

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100115\
 Data File : BF081975.D
 Acq On : 2 Oct 2015 9:22
 Operator : UM/IZ
 Sample : G3889-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP123-26-27

Quant Time: Oct 02 11:29:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	117983	20.00	ng	-0.05
21) Naphthalene-d8	8.18	136	463531	20.00	ng	-0.03
38) Acenaphthene-d10	9.93	164	235883	20.00	ng	-0.05
63) Phenanthrene-d10	11.42	188	474217	20.00	ng	-0.05
75) Chrysene-d12	14.06	240	442225	20.00	ng	-0.06
86) Perylene-d12	15.50	264	321654	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	777730	119.66	ng	-0.02
7) Phenol-d6	6.53	99	1045509	127.84	ng	-0.03
23) Nitrobenzene-d5	7.46	82	648168	93.21	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	302587	126.66	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	1199935	85.15	ng	-0.05
78) Terphenyl-d14	13.01	244	1206831	89.42	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.49	88	218	0.08	ng	# 11
6) Aniline	6.66	93	1138	0.10	ng	# 1
8) 2-Chlorophenol	6.67	128	250	0.03	ng	# 1
9) Benzaldehyde	6.53	77	1027	0.19	ng	# 1
10) Phenol	6.54	94	7295	0.80	ng	# 38
11) bis(2-Chloroethyl)ether	6.66	93	1138	0.16	ng	# 1
15) Benzyl Alcohol	7.05	79	10003	1.69	ng	# 27
18) Hexachloroethane	7.46	117	233	0.08	ng	# 5
19) n-Nitroso-di-n-propylamine	7.46	70	80267	16.15	ng	# 58
24) Nitrobenzene	7.46	77	1290	0.17	ng	# 18
25) Isophorone	7.46	82	530788	38.51	ng	# 58
31) Naphthalene	8.21	128	23414	1.14	ng	# 99
33) 4-Chloroaniline	8.21	127	2278	0.26	ng	# 25
37) 2-Methylnaphthalene	8.89	142	8087	0.58	ng	# 94
45) 1,1'-Biphenyl	9.36	154	1232	0.07	ng	# 55
46) 2-Chloronaphthalene	9.52	162	400	0.03	ng	# 41
47) 2-Nitroaniline	9.65	65	2541	0.61	ng	# 1
48) Acenaphthylene	9.79	152	289	0.01	ng	# 11
49) Dimethylphthalate	9.65	163	322994	19.84	ng	# 97
50) 2,6-Dinitrotoluene	9.65	165	3449	0.98	ng	# 1
51) Acenaphthene	9.97	154	10613	0.78	ng	# 90
54) Dibenzofuran	10.15	168	981	0.05	ng	# 42
55) 4-Nitrophenol	10.15	139	255	0.09	ng	# 25
56) 2,4-Dinitrotoluene	9.93	165	30577	6.79	ng	# 33
57) Fluorene	10.48	166	15018	Below Cal		# 95
59) Diethylphthalate	10.35	149	1232	0.08	ng	# 59
62) Azobenzene	10.72	77	1088	0.07	ng	# 37
64) 4,6-Dinitro-2-methylphenol	10.72	198	422	1.39	ng	# 1
65) n-Nitrosodiphenylamine	10.72	169	8917	0.62	ng	# 45
66) 4-Bromophenyl-phenylether	10.72	248	18748	3.92	ng	# 1
70) Phenanthrene	11.44	178	65603	1.26	ng	# 98
71) Anthracene	11.50	178	18221	0.76	ng	# 97
72) Carbazole	11.69	167	314	0.01	ng	# 62
73) Di-n-butylphthalate	11.98	149	1591	Below Cal		# 78

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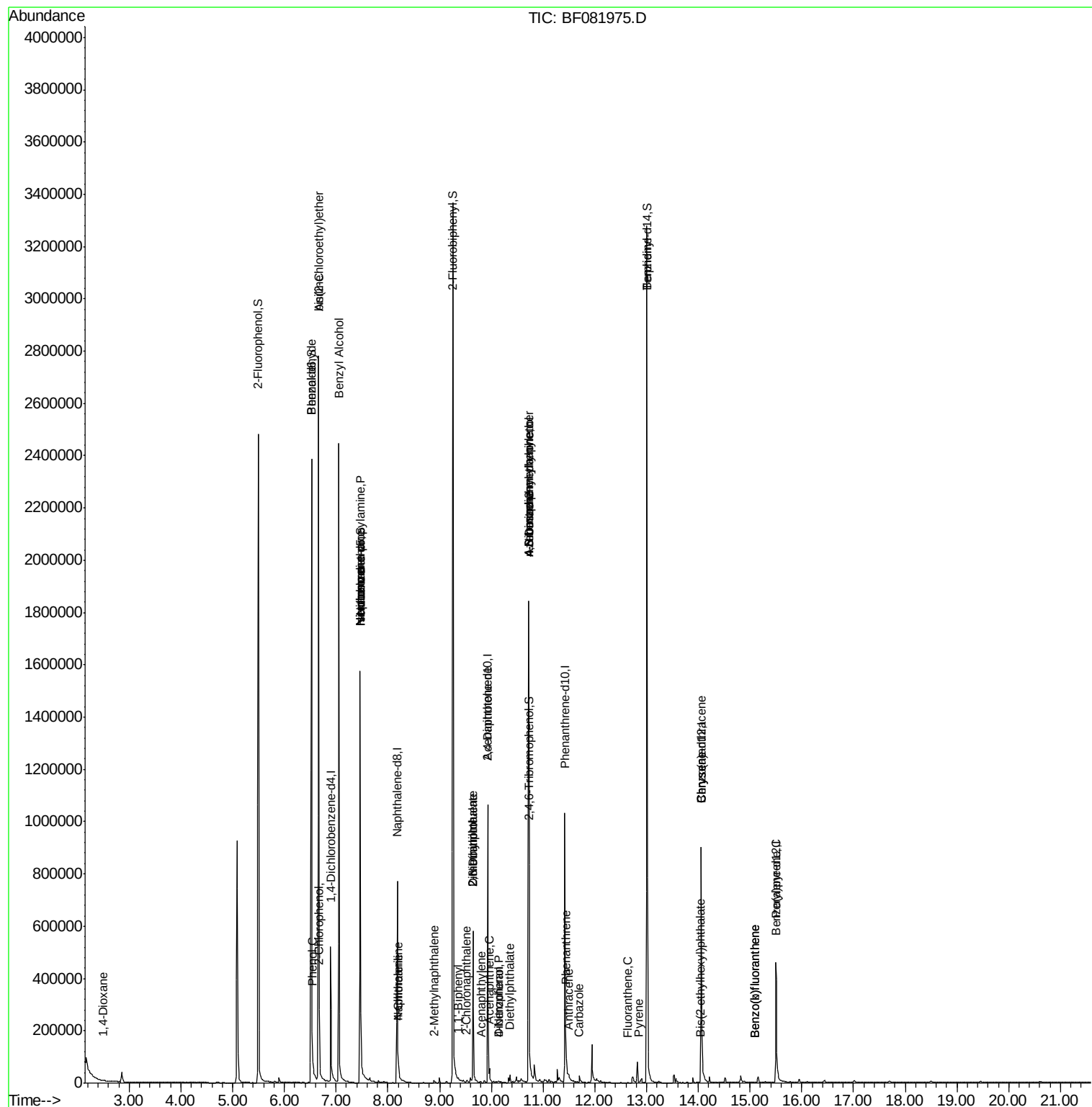
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.63	202	747	0.03	nq	60
76) Benzidine	13.01	184	15711	1.18	nq	# 92
77) Pyrene	12.86	202	836	0.03	nq	# 59
80) Benzo(a)anthracene	14.06	228	1563	0.07	nq	# 53
82) Chrysene	14.06	228	1563	0.95	nq	# 52
83) Bis(2-ethylhexyl)phthalate	14.04	149	806	0.06	nq	# 50
87) Benzo(b)fluoranthene	15.09	252	1506	0.08	nq	# 54
88) Benzo(k)fluoranthene	15.09	252	1506	0.09	nq	# 56
89) Benzo(a)pyrene	15.51	252	790	0.05	nq	# 54

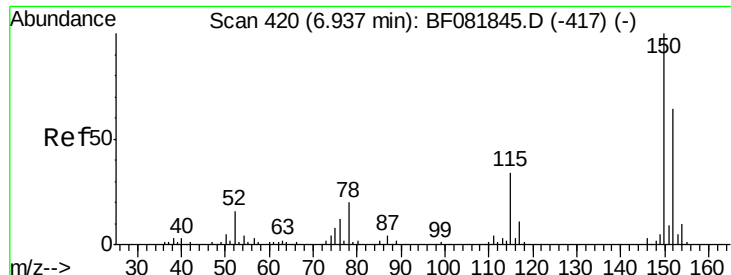
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

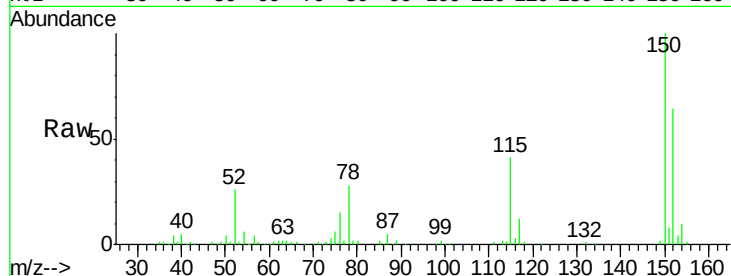
Tot Ion:152 Resp: 117983

Ion Ratio Lower Upper

152 100

150 156.7 124.7 187.1

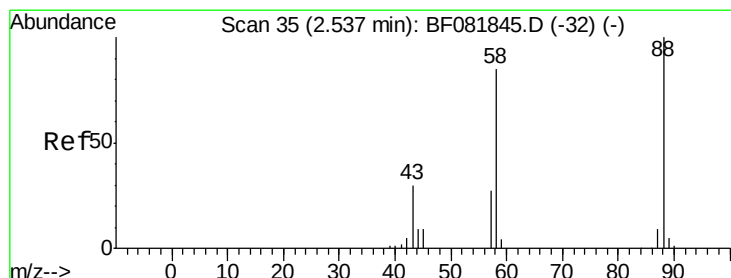
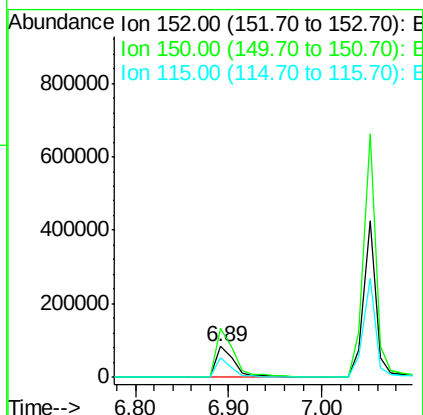
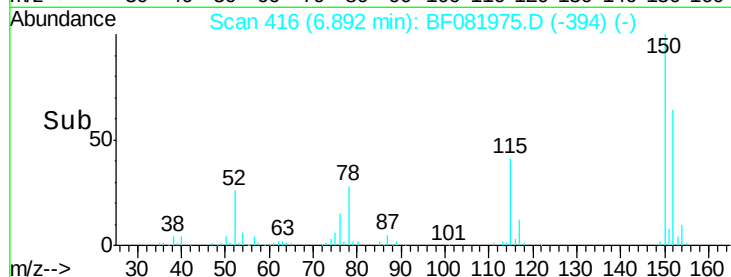
115 63.8 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 0.08 ng

RT: 2.49 min Scan# 31

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

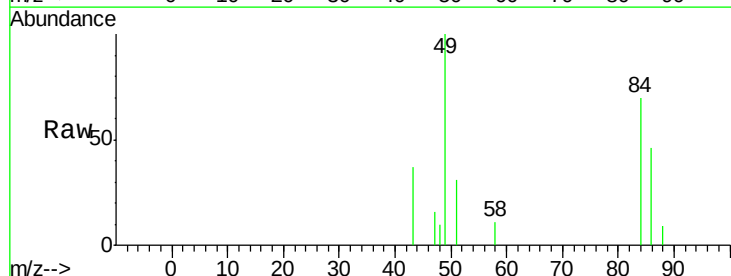
Tgt Ion: 88 Resp: 218

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

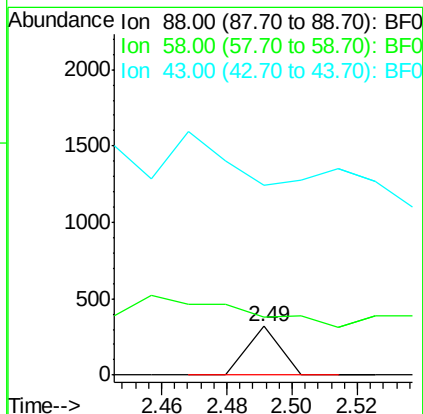
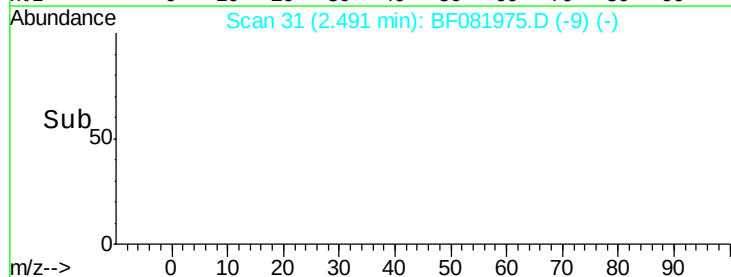
43 0.0 26.6 40.0#

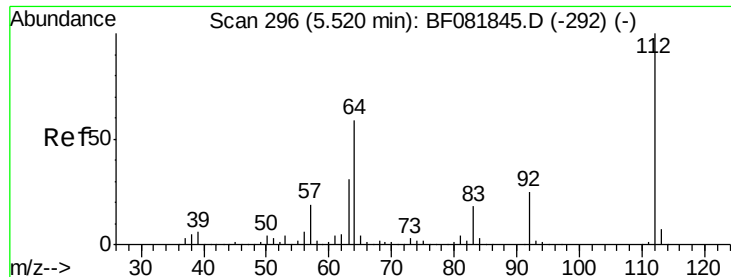


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 119.66 ng

RT: 5.50 min Scan# 294

Delta R.T. -0.02 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

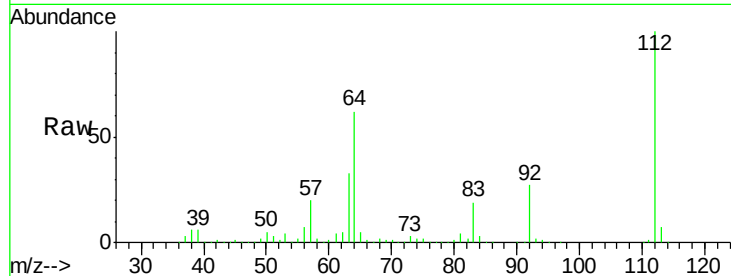
Tot Ion:112 Resp: 777730

Ion Ratio Lower Upper

112 100

64 62.2 39.7 59.5#

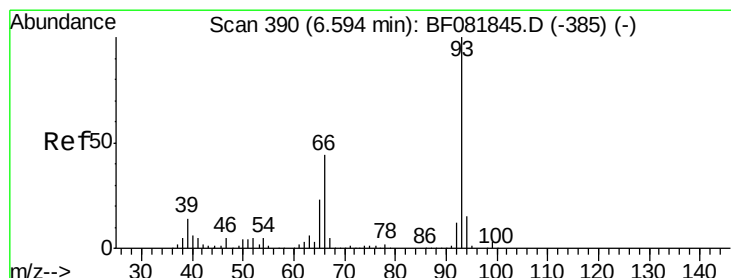
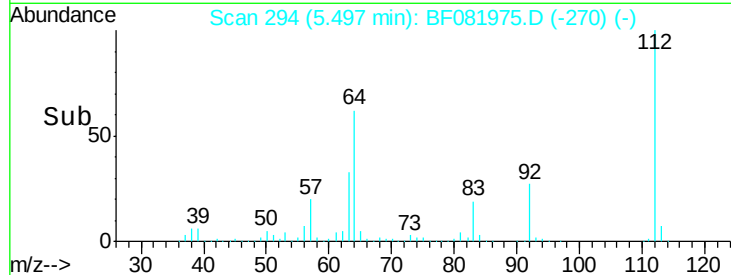
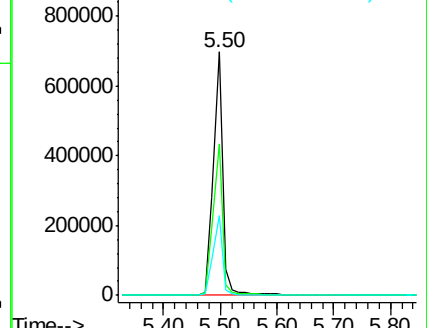
63 32.9 17.4 26.0#



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



#6

Aniline

Concen: 0.10 ng

RT: 6.66 min Scan# 396

Delta R.T. 0.07 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

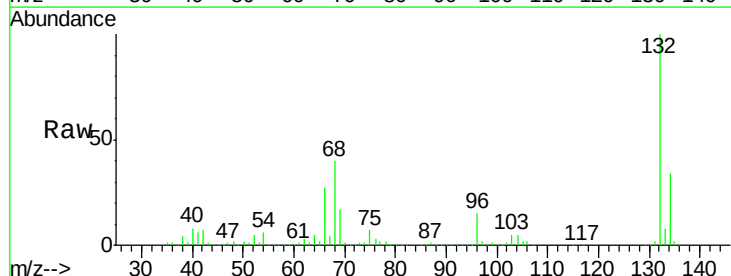
Tgt Ion: 93 Resp: 1138

Ion Ratio Lower Upper

93 100

66 16898.6 27.2 40.8#

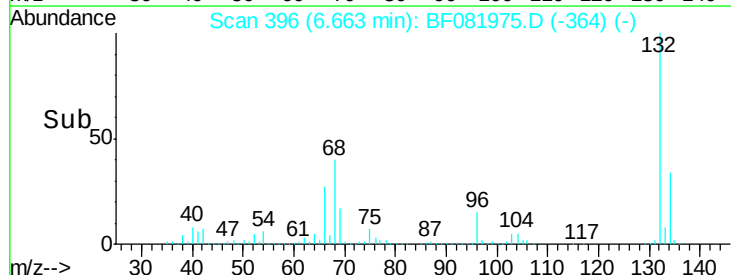
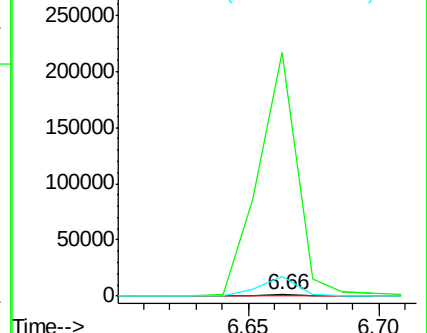
65 1339.2 14.7 22.1#

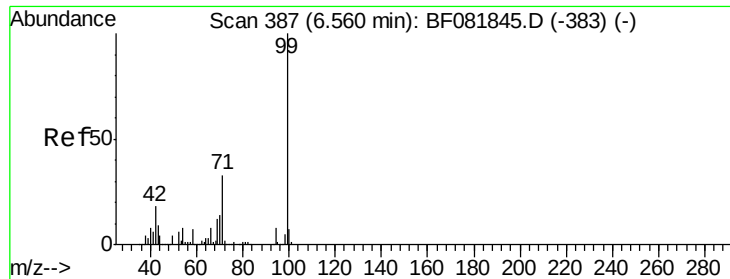


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 127.84 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

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ClientSampleId :

