

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084683.D
 Acq On : 30 Jan 2016 13:54
 Operator : SJ/IZ
 Sample : H1273-05
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B010(10-12)

Quant Time: Feb 01 00:27:10 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

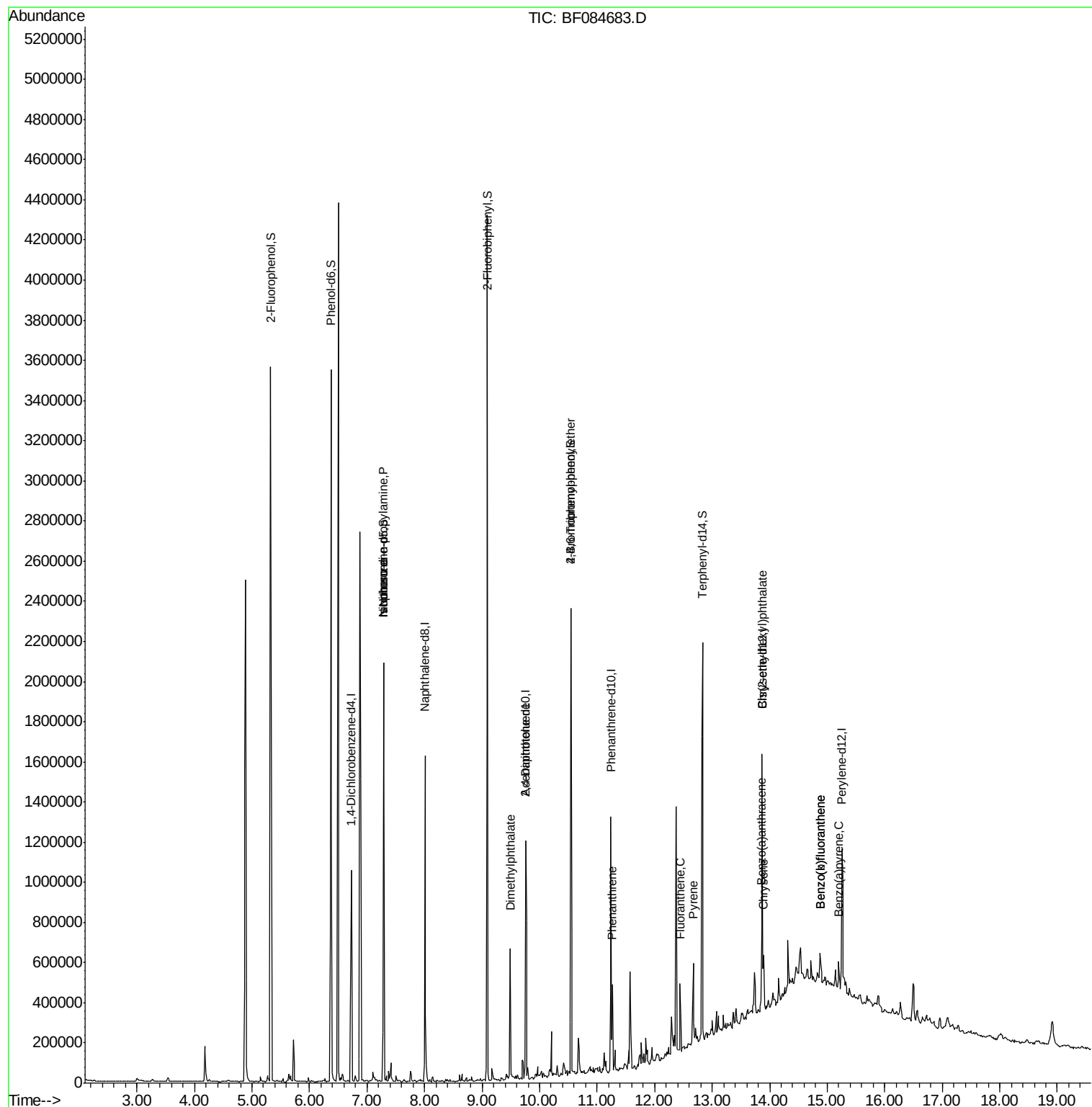
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	180932	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	673962	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	288681	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	470486	20.00	ng	0.00
75) Chrysene-d12	13.87	240	364056	20.00	ng	0.00
86) Perylene-d12	15.25	264	386391	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1133711	94.58	ng	0.01
7) Phenol-d6	6.37	99	1360323	94.69	ng	0.00
23) Nitrobenzene-d5	7.29	82	898503	74.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	276174	91.28	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1431910	73.73	ng	0.00
78) Terphenyl-d14	12.83	244	838028	51.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	119605	13.63	ng	# 68
25) Isophorone	7.29	82	844060	37.36	ng	# 66
49) Dimethylphthalate	9.49	163	392065	18.10	ng	# 91
56) 2,4-Dinitrotoluene	9.76	165	37473	6.05	ng	# 22
66) 4-Bromophenyl-phenylether	10.54	248	16989	3.21	ng	# 1
70) Phenanthrene	11.26	178	168189	6.46	ng	99
74) Fluoranthene	12.44	202	157415	6.12	ng	98
77) Pyrene	12.67	202	168922	6.15	ng	98
80) Benzo(a)anthracene	13.86	228	92948	4.10	ng	98
82) Chrysene	13.89	228	62687	2.80	ng	95
83) Bis(2-ethylhexyl)phthalate	13.87	149	42214	2.77	ng	# 98
87) Benzo(b)fluoranthene	14.88	252	104877	4.19	ng	# 90
88) Benzo(k)fluoranthene	14.88	252	104862	5.07	ng	# 94
89) Benzo(a)pyrene	15.20	252	62458	2.89	ng	# 89

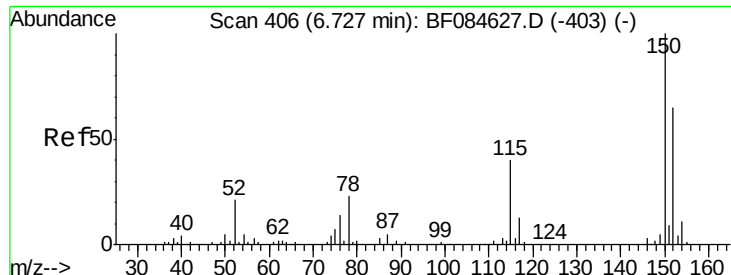
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084683.D

Acq: 30 Jan 2016 13:54

Instrument :

BNA_F

ClientSampleId :

SUP-B010(10-12)

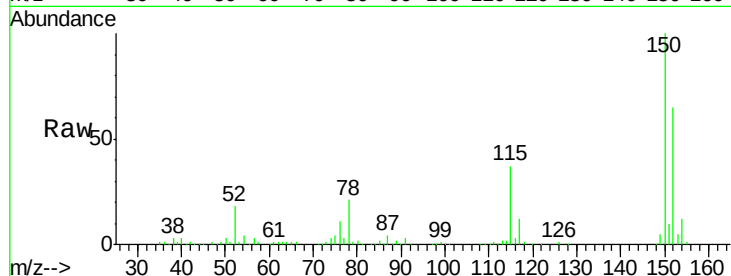
Tgt Ion:152 Resp: 180932

Ion Ratio Lower Upper

152 100

150 153.2 123.0 184.4

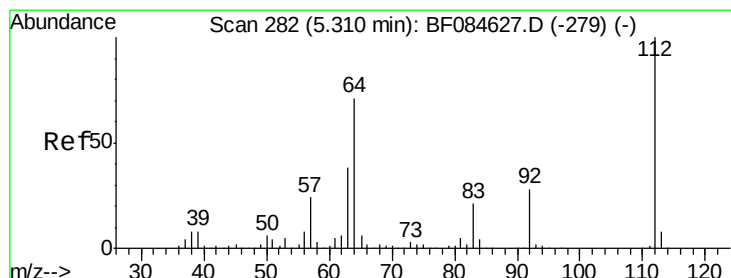
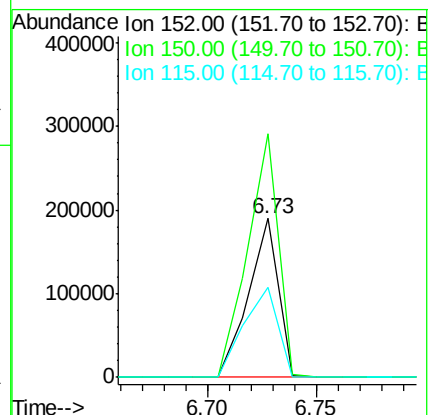
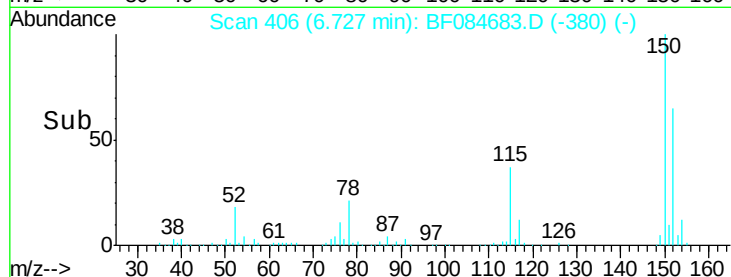
115 56.7 51.4 77.2



