

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084688.D
 Acq On : 30 Jan 2016 16:13
 Operator : SJ/IZ
 Sample : H1272-10 5X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B014(10-11.5)

Quant Time: Feb 01 00:28:55 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

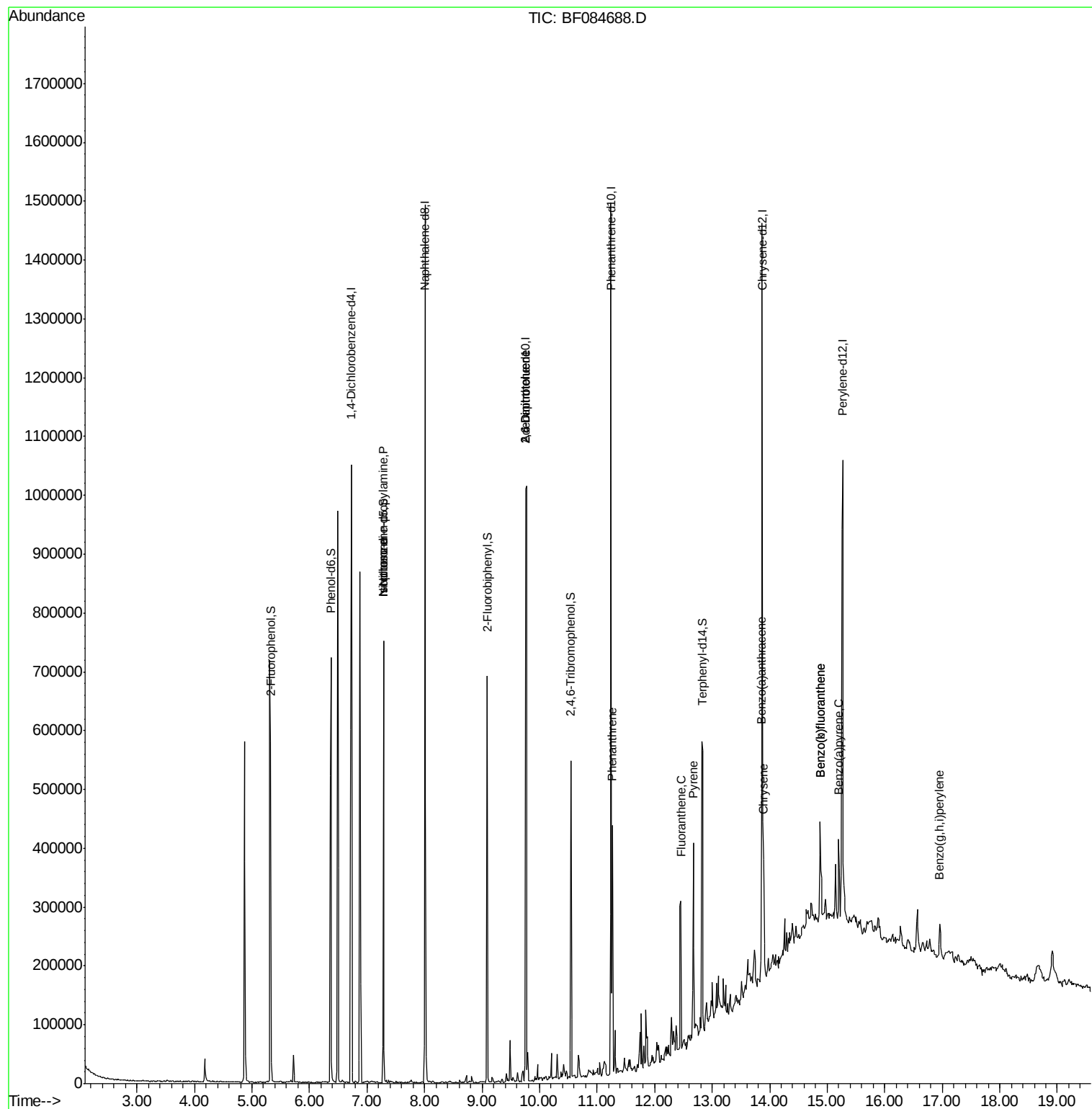
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	185578	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	691783	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	296489	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	502618	20.00	ng	0.00
75) Chrysene-d12	13.87	240	389544	20.00	ng	0.00
86) Perylene-d12	15.27	264	424379	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	268116	21.81	ng	0.01
7) Phenol-d6	6.37	99	323162	21.93	ng	0.00
23) Nitrobenzene-d5	7.29	82	202738	16.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	53258	17.14	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	328465	16.47	ng	0.00
78) Terphenyl-d14	12.83	244	219366	12.72	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	26668	2.96	ng	# 71
25) Isophorone	7.29	82	189879	8.19	ng	# 66
50) 2,6-Dinitrotoluene	9.76	165	38485	7.86	ng	# 38
56) 2,4-Dinitrotoluene	9.76	165	38485	6.05	ng	# 22
70) Phenanthrene	11.26	178	150382	5.41	ng	100
74) Fluoranthene	12.45	202	149232	5.43	ng	92
77) Pyrene	12.67	202	160093	5.45	ng	97
80) Benzo(a)anthracene	13.86	228	96608	3.98	ng	99
82) Chrysene	13.89	228	68657	2.87	ng	99
87) Benzo(b)fluoranthene	14.88	252	112679	4.10	ng	# 93
88) Benzo(k)fluoranthene	14.88	252	112445	4.95	ng	# 97
89) Benzo(a)pyrene	15.20	252	68800	2.89	ng	# 89
91) Benzo(g,h,i)perylene	16.96	276	45856	2.12	ng	96

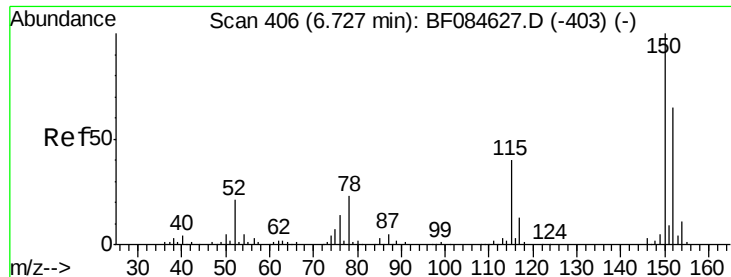
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 29 12:54:53 2016
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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: BF084688.D

Acq: 30 Jan 2016 16:13

Instrument :

BNA_F

ClientSampleId :

SUP-B014(10-11.5)

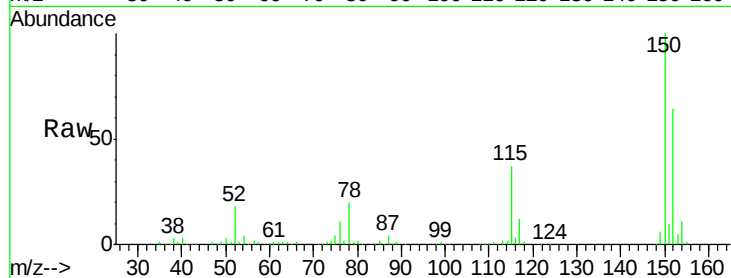
Tgt Ion:152 Resp: 185578

Ion Ratio Lower Upper

152 100

150 156.6 123.0 184.4

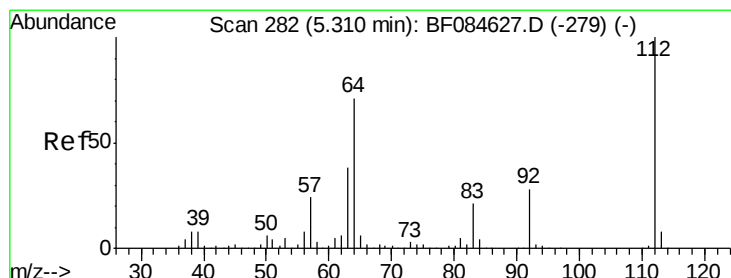
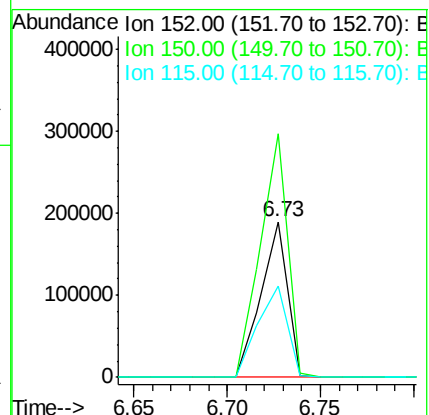
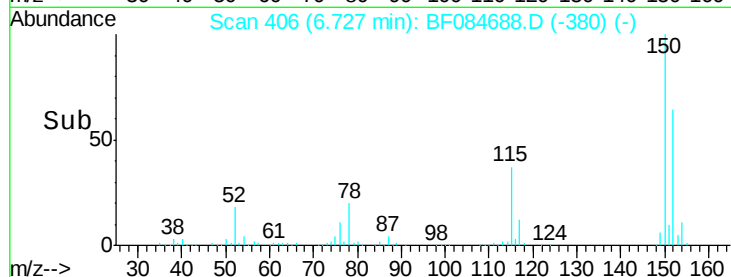
115 58.6 51.4 77.2



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: 21.81 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084688.D