MGP123-26-27

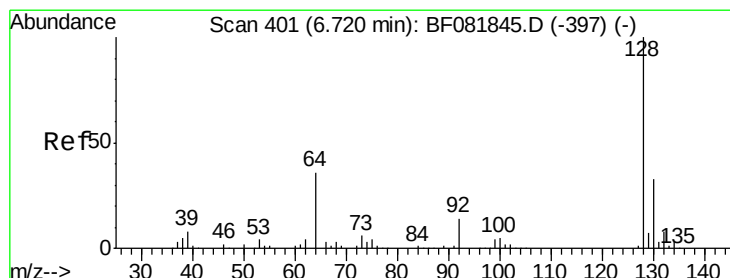
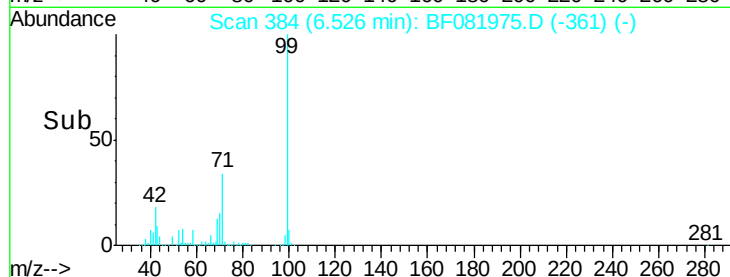
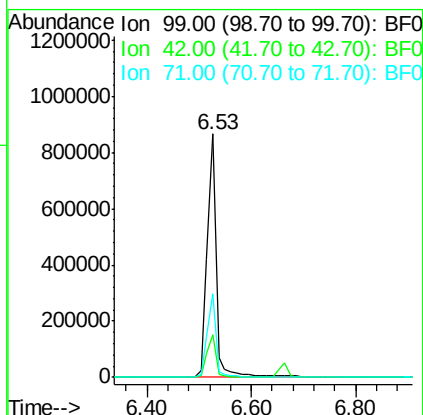
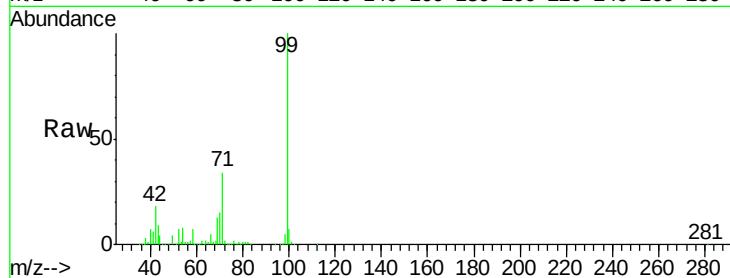
Tot Ion: 99 Resp: 1045509

Ion Ratio Lower Upper

99 100

42 17.5 13.7 20.5

71 34.2 14.2 21.2#



#8

2-Chlorophenol

Concen: 0.03 ng

RT: 6.67 min Scan# 397

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

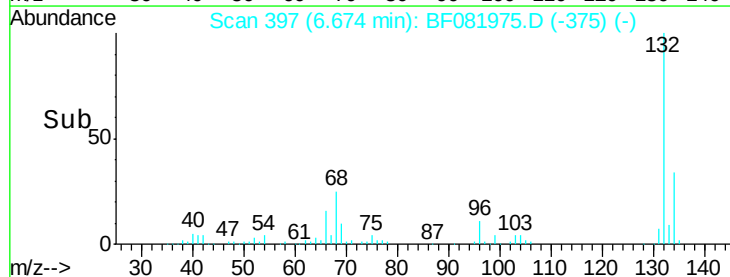
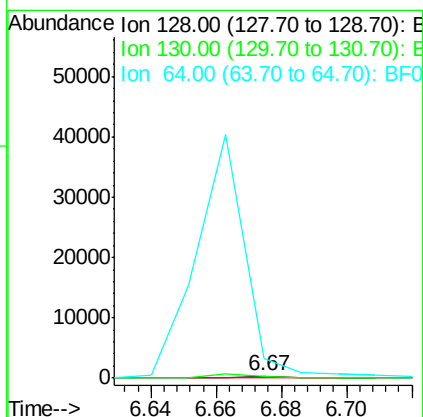
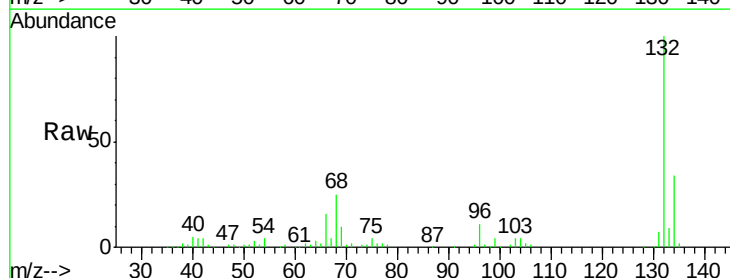
Tgt Ion: 128 Resp: 250

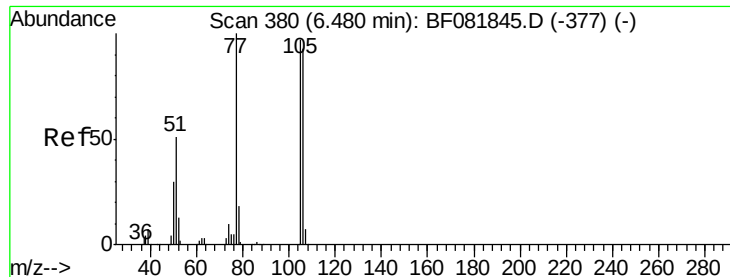
Ion Ratio Lower Upper

128 100

130 91.5 12.2 52.2#

64 918.4 20.5 60.5#





#9

Benzaldehyde

Concen: 0.19 ng

RT: 6.53 min Scan# 384

Delta R.T. 0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

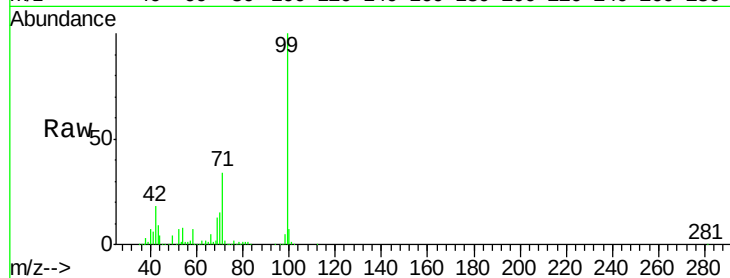
Tot Ion: 77 Resp: 1027

Ion Ratio Lower Upper

77 100

105 0.0 91.6 131.6#

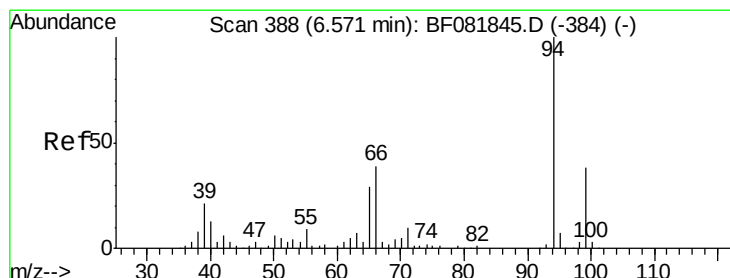
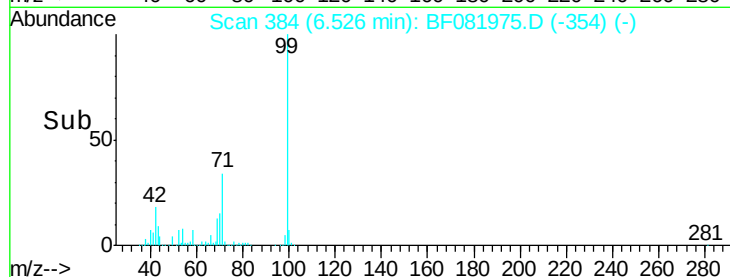
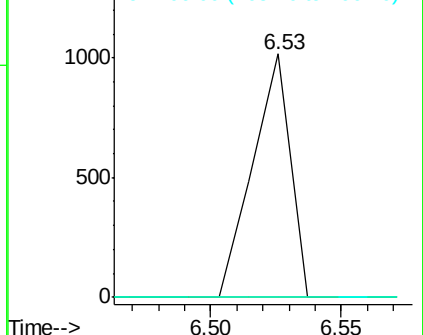
106 0.0 102.6 142.6#



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: 0.80 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.03 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

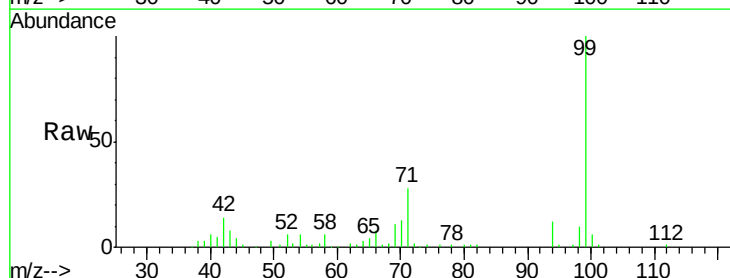
Tgt Ion: 94 Resp: 7295

Ion Ratio Lower Upper

94 100

65 30.8 0.7 40.7

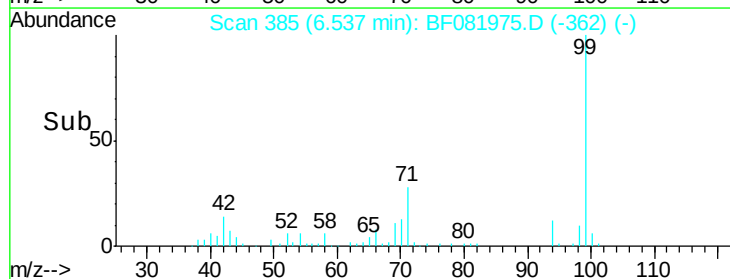
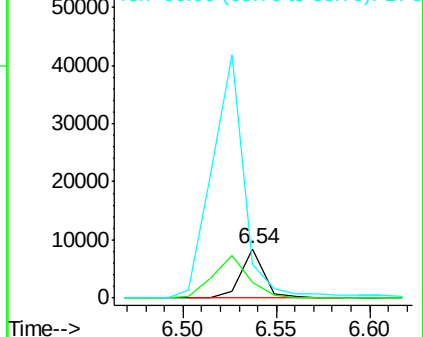
66 68.5 0.8 40.8#

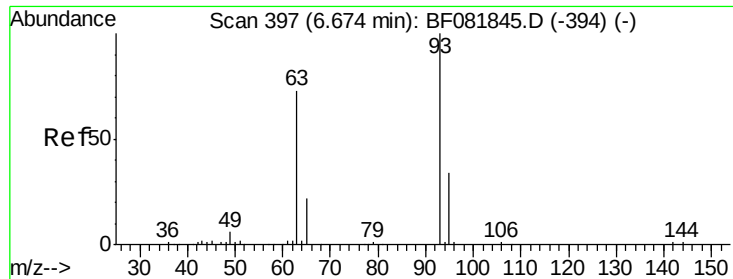


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

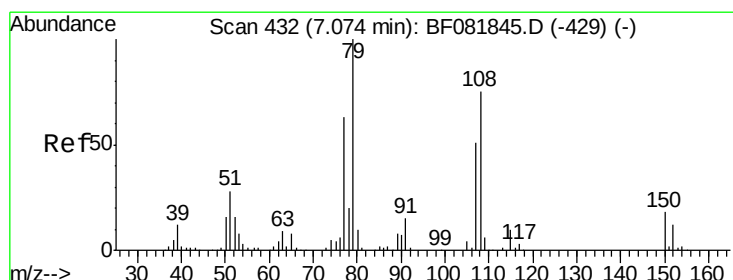
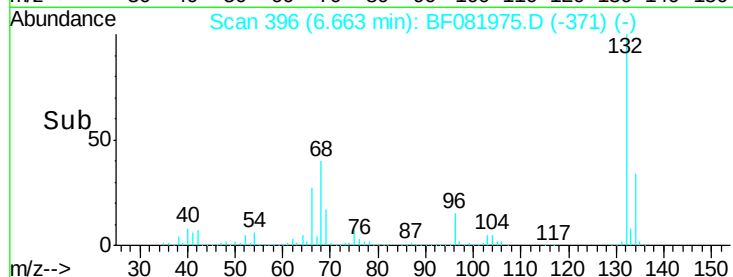
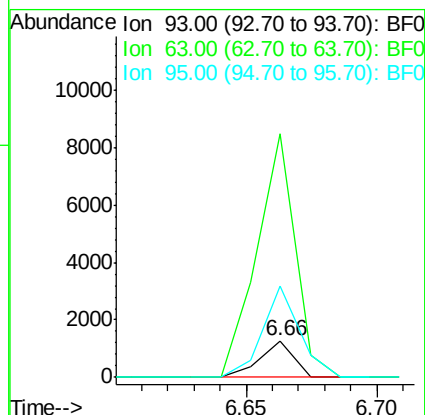
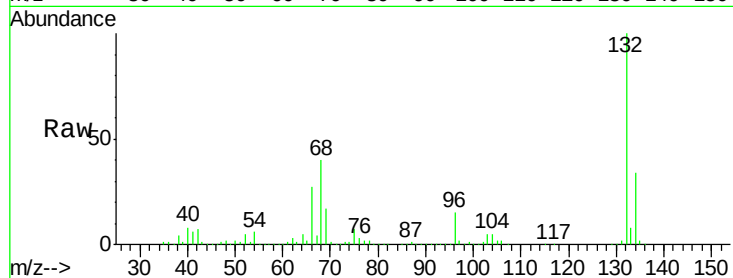




#11
bis(2-Chloroethyl)ether
Concen: 0.16 ng
RT: 6.66 min Scan# 396
Delta R.T. -0.01 min
Lab File: BF081975.D
Acq: 2 Oct 2015 9:22

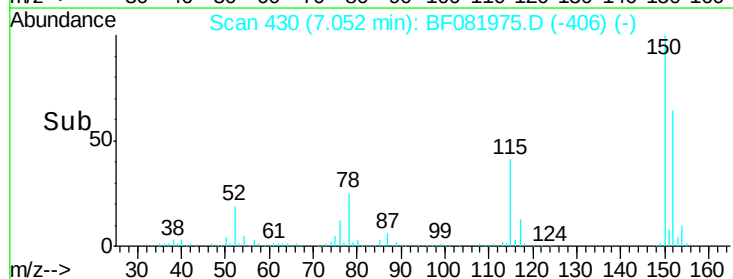
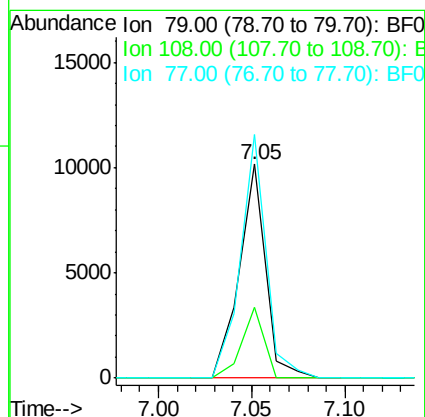
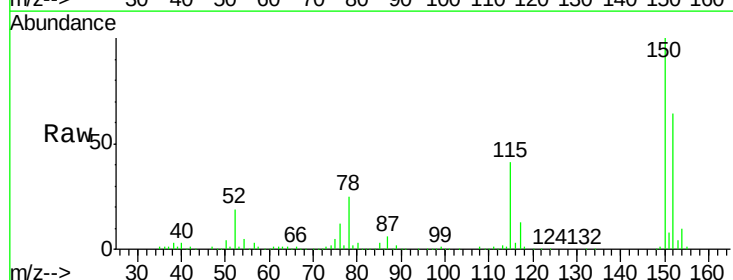
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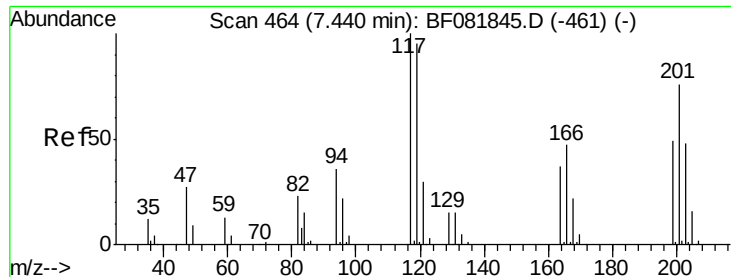
Tot Ion: 93 Resp: 1138
Ion Ratio Lower Upper
93 100
63 661.9 65.6 105.6#
95 248.6 13.6 53.6#



#15
Benzyl Alcohol
Concen: 1.69 ng
RT: 7.05 min Scan# 430
Delta R.T. -0.02 min
Lab File: BF081975.D
Acq: 2 Oct 2015 9:22

Tgt Ion: 79 Resp: 10003
Ion Ratio Lower Upper
79 100
108 33.2 88.6 132.8#
77 114.0 47.0 70.4#





#18

Hexachloroethane

Concen: 0.08 ng

RT: 7.46 min Scan# 466

Delta R.T. 0.02 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

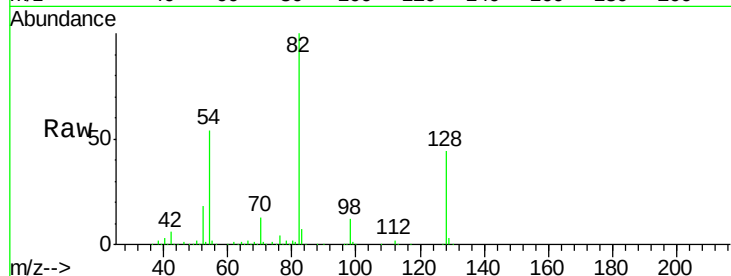
Tot Ion:117 Resp: 233

Ion Ratio Lower Upper

117 100

119 0.0 83.8 125.6#

201 0.0 55.1 82.7#



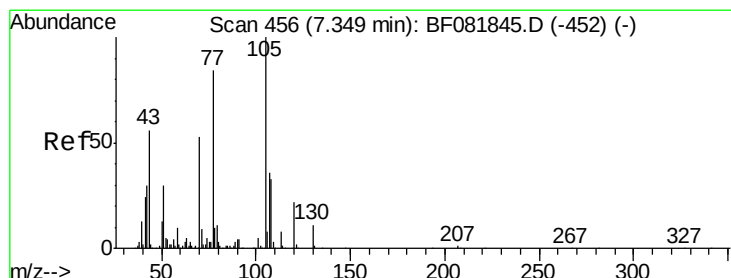
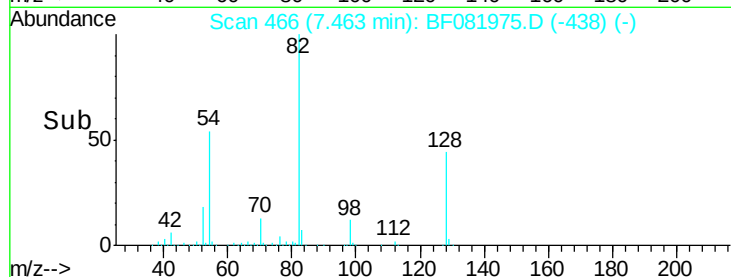
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

7.46

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 16.15 ng

RT: 7.46 min Scan# 466

Delta R.T. 0.11 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Tgt Ion: 70 Resp: 80267

