

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
 Data File : BF084690.D
 Acq On : 30 Jan 2016 17:08
 Operator : SJ/IZ
 Sample : H1257-01 5X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(0-3)

Quant Time: Feb 01 03:11:08 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

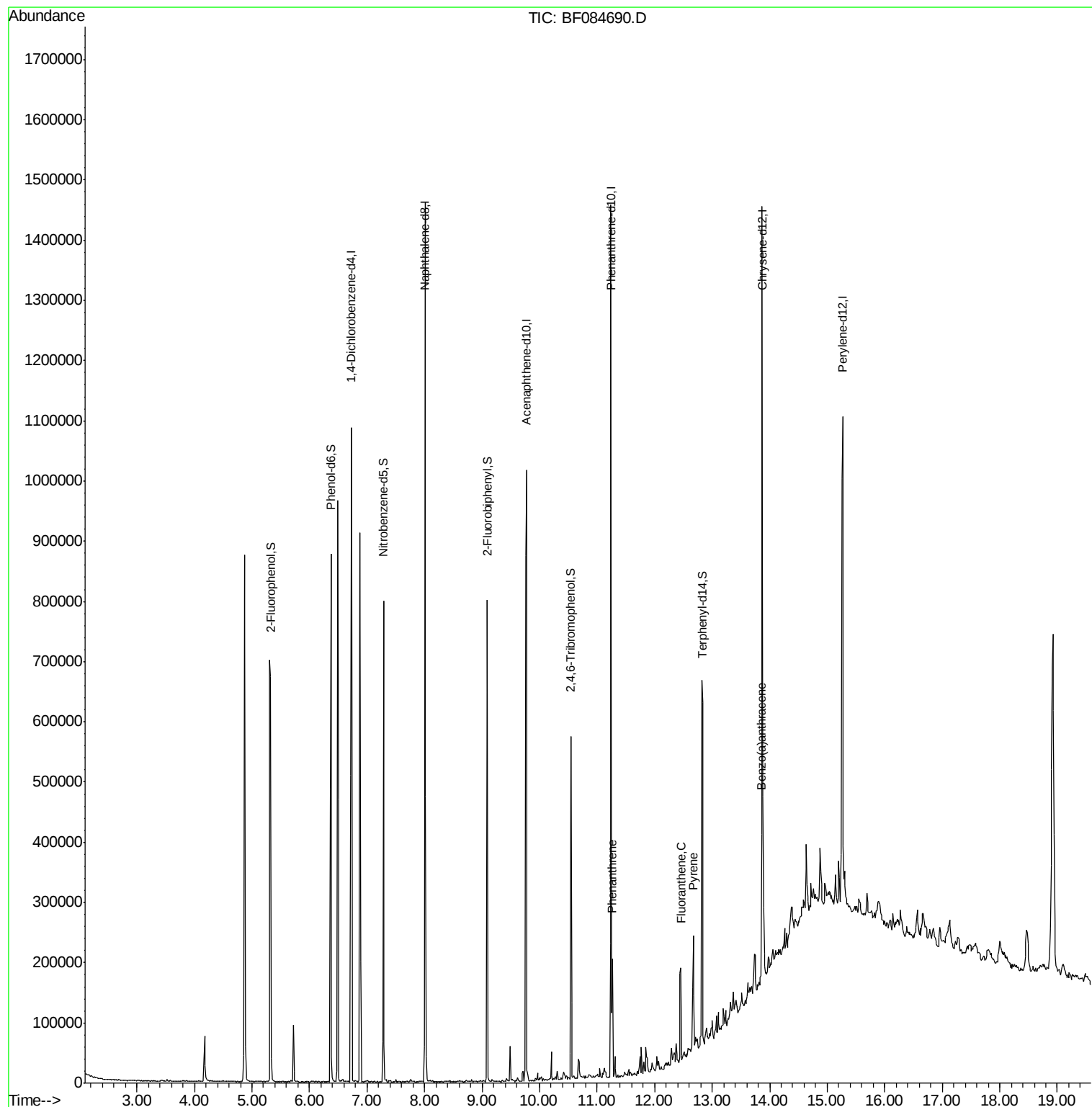
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	184546	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	675259	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	278689	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	477860	20.00	ng	0.00
75) Chrysene-d12	13.87	240	421103	20.00	ng	0.00
86) Perylene-d12	15.27	264	451689	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	285136	23.32	ng	0.01
7) Phenol-d6	6.37	99	354444	24.19	ng	0.00
23) Nitrobenzene-d5	7.29	82	220039	18.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	59449	20.35	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	353516	18.85	ng	0.00
78) Terphenyl-d14	12.83	244	269773	14.47	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.26	178	69106	2.62	ng	99
74) Fluoranthene	12.45	202	91093	3.49	ng	91
77) Pyrene	12.67	202	89758	2.83	ng	96
80) Benzo(a)anthracene	13.86	228	54837	2.09	ng	94

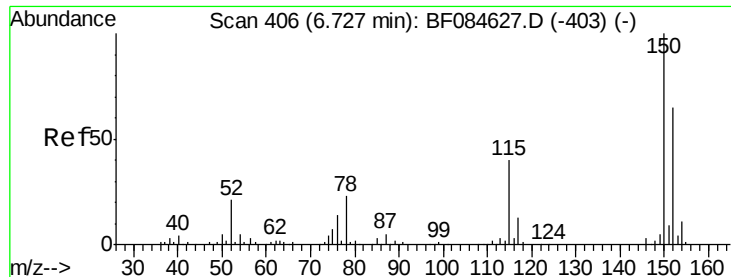
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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Quant Time: Feb 01 03:11:08 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(0-3)