Acq: 30 Jan 2016 16:13

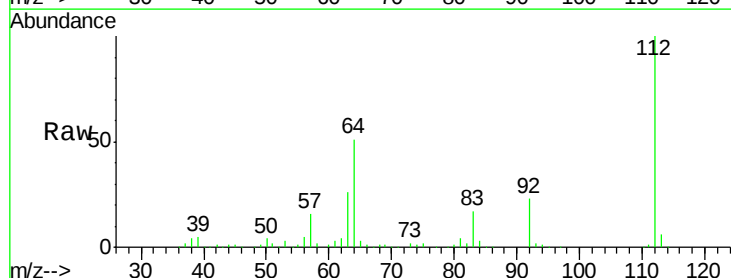
Tgt Ion:112 Resp: 268116

Ion Ratio Lower Upper

112 100

64 50.7 36.6 55.0

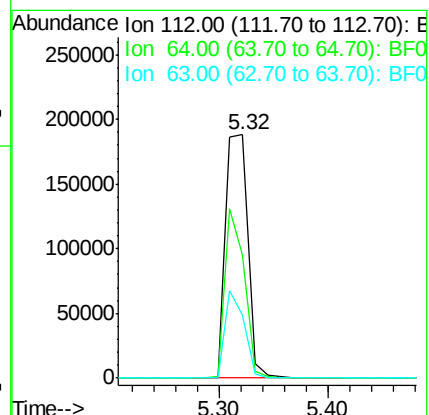
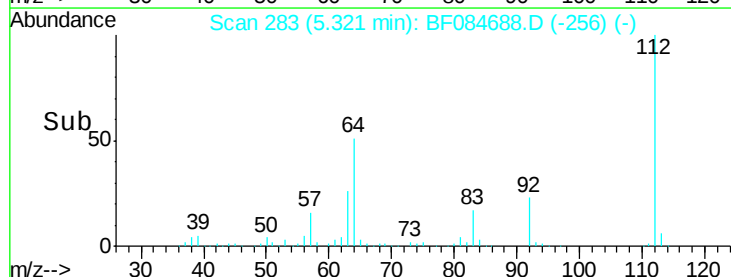
63 25.8 19.4 29.0

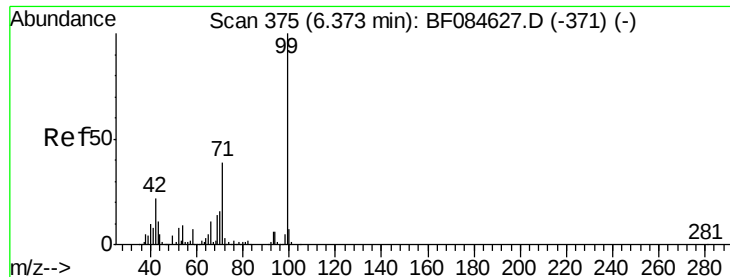


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.93 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084688.D

Acq: 30 Jan 2016 16:13

Instrument :

BNA_F

ClientSampleId :

SUP-B014(10-11.5)

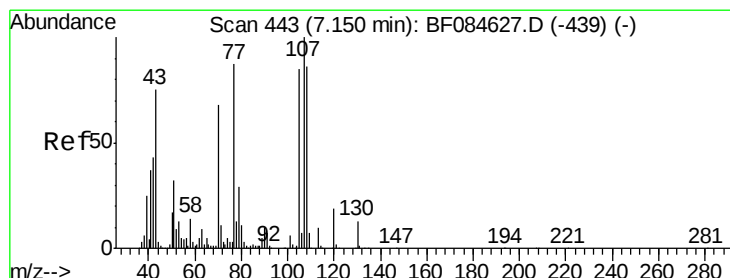
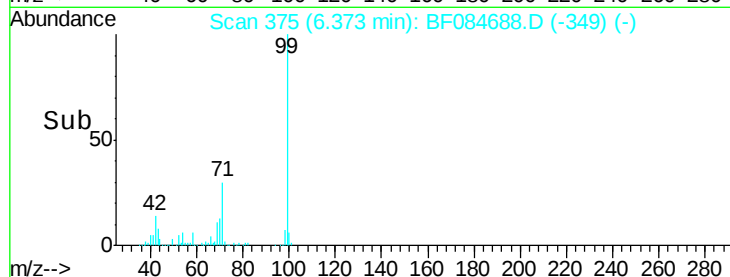
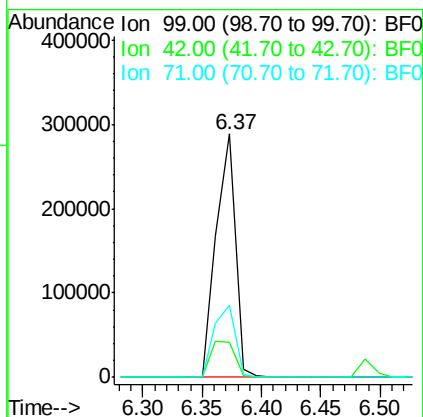
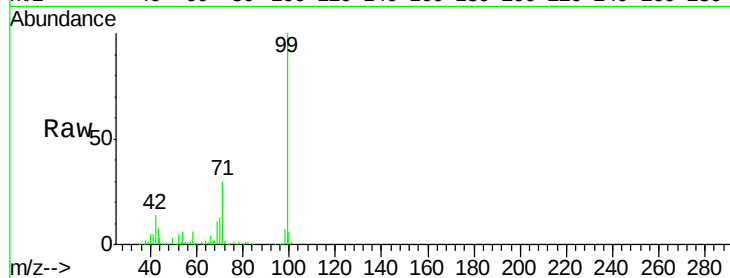
Tgt Ion: 99 Resp: 323162

Ion Ratio Lower Upper

99 100

42 14.5 12.8 19.2

71 29.8 30.9 46.3#



#19

n-Nitroso-di-n-propylamine

Concen: 2.96 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.14 min

Lab File: BF084688.D

Acq: 30 Jan 2016 16:13

Tgt Ion: 70 Resp: 26668

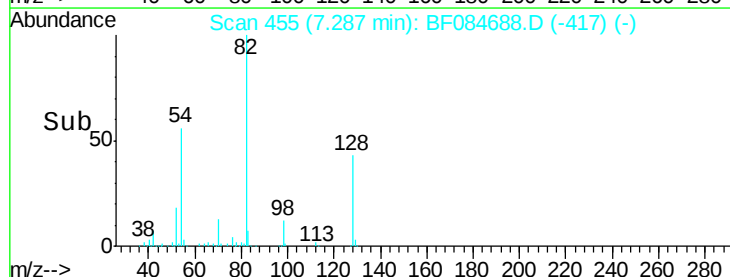
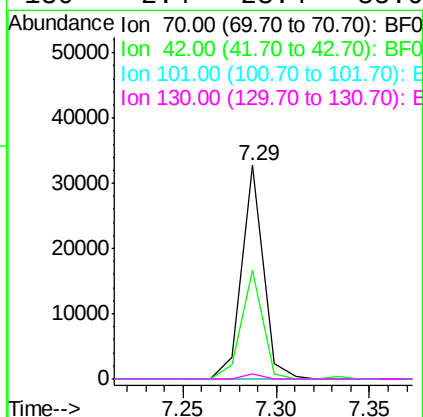
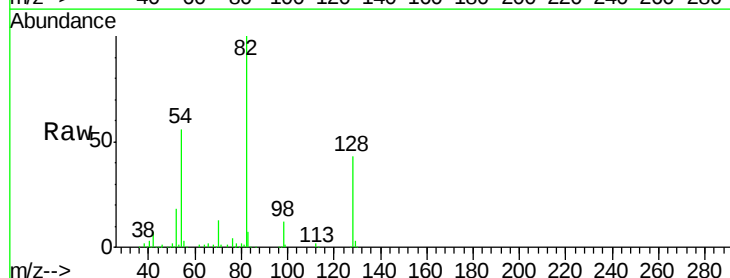
Ion Ratio Lower Upper

