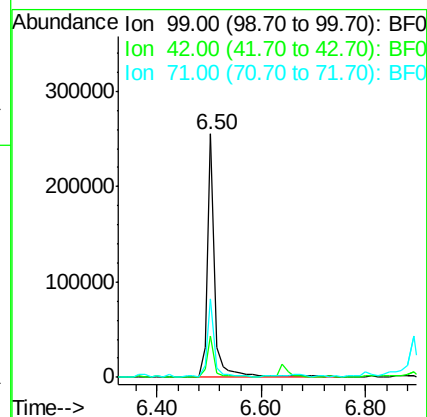
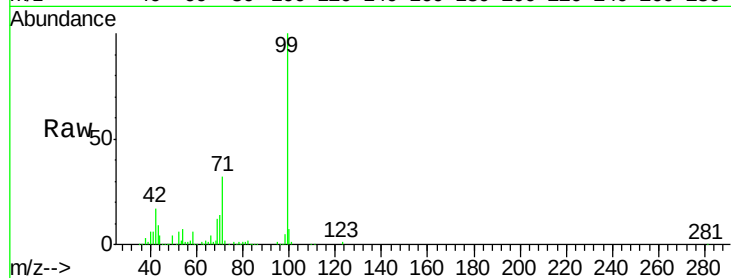
Tgt Ion: 99 Resp: 257499

Ion Ratio Lower Upper

99 100

42 17.0 13.7 20.5

71 32.2 14.2 21.2#



#18

Hexachloroethane

Concen: 4.48 ng

RT: 7.66 min Scan# 483

Delta R.T. 0.26 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

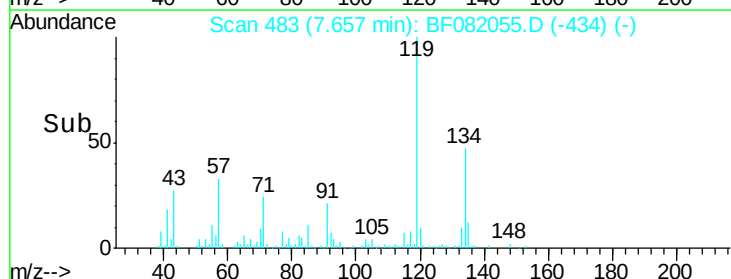
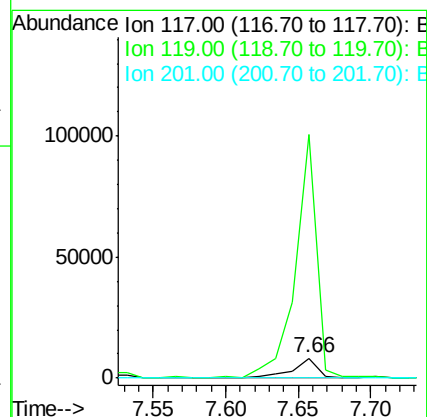
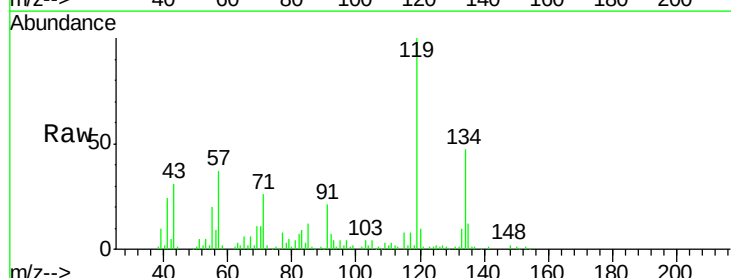
Tgt Ion: 117 Resp: 9871

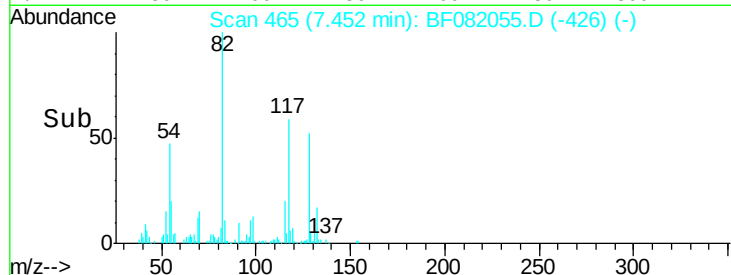
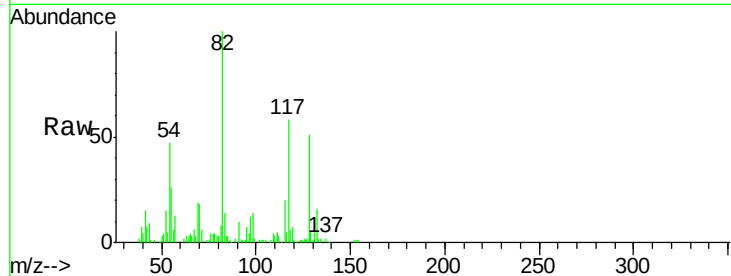
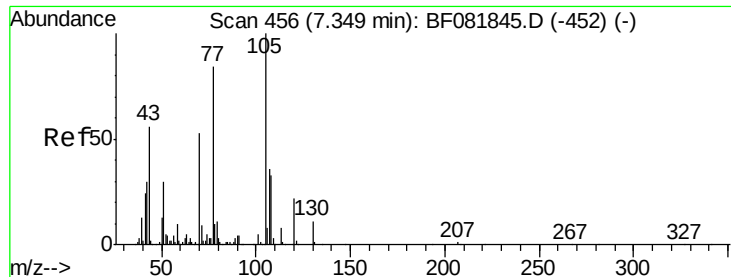
Ion Ratio Lower Upper

117 100

119 1215.0 83.8 125.6#

201 0.0 55.1 82.7#

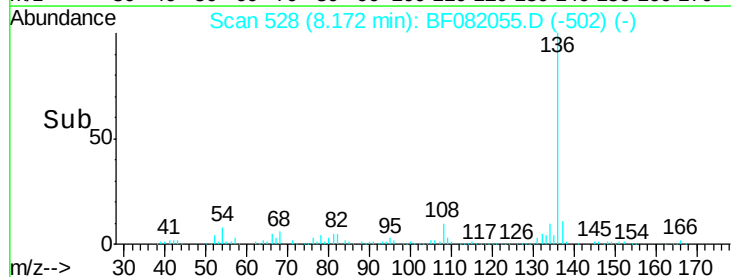
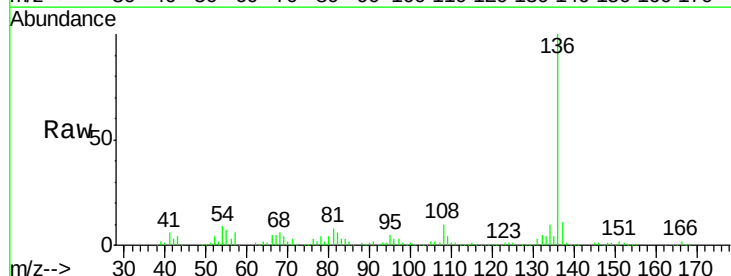
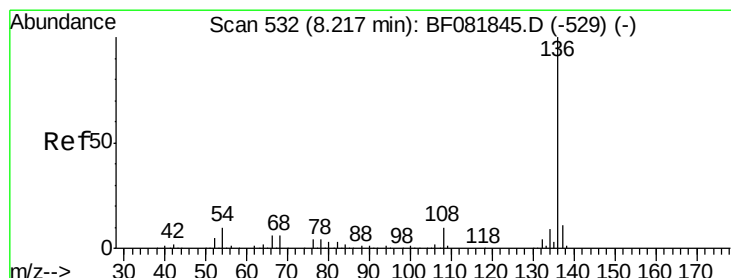
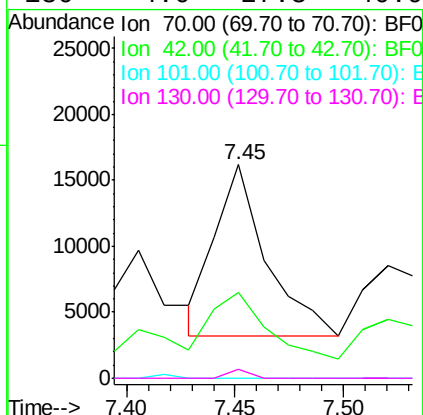




