

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013016\
 Data File : BF084682.D
 Acq On : 30 Jan 2016 13:27
 Operator : SJ/IZ
 Sample : H1272-08
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(15-16)

Quant Time: Feb 01 00:26:48 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	176544	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	684875	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	287020	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	491886	20.00	ng	0.00
75) Chrysene-d12	13.87	240	326909	20.00	ng	0.00
86) Perylene-d12	15.27	264	353611	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1221159	104.41	ng	0.01
7) Phenol-d6	6.37	99	1452275	103.60	ng	0.00
23) Nitrobenzene-d5	7.29	82	980807	80.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	282048	93.76	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1655355	85.73	ng	0.00
78) Terphenyl-d14	12.83	244	1070675	73.97	ng	0.00

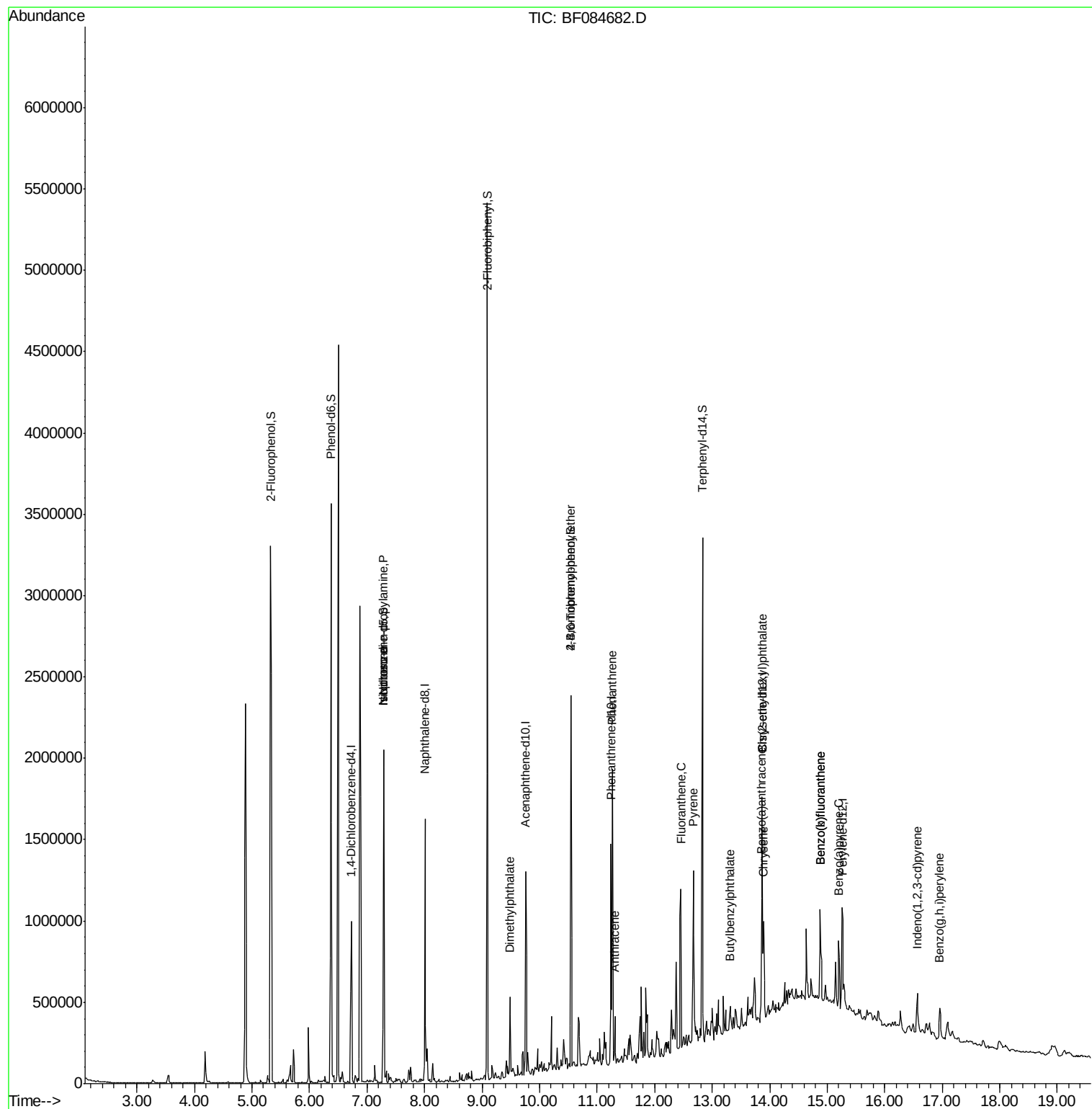
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	130482	15.24	ng	# 68
25) Isophorone	7.29	82	918506	40.01	ng	# 66
49) Dimethylphthalate	9.48	163	236722	10.99	ng	# 90
66) 4-Bromophenyl-phenylether	10.54	248	16552	2.99	ng	# 1
70) Phenanthrene	11.26	178	632292	23.25	ng	98
71) Anthracene	11.31	178	108191	3.91	ng	98
74) Fluoranthene	12.45	202	569155	21.17	ng	92
77) Pyrene	12.67	202	543303	22.03	ng	98
79) Butylbenzylphthalate	13.31	149	30707	2.92	ng	# 90
80) Benzo(a)anthracene	13.86	228	303379	14.89	ng	97
82) Chrysene	13.89	228	223404	11.12	ng	98
83) Bis(2-ethylhexyl)phthalate	13.87	149	41009	3.00	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.57	276	151416	8.53	ng	98
87) Benzo(b)fluoranthene	14.88	252	402146	17.56	ng	# 95
88) Benzo(k)fluoranthene	14.88	252	402146	21.26	ng	99
89) Benzo(a)pyrene	15.20	252	226607	11.44	ng	# 92
91) Benzo(g,h,i)perylene	16.96	276	152729	8.47	ng	99

