

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
 Data File : BF084730.D
 Acq On : 2 Feb 2016 1:00
 Operator : SJ/IZ
 Sample : H1286-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B024(5-7)

Quant Time: Feb 02 03:36:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

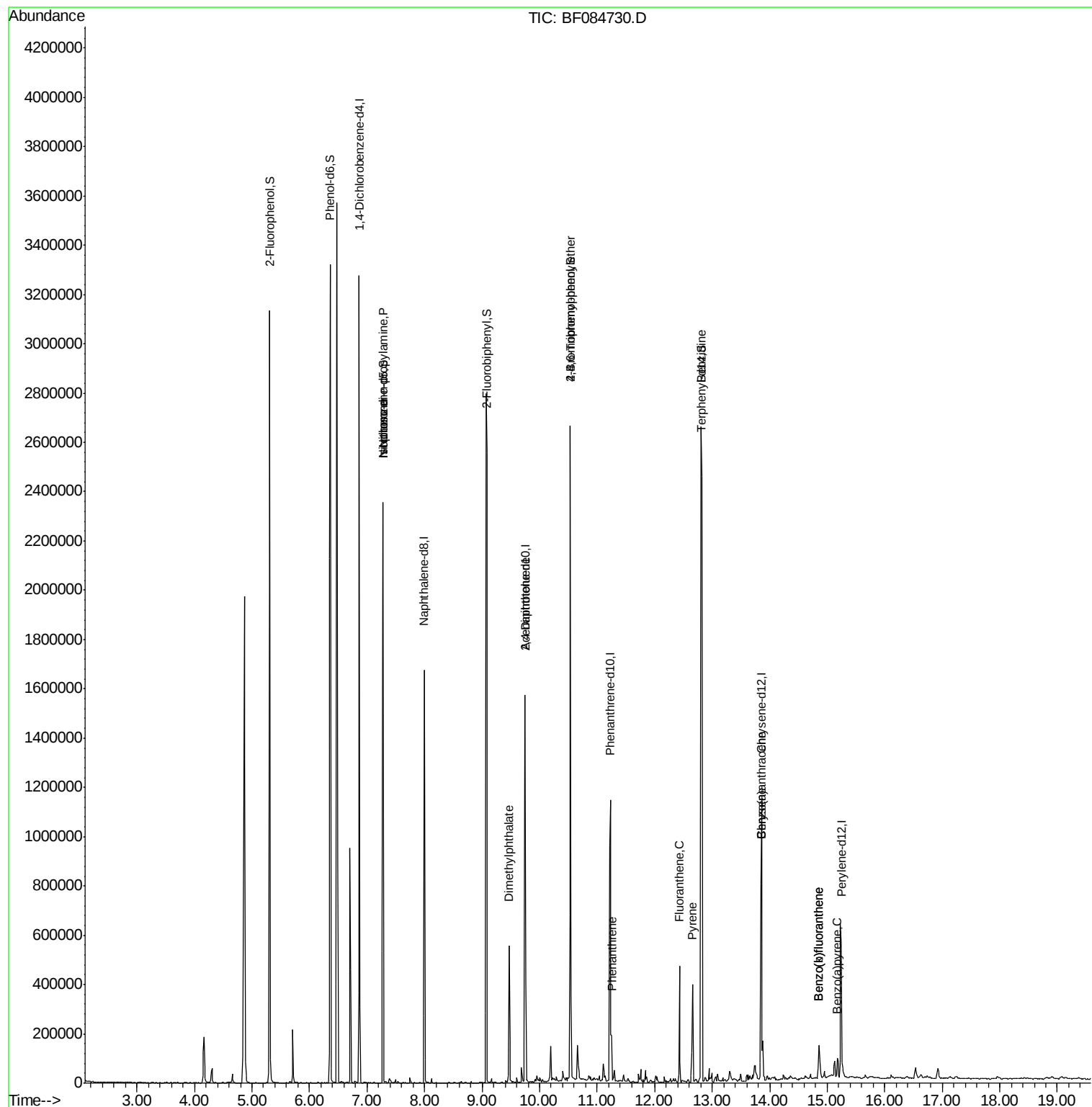
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	432469	20.00	ng	0.14
21) Naphthalene-d8	8.00	136	694327	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	308484	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	591252	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	469423	20.00	ng	-0.01
86) Perylene-d12	15.24	264	335107	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1044401	37.62	ng	0.00
7) Phenol-d6	6.36	99	1362832	39.59	ng	-0.01
23) Nitrobenzene-d5	7.28	82	737800	59.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	297665	92.51	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	1325719	67.63	ng	-0.01
78) Terphenyl-d14	12.82	244	1229826	59.37	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	99798	4.63	ng	# 71
25) Isophorone	7.28	82	613693	25.61	ng	# 66
49) Dimethylphthalate	9.47	163	224551	9.56	ng	# 90
56) 2,4-Dinitrotoluene	9.74	165	40675	6.21	ng	# 21
66) 4-Bromophenyl-phenylether	10.53	248	19826	3.04	ng	# 1
70) Phenanthrene	11.25	178	108281	3.30	ng	99
74) Fluoranthene	12.43	202	179722	5.41	ng	97
76) Benzidine	12.81	184	16136	7.54	ng	# 91
77) Pyrene	12.66	202	155970	4.34	ng	99
80) Benzo(a)anthracene	13.85	228	61534	2.11	ng	93
82) Chrysene	13.85	228	61534	2.18	ng	97
87) Benzo(b)fluoranthene	14.85	252	91090	4.05	ng	# 97
88) Benzo(k)fluoranthene	14.85	252	91090	4.89	ng	99
89) Benzo(a)pyrene	15.17	252	44727	2.33	ng	# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. 0.14 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

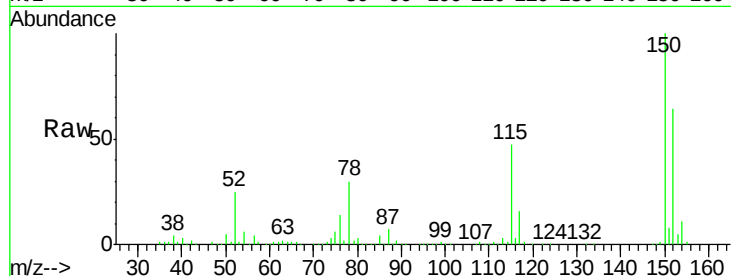
Tgt Ion:152 Resp: 432469

Ion Ratio Lower Upper

152 100

150 155.4 123.0 184.4

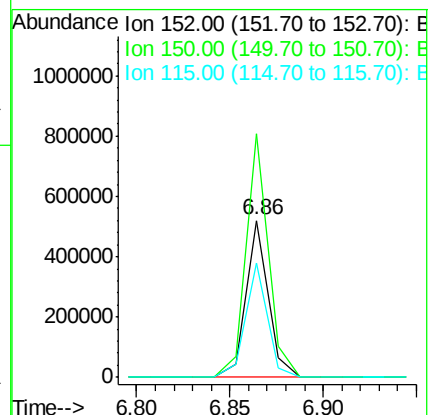
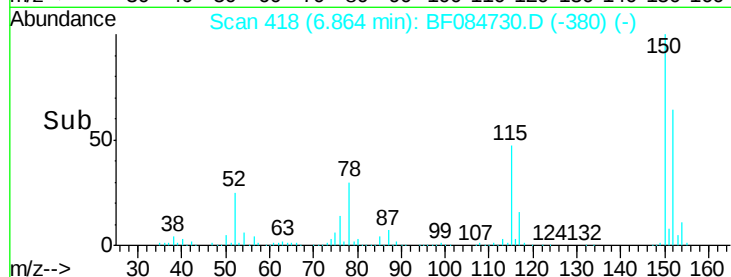
115 73.1 51.4 77.2



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: 37.62 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.00 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

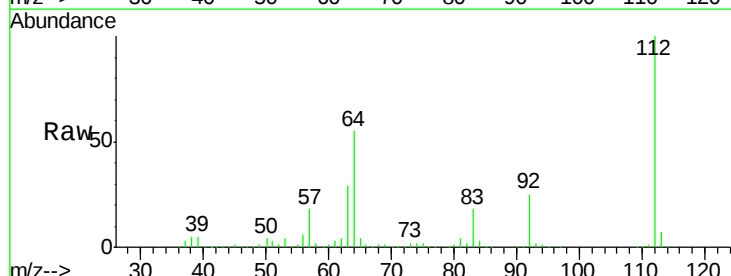
Tgt Ion:112 Resp: 1044401

Ion Ratio Lower Upper

112 100

64 55.5 36.6 55.0#

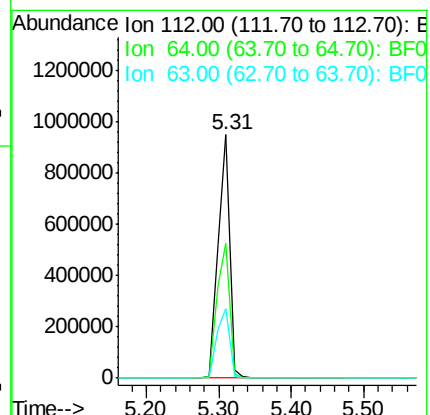
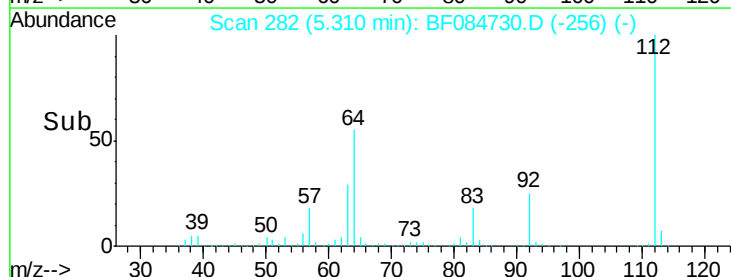
63 28.5 19.4 29.0



