

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 00:29:32 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

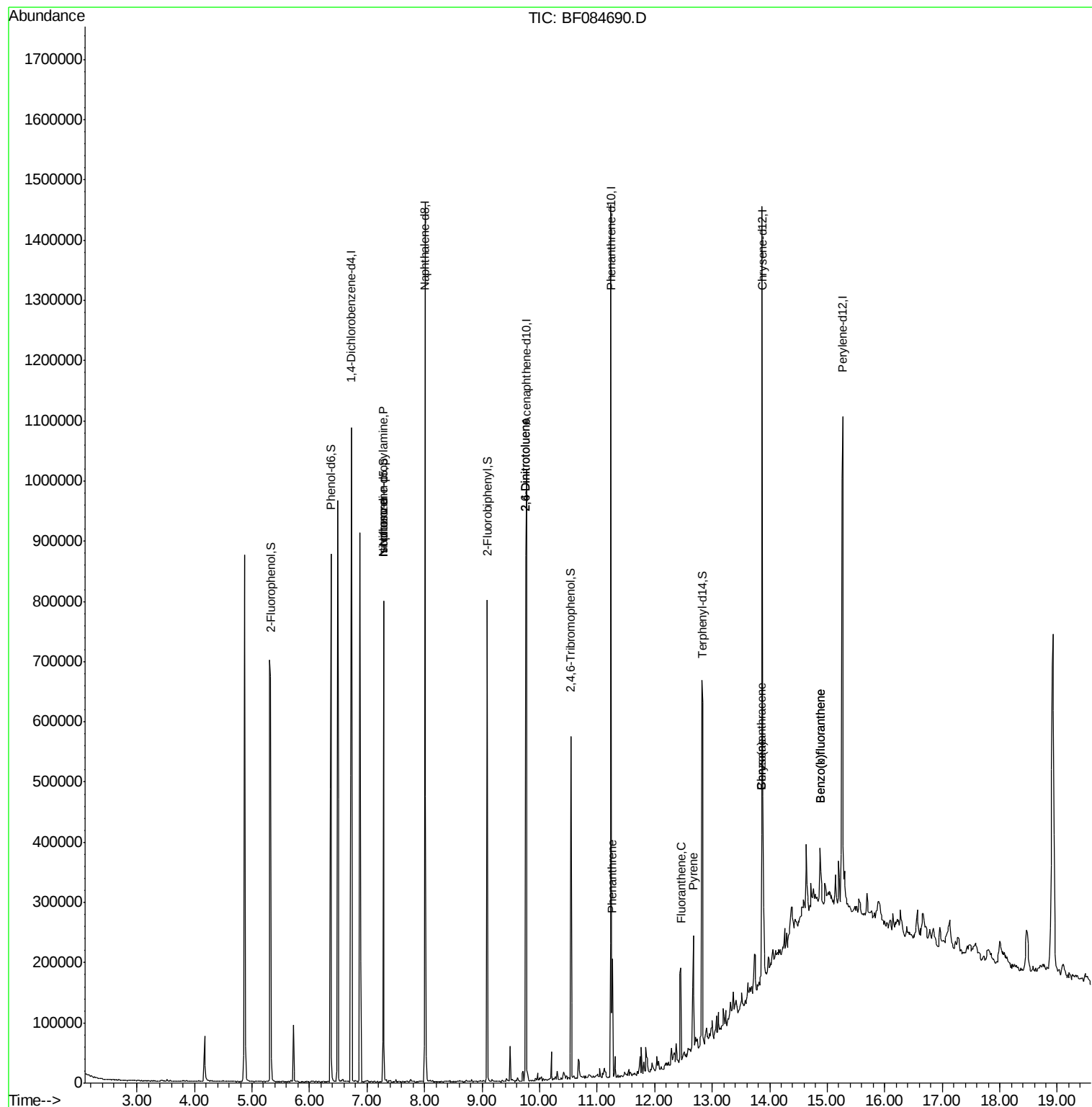
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	184546	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	675259	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	278689	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	477860	20.00	ng	0.00
75) Chrysene-d12	13.87	240	421103	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						
19) n-Nitroso-di-n-propylamine	7.29	70	28367	3.17	ng	# 72
25) Isophorone	7.29	82	205147	9.06	ng	# 66
50) 2,6-Dinitrotoluene	9.76	165	34743	7.55	ng	# 35
56) 2,4-Dinitrotoluene	9.76	165	34743	5.81	ng	# 20
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
82) Chrysene	13.86	228	54837	2.12	ng	98
87) Benzo(b)fluoranthene	14.88	252	61173	2.09	ng	# 88
88) Benzo(k)fluoranthene	14.88	252	60914	2.52	ng	# 92

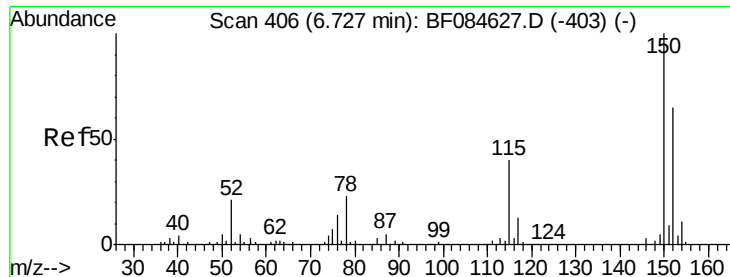
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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)

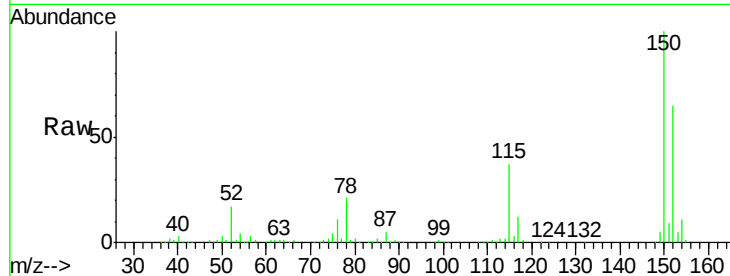
Tgt Ion:152 Resp: 184546

Ion Ratio Lower Upper

152 100

150 152.9 123.0 184.4

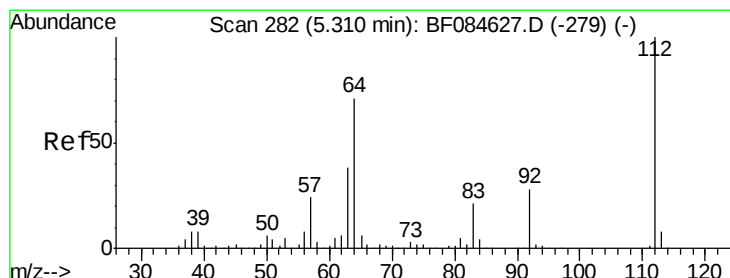
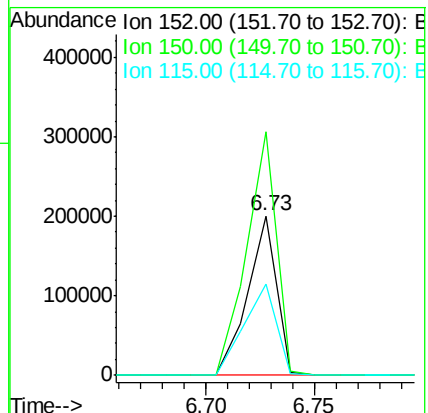
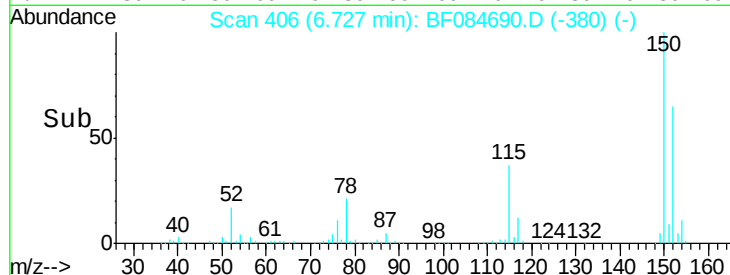
115 57.2 51.4 77.2



