

Data Path : Z:\HPCHEM1\BNA F\Data\BF101817\
 Data File : BF099650.D
 Acq On : 19 Oct 2017 7:21
 Operator : SJ/JU
 Sample : I5929-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-2-COMP

Quant Time: Oct 19 10:24:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

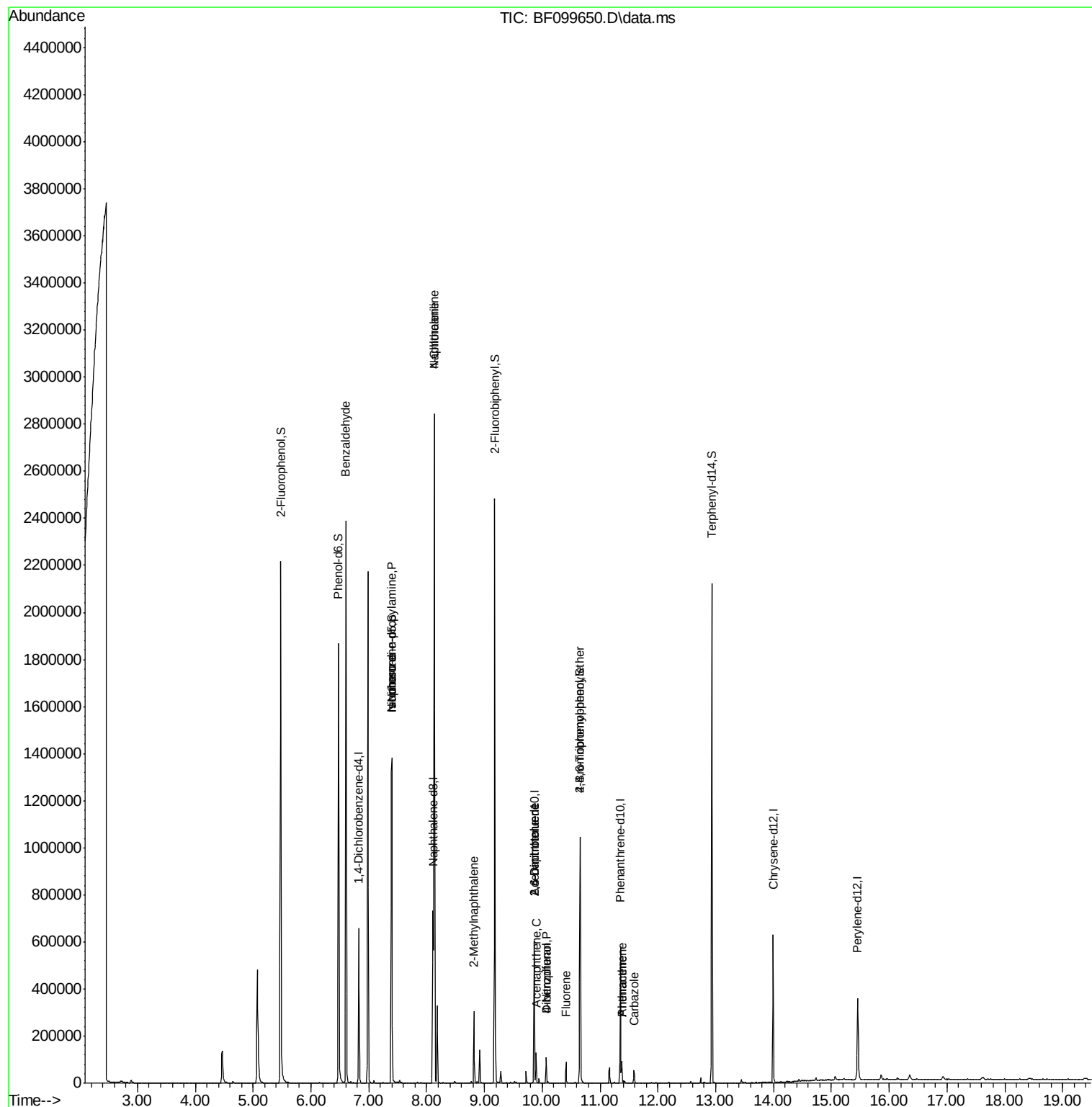
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.828	152	92791	20.00	ng	-0.04
21) Naphthalene-d8	8.110	136	339201	20.00	ng	-0.04
38) Acenaphthene-d10	9.863	164	120830	20.00	ng	-0.04
63) Phenanthrene-d10	11.351	188	193193	20.00	ng	-0.04
75) Chrysene-d12	13.992	240	200336	20.00	ng	-0.04
86) Perylene-d12	15.457	264	155397	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	739452	126.86	ng	0.00
7) Phenol-d6	6.475	99	785059	109.18	ng	-0.02
23) Nitrobenzene-d5	7.398	82	509248	96.28	ng	-0.04
41) 2,4,6-Tribromophenol	10.657	330	134825	136.36	ng	-0.04
44) 2-Fluorobiphenyl	9.180	172	865604	119.59	ng	-0.05
78) Terphenyl-d14	12.933	244	688627	78.17	ng	-0.04
Target Compounds						Qvalue
9) Benzaldehyde	6.604	77	13682	3.28	ng	90
19) n-Nitroso-di-n-propyla...	7.392	70	63528	13.84	ng	# 72
25) Isophorone	7.398	82	509241	46.57	ng	# 64
31) Naphthalene	8.133	128	1397277	87.71	ng	99
33) 4-Chloroaniline	8.133	127	189812	28.53	ng	# 34
37) 2-Methylnaphthalene	8.822	142	89766	8.67	ng	97
50) 2,6-Dinitrotoluene	9.863	165	15138	7.62	ng	# 24
51) Acenaphthene	9.892	154	27261	3.61	ng	96
54) Dibenzofuran	10.069	168	44837	4.45	ng	96
55) 4-Nitrophenol	10.069	139	15366	7.85	ng	# 9
56) 2,4-Dinitrotoluene	9.863	165	15138	5.87	ng	# 21
57) Fluorene	10.410	166	24270	3.00	ng	99
66) 4-Bromophenyl-phenylether	10.657	248	8825	4.67	ng	# 1
70) Phenanthrene	11.374	178	32585	3.15	ng	97
71) Anthracene	11.374	178	32585	3.08	ng	98
72) Carbazole	11.586	167	23236	2.24	ng	99

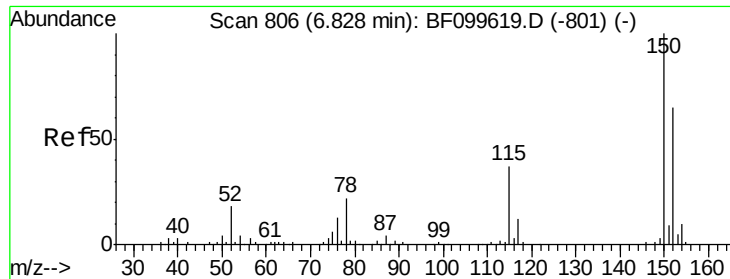
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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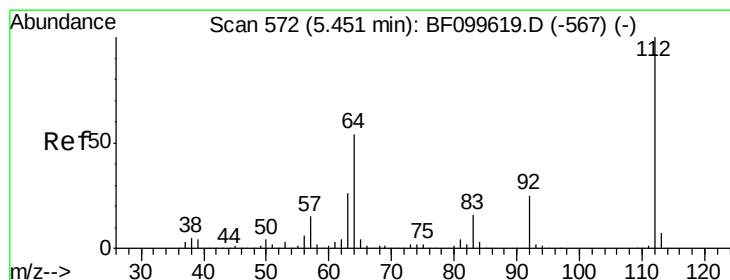
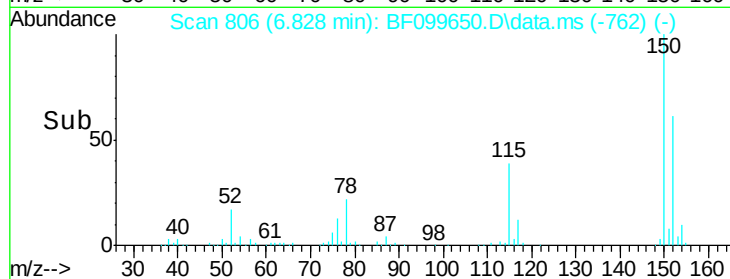
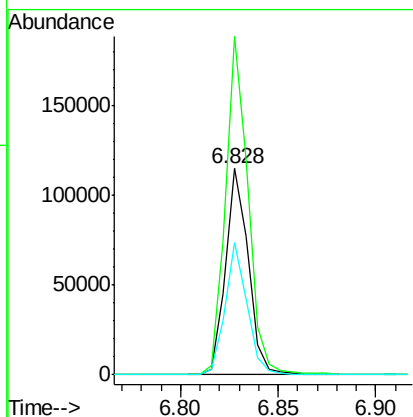
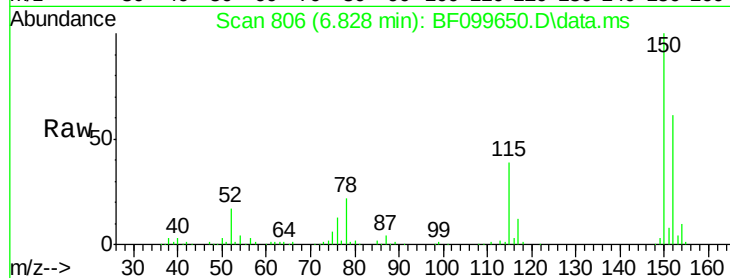




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.041 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