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



#5

2-Fluorophenol

Concen: 94.58 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

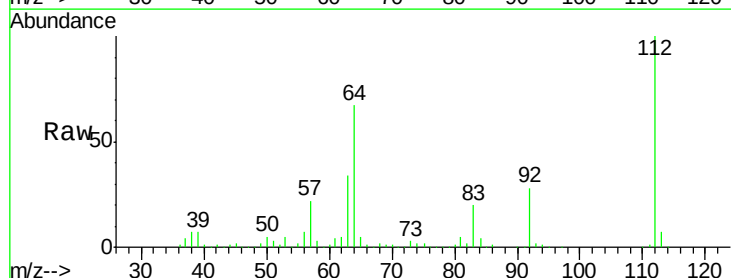
Tgt Ion:112 Resp: 1133711

Ion Ratio Lower Upper

112 100

64 66.6 36.6 55.0#

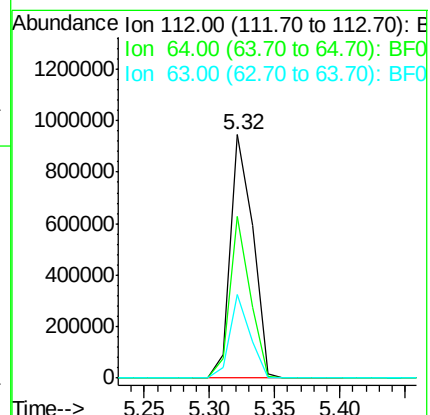
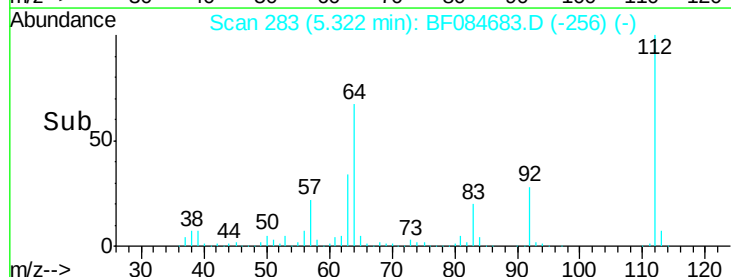
63 34.5 19.4 29.0#

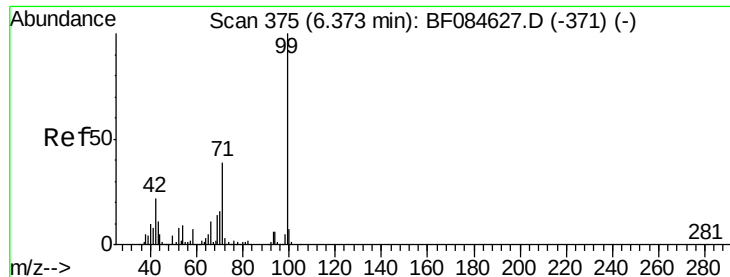


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.69 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

Instrument :

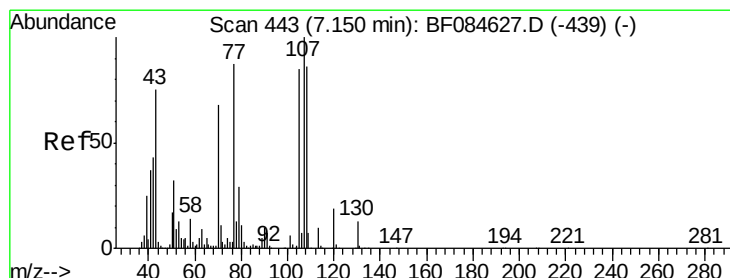
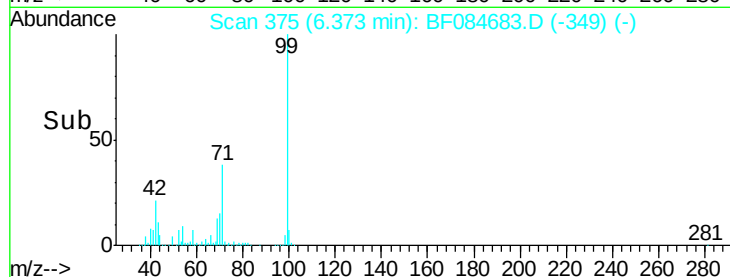
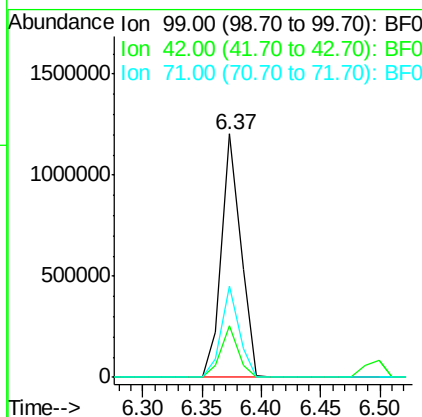
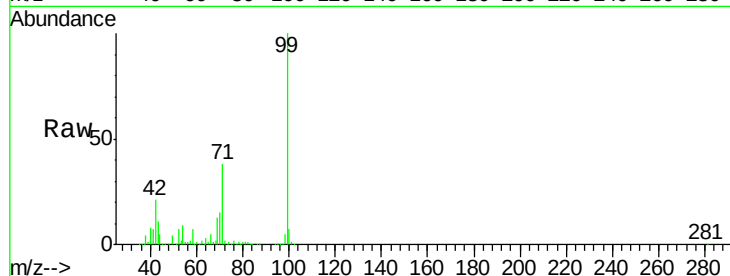
BNA_F

ClientSampleId :

SUP-B010(10-12)

Tgt Ion: 99 Resp: 1360323

Ion	Ratio	Lower	Upper
99	100		
42	21.4	12.8	19.2#
71	37.7	30.9	46.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.63 ng

RT: 7.29 min Scan# 455

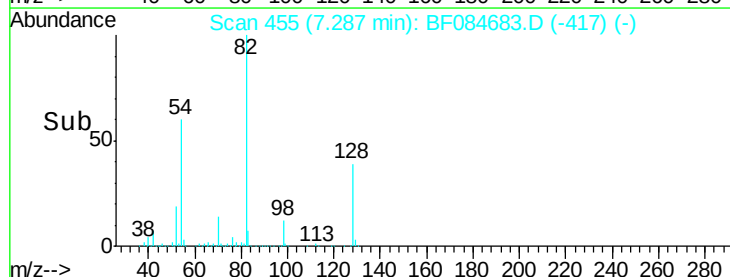
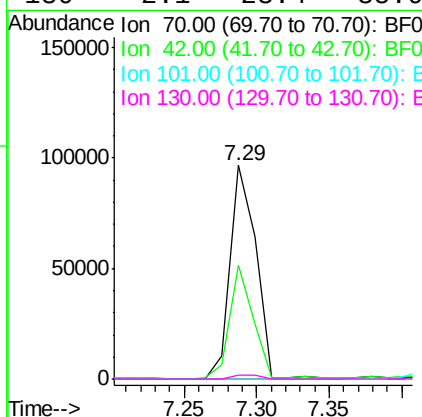
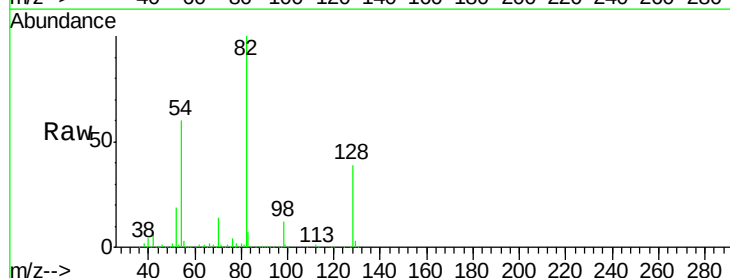
Delta R.T. 0.14 min

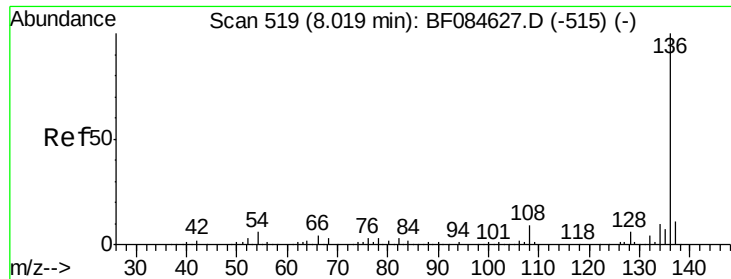
Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

Tgt Ion: 70 Resp: 119605

Ion	Ratio	Lower	Upper
70	100		
42	53.3	33.3	49.9#
101	0.0	9.3	13.9#
130	2.1	23.4	35.0#

