

Data Path : Z:\HPCHEM1\BNA F\Data\BF101817\
 Data File : BF099649.D
 Acq On : 19 Oct 2017 6:54
 Operator : SJ/JU
 Sample : I5929-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP

Quant Time: Oct 19 10:24:06 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

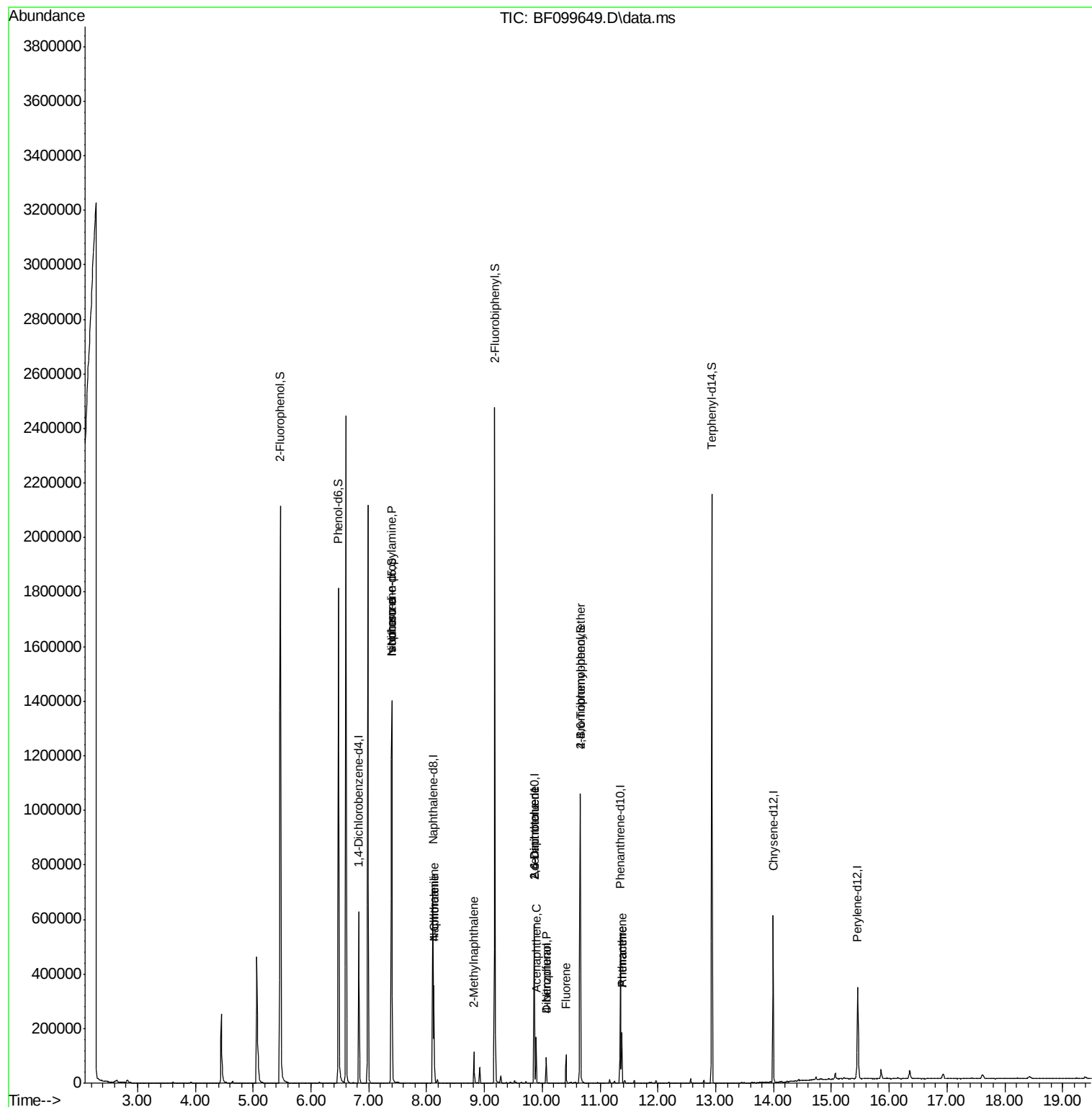
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.828	152	90709	20.00	ng	-0.04
21) Naphthalene-d8	8.110	136	322064	20.00	ng	-0.04
38) Acenaphthene-d10	9.863	164	115011	20.00	ng	-0.04
63) Phenanthrene-d10	11.351	188	187289	20.00	ng	-0.04
75) Chrysene-d12	13.992	240	191757	20.00	ng	-0.04
86) Perylene-d12	15.457	264	147630	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	722616	126.82	ng	-0.01
7) Phenol-d6	6.475	99	769062	109.41	ng	-0.02
23) Nitrobenzene-d5	7.398	82	493775	98.32	ng	-0.04
41) 2,4,6-Tribromophenol	10.657	330	132743	141.05	ng	-0.04
44) 2-Fluorobiphenyl	9.180	172	832571	120.85	ng	-0.05
78) Terphenyl-d14	12.933	244	664733	78.84	ng	-0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	61567	13.72	ng	# 73
25) Isophorone	7.398	82	493767	47.55	ng	# 64
31) Naphthalene	8.128	128	157084	10.38	ng	99
33) 4-Chloroaniline	8.128	127	20565	3.26	ng	# 33
37) 2-Methylnaphthalene	8.822	142	31880	3.24	ng	97
50) 2,6-Dinitrotoluene	9.863	165	15300	8.10	ng	# 24
51) Acenaphthene	9.892	154	34937	4.85	ng	96
54) Dibenzofuran	10.069	168	39791	4.15	ng	95
55) 4-Nitrophenol	10.069	139	13318	7.15	ng	# 9
56) 2,4-Dinitrotoluene	9.863	165	15300	6.24	ng	# 21
57) Fluorene	10.410	166	28935	3.76	ng	99
66) 4-Bromophenyl-phenylether	10.657	248	8918	4.86	ng	# 1
70) Phenanthrene	11.374	178	69849	6.97	ng	97
71) Anthracene	11.374	178	69849	6.81	ng	98

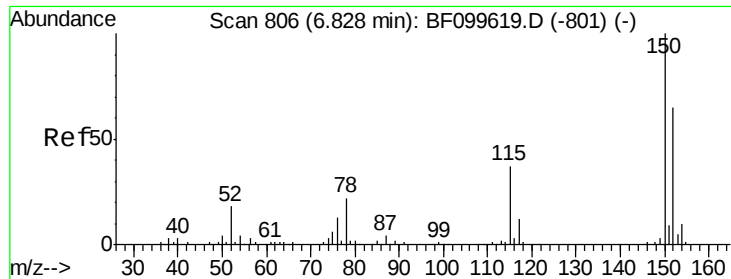
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP

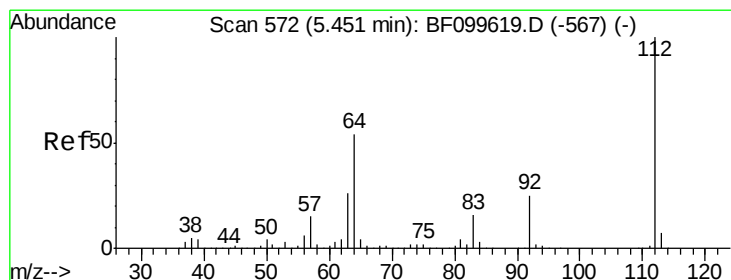
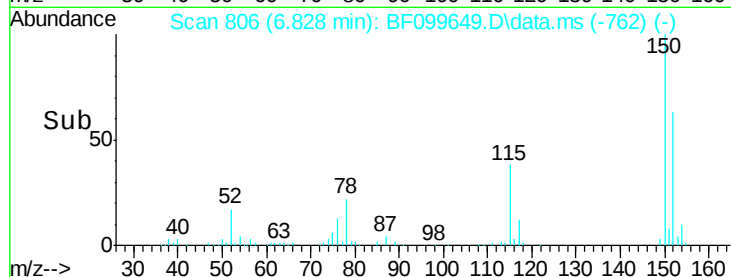
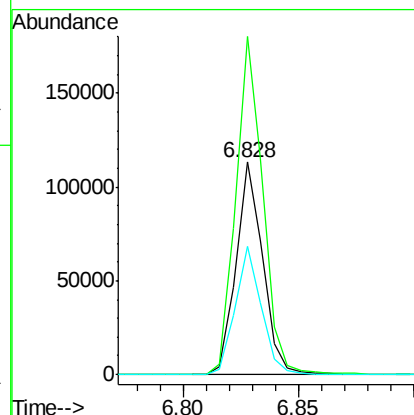
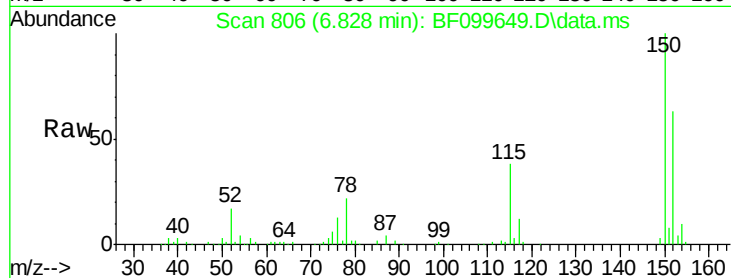
Tot Ion:152 Resp: 90709