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

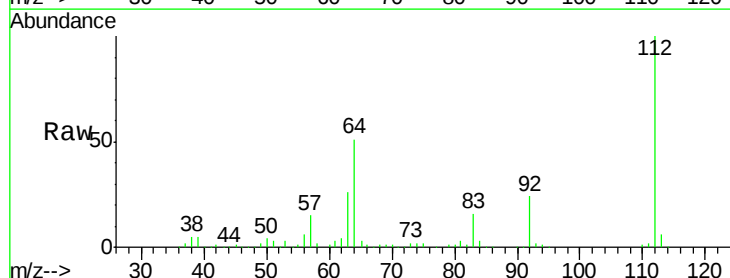
Tgt Ion:112 Resp: 285136

Ion Ratio Lower Upper

112 100

64 51.3 36.6 55.0

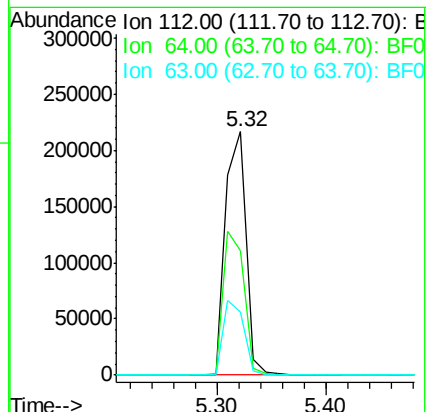
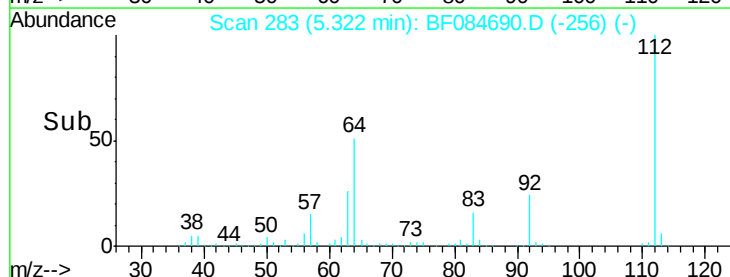
63 25.7 19.4 29.0

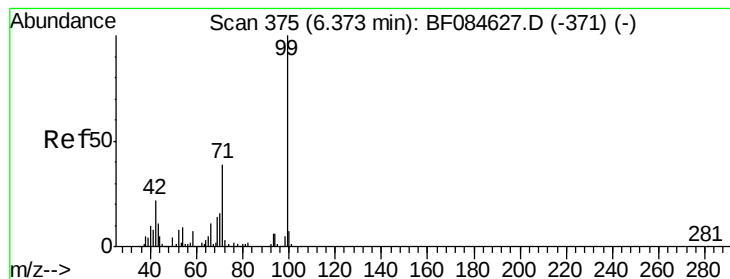


Abundance Ion 112.00 (111.70 to 112.70): E

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)

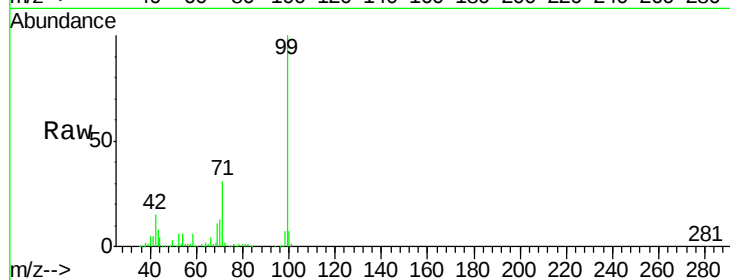
Tgt Ion: 99 Resp: 354444

Ion Ratio Lower Upper

99 100

42 15.0 12.8 19.2

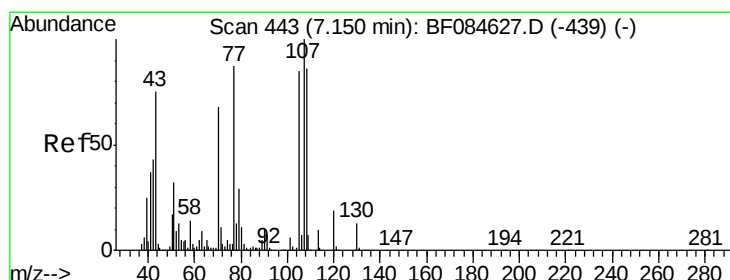
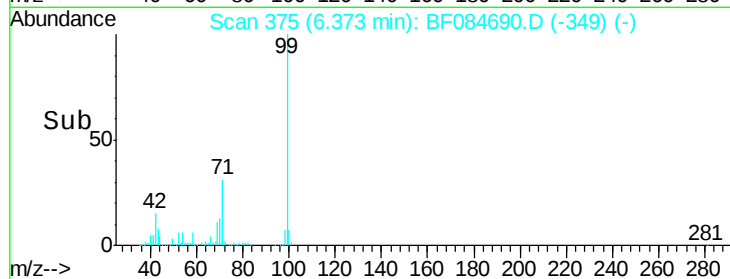
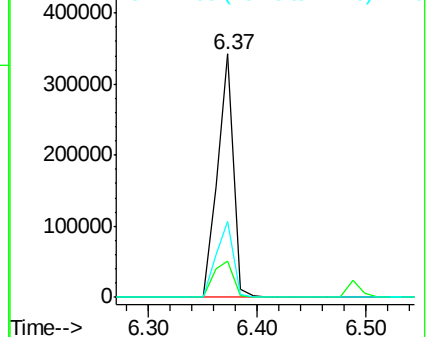
71 31.0 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.17 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.14 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

Tgt Ion: 70 Resp: 28367

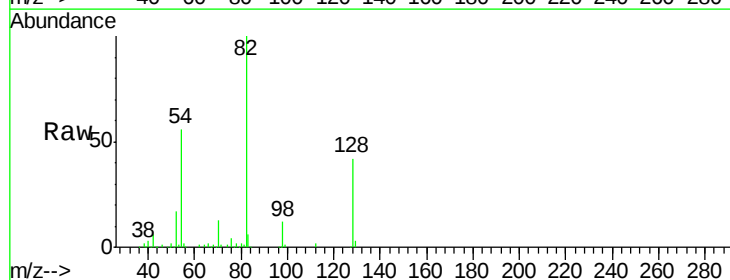
Ion Ratio Lower Upper

70 100

42 47.5 33.3 49.9

101 0.0 9.3 13.9#

130 0.0 23.4 35.0#

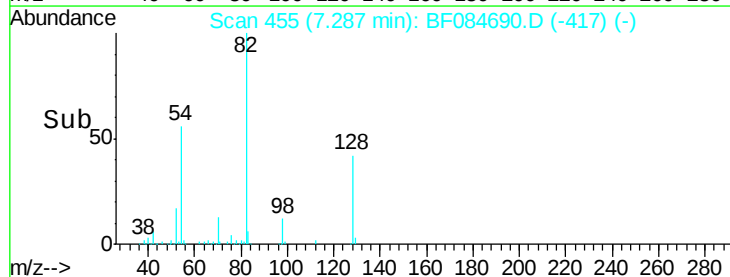
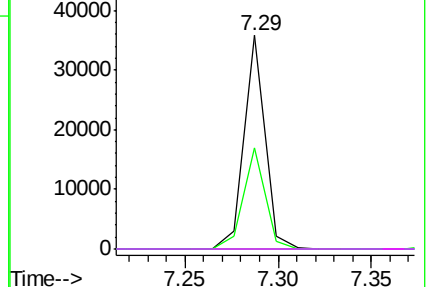


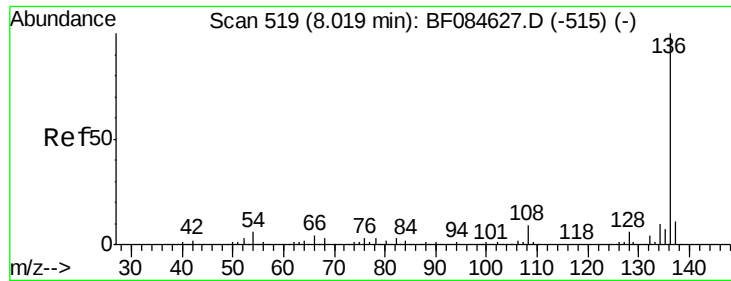
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