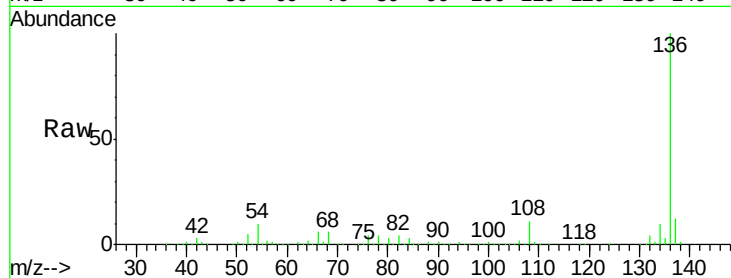




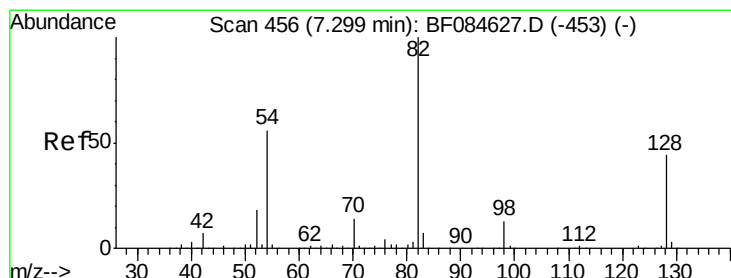
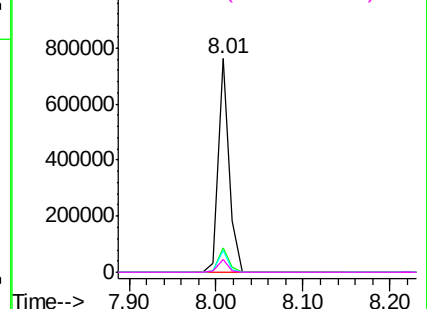
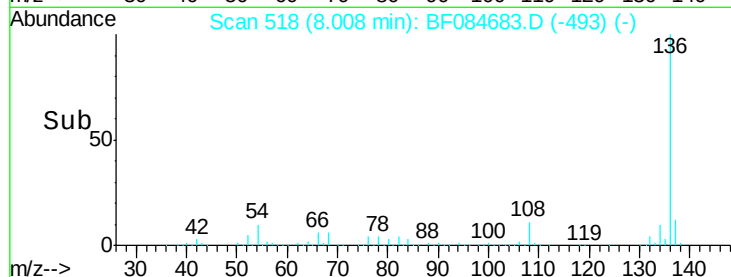
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084683.D
Acq: 30 Jan 2016 13:54

Instrument :
BNA_F
ClientSampleId :
SUP-B010(10-12)

Tgt Ion:	136	Resp:	673962
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.7	13.1
54	10.1	5.8	8.8#
68	5.7	4.2	6.2

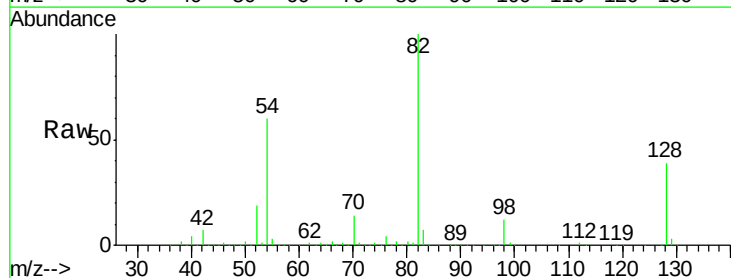


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

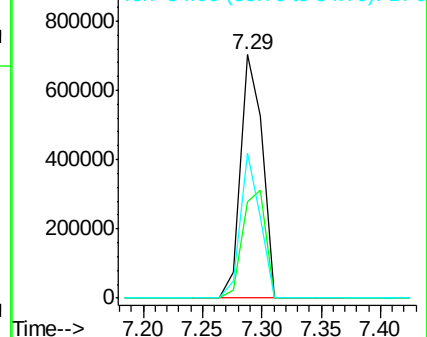
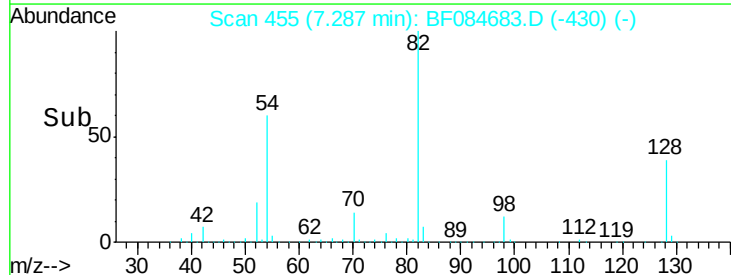


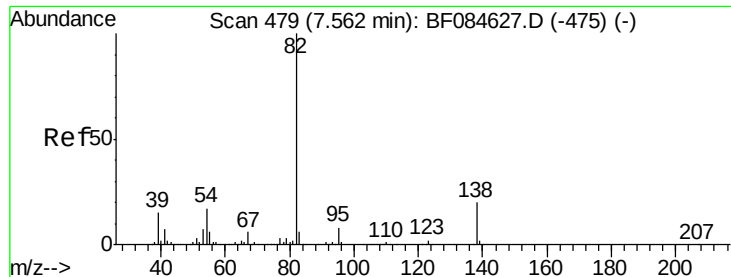
#23
Nitrobenzene-d5
Concen: 74.51 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084683.D
Acq: 30 Jan 2016 13:54

Tgt Ion:	82	Resp:	898503
Ion	Ratio	Lower	Upper
82	100		
128	39.5	34.6	51.8
54	59.5	38.4	57.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.36 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

Instrument :

BNA_F

ClientSampleId :

SUP-B010(10-12)

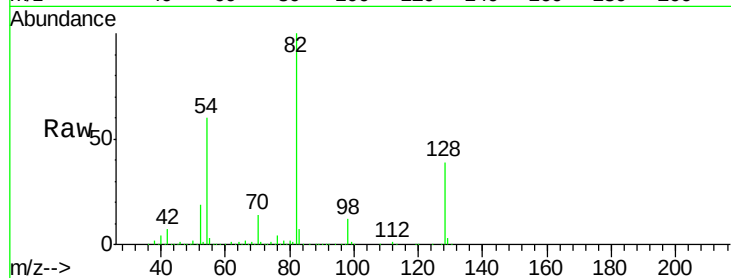
Tgt Ion: 82 Resp: 844060

Ion Ratio Lower Upper

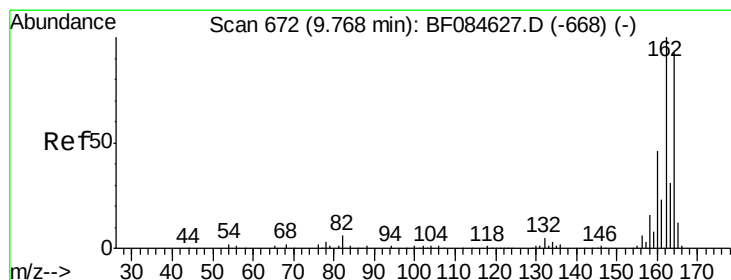
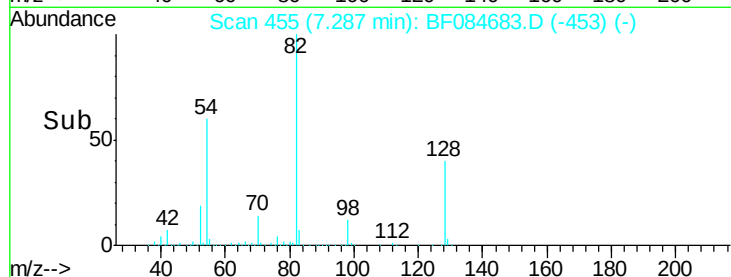
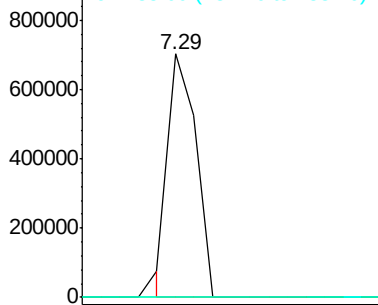
82 100

95 0.0 6.6 10.0#

138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

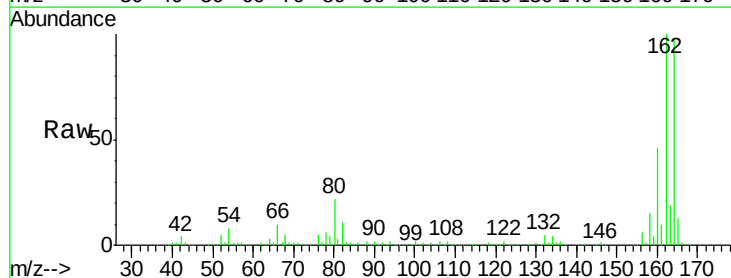
Tgt Ion: 164 Resp: 288681

Ion Ratio Lower Upper

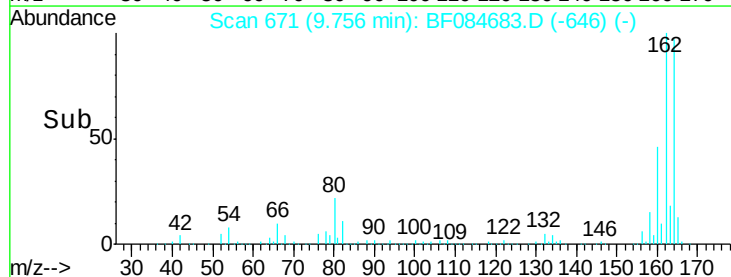
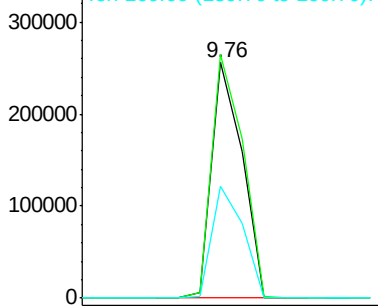
164 100