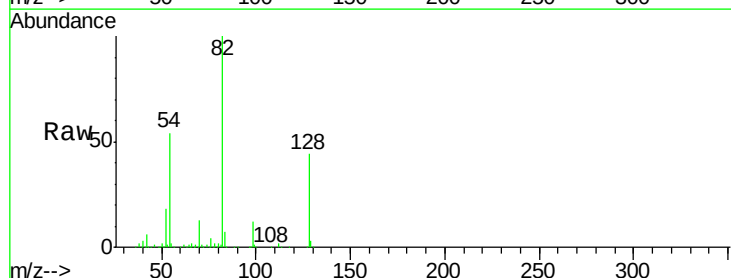
Ion Ratio Lower Upper

70 100

42 46.3 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0

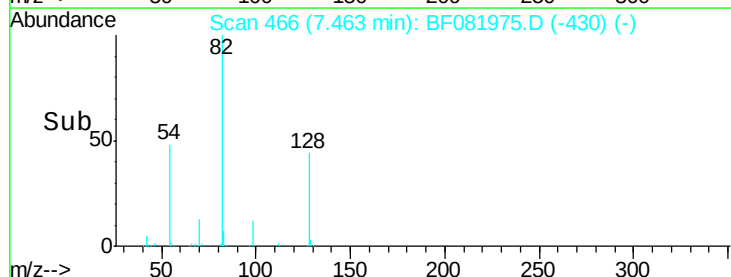
Ion 42.00 (41.70 to 42.70): BF0

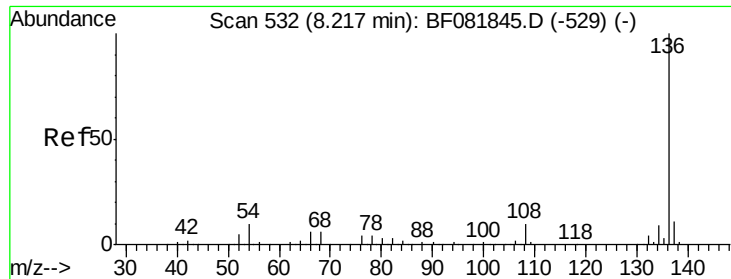
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

7.46

Time-->

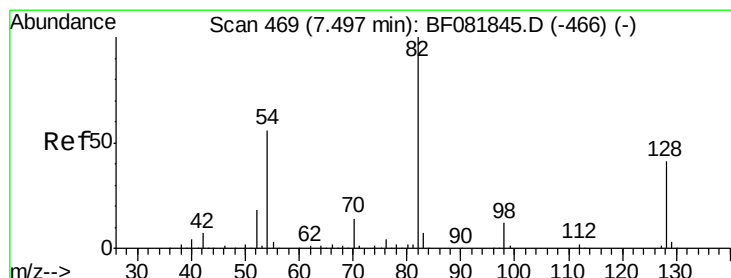
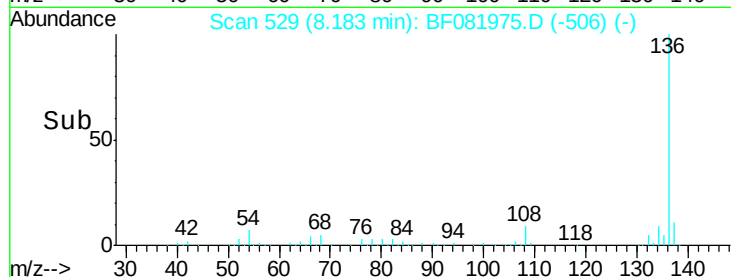
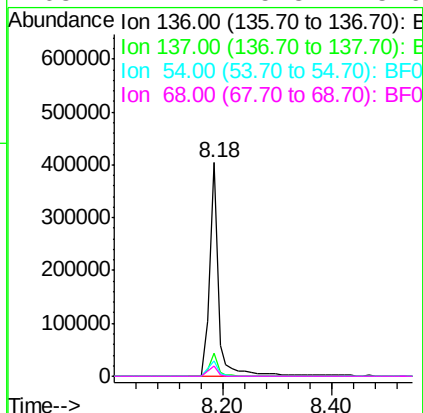
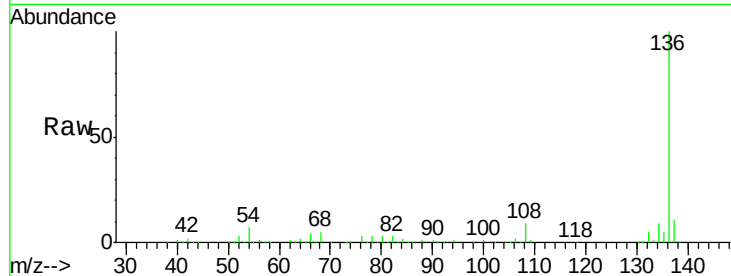




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF081975.D
Acq: 2 Oct 2015 9:22

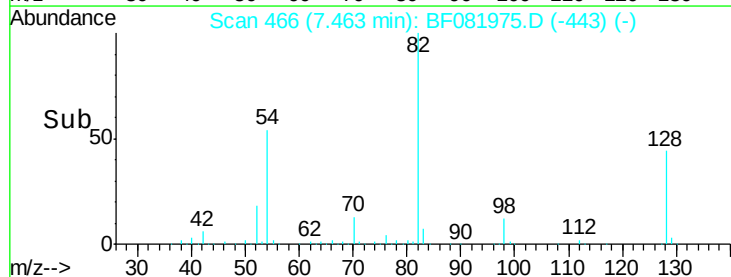
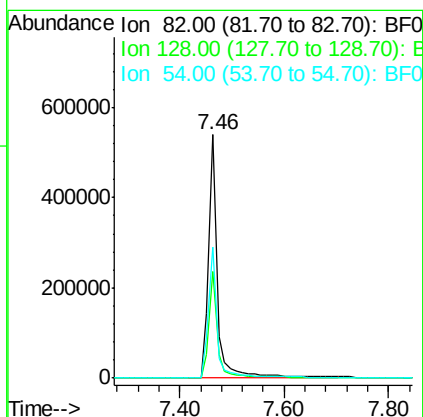
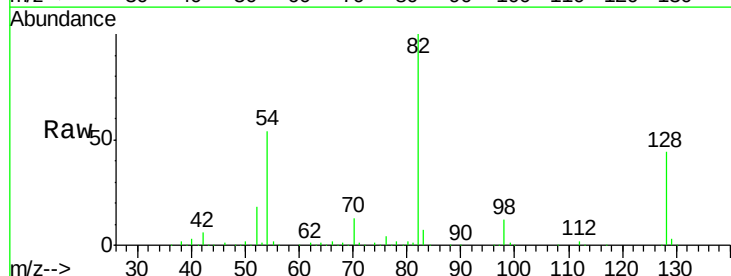
Instrument :
BNA_F
ClientSampleId :
MGP123-26-27

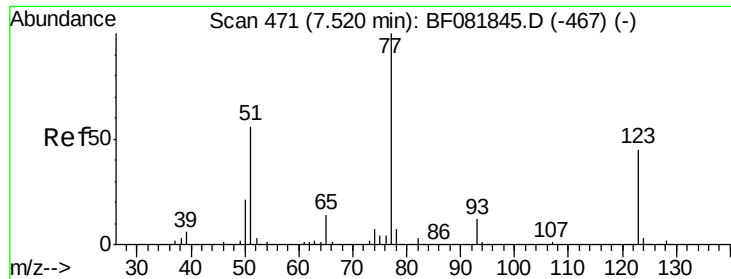
Tot Ion:	136	Resp:	463531
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.0	8.2	12.2#
68	4.7	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 93.21 ng
RT: 7.46 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF081975.D
Acq: 2 Oct 2015 9:22

Tgt Ion:	82	Resp:	648168
Ion	Ratio	Lower	Upper
82	100		
128	44.0	51.0	76.6#
54	53.9	47.5	71.3

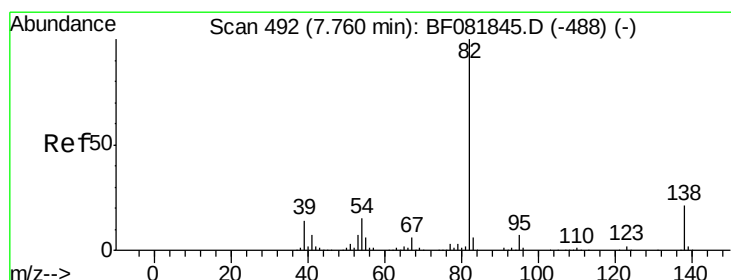
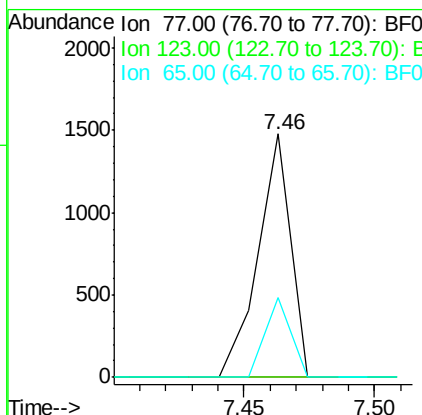
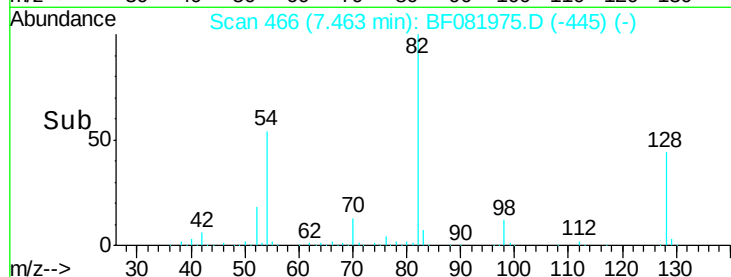
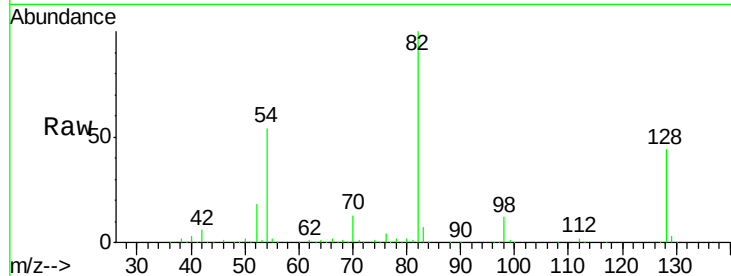




#24
 Nitrobenzene
 Concen: 0.17 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.06 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

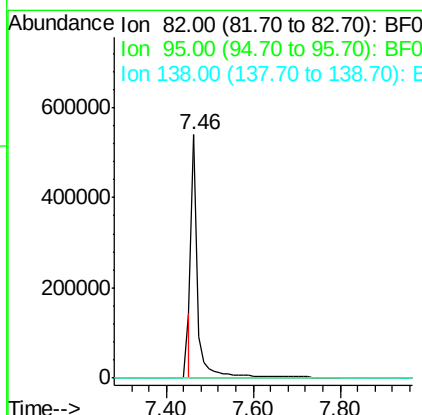
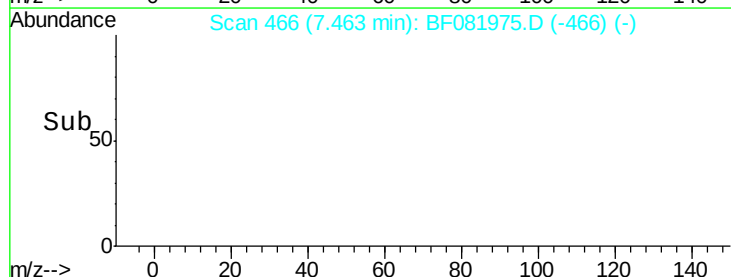
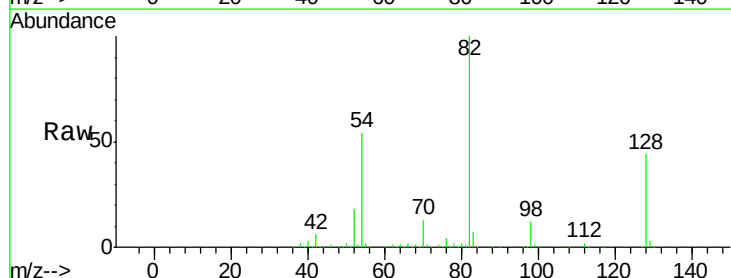
Instrument :
 BNA_F
 ClientSampleId :
 MGP123-26-27

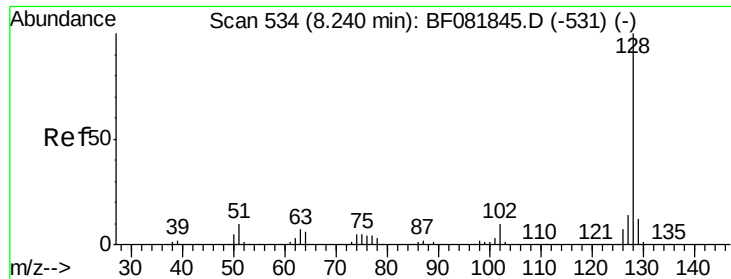
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
123	0.0	59.8	89.8#	
65	32.7	10.2	15.4#	



#25
 Isophorone
 Concen: 38.51 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.30 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

Tgt Ion	Ion	Ratio	Lower	Upper
82	100			
95	0.0	4.0	6.0#	
138	0.0	18.3	27.5#	

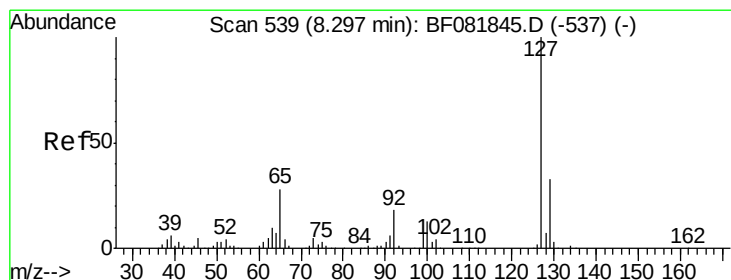
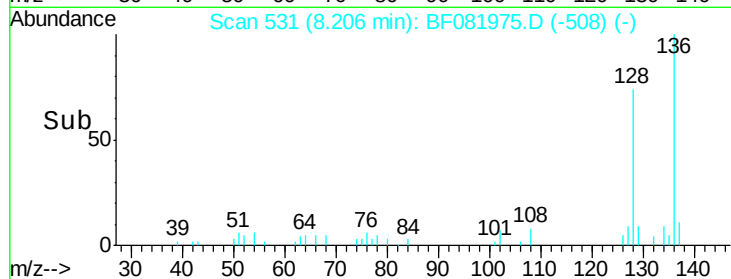
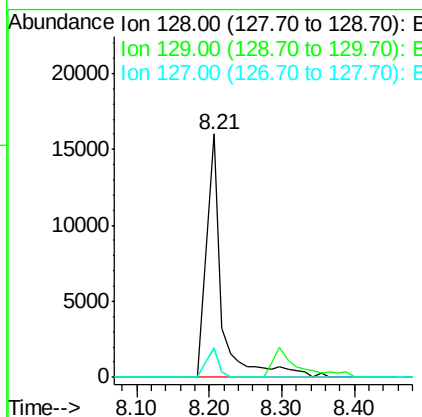
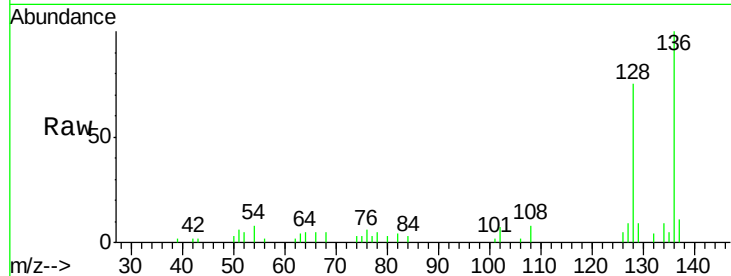




#31
Naphthalene
Concen: 1.14 ng
RT: 8.21 min Scan# 531
Delta R.T. -0.03 min
Lab File: BF081975.D
Acq: 2 Oct 2015 9:22

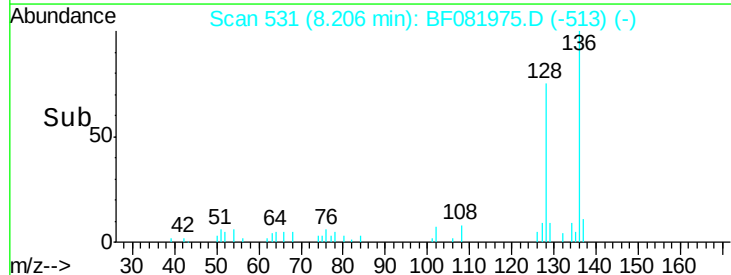
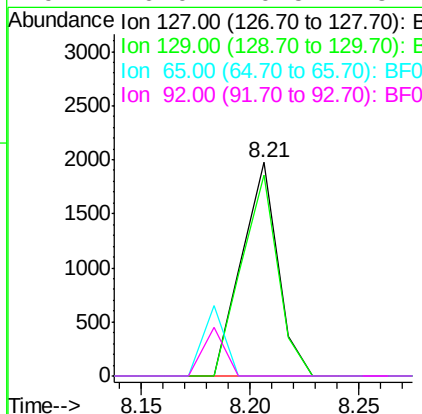
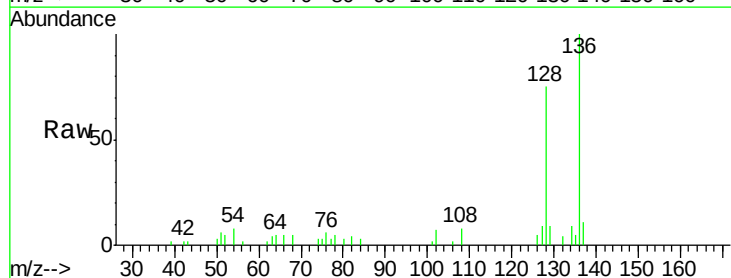
Instrument :
BNA_F
ClientSampleId :
MGP123-26-27

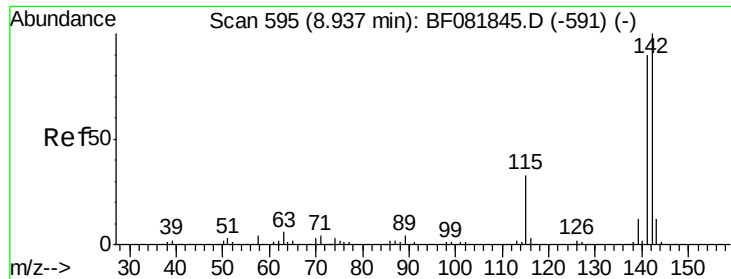
Tot Ion:128 Resp: 23414
Ion Ratio Lower Upper
128 100
129 11.6 8.4 12.6
127 12.3 9.9 14.9



#33
4-Chloroaniline
Concen: 0.26 ng
RT: 8.21 min Scan# 531
Delta R.T. -0.09 min
Lab File: BF081975.D
Acq: 2 Oct 2015 9:22

Tgt Ion:127 Resp: 2278
Ion Ratio Lower Upper
127 100
129 94.2 25.8 38.6#
65 0.0 17.9 26.9#
92 0.0 10.5 15.7#

