

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084686.D
 Acq On : 30 Jan 2016 15:17
 Operator : SJ/IZ
 Sample : H1273-07 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B010(15-16)

Quant Time: Feb 01 00:28:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	185335	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	707173	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	298063	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	490556	20.00	ng	0.00
75) Chrysene-d12	13.87	240	370752	20.00	ng	0.00
86) Perylene-d12	15.27	264	391604	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	284152	23.14	ng	0.01
7) Phenol-d6	6.37	99	367841	25.00	ng	0.00
23) Nitrobenzene-d5	7.29	82	218669	17.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	57909	18.54	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	333168	16.61	ng	0.00
78) Terphenyl-d14	12.83	244	200398	12.21	ng	0.00

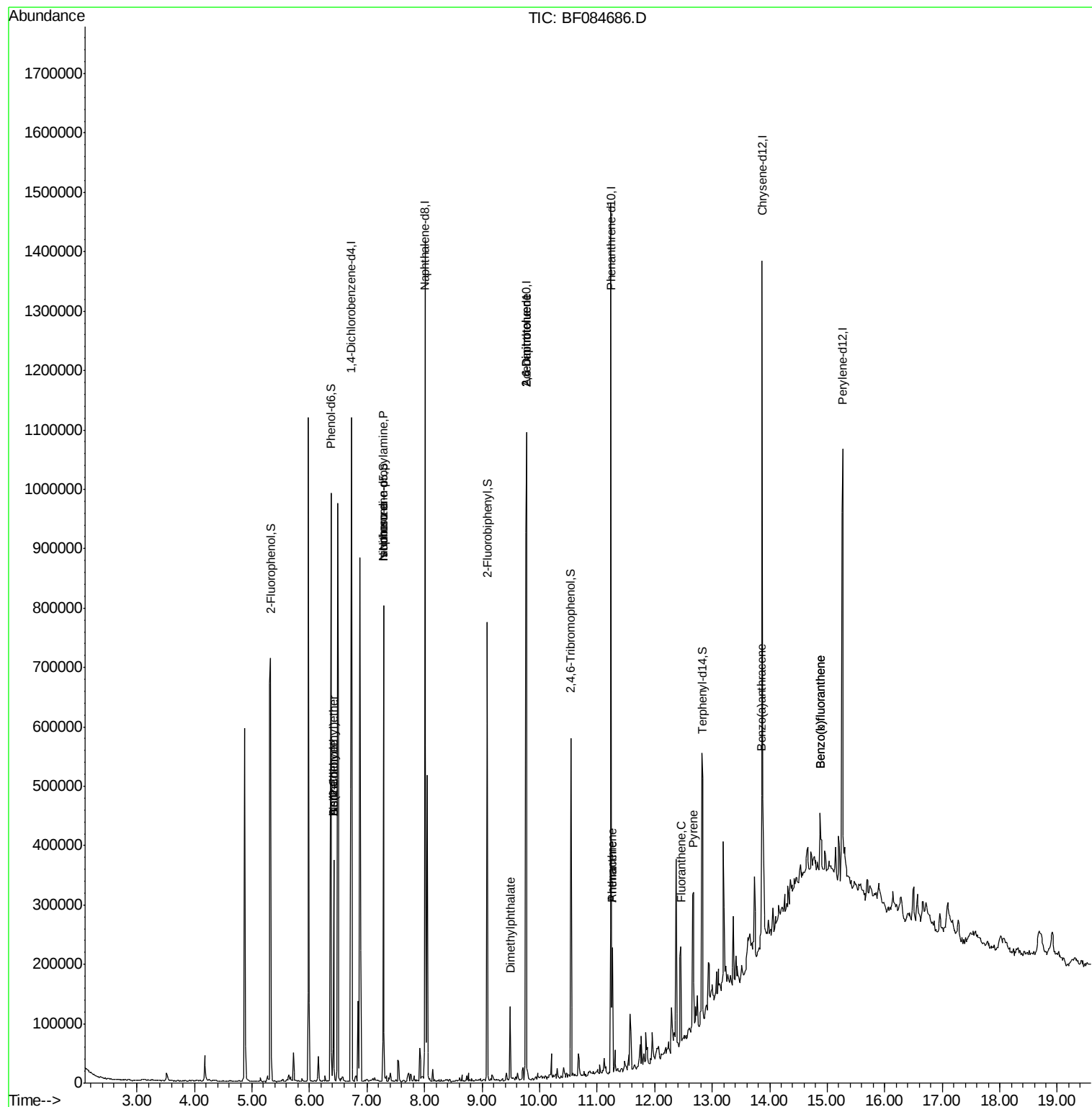
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.42	93	74697	3.95	ng	# 37
9) Benzaldehyde	6.42	77	17760	2.08	ng	# 10
11) bis(2-Chloroethyl)ether	6.42	93	74697	5.86	ng	# 28
19) n-Nitroso-di-n-propylamine	7.29	70	29940	3.33	ng	# 69
25) Isophorone	7.29	82	205741	8.68	ng	# 66
49) Dimethylphthalate	9.49	163	69942	3.13	ng	# 91
50) 2,6-Dinitrotoluene	9.77	165	38658	7.85	ng	# 38
56) 2,4-Dinitrotoluene	9.77	165	38658	6.05	ng	# 22
70) Phenanthrene	11.26	178	74775	2.76	ng	99
71) Anthracene	11.26	178	74775	2.71	ng	100
74) Fluoranthene	12.45	202	96707	3.61	ng	94
77) Pyrene	12.67	202	90892	3.25	ng	98
80) Benzo(a)anthracene	13.86	228	52935	2.29	ng	98
87) Benzo(b)fluoranthene	14.88	252	67707	2.67	ng	# 93
88) Benzo(k)fluoranthene	14.88	252	67707	3.23	ng	# 96

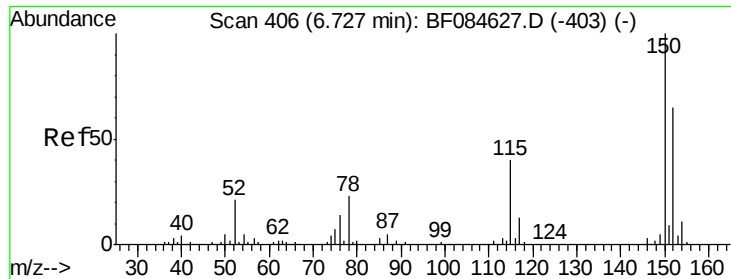
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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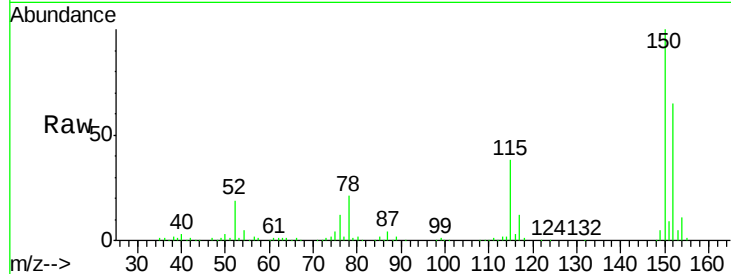


#1

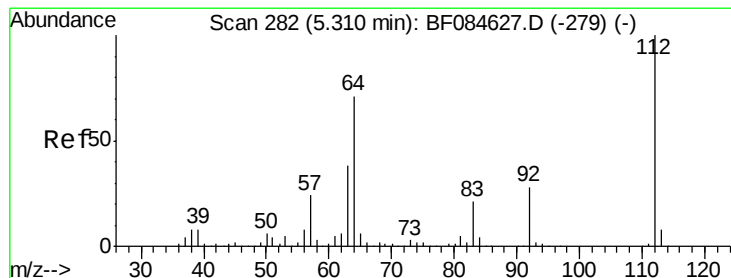
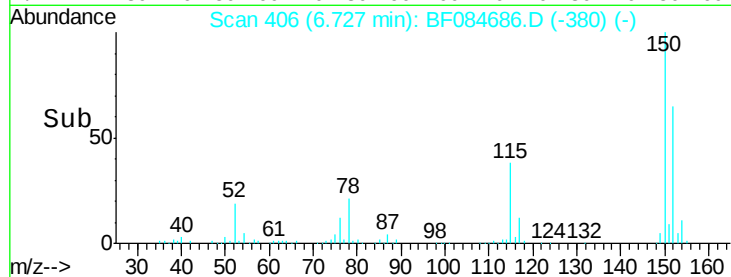
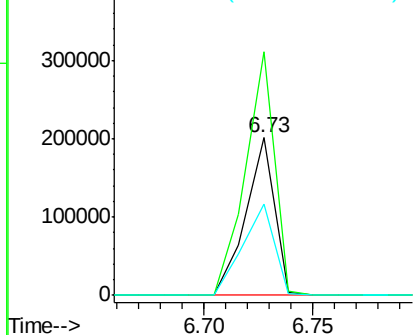
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

Instrument :
BNA_F
ClientSampleId :
SUP-B010(15-16)

Tgt Ion:152 Resp: 185335
Ion Ratio Lower Upper
152 100
150 154.5 123.0 184.4
115 58.2 51.4 77.2



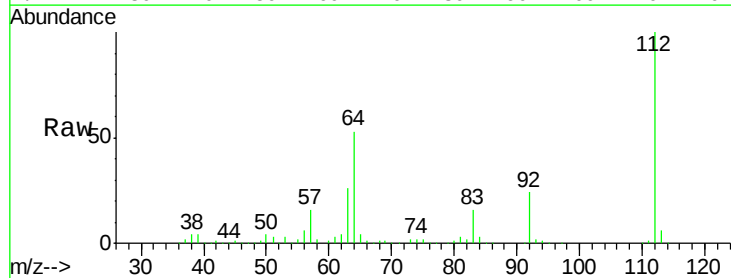
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