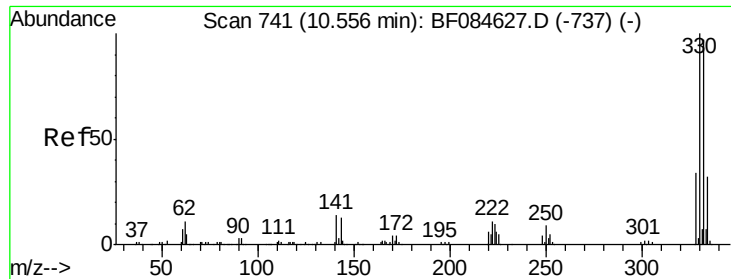
162 103.4 85.1 127.7

160 47.2 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

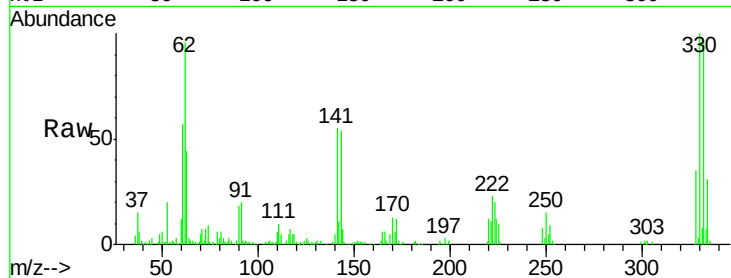




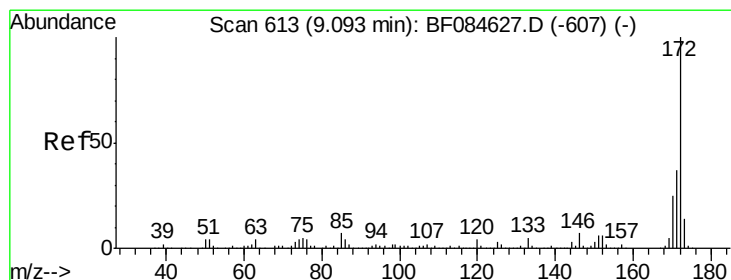
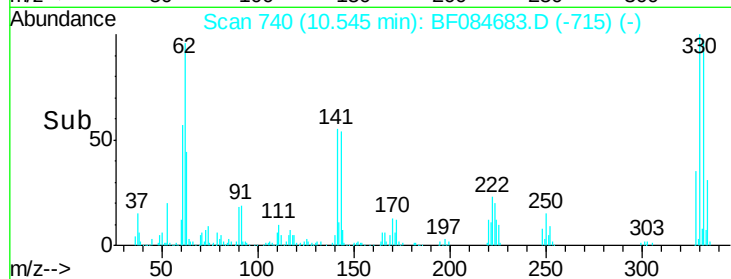
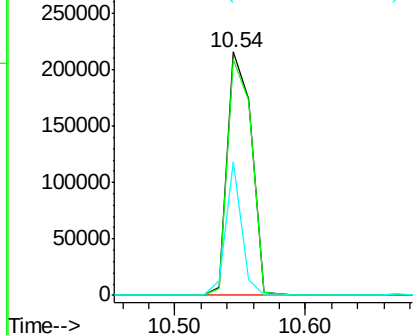
#41
 2,4,6-Tribromophenol
 Concen: 91.28 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084683.D
 Acq: 30 Jan 2016 13:54

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B010(10-12)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	114.8
141	37.2	27.8	41.6

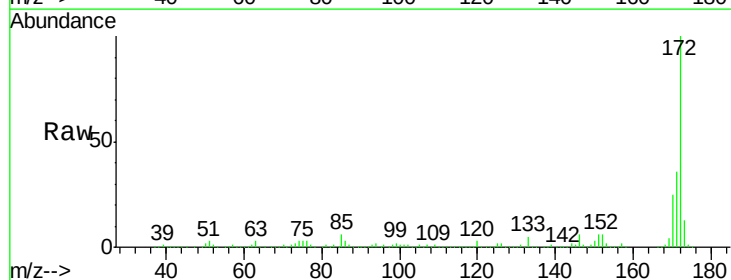


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

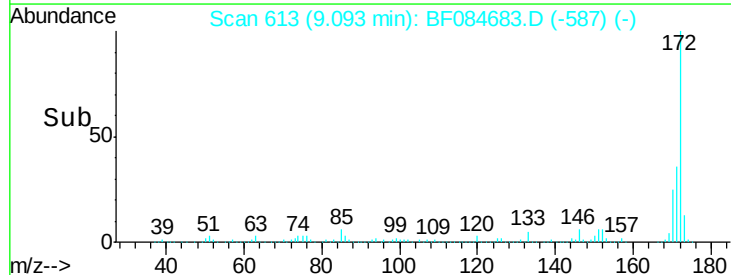
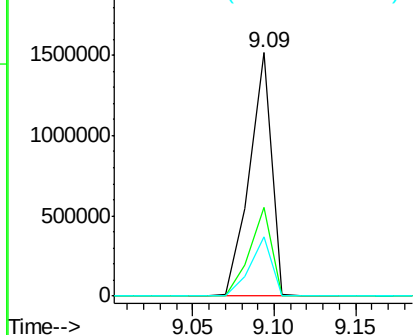


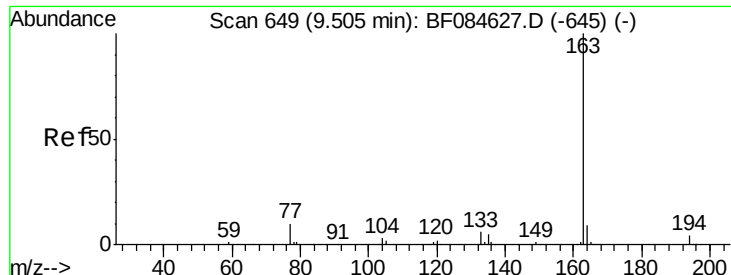
#44
 2-Fluorobiphenyl
 Concen: 73.73 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084683.D
 Acq: 30 Jan 2016 13:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.9	43.3
170	24.5	18.6	27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

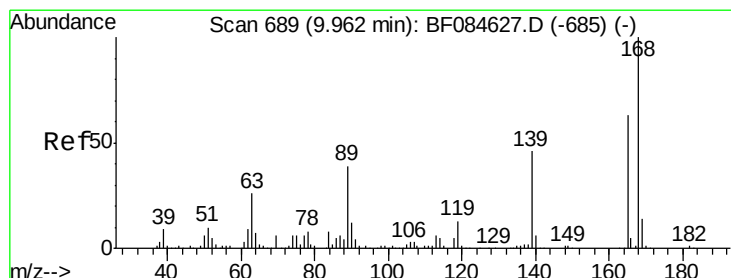
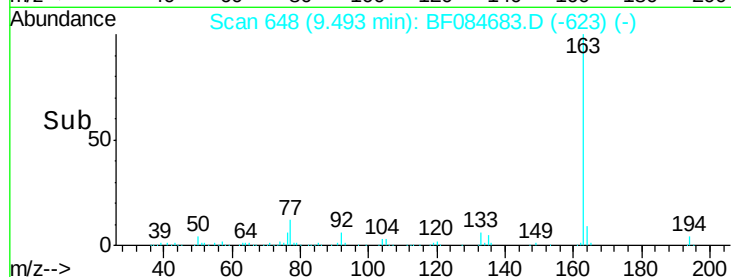
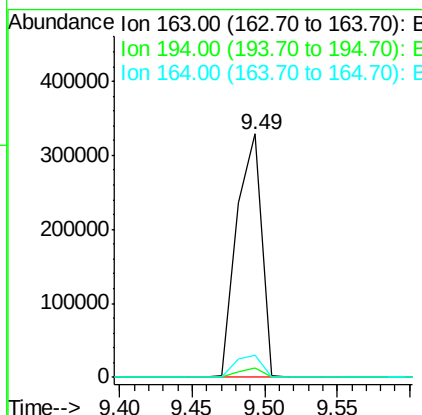
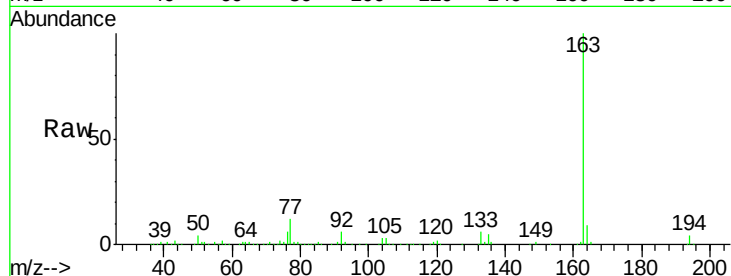




#49
Dimethylphthalate
Concen: 18.10 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF084683.D
Acq: 30 Jan 2016 13:54

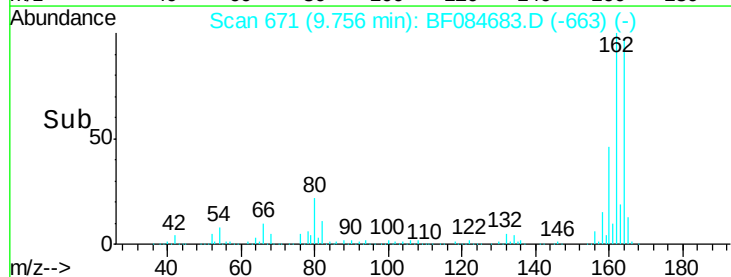
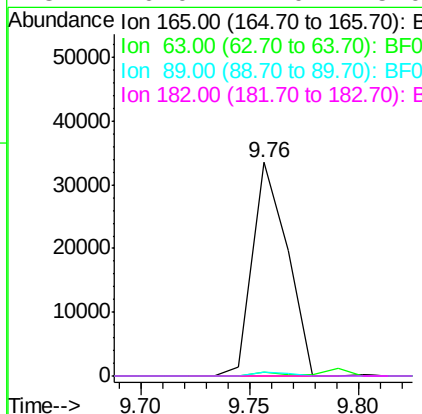
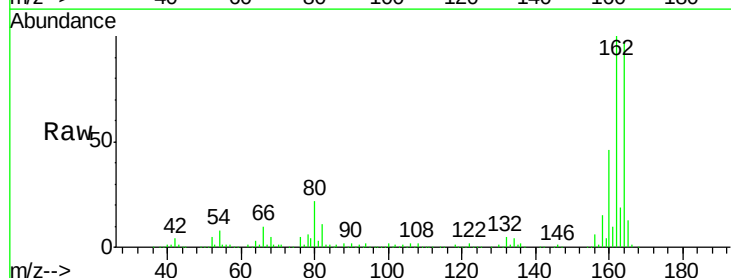
Instrument :
BNA_F
ClientSampleId :
SUP-B010(10-12)