Ion Ratio Lower Upper

152 100

150 159.4 124.6 186.8

115 60.5 50.1 75.1



#5

2-Fluorophenol

Concen: 126.82 ng

RT: 5.469 min Scan# 575

Delta R.T. -0.012 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

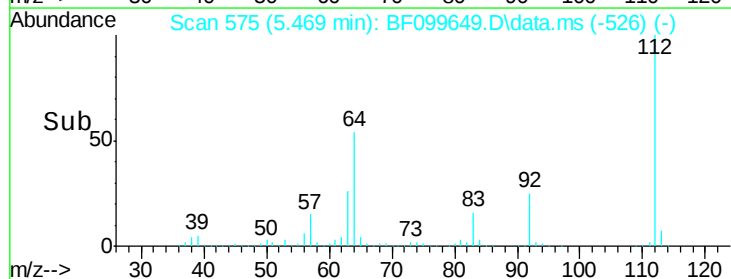
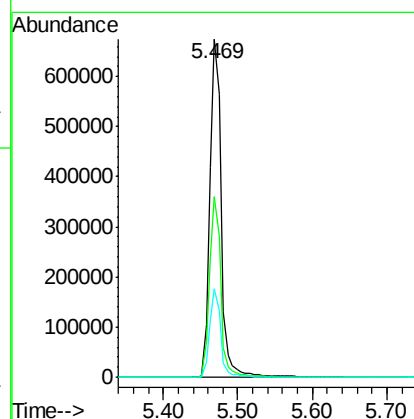
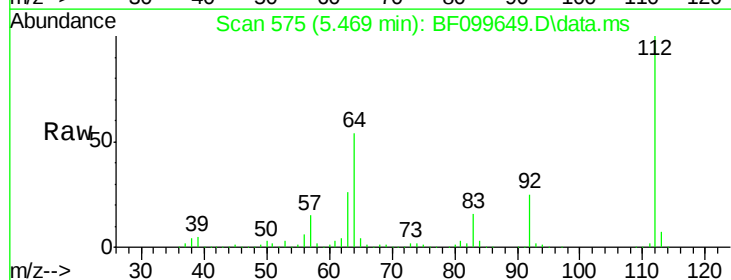
Tgt Ion:112 Resp: 722616

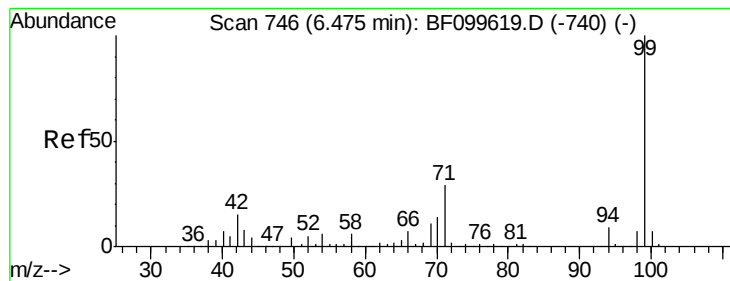
Ion Ratio Lower Upper

112 100

64 53.6 47.9 71.9

63 26.1 23.7 35.5





#7

Phenol-d6

Concen: 109.41 ng

RT: 6.475 min Scan# 74

Delta R.T. -0.024 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP

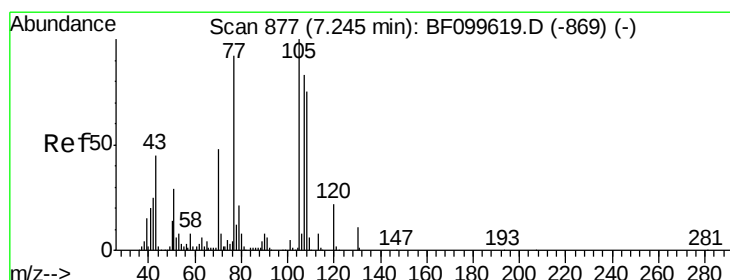
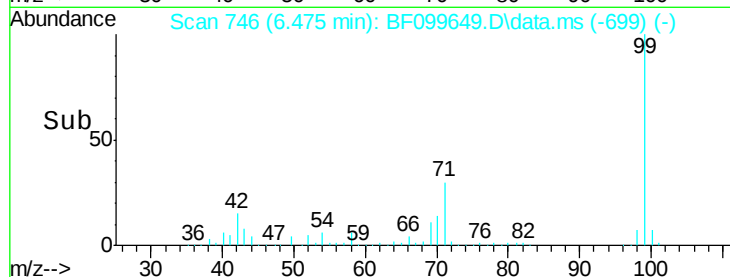
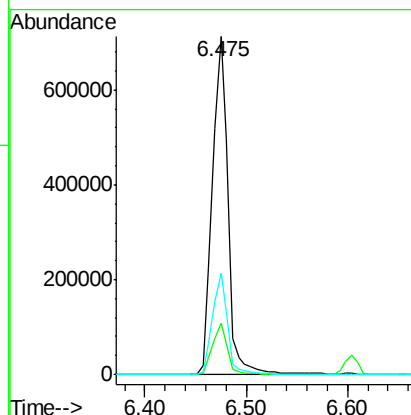
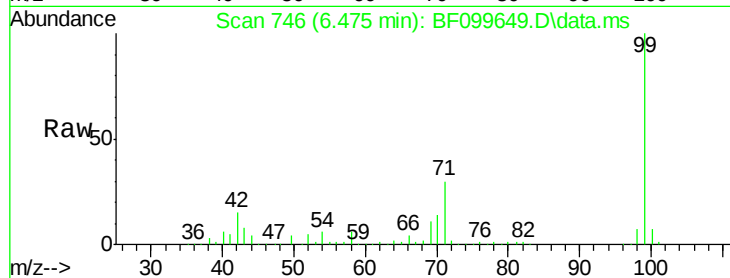
Tot Ion: 99 Resp: 769062

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

71 30.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.72 ng

RT: 7.398 min Scan# 903

Delta R.T. 0.112 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Tgt Ion: 70 Resp: 61567

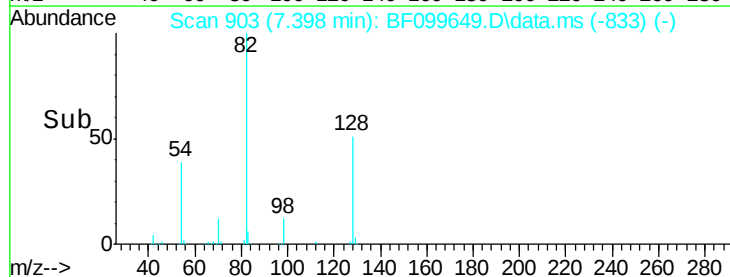
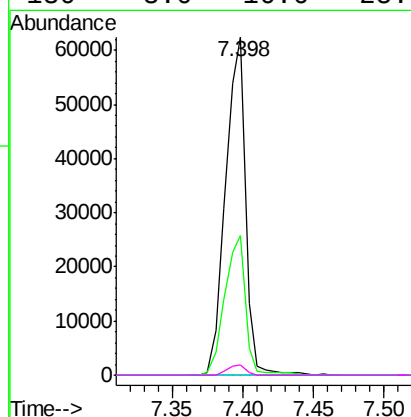
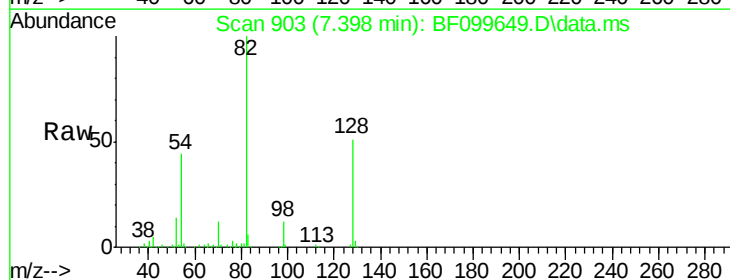
Ion Ratio Lower Upper

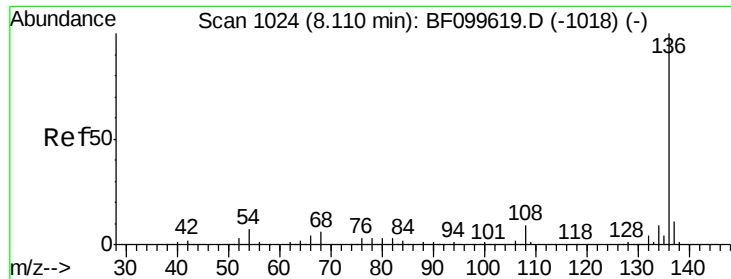
70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 3.0 16.6 25.0#