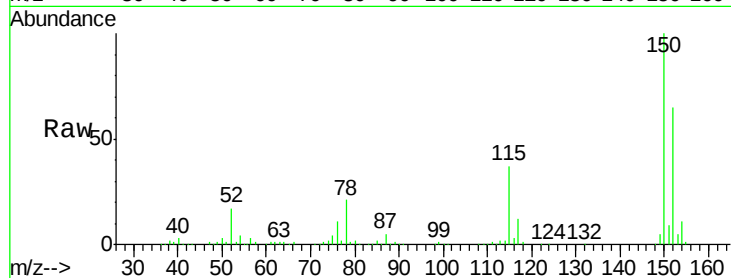
Tot Ion:152 Resp: 184546

Ion Ratio Lower Upper

152 100

150 152.9 123.0 184.4

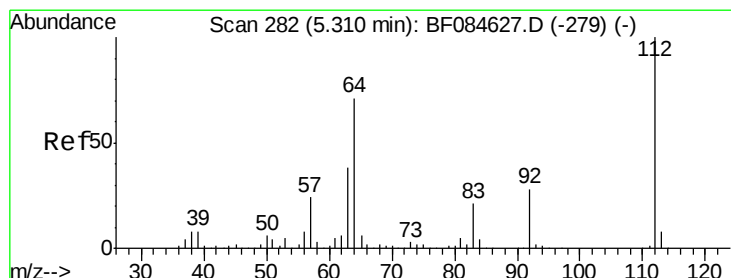
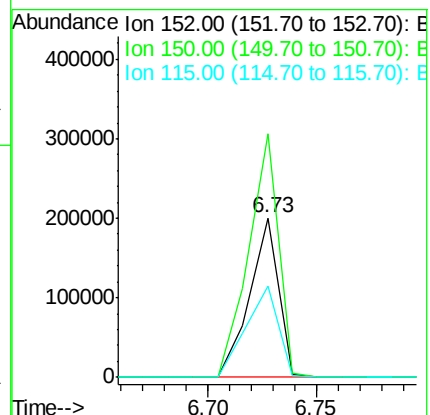
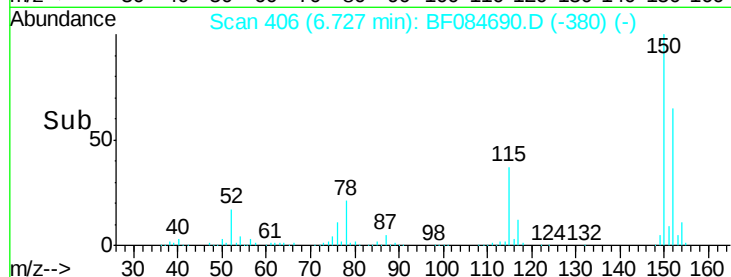
115 57.2 51.4 77.2



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



#5

2-Fluorophenol

Concen: 23.32 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

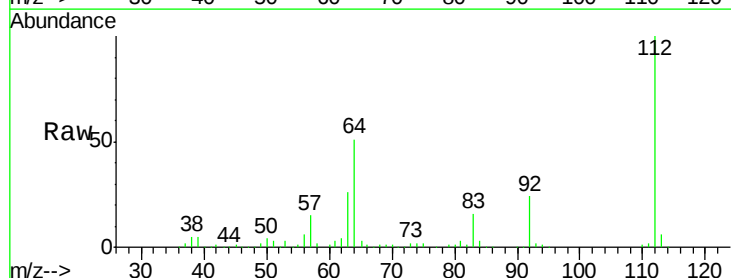
Tgt Ion:112 Resp: 285136

Ion Ratio Lower Upper

112 100

64 51.3 36.6 55.0

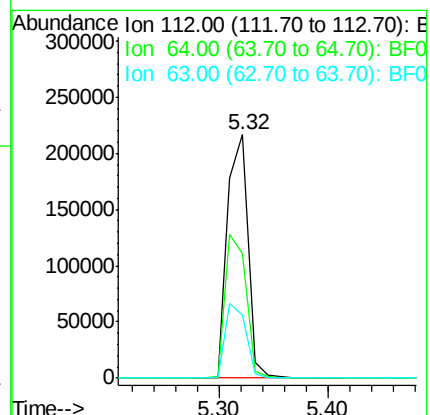
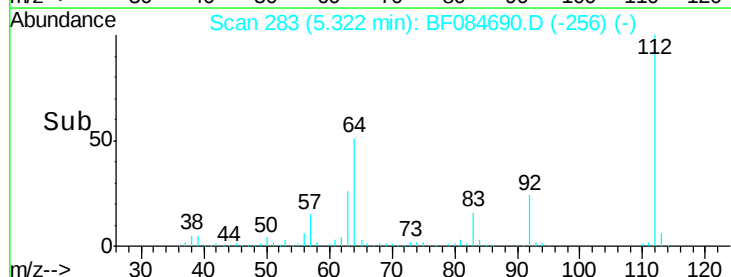
63 25.7 19.4 29.0

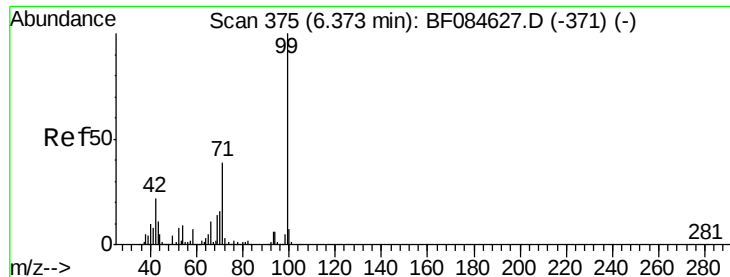


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.19 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(0-3)