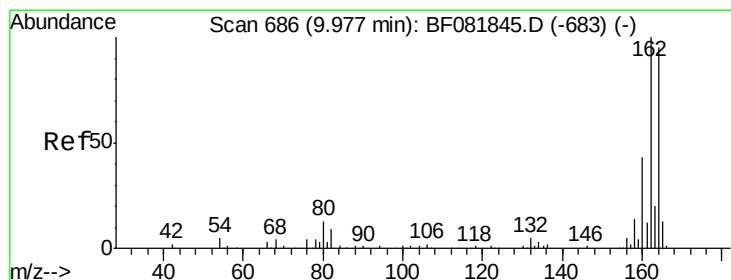
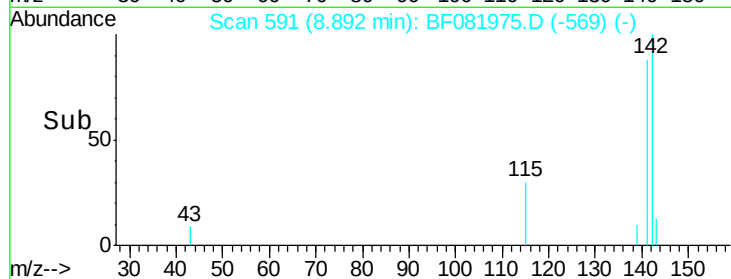
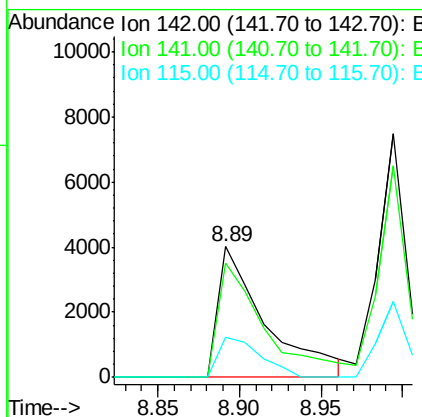
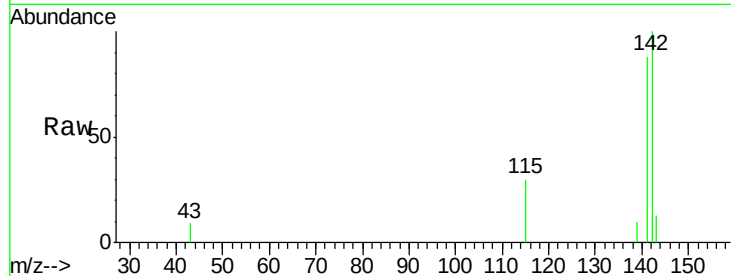




#37
 2-Methylnaphthalene
 Concen: 0.58 ng
 RT: 8.89 min Scan# 591
 Delta R.T. -0.05 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

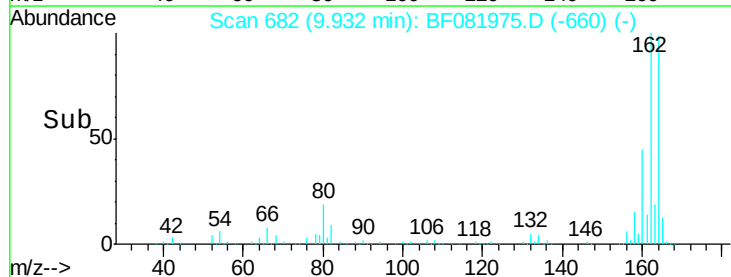
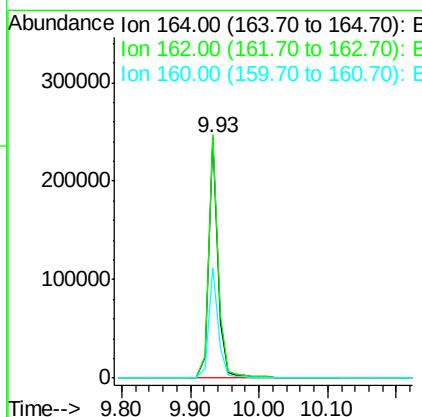
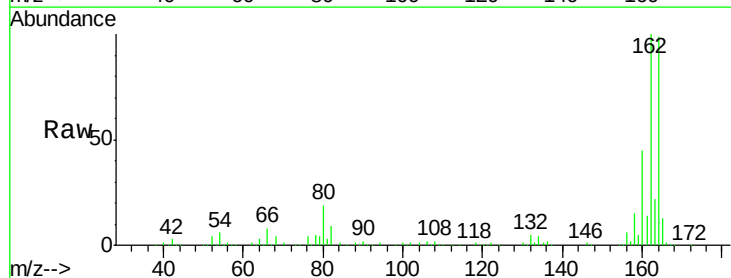
Instrument :
 BNA_F
 ClientSampleId :
 MGP123-26-27

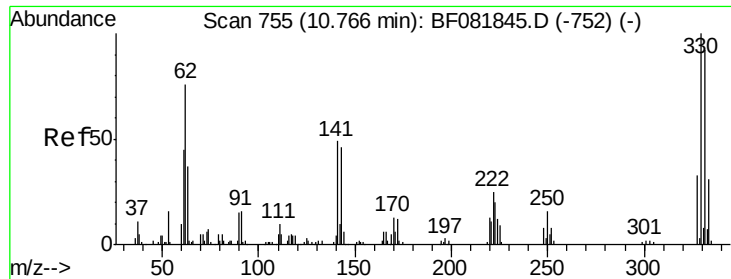
Tot Ion:142 Resp: 8087
 Ion Ratio Lower Upper
 142 100
 141 87.9 67.5 101.3
 115 30.4 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 682
 Delta R.T. -0.05 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

Tgt Ion:164 Resp: 235883
 Ion Ratio Lower Upper
 164 100
 162 101.1 75.2 112.8
 160 45.9 31.5 47.3

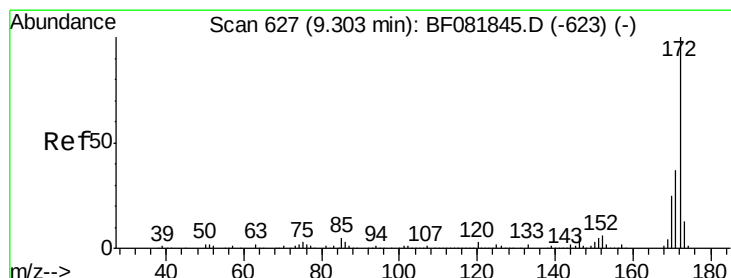
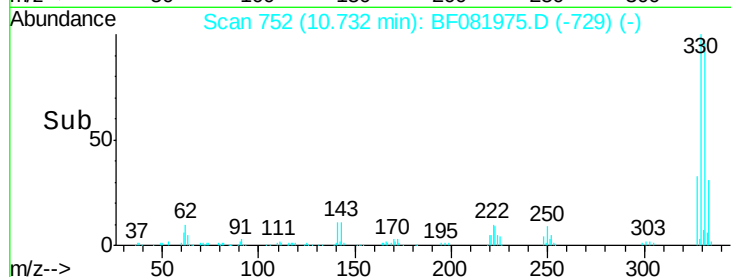
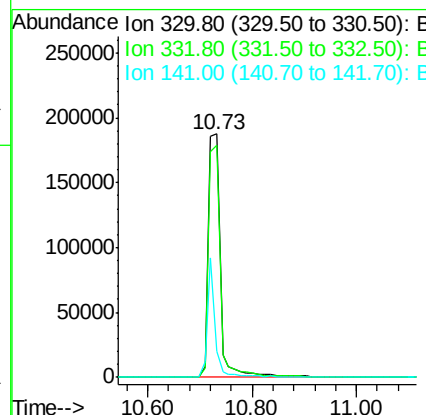
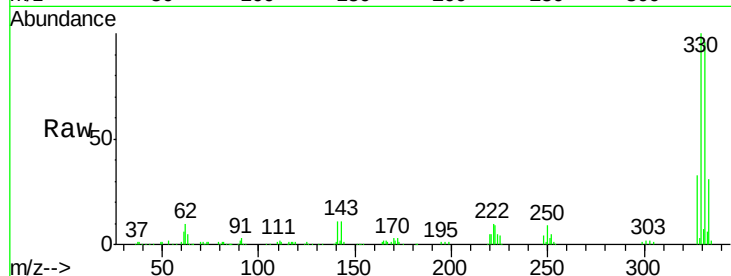




#41
 2,4,6-Tribromophenol
 Concen: 126.66 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.03 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

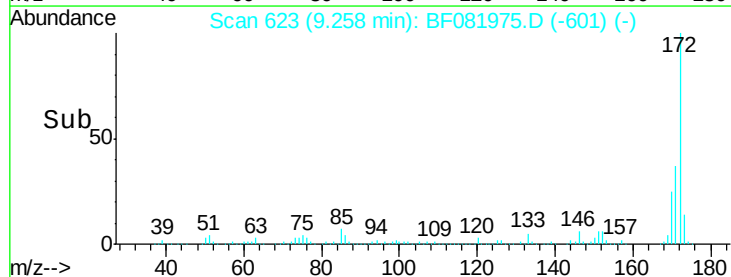
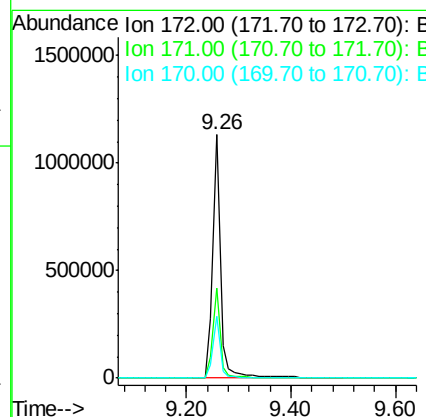
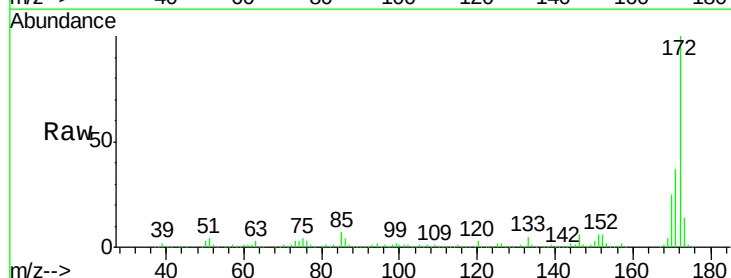
Instrument :
 BNA_F
 ClientSampleId :
 MGP123-26-27

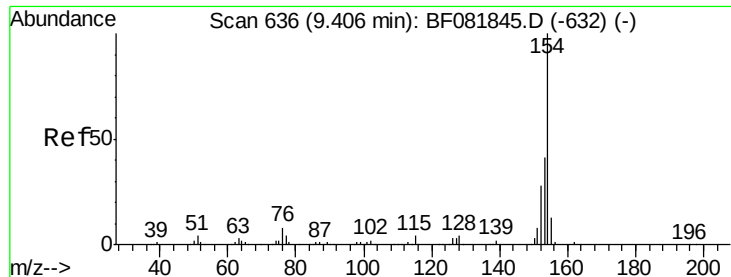
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	114.8
141	32.6	29.7	44.5



#44
 2-Fluorobiphenyl
 Concen: 85.15 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	26.1	39.1
170	25.3	17.4	26.2





#45

1,1'-Biphenyl

Concen: 0.07 ng

RT: 9.36 min Scan# 632

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

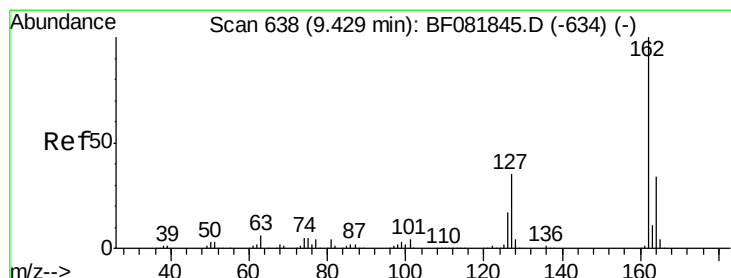
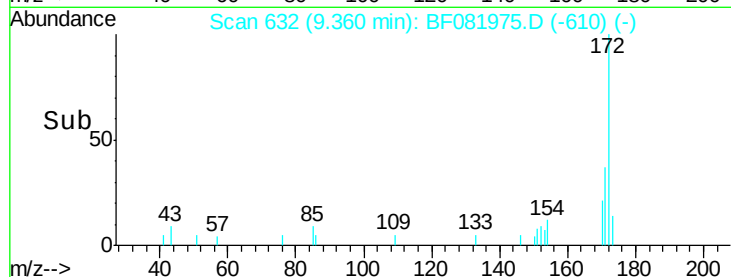
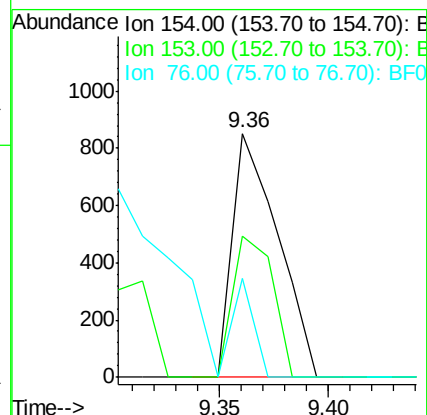
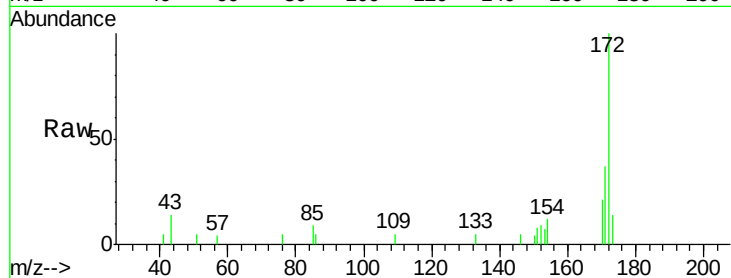
Tot Ion:154 Resp: 1232

Ion Ratio Lower Upper

154 100

153 58.2 17.1 57.1#

76 40.4 0.0 31.6#



#46

2-Chloronaphthalene

Concen: 0.03 ng

RT: 9.52 min Scan# 646

Delta R.T. 0.09 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

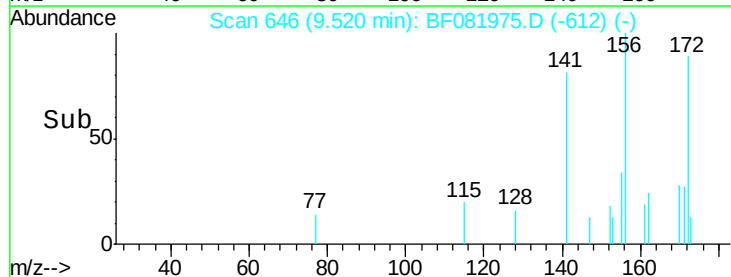
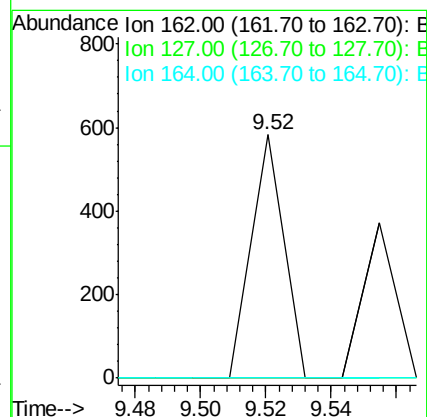
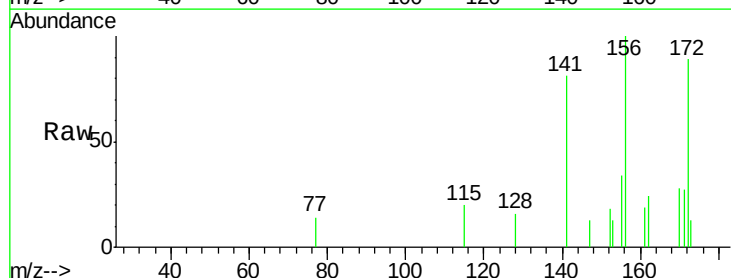
Tgt Ion:162 Resp: 400

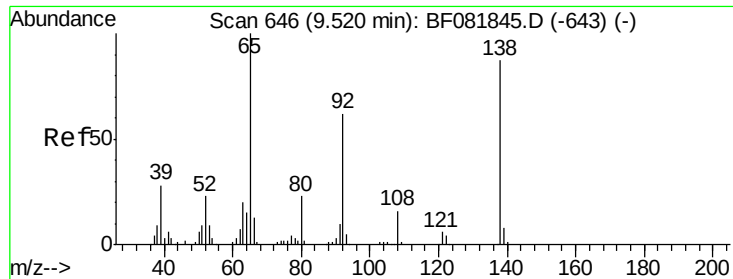
Ion Ratio Lower Upper

162 100

127 0.0 27.6 41.4#

164 0.0 25.4 38.2#

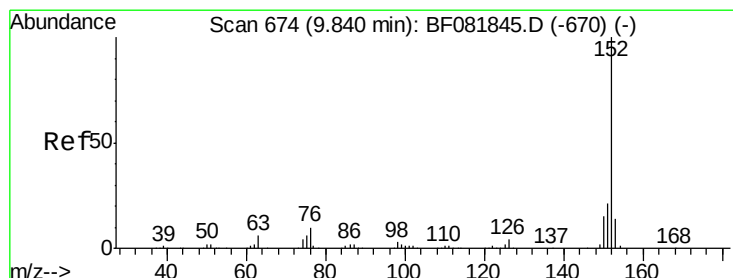
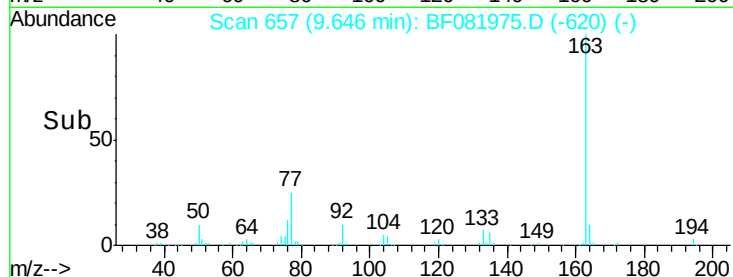
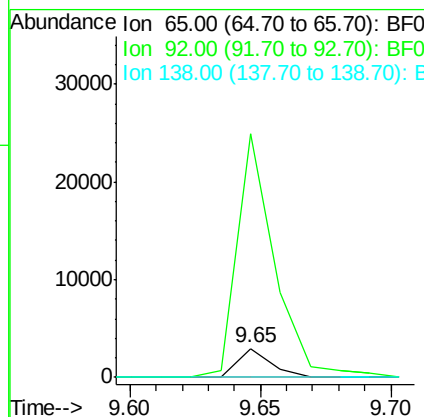
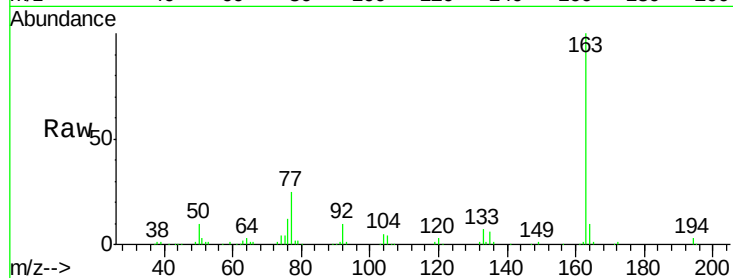




#47
 2-Nitroaniline
 Concen: 0.61 ng
 RT: 9.65 min Scan# 657
 Delta R.T. 0.13 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