#19
n-Nitroso-di-n-propylamine
Concen: 5.44 ng
RT: 7.45 min Scan# 465
Delta R.T. 0.15 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

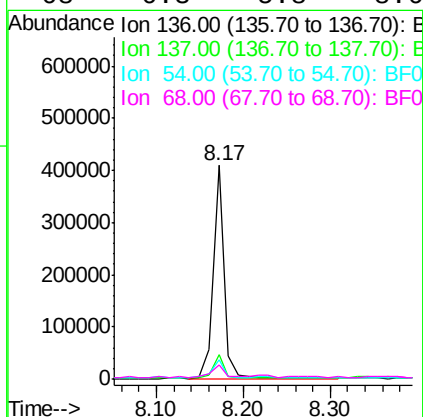
Instrument :
BNA_F
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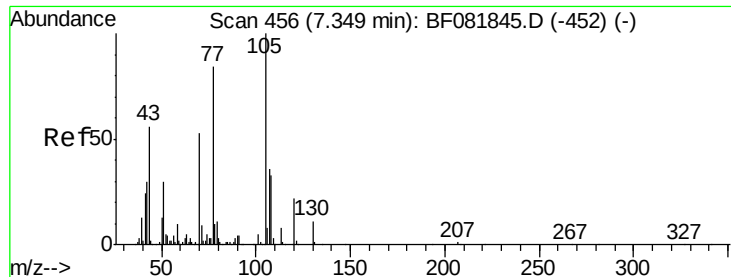
Tgt Ion:	70	Resp:	21495
Ion	Ratio	Lower	Upper
70	100		
42	40.2	63.8	95.6#
101	0.0	9.2	13.8#
130	4.0	27.3	40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:	136	Resp:	370591
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	8.8	8.2	12.2
68	6.3	5.8	8.6





#22

Acetophenone

Concen: 2.45 ng

RT: 7.22 min Scan# 445

Delta R.T. -0.08 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-6.0-092915DL

Tgt Ion:105 Resp: 18593

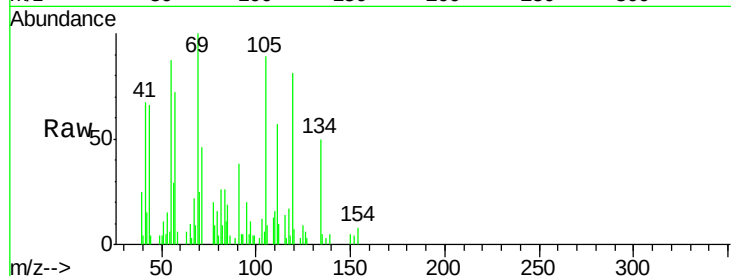
Ion Ratio Lower Upper

105 100

71 51.5 4.7 7.1#

51 12.5 22.0 33.0#

120 7.6 30.1 45.1#



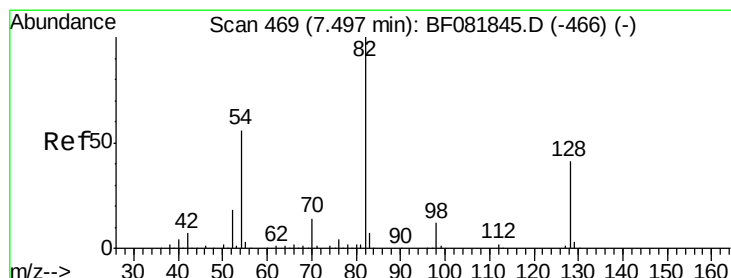
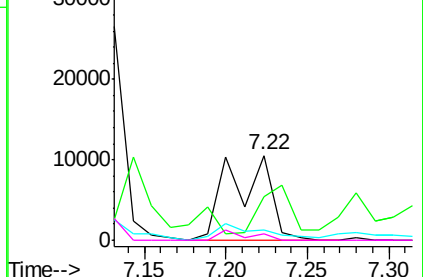
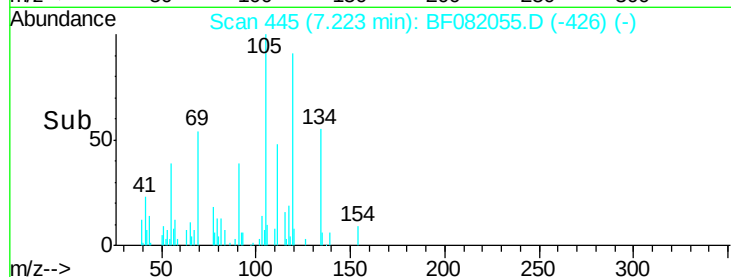
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 22.81 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.00 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

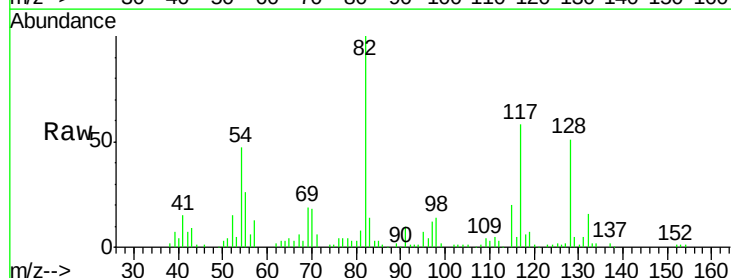
Tgt Ion: 82 Resp: 126808

Ion Ratio Lower Upper

82 100

128 51.5 51.0 76.6

54 46.9 47.5 71.3#

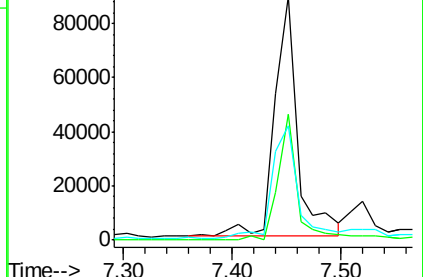
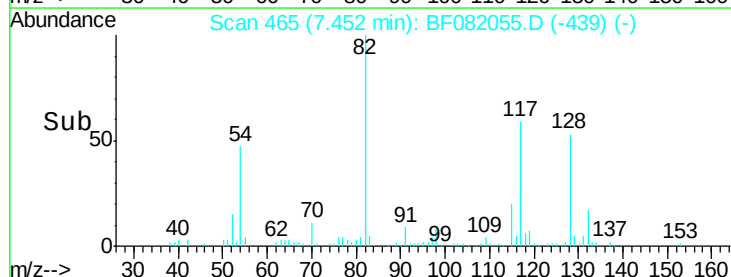


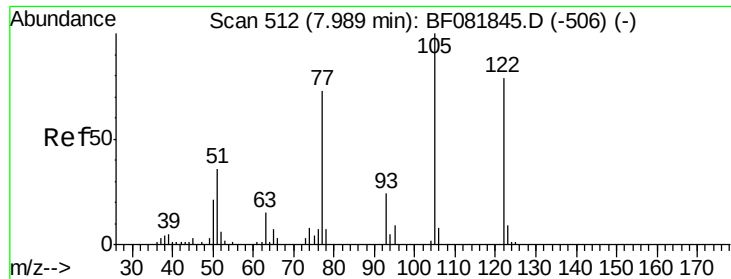
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->