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: 39.59 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

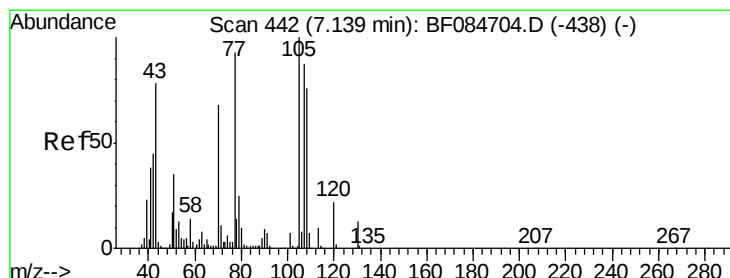
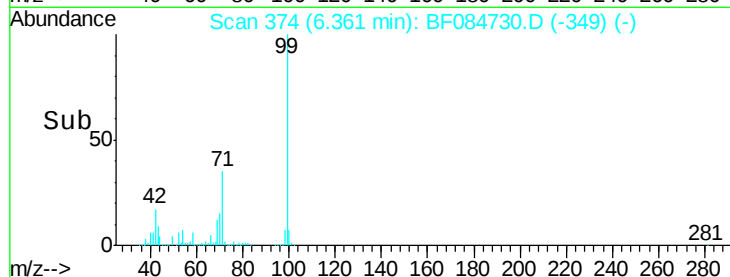
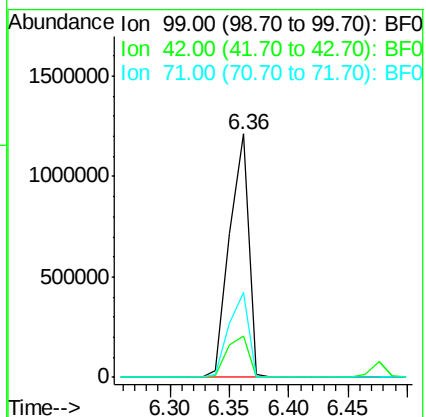
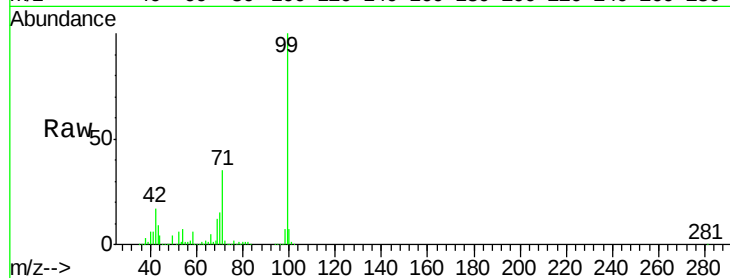
Tgt Ion: 99 Resp: 1362832

Ion Ratio Lower Upper

99 100

42 17.1 12.8 19.2

71 34.7 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 4.63 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Tgt Ion: 70 Resp: 99798

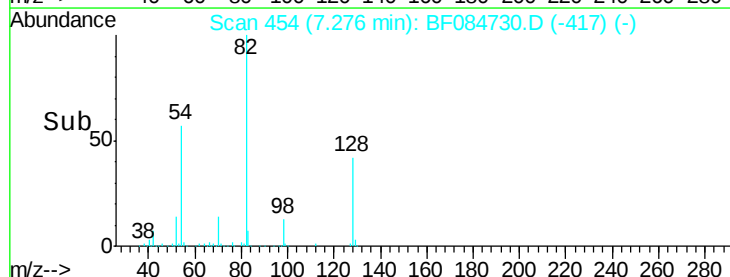
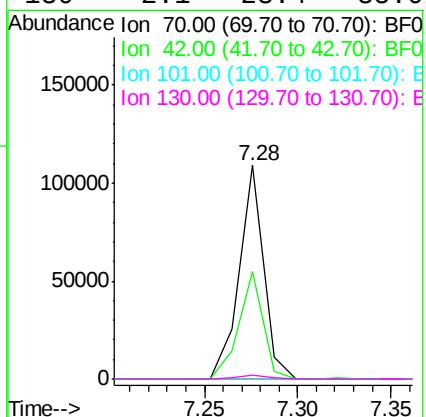
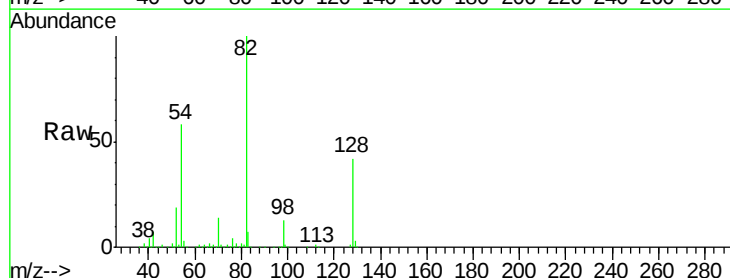
Ion Ratio Lower Upper

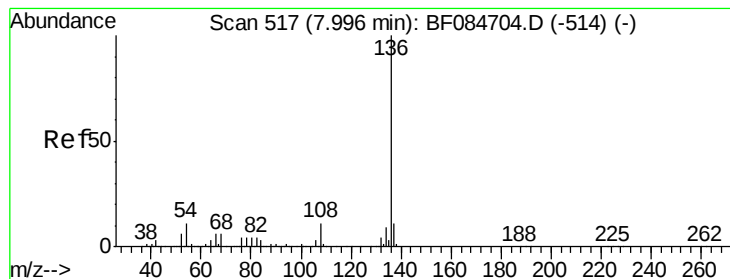
70 100

42 50.6 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: 8.00 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

Tgt Ion: 136 Resp: 694327

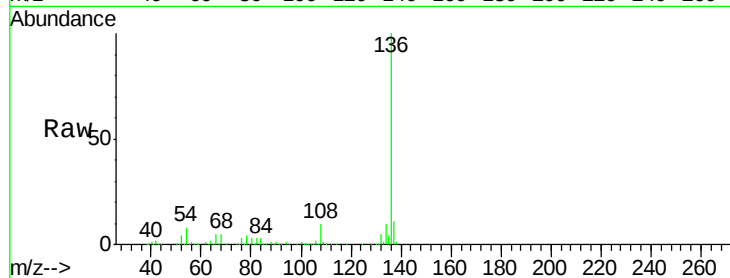
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 8.2 5.8 8.8

68 4.8 4.2 6.2

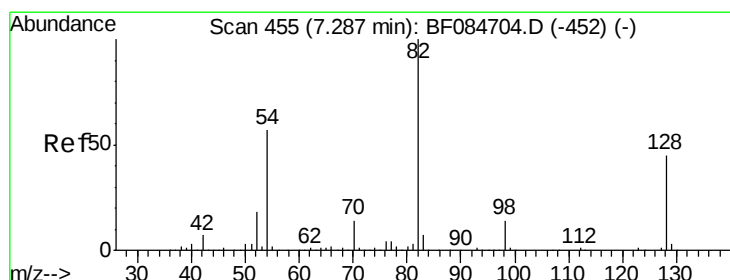
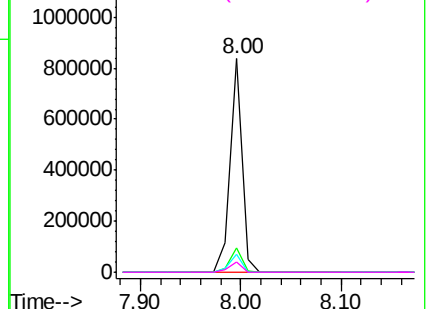
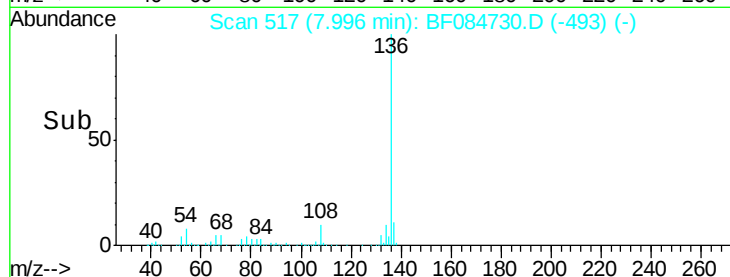


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.86 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