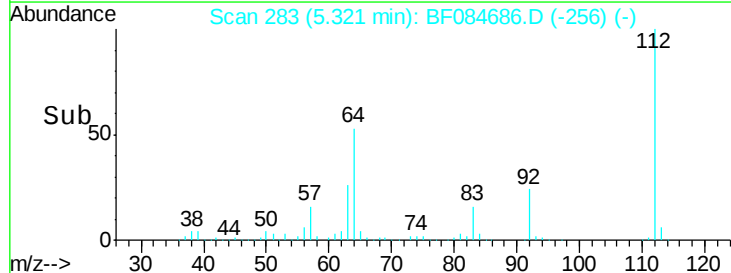
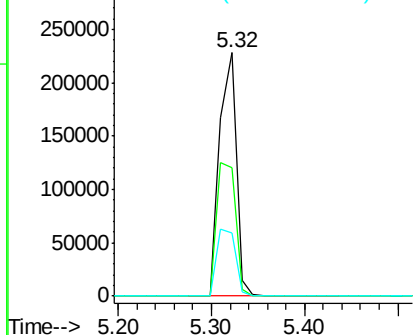
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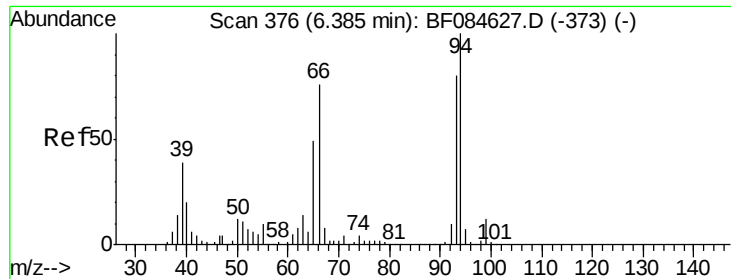
2-Fluorophenol
Concen: 23.14 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.01 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

Tgt Ion:112 Resp: 284152
Ion Ratio Lower Upper
112 100
64 52.7 36.6 55.0
63 26.0 19.4 29.0



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: 3.95 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.03 min

Lab File: BF084686.D

Acq: 30 Jan 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SUP-B010(15-16)

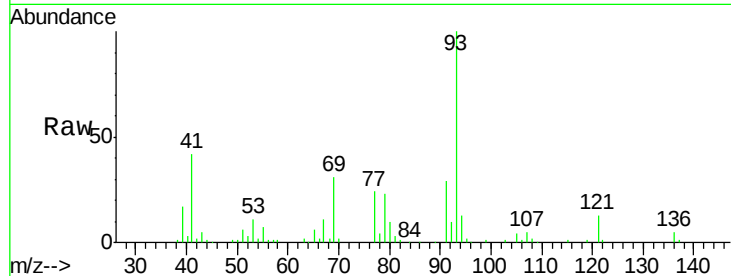
Tgt Ion: 93 Resp: 74697

Ion Ratio Lower Upper

93 100

66 2.2 44.9 67.3#

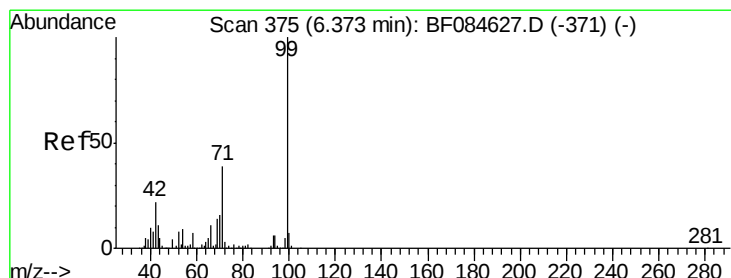
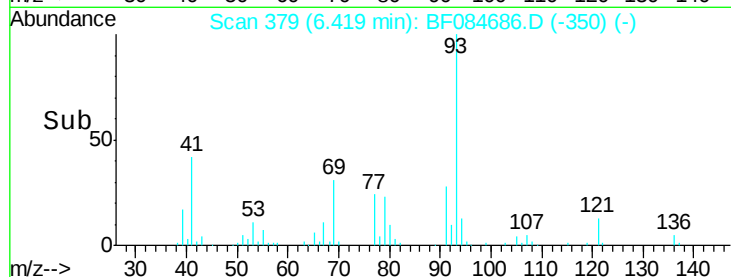
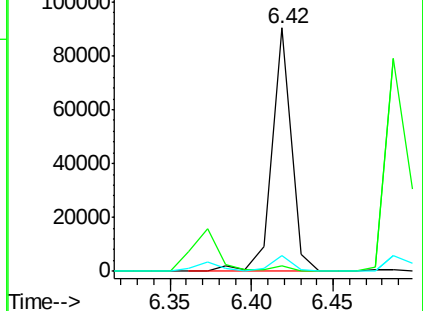
65 6.3 23.7 35.5#



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: 25.00 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084686.D

Acq: 30 Jan 2016 15:17

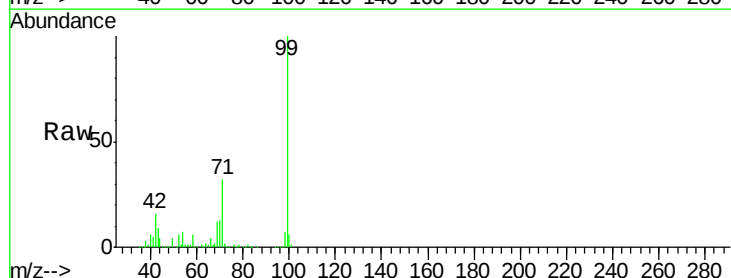
Tgt Ion: 99 Resp: 367841

Ion Ratio Lower Upper

99 100

42 15.9 12.8 19.2

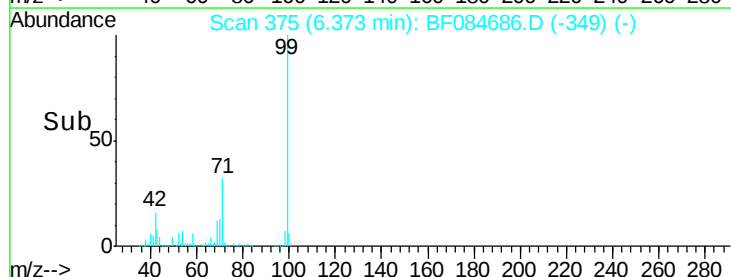
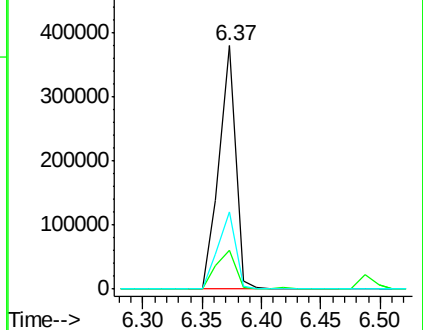
71 31.9 30.9 46.3

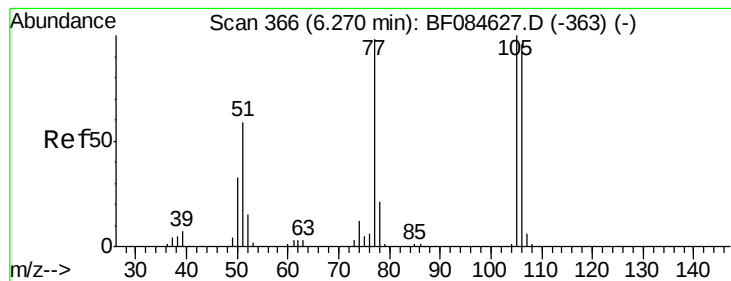


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.08 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.15 min

Lab File: BF084686.D

Acq: 30 Jan 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SUP-B010(15-16)

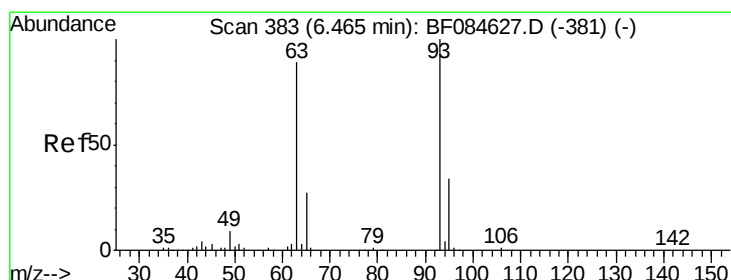
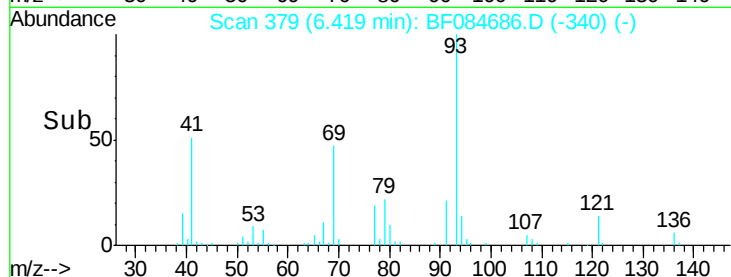
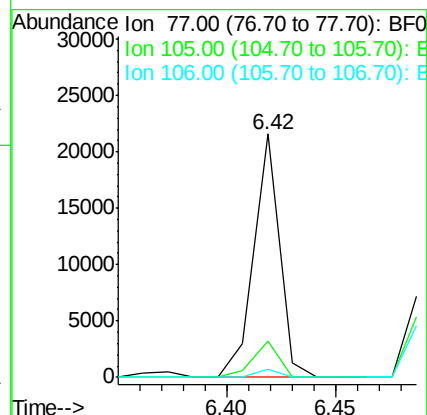
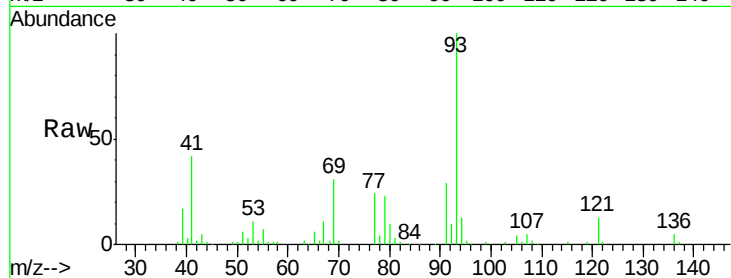
Tgt Ion: 77 Resp: 17760