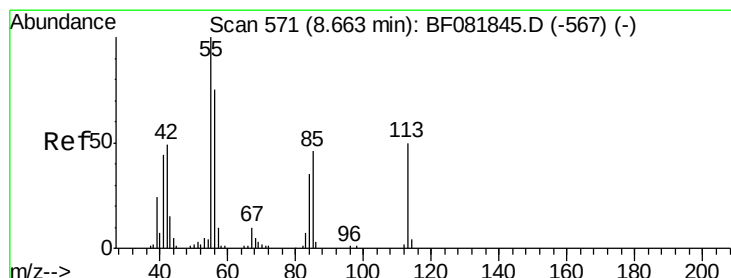
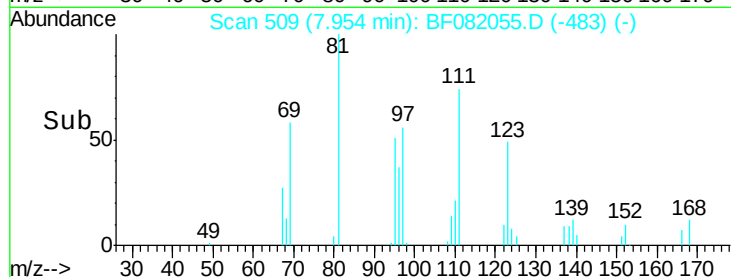
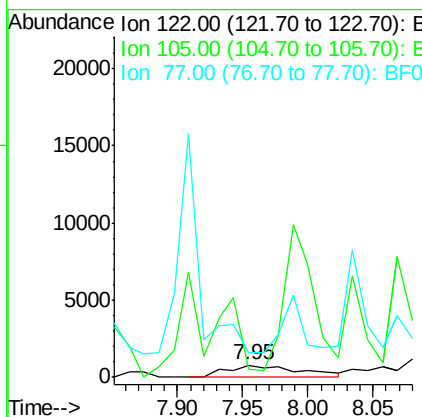
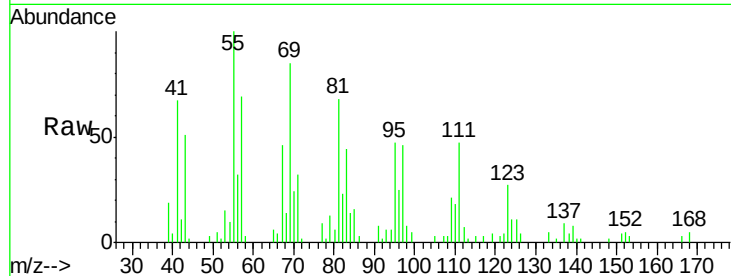




#32
Benzoic acid
Concen: 8.21 ng
RT: 7.95 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

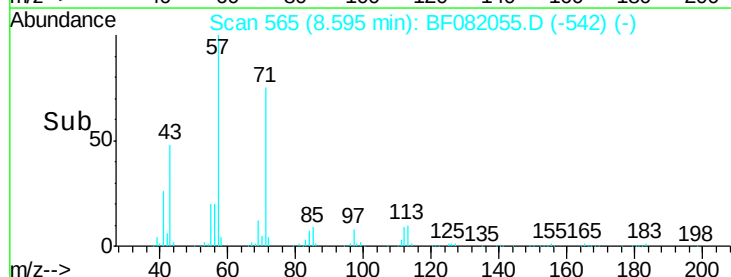
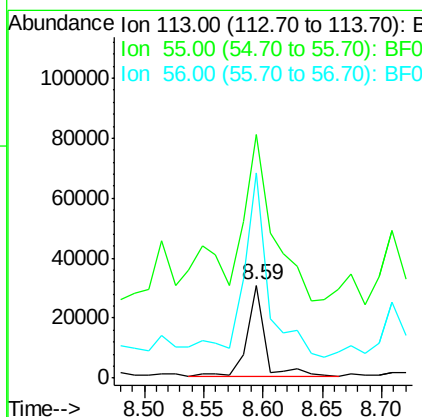
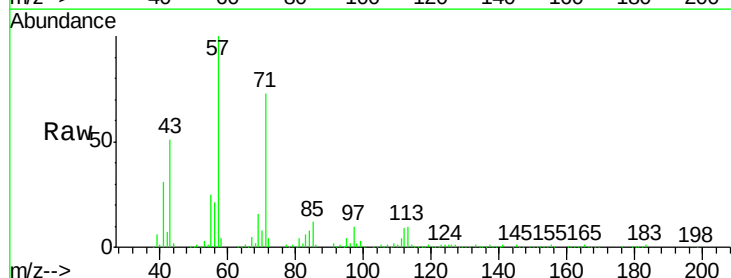
Instrument :
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ClientSampleId :
SB-07-5.0-6.0-092915DL

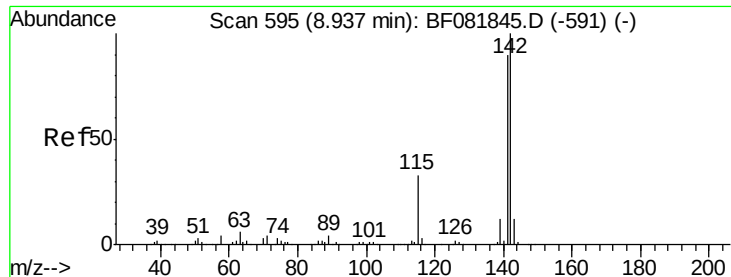
Tgt Ion:122 Resp: 3124
Ion Ratio Lower Upper
122 100
105 63.9 76.1 116.1#
77 202.2 40.5 80.5#



#35
Caprolactam
Concen: 22.98 ng
RT: 8.59 min Scan# 565
Delta R.T. -0.03 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:113 Resp: 31449
Ion Ratio Lower Upper
113 100
55 262.4 152.4 192.4#
56 221.5 104.6 144.6#

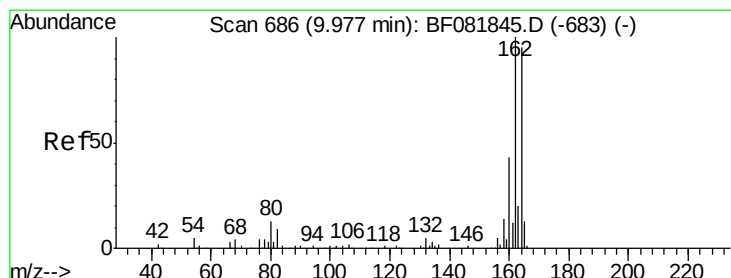
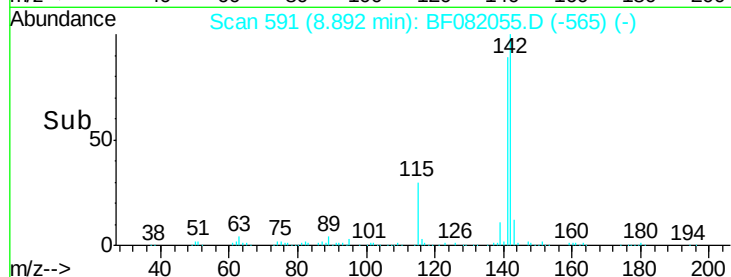
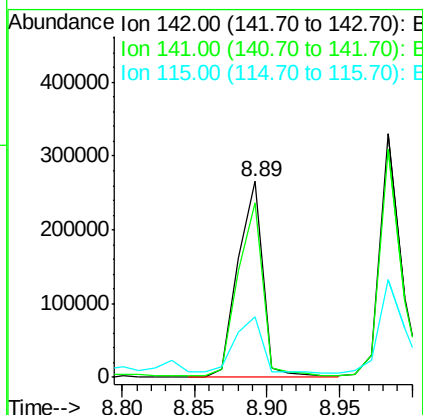
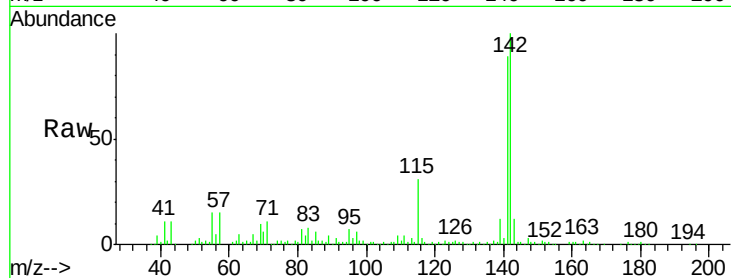