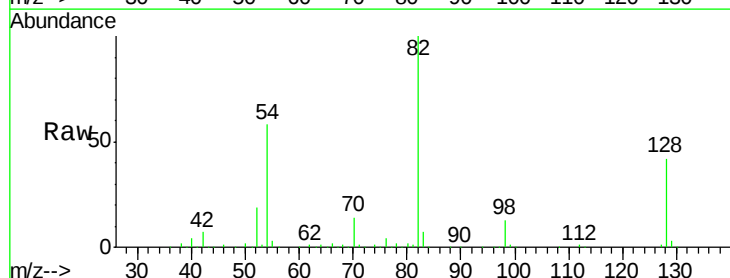
Tgt Ion: 82 Resp: 737800

Ion Ratio Lower Upper

82 100

128 42.1 34.6 51.8

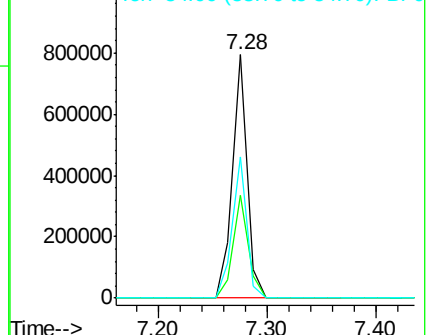
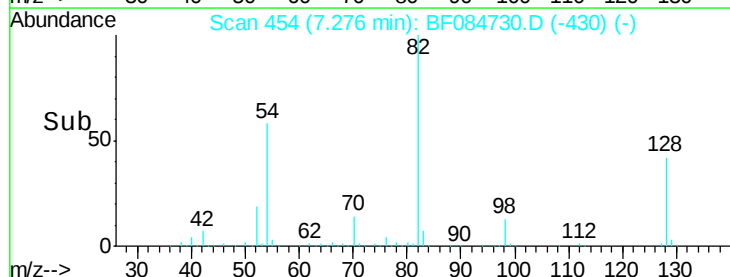
54 57.9 38.4 57.6#

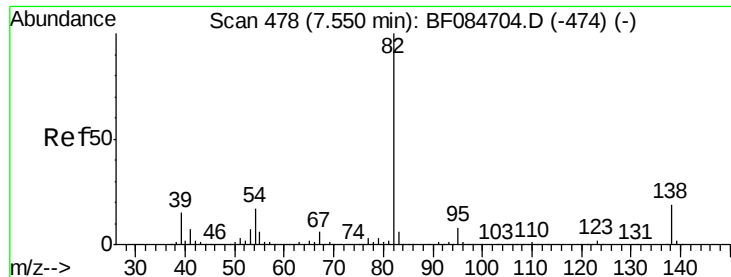


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 25.61 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.29 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

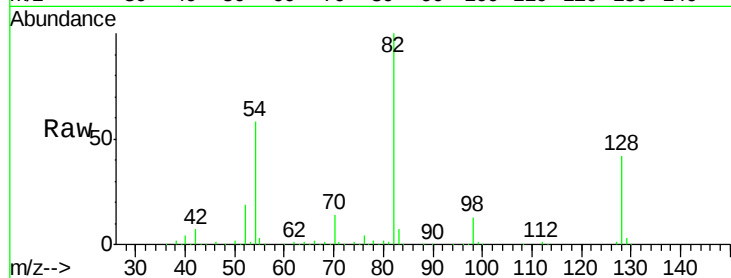
Tgt Ion: 82 Resp: 613693

Ion Ratio Lower Upper

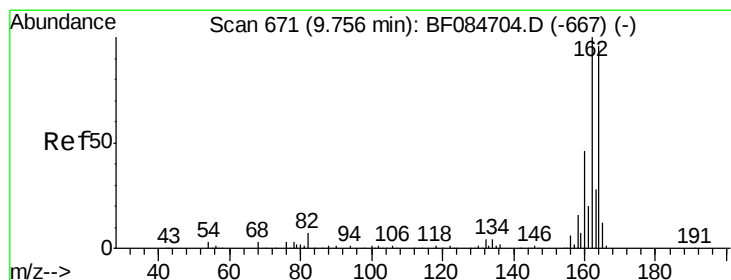
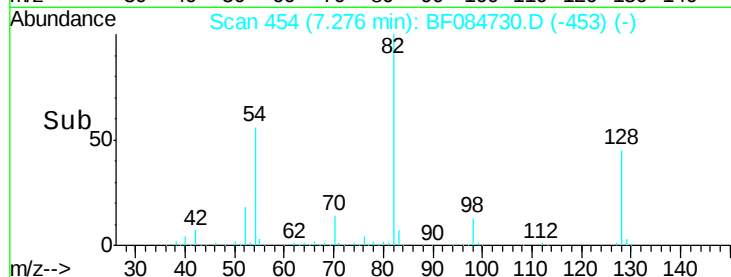
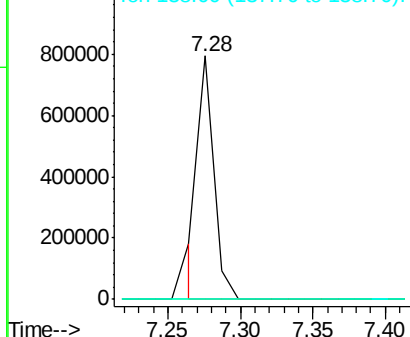
82 100

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: 9.74 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

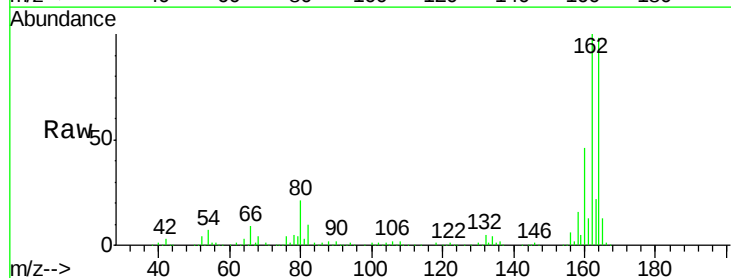
Tgt Ion:164 Resp: 308484

Ion Ratio Lower Upper

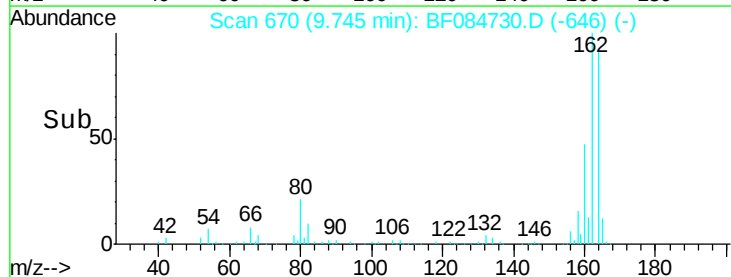
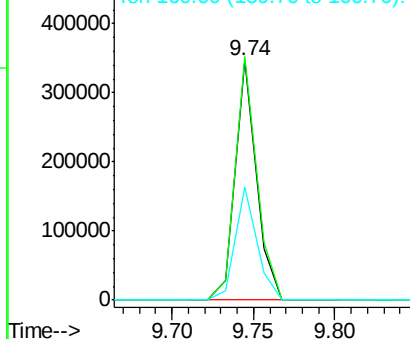
164 100

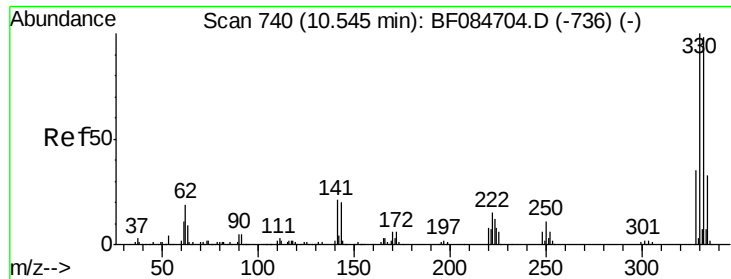
162 101.7 85.1 127.7

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

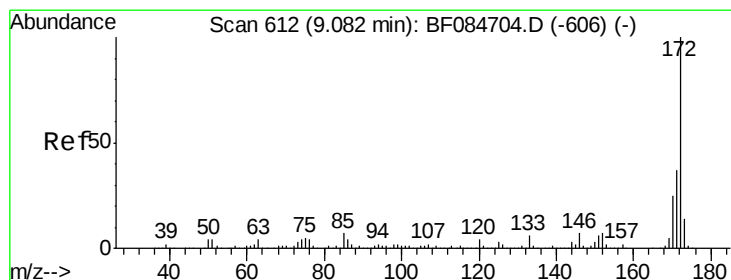
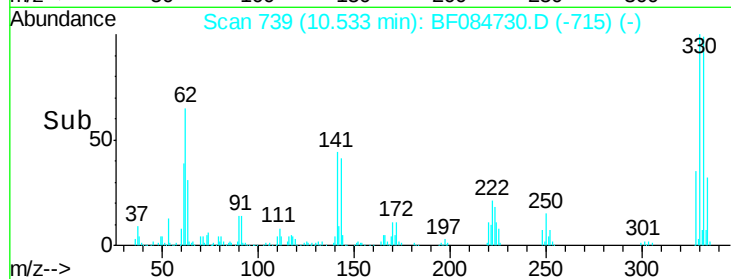
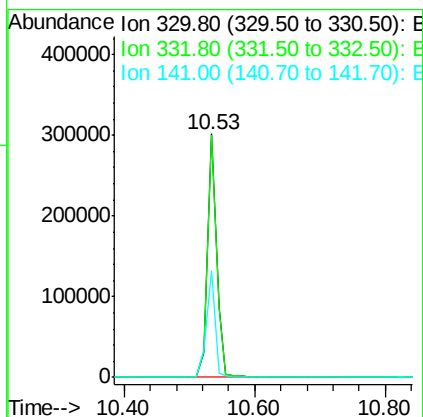
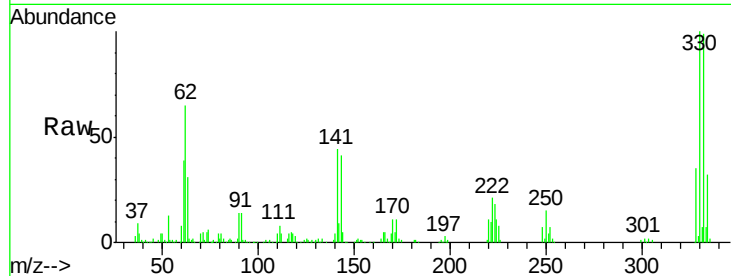