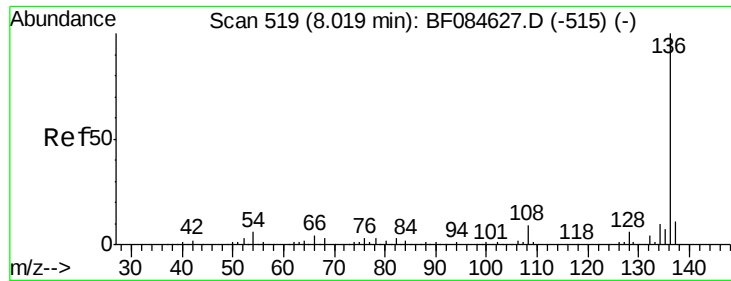
70 100

42 50.9 33.3 49.9#

101 0.0 9.3 13.9#

130 2.4 23.4 35.0#

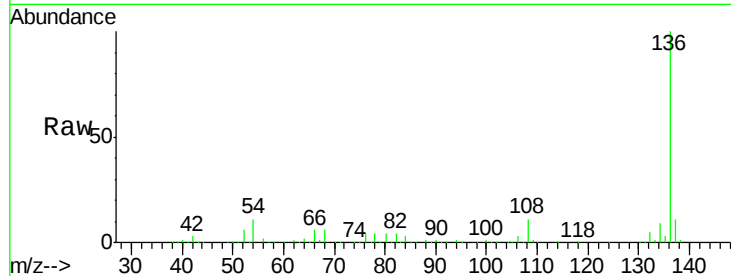




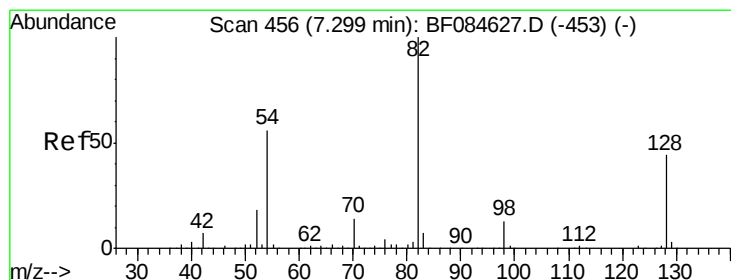
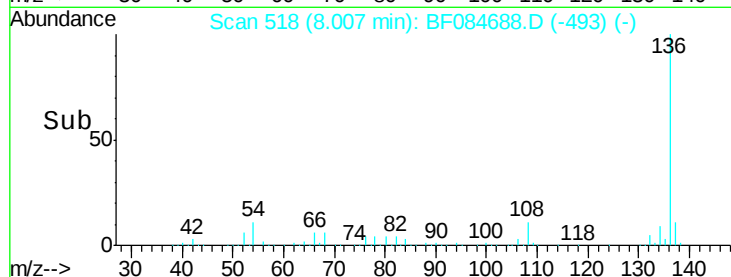
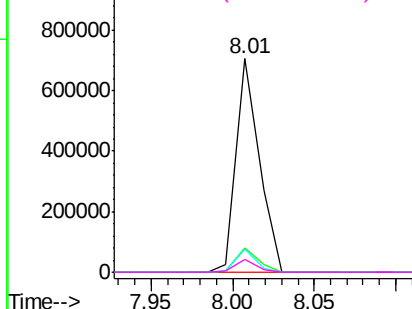
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084688.D
Acq: 30 Jan 2016 16:13

Instrument :
BNA_F
ClientSampleId :
SUP-B014(10-11.5)

Tgt Ion:	136	Resp:	691783
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	10.6	5.8	8.8#
68	6.0	4.2	6.2

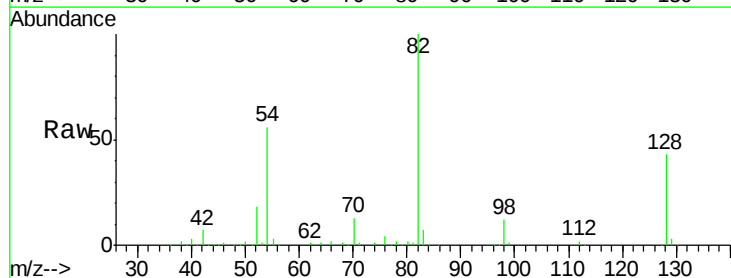


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

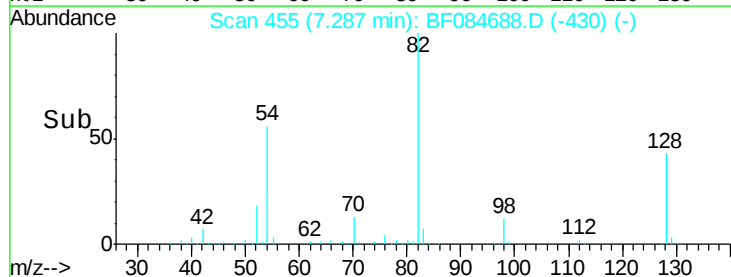
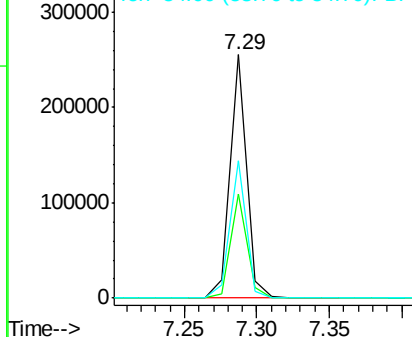


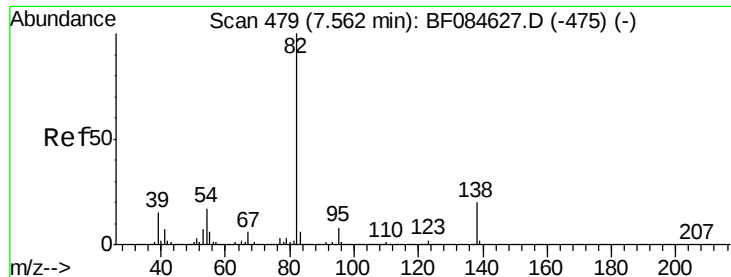
#23
Nitrobenzene-d5
Concen: 16.38 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084688.D
Acq: 30 Jan 2016 16:13

Tgt Ion:	82	Resp:	202738
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	51.8
54	56.3	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: 8.19 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF084688.D

Acq: 30 Jan 2016 16:13

Instrument :

BNA_F

ClientSampleId :

SUP-B014(10-11.5)

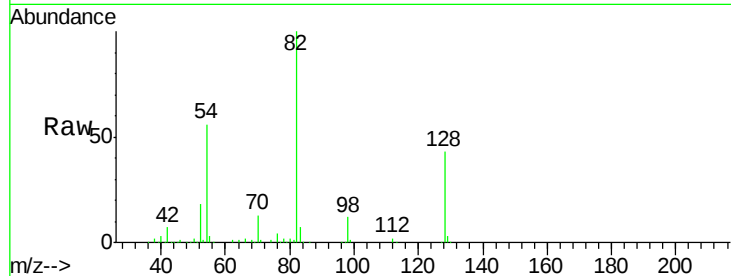
Tgt Ion: 82 Resp: 189879

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

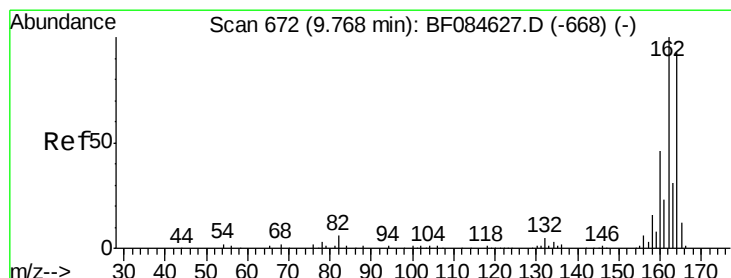
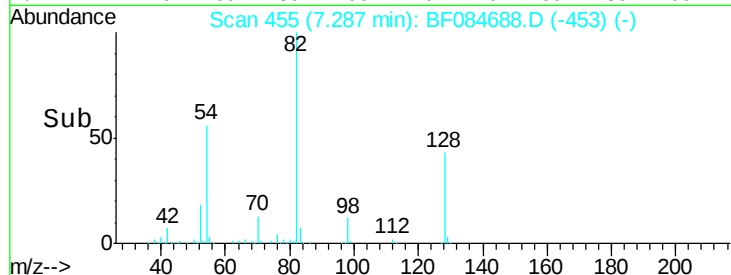
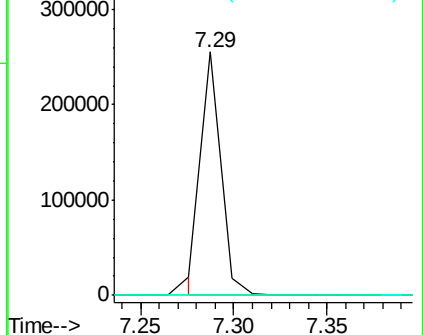
138 0.0 13.6 20.4#



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: BF084688.D

Acq: 30 Jan 2016 16:13

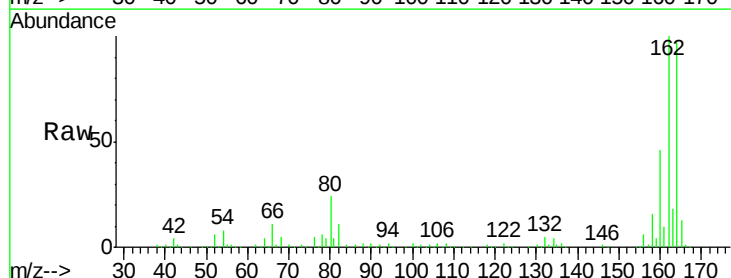
Tgt Ion: 164 Resp: 296489

Ion Ratio Lower Upper

164 100

162 102.7 85.1 127.7

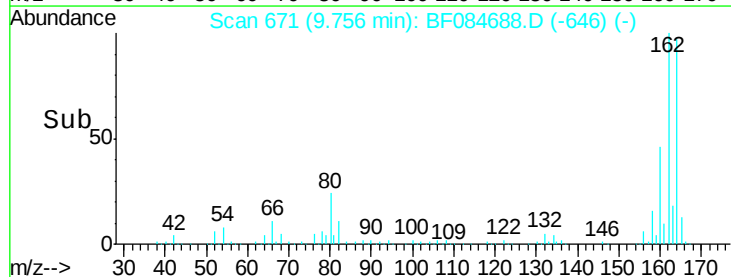
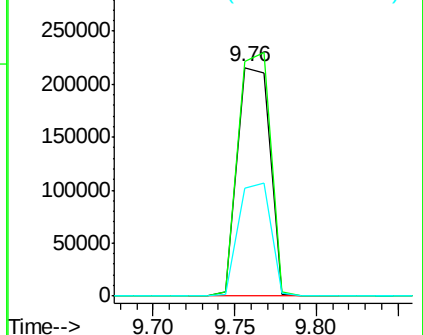
160 47.3 37.5 56.3