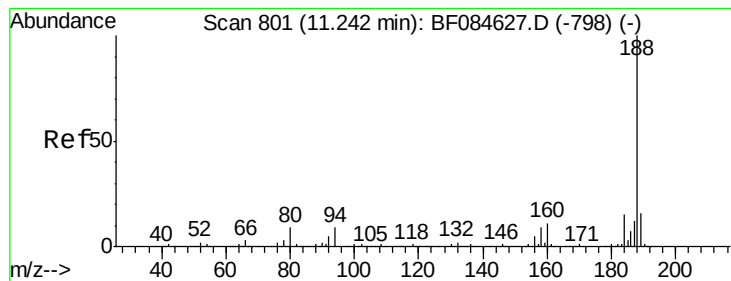
Tgt Ion:163 Resp: 392065
Ion Ratio Lower Upper
163 100
194 3.9 8.0 12.0#
164 9.3 8.0 12.0



#56
2,4-Dinitrotoluene
Concen: 6.05 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.21 min
Lab File: BF084683.D
Acq: 30 Jan 2016 13:54

Tgt Ion:165 Resp: 37473
Ion Ratio Lower Upper
165 100
63 1.8 36.7 55.1#
89 1.5 61.9 92.9#
182 0.0 2.0 3.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

Instrument :

BNA_F

ClientSampleId :

SUP-B010(10-12)

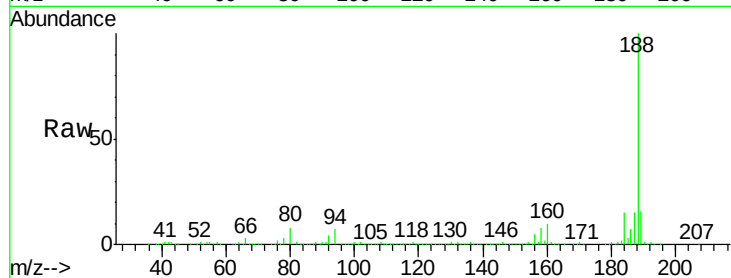
Tgt Ion:188 Resp: 470486

Ion Ratio Lower Upper

188 100

94 7.2 9.0 13.4#

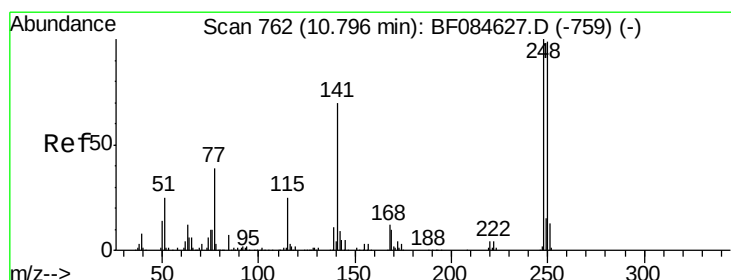
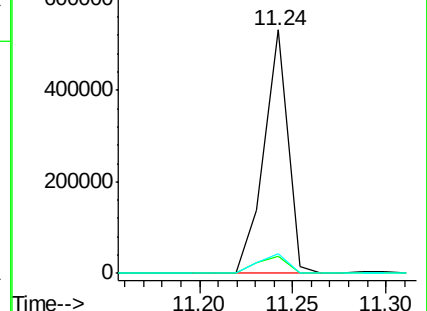
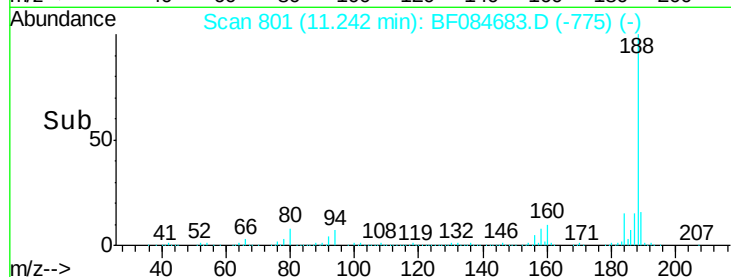
80 7.8 9.6 14.4#



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



#66

4-Bromophenyl-phenylether

Concen: 3.21 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.25 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

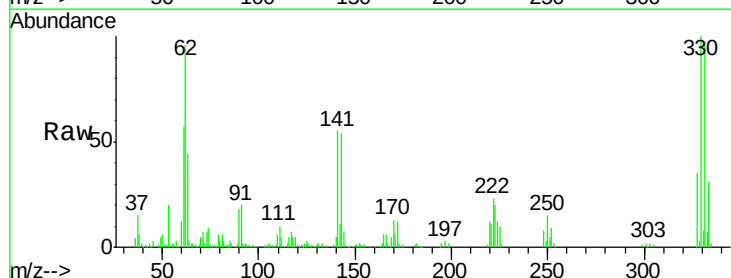
Tgt Ion:248 Resp: 16989

Ion Ratio Lower Upper

248 100

250 179.7 78.4 117.6#

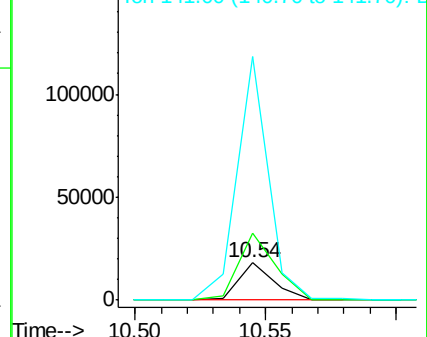
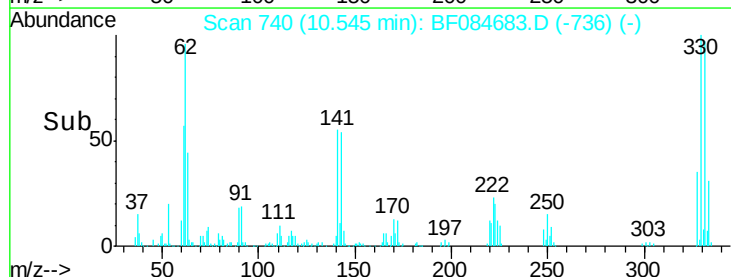
141 654.9 44.0 66.0#

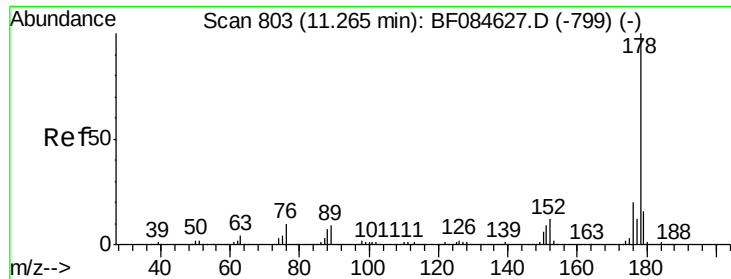


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 6.46 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

Instrument :

BNA_F

ClientSampleId :

SUP-B010(10-12)

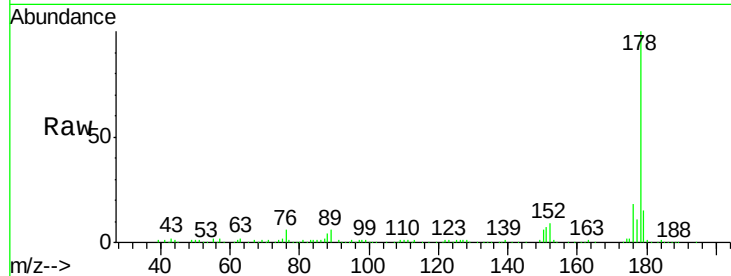
Tgt Ion:178 Resp: 168189

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

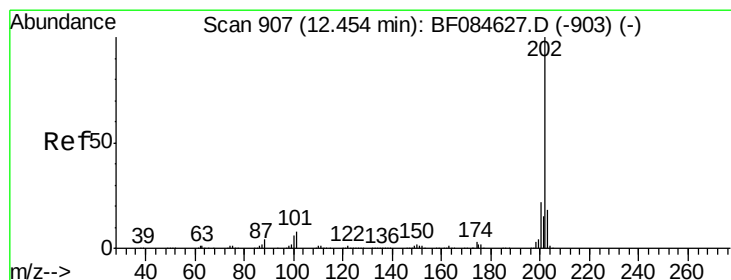
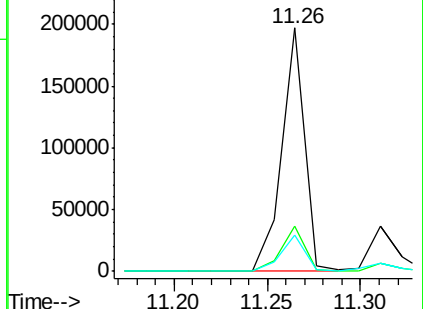
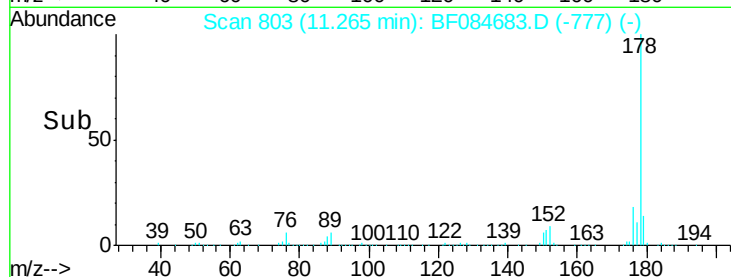
179 14.8 12.0 18.0