#41
 2,4,6-Tribromophenol
 Concen: 92.51 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084730.D
 Acq: 2 Feb 2016 1:00

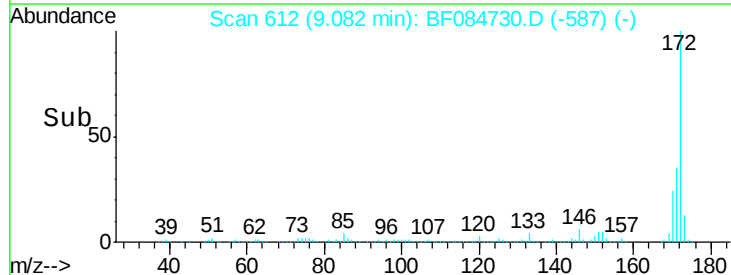
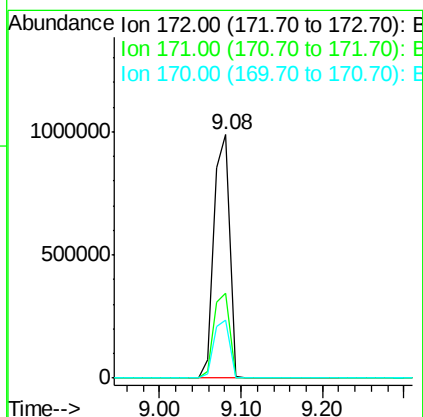
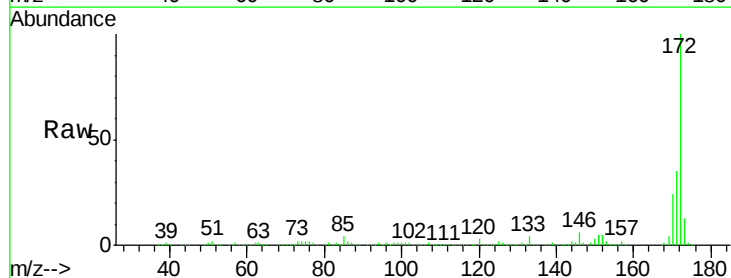
Instrument :
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 SUP-B024(5-7)

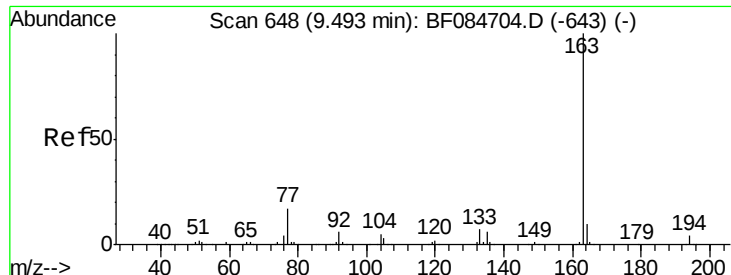
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.9	76.6	114.8
141	40.8	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 67.63 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF084730.D
 Acq: 2 Feb 2016 1:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.9	43.3
170	23.9	18.6	27.8





#49

Dimethylphthalate

Concen: 9.56 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.03 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

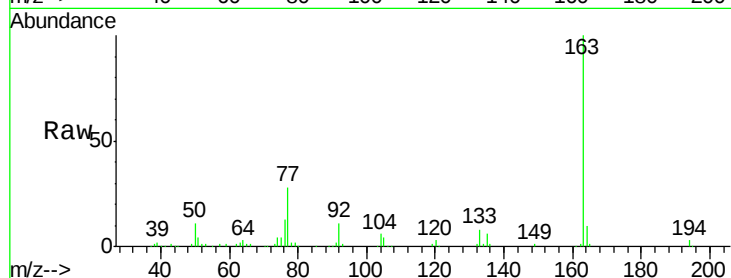
Tgt Ion:163 Resp: 224551

Ion Ratio Lower Upper

163 100

194 3.2 8.0 12.0#

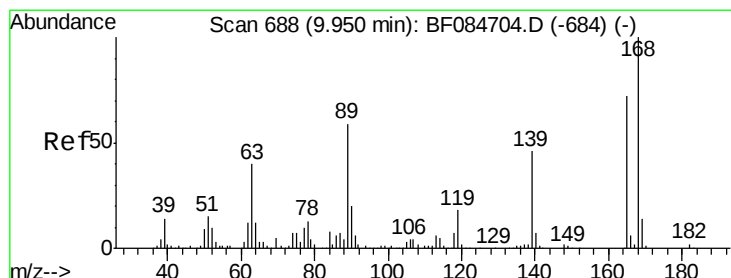
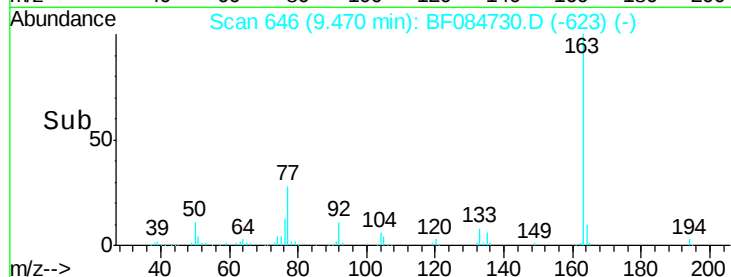
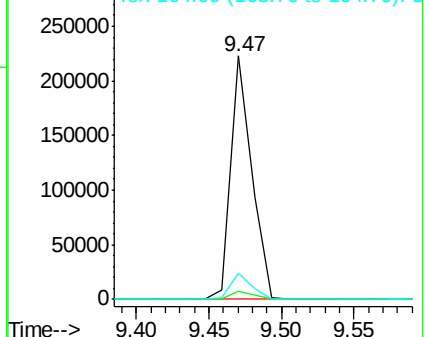
164 10.5 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.21 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.22 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Tgt Ion:165 Resp: 40675

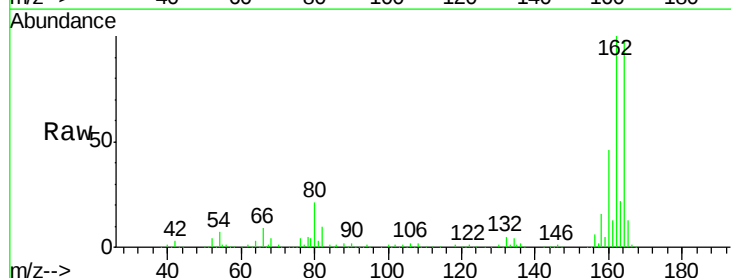
Ion Ratio Lower Upper

165 100

63 1.1 36.7 55.1#

89 1.4 61.9 92.9#

182 0.0 2.0 3.0#

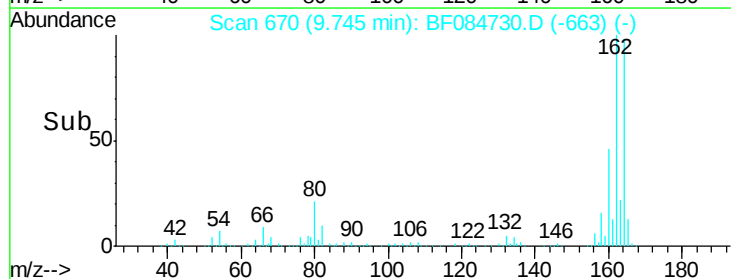
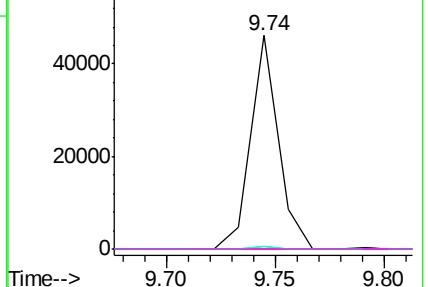