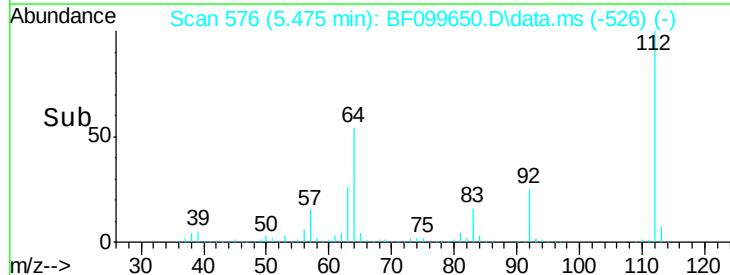
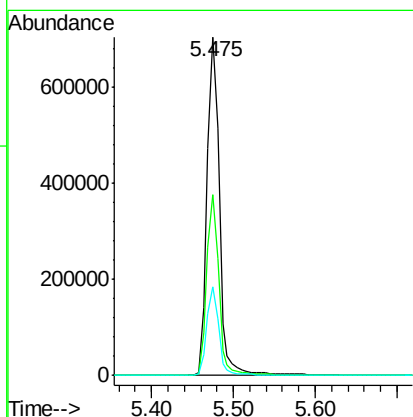
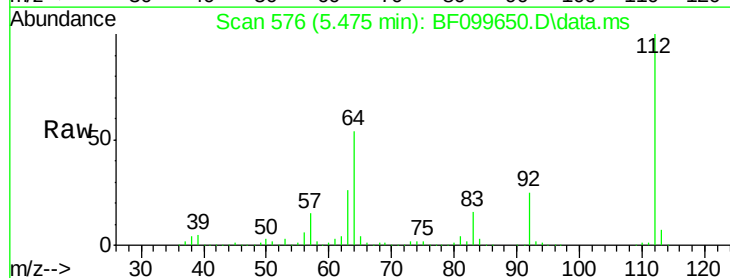
Instrument :
 BNA_F
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 TP-1-2-COMP

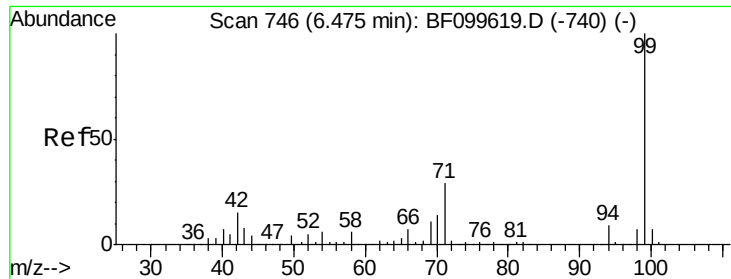
Tot Ion:152 Resp: 92791
 Ion Ratio Lower Upper
 152 100
 150 164.0 124.6 186.8
 115 64.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 126.86 ng
 RT: 5.475 min Scan# 576
 Delta R.T. -0.006 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Tgt Ion:112 Resp: 739452
 Ion Ratio Lower Upper
 112 100
 64 53.5 47.9 71.9
 63 26.1 23.7 35.5





#7

Phenol-d6

Concen: 109.18 ng

RT: 6.475 min Scan# 74

Delta R.T. -0.024 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

TP-1-2-COMP

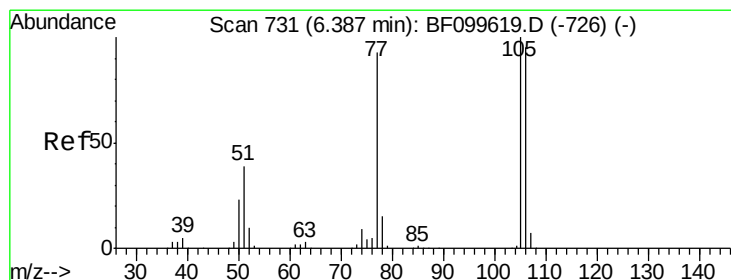
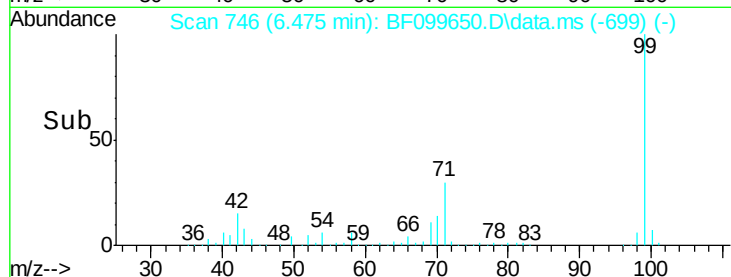
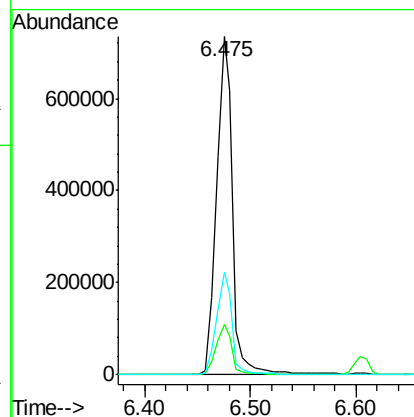
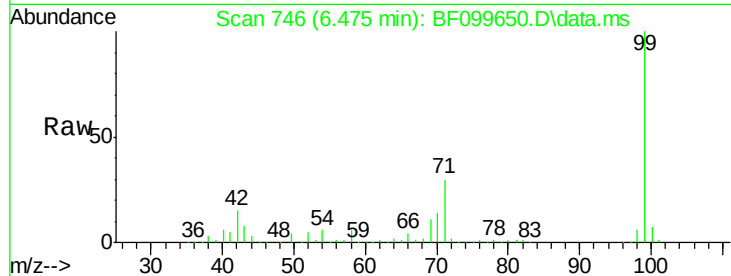
Tot Ion: 99 Resp: 785059

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

71 30.3 25.4 38.0



#9

Benzaldehyde

Concen: 3.28 ng

RT: 6.604 min Scan# 768

Delta R.T. 0.182 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

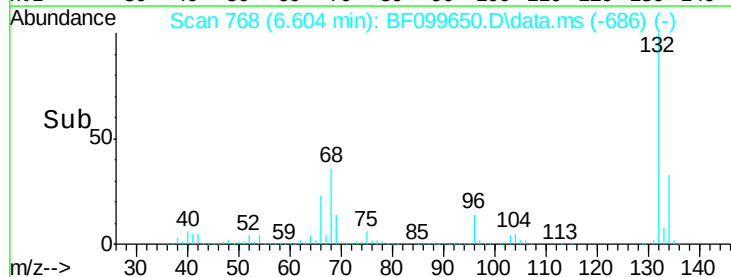
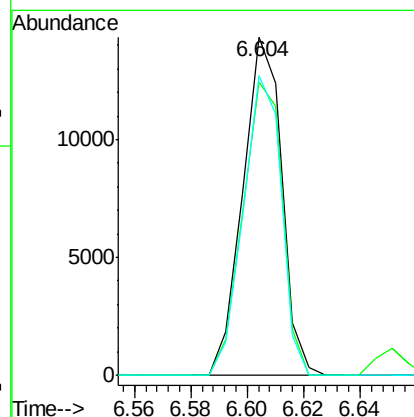
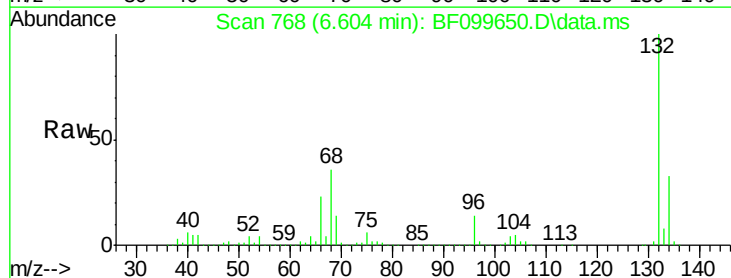
Tgt Ion: 77 Resp: 13682

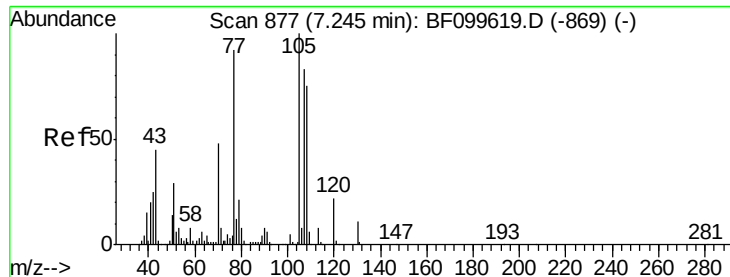
Ion Ratio Lower Upper

77 100

105 86.6 81.1 121.1

106 88.8 74.5 114.5

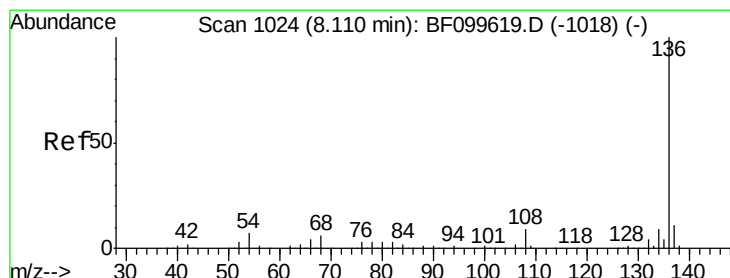
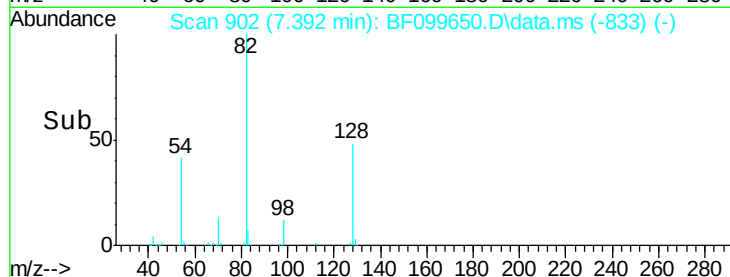
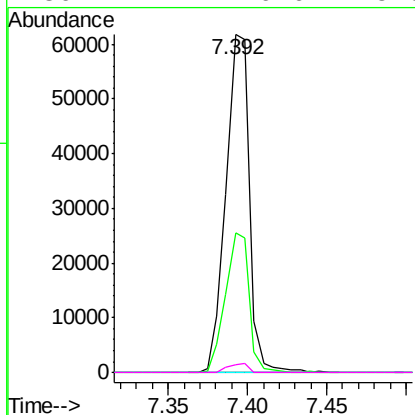
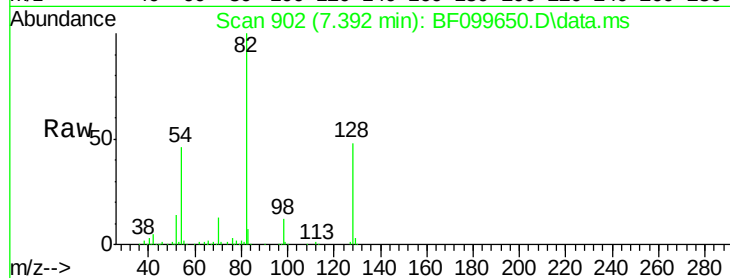