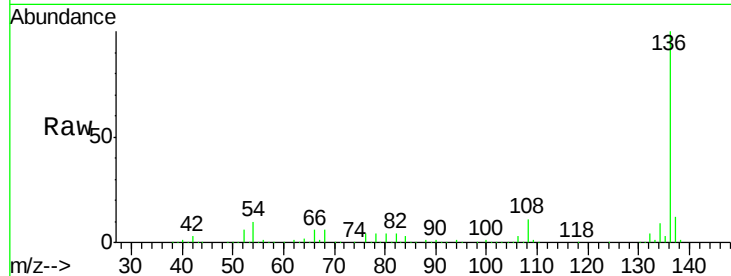




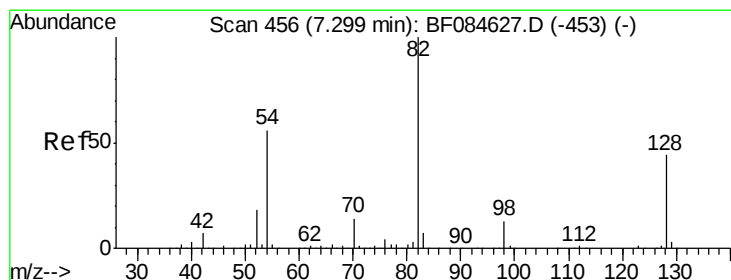
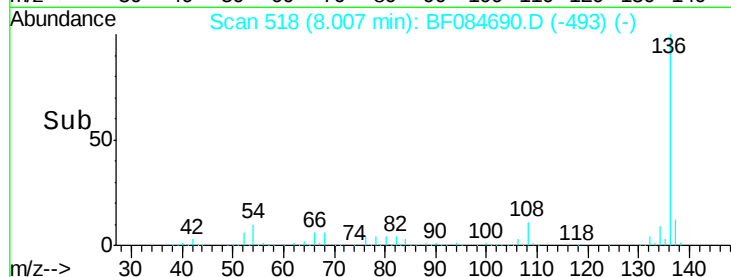
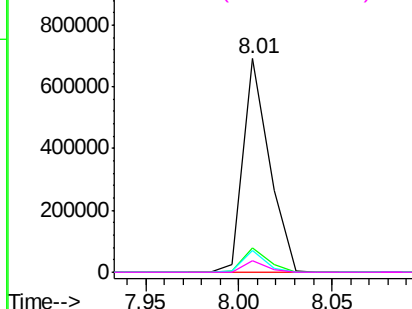
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084690.D
Acq: 30 Jan 2016 17:08

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

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

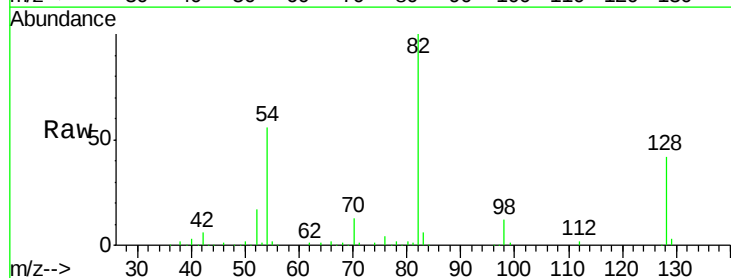


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

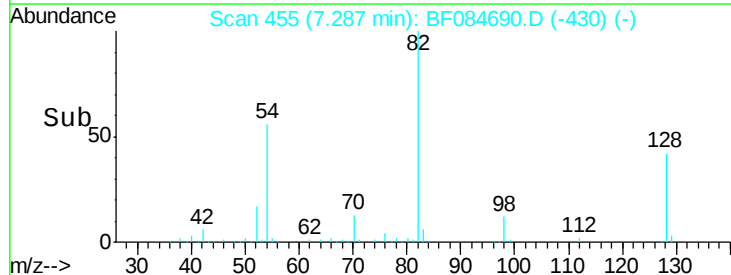
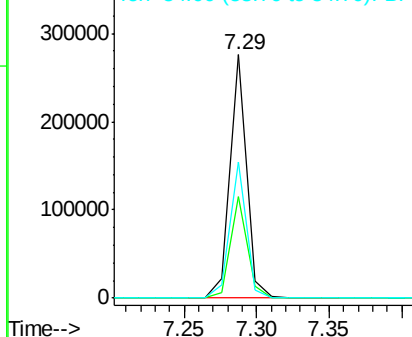


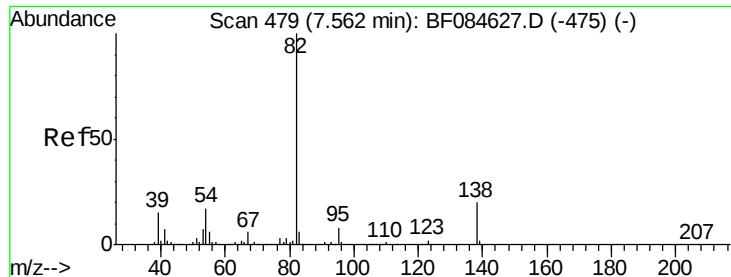
#23
Nitrobenzene-d5
Concen: 18.21 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084690.D
Acq: 30 Jan 2016 17:08

Tgt 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): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 9.06 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(0-3)

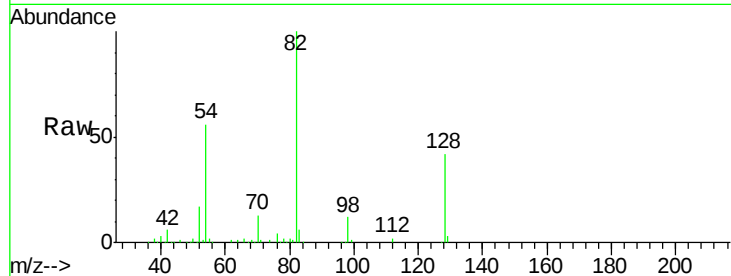
Tgt Ion: 82 Resp: 205147

Ion Ratio Lower Upper

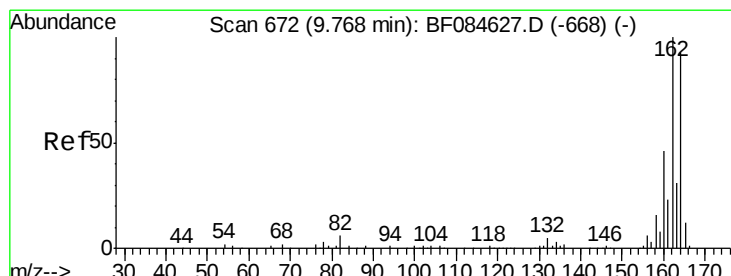
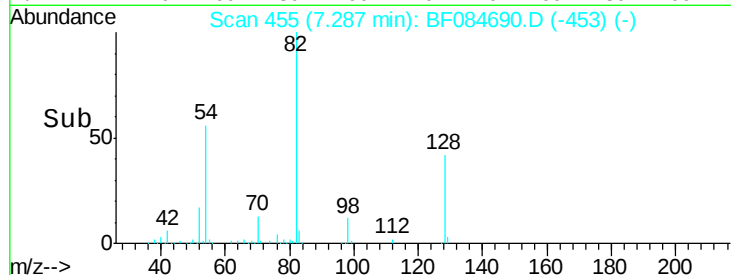
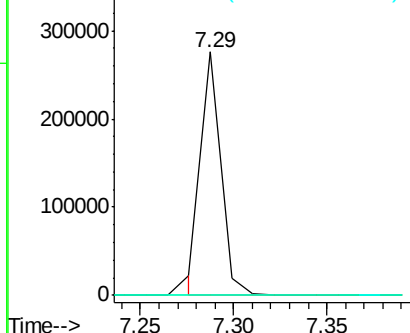
82 100

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: 9.77 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF084690.D