#37
 2-Methylnaphthalene
 Concen: 28.24 ng
 RT: 8.89 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: BF082055.D
 Acq: 5 Oct 2015 20:28

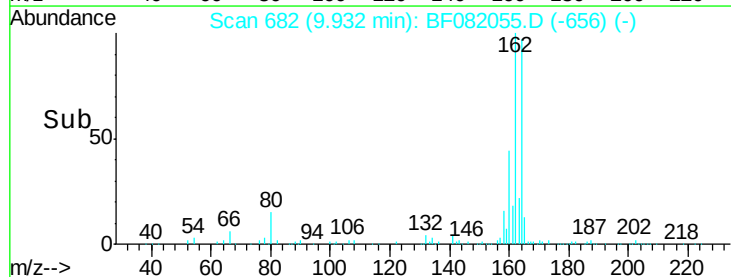
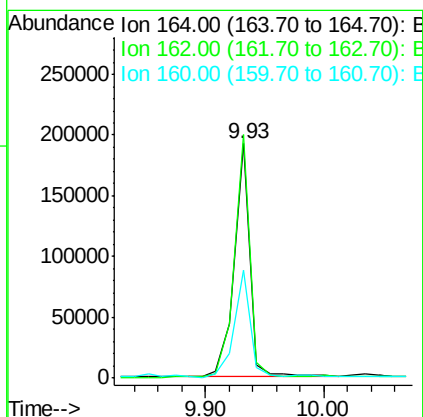
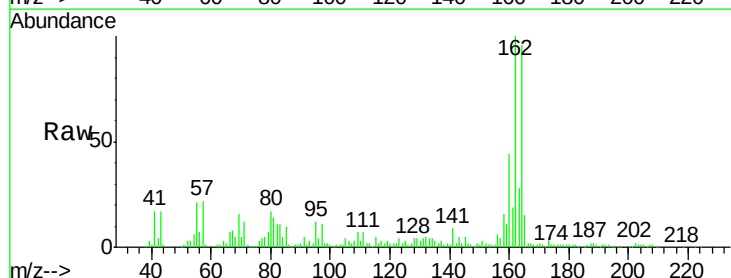
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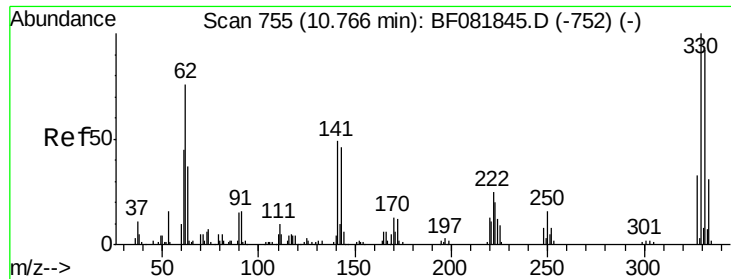
Tgt Ion:142 Resp: 316513
 Ion Ratio Lower Upper
 142 100
 141 89.3 67.5 101.3
 115 30.8 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BF082055.D
 Acq: 5 Oct 2015 20:28

Tgt Ion:164 Resp: 177134
 Ion Ratio Lower Upper
 164 100
 162 103.8 75.2 112.8
 160 46.1 31.5 47.3

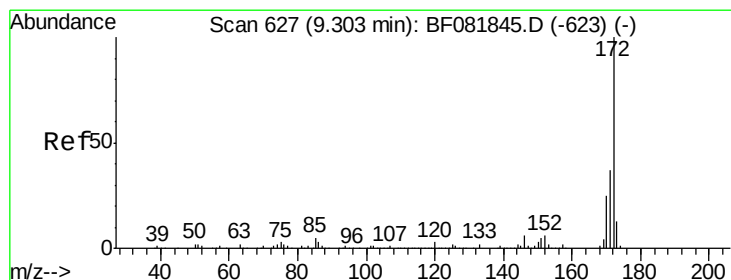
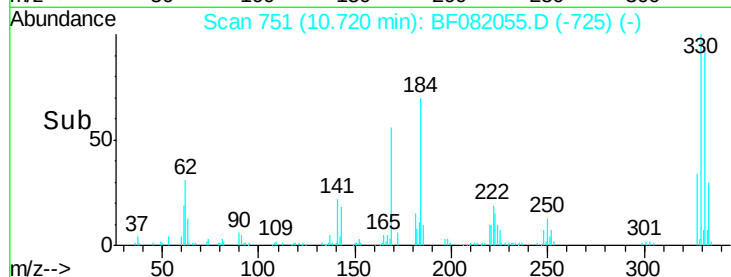
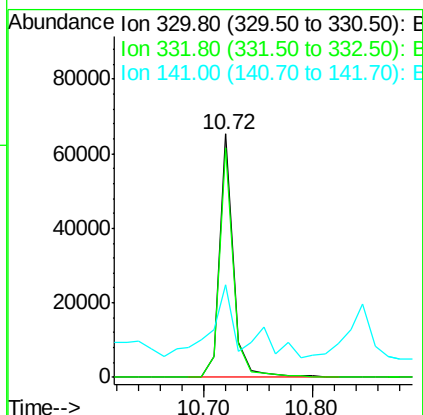
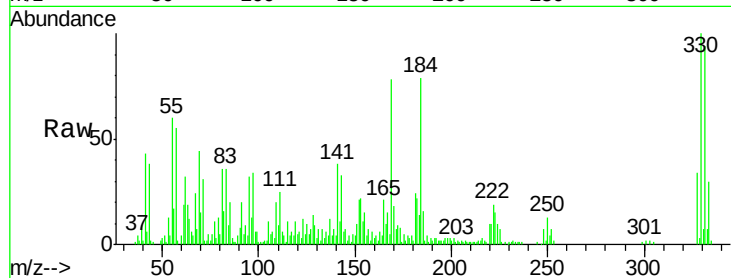




#41
 2,4,6-Tribromophenol
 Concen: 32.64 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082055.D
 Acq: 5 Oct 2015 20:28