#19
n-Nitroso-di-n-propylamine
Concen: 13.84 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.106 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

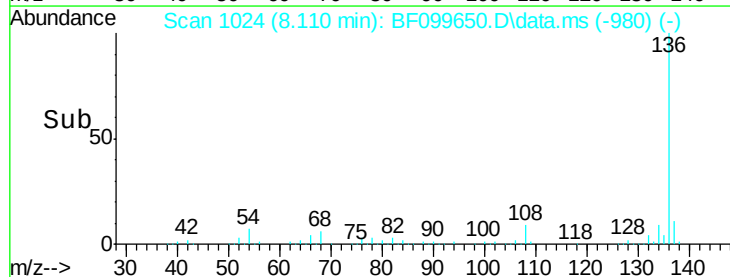
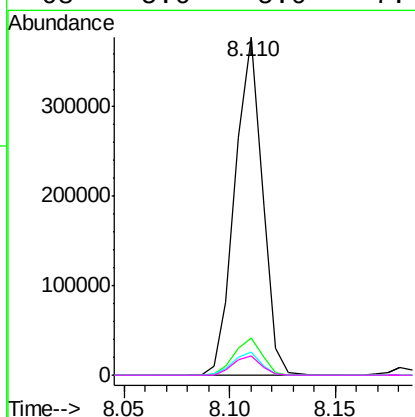
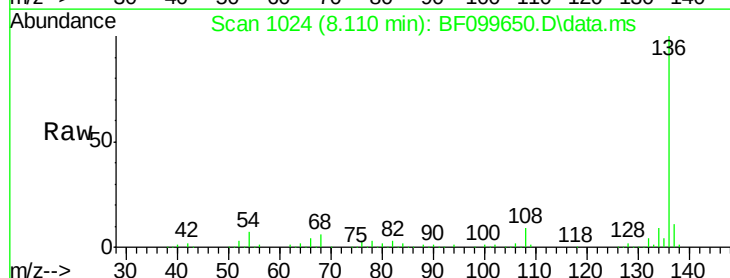
Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

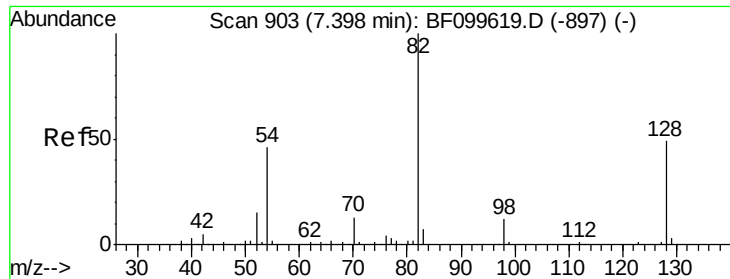
Tot Ion: 70 Resp: 63528
Ion Ratio Lower Upper
70 100
42 41.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.041 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion: 136 Resp: 339201
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.0 6.6 9.8
68 5.6 5.0 7.4

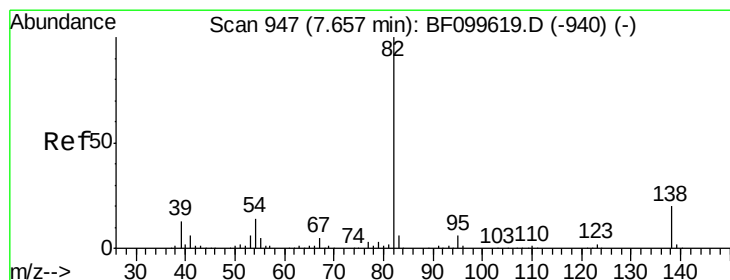
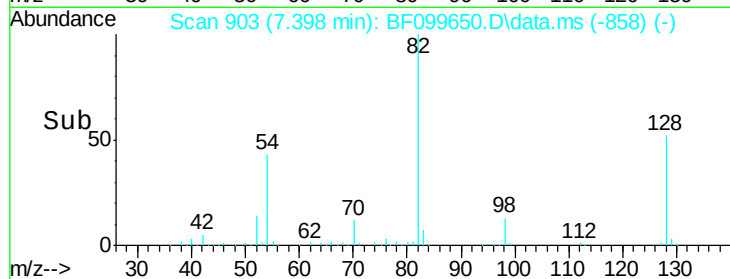
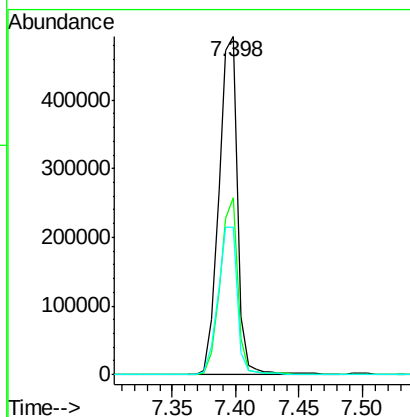
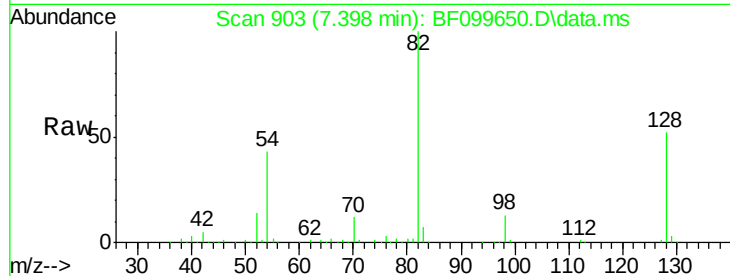




#23
Nitrobenzene-d5
Concen: 96.28 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.035 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

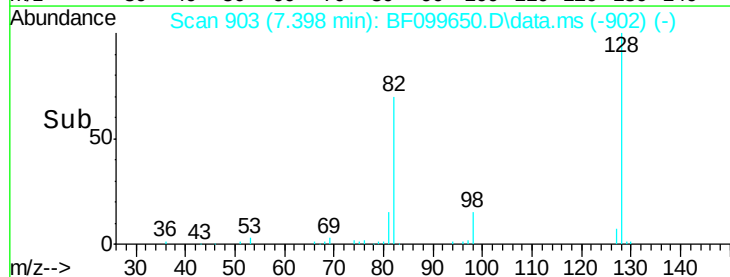
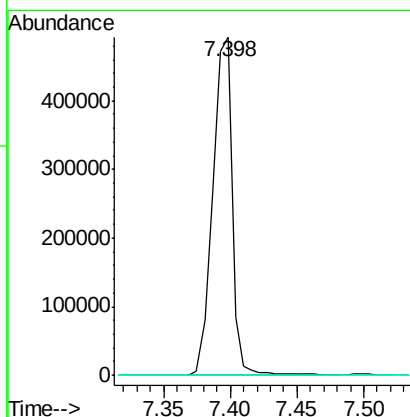
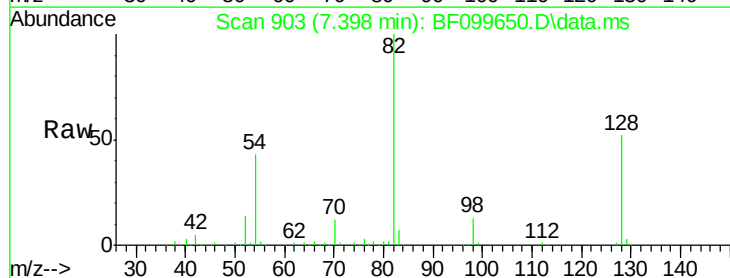
Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

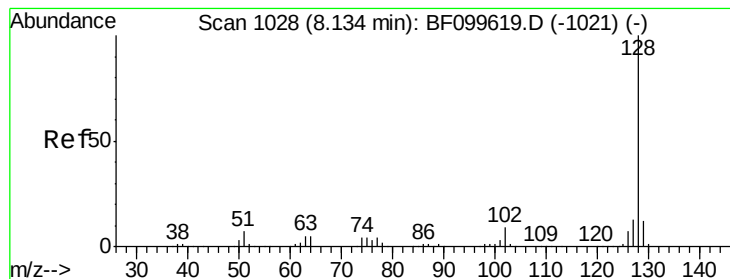
Tot Ion	82	Resp	509248
Ion Ratio	100	Lower	Upper
128	52.4	36.1	54.1
54	43.5	41.4	62.2



#25
Isophorone
Concen: 46.57 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.294 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion	82	Resp	509241
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#31

Naphthalene

Concen: 87.71 ng

RT: 8.133 min Scan# 1028

Delta R.T. -0.041 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

TP-1-2-COMP

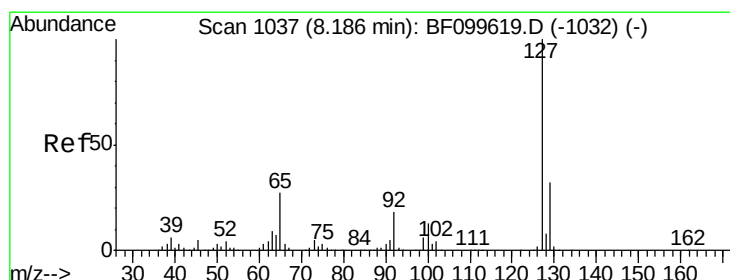
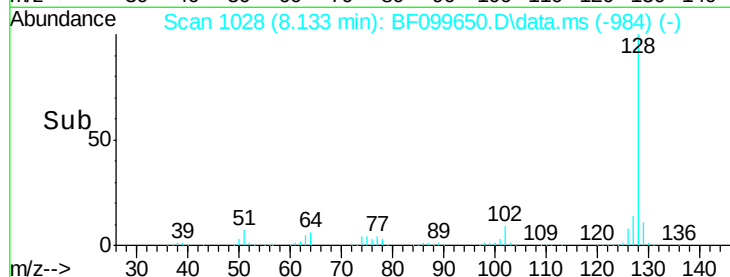
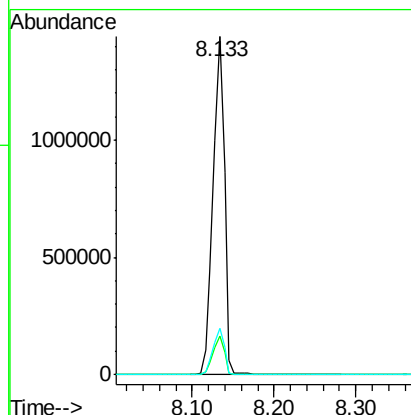
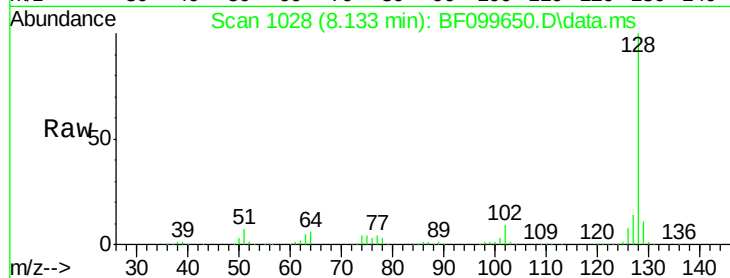
Tot Ion:128 Resp: 1397277