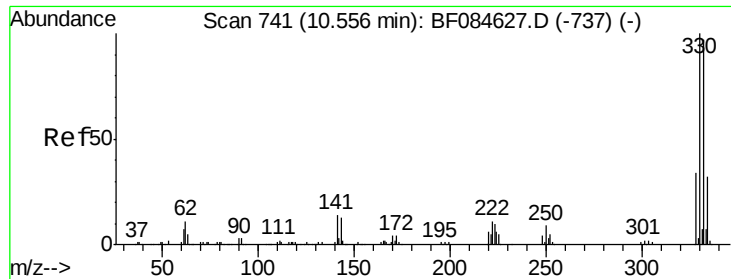


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

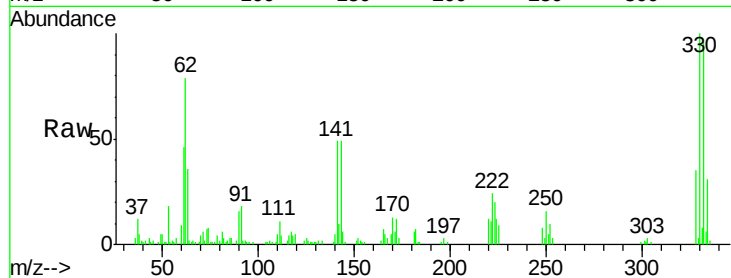




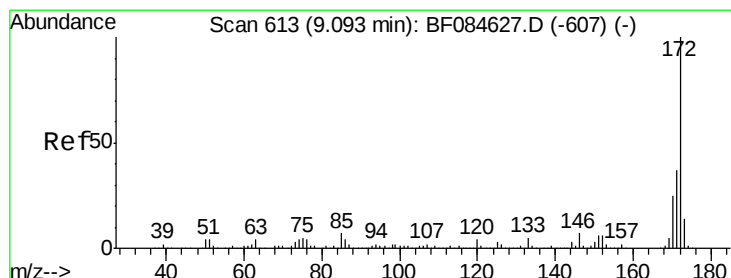
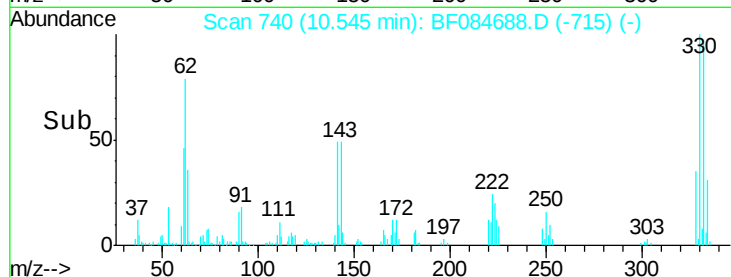
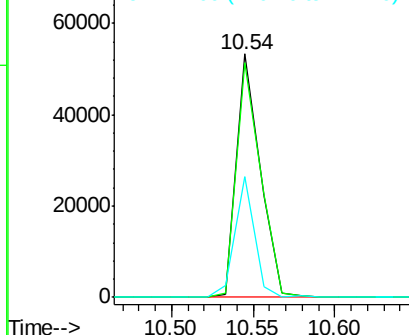
#41
 2,4,6-Tribromophenol
 Concen: 17.14 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084688.D
 Acq: 30 Jan 2016 16:13

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B014(10-11.5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.6	114.8
141	40.9	27.8	41.6

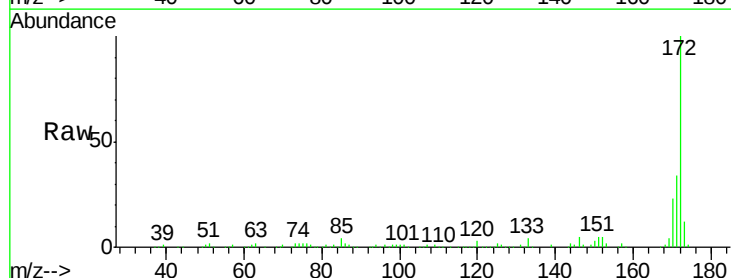


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

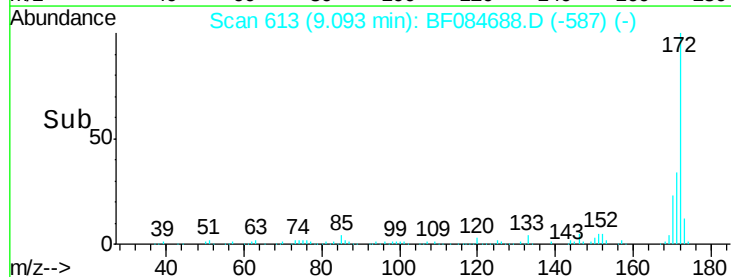
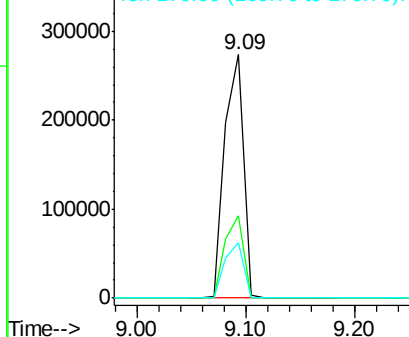


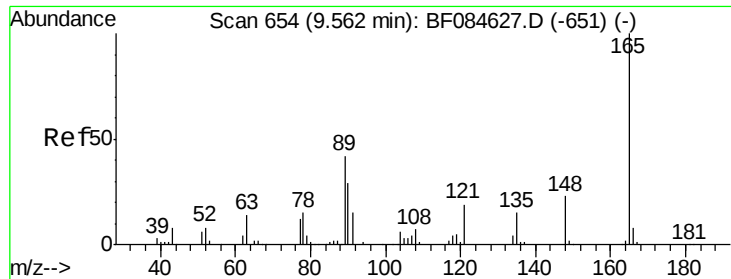
#44
 2-Fluorobiphenyl
 Concen: 16.47 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084688.D
 Acq: 30 Jan 2016 16:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.9	43.3
170	22.9	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

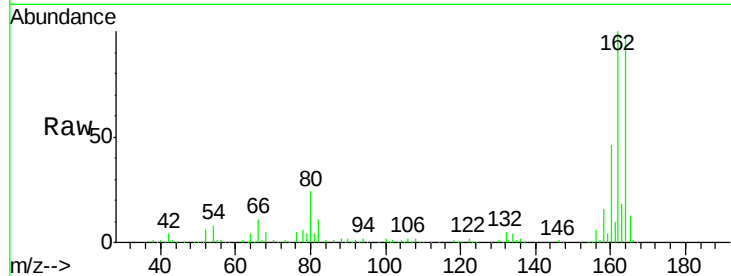




#50
 2,6-Dinitrotoluene
 Concen: 7.86 ng
 RT: 9.76 min Scan# 671
 Delta R.T. 0.19 min
 Lab File: BF084688.D
 Acq: 30 Jan 2016 16:13

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B014(10-11.5)

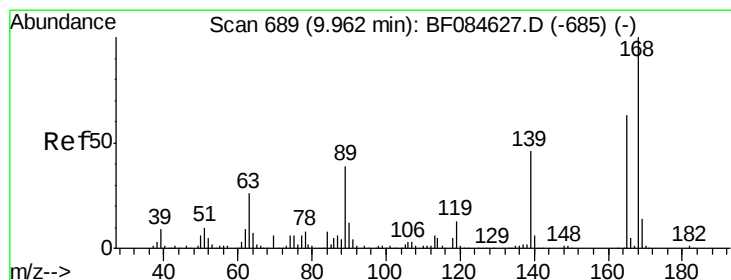
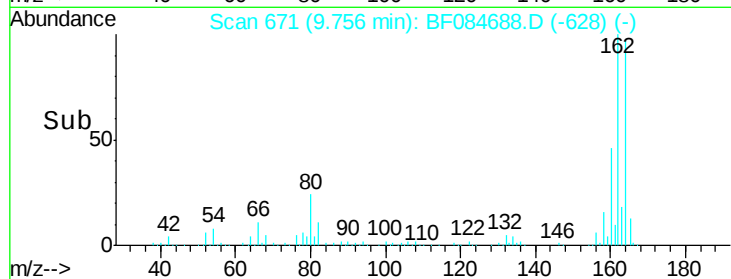
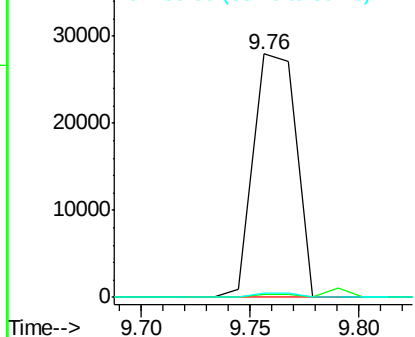
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.8	43.2#
89	1.9	35.1	52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.05 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.21 min
 Lab File: BF084688.D
 Acq: 30 Jan 2016 16:13