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



#74

Fluoranthene

Concen: 6.12 ng

RT: 12.44 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

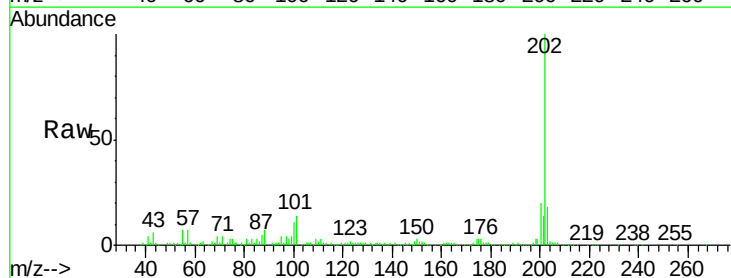
Tgt Ion:202 Resp: 157415

Ion Ratio Lower Upper

202 100

101 14.0 0.0 32.8

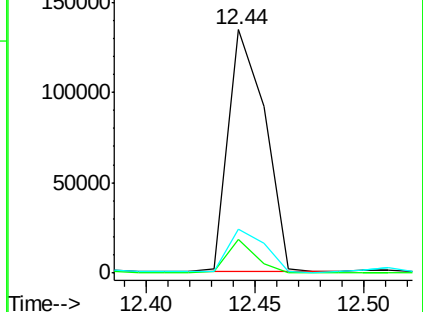
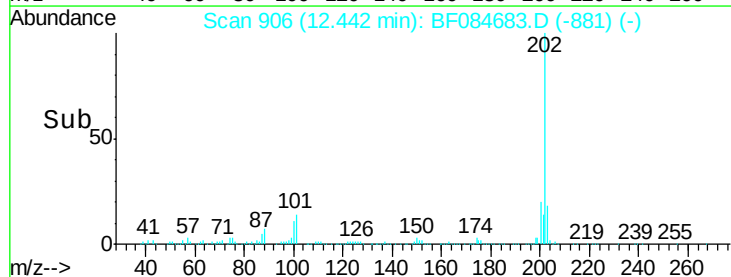
203 18.1 0.0 37.9

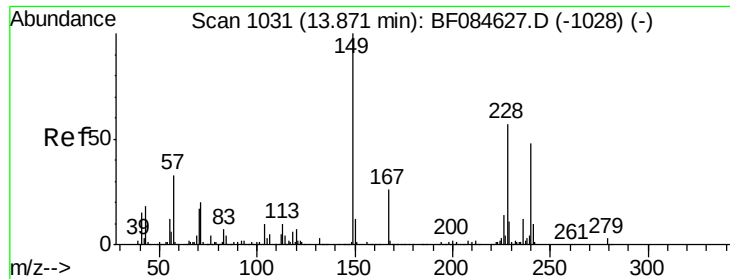


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

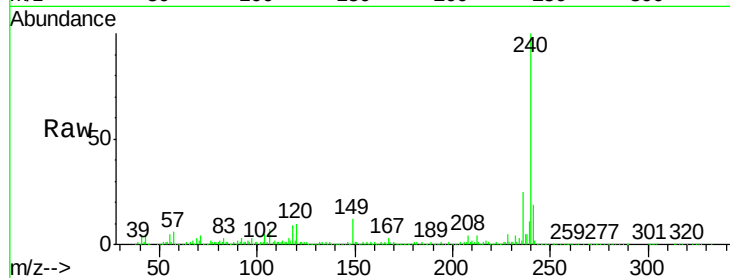




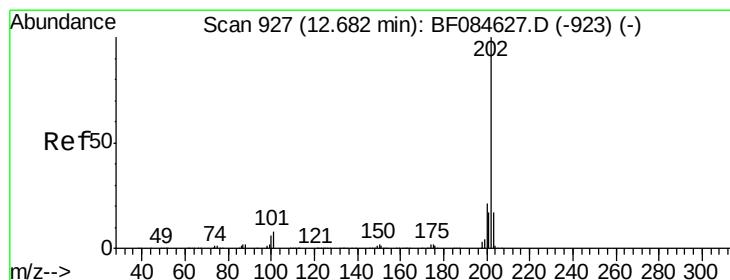
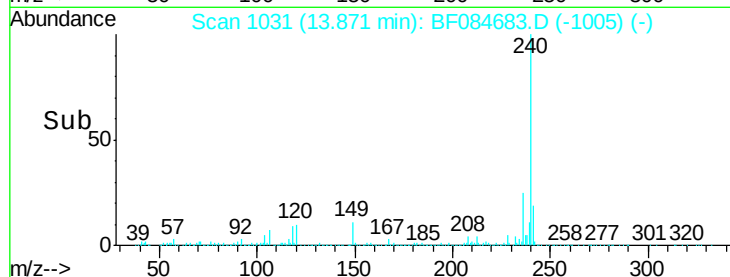
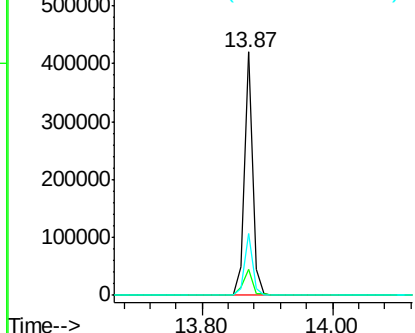
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF084683.D
Acq: 30 Jan 2016 13:54

Instrument :
BNA_F
ClientSampleId :
SUP-B010(10-12)

Tgt Ion:240 Resp: 364056
Ion Ratio Lower Upper
240 100
120 10.4 9.5 14.3
236 25.2 20.6 31.0

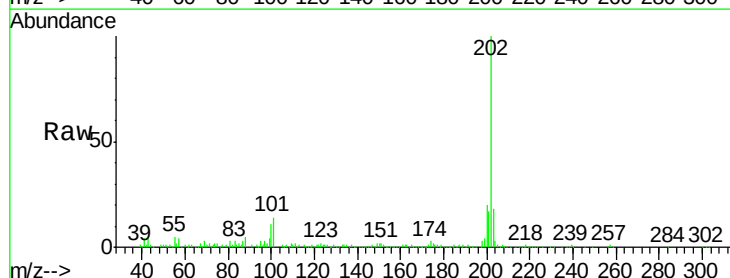


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

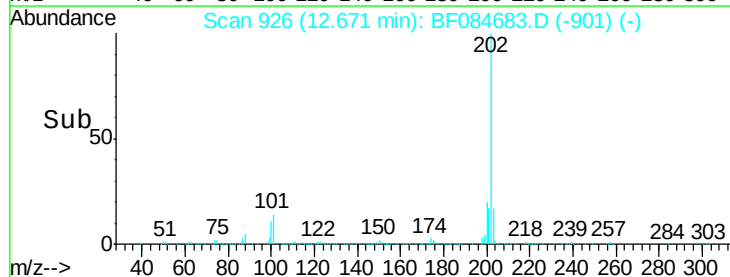
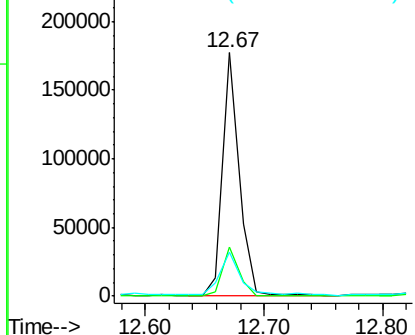


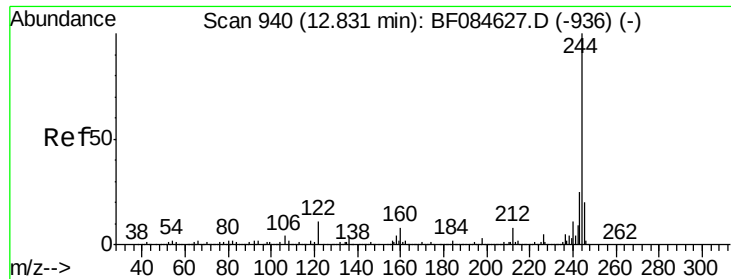
#77
Pyrene
Concen: 6.15 ng
RT: 12.67 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF084683.D
Acq: 30 Jan 2016 13:54

Tgt Ion:202 Resp: 168922
Ion Ratio Lower Upper
202 100
200 20.3 17.2 25.8
203 18.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.99 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

Instrument :

BNA_F

ClientSampleId :

SUP-B010(10-12)