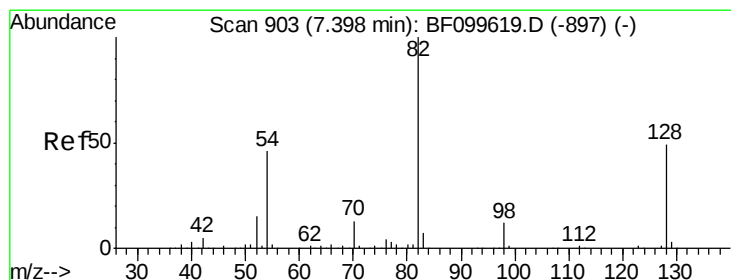
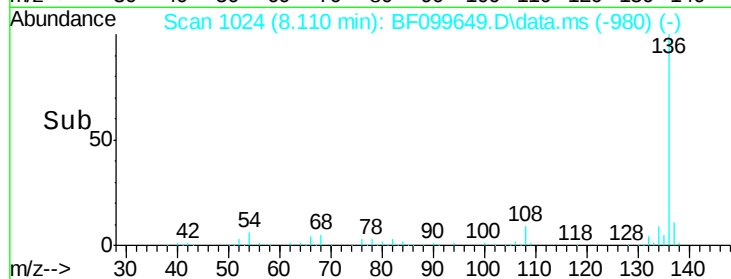
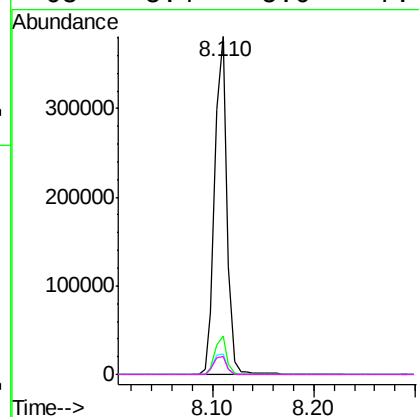
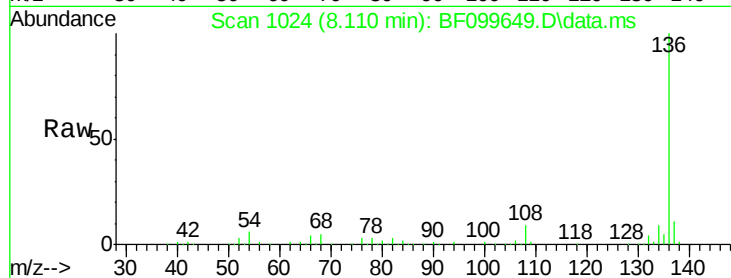




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.110 min Scan# 10
Delta R.T. -0.041 min
Lab File: BF099649.D
Acq: 19 Oct 2017 6:54

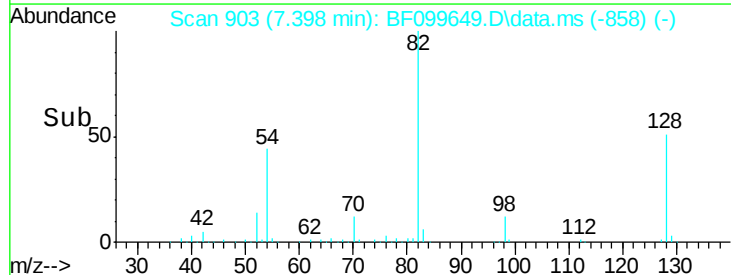
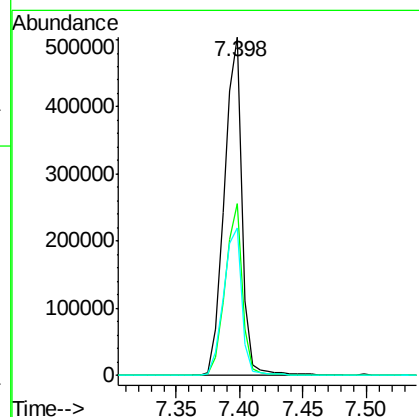
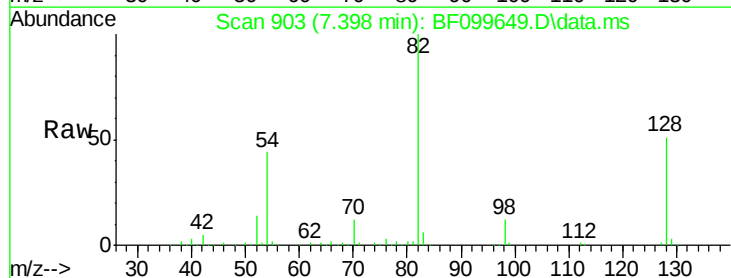
Instrument :
BNA_F
ClientSampleId :
TP-2-COMP

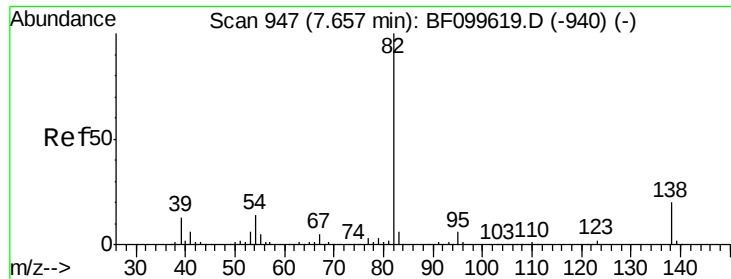
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.3	6.6	9.8#
68	5.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 98.32 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.035 min
Lab File: BF099649.D
Acq: 19 Oct 2017 6:54

Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.8	36.1	54.1
54	43.7	41.4	62.2





#25

Isophorone

Concen: 47.55 ng

RT: 7.398 min Scan# 90

Delta R.T. -0.294 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP

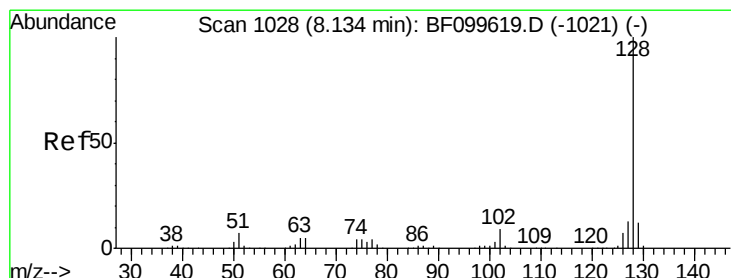
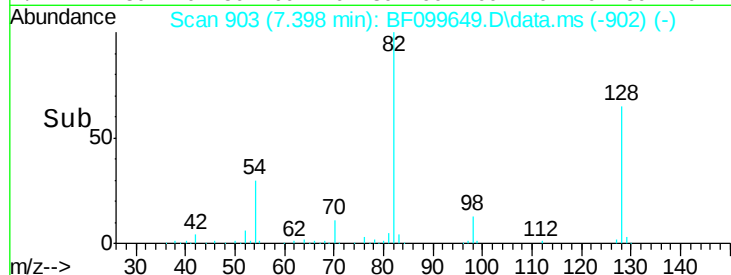
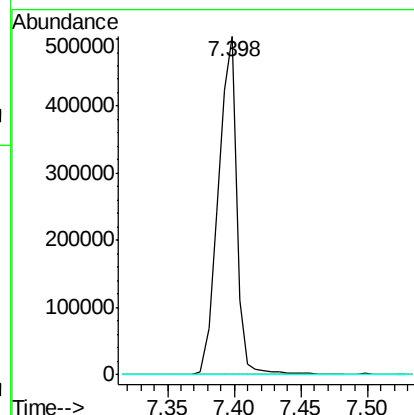
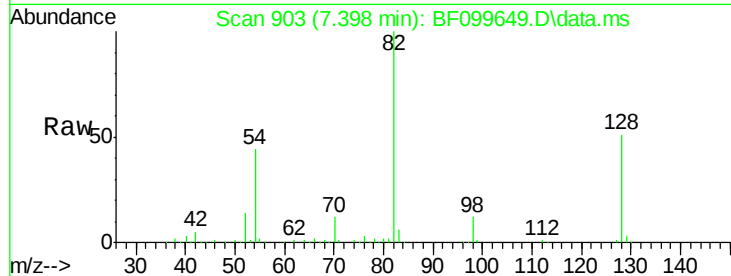
Tot Ion: 82 Resp: 493767

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 10.38 ng

RT: 8.128 min Scan# 1027

Delta R.T. -0.047 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

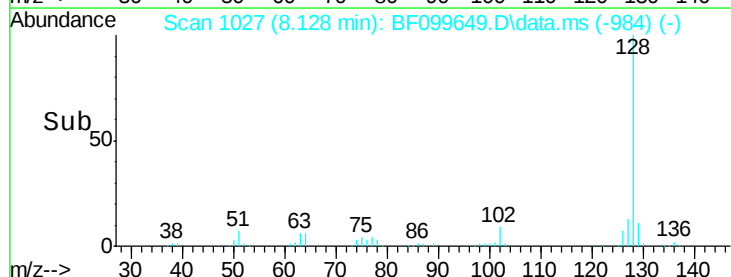
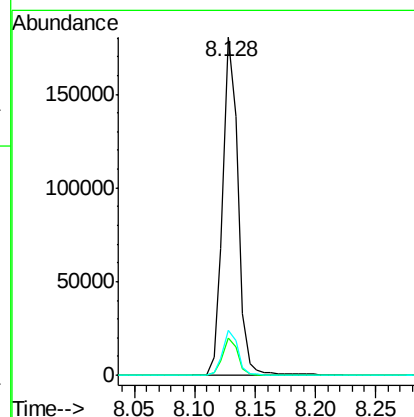
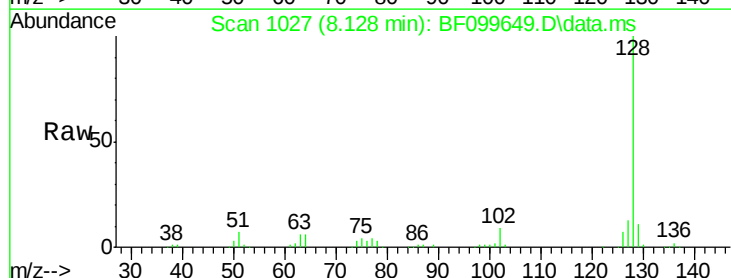
Tgt Ion: 128 Resp: 157084

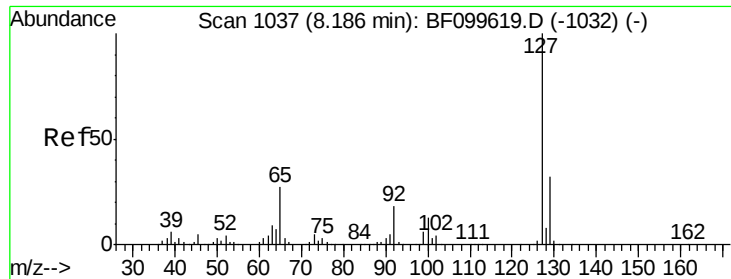
Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.3 10.9 16.3