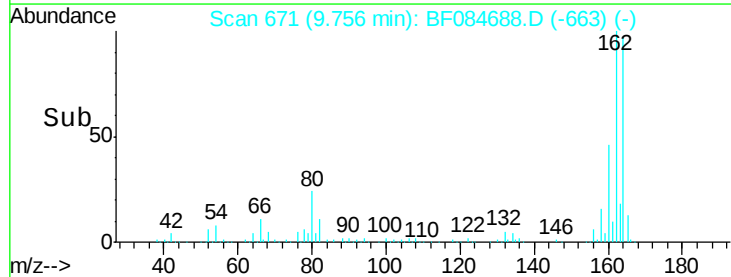
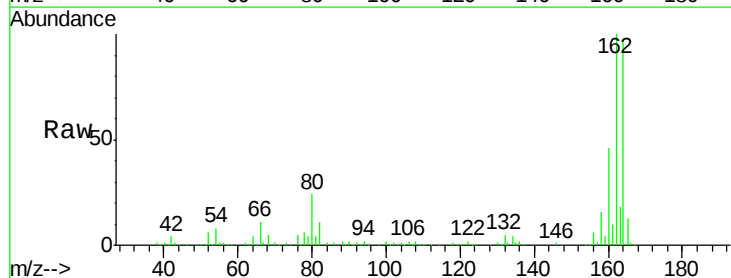
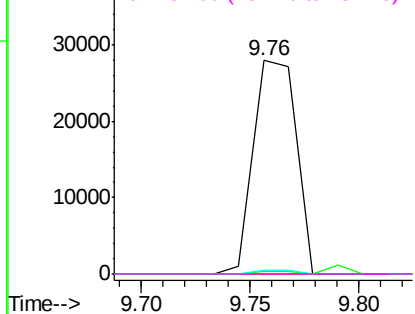
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.7	55.1#
89	1.9	61.9	92.9#
182	0.0	2.0	3.0#

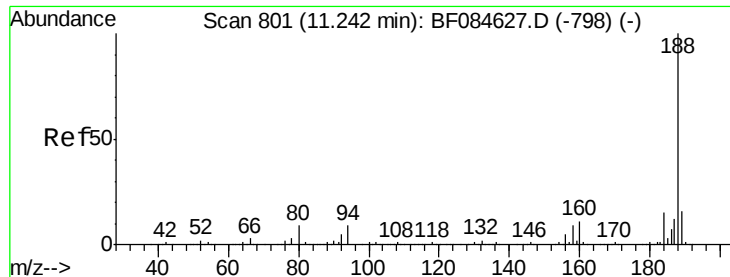
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

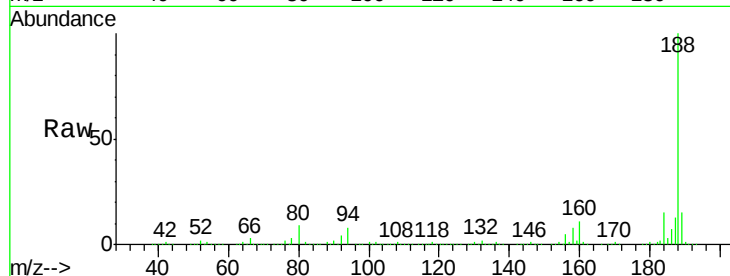




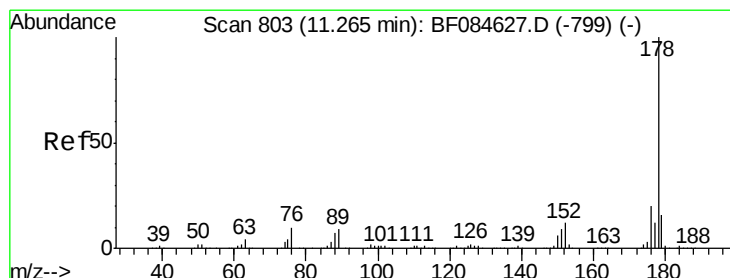
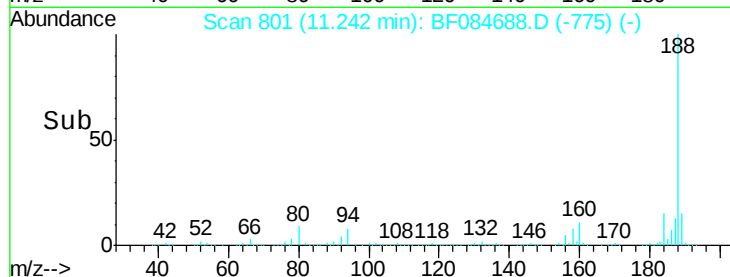
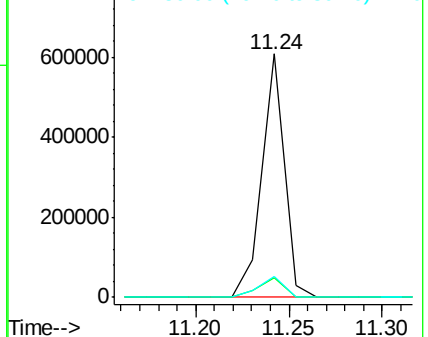
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084688.D
Acq: 30 Jan 2016 16:13

Instrument :
BNA_F
ClientSampleId :
SUP-B014(10-11.5)

Tgt Ion:188 Resp: 502618
Ion Ratio Lower Upper
188 100
94 8.1 9.0 13.4#
80 8.6 9.6 14.4#

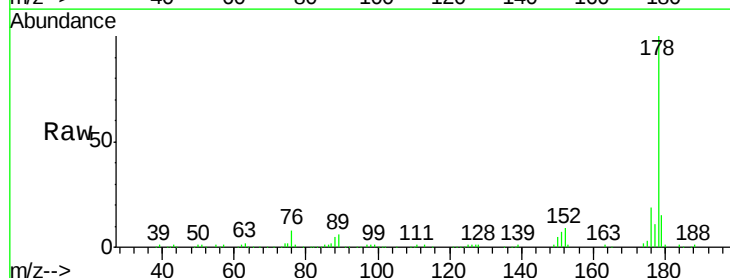


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

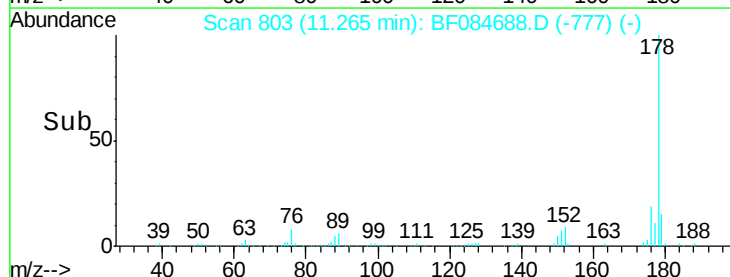
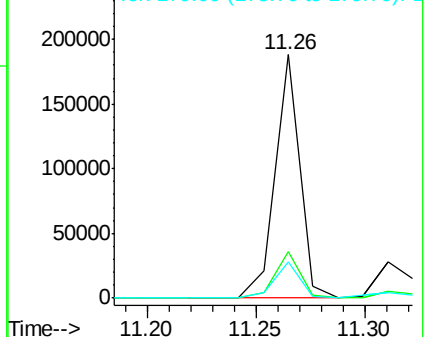


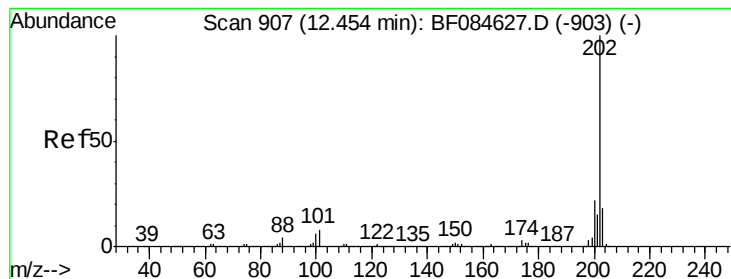
#70
Phenanthrene
Concen: 5.41 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF084688.D
Acq: 30 Jan 2016 16:13

Tgt Ion:178 Resp: 150382
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.1 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: 5.43 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084688.D

Acq: 30 Jan 2016 16:13

Instrument :

BNA_F

ClientSampleId :

SUP-B014(10-11.5)