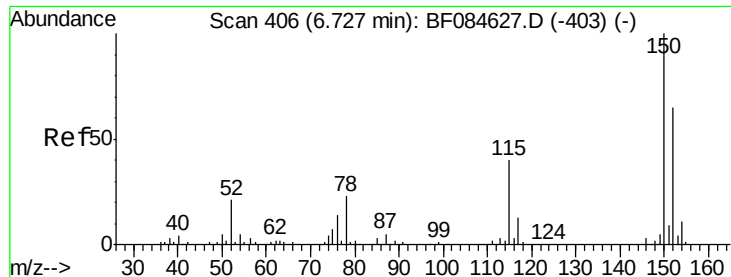
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

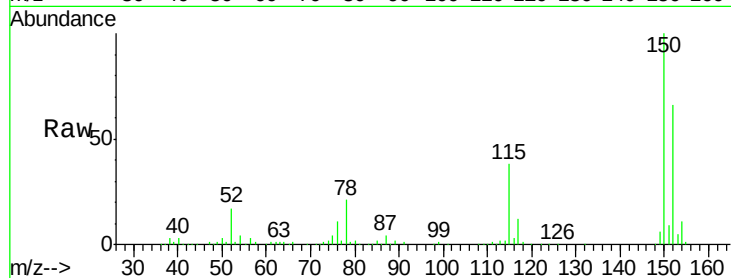
Tgt Ion:152 Resp: 176544

Ion Ratio Lower Upper

152 100

150 152.0 123.0 184.4

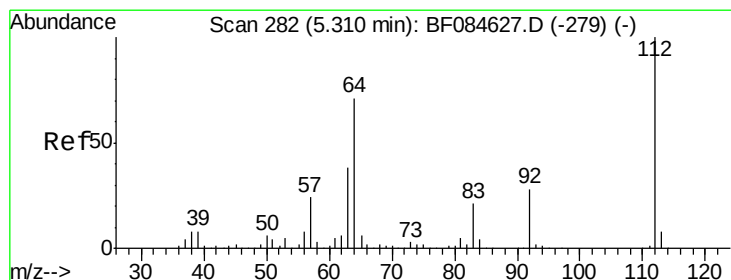
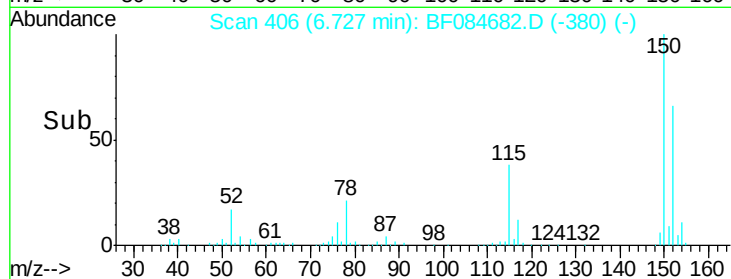
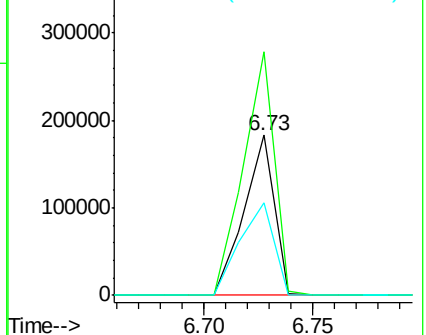
115 57.5 51.4 77.2



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: 104.41 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