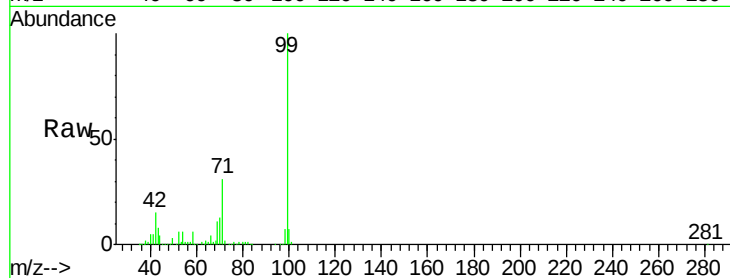
Tot Ion: 99 Resp: 354444

Ion Ratio Lower Upper

99 100

42 15.0 12.8 19.2

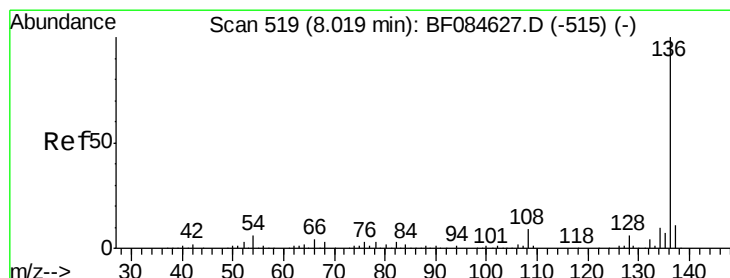
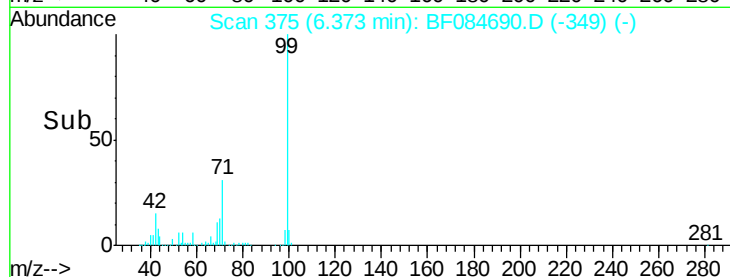
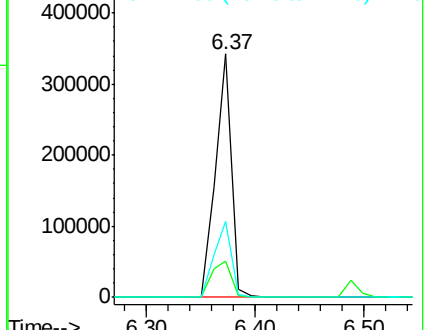
71 31.0 30.9 46.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

Tgt Ion: 136 Resp: 675259

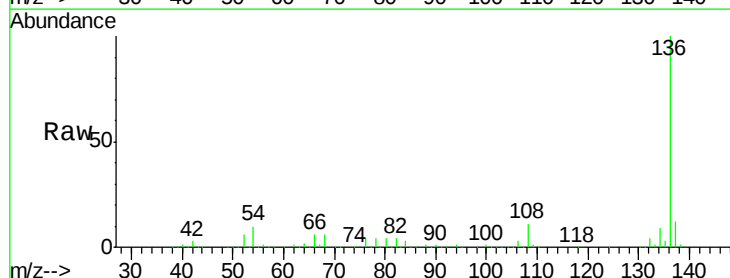
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 10.5 5.8 8.8#

68 5.7 4.2 6.2

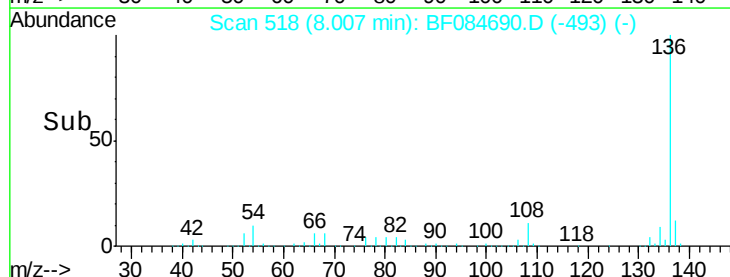
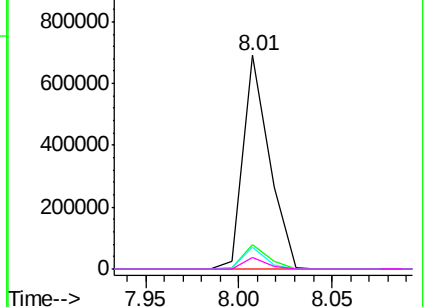


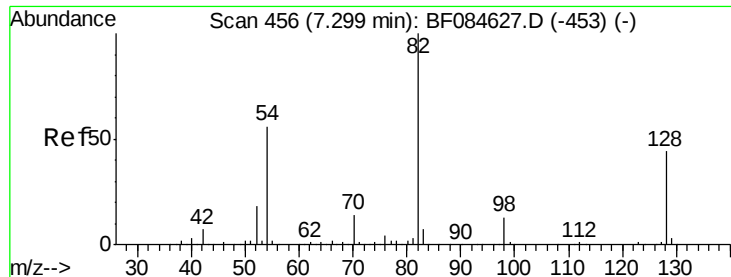
Abundance Ion 136.00 (135.70 to 136.70): E