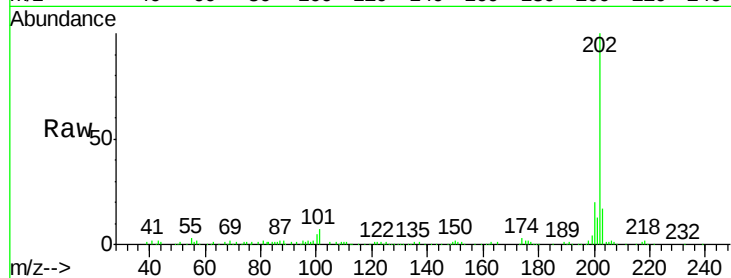
Tgt Ion: 202 Resp: 149232

Ion Ratio Lower Upper

202 100

101 6.9 0.0 32.8

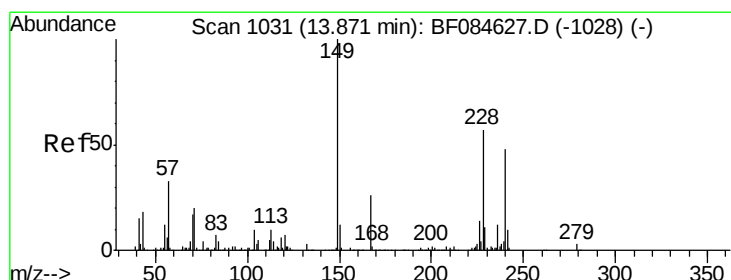
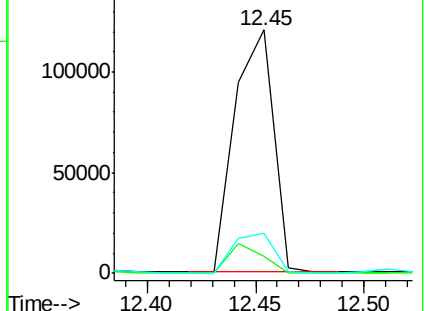
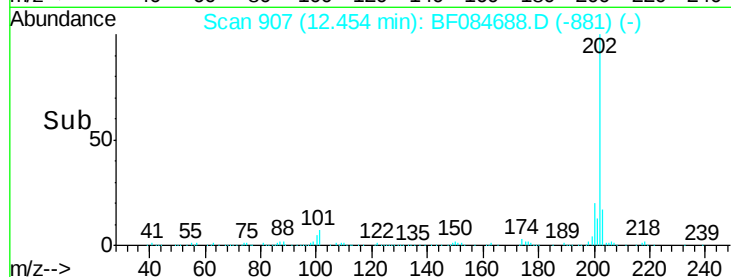
203 16.7 0.0 37.9



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: BF084688.D

Acq: 30 Jan 2016 16:13

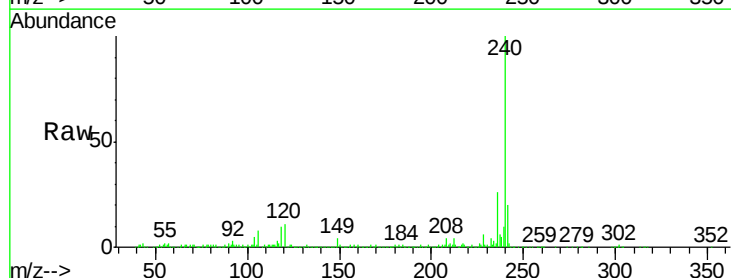
Tgt Ion: 240 Resp: 389544

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

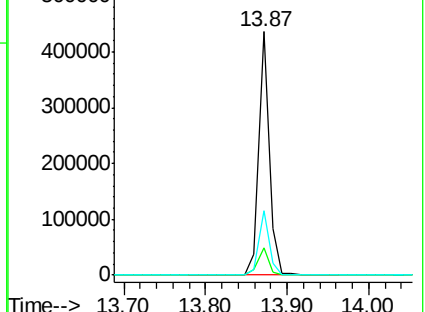
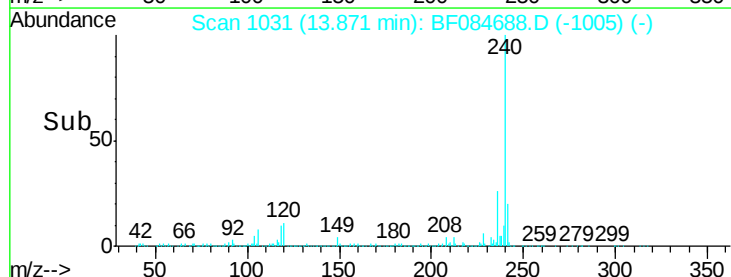
236 26.3 20.6 31.0

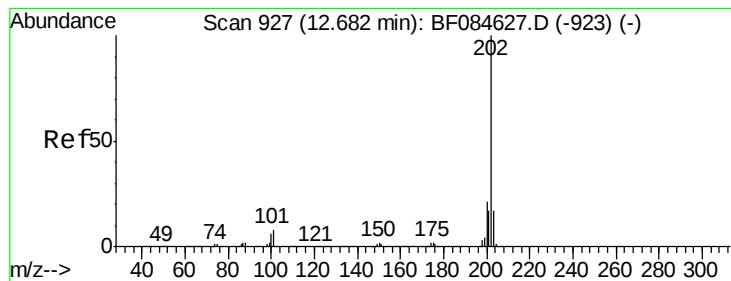


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.45 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084688.D

Acq: 30 Jan 2016 16:13

Instrument :

BNA_F

ClientSampleId :

SUP-B014(10-11.5)

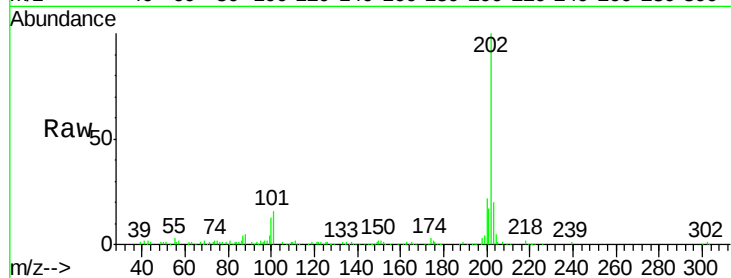
Tgt Ion:202 Resp: 160093

Ion Ratio Lower Upper

202 100

200 21.8 17.2 25.8

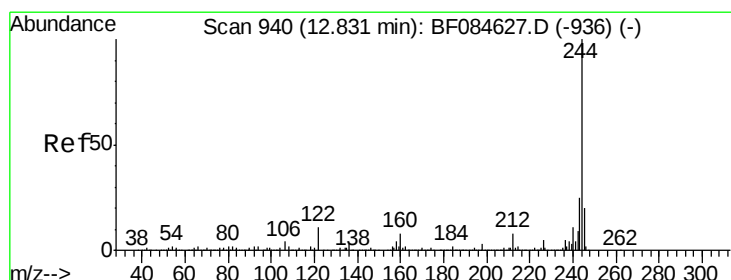
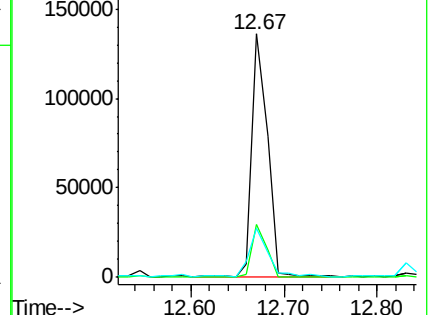
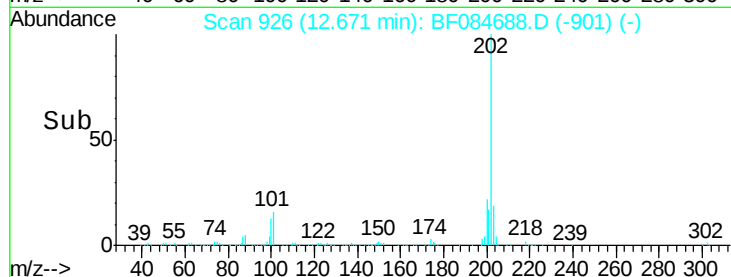
203 20.4 14.3 21.5



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: 12.72 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084688.D

Acq: 30 Jan 2016 16:13

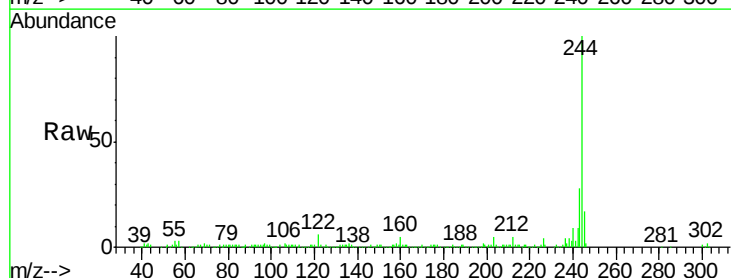
Tgt Ion:244 Resp: 219366

Ion Ratio Lower Upper

244 100

212 5.4 5.7 8.5#

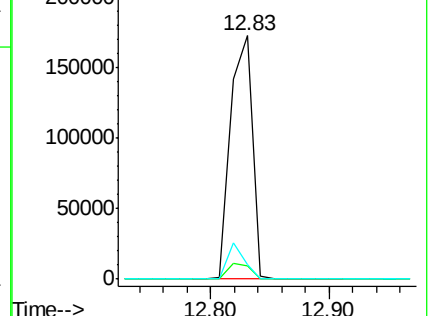
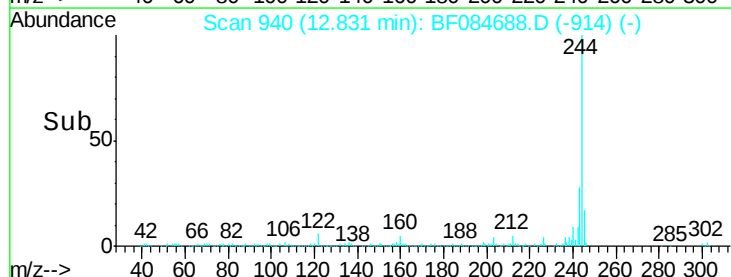
122 6.1 7.4 11.0#