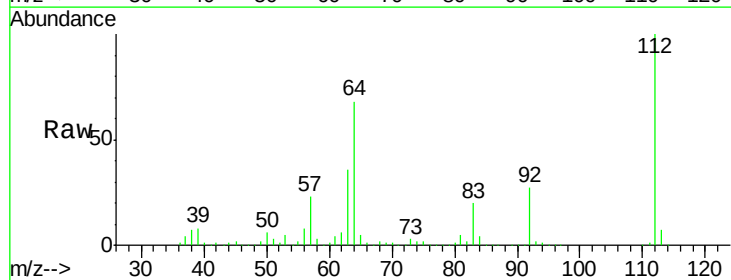
Tgt Ion:112 Resp: 1221159

Ion Ratio Lower Upper

112 100

64 67.8 36.6 55.0#

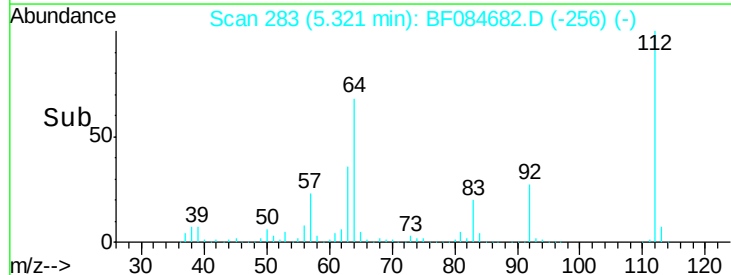
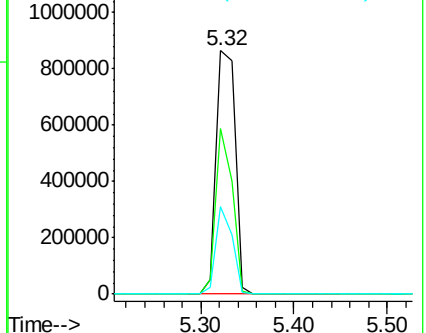
63 35.7 19.4 29.0#

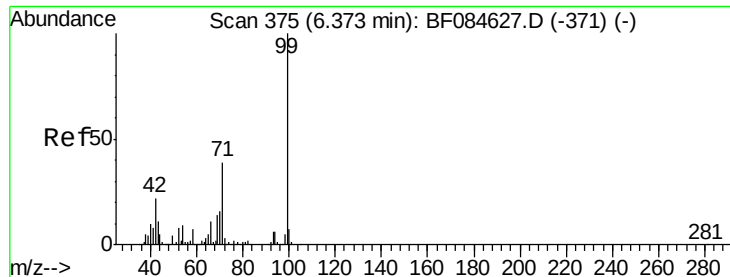


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.60 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

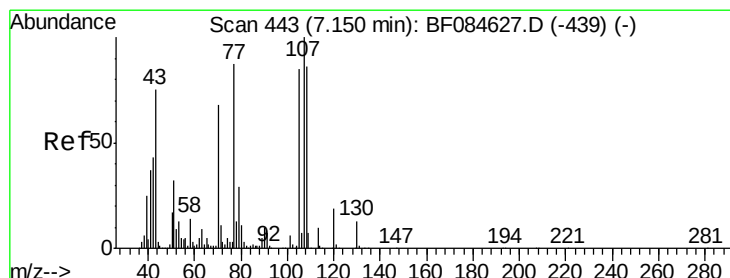
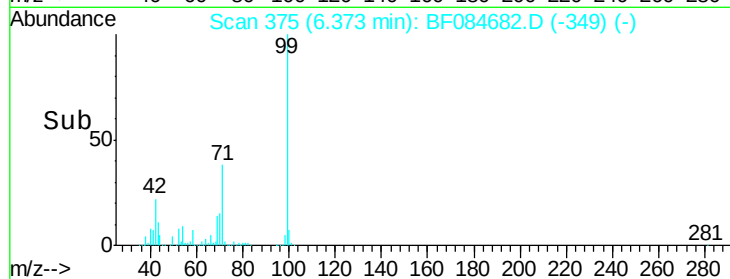
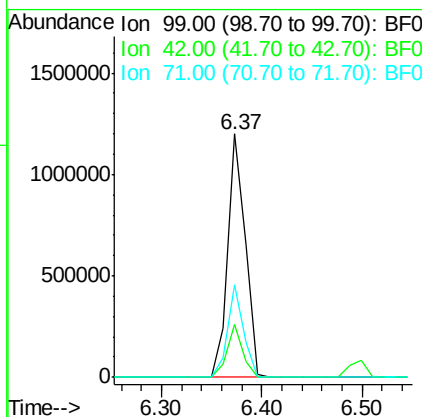
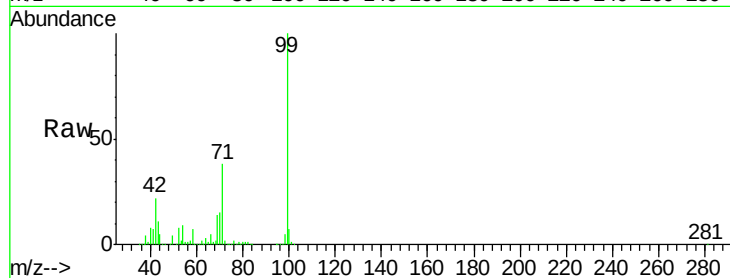
BNA_F