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.8 10.9 16.3



#33

4-Chloroaniline

Concen: 28.53 ng

RT: 8.133 min Scan# 1028

Delta R.T. -0.088 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Tgt Ion:127 Resp: 189812

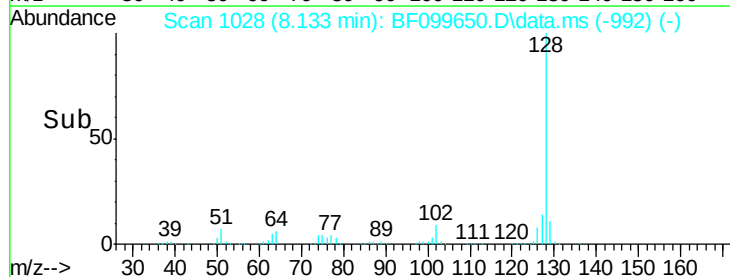
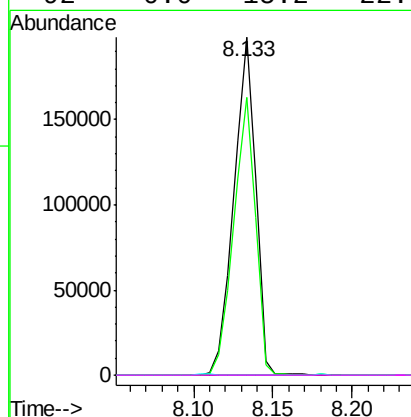
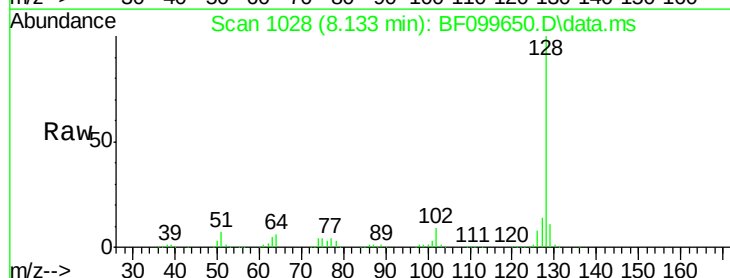
Ion Ratio Lower Upper

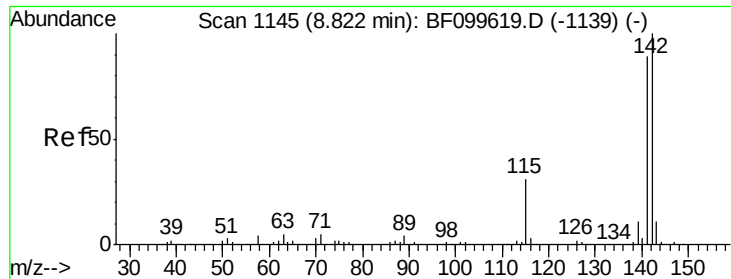
127 100

129 82.1 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

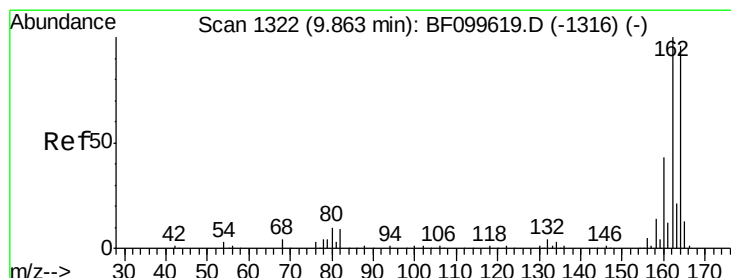
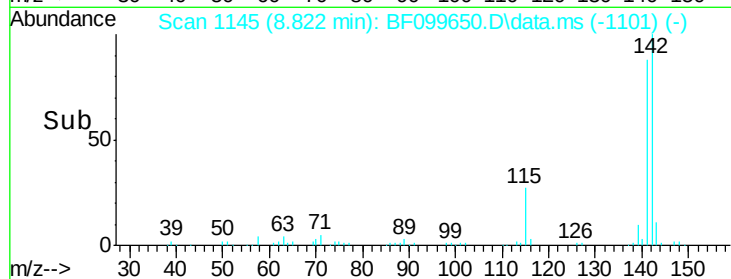
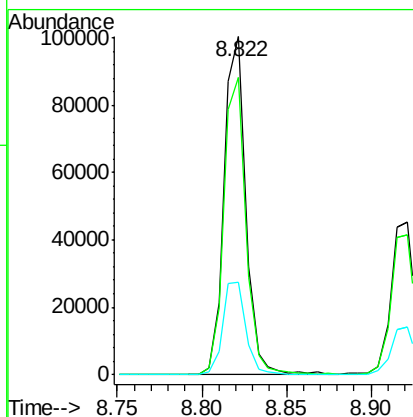
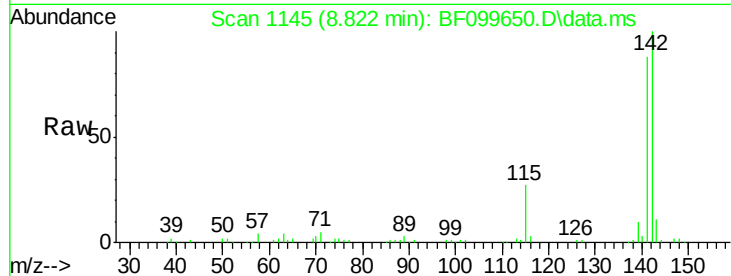




#37
 2-Methylnaphthalene
 Concen: 8.67 ng
 RT: 8.822 min Scan# 1145
 Delta R.T. -0.041 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

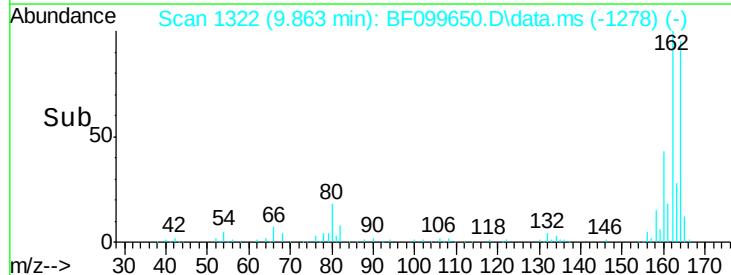
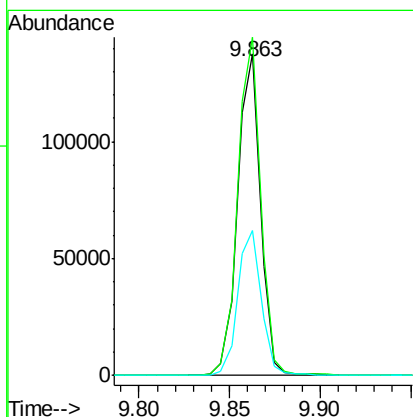
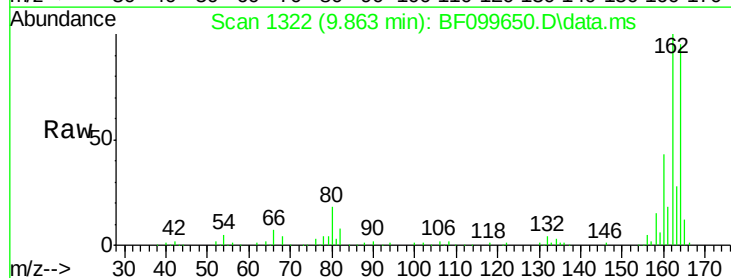
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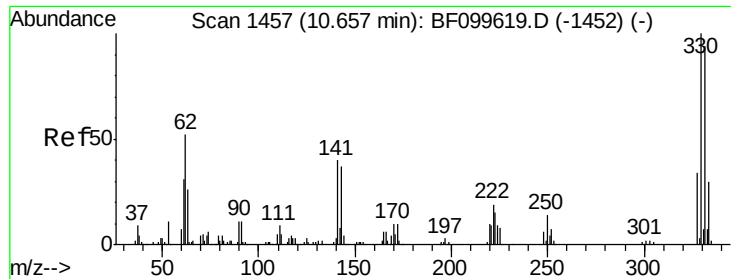
Tot Ion:142 Resp: 89766
 Ion Ratio Lower Upper
 142 100
 141 87.8 70.8 106.2
 115 27.3 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.863 min Scan# 1322
 Delta R.T. -0.041 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Tgt Ion:164 Resp: 120830
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 44.9 38.3 57.5