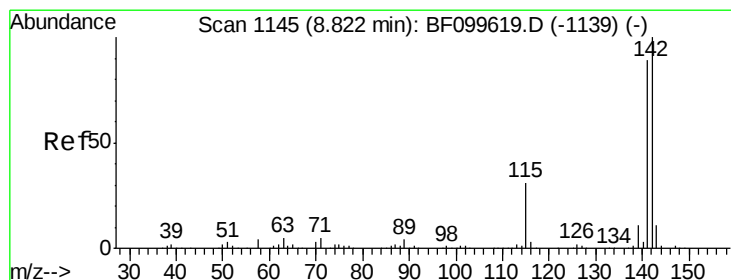
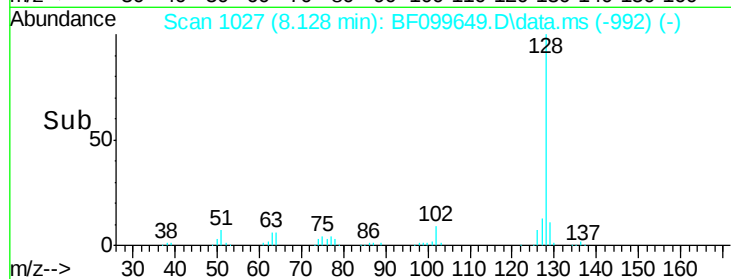
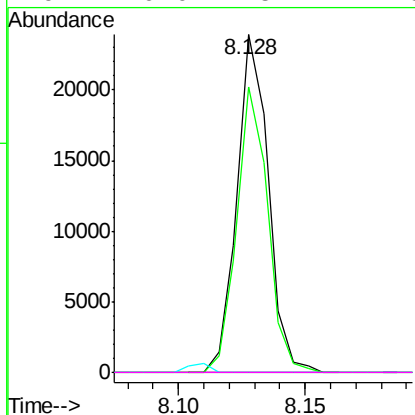
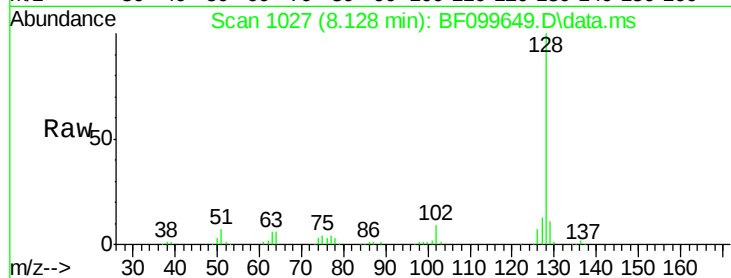




#33
4-Chloroaniline
Concen: 3.26 ng
RT: 8.128 min Scan# 1037
Delta R.T. -0.094 min
Lab File: BF099649.D
Acq: 19 Oct 2017 6:54

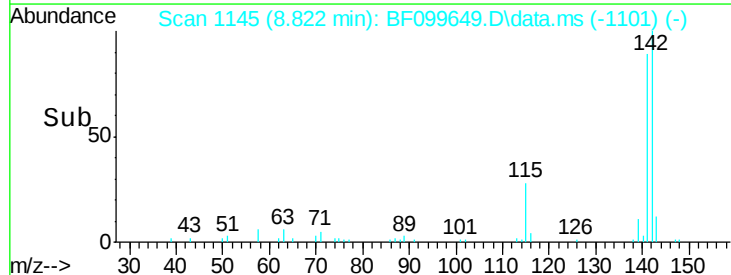
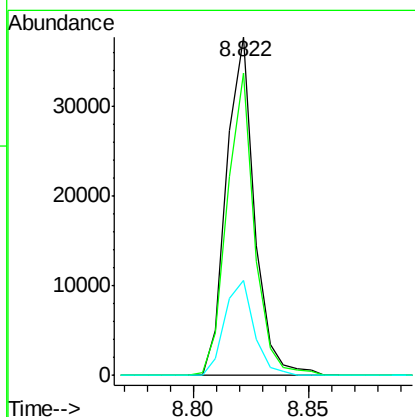
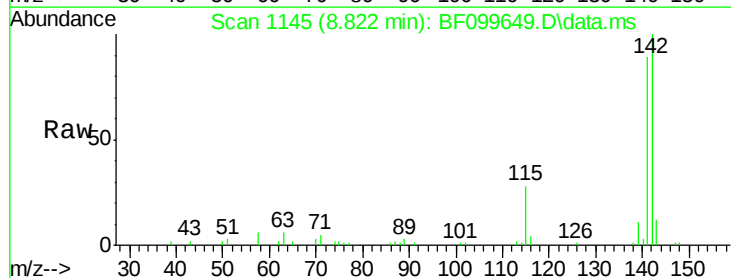
Instrument :
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TP-2-COMP

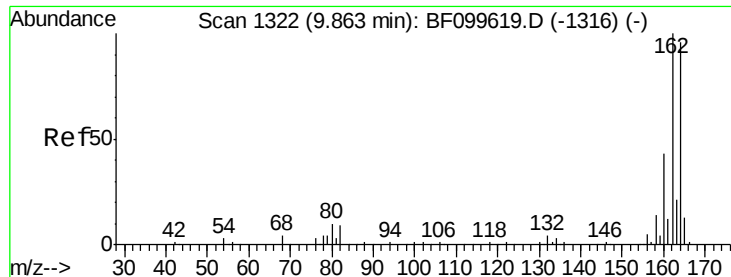
Tot Ion:	127	Resp:	20565
Ion Ratio	Lower	Upper	
127	100		
129	84.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 3.24 ng
RT: 8.822 min Scan# 1145
Delta R.T. -0.041 min
Lab File: BF099649.D
Acq: 19 Oct 2017 6:54

Tgt Ion:	142	Resp:	31880
Ion Ratio	Lower	Upper	
142	100		
141	89.5	70.8	106.2
115	28.2	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: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP

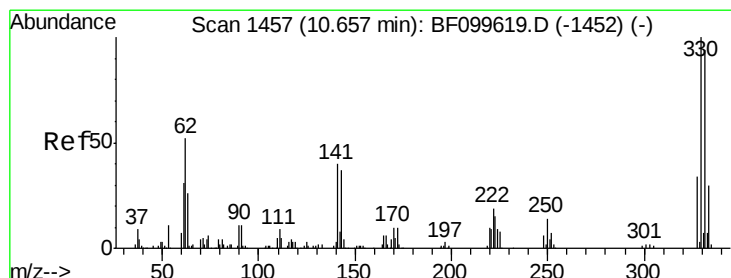
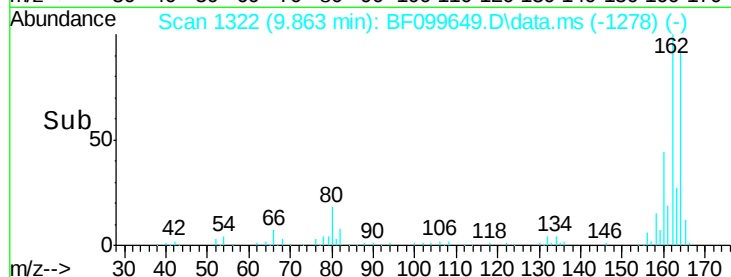
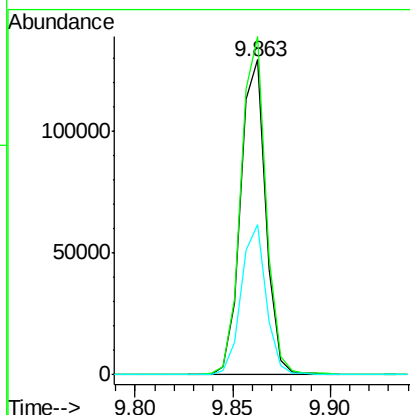
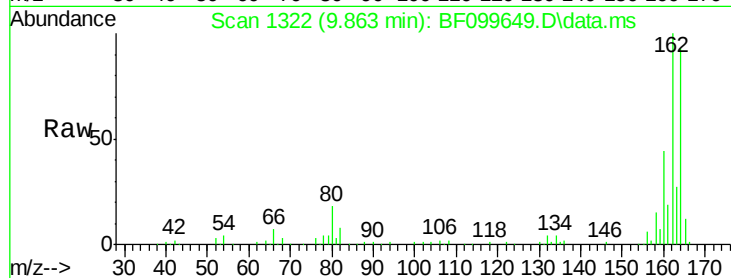
Tot Ion:164 Resp: 115011

Ion Ratio Lower Upper

164 100

162 107.4 86.1 129.1

160 47.7 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 141.05 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.041 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