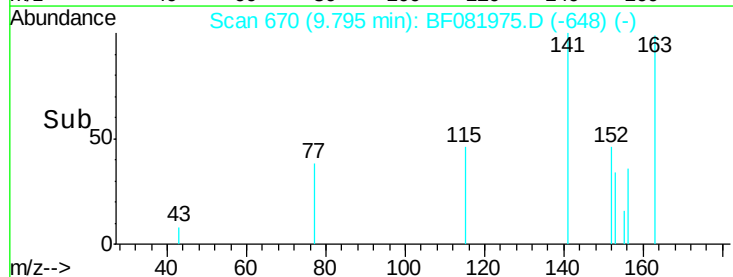
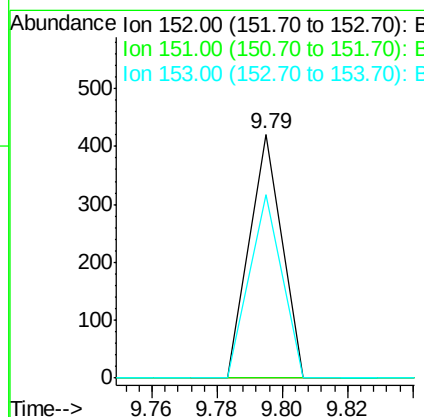
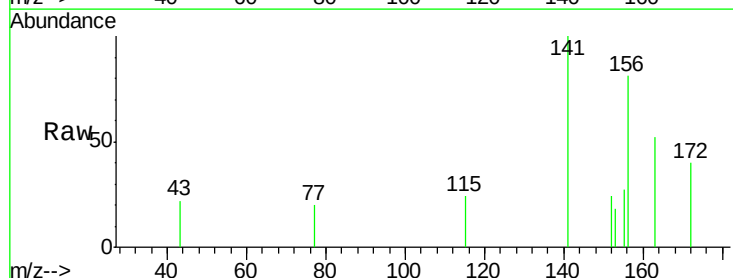
Instrument :
 BNA_F
 ClientSampleId :
 MGP123-26-27

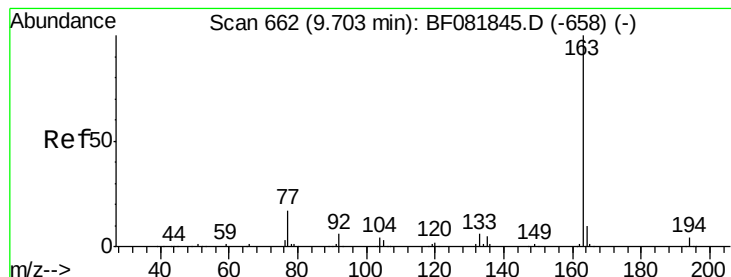
Tot Ion: 65 Resp: 2541
 Ion Ratio Lower Upper
 65 100
 92 850.5 55.4 83.0#
 138 0.0 115.5 173.3#



#48
 Acenaphthylene
 Concen: 0.01 ng
 RT: 9.79 min Scan# 670
 Delta R.T. -0.05 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

Tgt Ion: 152 Resp: 289
 Ion Ratio Lower Upper
 152 100
 151 0.0 14.6 22.0#
 153 75.1 10.3 15.5#





#49

Dimethylphthalate

Concen: 19.84 ng

RT: 9.65 min Scan# 657

Delta R.T. -0.06 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

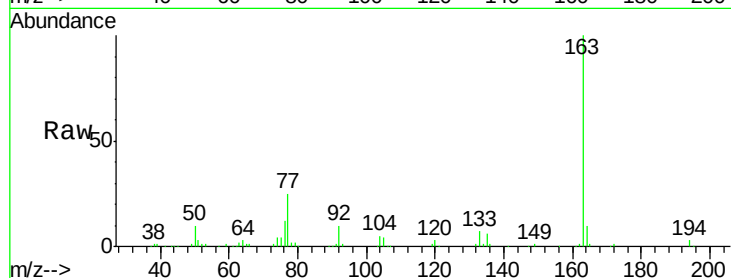
Tot Ion:163 Resp: 322994

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

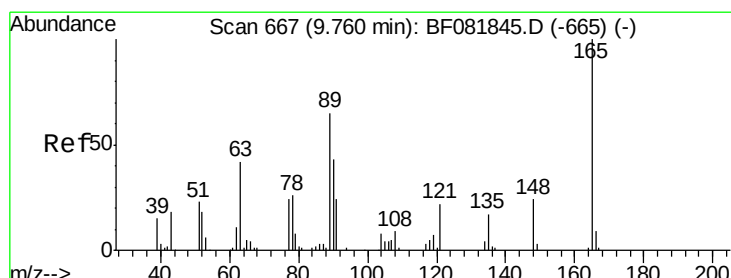
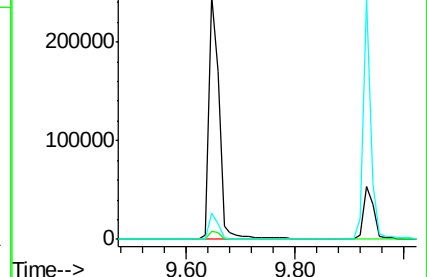
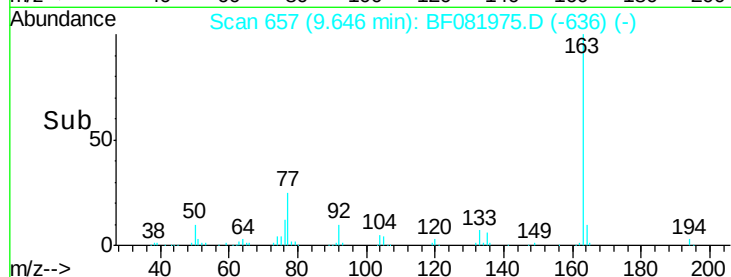
164 10.5 8.3 12.5



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



#50

2,6-Dinitrotoluene

Concen: 0.98 ng

RT: 9.65 min Scan# 657

Delta R.T. -0.11 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

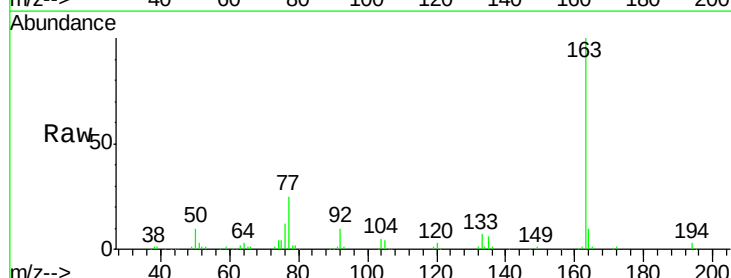
Tgt Ion:165 Resp: 3449

Ion Ratio Lower Upper

165 100

63 187.1 32.3 48.5#

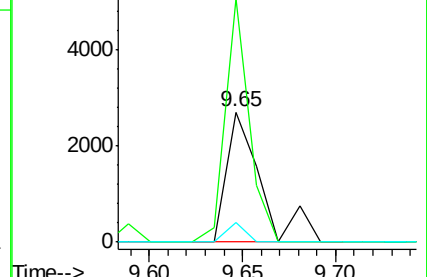
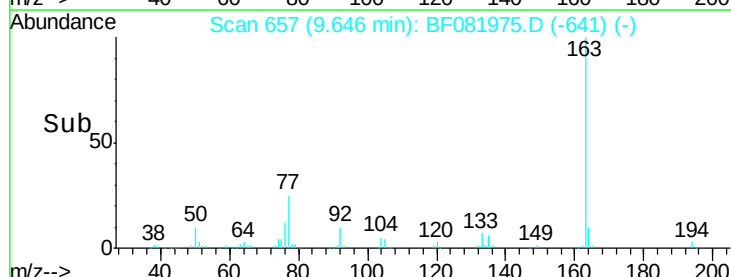
89 15.3 28.6 43.0#

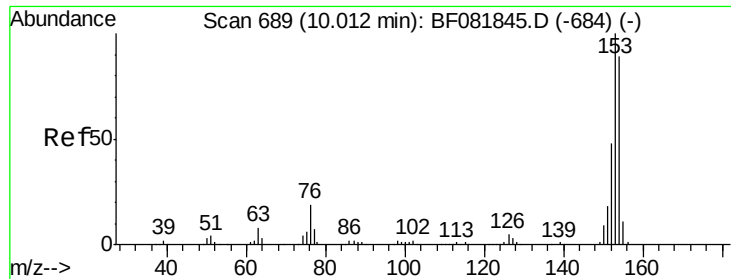


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.78 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

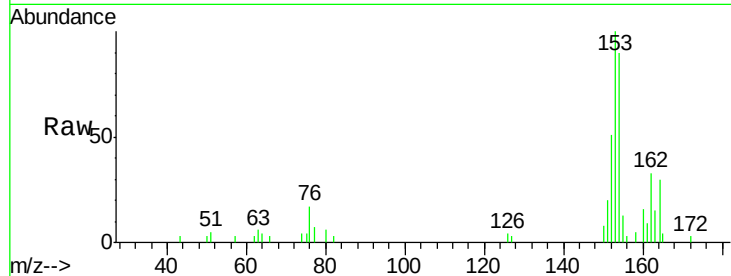
Tot Ion:154 Resp: 10613

Ion Ratio Lower Upper

154 100

153 110.8 82.1 123.1

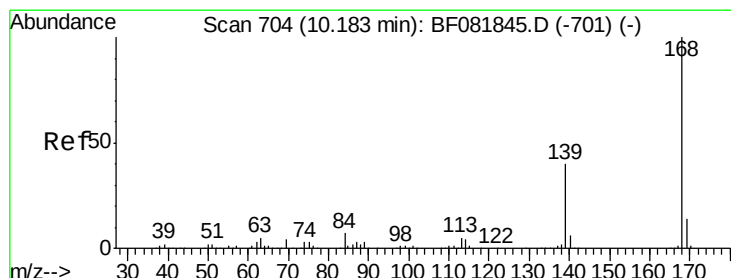
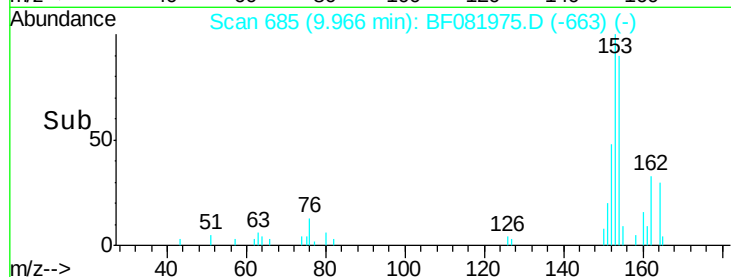
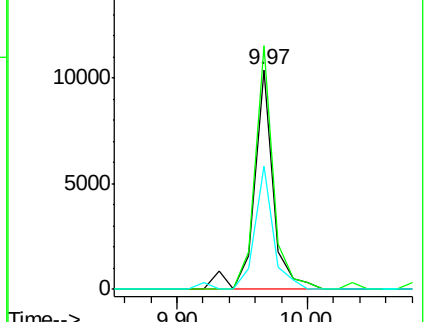
152 56.1 37.9 56.9



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



#54

Dibenzofuran

Concen: 0.05 ng

RT: 10.15 min Scan# 701

Delta R.T. -0.03 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

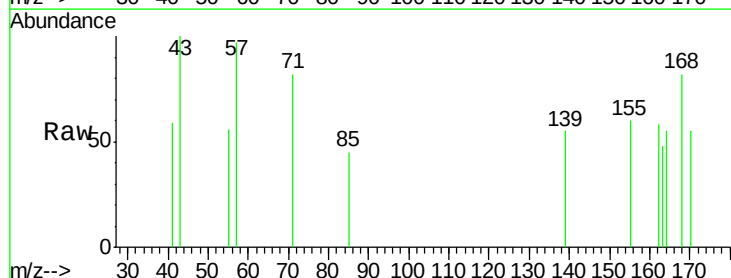
Tgt Ion:168 Resp: 981

Ion Ratio Lower Upper

168 100

139 67.5 24.2 36.2#

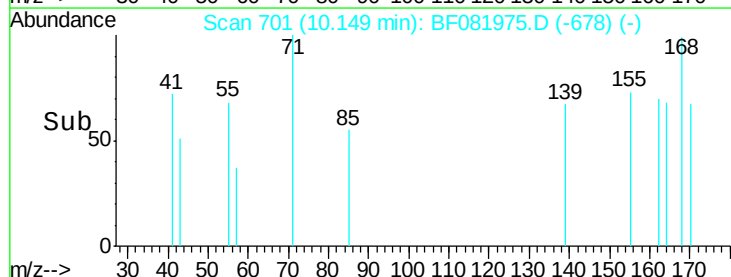
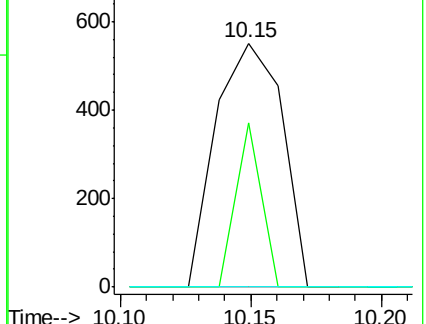
169 0.0 10.6 15.8#

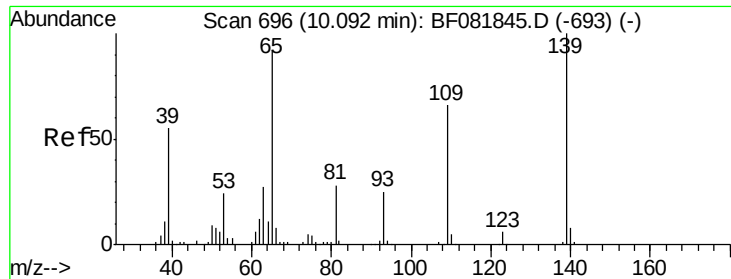


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 0.09 ng

RT: 10.15 min Scan# 701

Delta R.T. 0.06 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

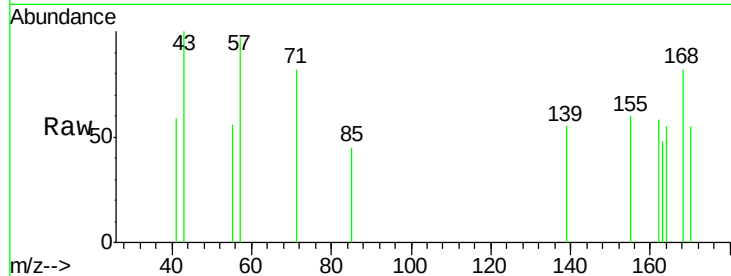
Tot Ion:139 Resp: 255

Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

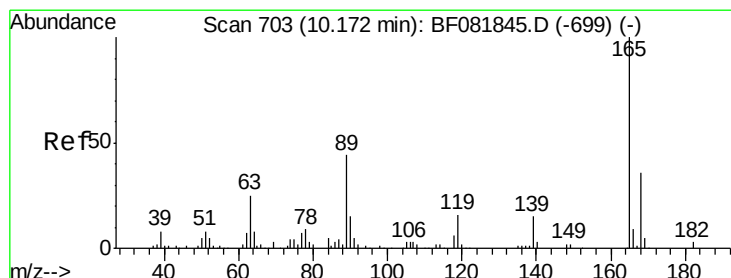
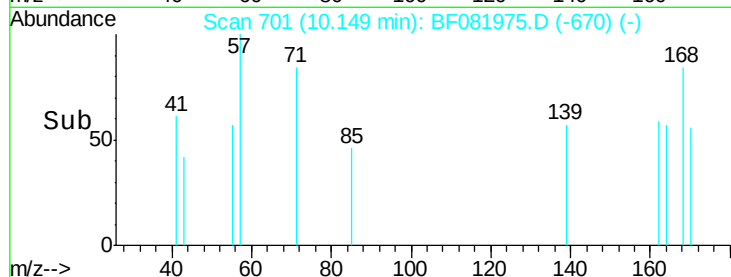
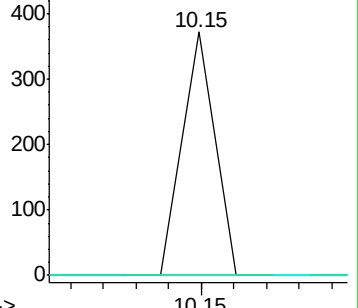
65 0.0 45.9 85.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 6.79 ng

RT: 9.93 min Scan# 682

Delta R.T. -0.24 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Tgt Ion:165 Resp: 30577

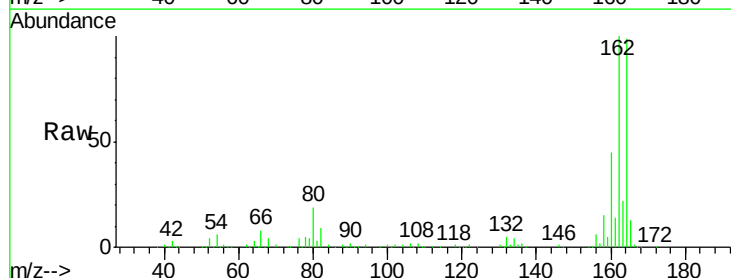
Ion Ratio Lower Upper

165 100

63 1.3 29.8 44.6#

89 1.2 44.5 66.7#

182 0.0 3.0 4.4#

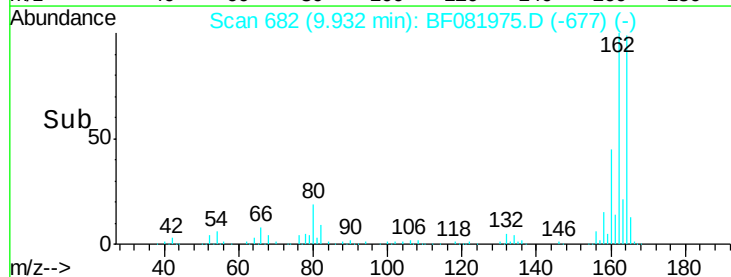
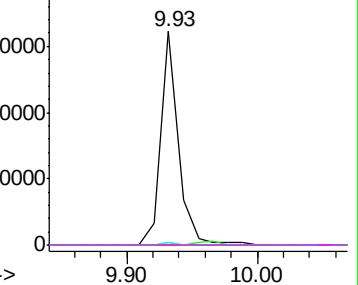


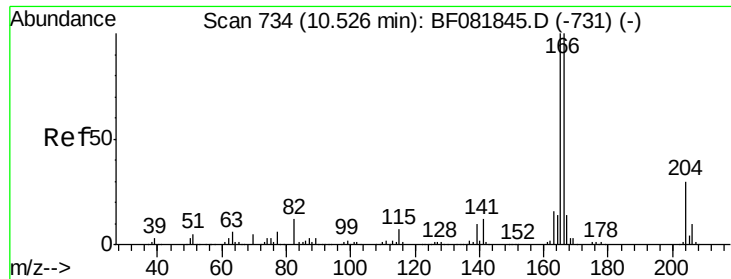
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 730

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

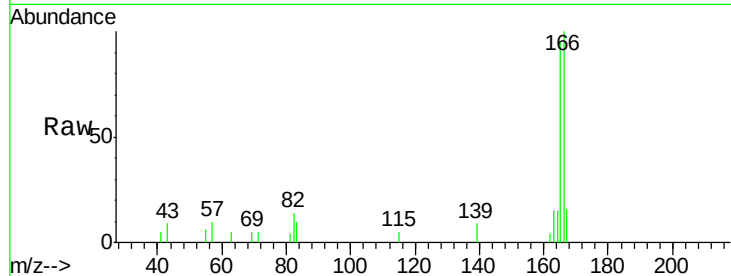
Tot Ion:166 Resp: 15018

Ion Ratio Lower Upper

166 100

165 94.8 72.6 109.0

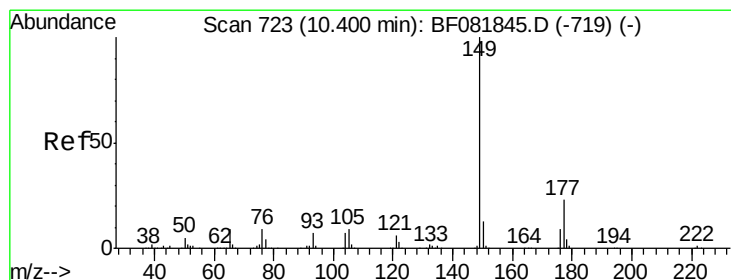
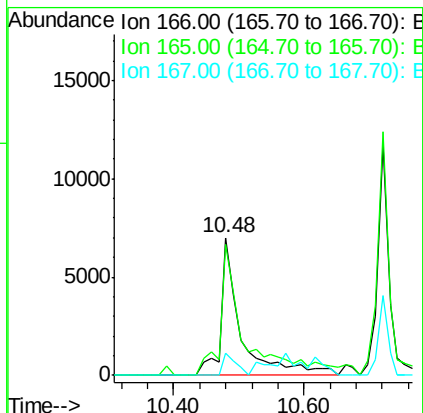
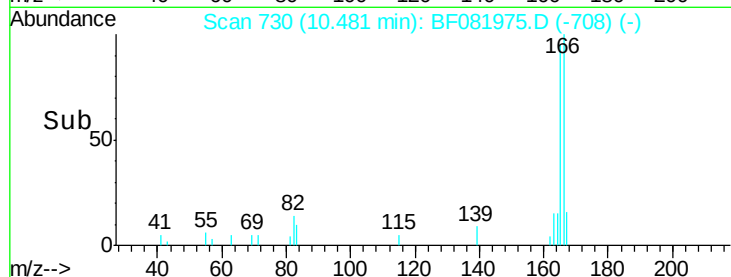
167 16.3 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.08 ng