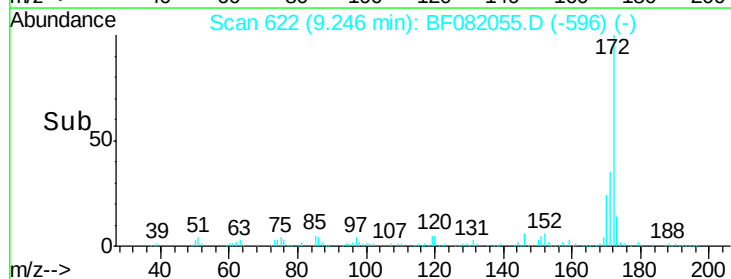
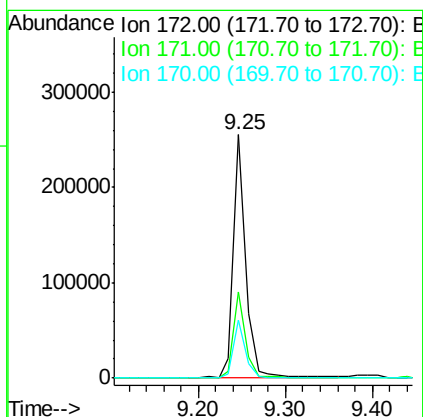
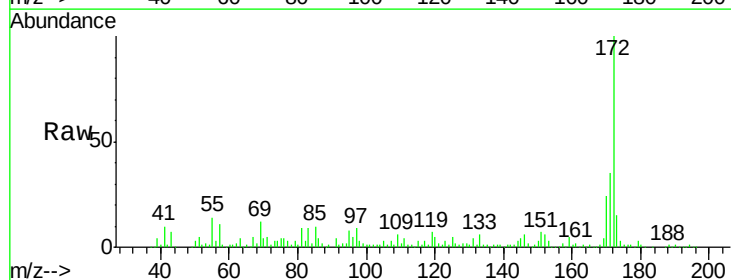
Instrument :
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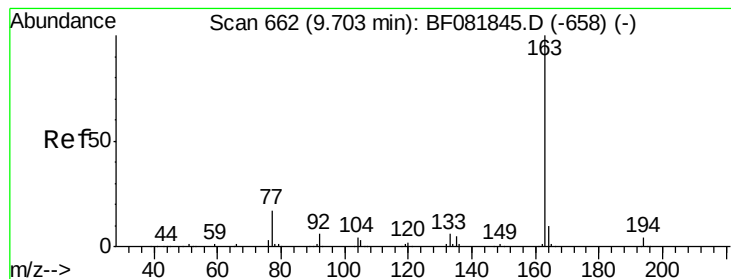
Tgt Ion:330 Resp: 58558
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.6 114.8
 141 47.9 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 20.19 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082055.D
 Acq: 5 Oct 2015 20:28

Tgt Ion:172 Resp: 252957
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 23.9 17.4 26.2





#49

Dimethylphthalate

Concen: 5.32 ng

RT: 9.65 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

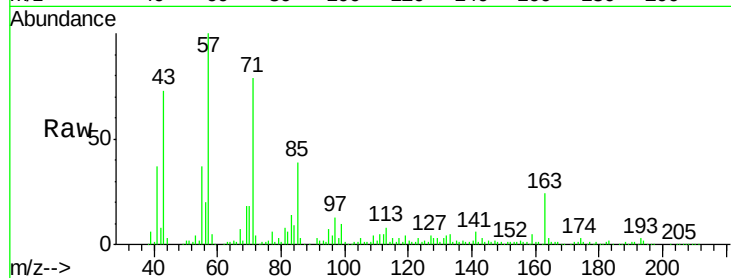
Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-6.0-092915DL

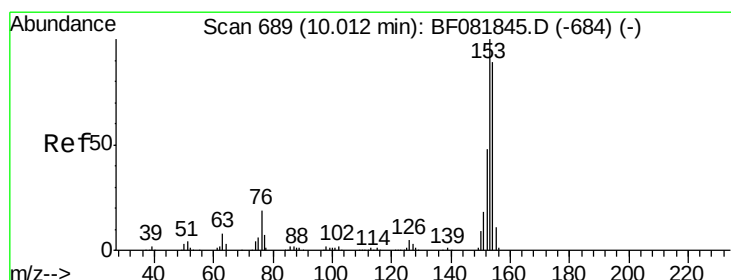
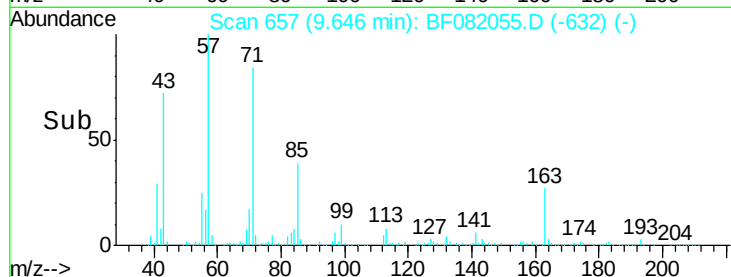
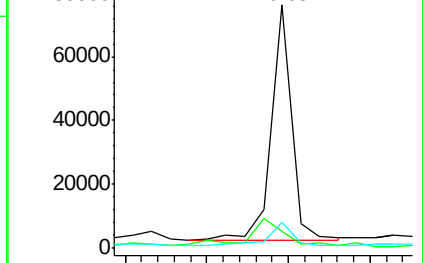
Tgt Ion:163	Resp:	64993
Ion Ratio	Lower	Upper
163	100	
194	6.8	4.4 6.6#
164	10.9	8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.80 ng

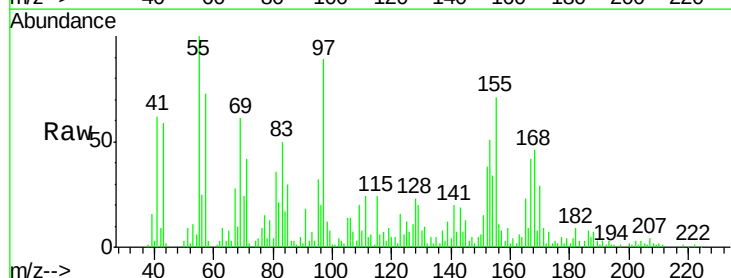
RT: 9.97 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

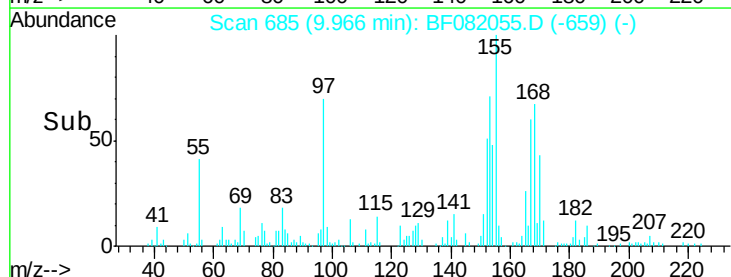
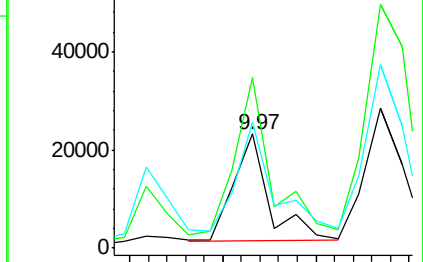
Tgt Ion:154	Resp:	28580
Ion Ratio	Lower	Upper
154	100	
153	149.9	82.1 123.1#
152	109.9	37.9 56.9#