Acq: 30 Jan 2016 17:08

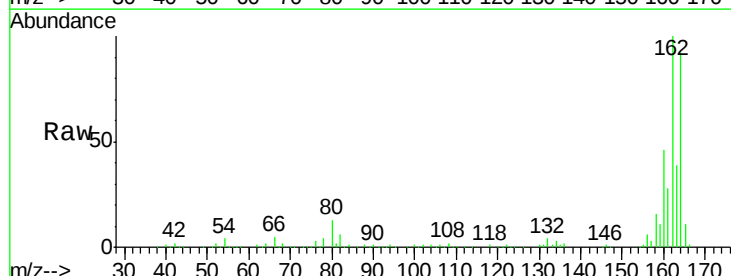
Tgt Ion: 164 Resp: 278689

Ion Ratio Lower Upper

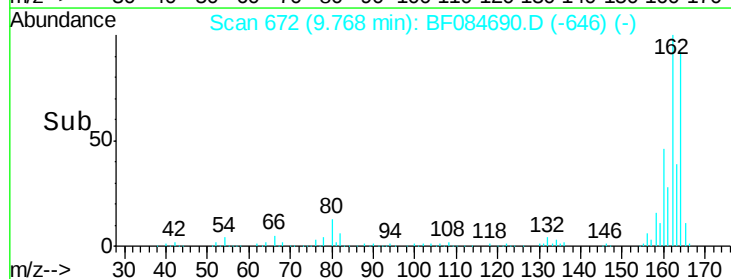
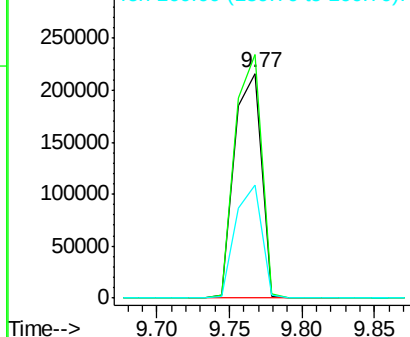
164 100

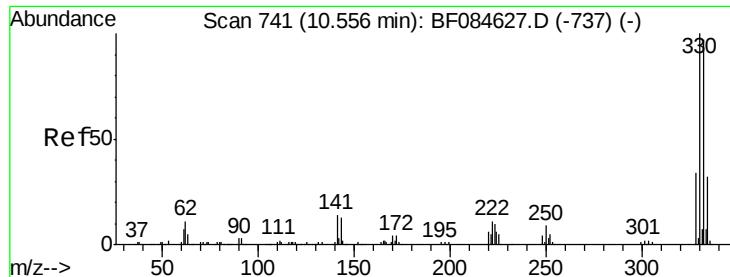
162 108.5 85.1 127.7

160 50.2 37.5 56.3



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

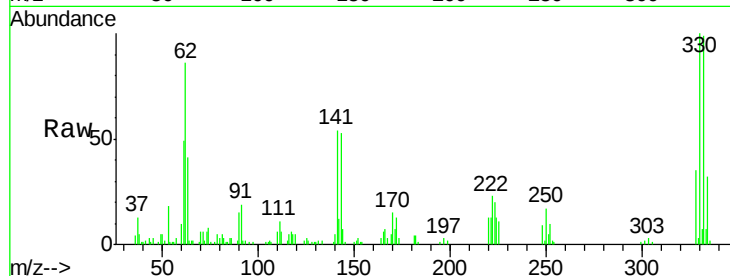




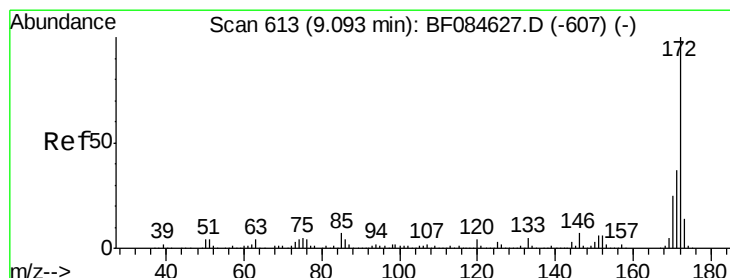
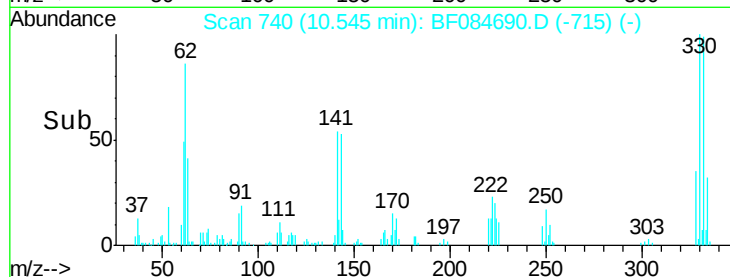
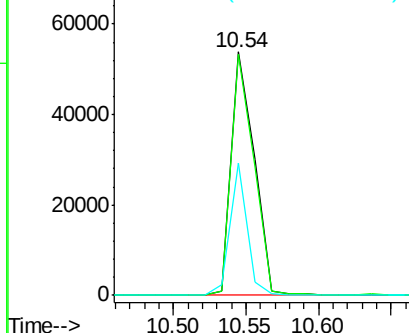
#41
 2,4,6-Tribromophenol
 Concen: 20.35 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084690.D
 Acq: 30 Jan 2016 17:08

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

Tgt Ion:330 Resp: 59449
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 114.8
 141 40.2 27.8 41.6

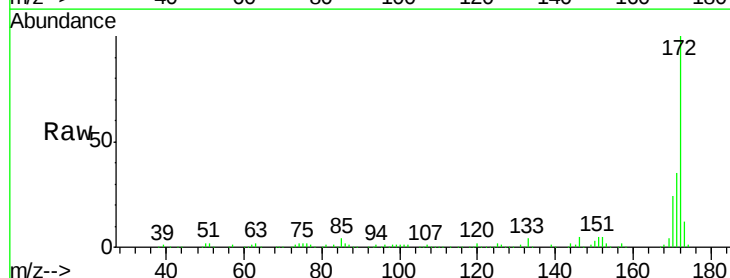


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

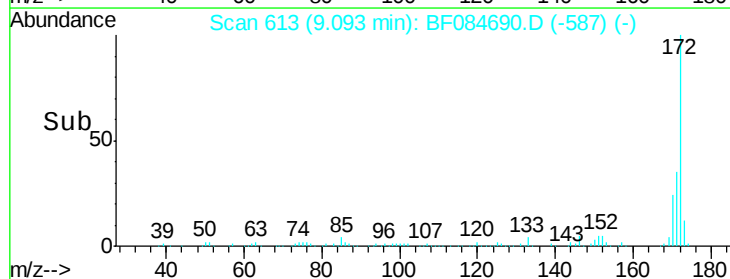
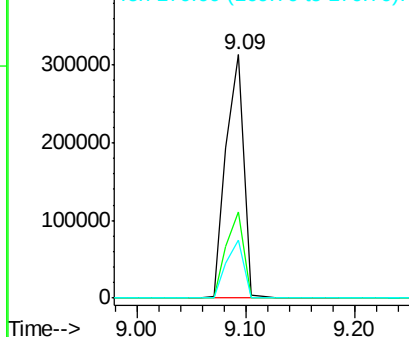


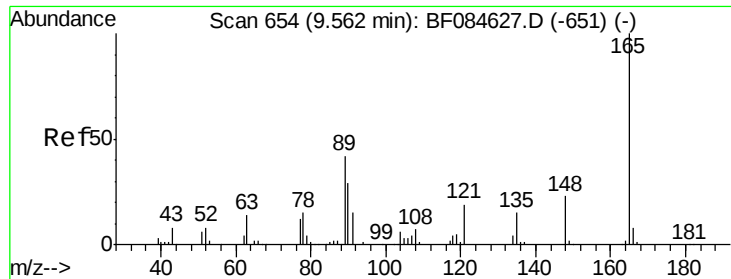
#44
 2-Fluorobiphenyl
 Concen: 18.85 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084690.D
 Acq: 30 Jan 2016 17:08