RT: 10.35 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

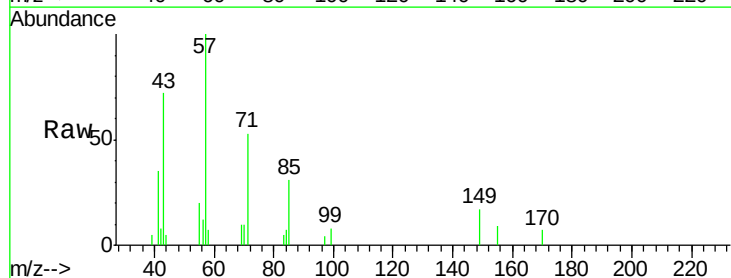
Tgt Ion:149 Resp: 1232

Ion Ratio Lower Upper

149 100

177 0.0 17.5 26.3#

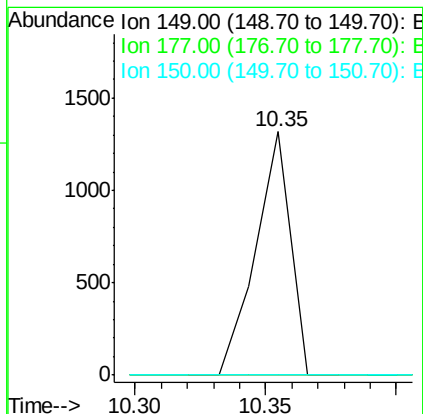
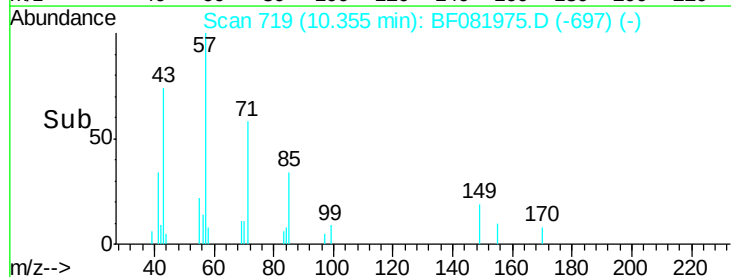
150 0.0 9.4 14.2#

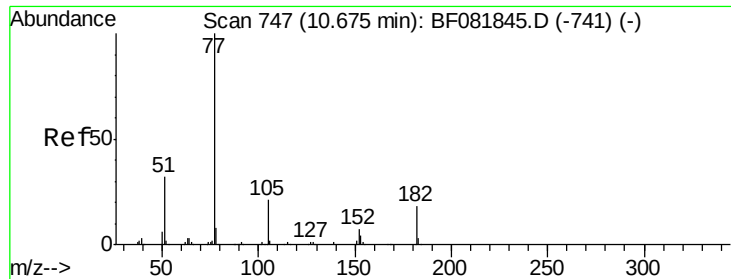


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.07 ng

RT: 10.72 min Scan# 751

Delta R.T. 0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

Tot Ion: 77 Resp: 1088

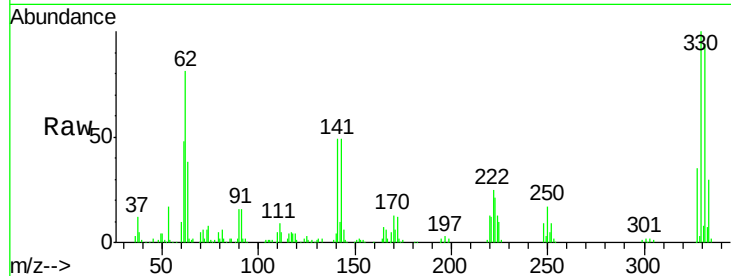
Ion Ratio Lower Upper

77 100

182 51.6 15.1 55.1

105 72.2 3.4 43.4#

51 73.4 12.0 52.0#

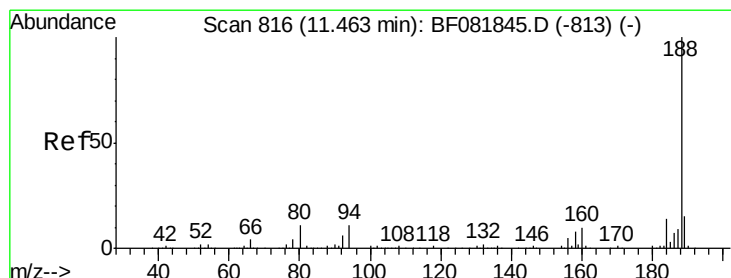
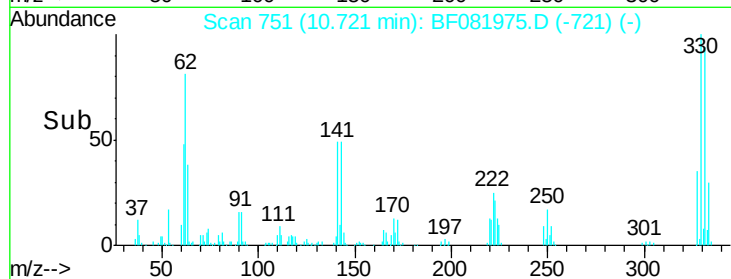
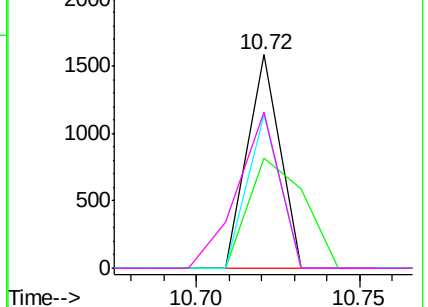


Abundance Ion 77.00 (76.70 to 77.70): BF0

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 812

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

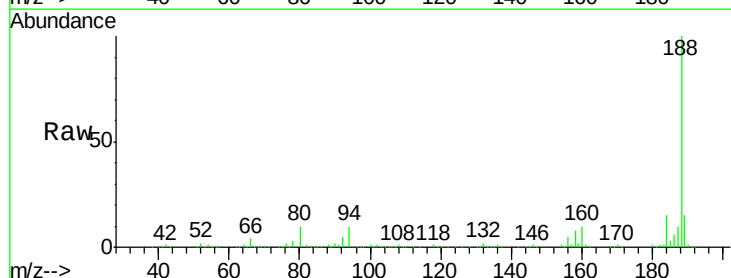
Tgt Ion: 188 Resp: 474217

Ion Ratio Lower Upper

188 100

94 9.5 11.1 16.7#

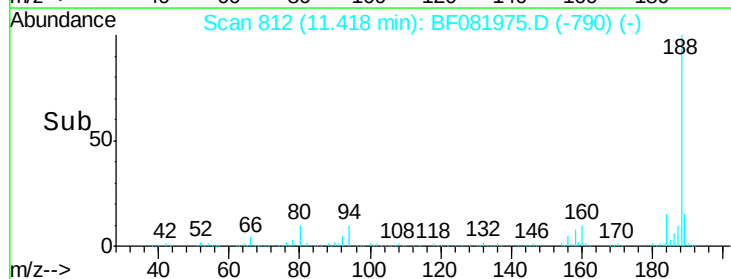
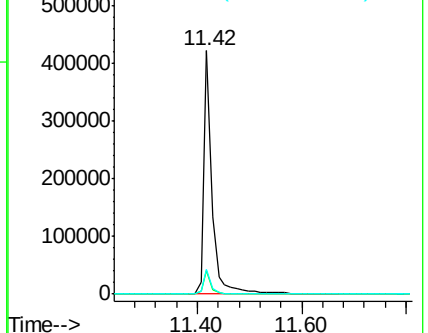
80 10.4 11.0 16.4#

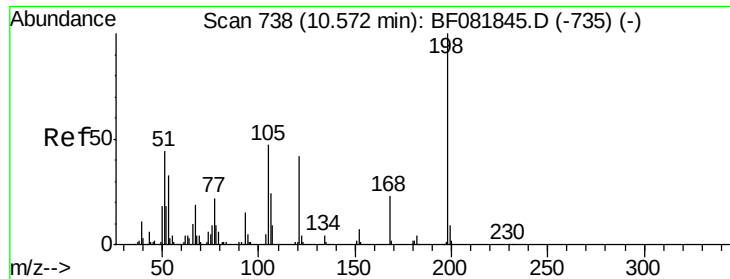


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

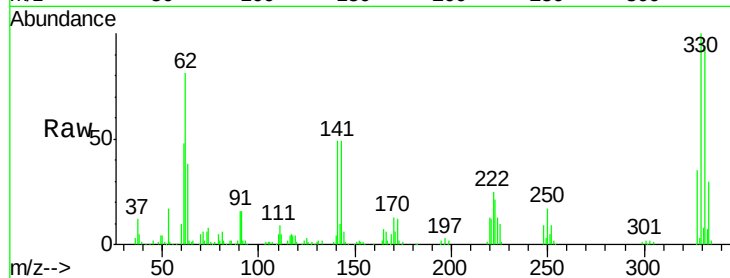




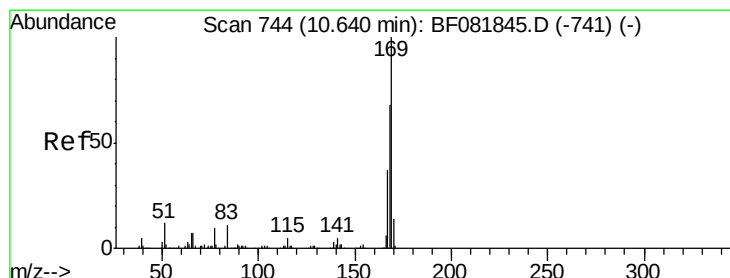
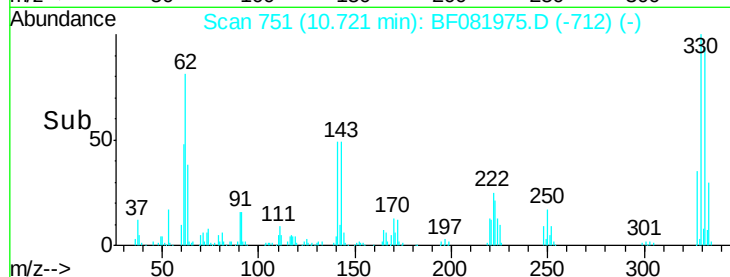
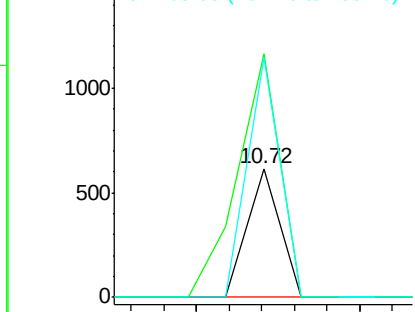
#64
 4,6-Dinitro-2-methylphenol
 Concen: 1.39 ng
 RT: 10.72 min Scan# 751
 Delta R.T. 0.15 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

Instrument :
 BNA_F
 ClientSampleId :
 MGP123-26-27

Tot Ion:198 Resp: 422
 Ion Ratio Lower Upper
 198 100
 51 189.0 39.6 79.6#
 105 185.9 28.5 68.5#

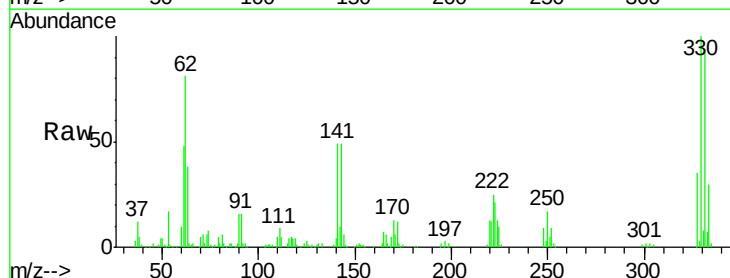


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

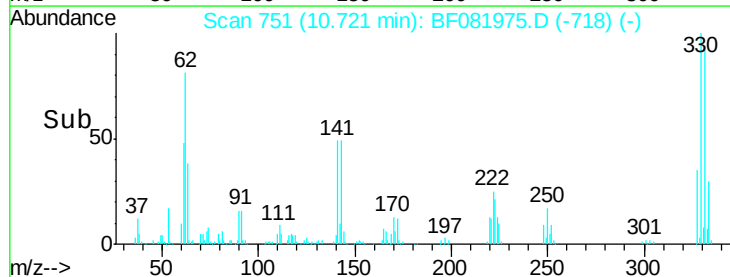
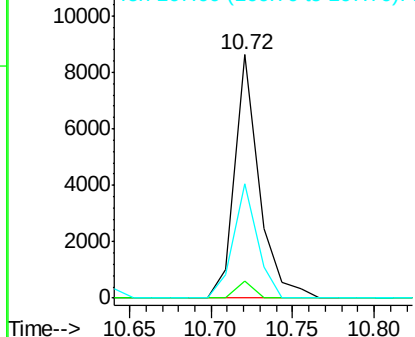


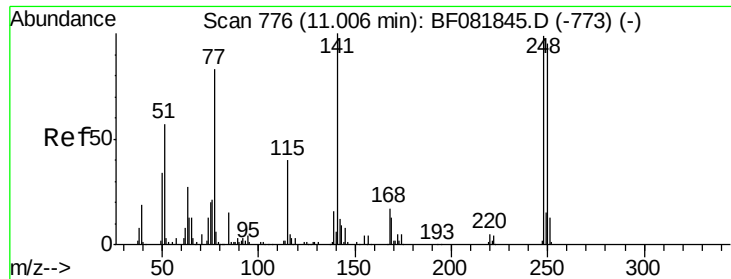
#65
 n-Nitrosodiphenylamine
 Concen: 0.62 ng
 RT: 10.72 min Scan# 751
 Delta R.T. 0.08 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

Tgt Ion:169 Resp: 8917
 Ion Ratio Lower Upper
 169 100
 168 6.8 48.9 73.3#
 167 46.9 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

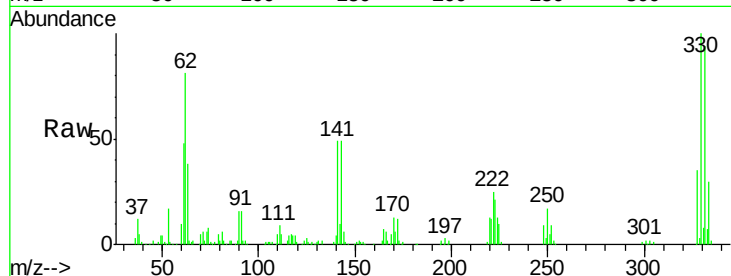




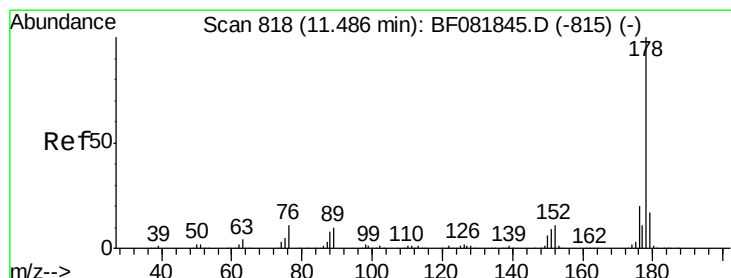
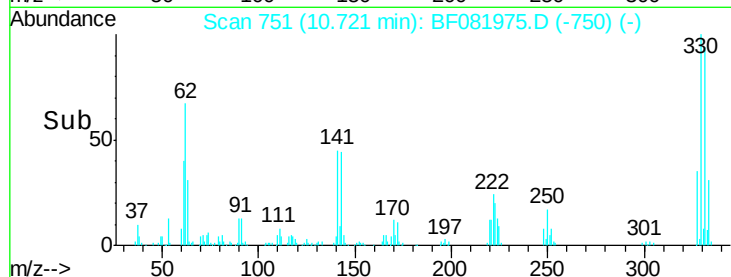
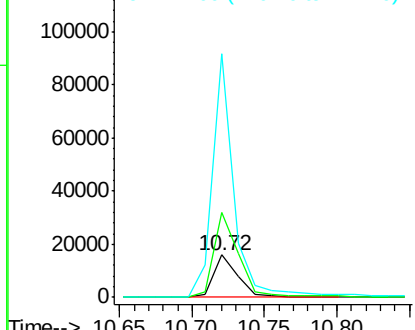
#66
4-Bromophenyl-phenylether
Concen: 3.92 ng
RT: 10.72 min Scan# 751
Delta R.T. -0.29 min
Lab File: BF081975.D
Acq: 2 Oct 2015 9:22

Instrument :
BNA_F
ClientSampleId :
MGP123-26-27

Tot Ion:248 Resp: 18748
Ion Ratio Lower Upper
248 100
250 199.5 78.5 117.7#
141 571.4 59.0 88.6#

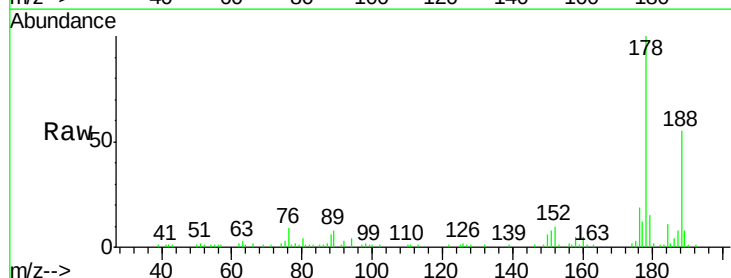


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

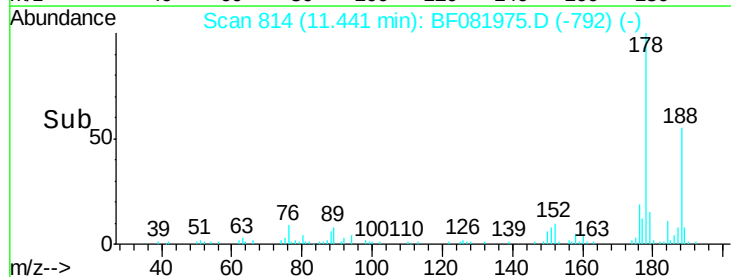
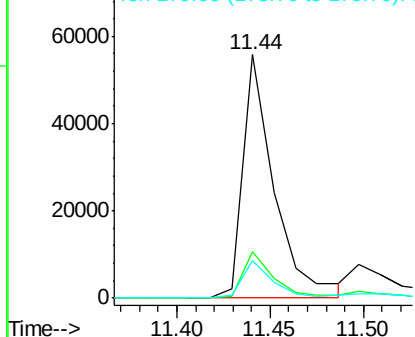