Ion Ratio Lower Upper

77 100

105 14.8 83.0 123.0#

106 3.4 74.6 114.6#



#11

bis(2-Chloroethyl)ether

Concen: 5.86 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.05 min

Lab File: BF084686.D

Acq: 30 Jan 2016 15:17

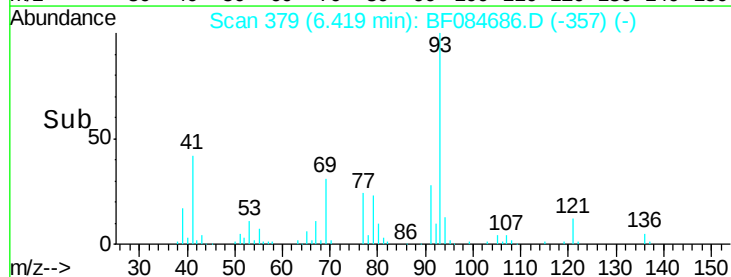
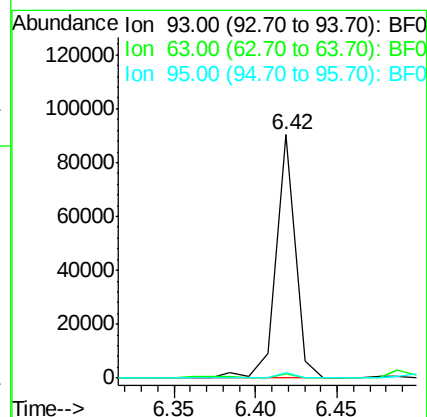
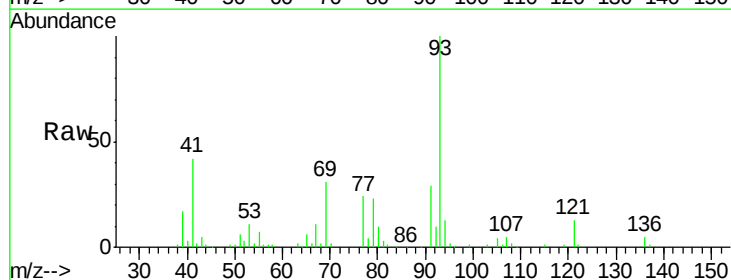
Tgt Ion: 93 Resp: 74697

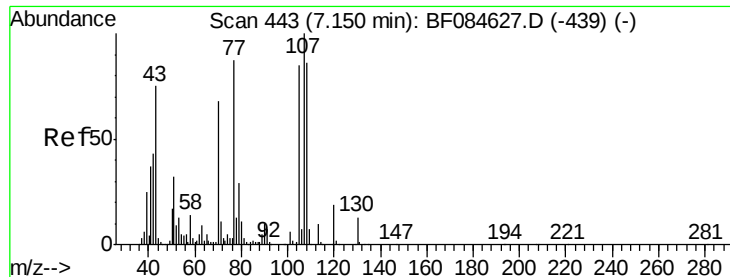
Ion Ratio Lower Upper

93 100

63 1.8 45.9 85.9#

95 2.2 12.3 52.3#

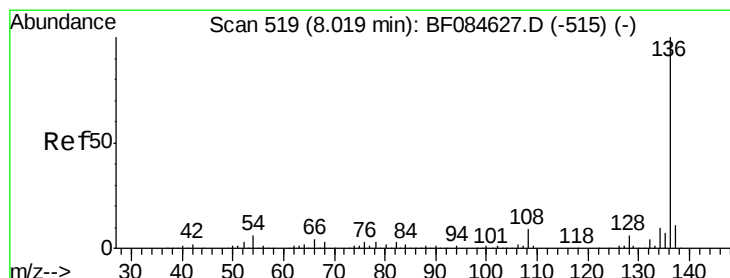
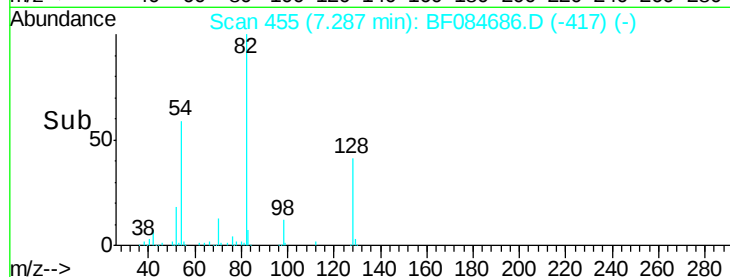
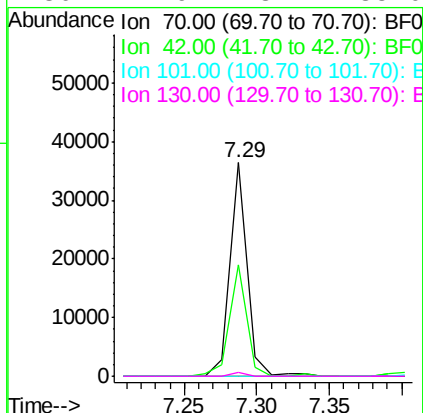
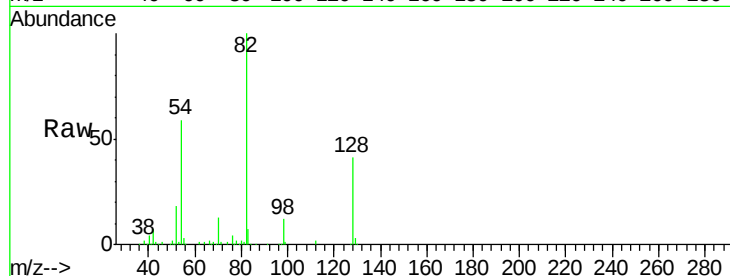




#19
n-Nitroso-di-n-propylamine
Concen: 3.33 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.14 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

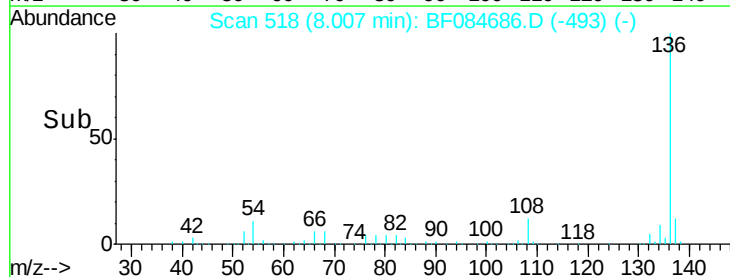
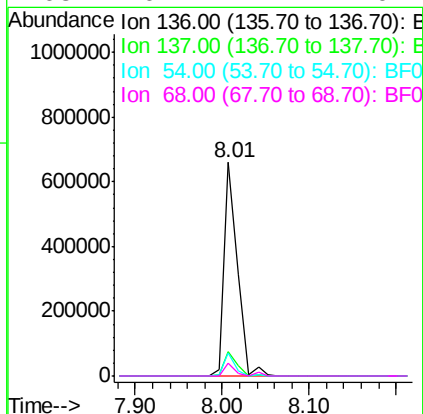
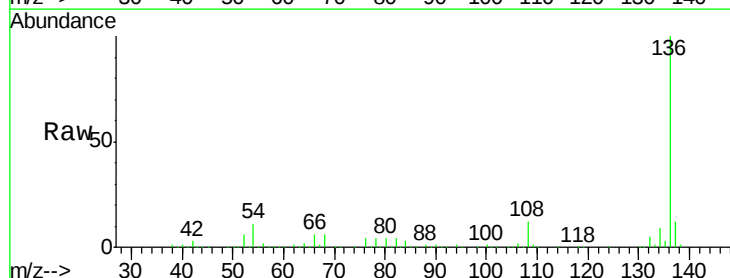
Instrument :
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SUP-B010(15-16)

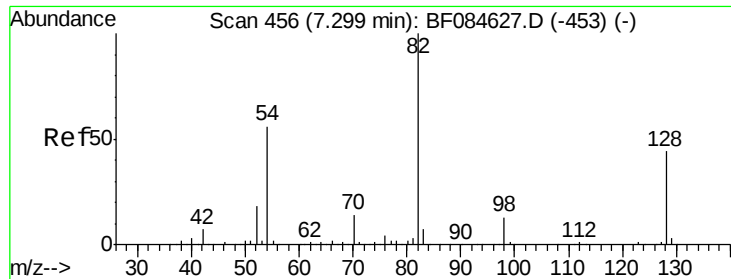
Tgt Ion: 70 Resp: 29940
Ion Ratio Lower Upper
70 100
42 52.2 33.3 49.9#
101 0.0 9.3 13.9#
130 1.9 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

Tgt Ion: 136 Resp: 707173
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 10.6 5.8 8.8#
68 6.2 4.2 6.2