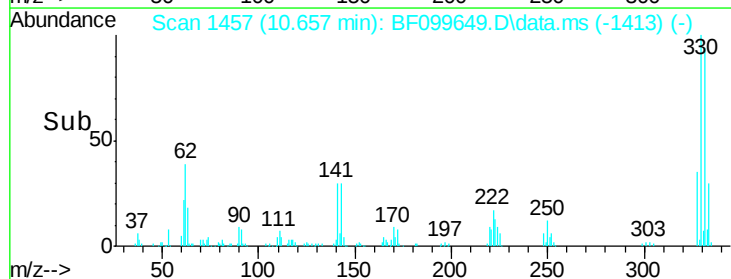
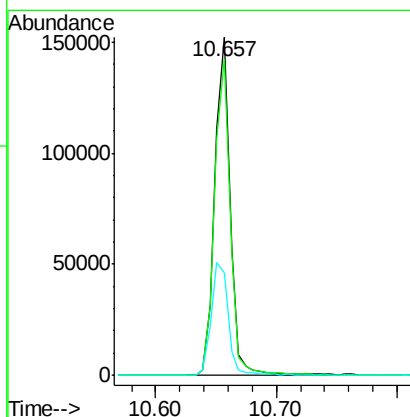
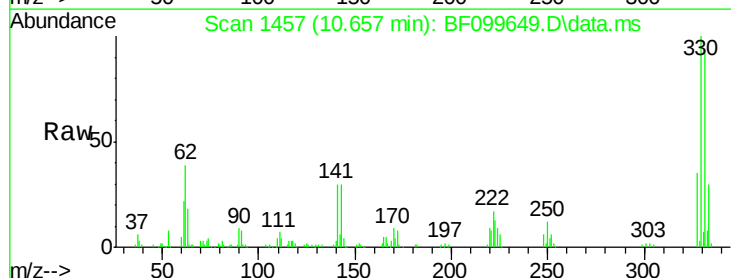
Tgt Ion:330 Resp: 132743

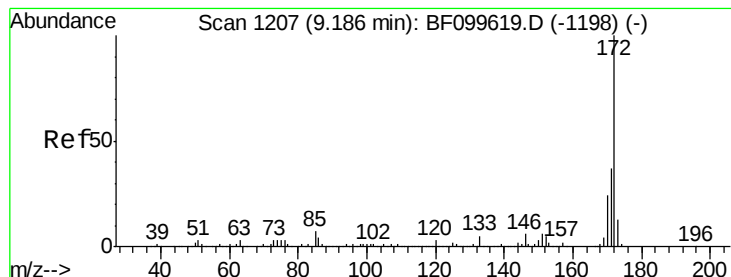
Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 36.9 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 120.85 ng

RT: 9.180 min Scan# 12

Delta R.T. -0.047 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

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ClientSampleId :

TP-2-COMP

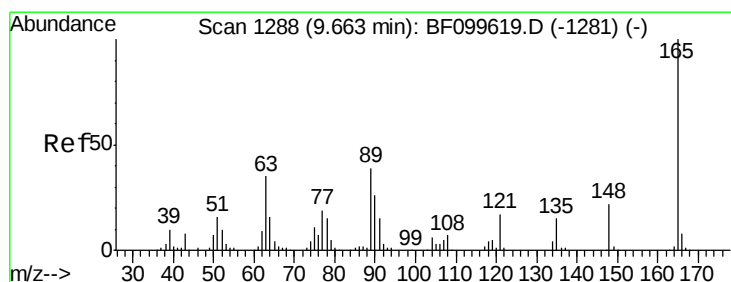
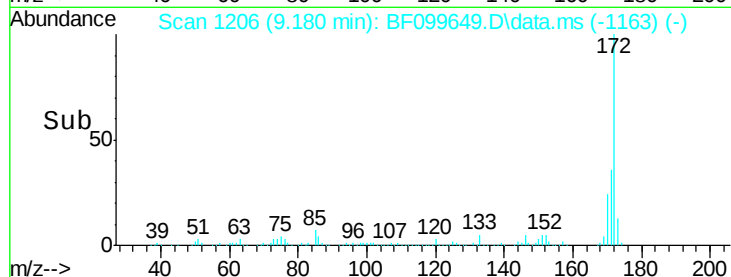
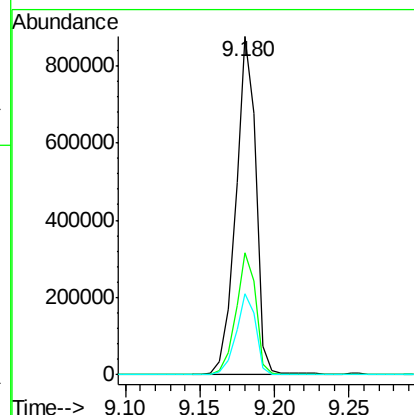
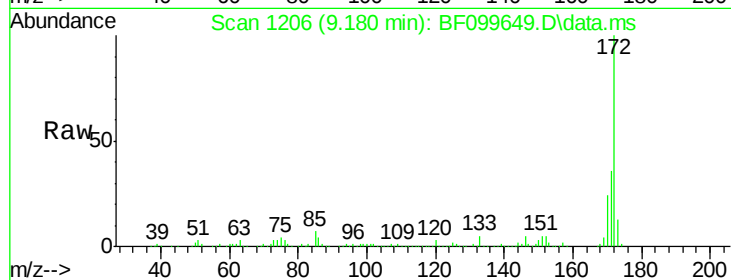
Tot Ion:172 Resp: 832571

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

170 23.9 19.6 29.4



#50

2,6-Dinitrotoluene

Concen: 8.10 ng

RT: 9.863 min Scan# 1322

Delta R.T. 0.171 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

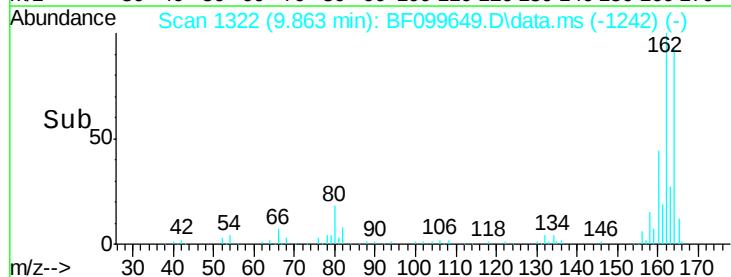
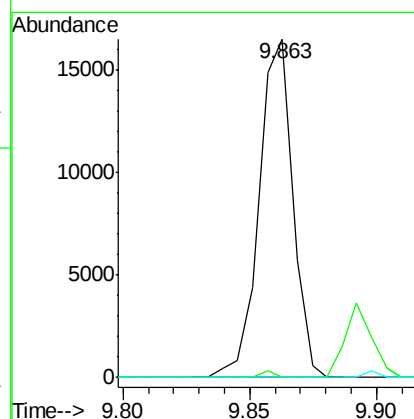
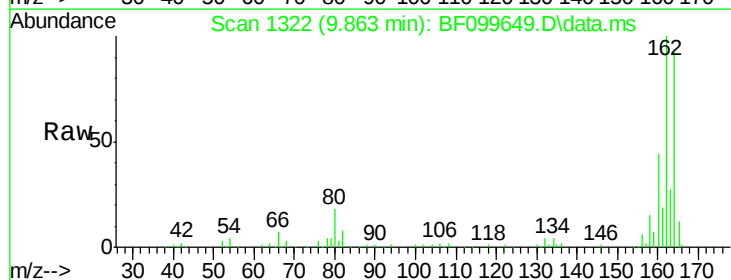
Tgt Ion:165 Resp: 15300

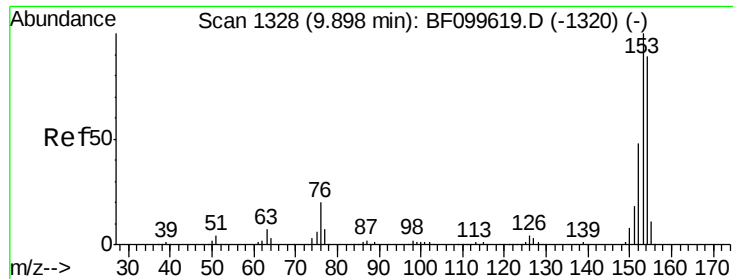
Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

89 0.0 44.0 66.0#





#51

Acenaphthene

Concen: 4.85 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.053 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP

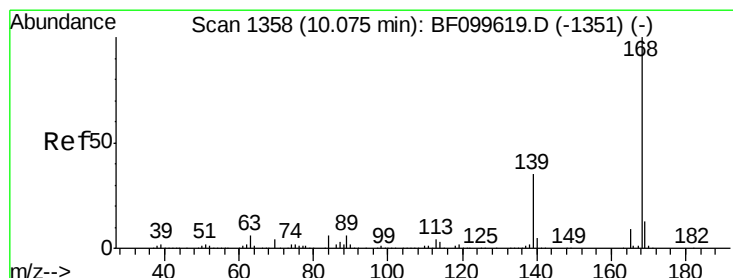
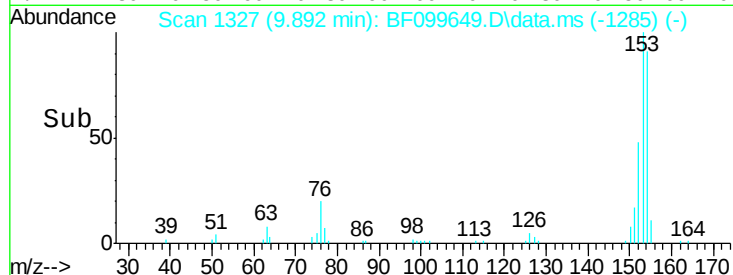
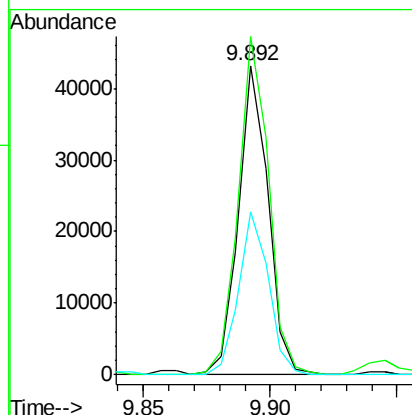
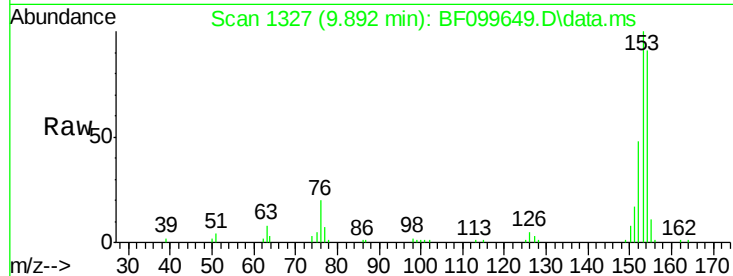
Tot Ion:154 Resp: 34937