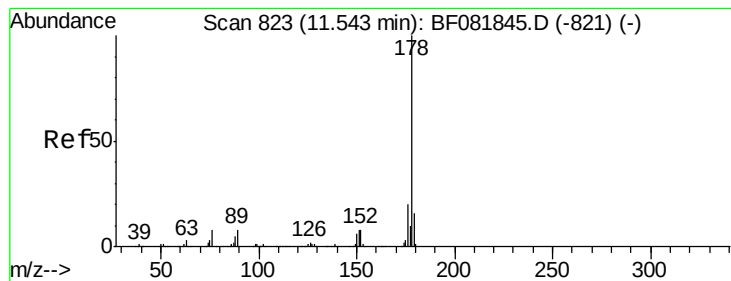
#70
Phenanthrene
Concen: 1.26 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF081975.D
Acq: 2 Oct 2015 9:22

Tgt Ion:178 Resp: 65603
Ion Ratio Lower Upper
178 100
176 19.1 13.8 20.8
179 15.3 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





#71

Anthracene

Concen: 0.76 ng

RT: 11.50 min Scan# 819

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

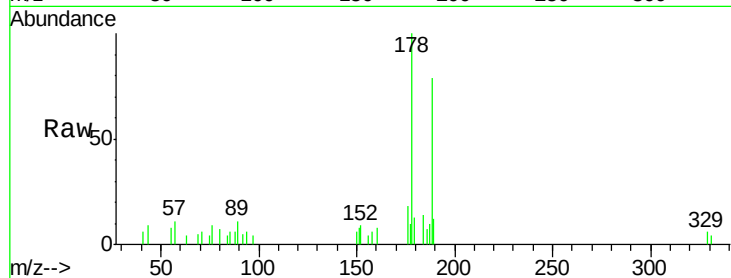
Tot Ion:178 Resp: 18221

Ion Ratio Lower Upper

178 100

176 18.4 14.1 21.1

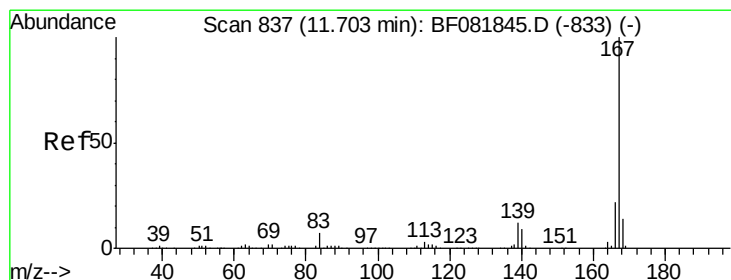
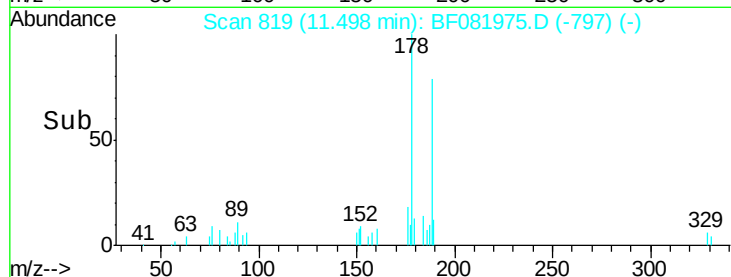
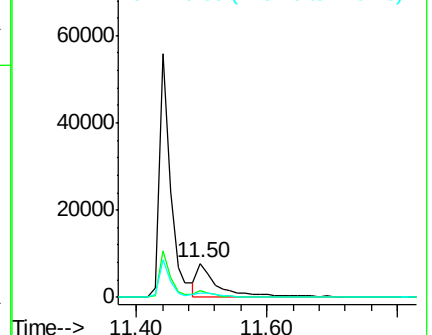
179 13.1 12.2 18.2



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



#72

Carbazole

Concen: 0.01 ng

RT: 11.69 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

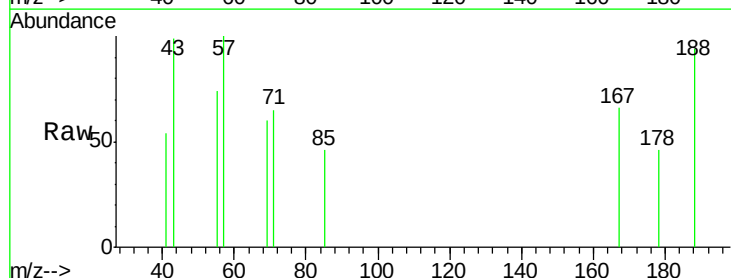
Tgt Ion:167 Resp: 314

Ion Ratio Lower Upper

167 100

166 0.0 15.7 23.5#

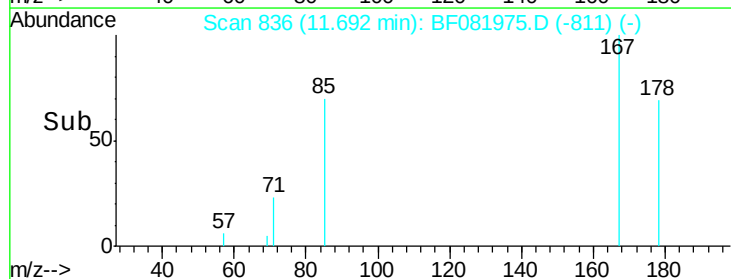
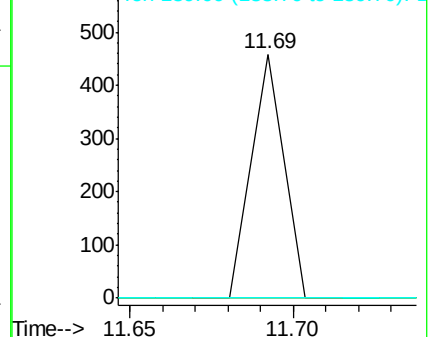
139 0.0 9.5 14.3#

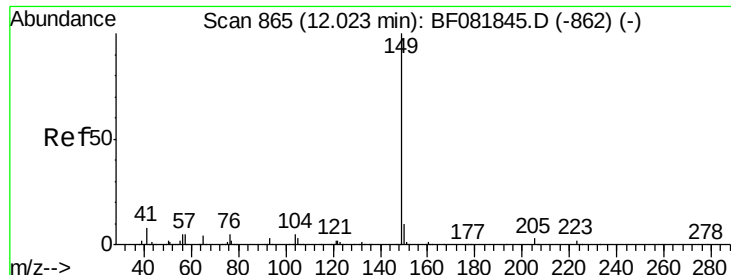


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.98 min Scan# 861

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

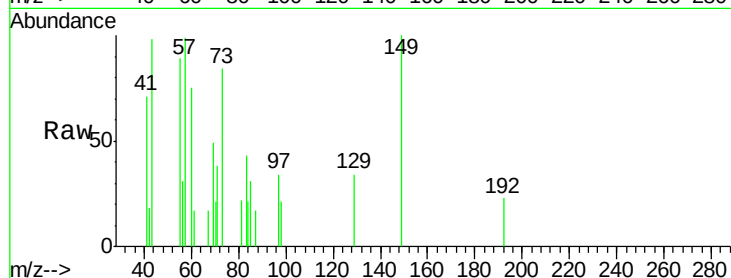
Tot Ion:149 Resp: 1591

Ion Ratio Lower Upper

149 100

150 0.0 7.4 11.2#

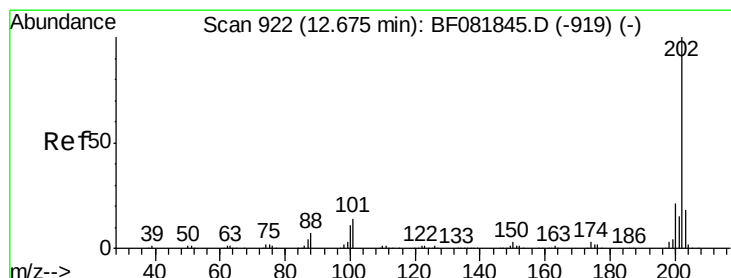
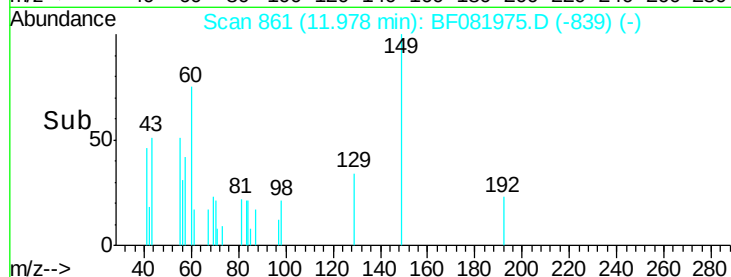
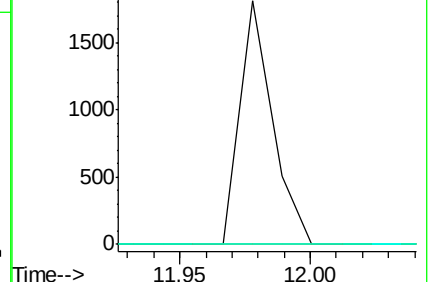
104 0.0 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.03 ng

RT: 12.63 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

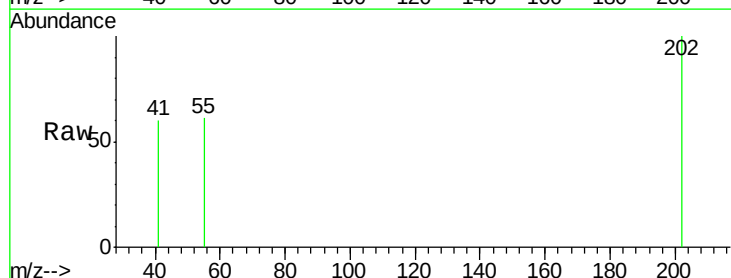
Tgt Ion:202 Resp: 747

Ion Ratio Lower Upper

202 100

101 0.0 0.0 38.3

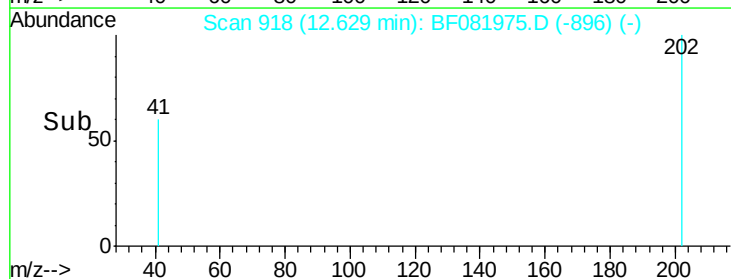
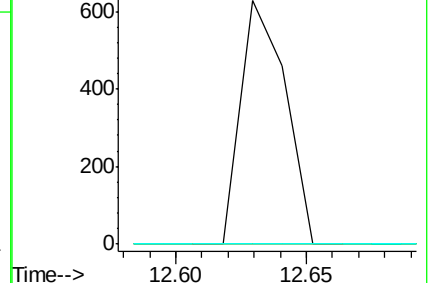
203 0.0 0.0 37.3

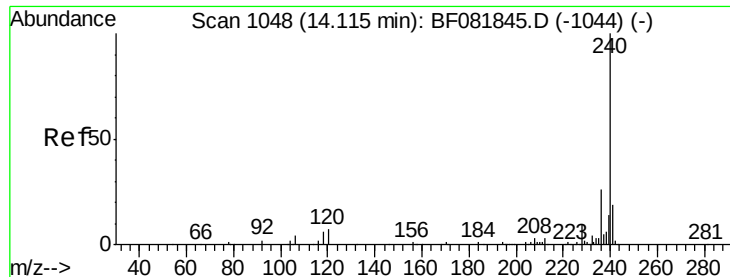


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

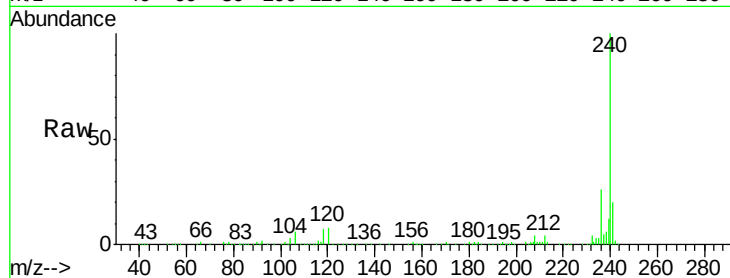
Tot Ion:240 Resp: 442225

Ion Ratio Lower Upper

240 100

120 8.1 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

14.06

400000

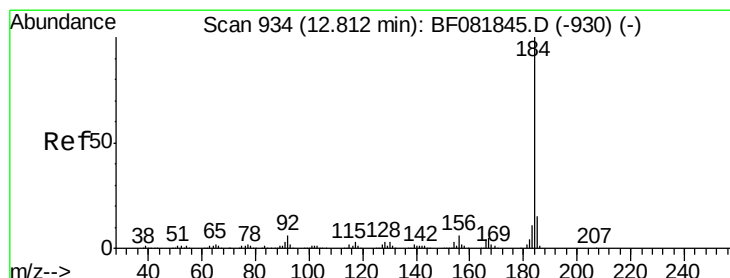
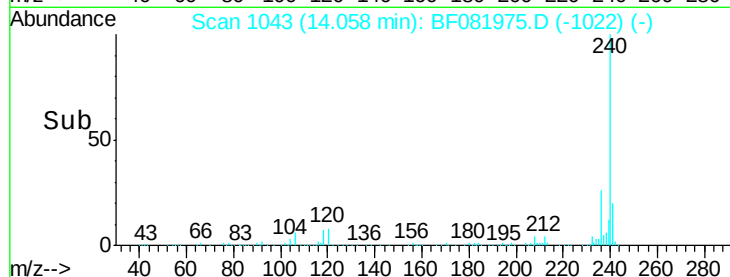
300000

200000

100000

0

Time--> 14.00 14.20 14.40



#76

Benzidine

Concen: 1.18 ng

RT: 13.01 min Scan# 951

Delta R.T. 0.19 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

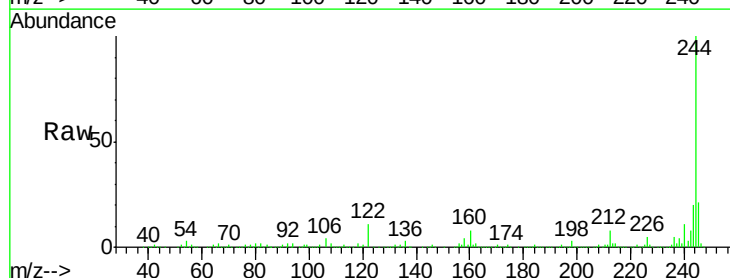
Tgt Ion:184 Resp: 15711

Ion Ratio Lower Upper

184 100

185 17.2 11.8 17.6

183 14.0 7.6 11.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

13.01

20000

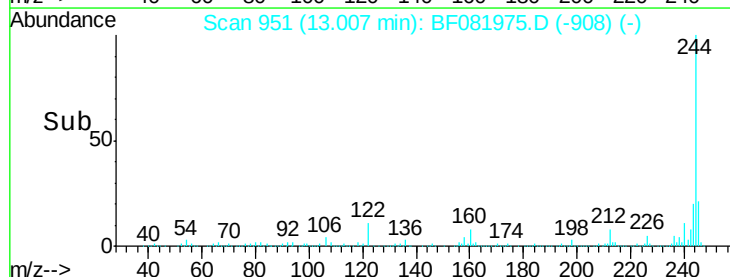
15000

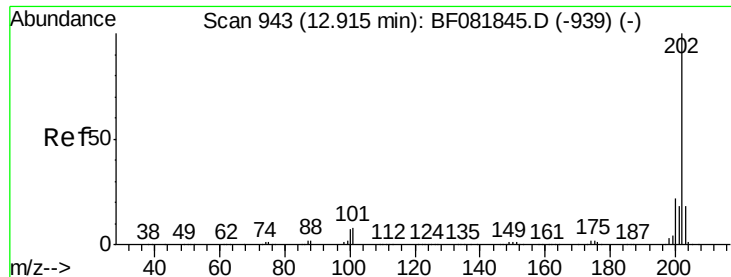
10000

5000

0

Time--> 12.95 13.00

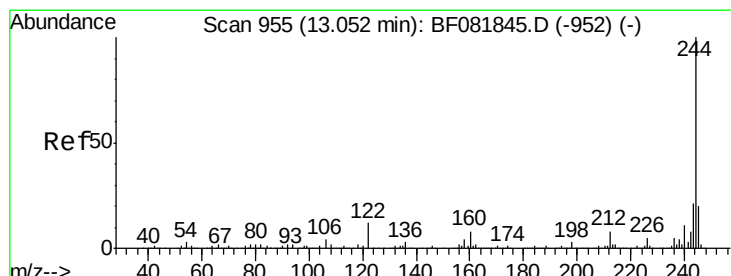
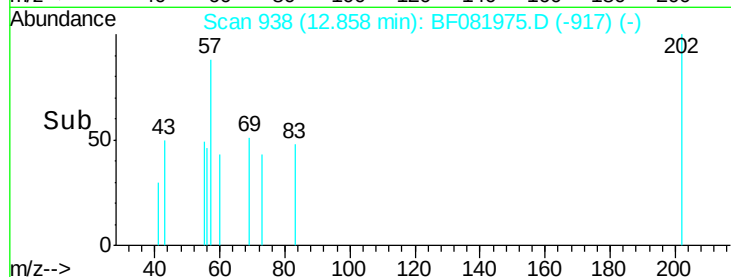
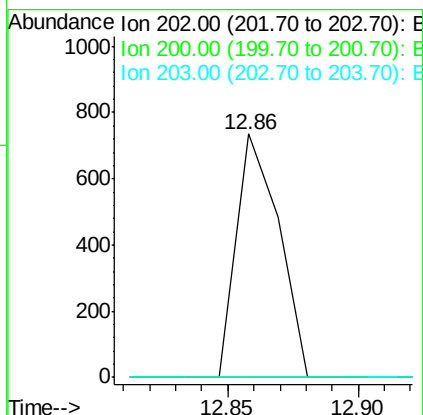
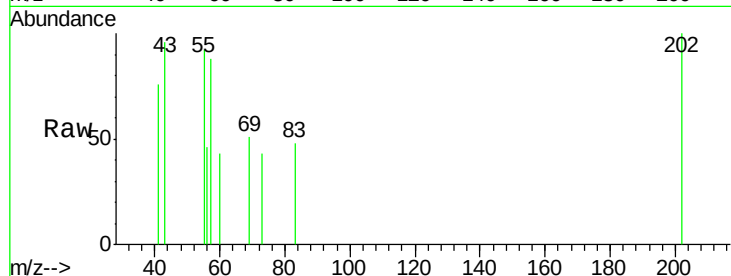




#77
 Pvrene
 Concen: 0.03 ng
 RT: 12.86 min Scan# 938
 Delta R.T. -0.06 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

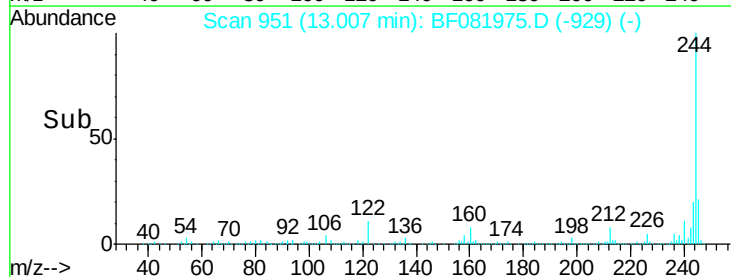
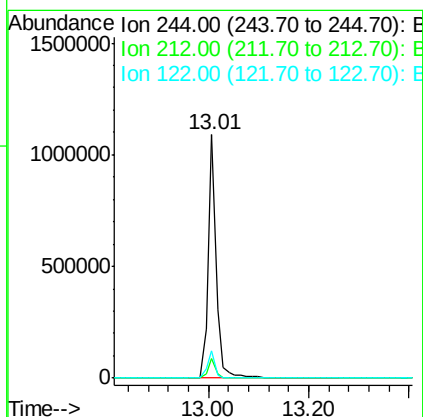
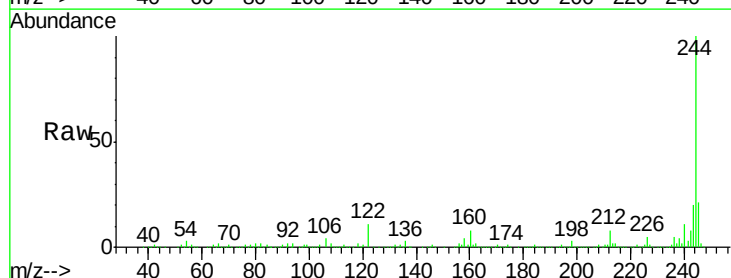
Instrument :
 BNA_F
 ClientSampleId :
 MGP123-26-27