ClientSampleId :

SUP-B013(15-16)

Tgt Ion: 99 Resp: 1452275

Ion	Ratio	Lower	Upper
99	100		
42	21.9	12.8	19.2#
71	38.2	30.9	46.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.24 ng

RT: 7.29 min Scan# 455

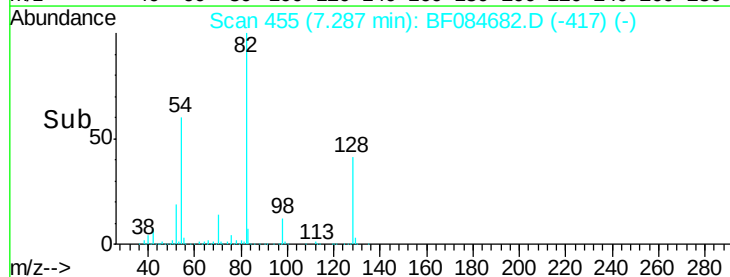
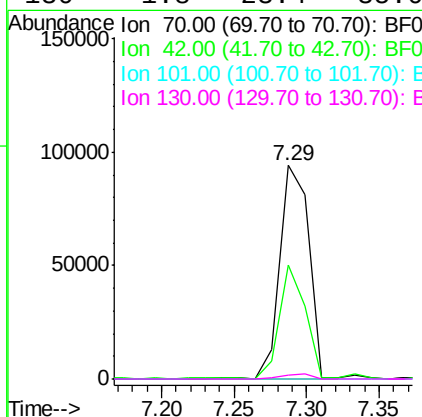
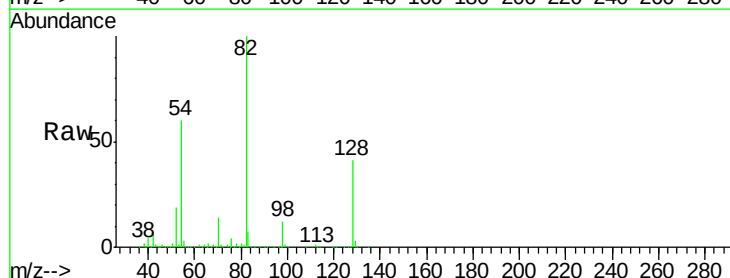
Delta R.T. 0.14 min

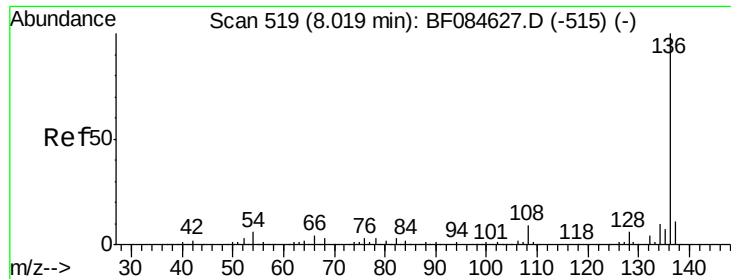
Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Tgt Ion: 70 Resp: 130482

Ion	Ratio	Lower	Upper
70	100		
42	53.2	33.3	49.9#
101	0.0	9.3	13.9#
130	1.8	23.4	35.0#