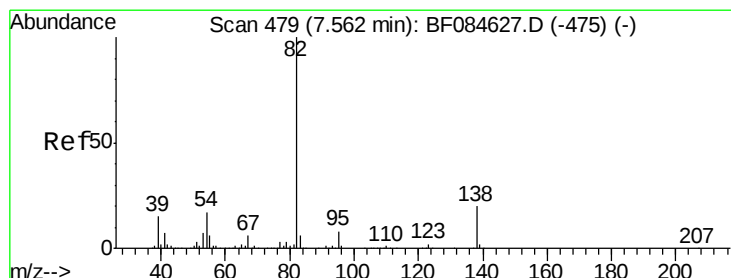
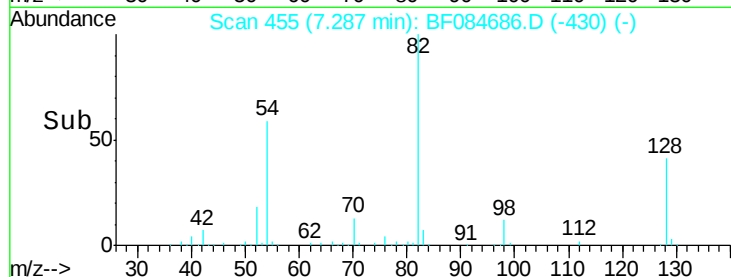
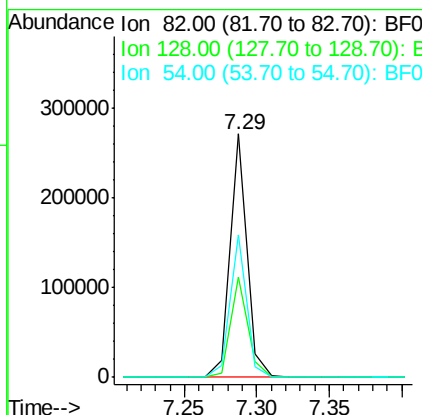
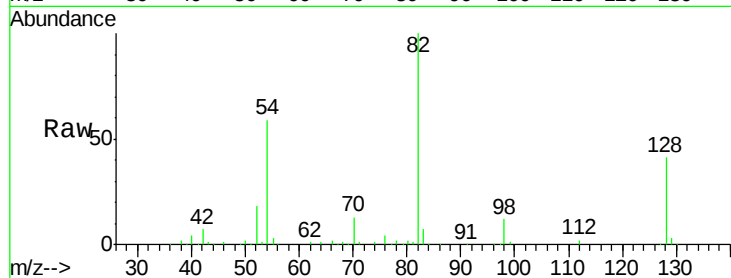




#23
 Nitrobenzene-d5
 Concen: 17.28 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF084686.D
 Acq: 30 Jan 2016 15:17

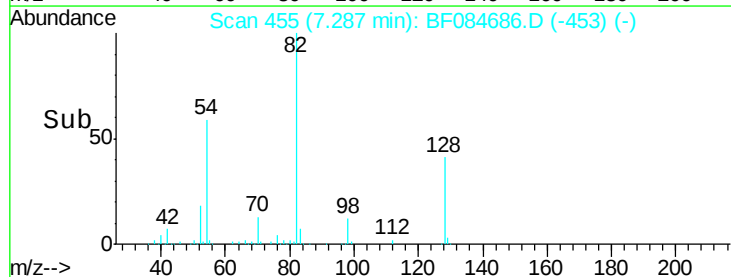
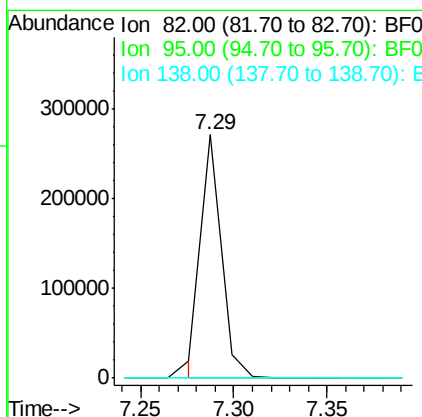
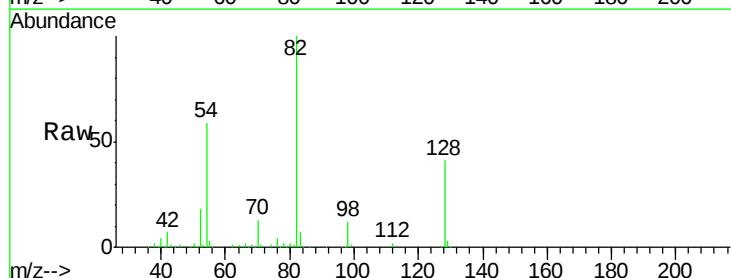
Instrument :
 BNA_F
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 SUP-B010(15-16)

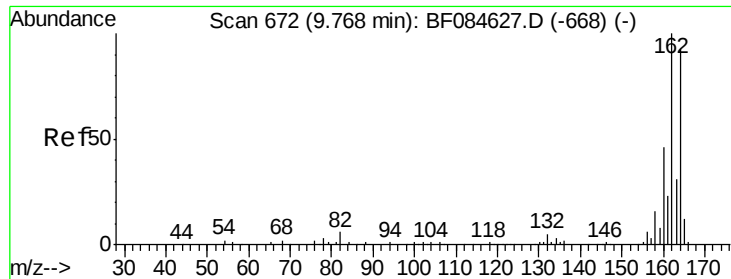
Tgt Ion: 82 Resp: 218669
 Ion Ratio Lower Upper
 82 100
 128 41.1 34.6 51.8
 54 58.6 38.4 57.6#



#25
 Isophorone
 Concen: 8.68 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.27 min
 Lab File: BF084686.D
 Acq: 30 Jan 2016 15:17

Tgt Ion: 82 Resp: 205741
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 10.0#
 138 0.0 13.6 20.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF084686.D

Acq: 30 Jan 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SUP-B010(15-16)

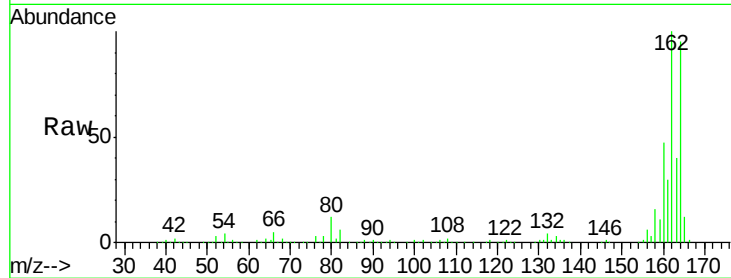
Tgt Ion:164 Resp: 298063

Ion Ratio Lower Upper

164 100

162 105.0 85.1 127.7

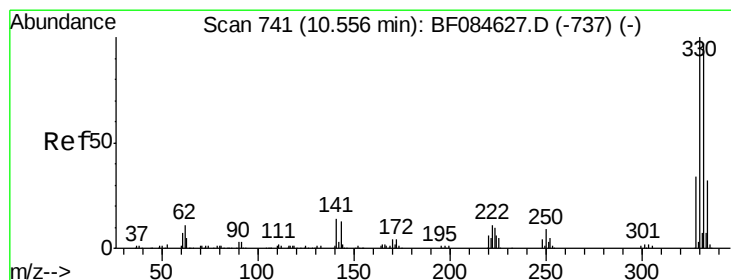
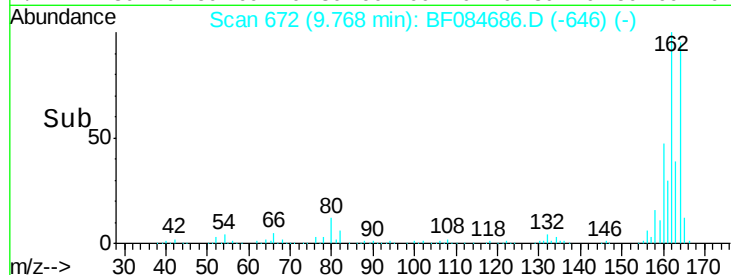
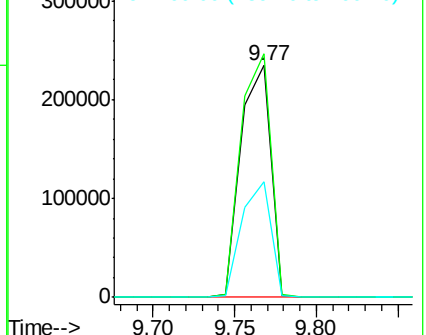
160 49.7 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 18.54 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF084686.D

Acq: 30 Jan 2016 15:17

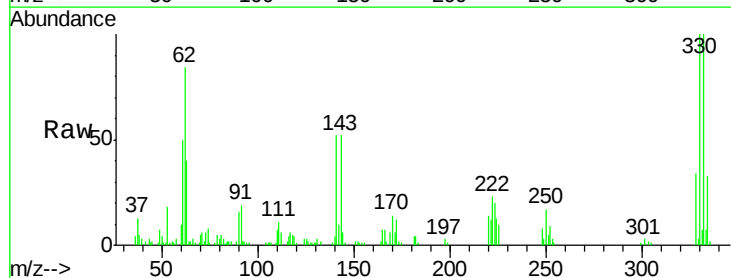
Tgt Ion:330 Resp: 57909

Ion Ratio Lower Upper

330 100

332 99.9 76.6 114.8

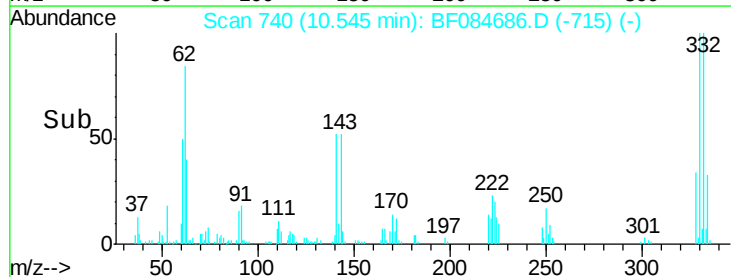
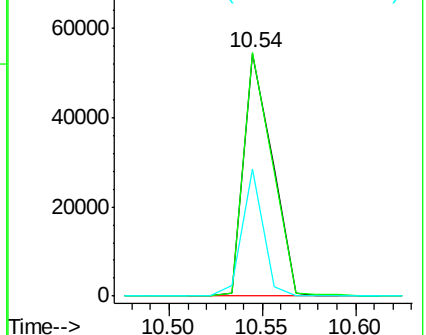
141 39.1 27.8 41.6