Tgt Ion:172 Resp: 353516
 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

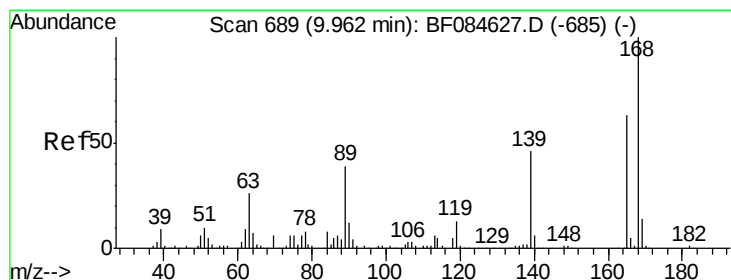
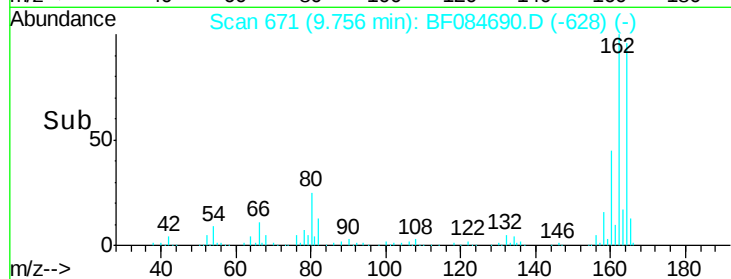
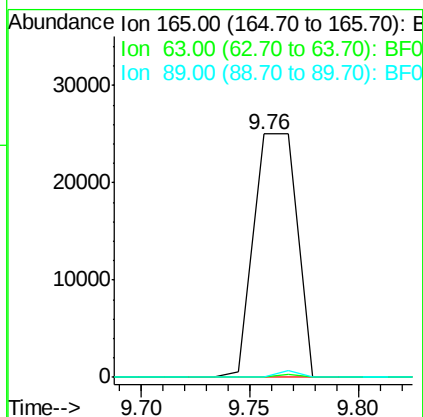
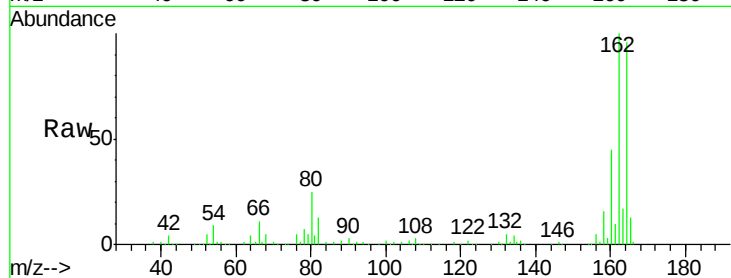




#50
 2,6-Dinitrotoluene
 Concen: 7.55 ng
 RT: 9.76 min Scan# 671
 Delta R.T. 0.19 min
 Lab File: BF084690.D
 Acq: 30 Jan 2016 17:08

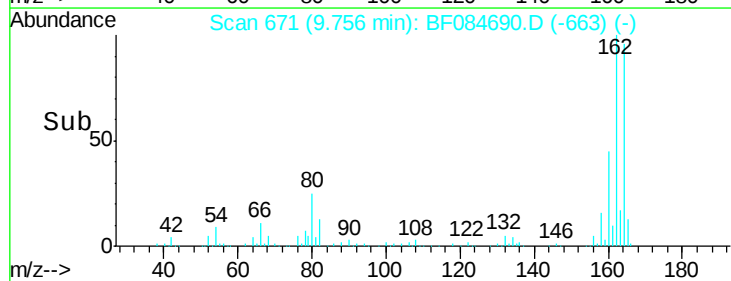
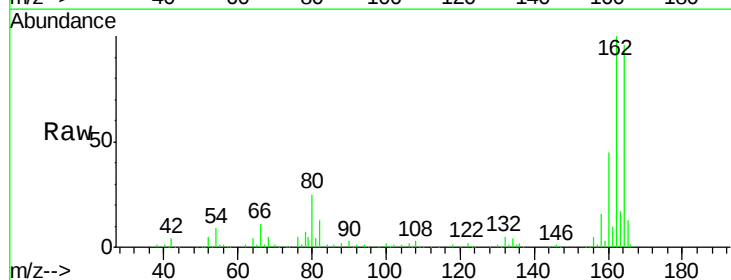
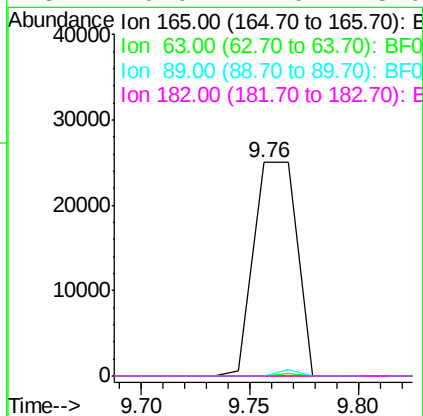
Instrument :
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 SUP-B015(0-3)

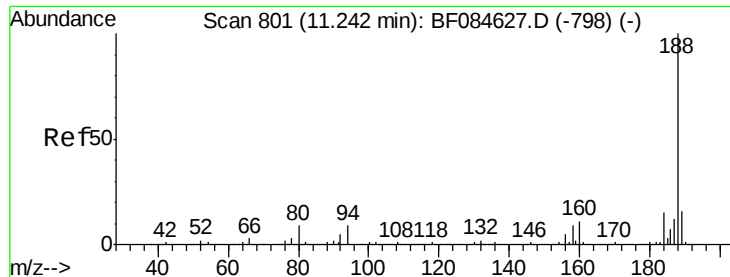
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	0.0	35.1	52.7#



#56
 2,4-Dinitrotoluene
 Concen: 5.81 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.21 min
 Lab File: BF084690.D
 Acq: 30 Jan 2016 17:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	0.0	61.9	92.9#
182	0.0	2.0	3.0#

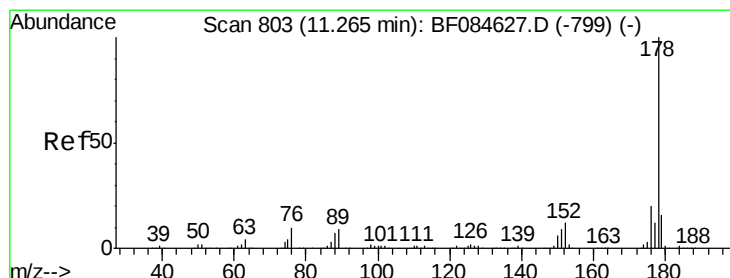
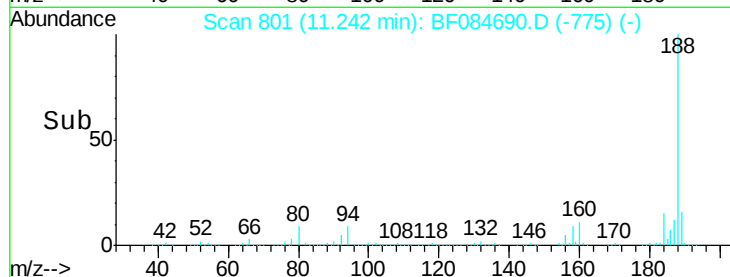
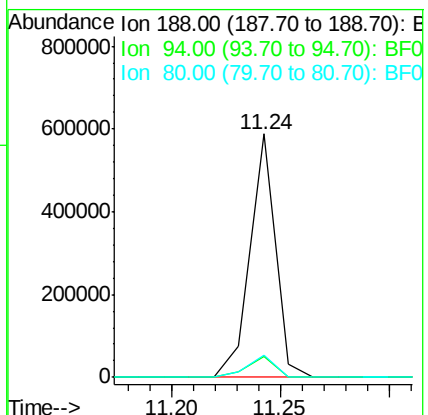
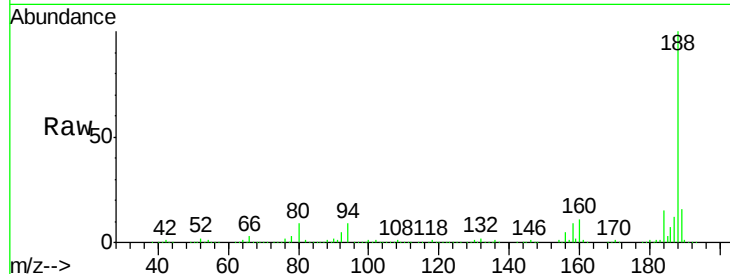




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084690.D
Acq: 30 Jan 2016 17:08