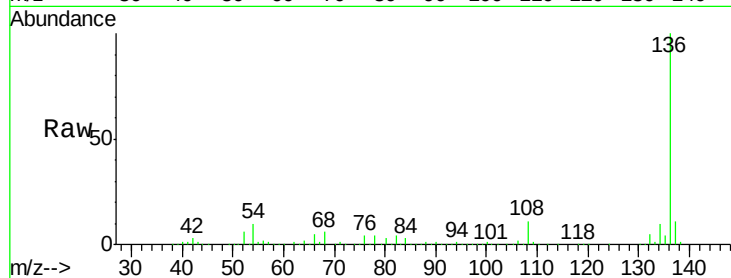




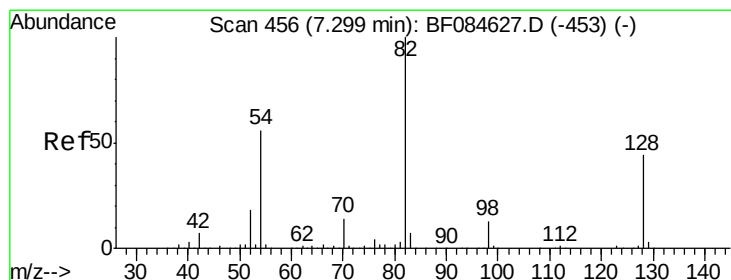
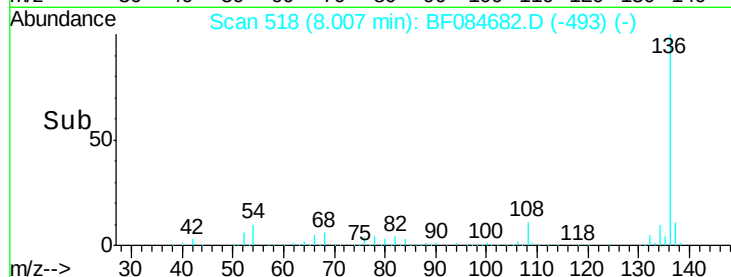
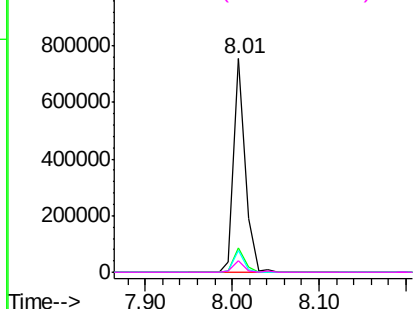
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Instrument :
BNA_F
ClientSampleId :
SUP-B013(15-16)

Tgt Ion:	136	Resp:	684875
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	10.3	5.8	8.8#
68	5.7	4.2	6.2

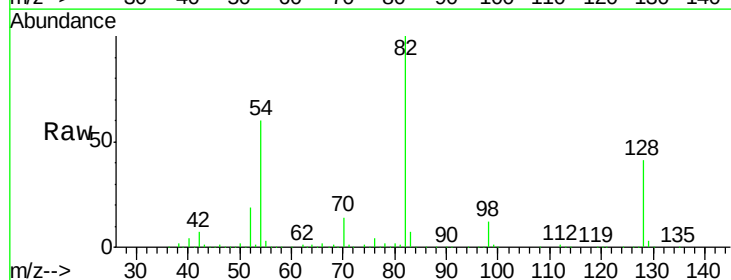


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

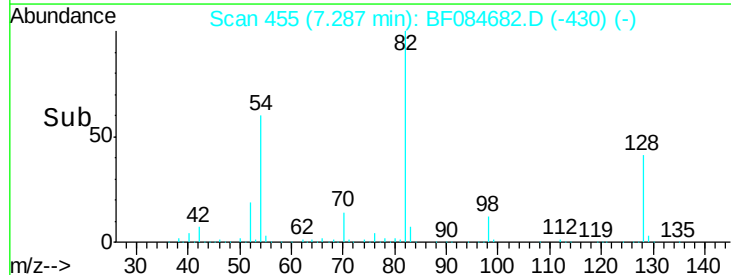
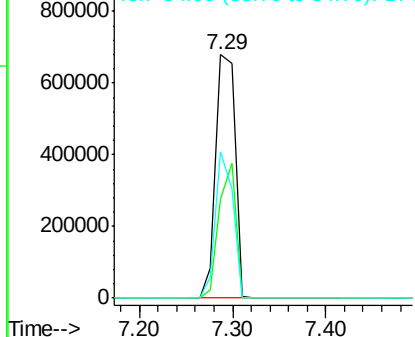


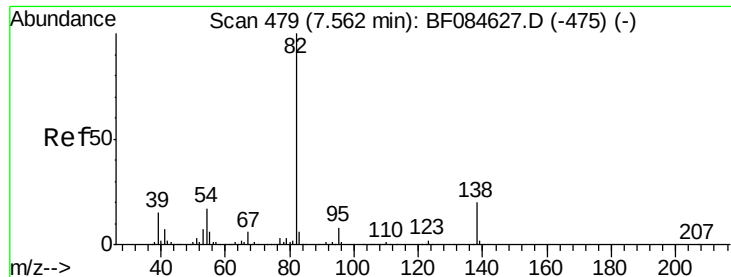
#23
Nitrobenzene-d5
Concen: 80.03 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Tgt Ion:	82	Resp:	980807
Ion	Ratio	Lower	Upper
82	100		
128	40.8	34.6	51.8
54	60.3	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: 40.01 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