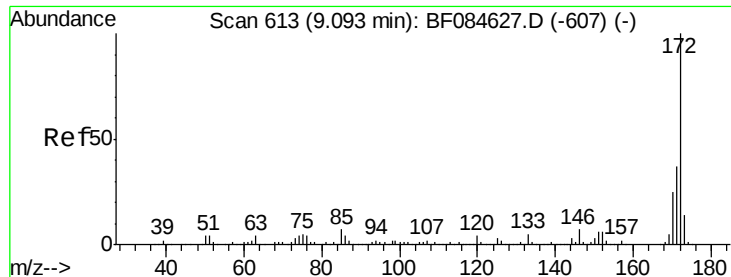


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

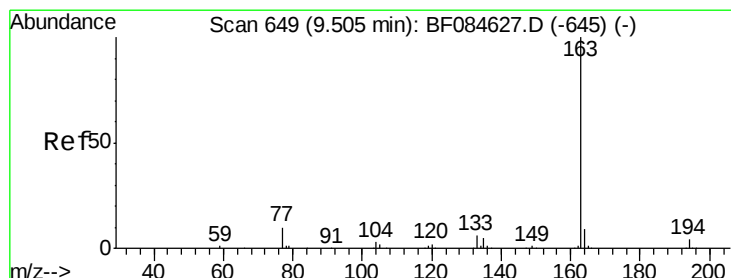
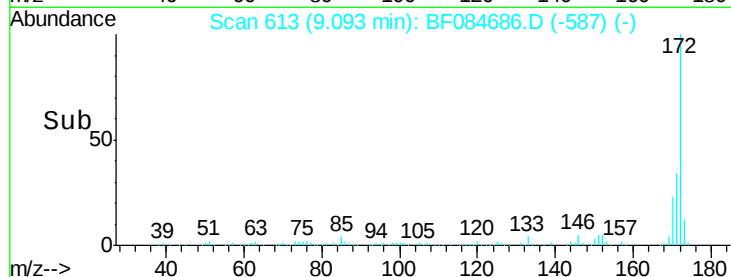
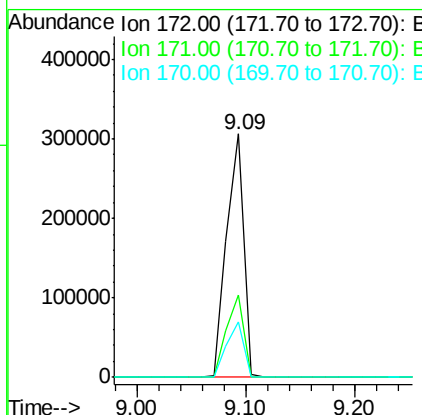
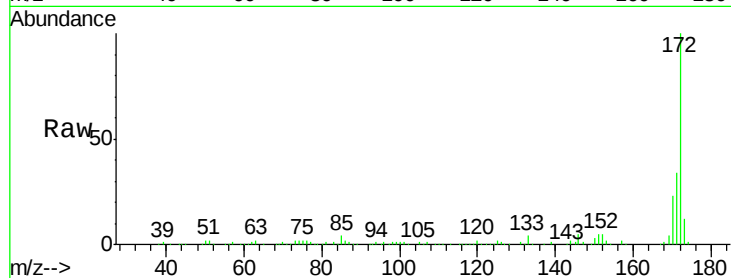




#44
2-Fluorobiphenyl
Concen: 16.61 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

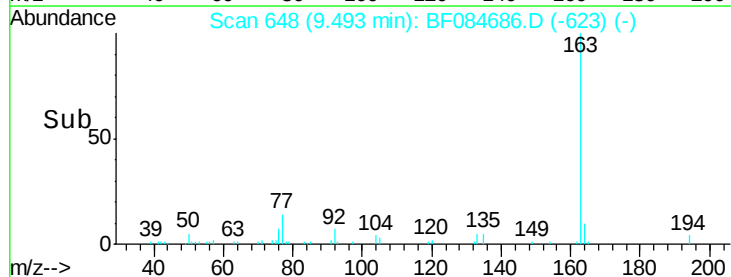
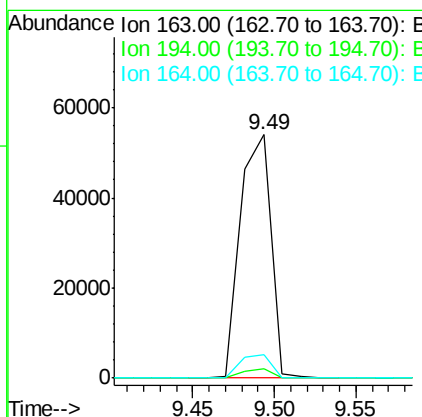
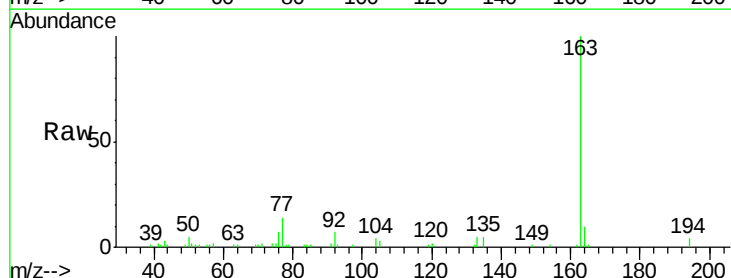
Instrument :
BNA_F
ClientSampleId :
SUP-B010(15-16)

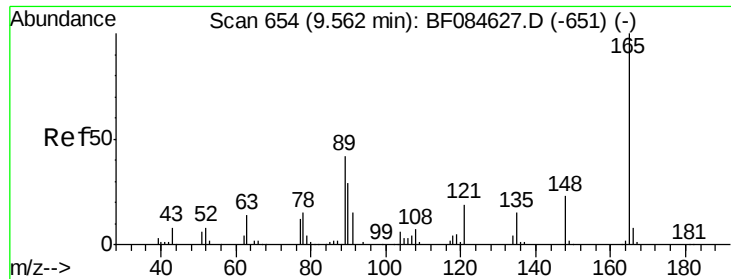
Tgt Ion:172 Resp: 333168
Ion Ratio Lower Upper
172 100
171 33.6 28.9 43.3
170 23.0 18.6 27.8



#49
Dimethylphthalate
Concen: 3.13 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

Tgt Ion:163 Resp: 69942
Ion Ratio Lower Upper
163 100
194 3.8 8.0 12.0#
164 9.5 8.0 12.0





#50

2,6-Dinitrotoluene

Concen: 7.85 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.21 min

Lab File: BF084686.D

Acq: 30 Jan 2016 15:17

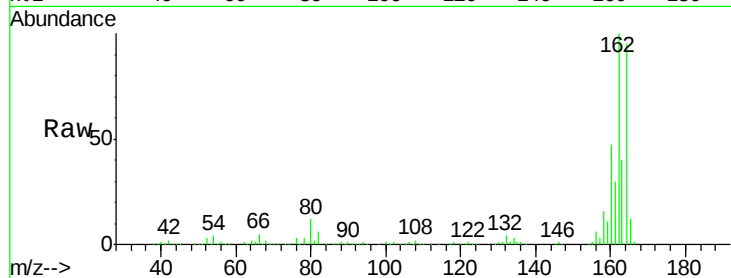
Instrument :

BNA_F

ClientSampleId :

SUP-B010(15-16)

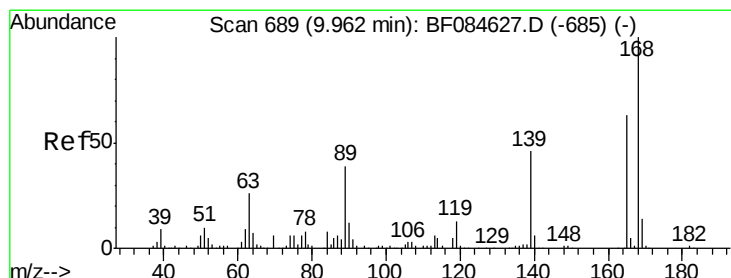
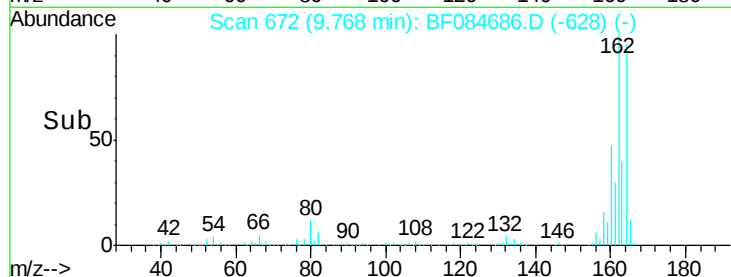
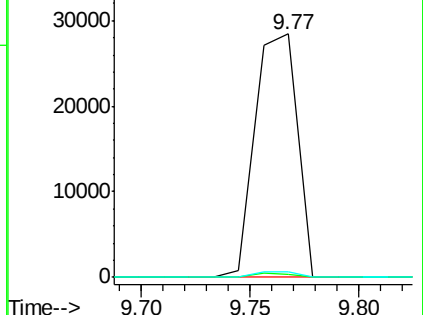
Tgt Ion:	165	Resp:	38658
Ion Ratio	Lower	Upper	
165	100		
63	1.4	28.8	43.2#
89	2.3	35.1	52.7#



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



#56

2,4-Dinitrotoluene

Concen: 6.05 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.19 min

Lab File: BF084686.D

Acq: 30 Jan 2016 15:17

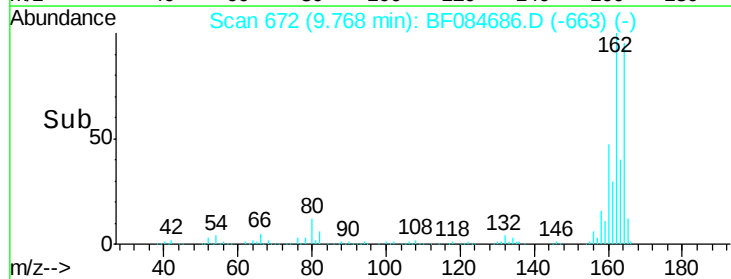
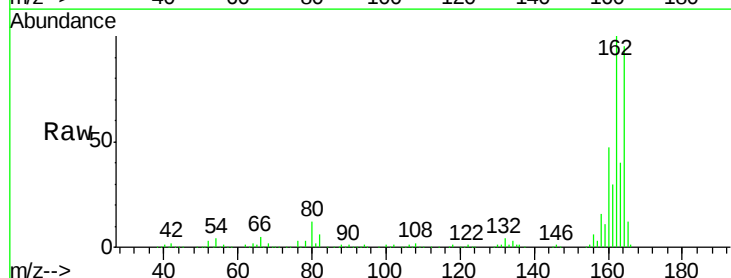
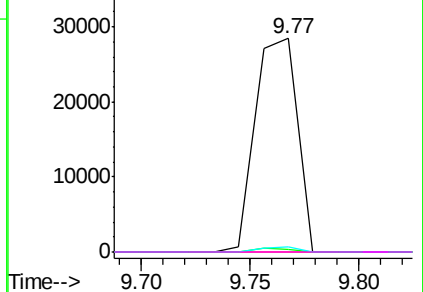
Tgt Ion:	165	Resp:	38658
Ion Ratio	Lower	Upper	
165	100		
63	1.4	36.7	55.1#
89	2.3	61.9	92.9#
182	0.0	2.0	3.0#