Ion Ratio Lower Upper

154 100

153 109.3 91.2 136.8

152 52.7 43.8 65.8



#54

Dibenzofuran

Concen: 4.15 ng

RT: 10.069 min Scan# 1357

Delta R.T. -0.047 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

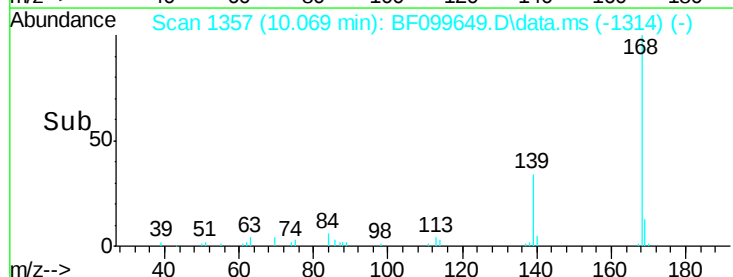
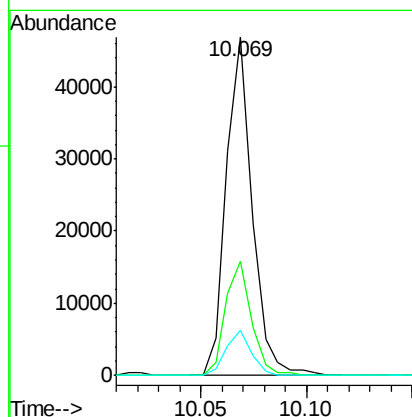
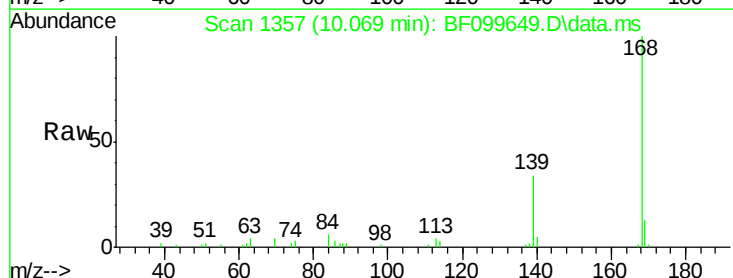
Tgt Ion:168 Resp: 39791

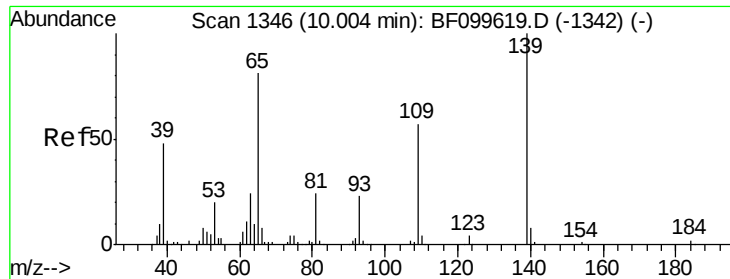
Ion Ratio Lower Upper

168 100

139 33.7 30.1 45.1

169 13.5 10.9 16.3





#55

4-Nitrophenol

Concen: 7.15 ng

RT: 10.069 min Scan# 13

Delta R.T. 0.047 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP

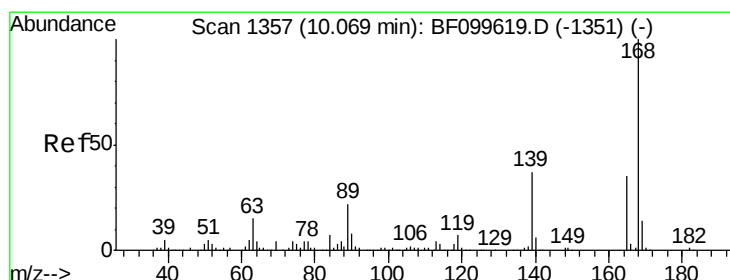
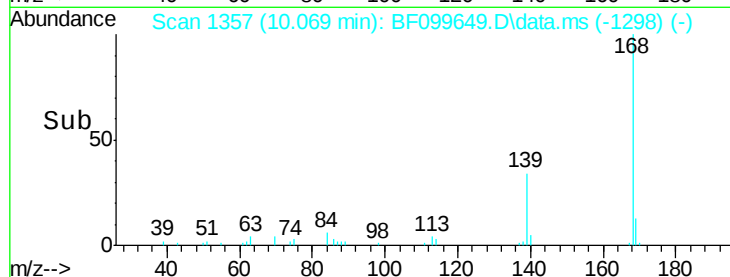
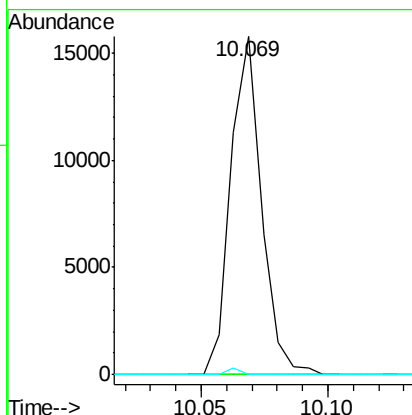
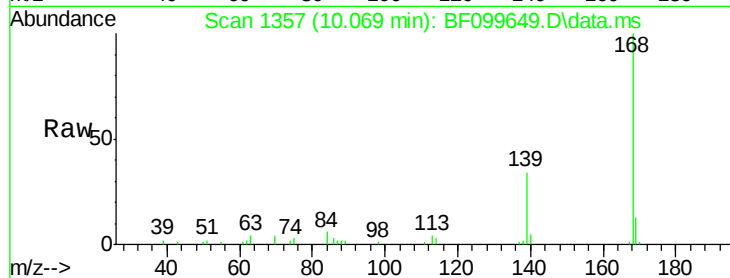
Tot Ion:139 Resp: 13318

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: 6.24 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.235 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Tgt Ion:165 Resp: 15300

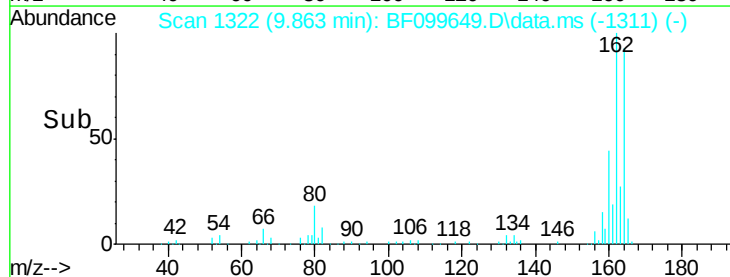
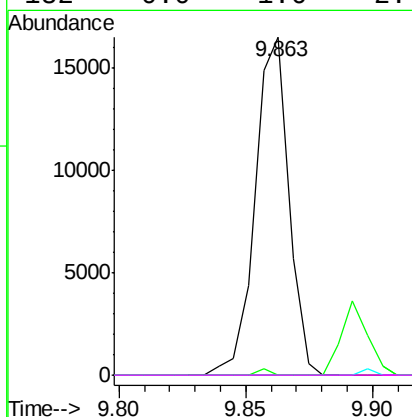
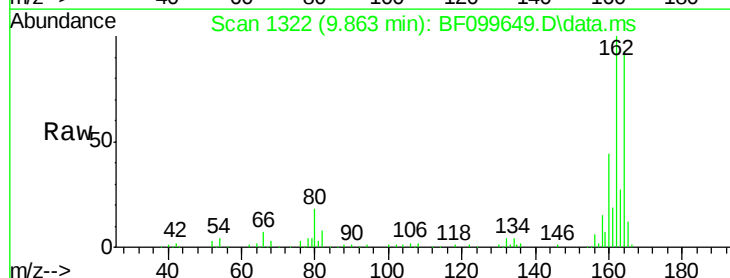
Ion Ratio Lower Upper

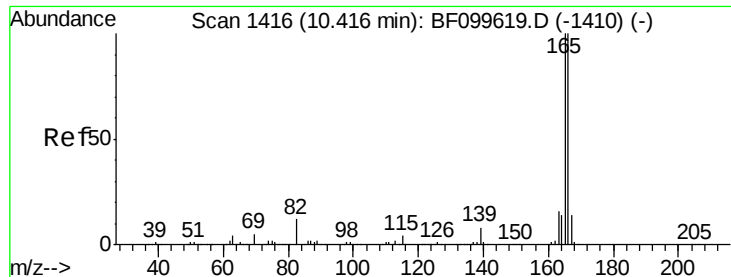
165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