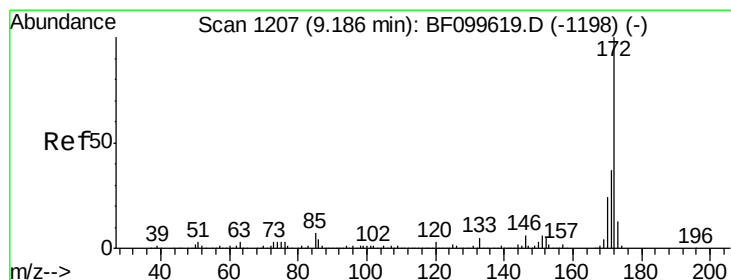
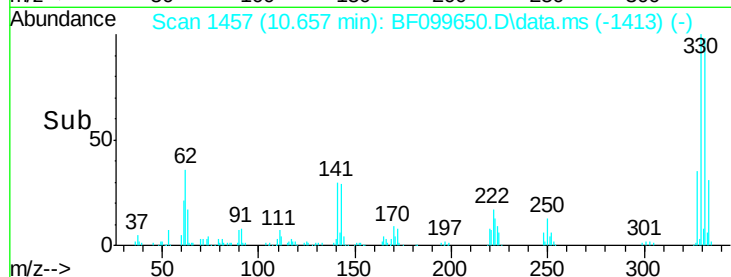
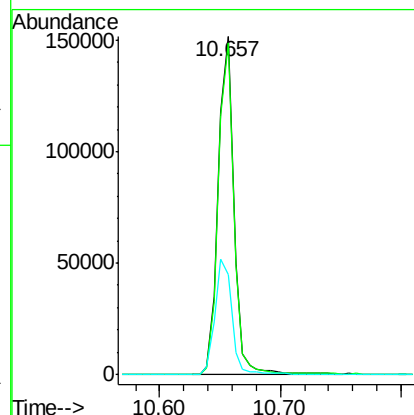
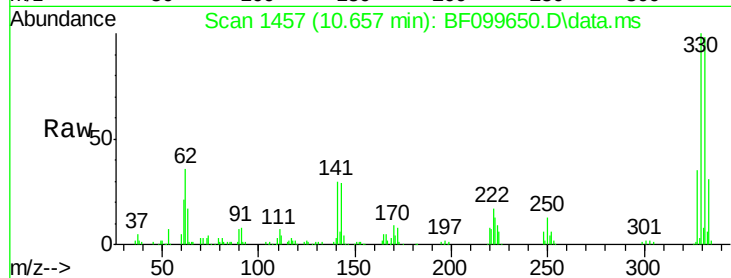




#41
 2,4,6-Tribromophenol
 Concen: 136.36 ng
 RT: 10.657 min Scan# 1457
 Delta R.T. -0.041 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

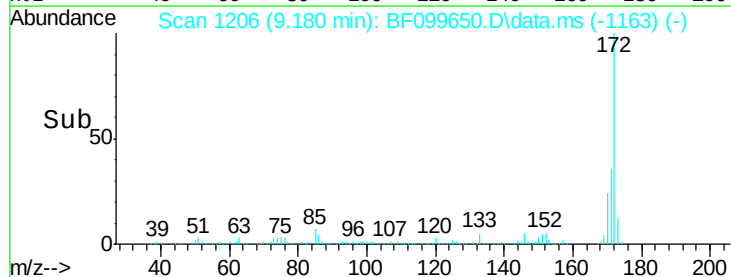
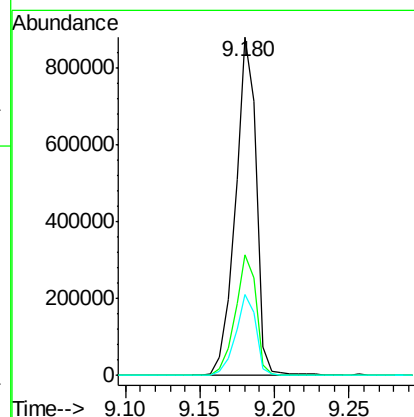
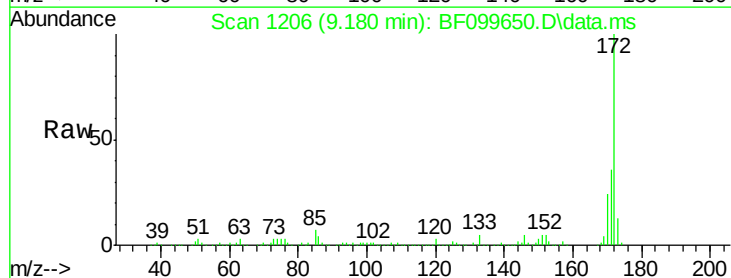
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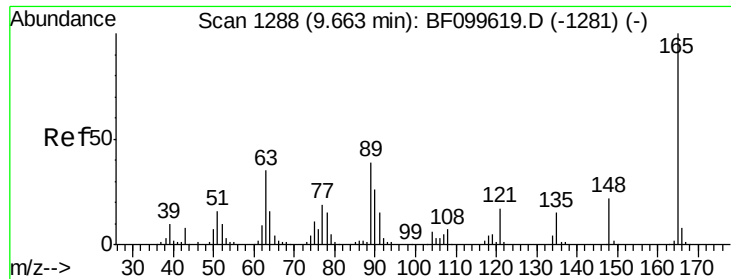
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	36.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 119.59 ng
 RT: 9.180 min Scan# 1206
 Delta R.T. -0.047 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.7	19.6	29.4

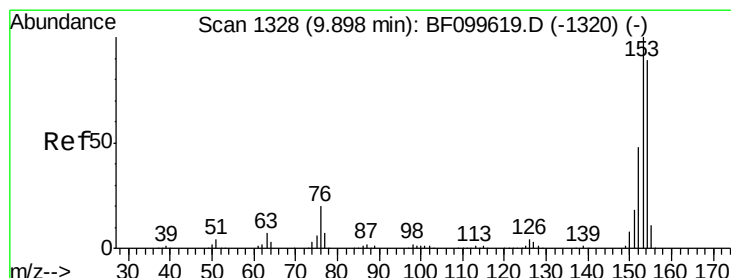
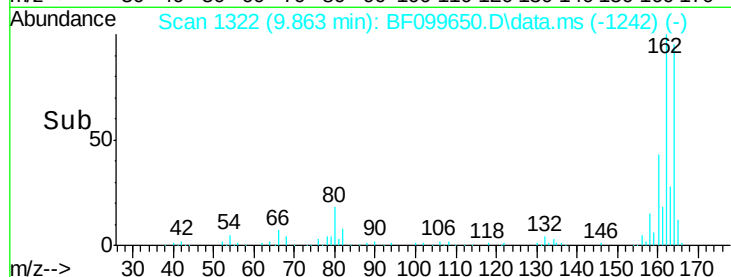
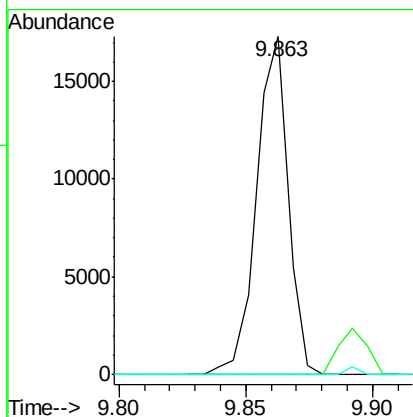
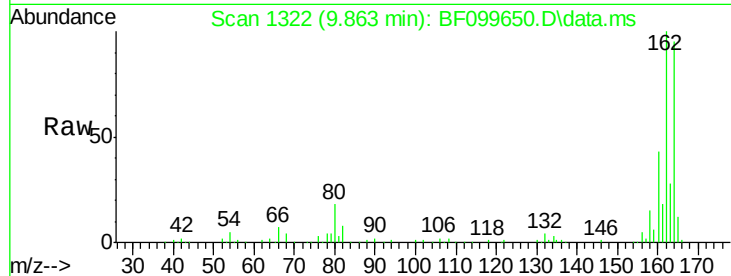




#50
 2,6-Dinitrotoluene
 Concen: 7.62 ng
 RT: 9.863 min Scan# 131
 Delta R.T. 0.171 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

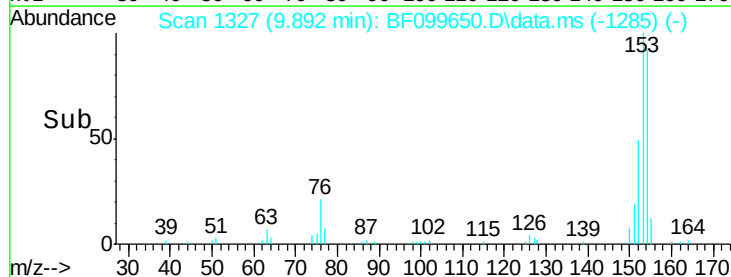
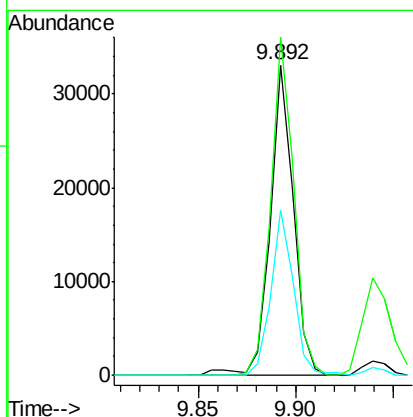
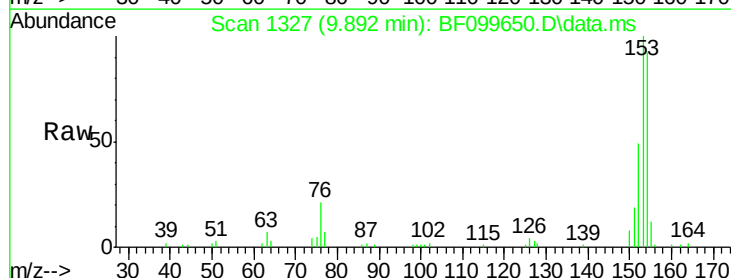
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-2-COMP

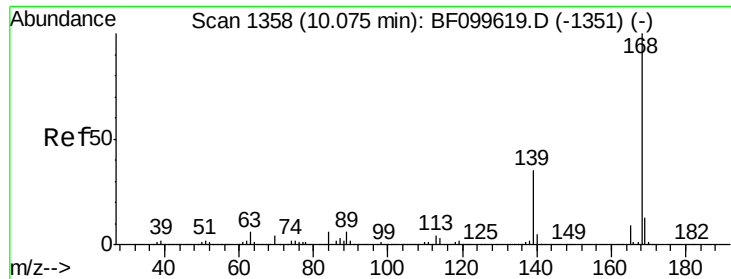
Tot Ion:165 Resp: 15138
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#51
 Acenaphthene
 Concen: 3.61 ng
 RT: 9.892 min Scan# 1327
 Delta R.T. -0.053 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Tgt Ion:154 Resp: 27261
 Ion Ratio Lower Upper
 154 100
 153 109.0 91.2 136.8
 152 53.4 43.8 65.8