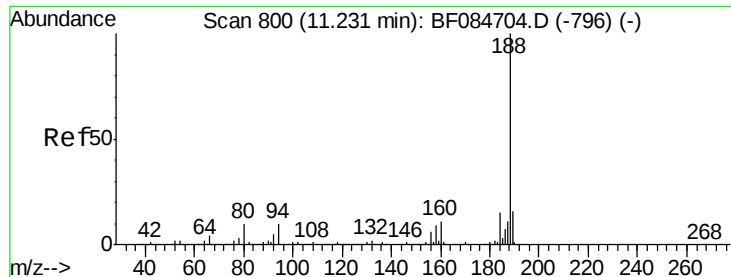
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

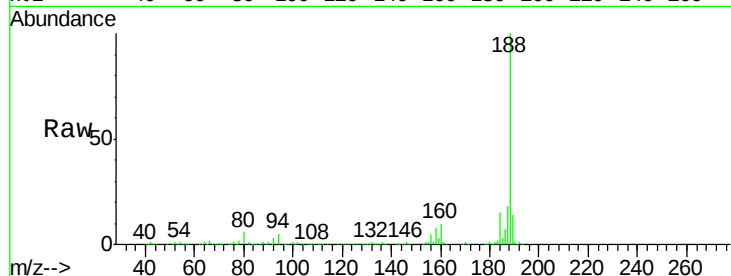
Tgt Ion:188 Resp: 591252

Ion Ratio Lower Upper

188 100

94 5.4 9.0 13.4#

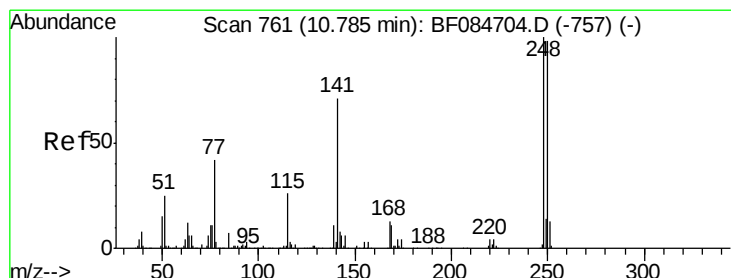
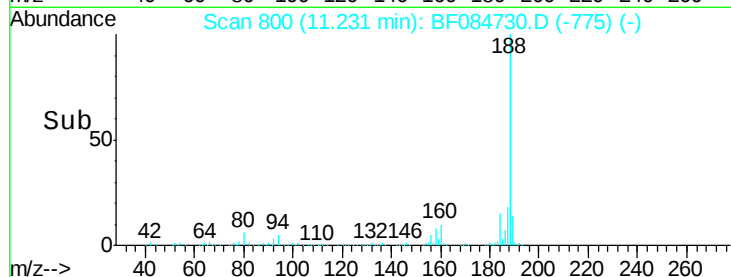
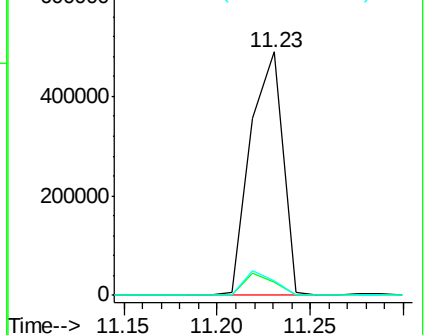
80 5.7 9.6 14.4#



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: 3.04 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.26 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

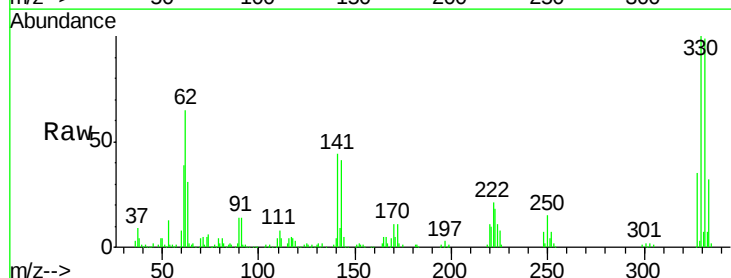
Tgt Ion:248 Resp: 19826

Ion Ratio Lower Upper

248 100

250 201.1 78.4 117.6#

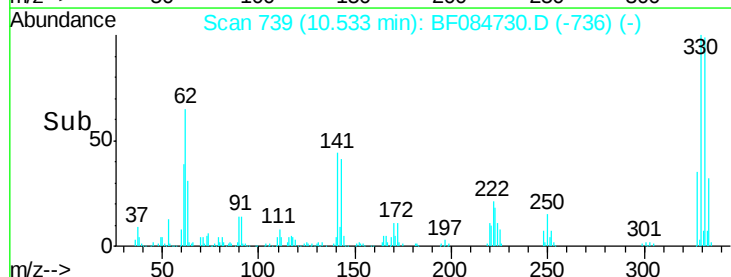
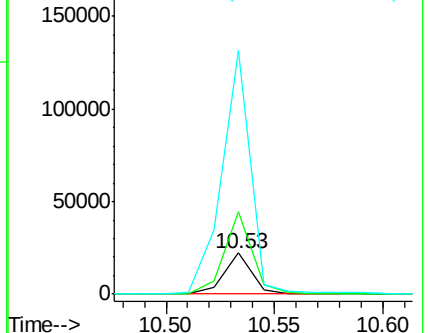
141 597.2 44.0 66.0#

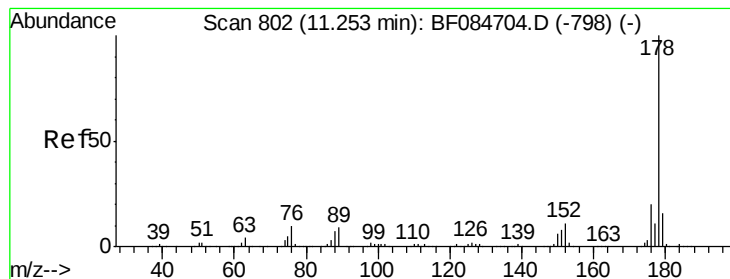


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.30 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

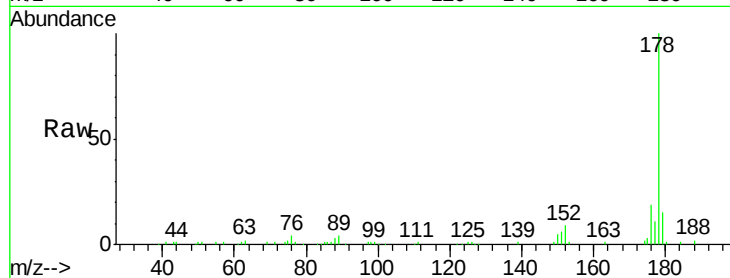
Tgt Ion:178 Resp: 108281

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

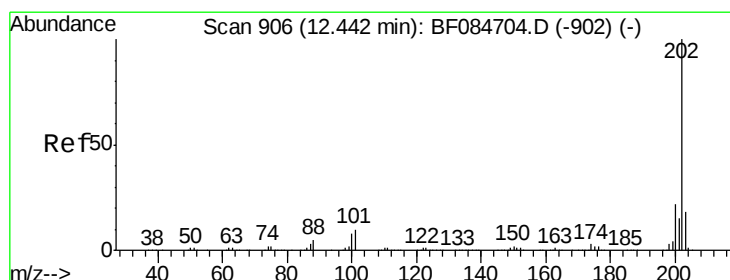
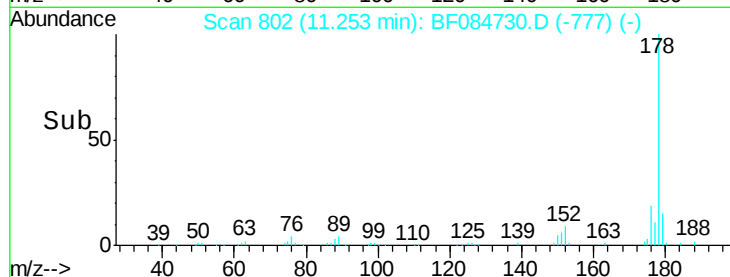
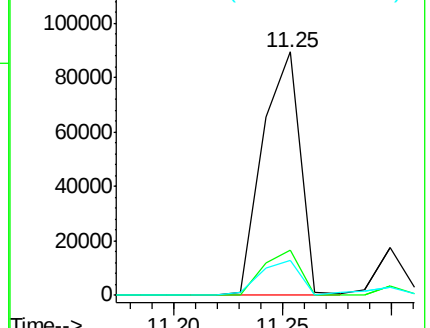
179 14.6 12.0 18.0