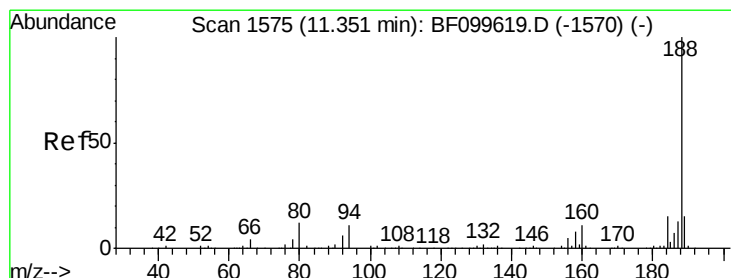
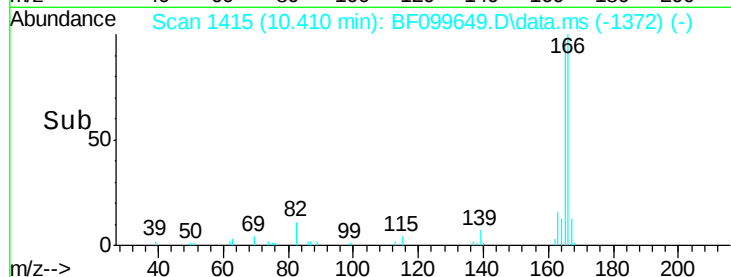
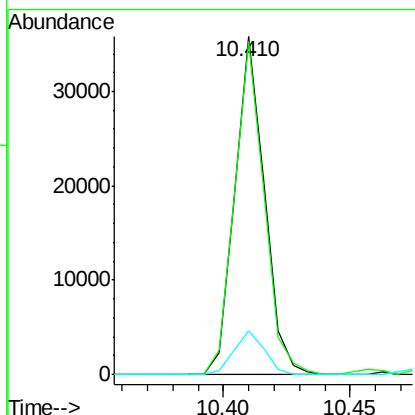
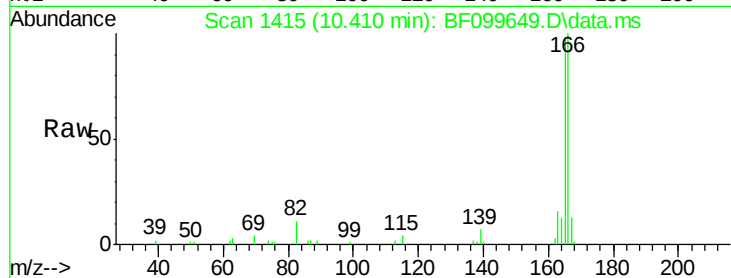




#57
 Fluorene
 Concen: 3.76 ng
 RT: 10.410 min Scan# 1416
 Delta R.T. -0.047 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

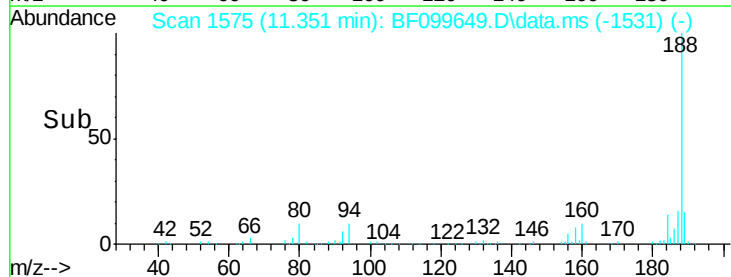
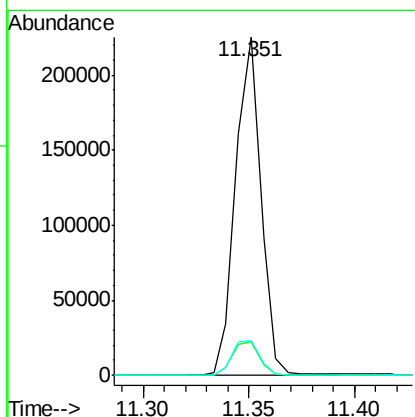
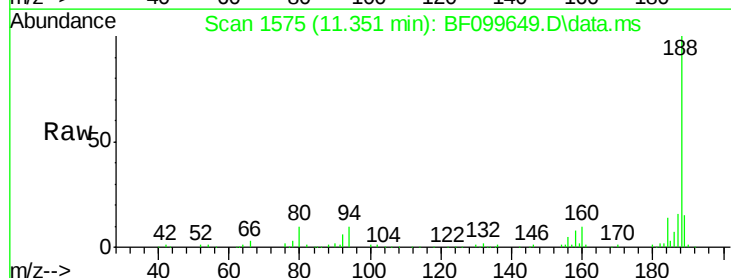
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP

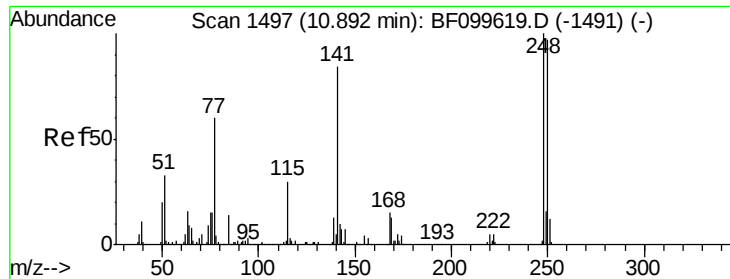
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	13.0	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.351 min Scan# 1575
 Delta R.T. -0.041 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.2	9.2	13.8

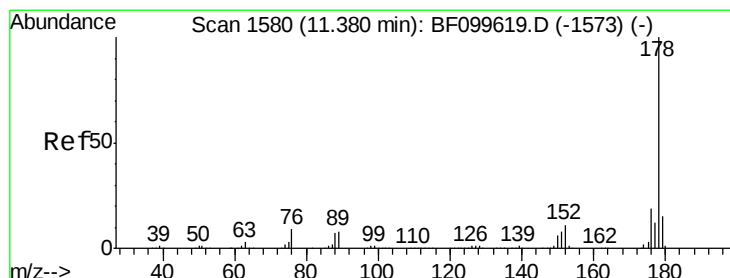
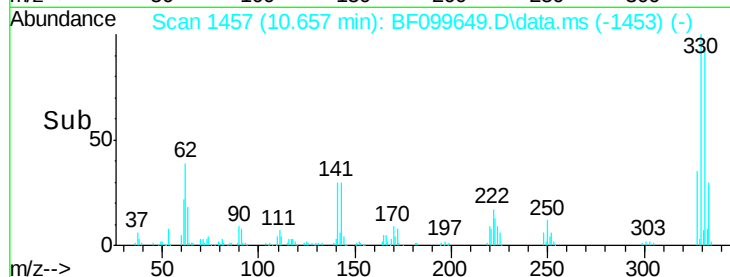
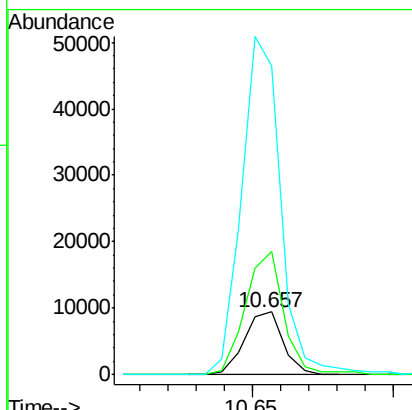
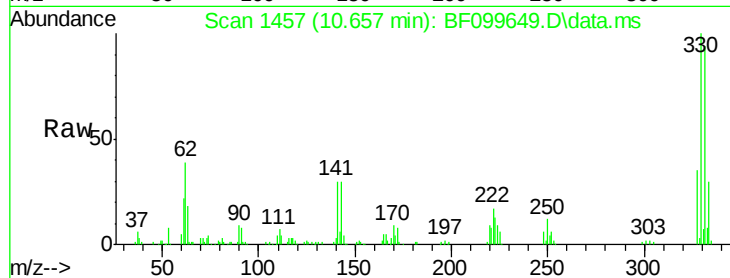




#66
 4-Bromophenyl-phenylether
 Concen: 4.86 ng
 RT: 10.657 min Scan# 14
 Delta R.T. -0.276 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

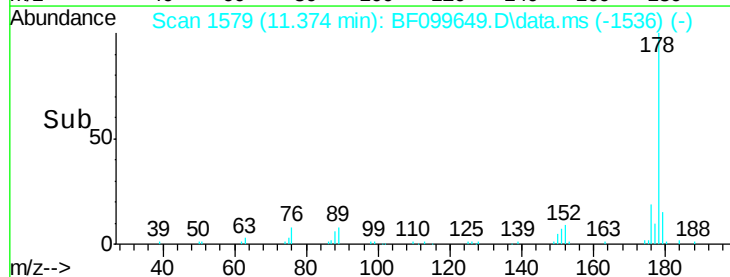
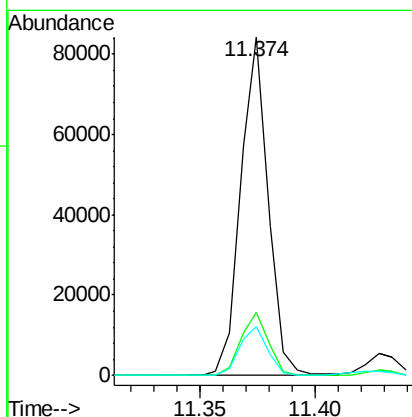
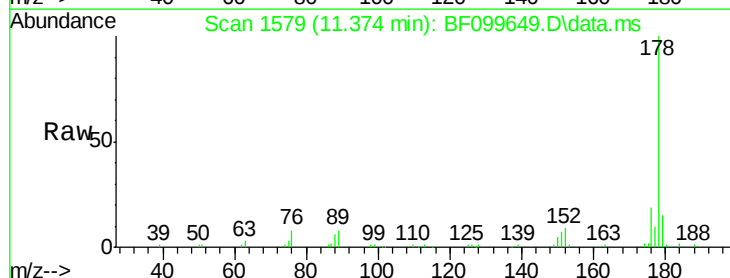
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP