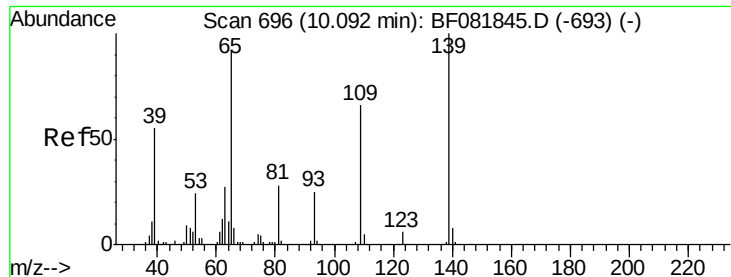


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

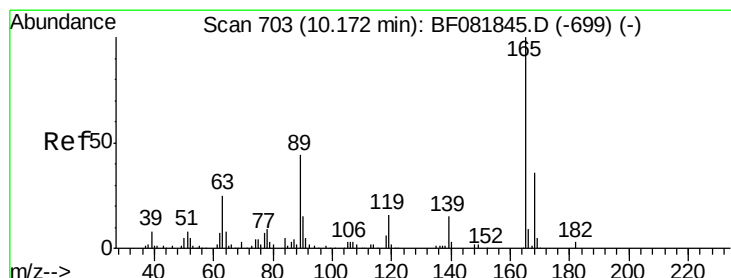
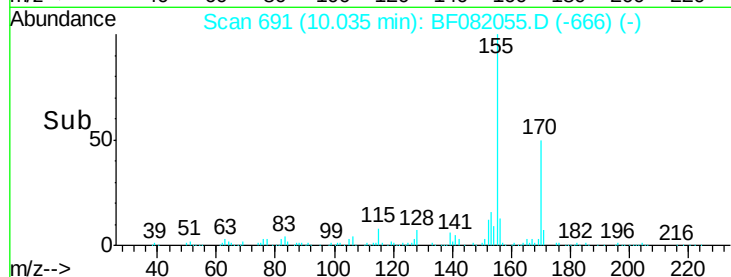
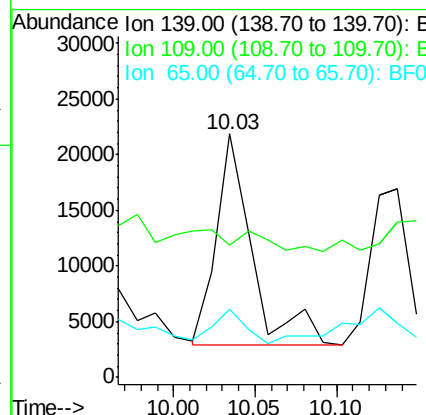
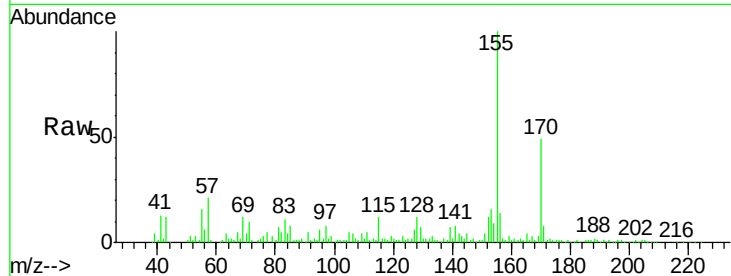




#55
4-Nitrophenol
Concen: 12.82 ng
RT: 10.03 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

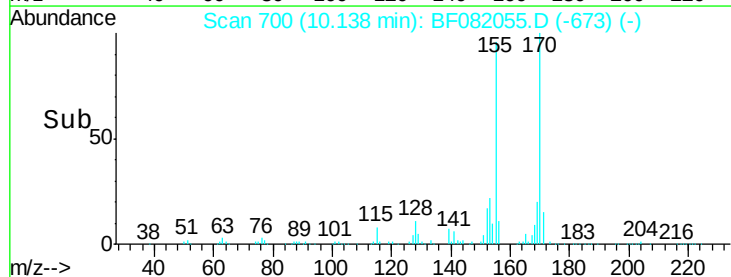
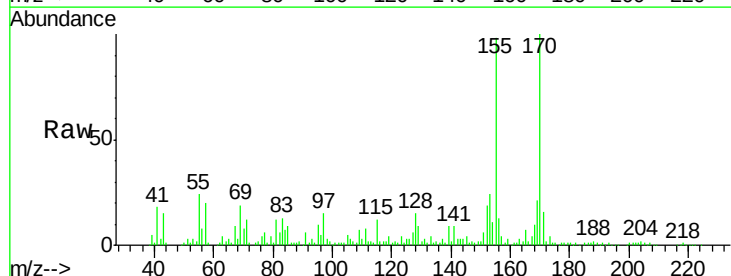
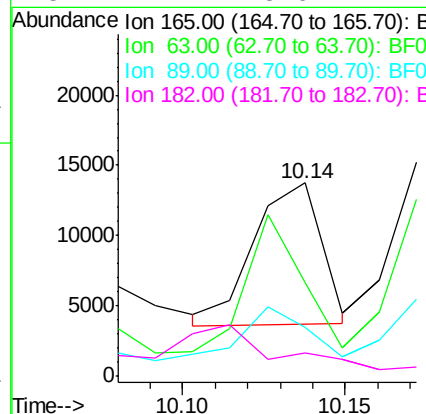
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-6.0-092915DL

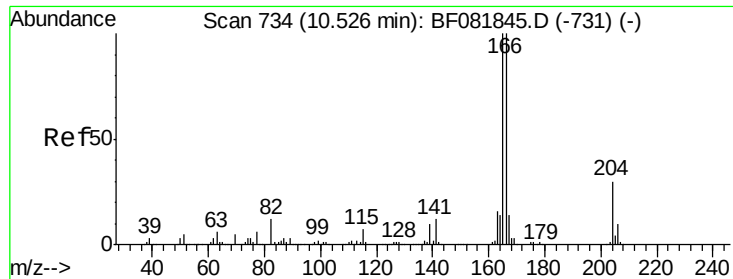
Tgt Ion:139 Resp: 28441
Ion Ratio Lower Upper
139 100
109 54.4 12.7 52.7#
65 27.8 45.9 85.9#



#56
2,4-Dinitrotoluene
Concen: 4.28 ng
RT: 10.14 min Scan# 700
Delta R.T. 0.01 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:165 Resp: 14484
Ion Ratio Lower Upper
165 100
63 48.5 29.8 44.6#
89 25.3 44.5 66.7#
182 11.7 3.0 4.4#

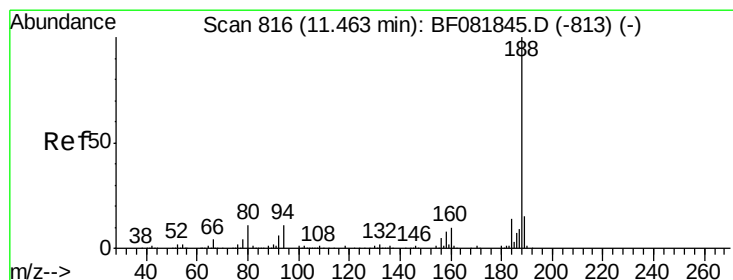
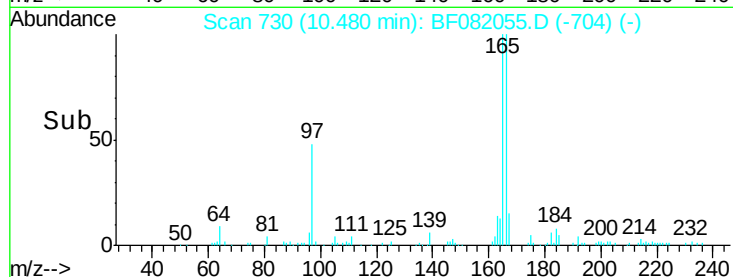
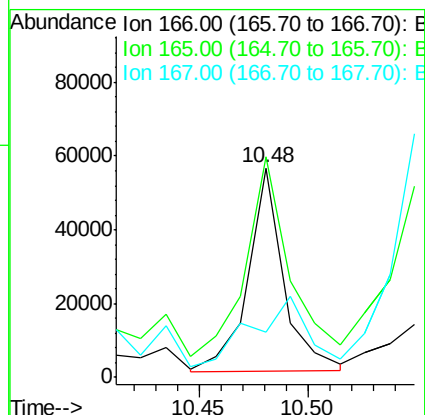
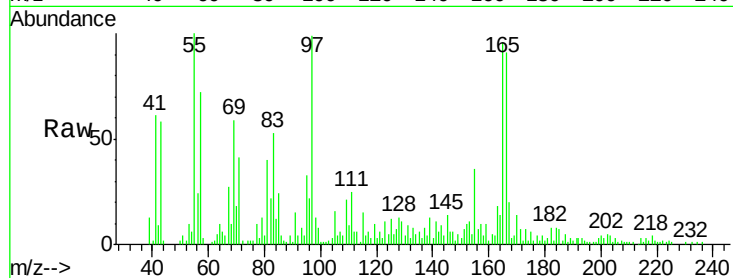




#57
Fluorene
Concen: 4.19 ng
RT: 10.48 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