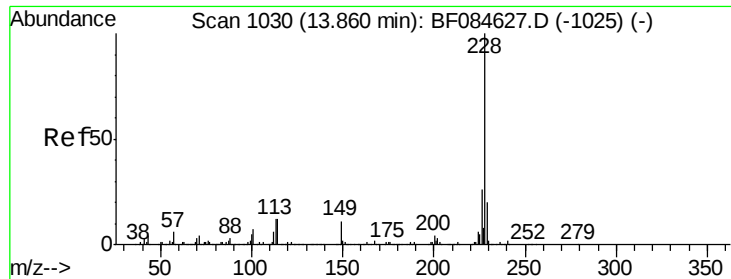


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

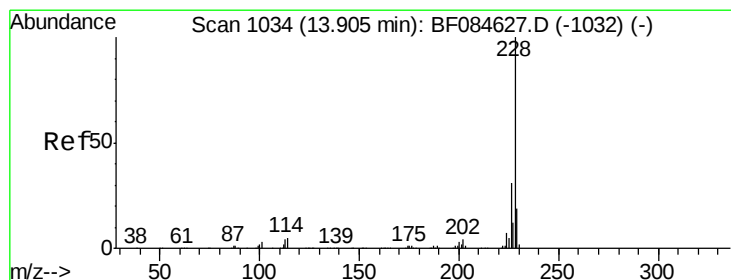
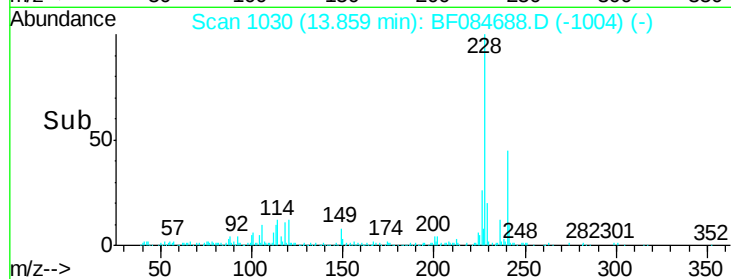
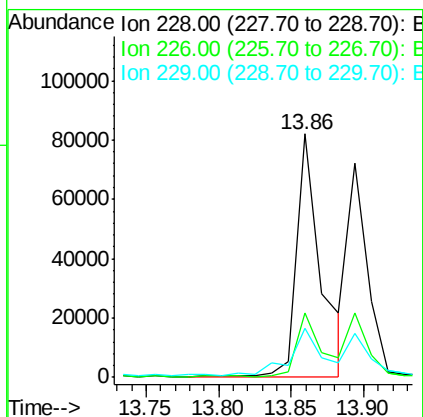
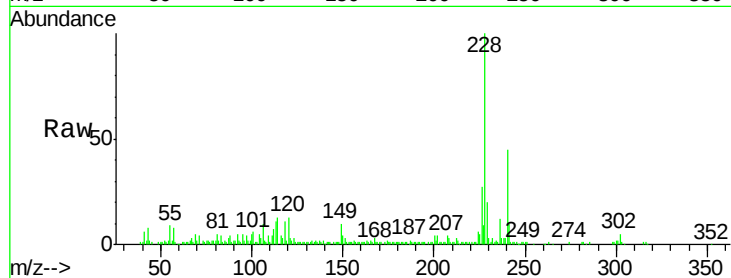




#80
Benzo(a)anthracene
Concen: 3.98 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF084688.D
Acq: 30 Jan 2016 16:13

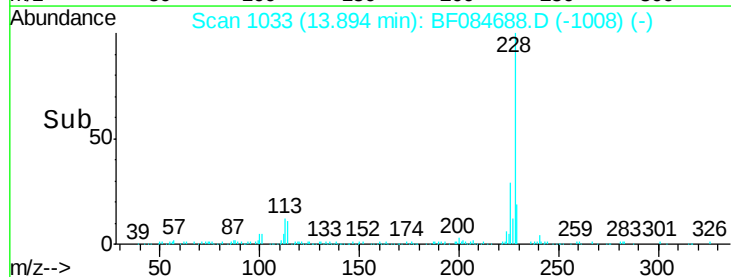
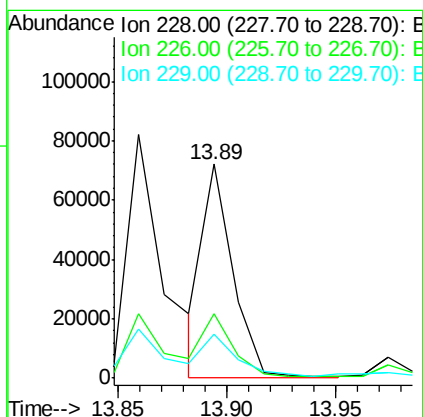
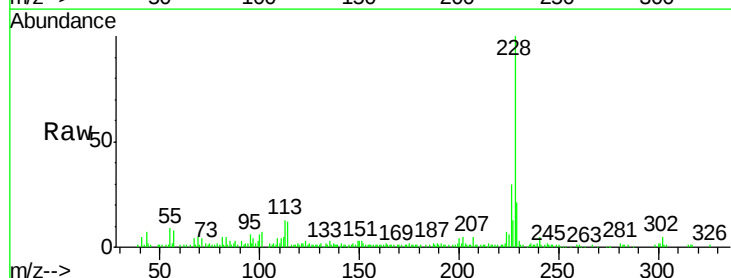
Instrument :
BNA_F
ClientSampleId :
SUP-B014(10-11.5)

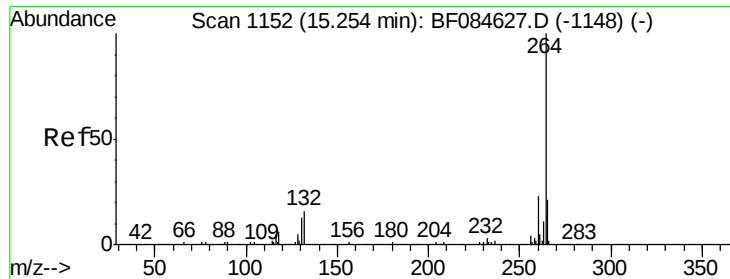
Tgt Ion:228 Resp: 96608
Ion Ratio Lower Upper
228 100
226 26.6 21.8 32.6
229 20.2 15.8 23.8



#82
Chrysene
Concen: 2.87 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF084688.D
Acq: 30 Jan 2016 16:13

Tgt Ion:228 Resp: 68657
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 20.6 16.1 24.1



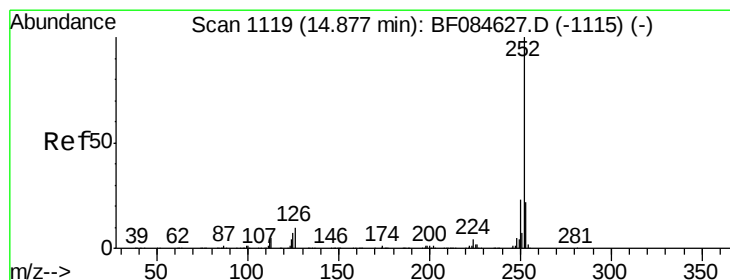
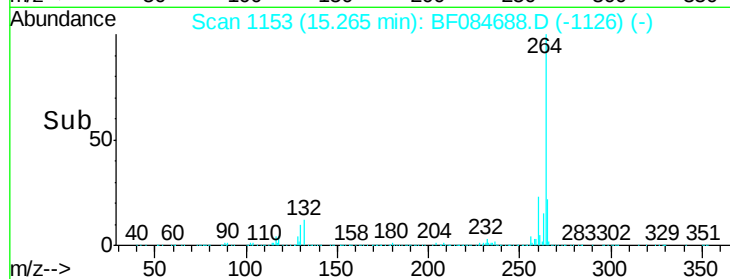
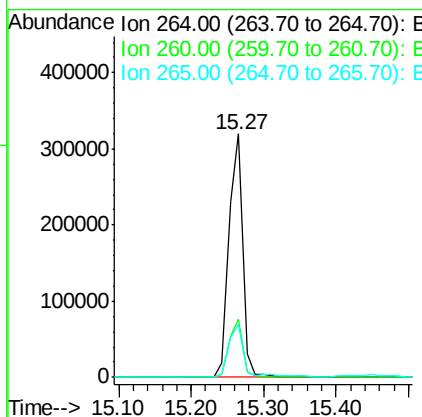
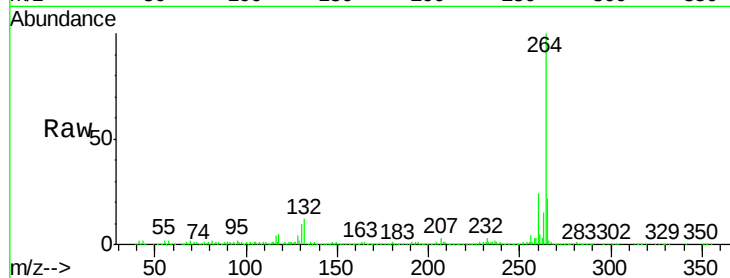