#54

Dibenzofuran

Concen: 4.45 ng

RT: 10.069 min Scan# 1357

Delta R.T. -0.047 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

TP-1-2-COMP

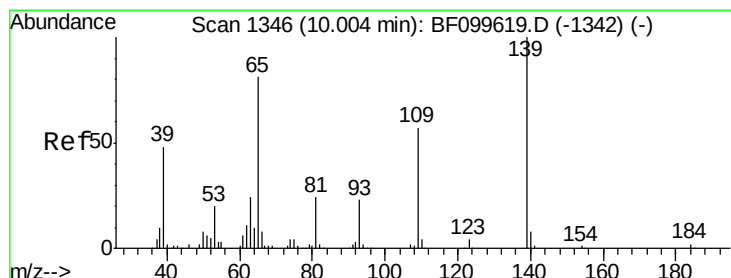
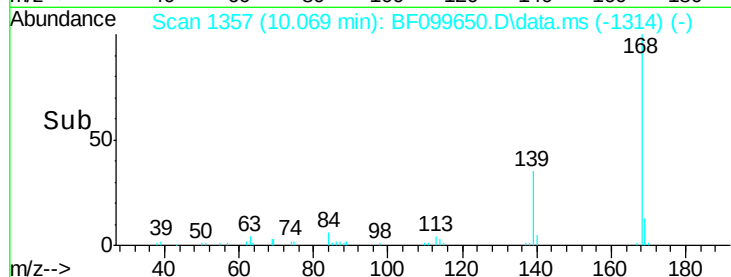
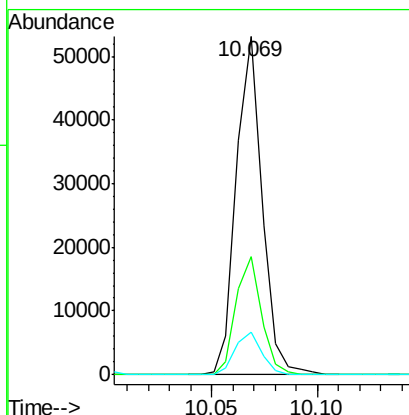
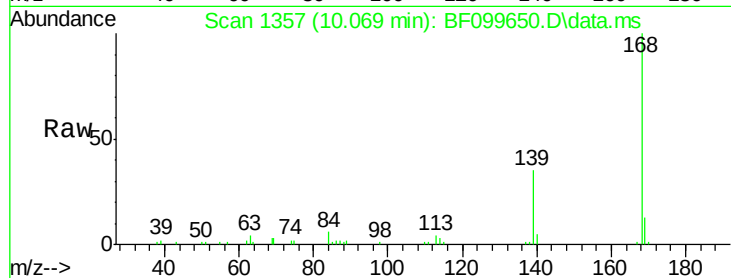
Tot Ion:168 Resp: 44837

Ion Ratio Lower Upper

168 100

139 34.9 30.1 45.1

169 12.7 10.9 16.3



#55

4-Nitrophenol

Concen: 7.85 ng

RT: 10.069 min Scan# 1357

Delta R.T. 0.047 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

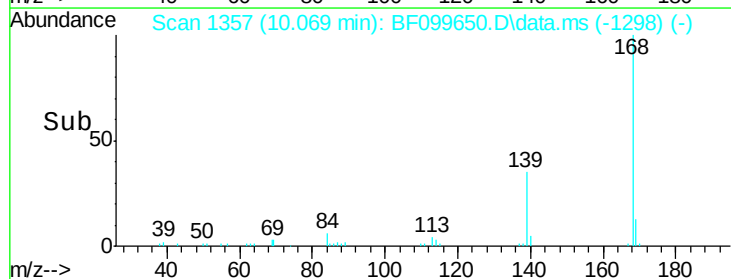
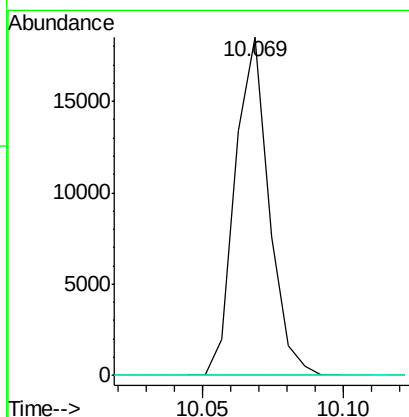
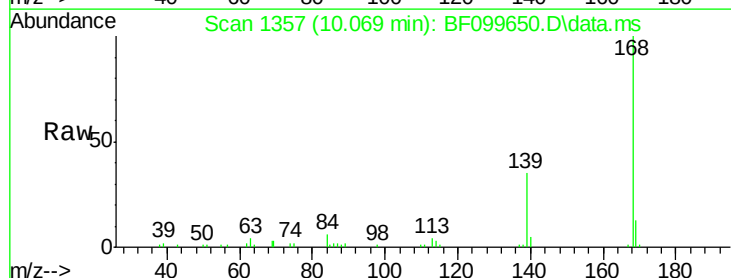
Tgt Ion:139 Resp: 15366

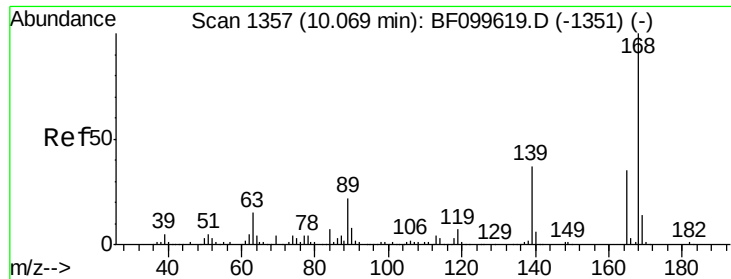
Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#

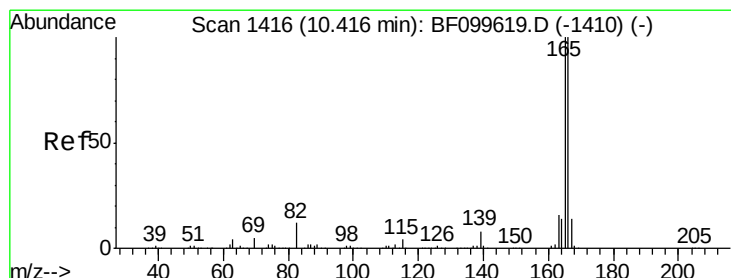
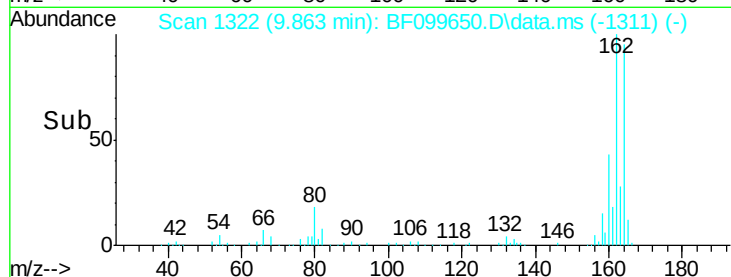
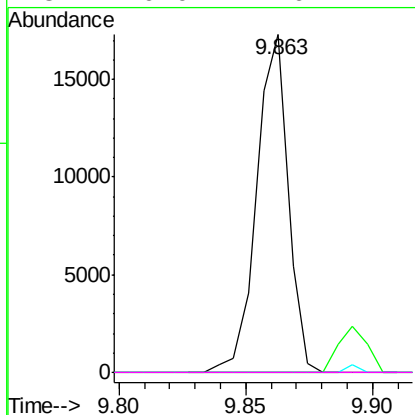
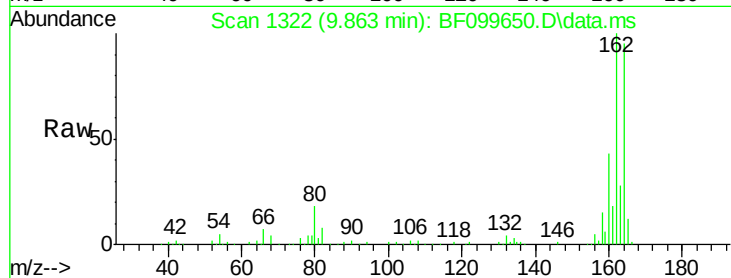




#56
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 9.863 min Scan# 1357
Delta R.T. -0.235 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

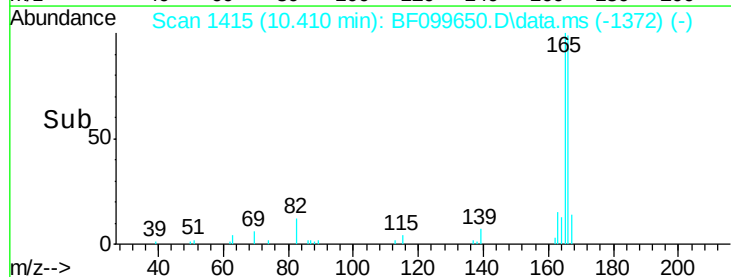
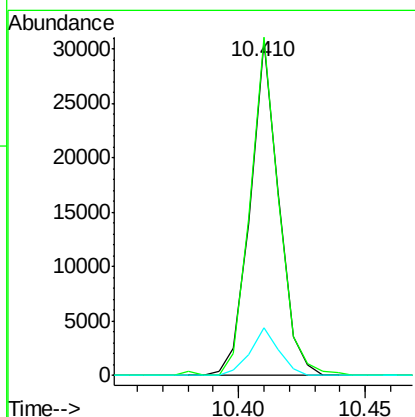
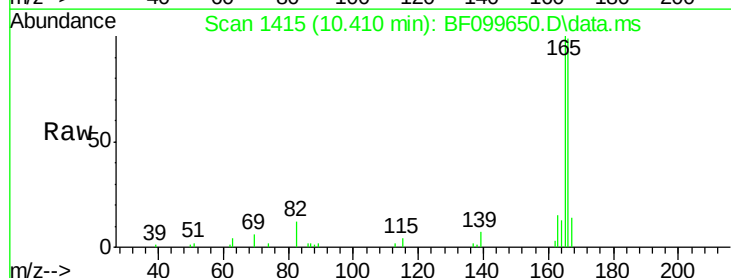
Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