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



#74

Fluoranthene

Concen: 5.41 ng

RT: 12.43 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

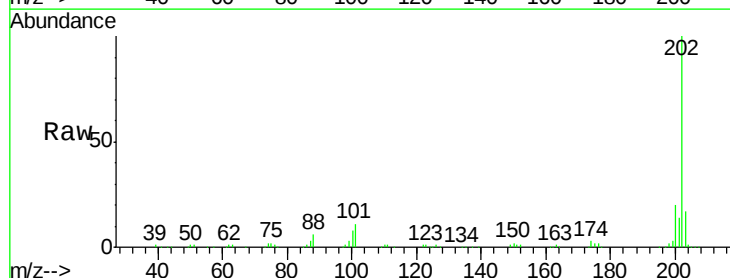
Tgt Ion:202 Resp: 179722

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.8

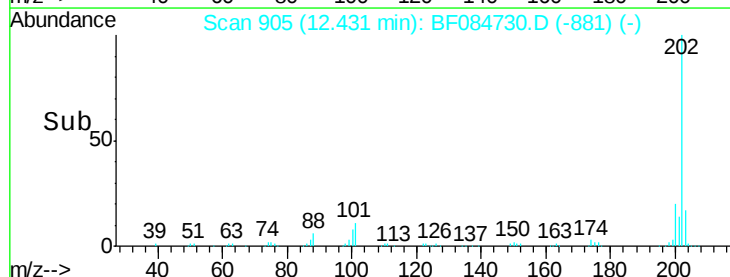
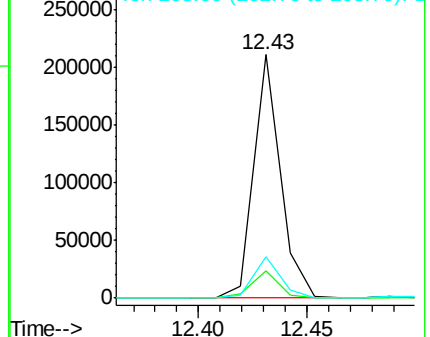
203 17.0 0.0 37.9

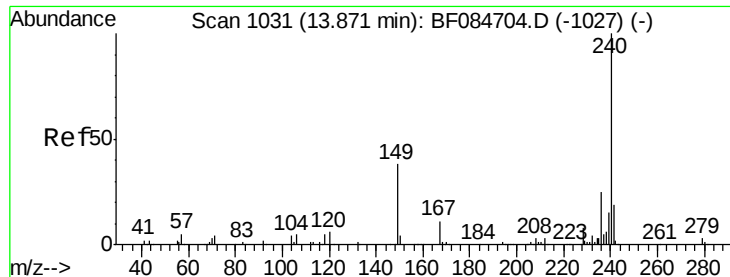


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

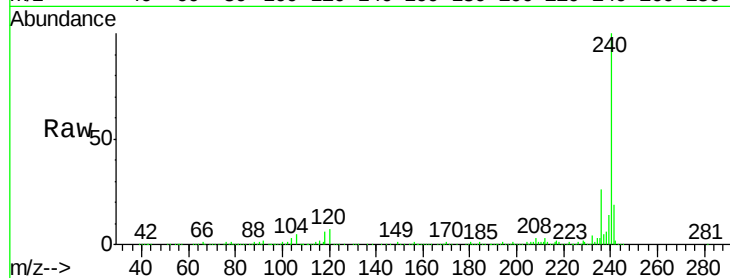
Tgt Ion:240 Resp: 469423

Ion Ratio Lower Upper

240 100

120 7.2 9.5 14.3#

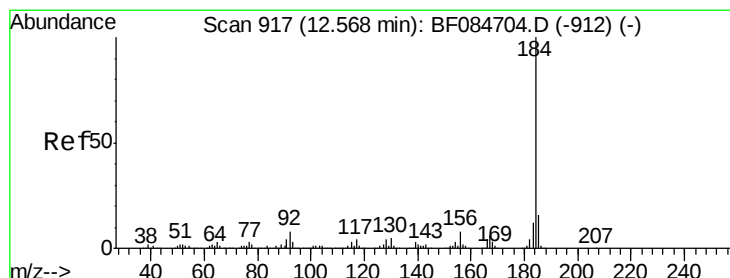
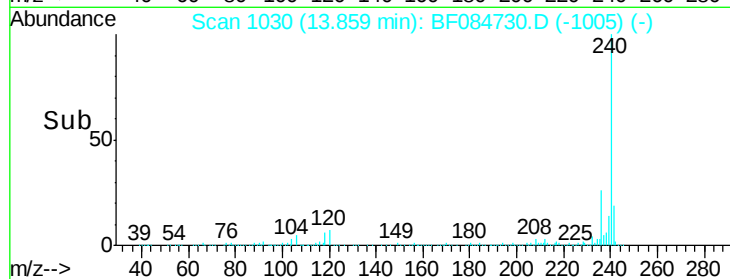
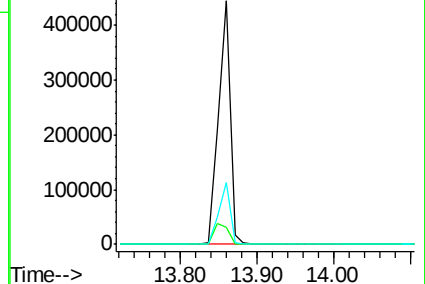
236 25.5 20.6 31.0



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



#76

Benzidine

Concen: 7.54 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.23 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

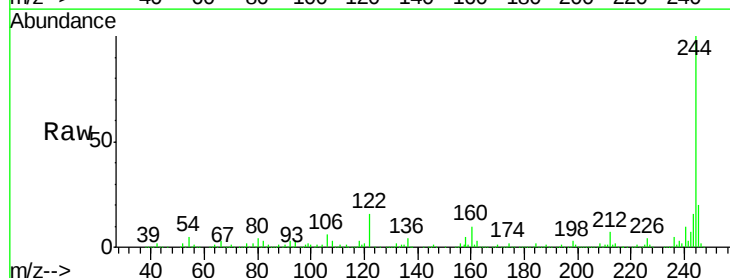
Tgt Ion:184 Resp: 16136

Ion Ratio Lower Upper

184 100

185 21.2 12.2 18.2#

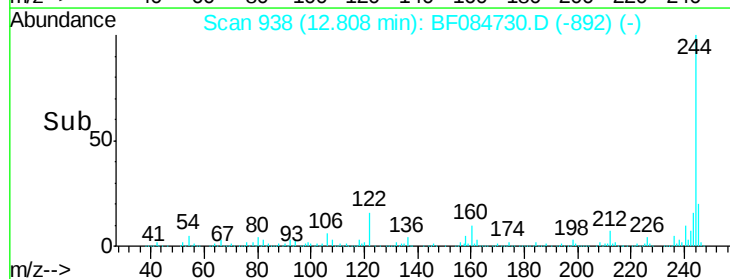
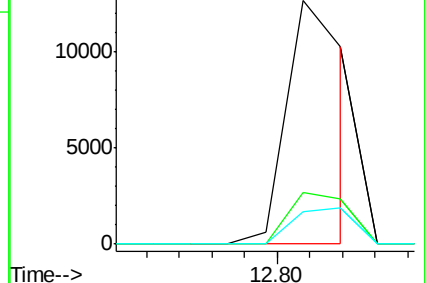
183 13.2 9.8 14.8

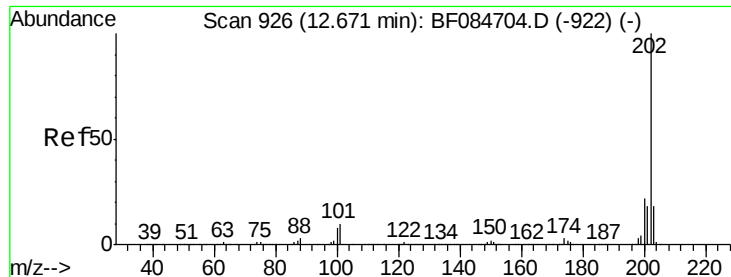


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 4.34 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

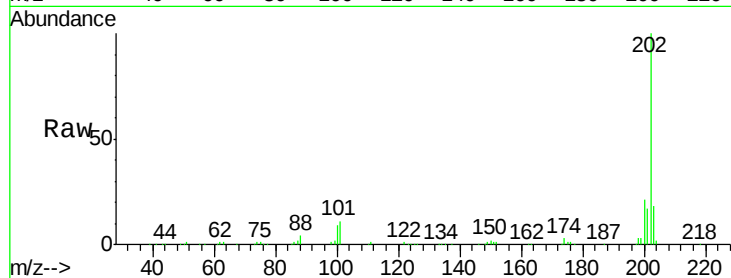
Tgt Ion: 202 Resp: 155970

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

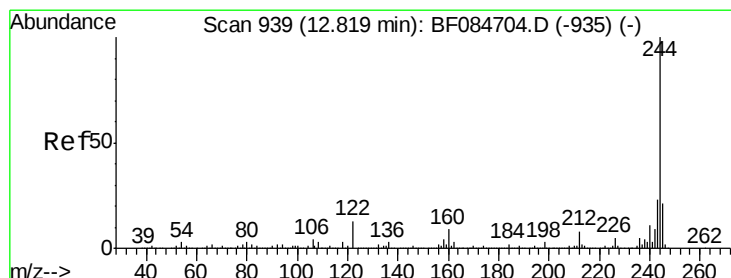
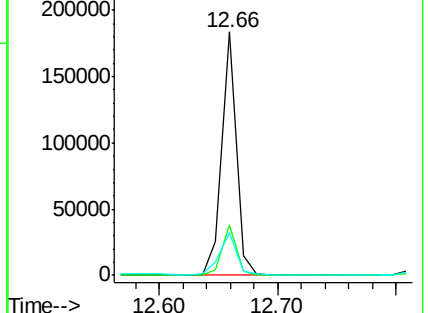
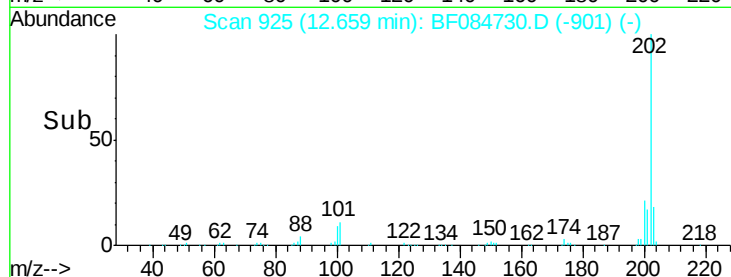
203 17.7 14.3 21.5