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

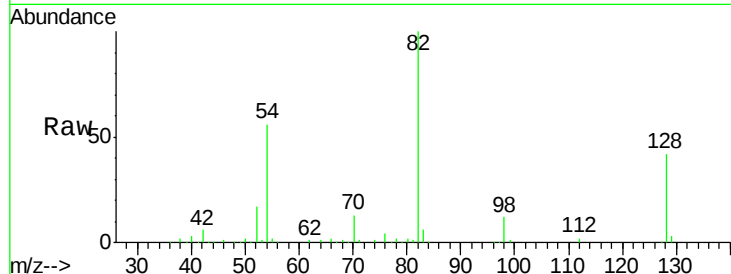




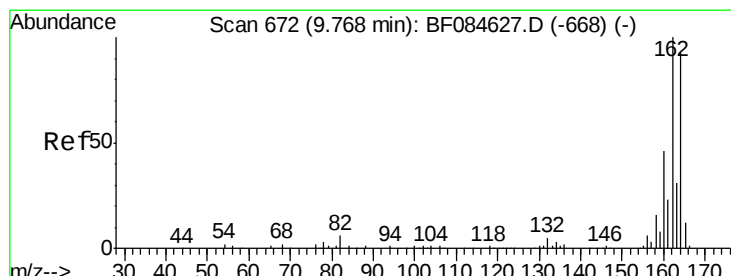
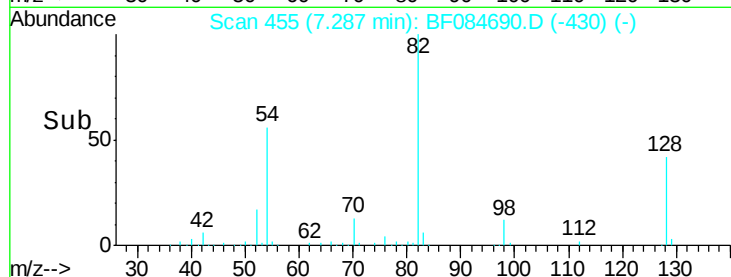
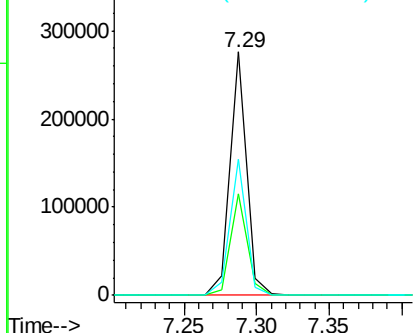
#23
 Nitrobenzene-d5
 Concen: 18.21 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF084690.D
 Acq: 30 Jan 2016 17:08

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(0-3)

Tot Ion	82	Resp	220039
Ion Ratio	Lower	Upper	
82	100		
128	41.8	34.6	51.8
54	55.8	38.4	57.6

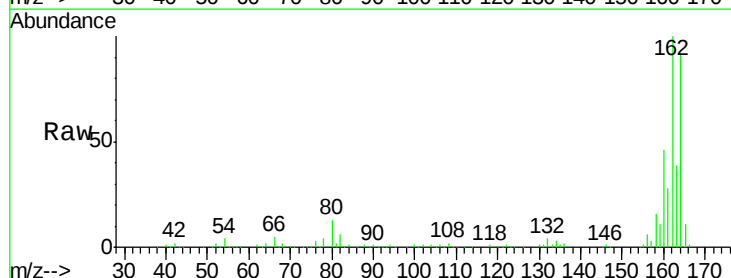


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

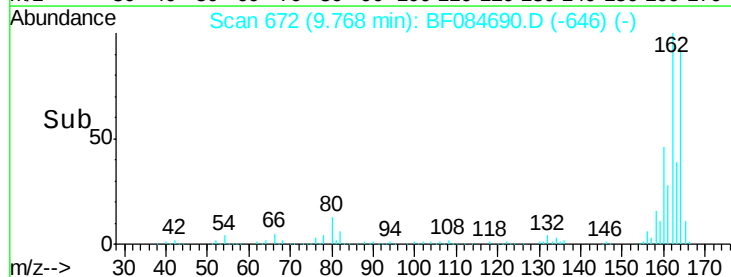
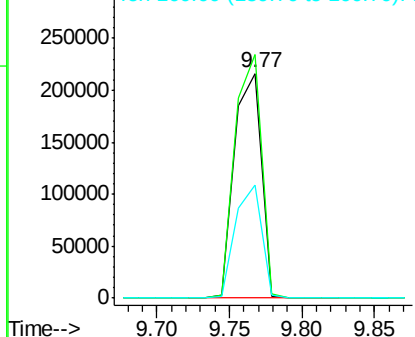


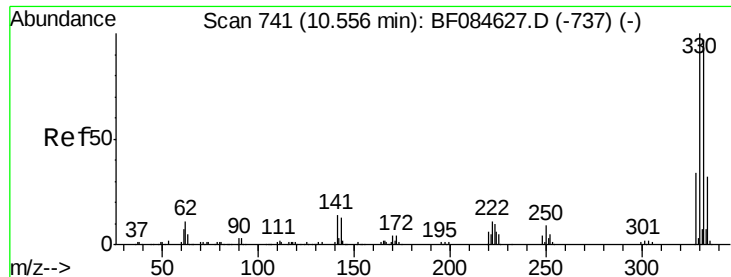
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: BF084690.D
 Acq: 30 Jan 2016 17:08

Tgt Ion	164	Resp	278689
Ion Ratio	Lower	Upper	
164	100		
162	108.5	85.1	127.7
160	50.2	37.5	56.3



Abundance Ion 164.00 (163.70 to 164.70): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