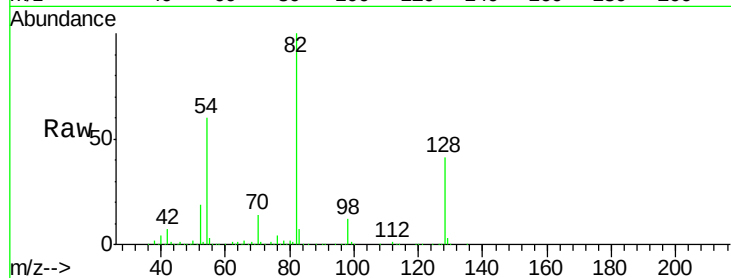
Tgt Ion: 82 Resp: 918506

Ion Ratio Lower Upper

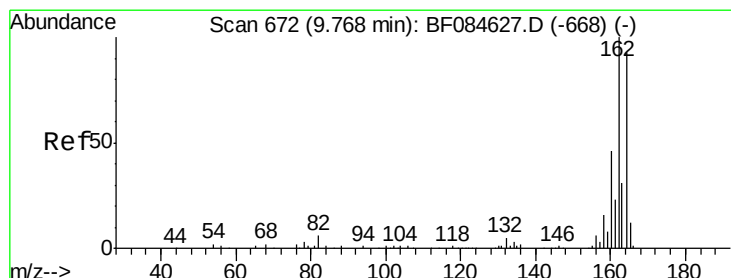
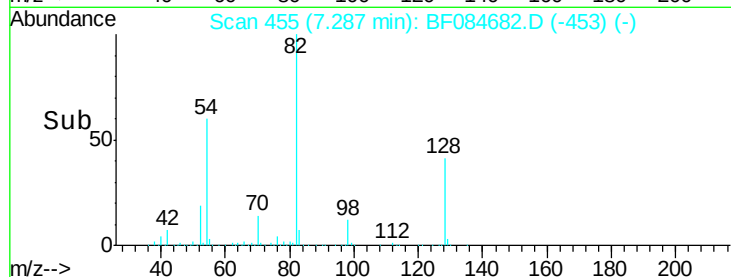
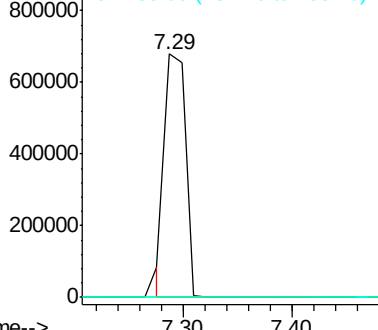
82 100

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: BF084682.D

Acq: 30 Jan 2016 13:27

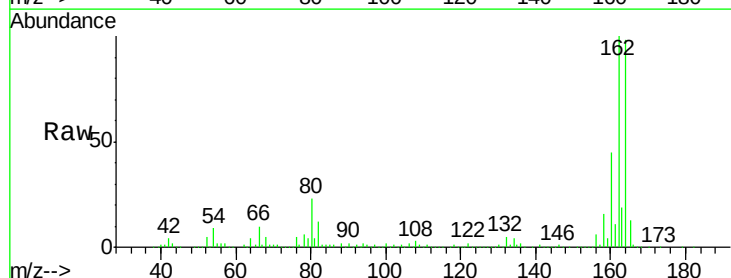
Tgt Ion: 164 Resp: 287020

Ion Ratio Lower Upper

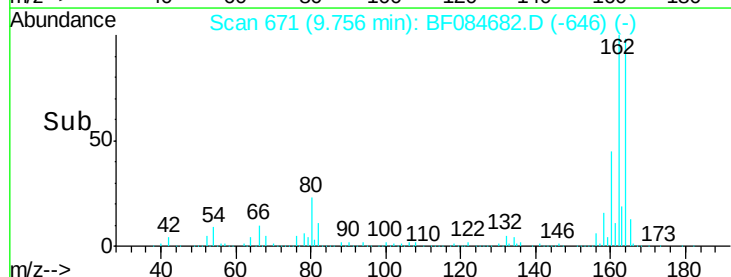
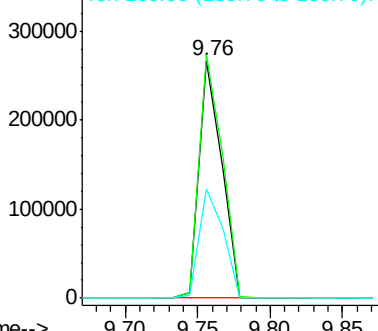
164 100