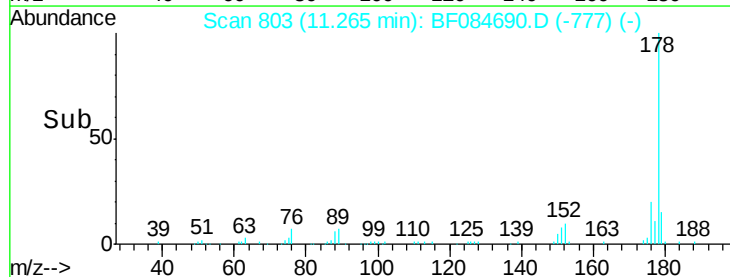
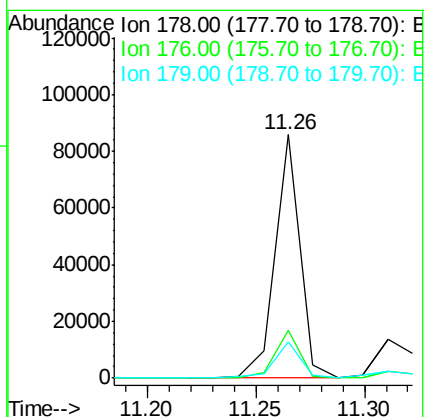
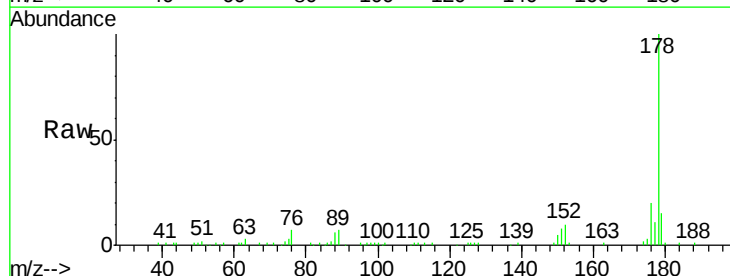
Instrument :
BNA_F
ClientSampleId :
SUP-B015(0-3)

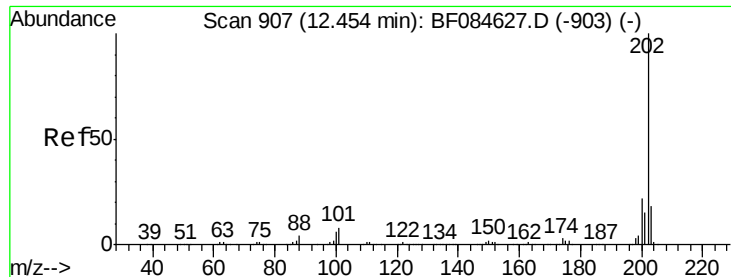
Tgt Ion:188 Resp: 477860
Ion Ratio Lower Upper
188 100
94 8.6 9.0 13.4#
80 8.9 9.6 14.4#



#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





#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)

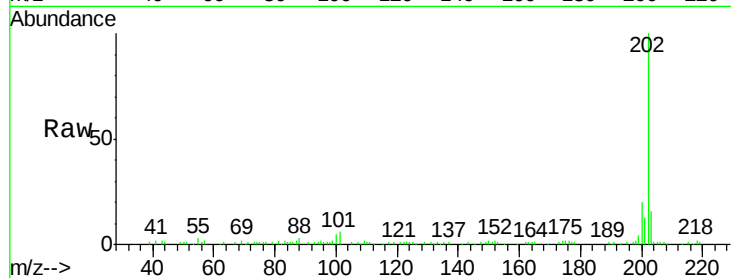
Tgt Ion:202 Resp: 91093

Ion Ratio Lower Upper

202 100

101 6.2 0.0 32.8

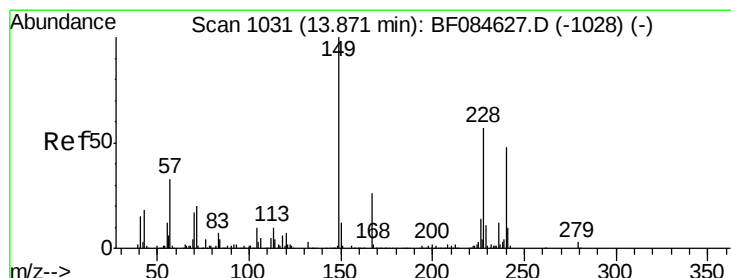
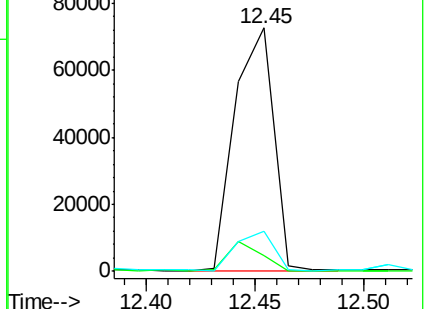
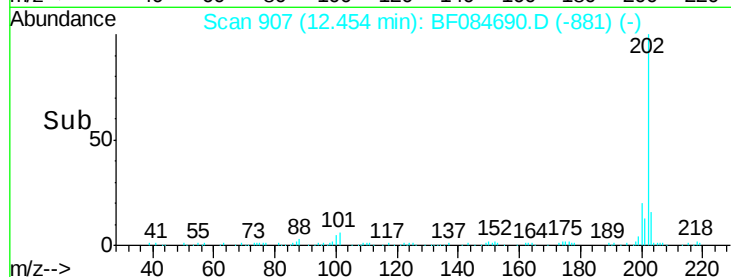
203 16.4 0.0 37.9



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

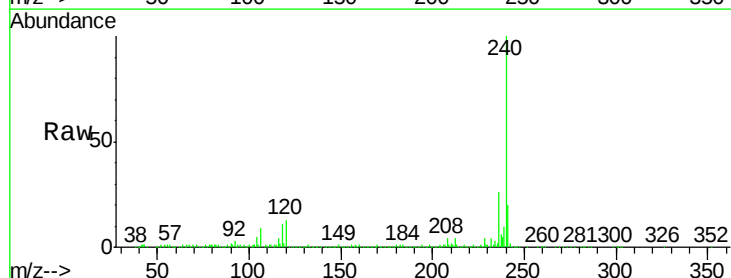
Tgt Ion:240 Resp: 421103

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

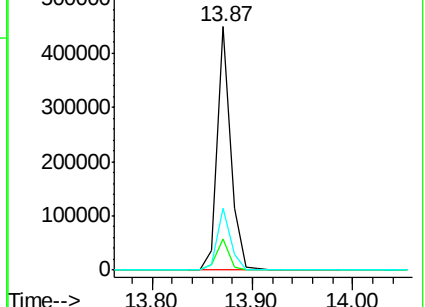
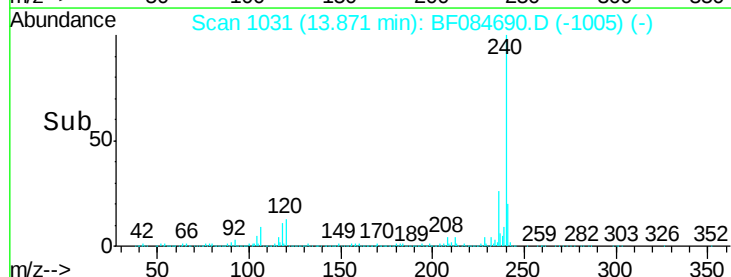
236 25.5 20.6 31.0

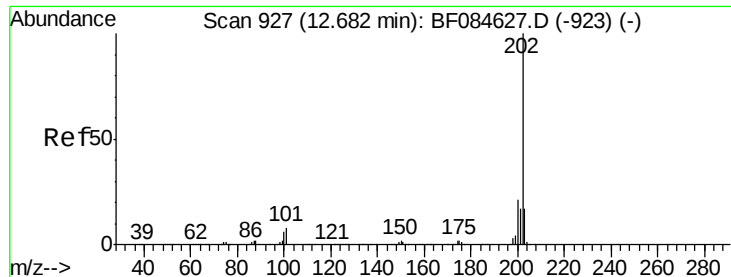


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

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 :

BNA_F

ClientSampleId :

SUP-B015(0-3)