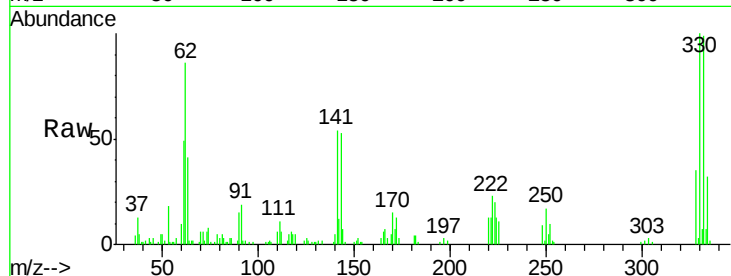




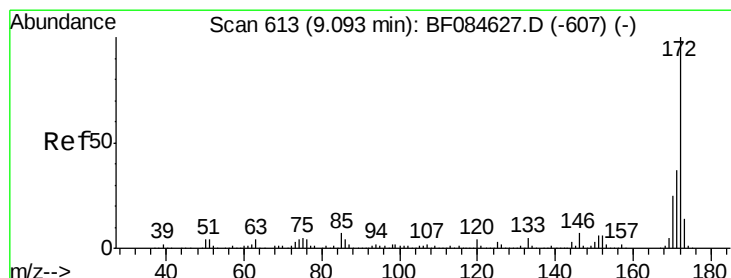
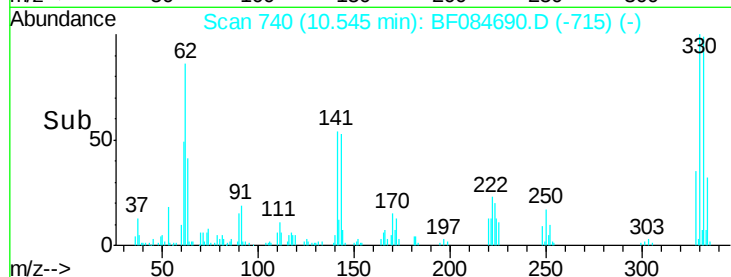
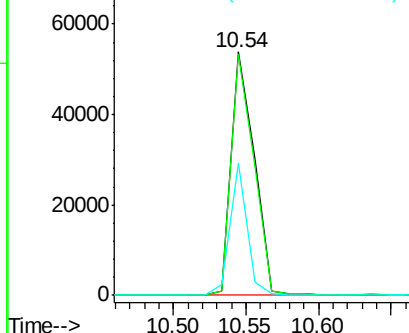
#41
 2,4,6-Tribromophenol
 Concen: 20.35 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084690.D
 Acq: 30 Jan 2016 17:08

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(0-3)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	40.2	27.8	41.6

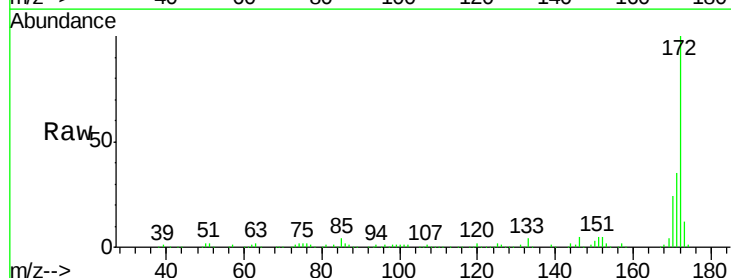


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

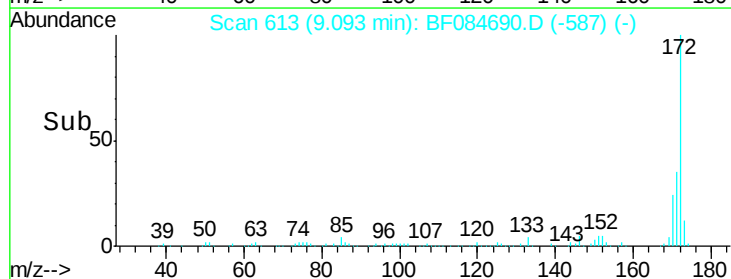
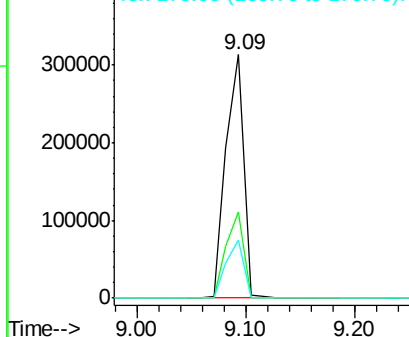


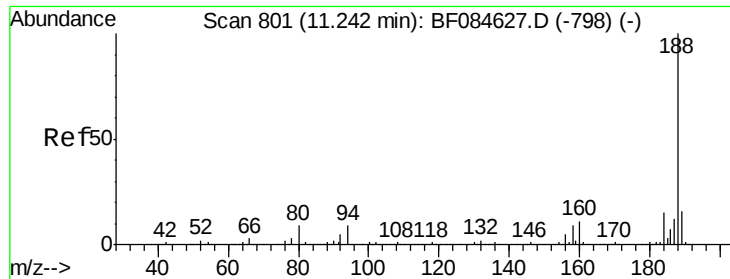
#44
 2-Fluorobiphenyl
 Concen: 18.85 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084690.D
 Acq: 30 Jan 2016 17:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	23.6	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

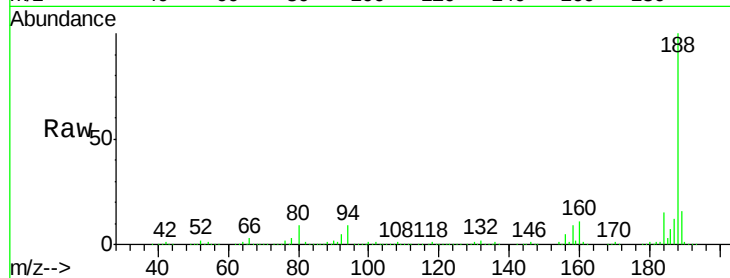




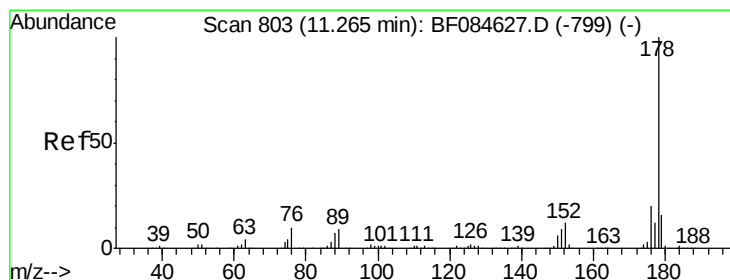
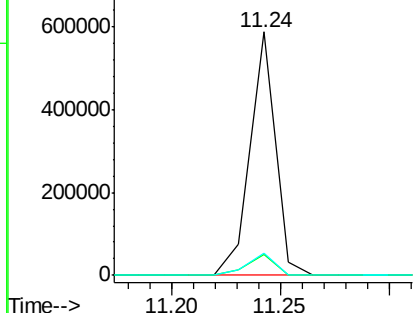
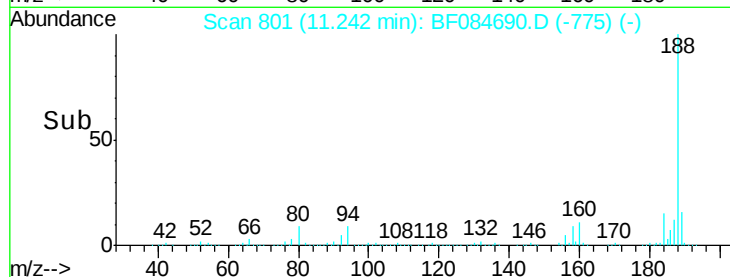
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084690.D
Acq: 30 Jan 2016 17:08