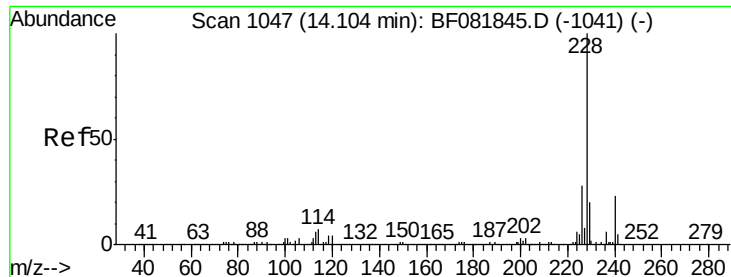
Tot Ion	Ratio	Lower	Upper
202	100		
200	0.0	15.0	22.4#
203	0.0	14.1	21.1#



#78
 Terphenyl-d14
 Concen: 89.42 ng
 RT: 13.01 min Scan# 951
 Delta R.T. -0.05 min
 Lab File: BF081975.D
 Acq: 2 Oct 2015 9:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	4.3	6.5#
122	11.4	17.4	26.2#





#80

Benzo(a)anthracene

Concen: 0.07 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

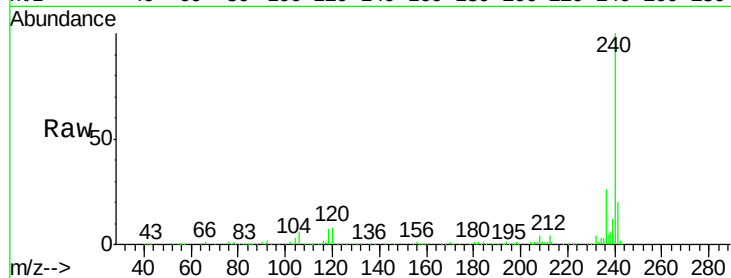
Tot Ion:228 Resp: 1563

Ion Ratio Lower Upper

228 100

226 0.0 20.0 30.0#

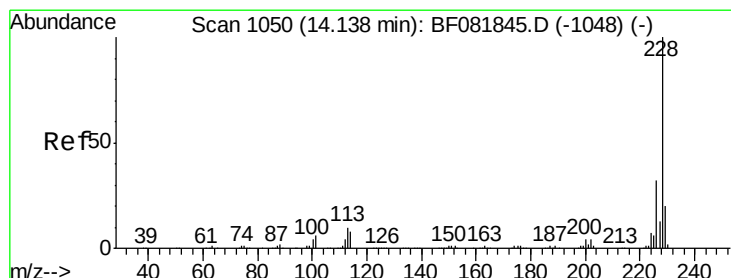
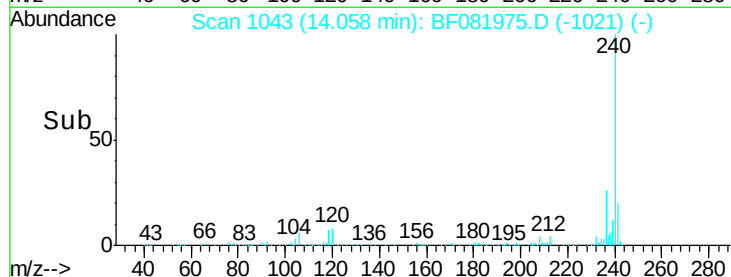
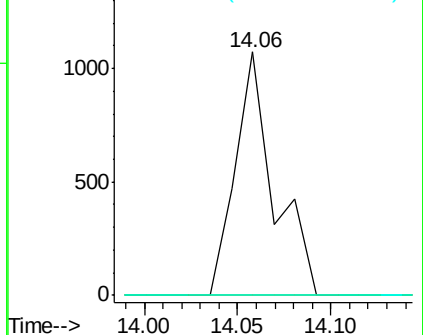
229 0.0 15.4 23.2#



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: 0.95 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.08 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

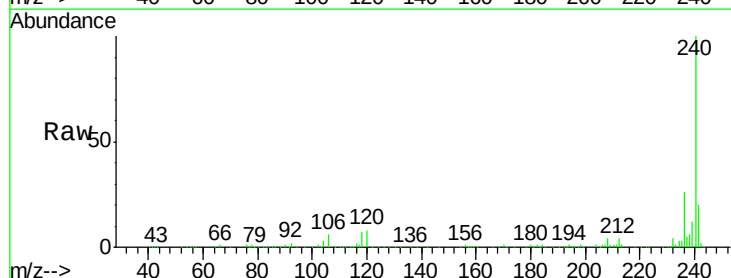
Tgt Ion:228 Resp: 1563

Ion Ratio Lower Upper

228 100

226 0.0 21.0 31.4#

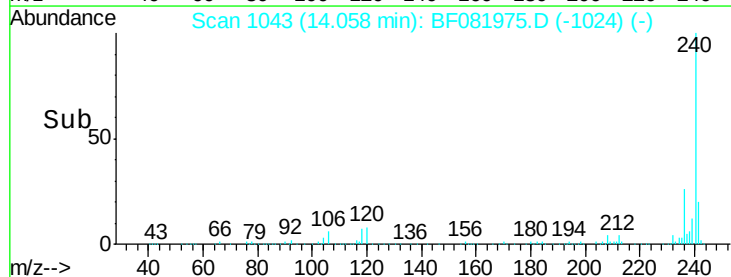
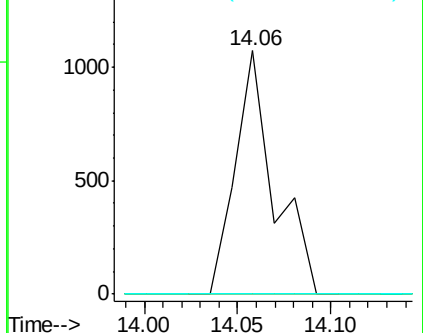
229 0.0 15.6 23.4#

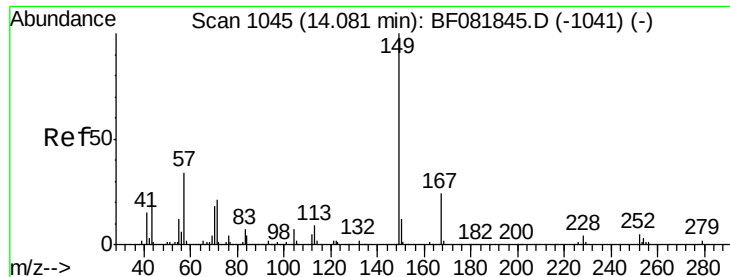


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.06 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.05 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

Instrument :

BNA_F

ClientSampleId :

MGP123-26-27

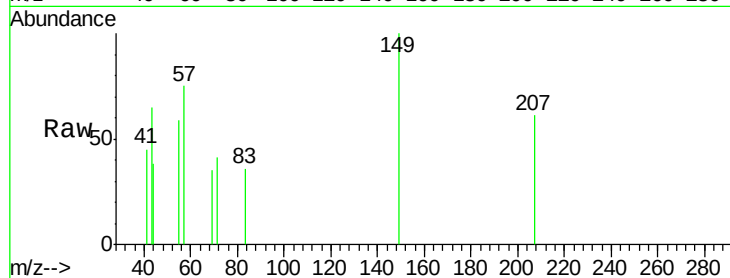
Tot Ion:149 Resp: 806

Ion Ratio Lower Upper

149 100

167 0.0 24.2 36.2#

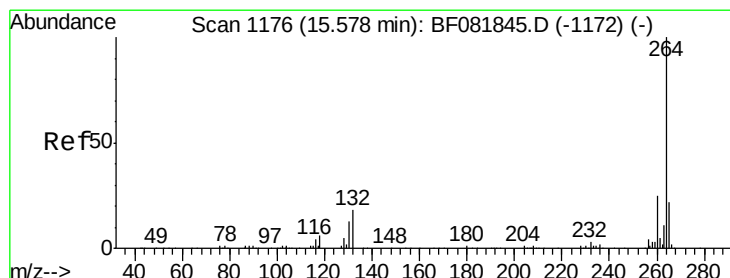
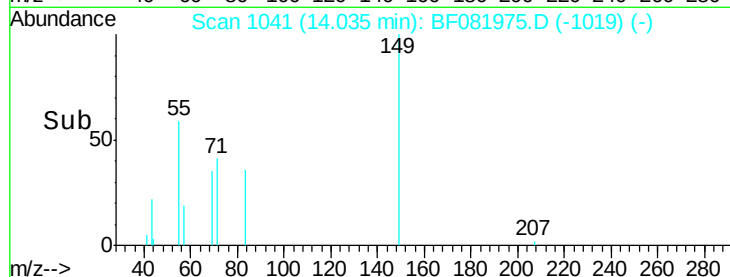
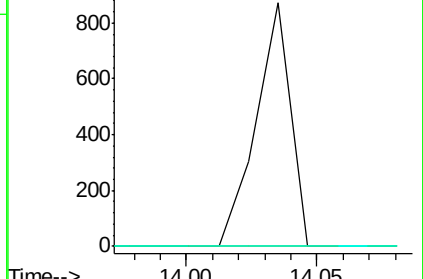
279 0.0 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 1169

Delta R.T. -0.08 min

Lab File: BF081975.D

Acq: 2 Oct 2015 9:22

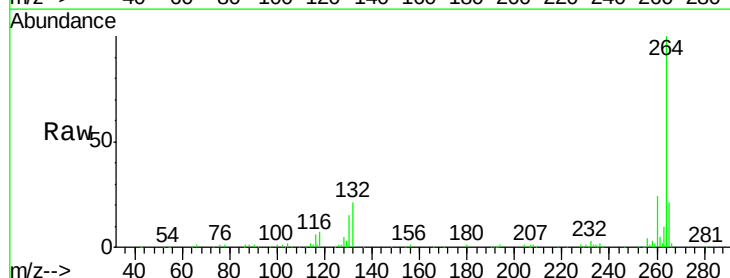
Tgt Ion:264 Resp: 321654

Ion Ratio Lower Upper

264 100

260 23.9 16.7 25.1

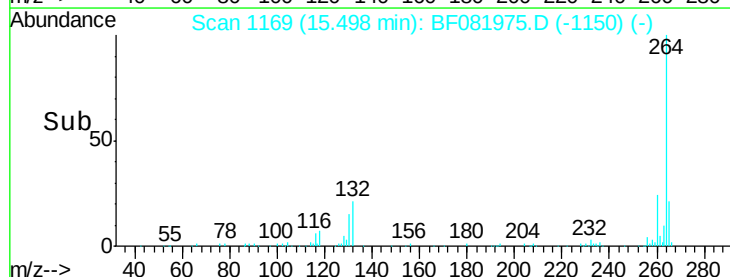
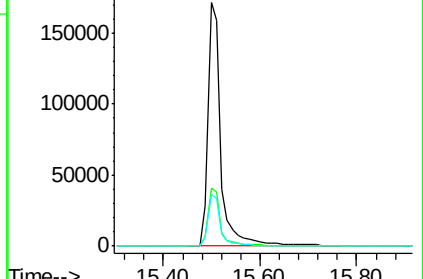
265 21.0 17.2 25.8

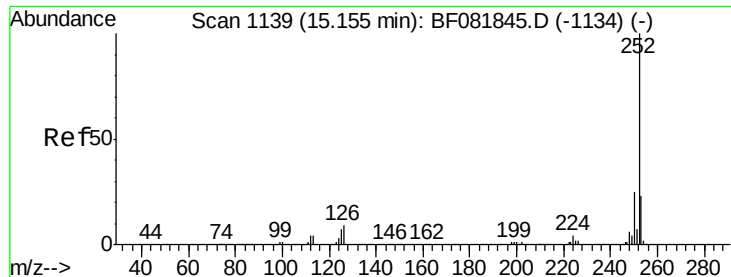


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

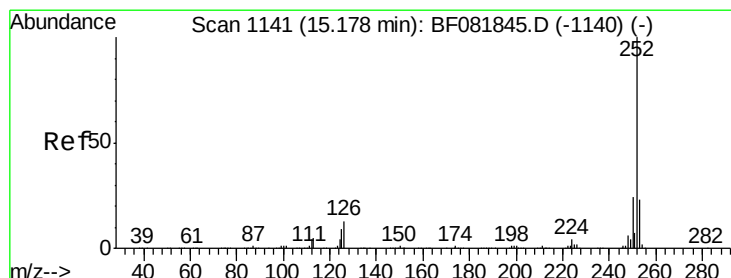
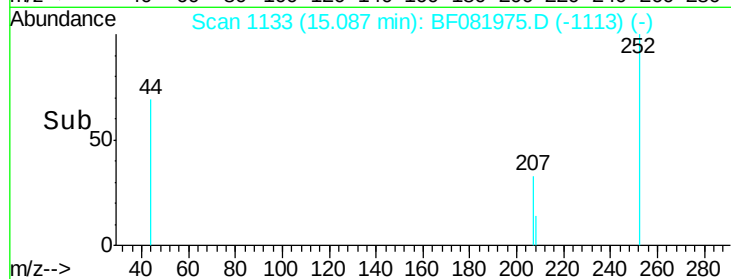
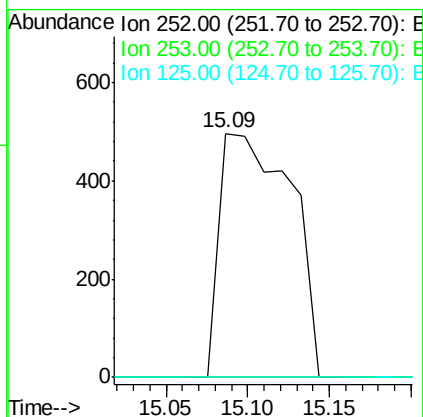
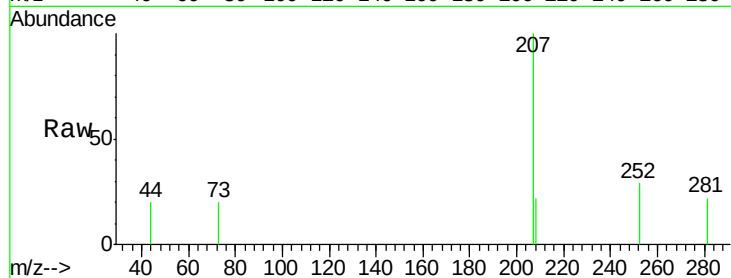




#87
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.07 min
Lab File: BF081975.D
Acq: 2 Oct 2015 9:22

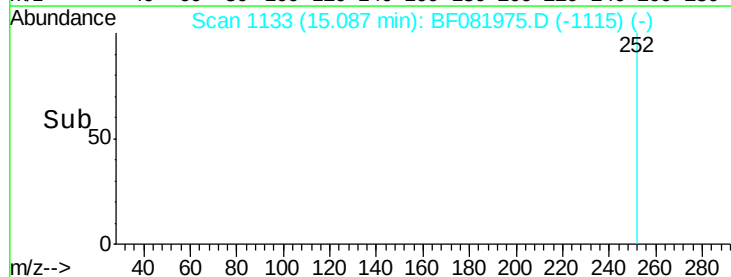
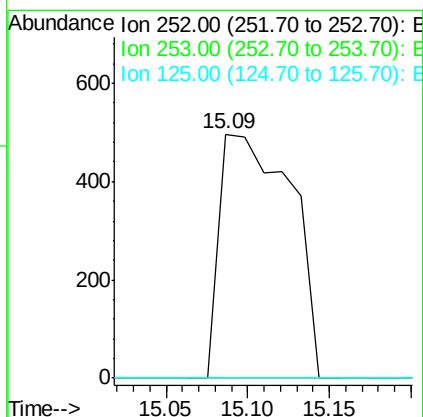
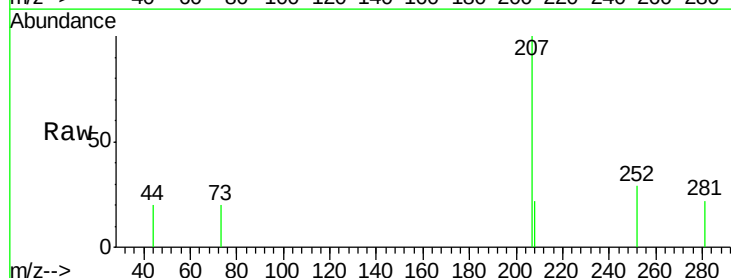
Instrument :
BNA_F
ClientSampleId :
MGP123-26-27

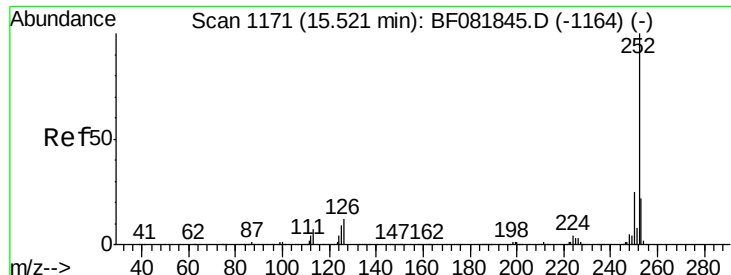
Tot Ion:252 Resp: 1506
Ion Ratio Lower Upper
252 100
253 0.0 17.5 26.3#
125 0.0 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.09 min
Lab File: BF081975.D
Acq: 2 Oct 2015 9:22

Tgt Ion:252 Resp: 1506
Ion Ratio Lower Upper
252 100
253 0.0 17.0 25.4#
125 0.0 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 15.51 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF081975.D

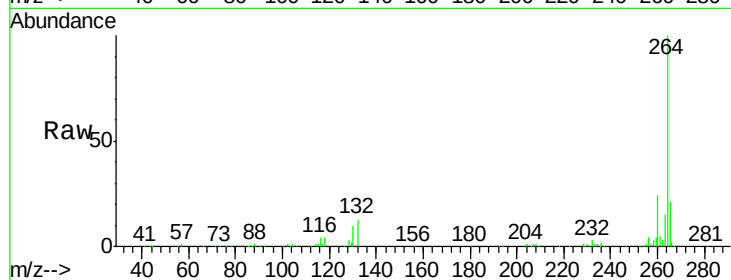
Acq: 2 Oct 2015 9:22

Instrument :

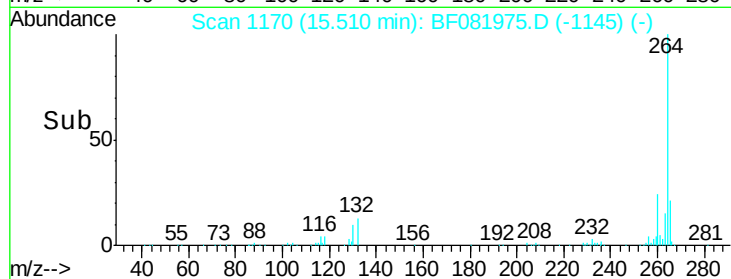
BNA_F

ClientSampleId :

MGP123-26-27



Tot Ion:	252	Resp:	790
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.2	25.8#
125	0.0	18.0	27.0#



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