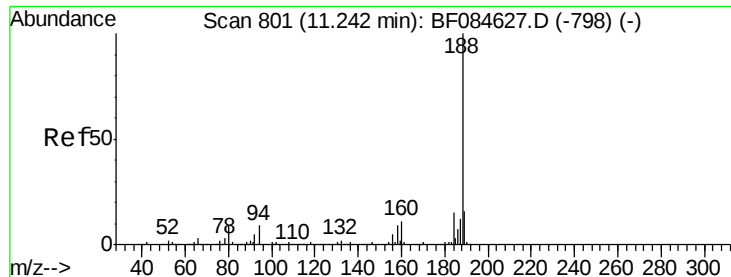
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

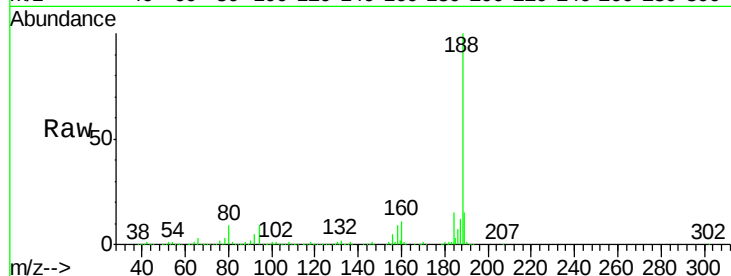




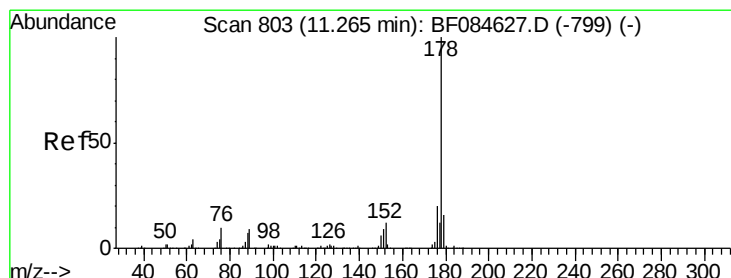
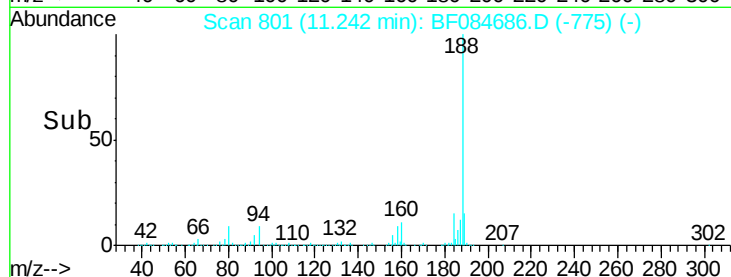
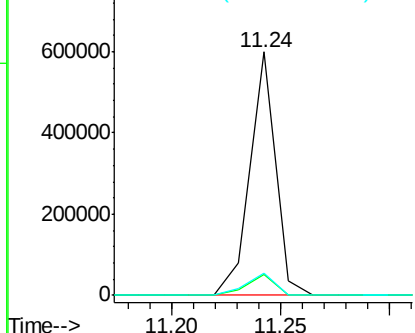
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

Instrument :
BNA_F
ClientSampleId :
SUP-B010(15-16)

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	9.0	13.4#
80	9.1	9.6	14.4#

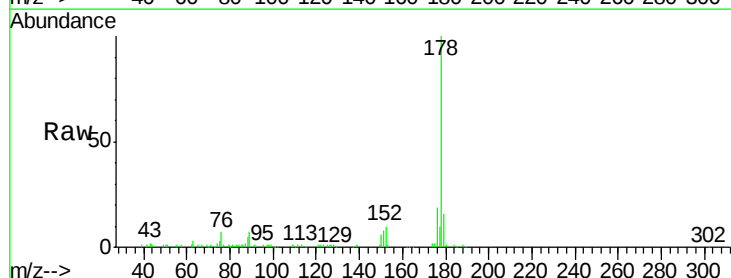


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

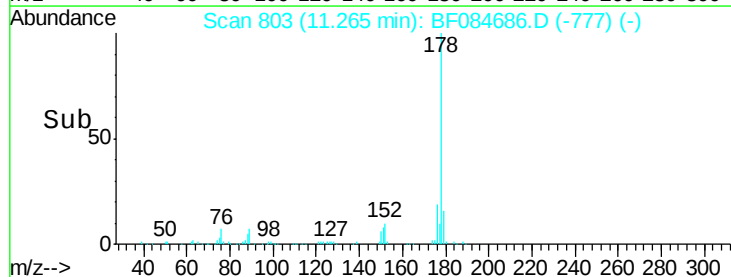
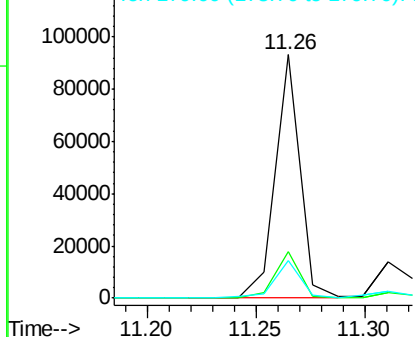


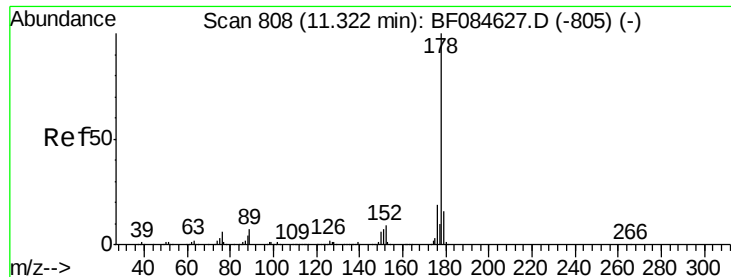
#70
Phenanthrene
Concen: 2.76 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.0	18.0



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

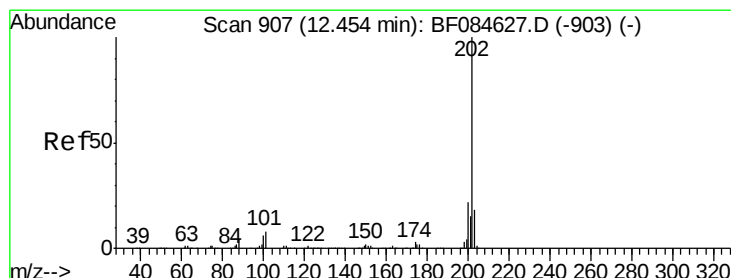
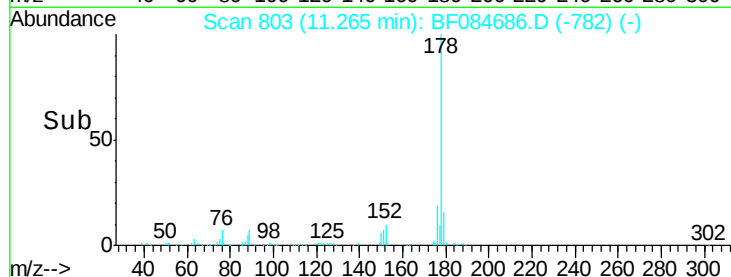
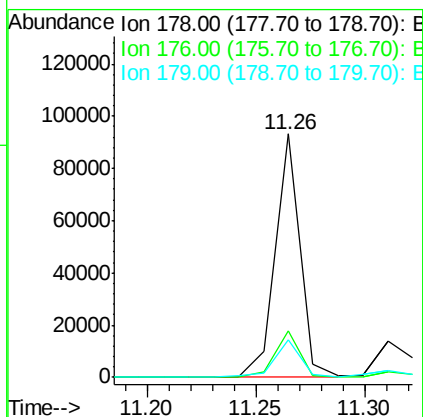
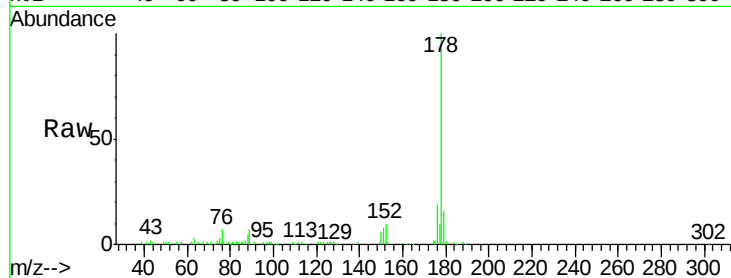




#71
 Anthracene
 Concen: 2.71 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.06 min
 Lab File: BF084686.D
 Acq: 30 Jan 2016 15:17