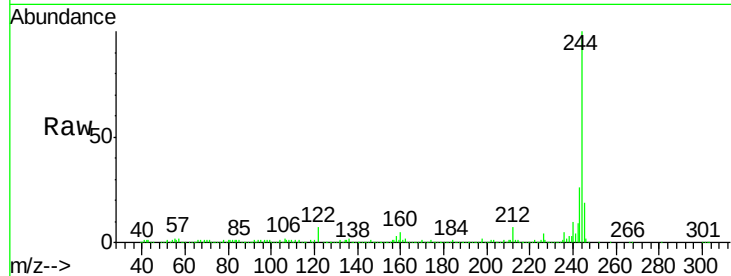
Tgt Ion:244 Resp: 838028

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

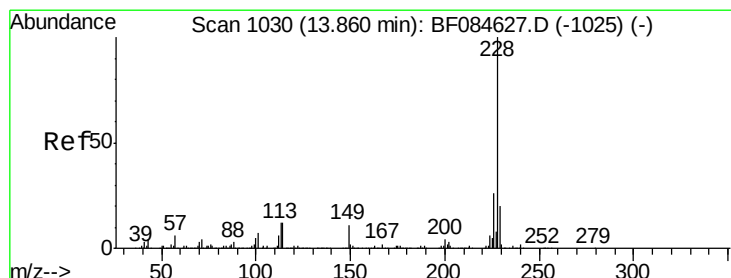
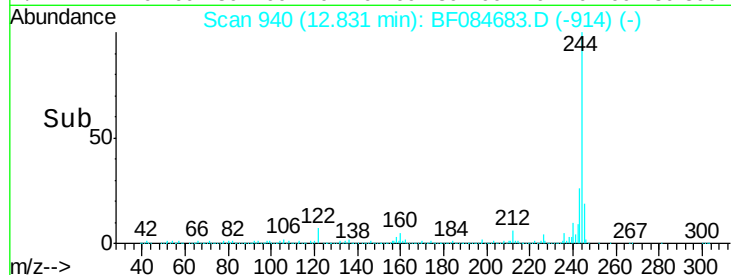
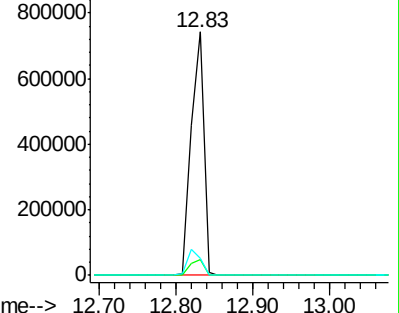
122 6.9 7.4 11.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.10 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

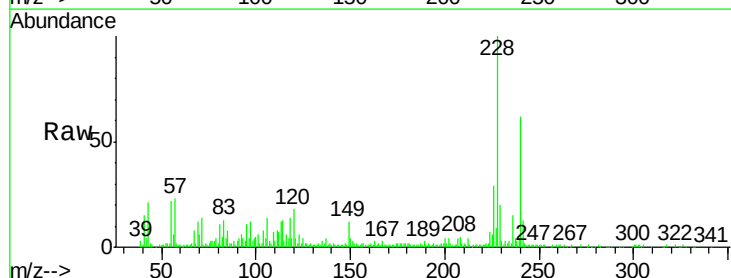
Tgt Ion:228 Resp: 92948

Ion Ratio Lower Upper

228 100

226 28.9 21.8 32.6

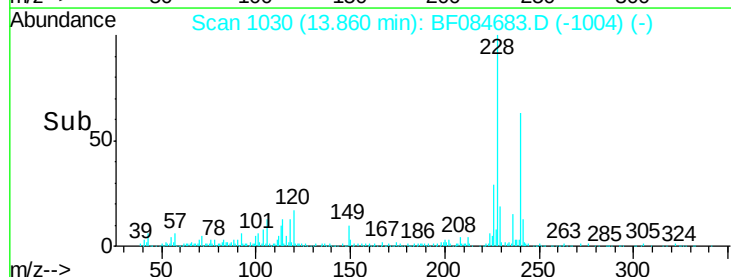
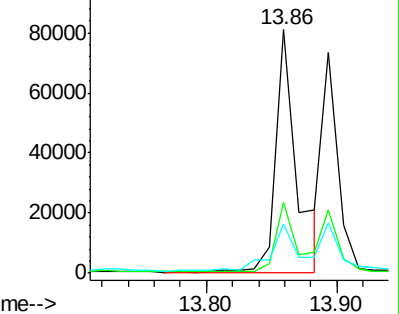
229 20.2 15.8 23.8

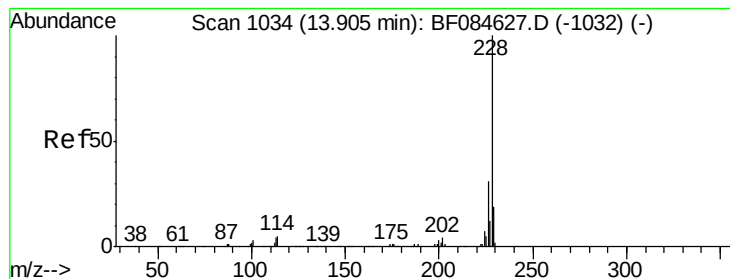


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.80 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

Instrument :

BNA_F

ClientSampleId :

SUP-B010(10-12)

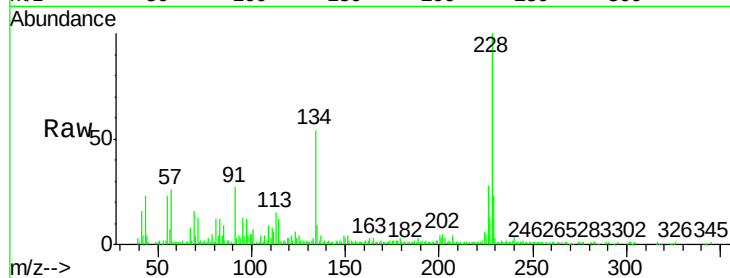
Tgt Ion:228 Resp: 62687

Ion Ratio Lower Upper

228 100

226 28.5 24.3 36.5

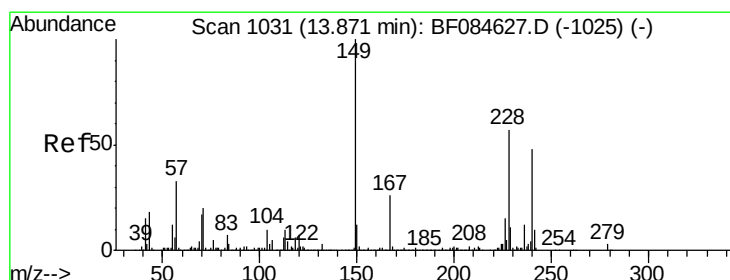
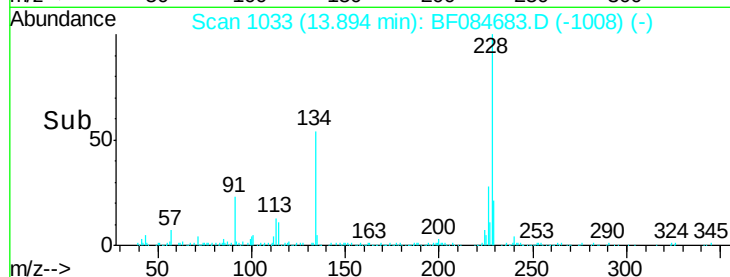
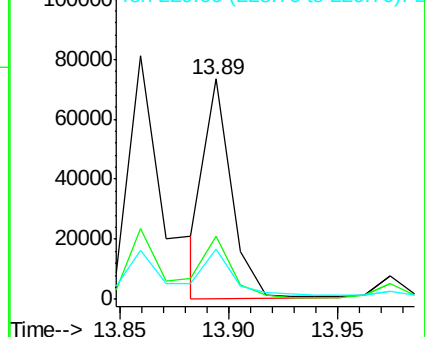
229 23.0 16.1 24.1



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: 2.77 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084683.D

Acq: 30 Jan 2016 13:54

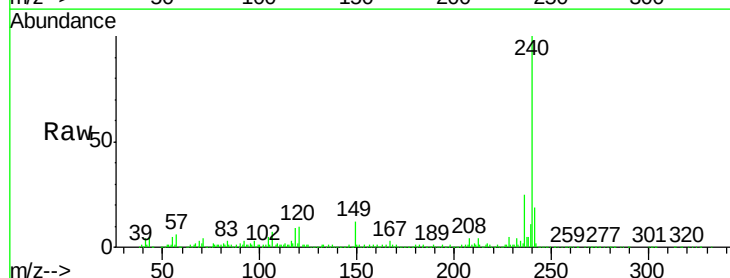
Tgt Ion:149 Resp: 42214

Ion Ratio Lower Upper

149 100

167 25.9 19.7 29.5

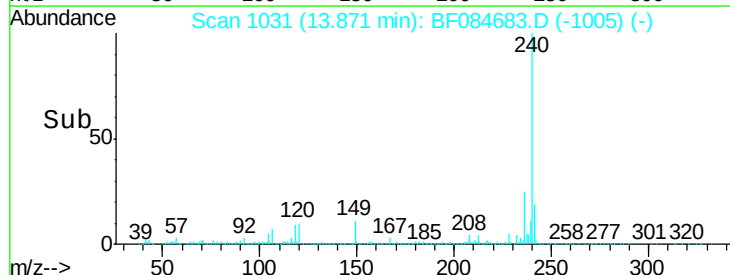
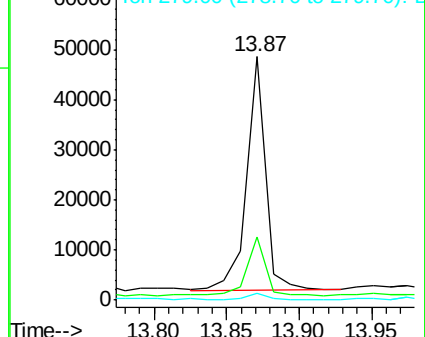
279 2.8 1.8 2.6#