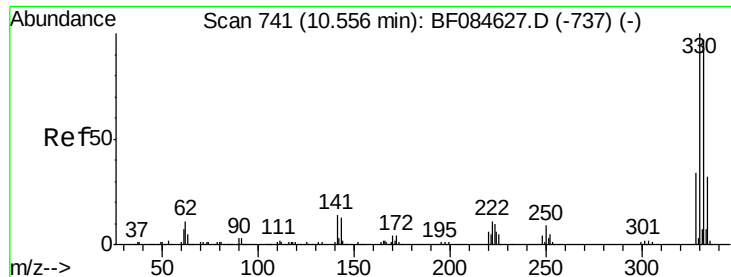
162 102.5 85.1 127.7

160 46.0 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

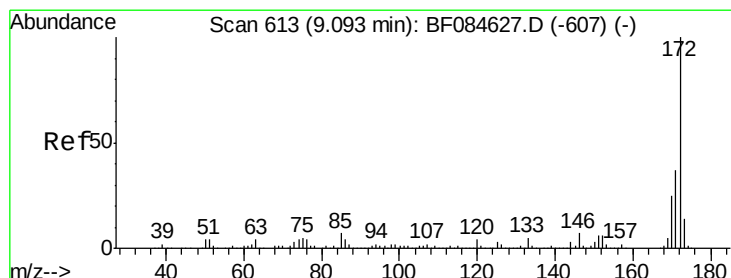
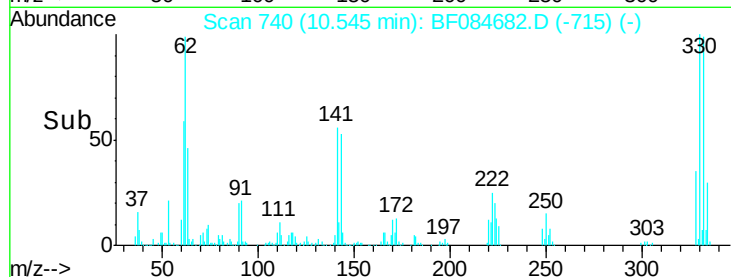
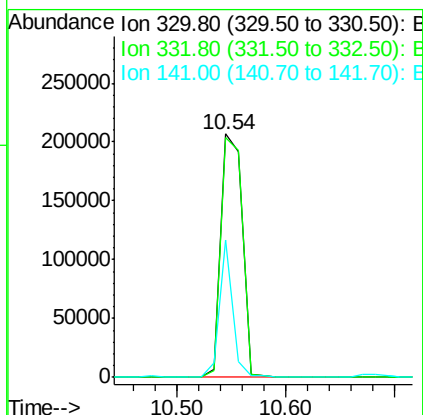
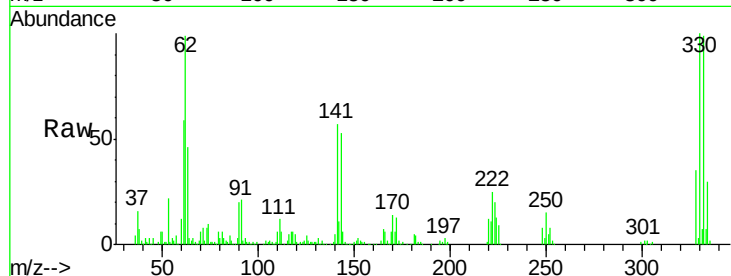




#41
 2,4,6-Tribromophenol
 Concen: 93.76 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF084682.D
 Acq: 30 Jan 2016 13:27