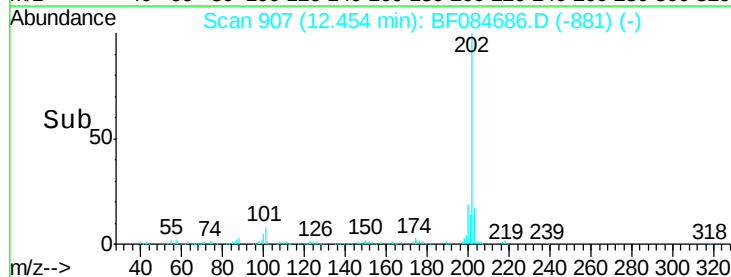
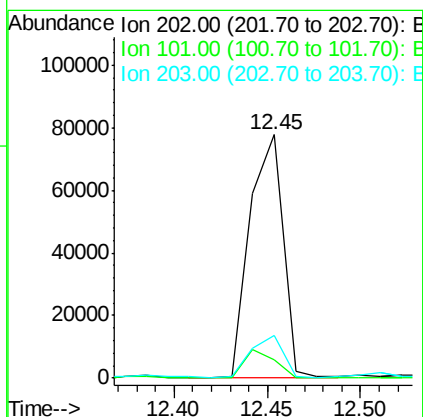
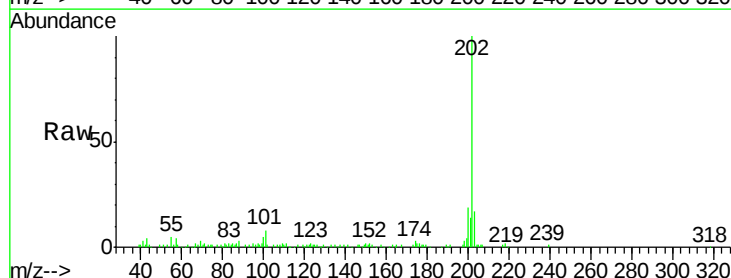
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B010(15-16)

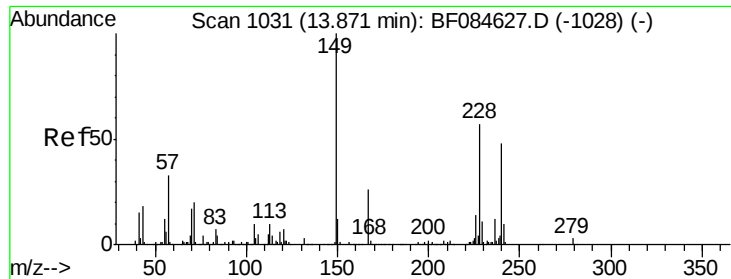
Tgt Ion:178 Resp: 74775
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.6 12.5 18.7



#74
 Fluoranthene
 Concen: 3.61 ng
 RT: 12.45 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: BF084686.D
 Acq: 30 Jan 2016 15:17

Tgt Ion:202 Resp: 96707
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 32.8
 203 17.5 0.0 37.9

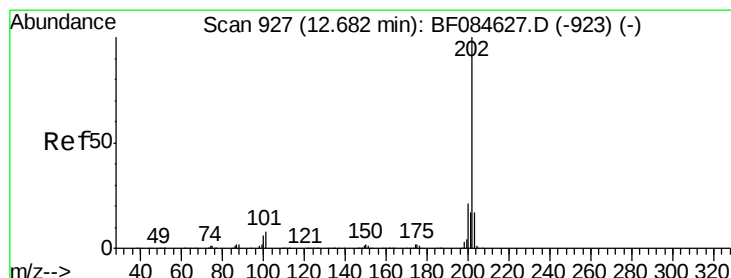
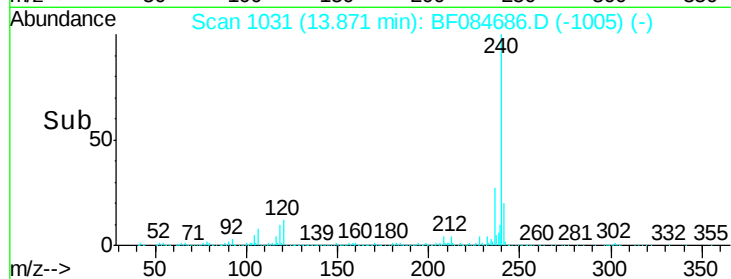
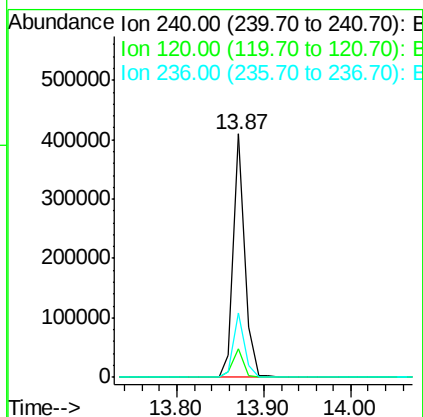
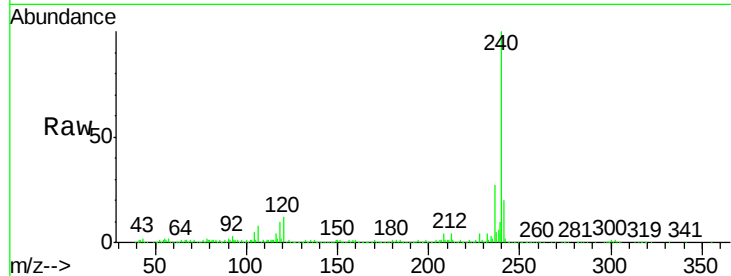




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

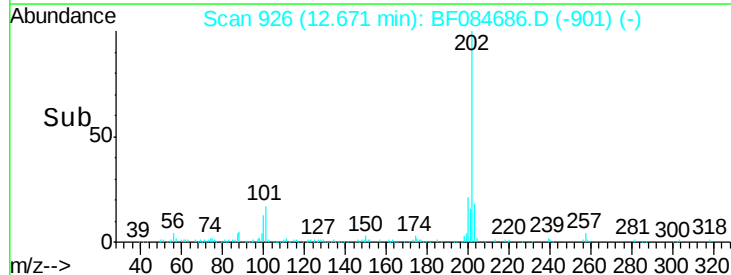
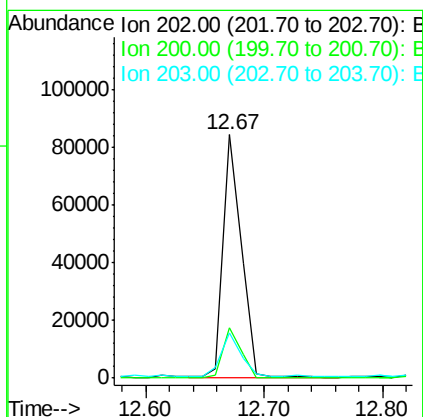
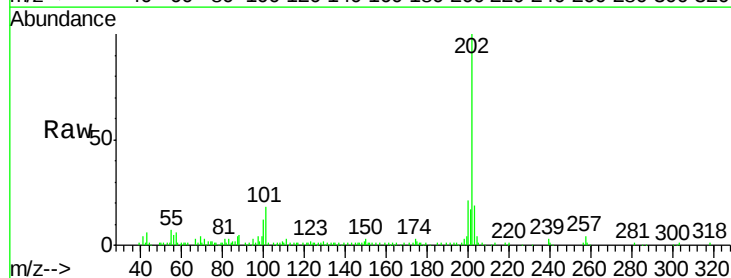
Instrument :
BNA_F
ClientSampleId :
SUP-B010(15-16)

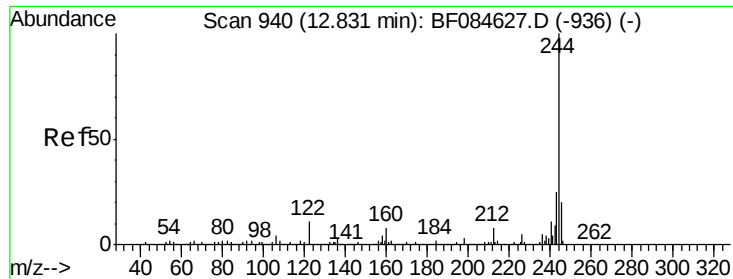
Tgt Ion:240 Resp: 370752
Ion Ratio Lower Upper
240 100
120 11.8 9.5 14.3
236 26.6 20.6 31.0



#77
Pyrene
Concen: 3.25 ng
RT: 12.67 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

Tgt Ion:202 Resp: 90892
Ion Ratio Lower Upper
202 100
200 20.6 17.2 25.8
203 18.6 14.3 21.5

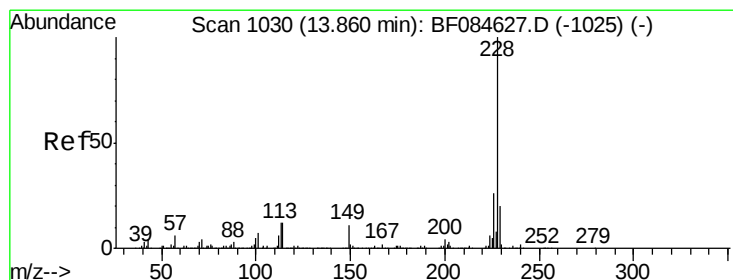
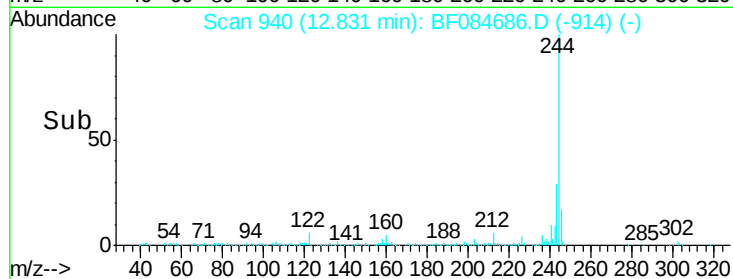
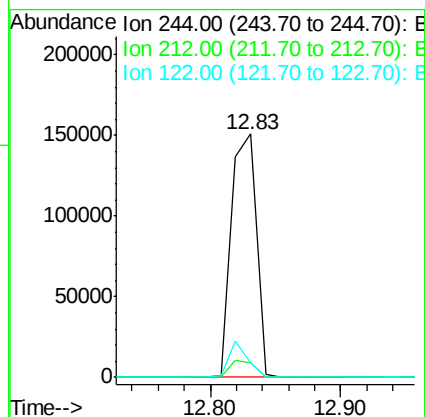
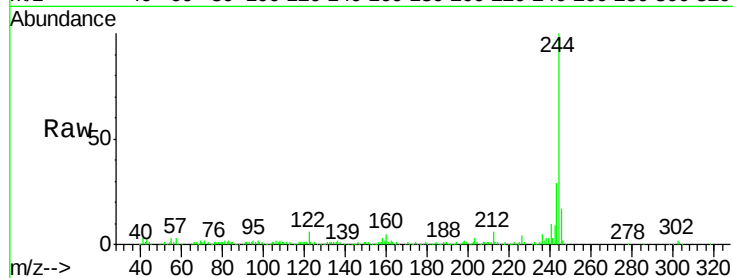