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: 59.37 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

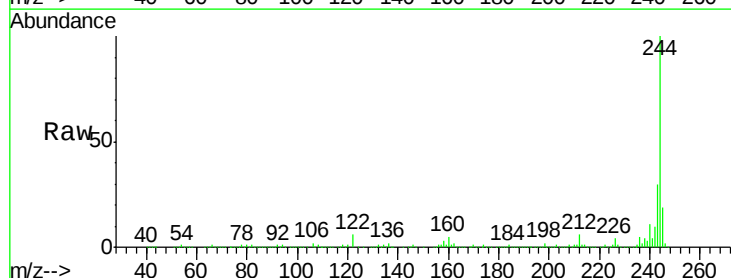
Tgt Ion: 244 Resp: 1229826

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

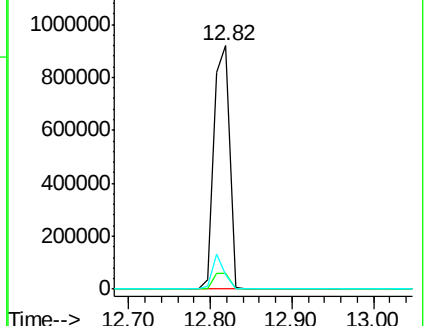
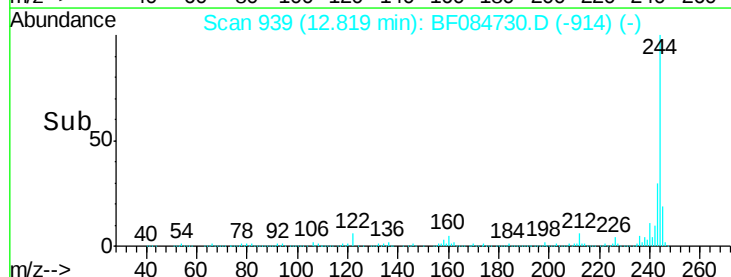
122 5.8 7.4 11.0#

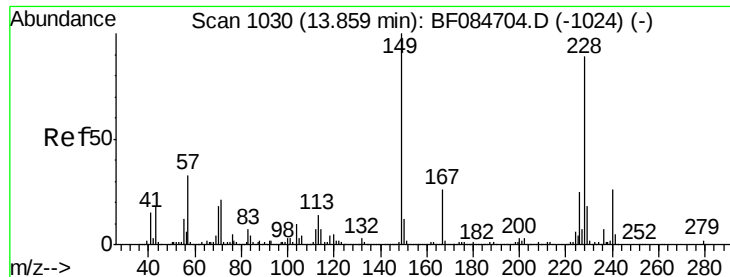


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

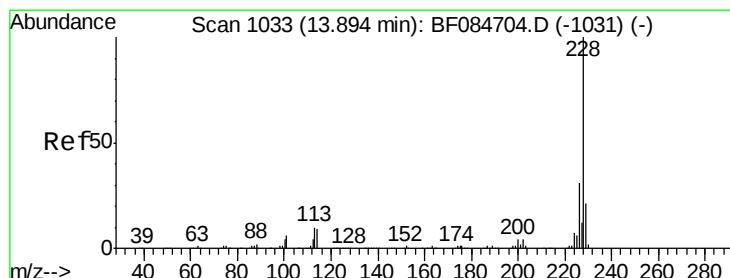
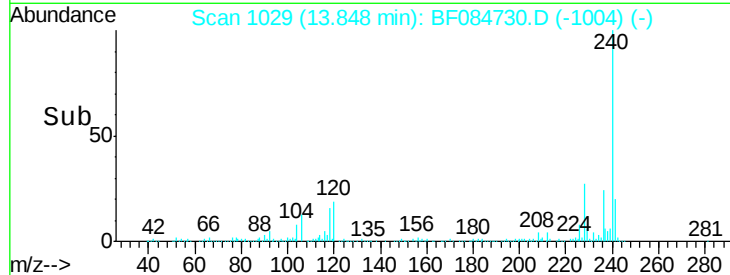
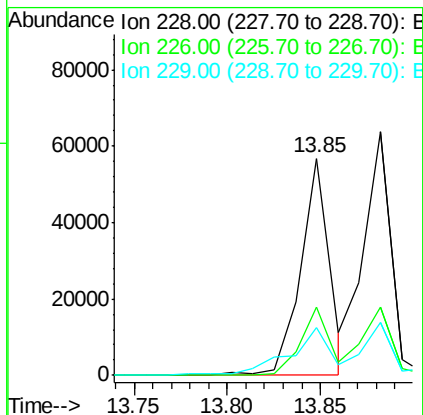
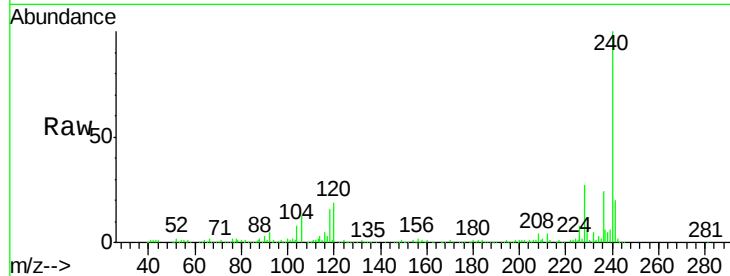




#80
 Benzo(a)anthracene
 Concen: 2.11 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF084730.D
 Acq: 2 Feb 2016 1:00

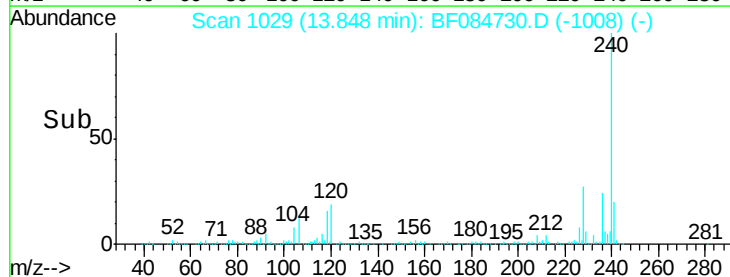
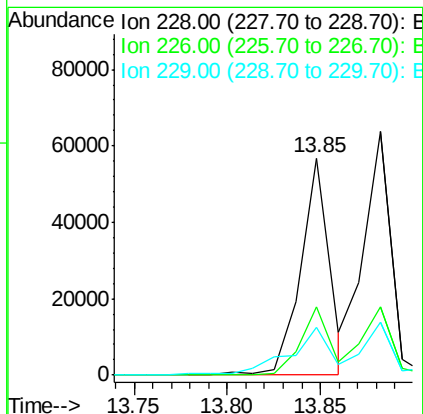
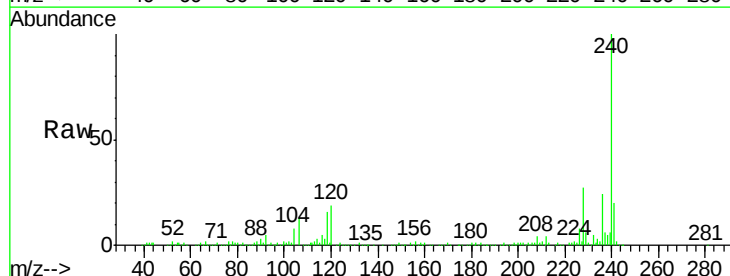
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B024(5-7)

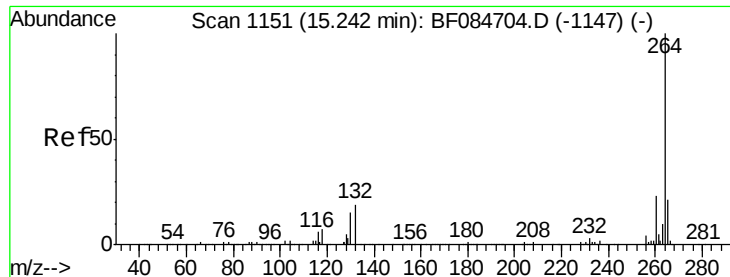
Tgt Ion:	228	Resp:	61534
Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.8	32.6
229	22.0	15.8	23.8



#82
 Chrysene
 Concen: 2.18 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.06 min
 Lab File: BF084730.D
 Acq: 2 Feb 2016 1:00