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF084688.D
Acq: 30 Jan 2016 16:13

Instrument :
BNA_F
ClientSampleId :
SUP-B014(10-11.5)

Tgt Ion:264 Resp: 424379

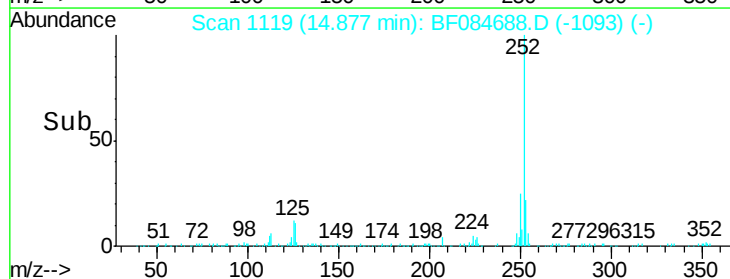
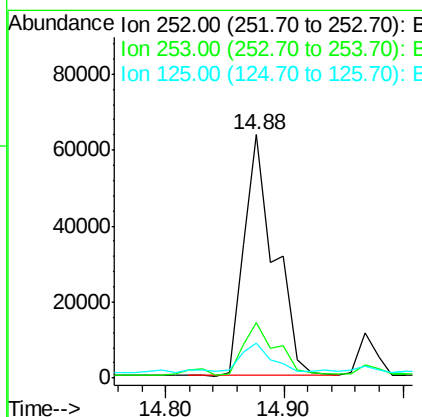
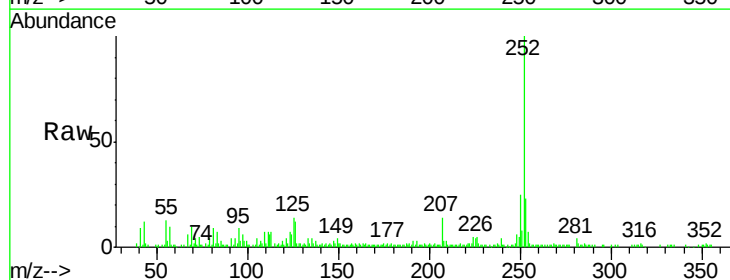
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.8	17.8	26.6

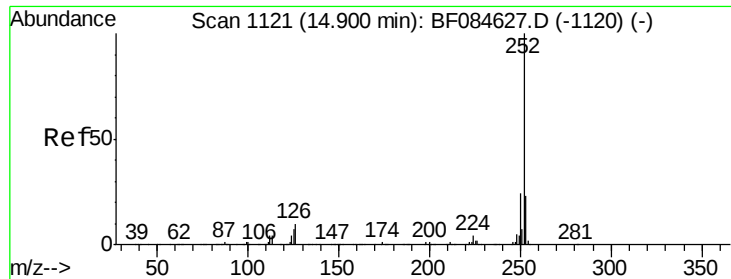


#87
Benzo(b)fluoranthene
Concen: 4.10 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF084688.D
Acq: 30 Jan 2016 16:13

Tgt Ion:252 Resp: 112679

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	14.2	6.5	9.7#

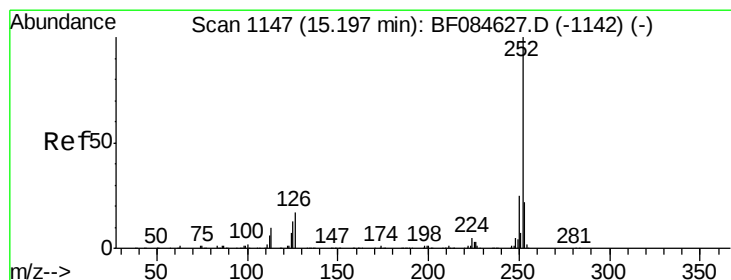
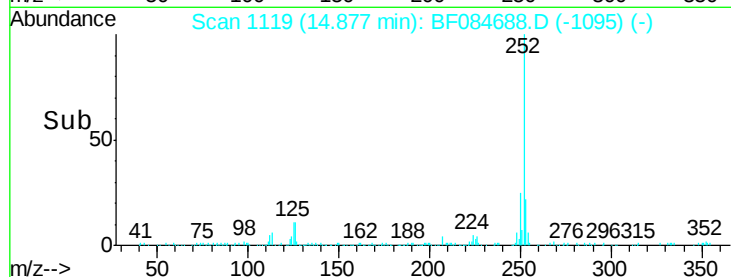
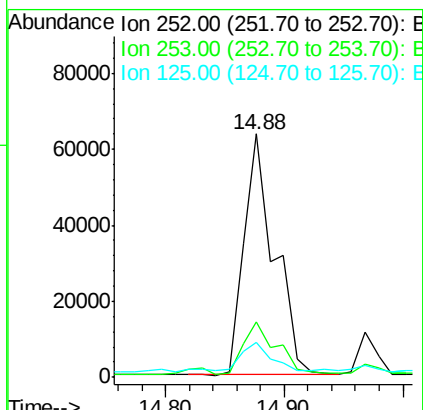
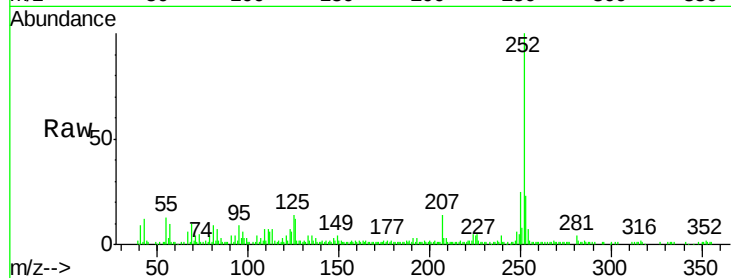




#88
Benzo(k)fluoranthene
Concen: 4.95 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF084688.D
Acq: 30 Jan 2016 16:13

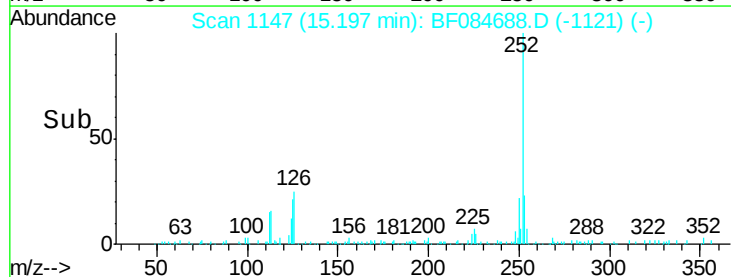
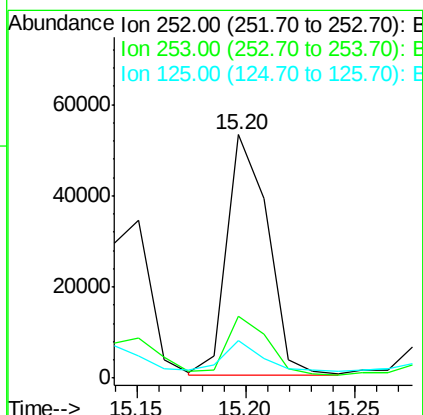
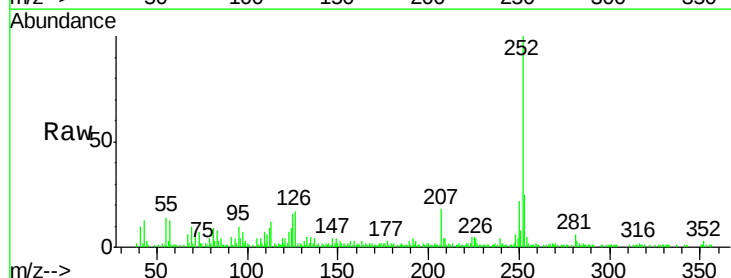
Instrument :
BNA_F
ClientSampleId :
SUP-B014(10-11.5)

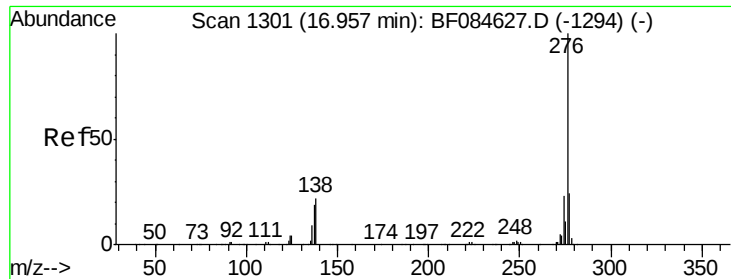
Tgt Ion:252 Resp: 112445
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 14.2 9.0 13.6#



#89
Benzo(a)pyrene
Concen: 2.89 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF084688.D
Acq: 30 Jan 2016 16:13

Tgt Ion:252 Resp: 68800
Ion Ratio Lower Upper
252 100
253 25.3 17.3 25.9
125 15.6 7.0 10.4#





#91
 Benzo(g,h,i)perylene
 Concen: 2.12 ng
 RT: 16.96 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF084688.D
 Acq: 30 Jan 2016 16:13

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B014(10-11.5)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.8	28.2
138	25.5	17.8	26.6