Instrument :
BNA_F
ClientSampleId :
SUP-B015(0-3)

Tot Ion:188 Resp: 477860
Ion Ratio Lower Upper
188 100
94 8.6 9.0 13.4#
80 8.9 9.6 14.4#

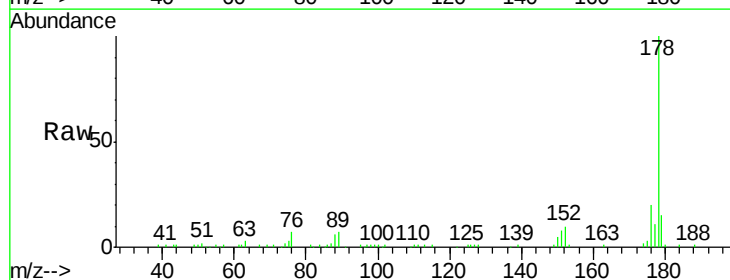


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

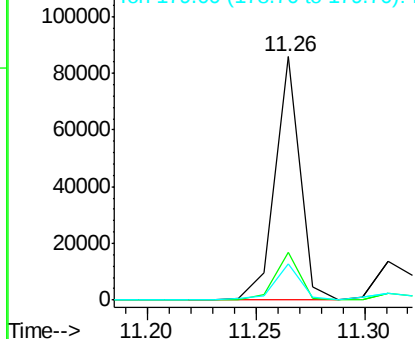
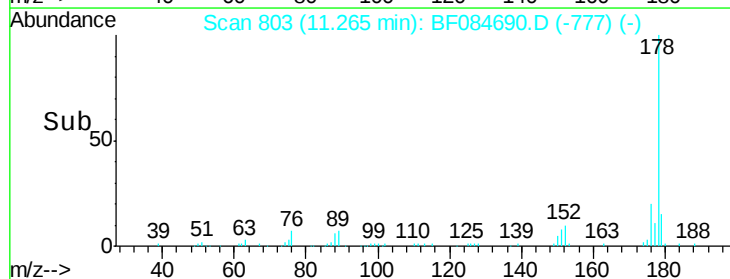


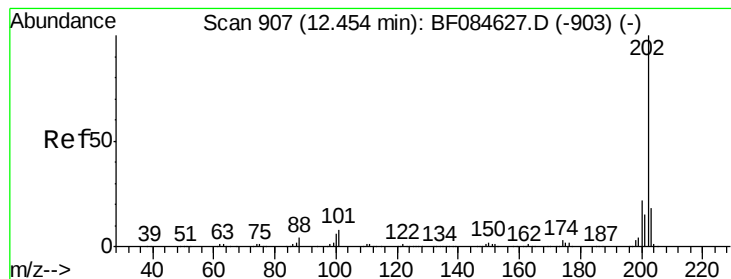
#70
Phenanthrene
Concen: 2.62 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF084690.D
Acq: 30 Jan 2016 17:08

Tgt Ion:178 Resp: 69106
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 15.0 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: 3.49 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(0-3)

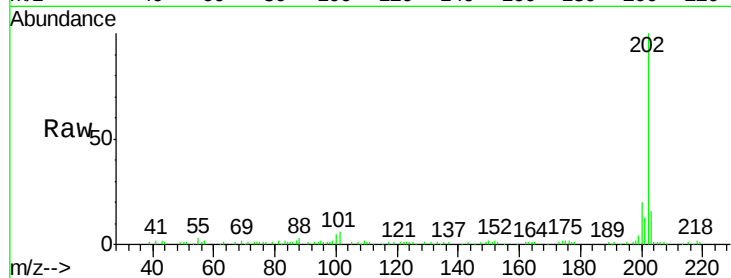
Tot Ion:202 Resp: 91093

Ion Ratio Lower Upper

202 100

101 6.2 0.0 32.8

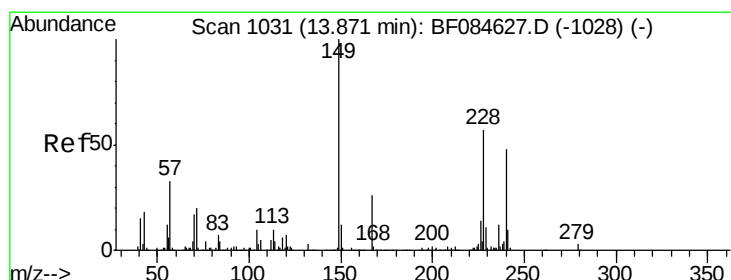
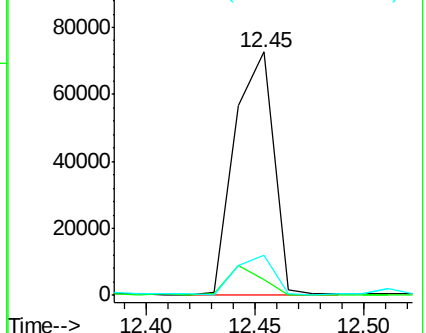
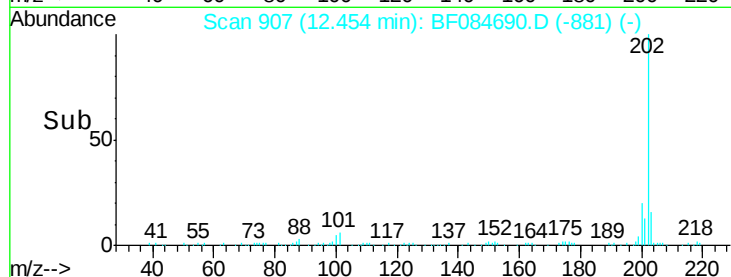
203 16.4 0.0 37.9