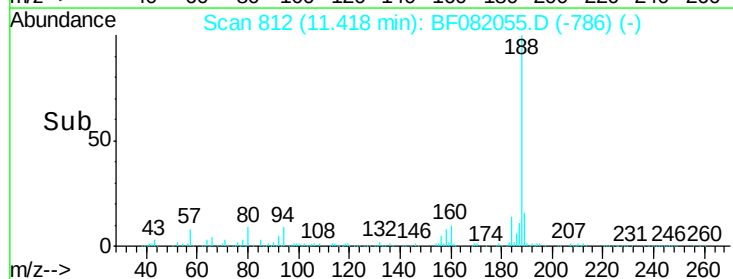
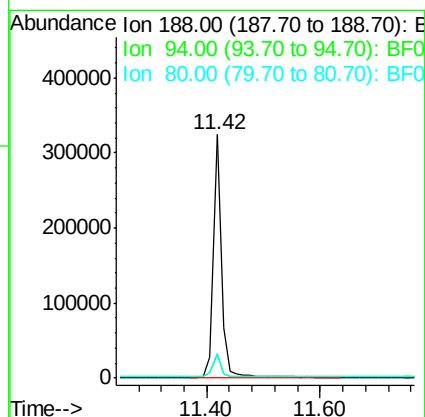
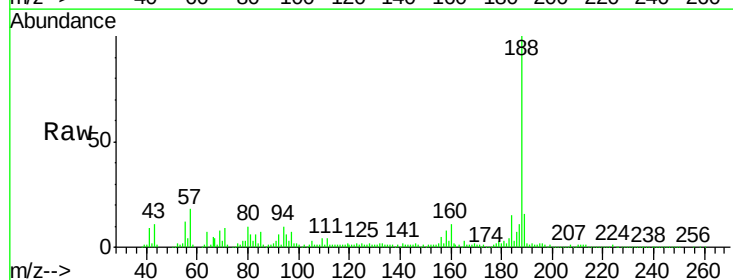
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-6.0-092915DL

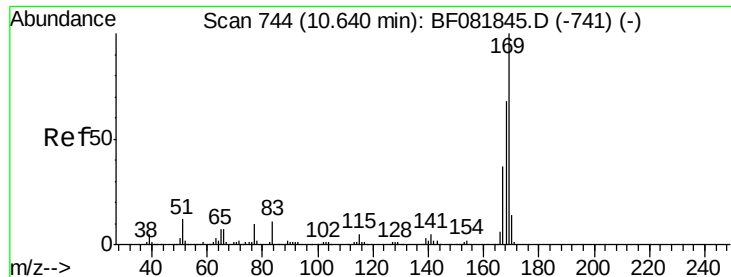
Tgt Ion:166 Resp: 63138
Ion Ratio Lower Upper
166 100
165 105.4 72.6 109.0
167 21.8 10.6 16.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Tgt Ion:188 Resp: 311323
Ion Ratio Lower Upper
188 100
94 9.7 11.1 16.7#
80 10.2 11.0 16.4#





#65

n-Nitrosodiphenylamine

Concen: 15.79 ng

RT: 10.58 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-6.0-092915DL

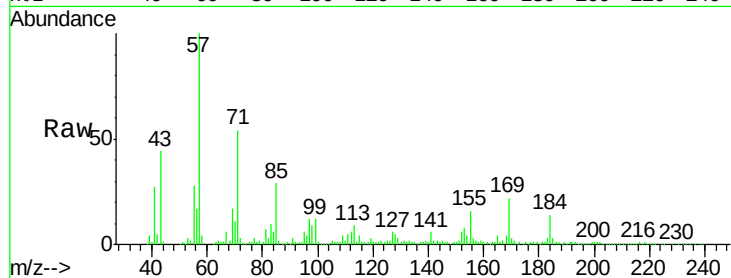
Tgt Ion:169 Resp: 148725

Ion Ratio Lower Upper

169 100

168 15.8 48.9 73.3#

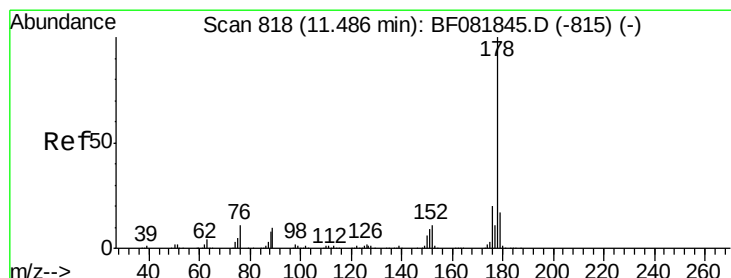
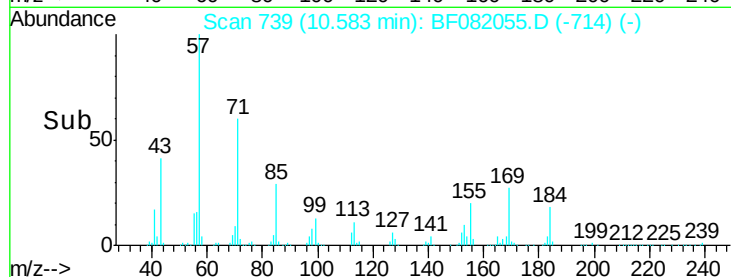
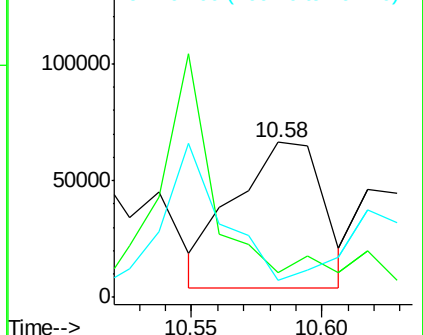
167 11.0 26.2 39.4#



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



#70

Phenanthrene

Concen: 11.81 ng

RT: 11.44 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

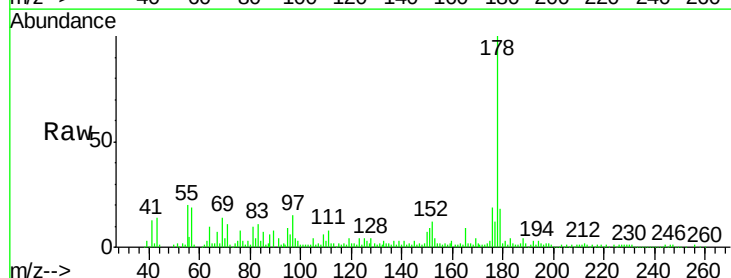
Tgt Ion:178 Resp: 195382

Ion Ratio Lower Upper

178 100

176 19.1 13.8 20.8

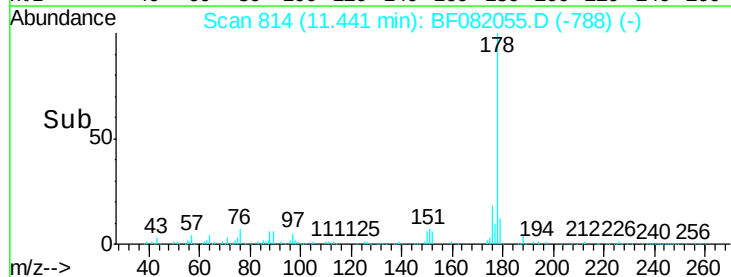
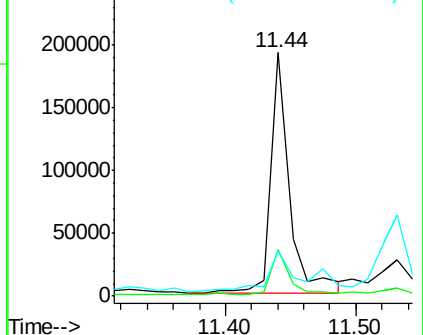
179 18.4 12.2 18.2#