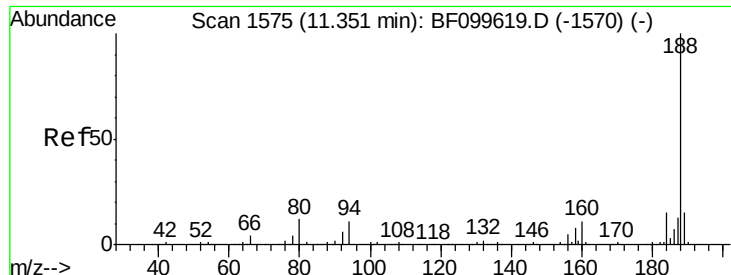
Tot Ion:	165	Resp:	15138
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 3.00 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.047 min
Lab File: BF099650.D
Acq: 19 Oct 2017 7:21

Tgt Ion:	166	Resp:	24270
Ion Ratio	Lower	Upper	
166	100		
165	101.1	79.8	119.8
167	14.1	10.6	16.0

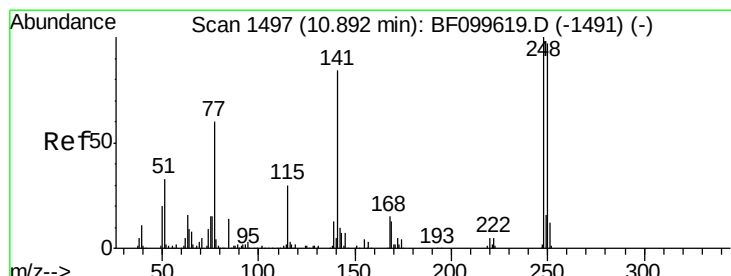
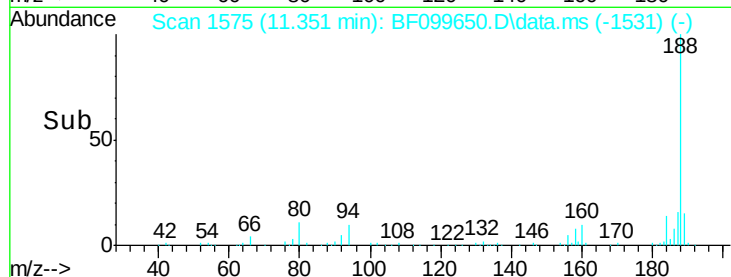
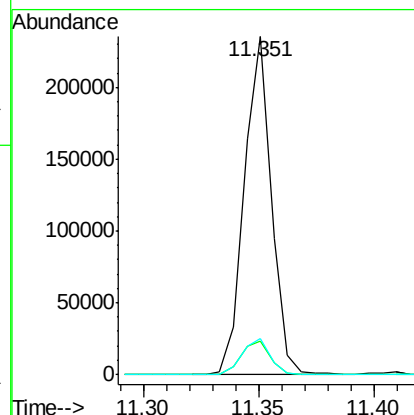
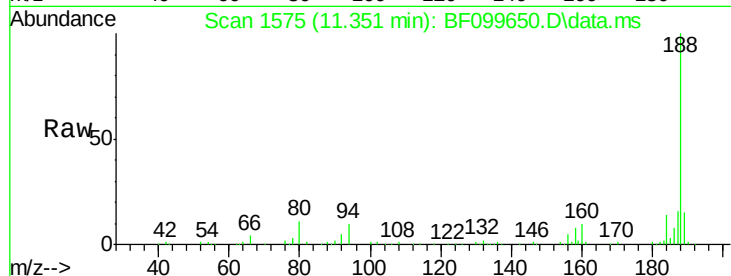




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.351 min Scan# 1575
 Delta R.T. -0.041 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

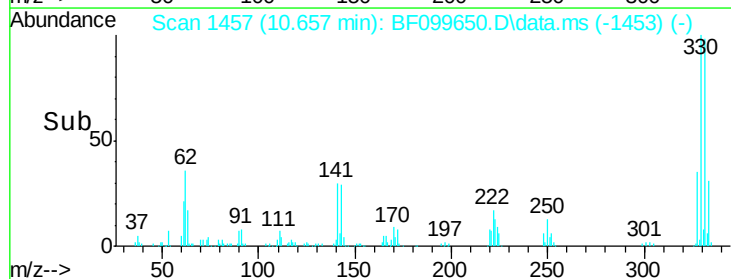
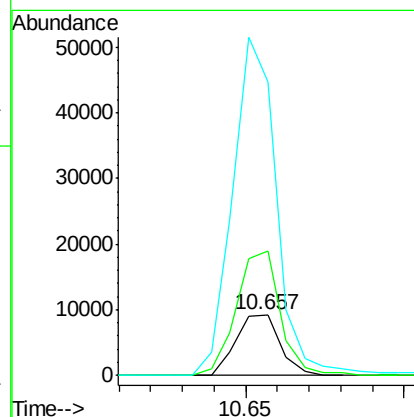
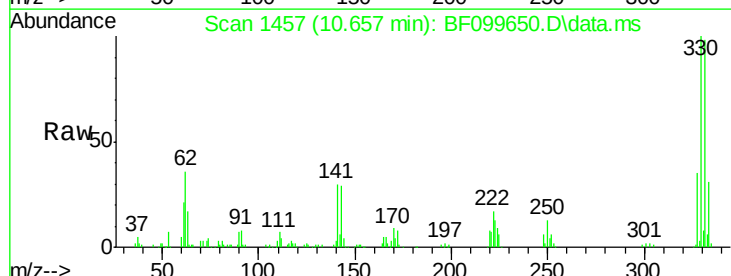
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-2-COMP

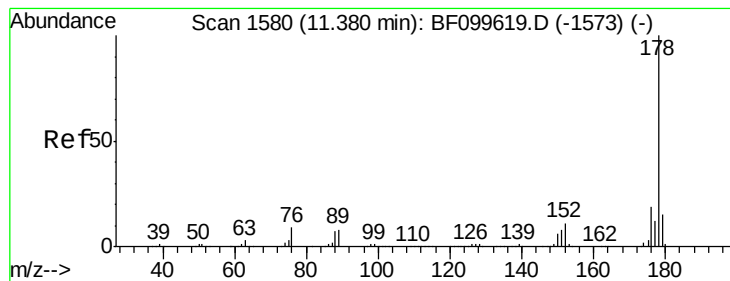
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.6	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.67 ng
 RT: 10.657 min Scan# 1457
 Delta R.T. -0.276 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Tgt Ion	Ratio	Lower	Upper
248	100		
250	205.7	76.9	115.3#
141	483.7	74.4	111.6#





#70

Phenanthrene

Concen: 3.15 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.047 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

TP-1-2-COMP

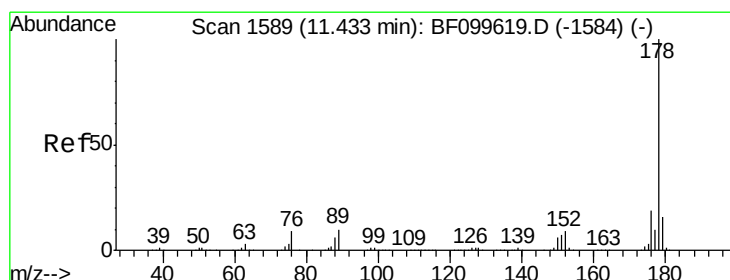
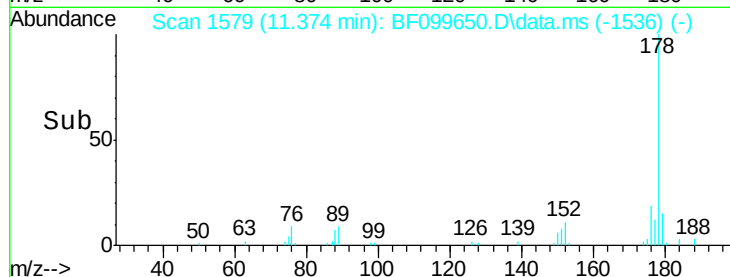
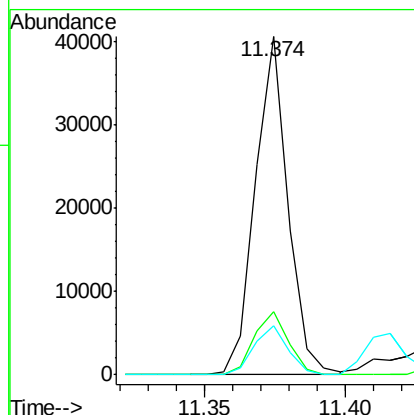
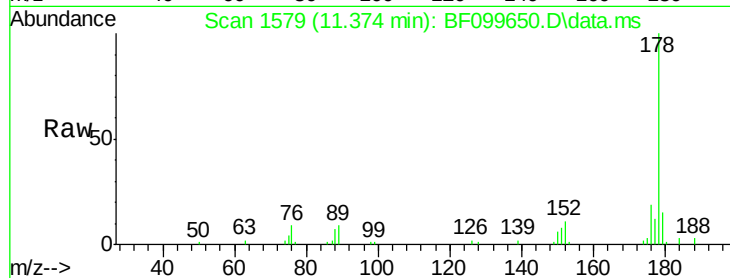
Tot Ion:178 Resp: 32585

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

179 14.5 13.0 19.6



#71

Anthracene

Concen: 3.08 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.094 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

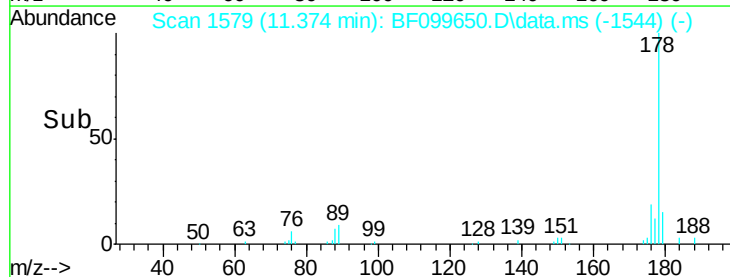
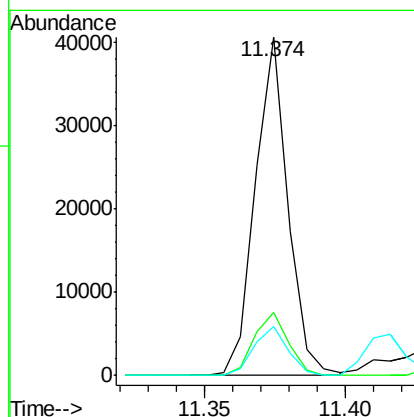
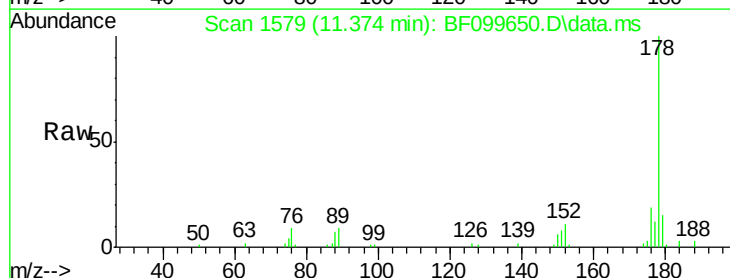
Tgt Ion:178 Resp: 32585