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: BF084690.D

Acq: 30 Jan 2016 17:08

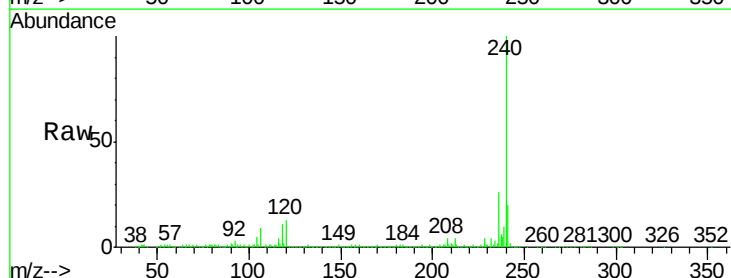
Tgt Ion:240 Resp: 421103

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

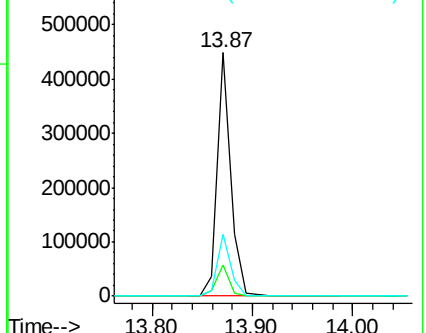
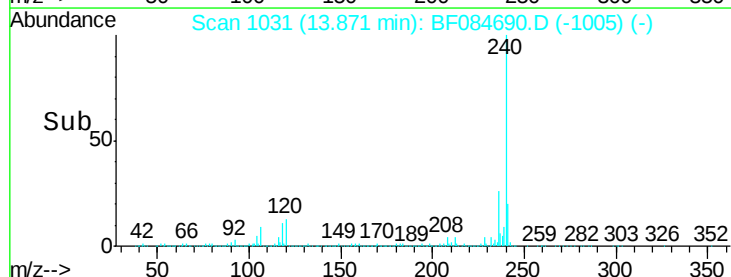
236 25.5 20.6 31.0

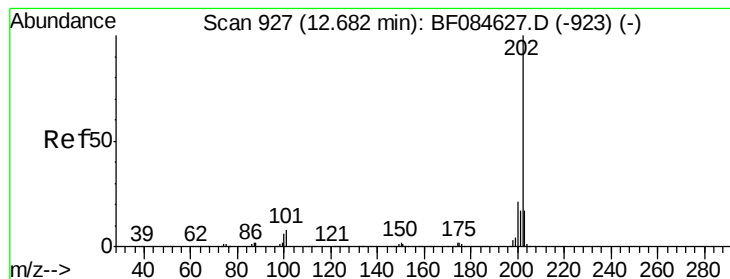


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.83 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

Instrument :

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SUP-B015(0-3)

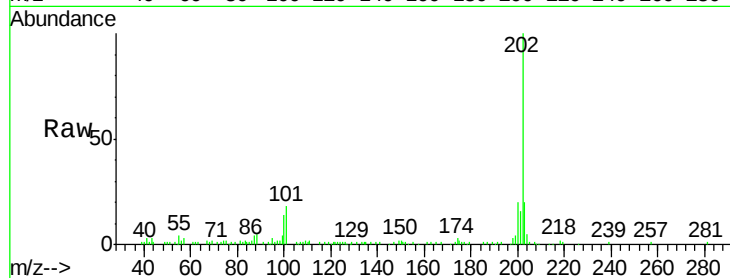
Tot Ion:202 Resp: 89758

Ion Ratio Lower Upper

202 100

200 20.0 17.2 25.8

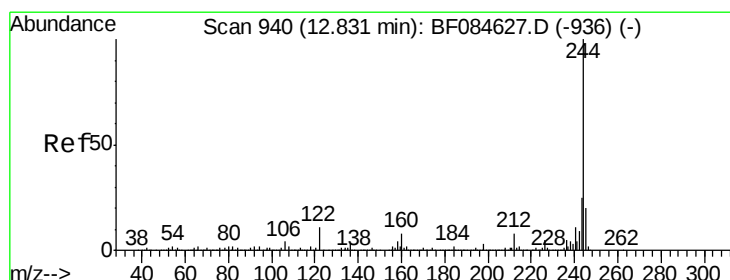
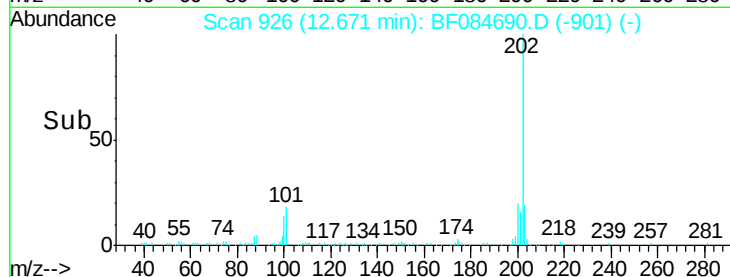
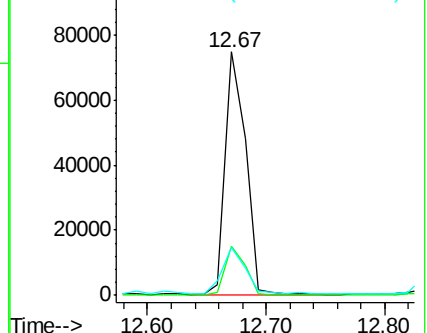
203 19.9 14.3 21.5



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: 14.47 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