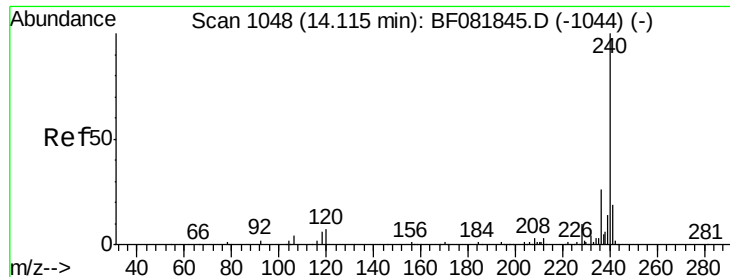


Abundance Ion 178.00 (177.70 to 178.70): E

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: 14.06 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-6.0-092915DL

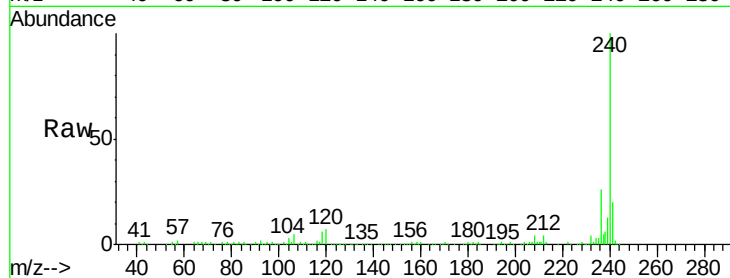
Tgt Ion:240 Resp: 269688

Ion Ratio Lower Upper

240 100

120 7.2 16.2 24.2#

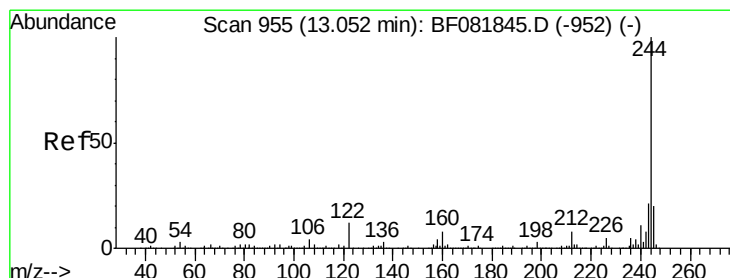
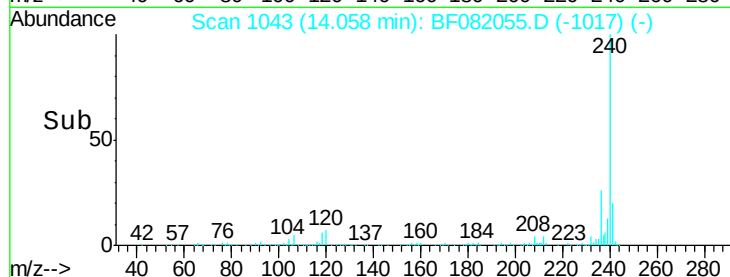
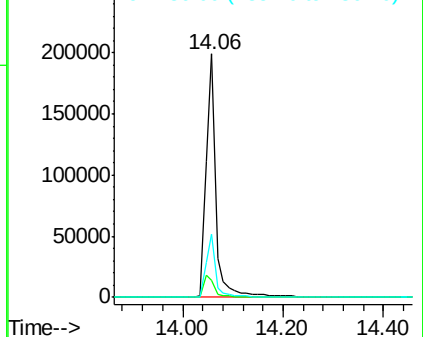
236 26.1 18.4 27.6



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: 23.75 ng

RT: 12.99 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF082055.D

Acq: 5 Oct 2015 20:28

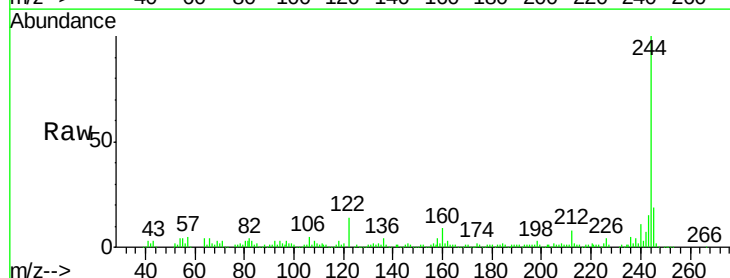
Tgt Ion:244 Resp: 248242

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

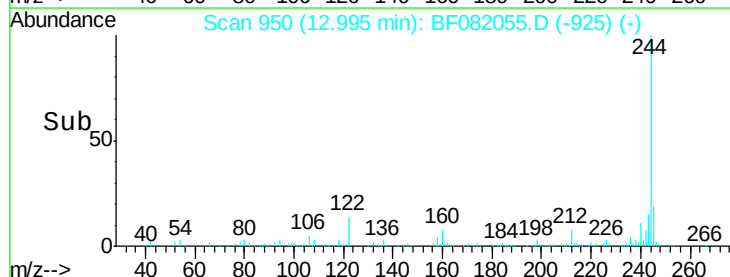
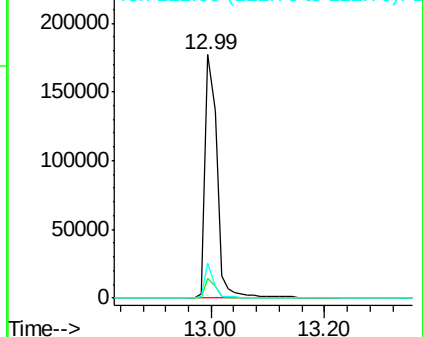
122 14.1 17.4 26.2#

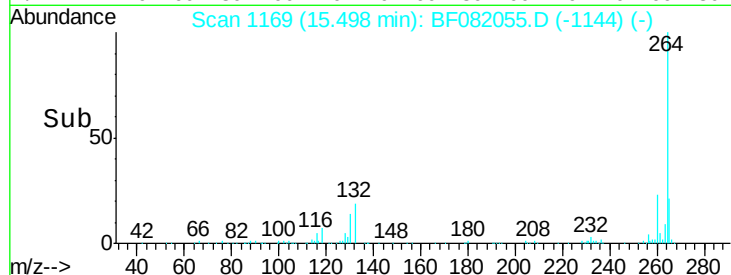
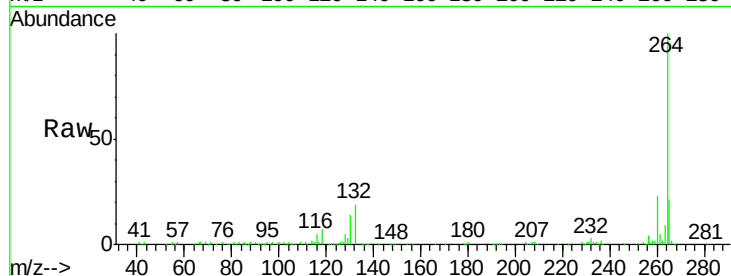
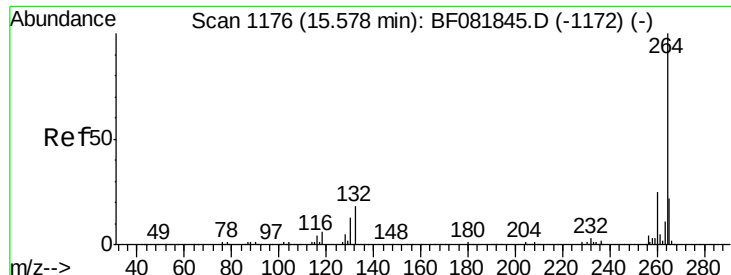


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.50 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF082055.D
Acq: 5 Oct 2015 20:28

Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-6.0-092915DL

Tgt Ion:	264	Resp:	232155
Ion	Ratio	Lower	Upper
264	100		
260	23.1	16.7	25.1
265	21.3	17.2	25.8