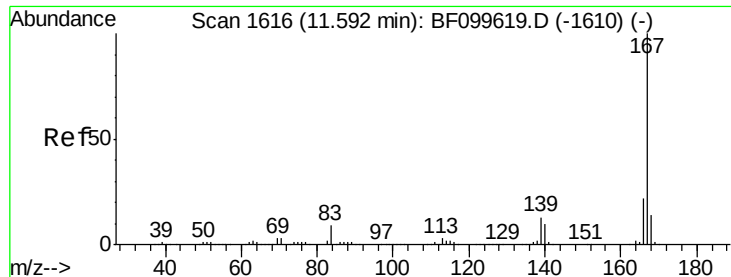
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 14.5 12.6 19.0

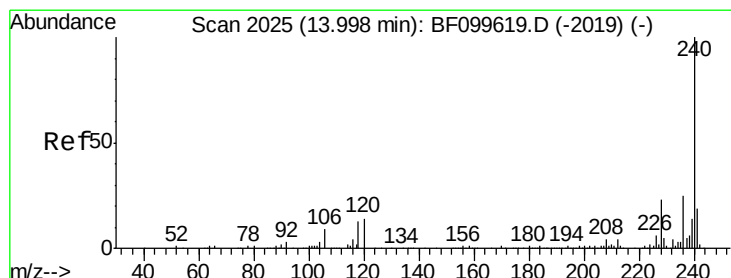
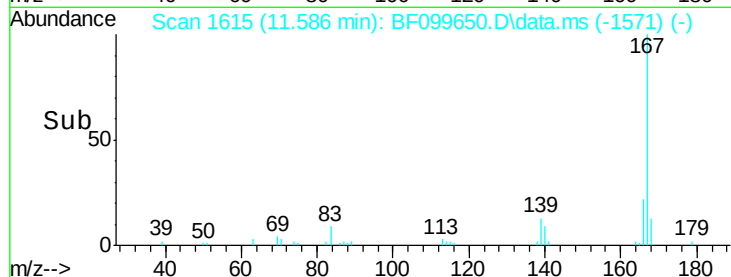
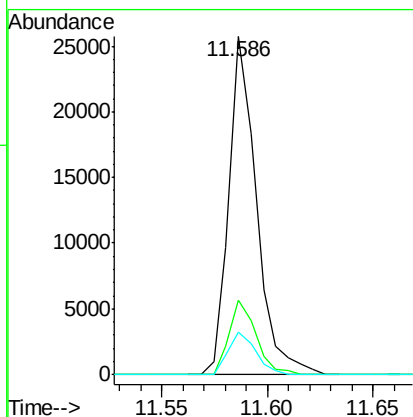
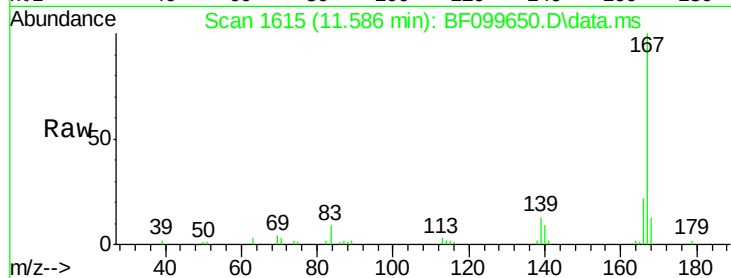




#72
 Carbazole
 Concen: 2.24 ng
 RT: 11.586 min Scan# 1616
 Delta R.T. -0.041 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

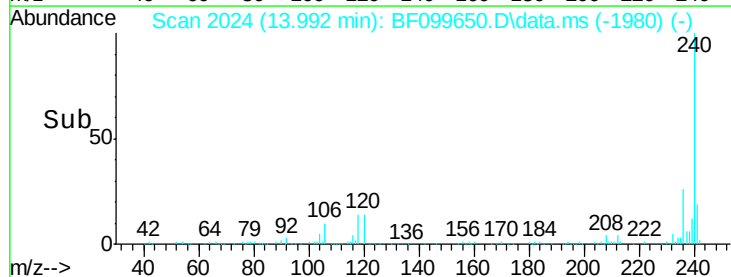
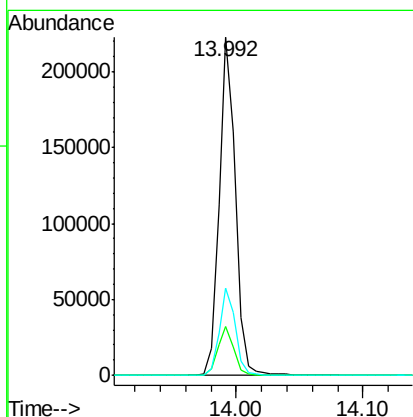
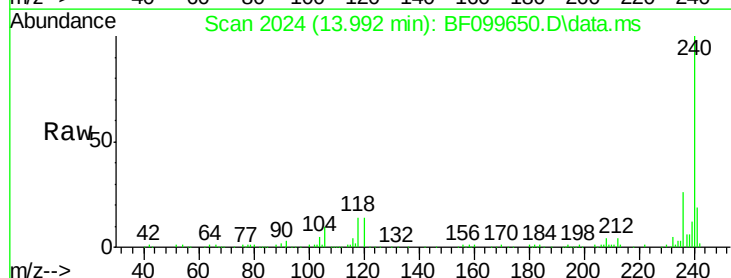
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-2-COMP

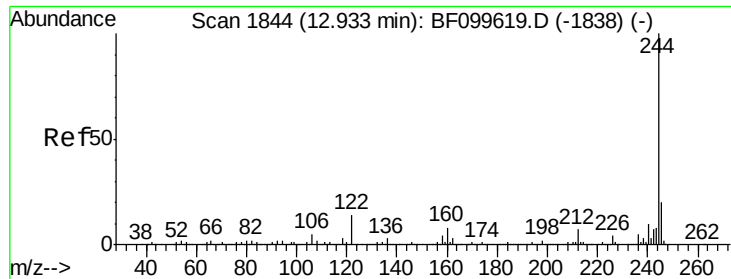
Tot Ion:167 Resp: 23236
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.6 26.4
 139 12.7 10.9 16.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.041 min
 Lab File: BF099650.D
 Acq: 19 Oct 2017 7:21

Tgt Ion:240 Resp: 200336
 Ion Ratio Lower Upper
 240 100
 120 14.3 9.5 14.3#
 236 25.7 20.7 31.1





#78

Terphenyl-d14

Concen: 78.17 ng

RT: 12.933 min Scan# 18

Delta R.T. -0.041 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Instrument :

BNA_F

ClientSampleId :

TP-1-2-COMP

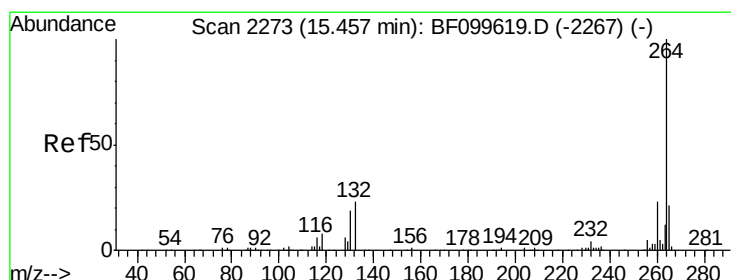
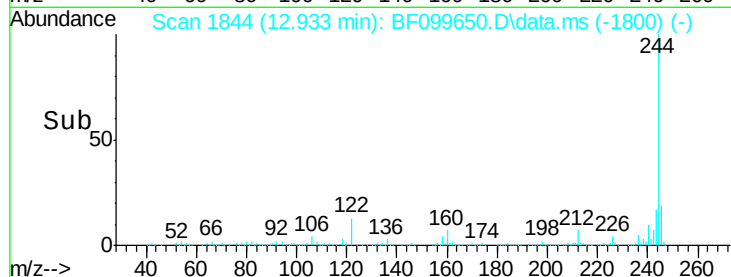
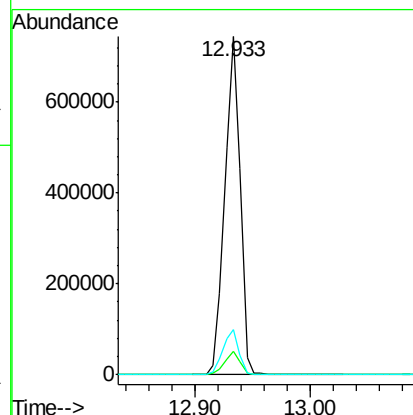
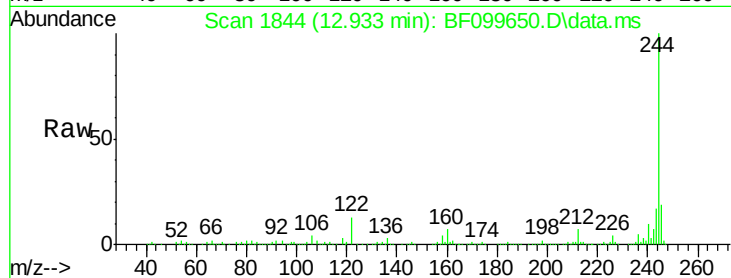
Tot Ion:244 Resp: 688627

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 13.4 11.0 16.4



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.047 min

Lab File: BF099650.D

Acq: 19 Oct 2017 7:21

Tgt Ion:264 Resp: 155397

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 22.1 17.5 26.3