Tgt Ion:	228	Resp:	61534
Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.3	36.5
229	22.0	16.1	24.1



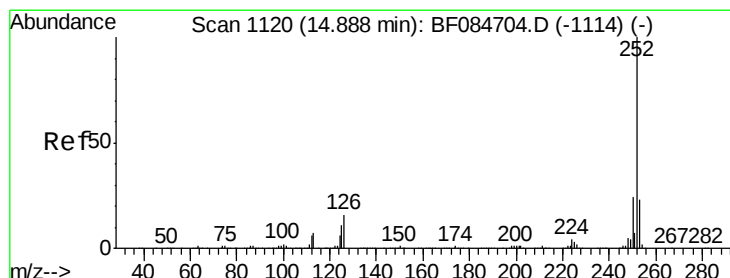
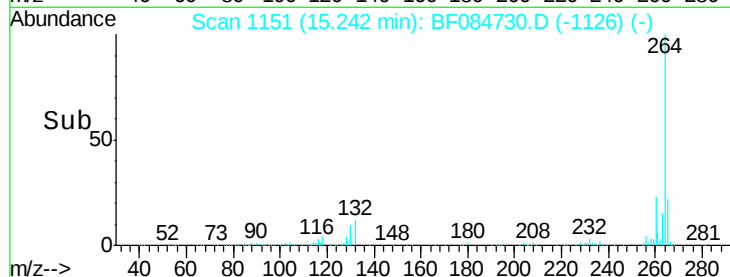
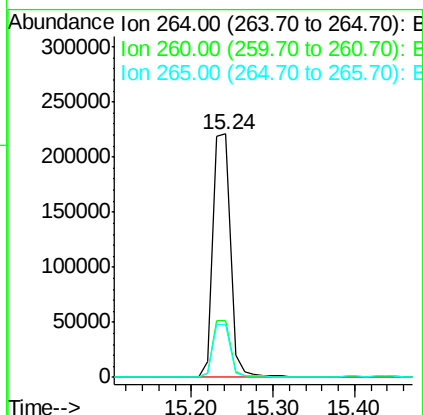
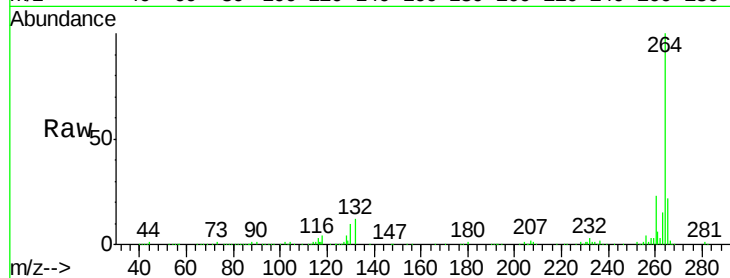


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF084730.D
Acq: 2 Feb 2016 1:00

Instrument :
BNA_F
ClientSampleId :
SUP-B024(5-7)

Tgt Ion: 264 Resp: 335107

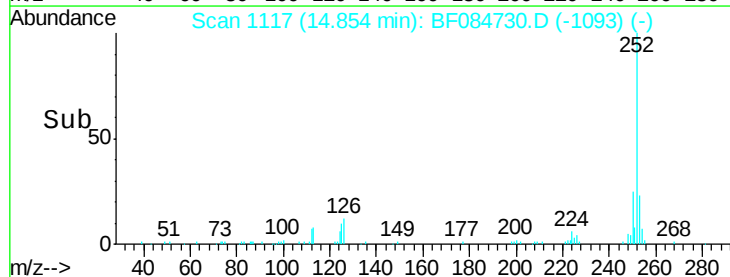
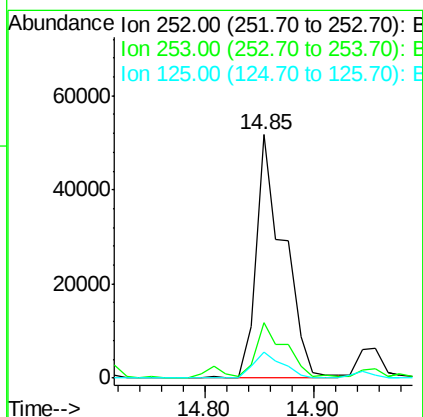
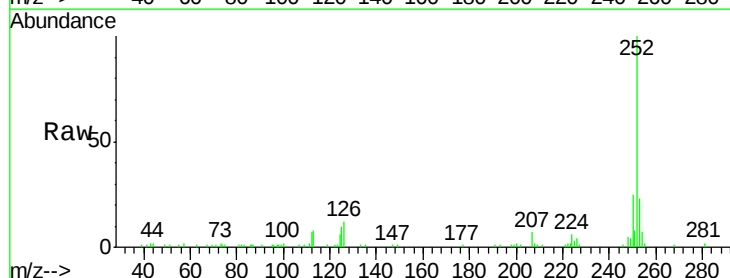
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.9	17.8	26.6

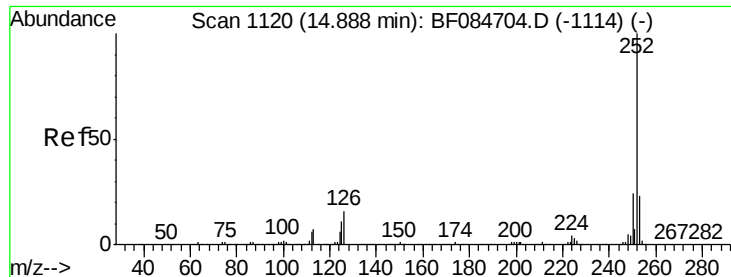


#87
Benzo(b)fluoranthene
Concen: 4.05 ng
RT: 14.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BF084730.D
Acq: 2 Feb 2016 1:00

Tgt Ion: 252 Resp: 91090

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	10.5	6.5	9.7#

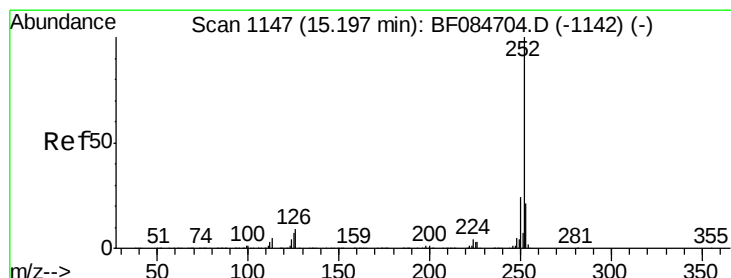
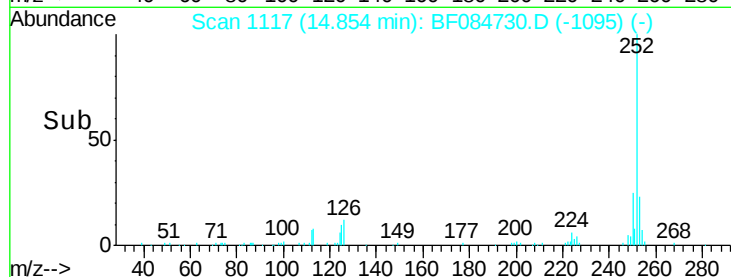
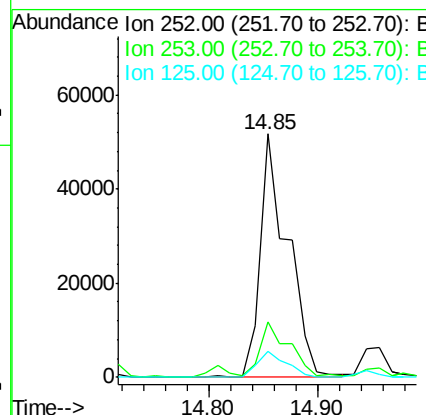
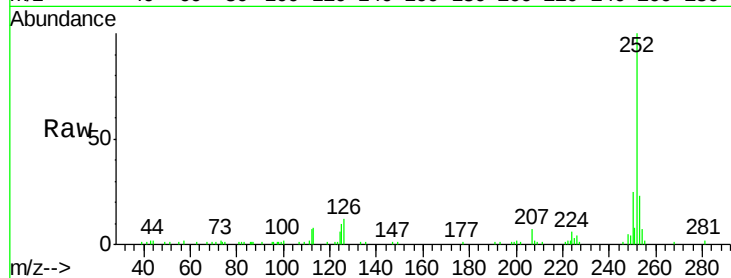




#88
Benzo(k)fluoranthene
Concen: 4.89 ng
RT: 14.85 min Scan# 1117
Delta R.T. -0.05 min
Lab File: BF084730.D
Acq: 2 Feb 2016 1:00

Instrument :
BNA_F
ClientSampleId :
SUP-B024(5-7)

Tgt Ion:252 Resp: 91090
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 10.5 9.0 13.6



#89
Benzo(a)pyrene
Concen: 2.33 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF084730.D
Acq: 2 Feb 2016 1:00

Tgt Ion:252 Resp: 44727
Ion Ratio Lower Upper
252 100
253 20.1 17.3 25.9
125 13.7 7.0 10.4#