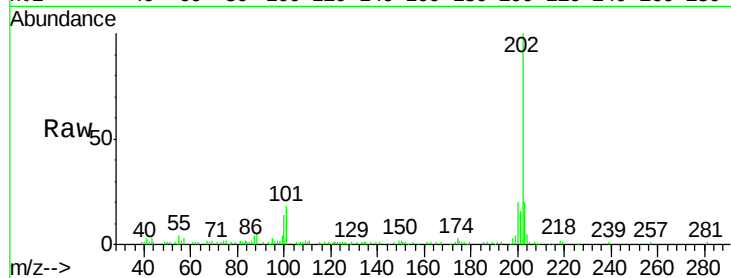
Tgt Ion:202 Resp: 89758

Ion Ratio Lower Upper

202 100

200 20.0 17.2 25.8

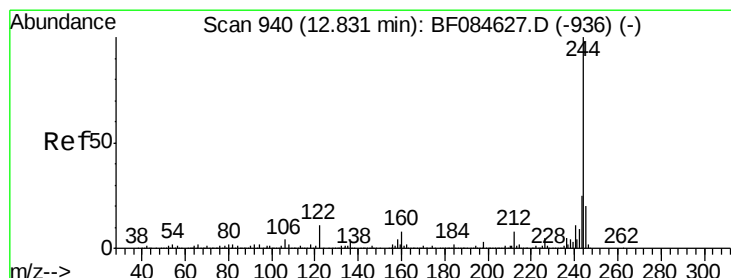
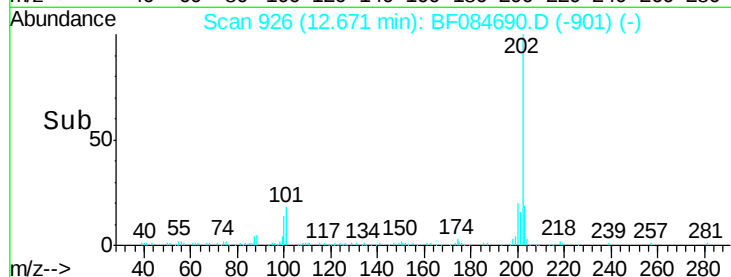
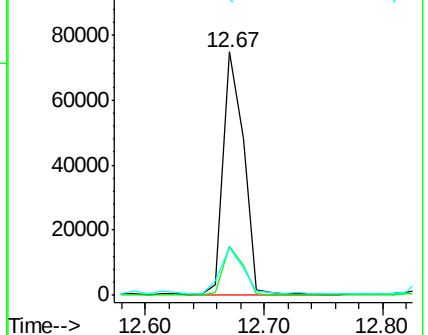
203 19.9 14.3 21.5



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

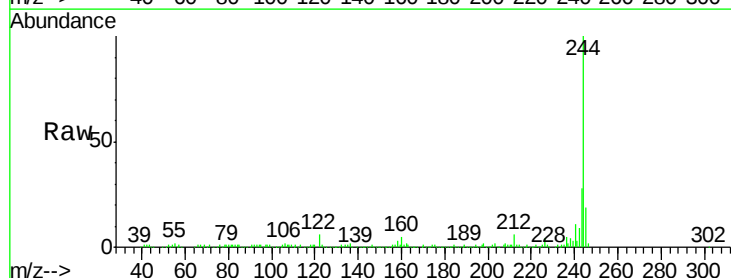
Tgt Ion:244 Resp: 269773

Ion Ratio Lower Upper

244 100

212 6.1 5.7 8.5

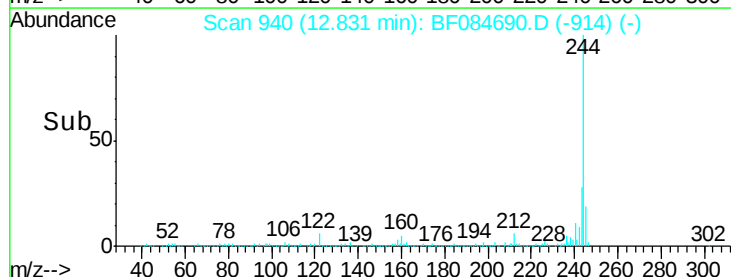
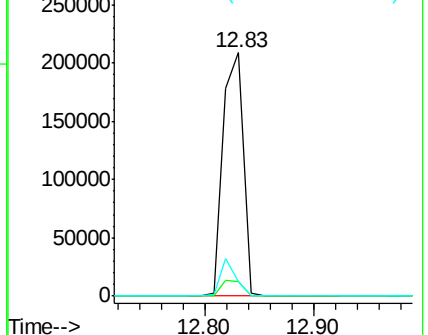
122 5.8 7.4 11.0#

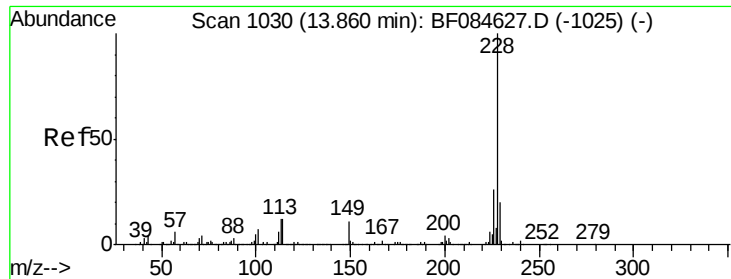


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

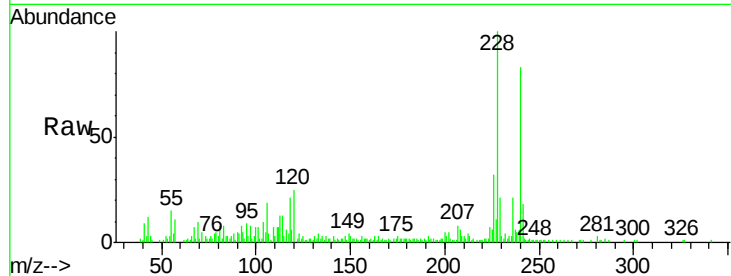




#80
Benzo(a)anthracene
Concen: 2.09 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF084690.D
Acq: 30 Jan 2016 17:08

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

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

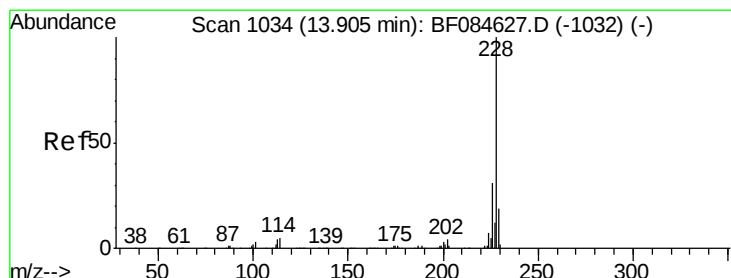
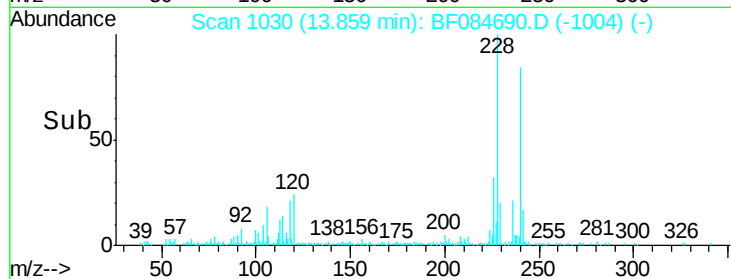
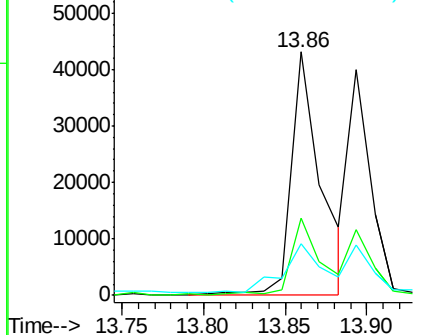


Abundance

Ion 228.00 (227.70 to 228.70): E

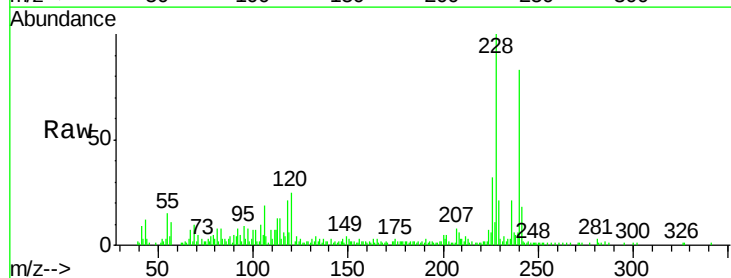
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 2.12 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF084690.D
Acq: 30 Jan 2016 17:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.3	36.5
229	21.2	16.1	24.1