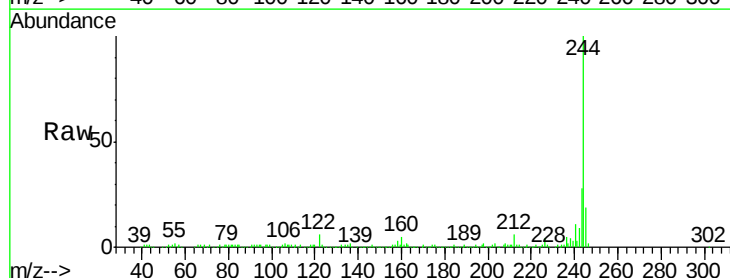
Tgt Ion:244 Resp: 269773

Ion Ratio Lower Upper

244 100

212 6.1 5.7 8.5

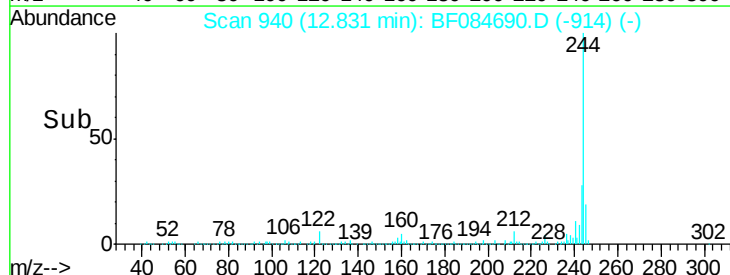
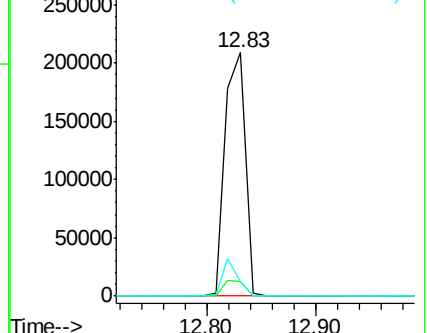
122 5.8 7.4 11.0#

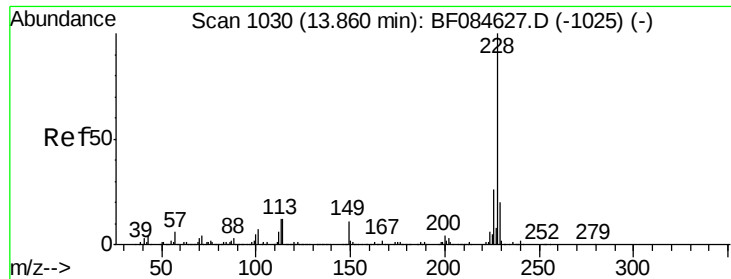


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.09 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(0-3)

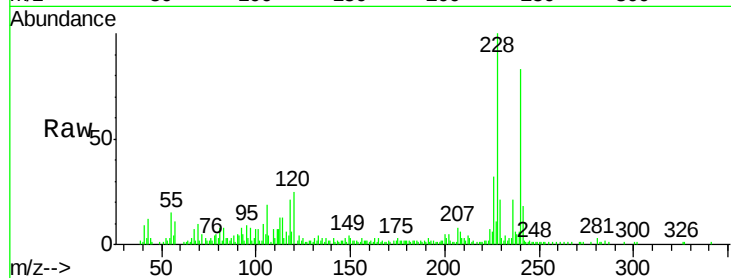
Tot Ion:228 Resp: 54837

Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.8	32.6
229	21.2	15.8	23.8

228 100

226 31.7 21.8 32.6

229 21.2 15.8 23.8

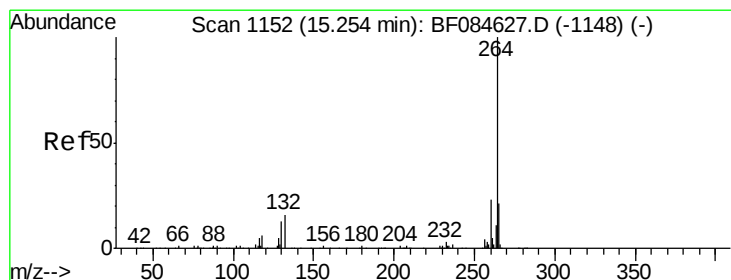
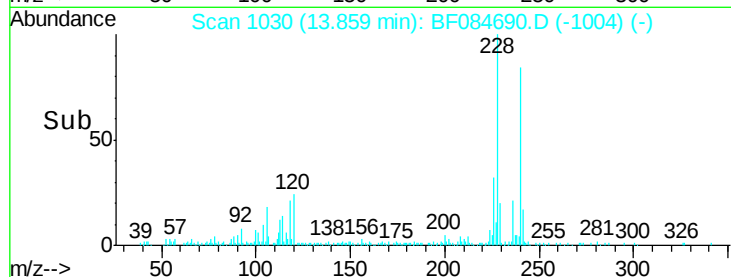
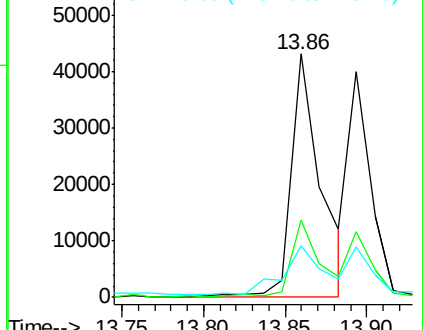


Abundance

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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

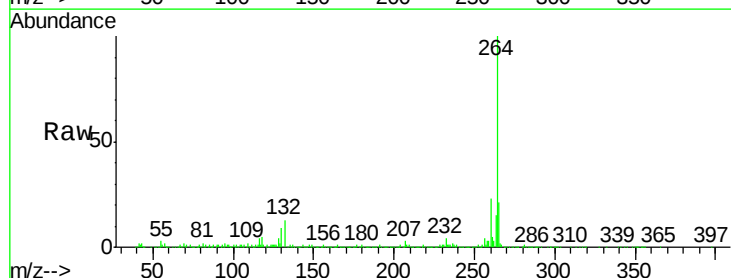
Tgt Ion:264 Resp: 451689

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.4	29.2
265	21.3	17.8	26.6

264 100

260 23.0 19.4 29.2

265 21.3 17.8 26.6



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