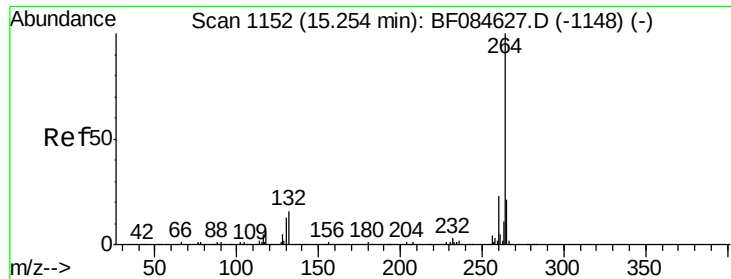


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



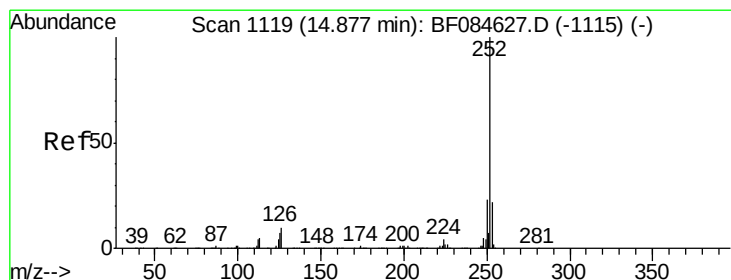
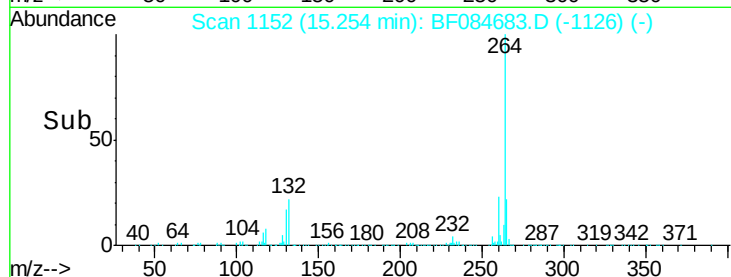
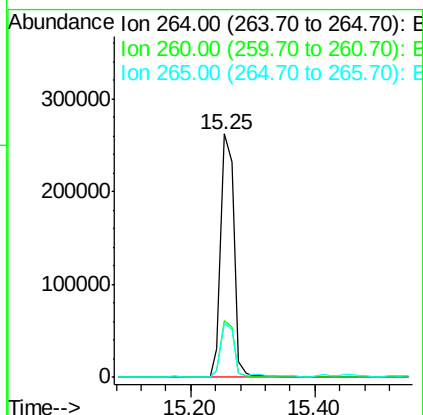
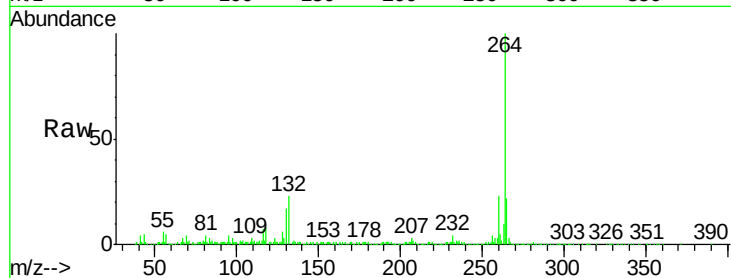


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF084683.D
Acq: 30 Jan 2016 13:54

Instrument :
BNA_F
ClientSampleId :
SUP-B010(10-12)

Tgt Ion: 264 Resp: 386391

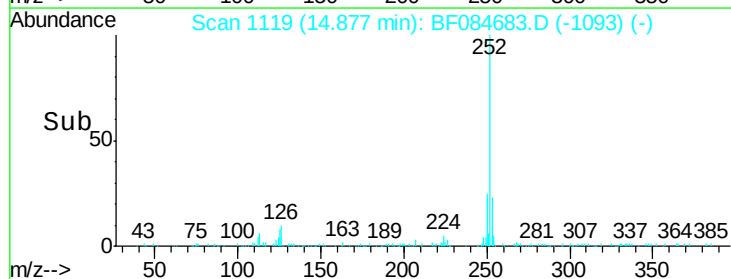
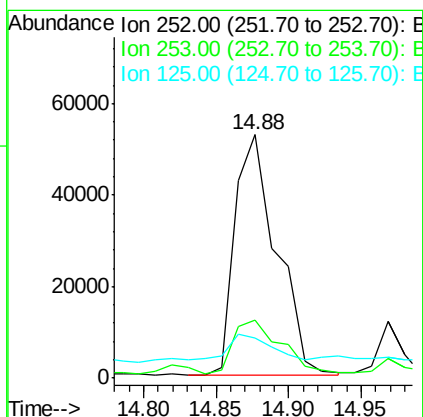
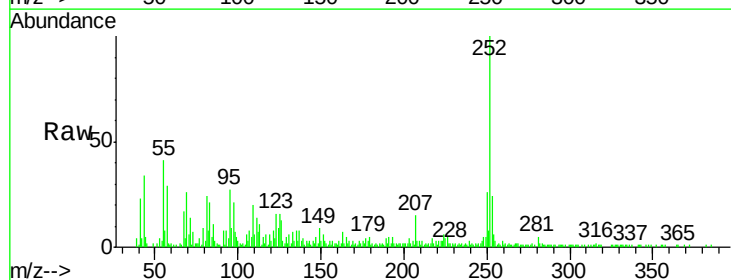
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	22.0	17.8	26.6

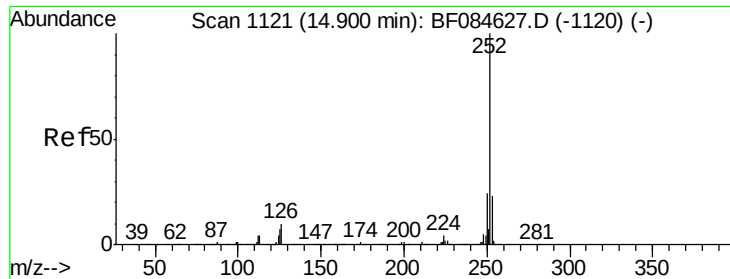


#87
Benzo(b)fluoranthene
Concen: 4.19 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF084683.D
Acq: 30 Jan 2016 13:54

Tgt Ion: 252 Resp: 104877

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	16.5	6.5	9.7#

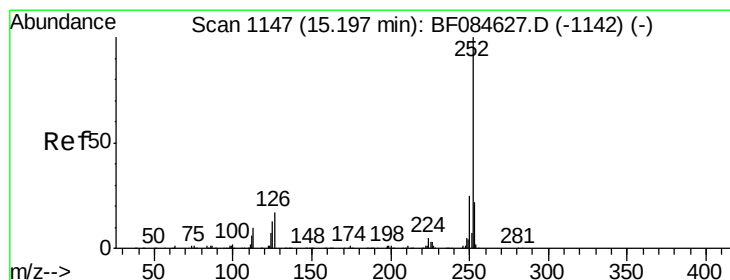
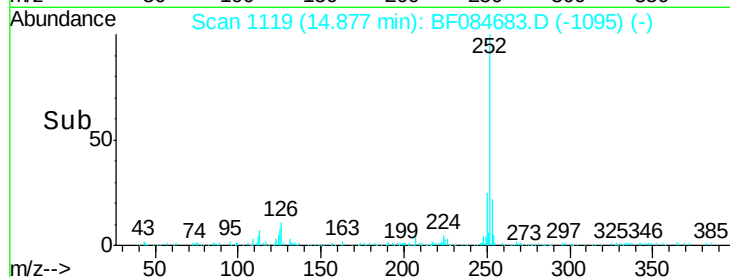
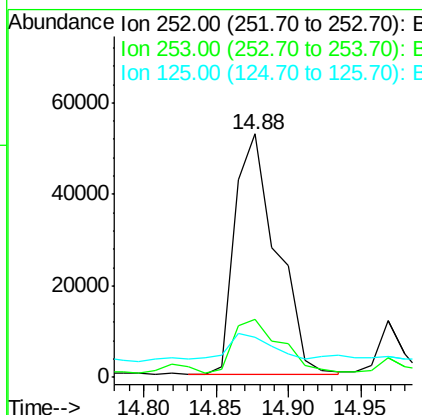
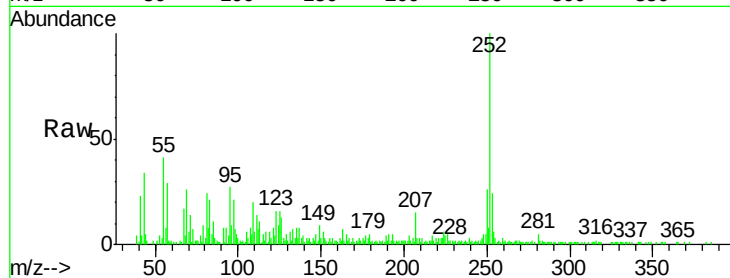




#88
Benzo(k)fluoranthene
Concen: 5.07 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF084683.D
Acq: 30 Jan 2016 13:54

Instrument :
BNA_F
ClientSampleId :
SUP-B010(10-12)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	16.5	9.0	13.6



#89
Benzo(a)pyrene
Concen: 2.89 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF084683.D
Acq: 30 Jan 2016 13:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	18.0	7.0	10.4