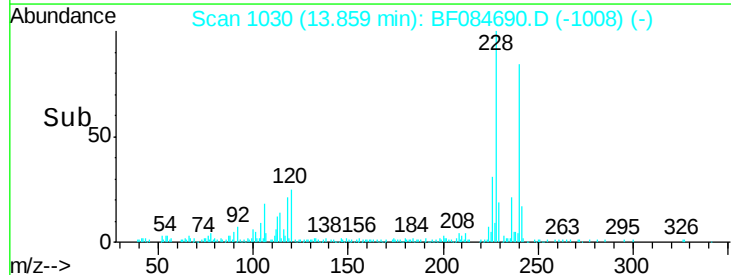
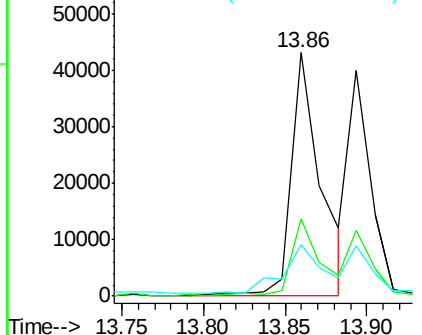


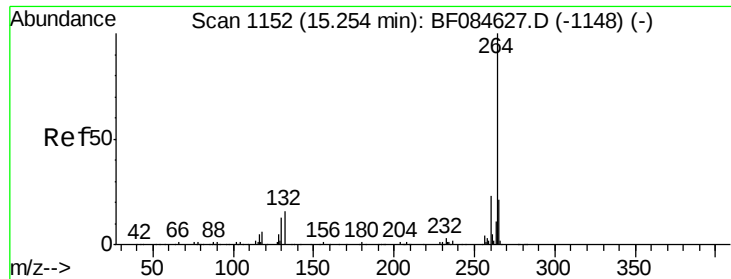
Abundance

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

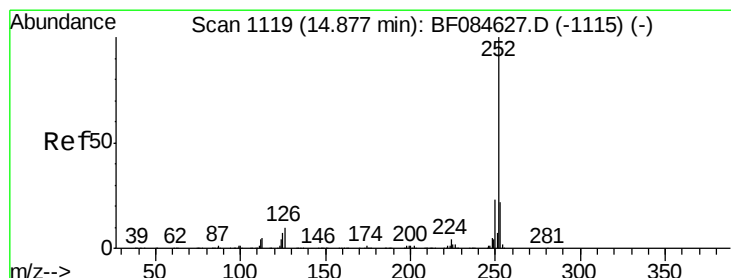
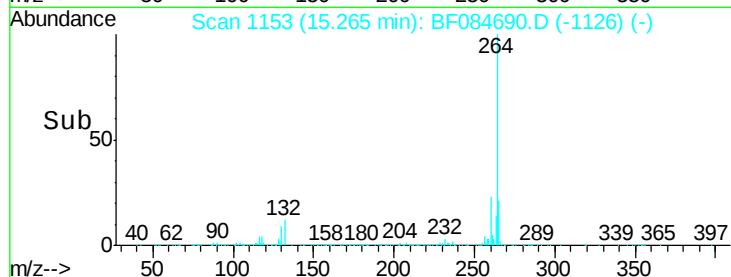
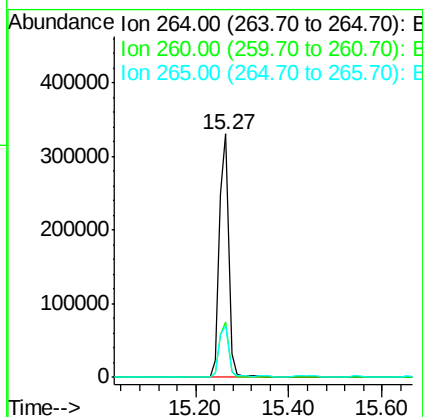
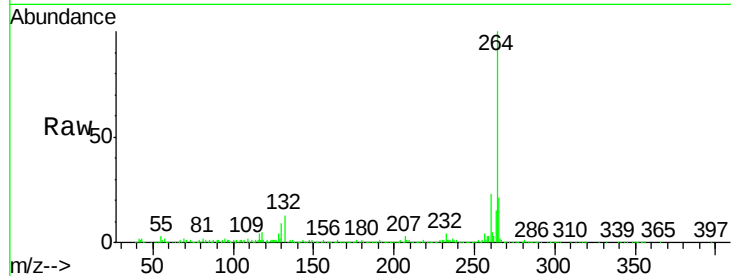




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF084690.D
Acq: 30 Jan 2016 17:08

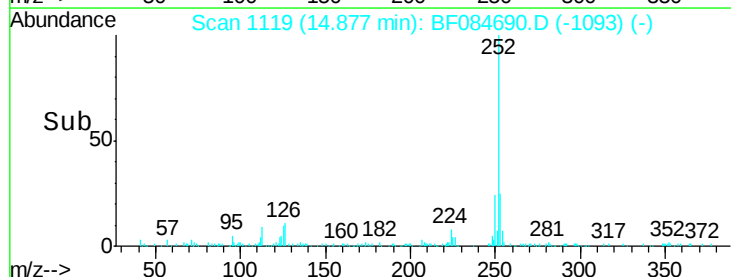
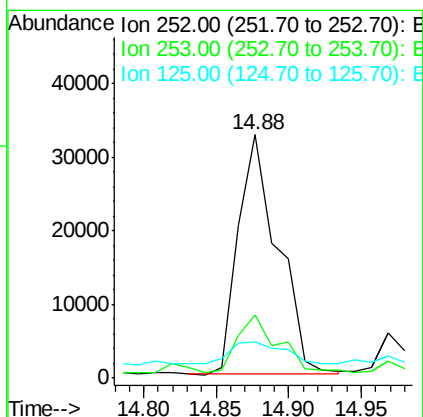
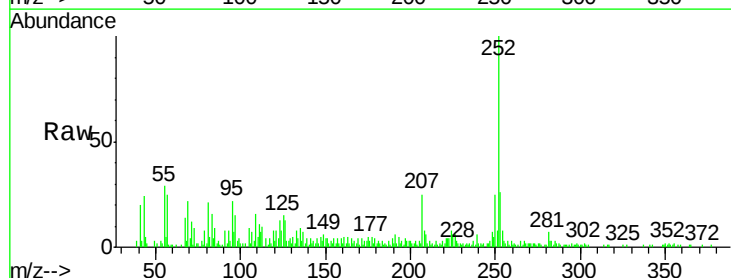
Instrument :
BNA_F
ClientSampleId :
SUP-B015(0-3)

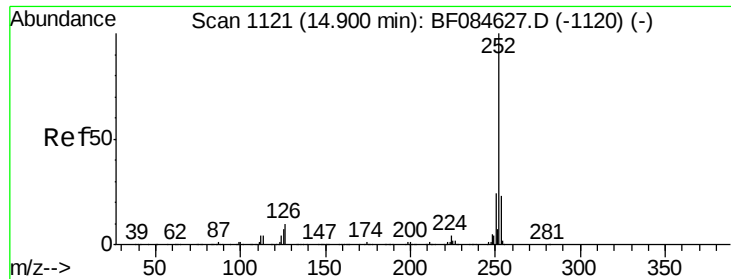
Tgt Ion:264 Resp: 451689
Ion Ratio Lower Upper
264 100
260 23.0 19.4 29.2
265 21.3 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 2.09 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF084690.D
Acq: 30 Jan 2016 17:08

Tgt Ion:252 Resp: 61173
Ion Ratio Lower Upper
252 100
253 25.9 17.3 25.9#
125 14.9 6.5 9.7#





#88

Benzo(k)fluoranthene

Concen: 2.52 ng

RT: 14.88 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF084690.D

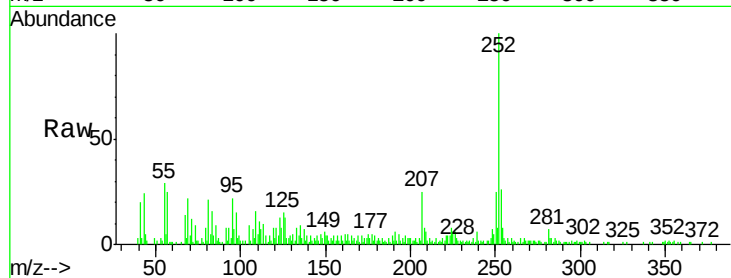
Acq: 30 Jan 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SUP-B015(0-3)



Tgt Ion:	252	Resp:	60914
Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.1	27.1
125	14.9	9.0	13.6