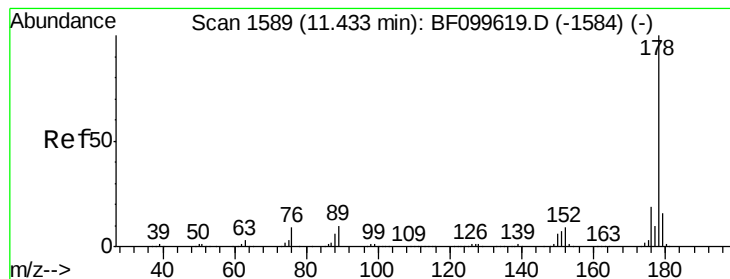
Tot Ion:248 Resp: 8918
 Ion Ratio Lower Upper
 248 100
 250 197.5 76.9 115.3#
 141 492.9 74.4 111.6#



#70
 Phenanthrene
 Concen: 6.97 ng
 RT: 11.374 min Scan# 1579
 Delta R.T. -0.047 min
 Lab File: BF099649.D
 Acq: 19 Oct 2017 6:54

Tgt Ion:178 Resp: 69849
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 14.6 13.0 19.6





#71

Anthracene

Concen: 6.81 ng

RT: 11.374 min Scan# 15

Delta R.T. -0.094 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP

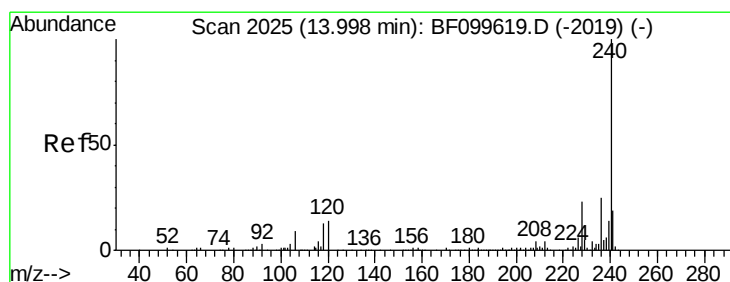
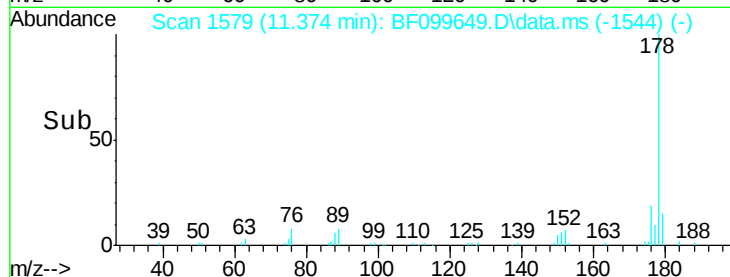
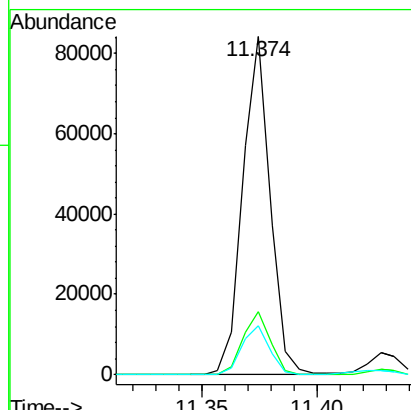
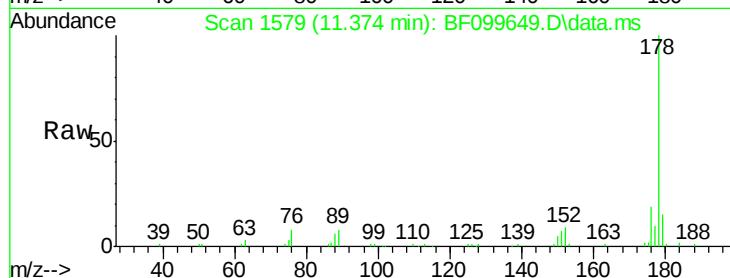
Tot Ion:178 Resp: 69849

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 14.6 12.6 19.0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.041 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

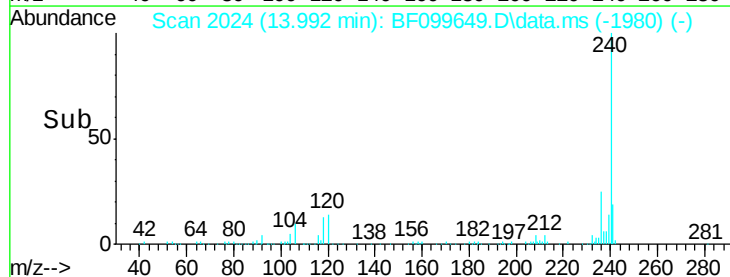
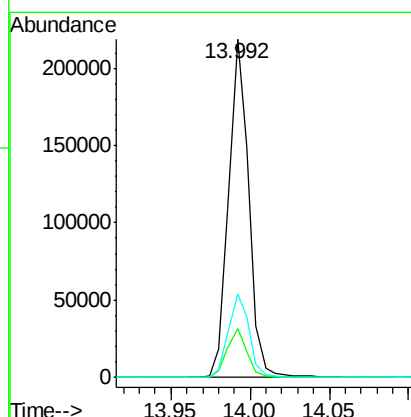
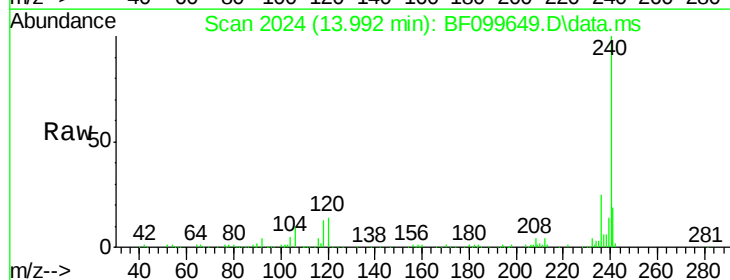
Tgt Ion:240 Resp: 191757

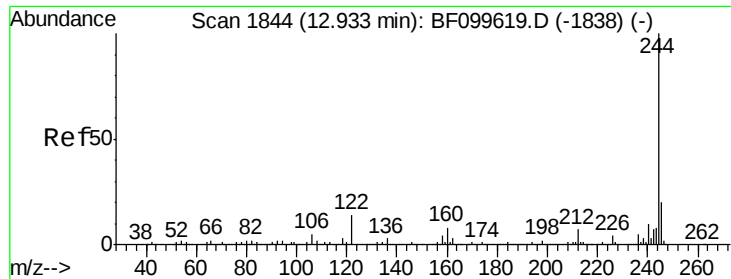
Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

236 24.8 20.7 31.1





#78

Terphenyl-d14

Concen: 78.84 ng

RT: 12.933 min Scan# 18

Delta R.T. -0.041 min

Lab File: BF099649.D

Acq: 19 Oct 2017 6:54

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP

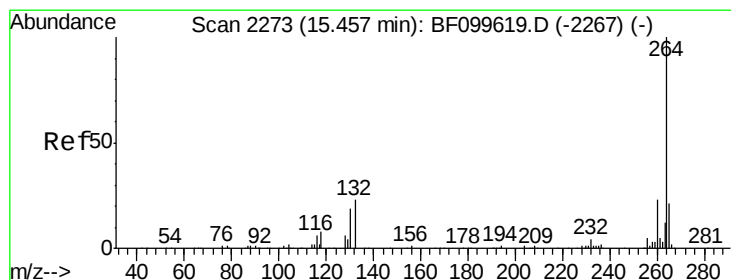
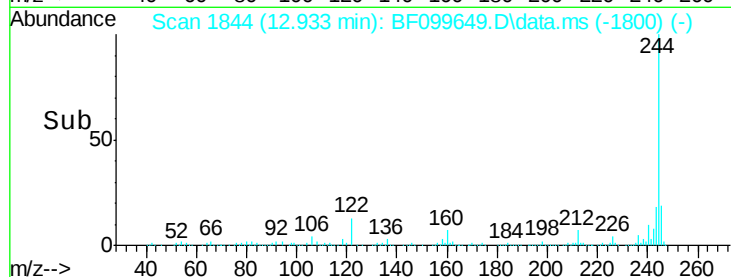
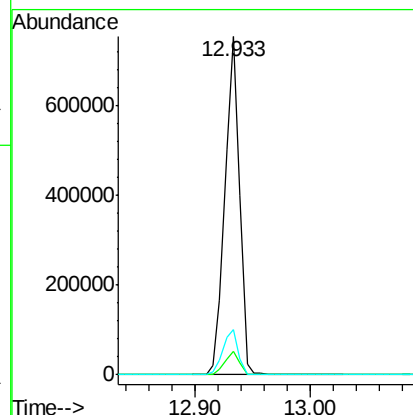
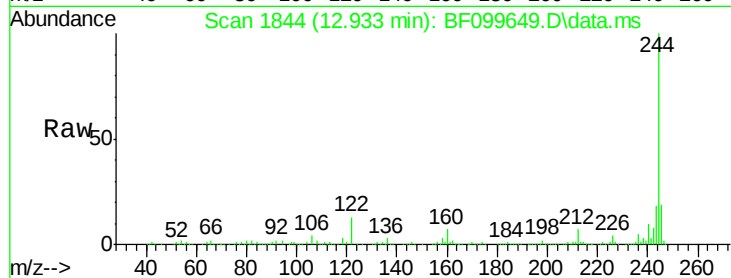
Tot Ion:244 Resp: 664733

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: BF099649.D

Acq: 19 Oct 2017 6:54

Tgt Ion:264 Resp: 147630

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.6 17.5 26.3