#78
 Terphenyl-d14
 Concen: 12.21 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF084686.D
 Acq: 30 Jan 2016 15:17

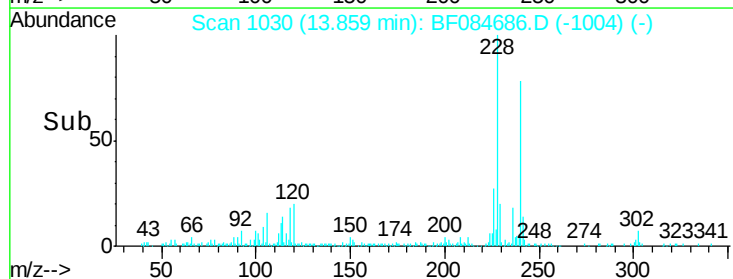
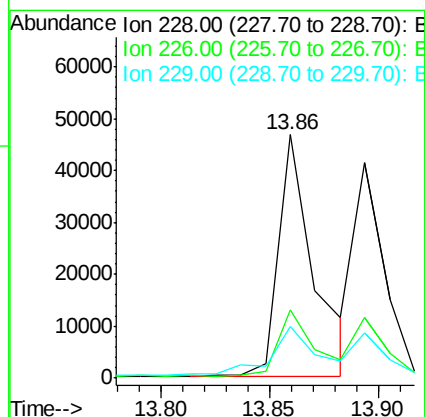
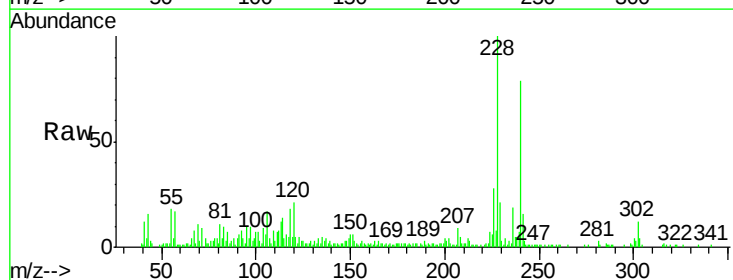
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B010(15-16)

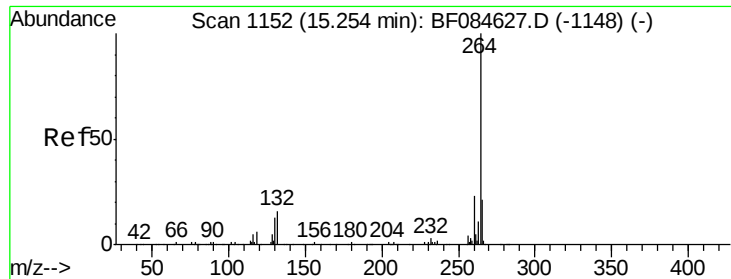
Tgt Ion:244 Resp: 200398
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.7 8.5
 122 5.8 7.4 11.0#



#80
 Benzo(a)anthracene
 Concen: 2.29 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BF084686.D
 Acq: 30 Jan 2016 15:17

Tgt Ion:228 Resp: 52935
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.8 32.6
 229 21.1 15.8 23.8

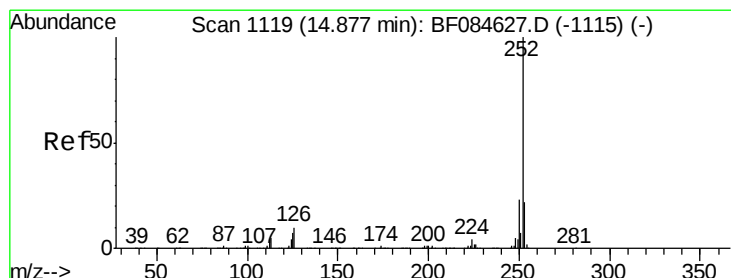
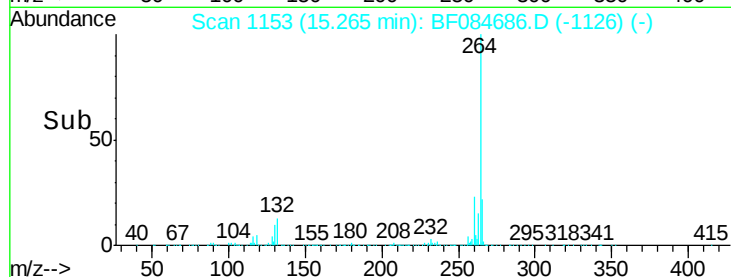
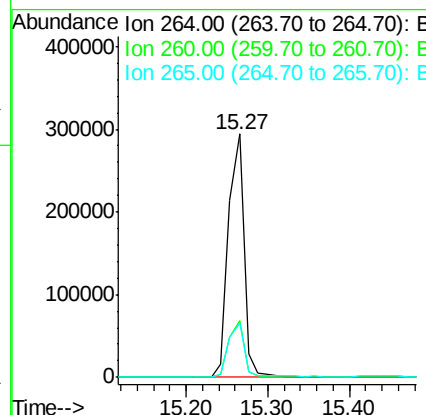
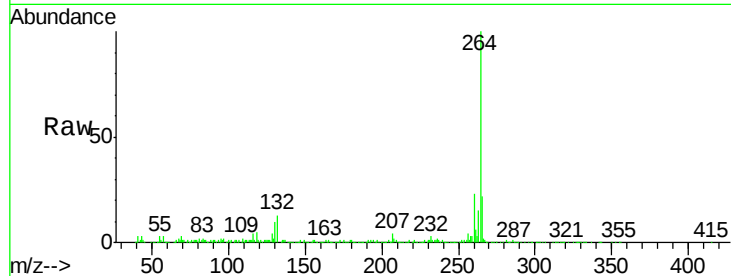




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

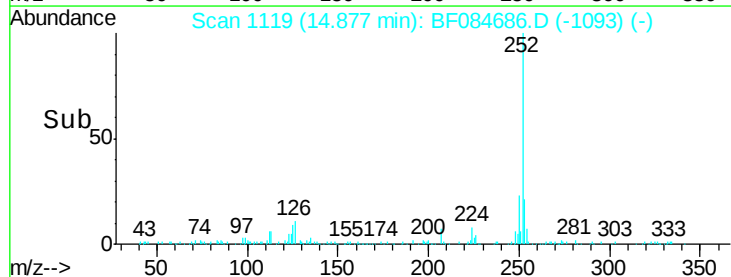
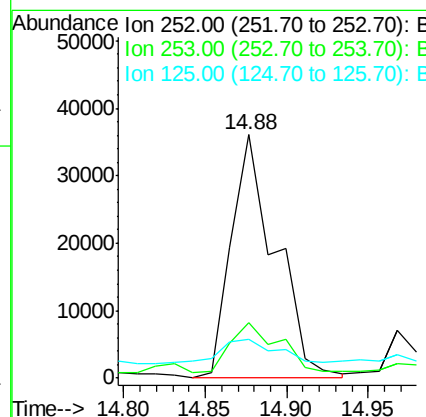
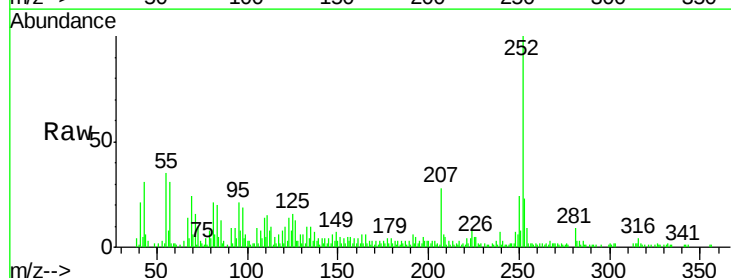
Instrument :
BNA_F
ClientSampleId :
SUP-B010(15-16)

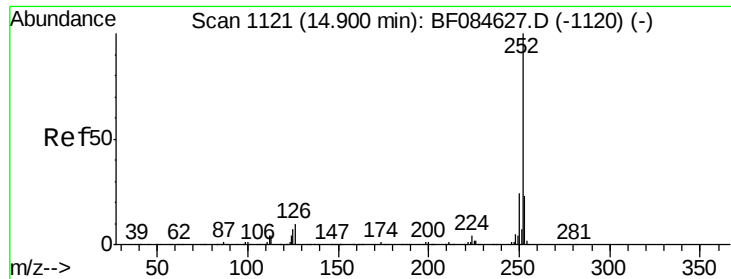
Tgt Ion:264 Resp: 391604
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 22.0 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 2.67 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF084686.D
Acq: 30 Jan 2016 15:17

Tgt Ion:252 Resp: 67707
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 15.7 6.5 9.7#





#88

Benzo(k)fluoranthene

Concen: 3.23 ng

RT: 14.88 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF084686.D

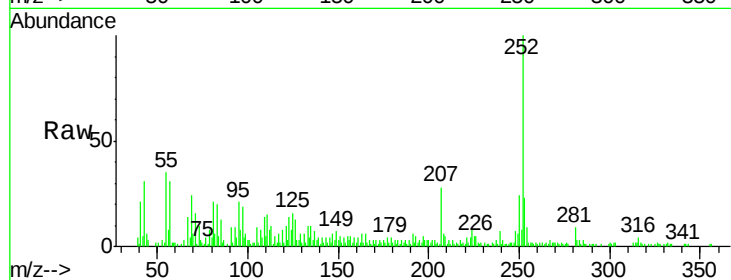
Acq: 30 Jan 2016 15:17

Instrument :

BNA_F

ClientSampleId :

SUP-B010(15-16)



Tgt Ion:	252	Resp:	67707
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.7	9.0	13.6