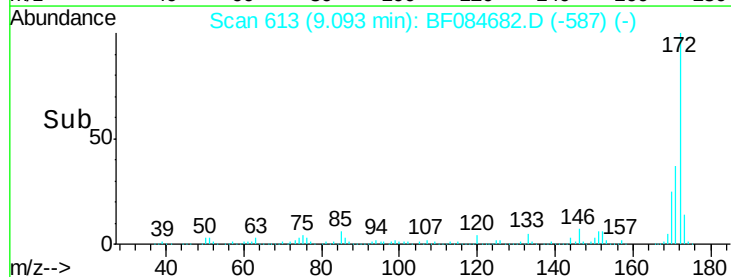
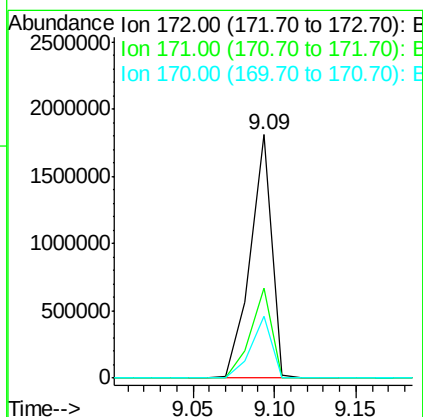
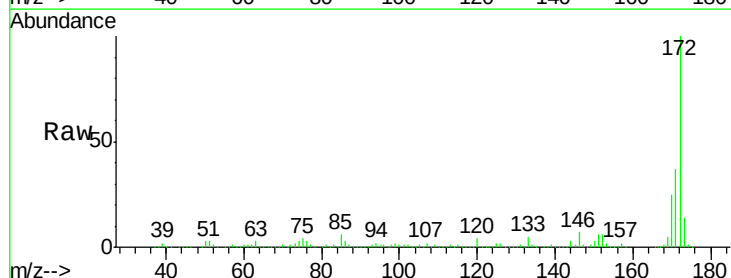
Instrument :
 BNA_F
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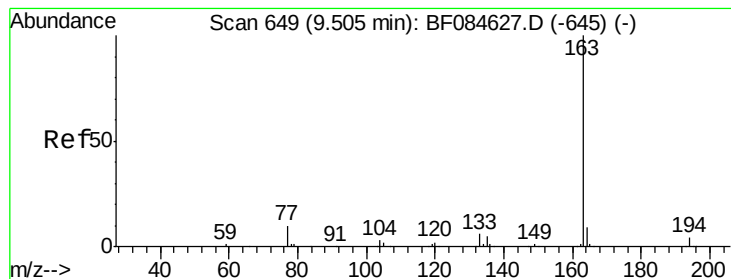
Tgt Ion:330 Resp: 282048
 Ion Ratio Lower Upper
 330 100
 332 99.7 76.6 114.8
 141 35.3 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 85.73 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084682.D
 Acq: 30 Jan 2016 13:27

Tgt Ion:172 Resp: 1655355
 Ion Ratio Lower Upper
 172 100
 171 37.2 28.9 43.3
 170 25.5 18.6 27.8





#49

Dimethylphthalate

Concen: 10.99 ng

RT: 9.48 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

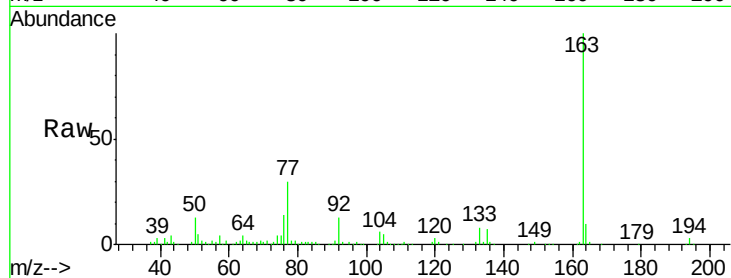
Tgt Ion:163 Resp: 236722

Ion Ratio Lower Upper

163 100

194 2.7 8.0 12.0#

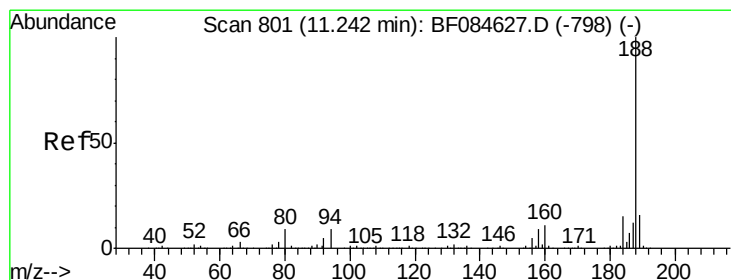
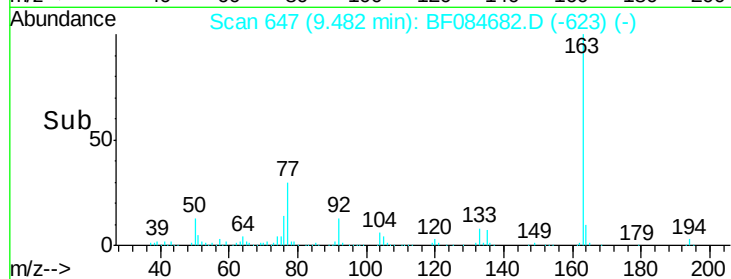
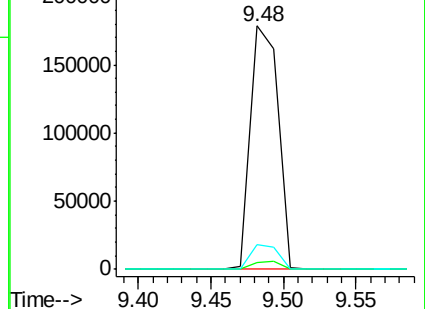
164 10.1 8.0 12.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

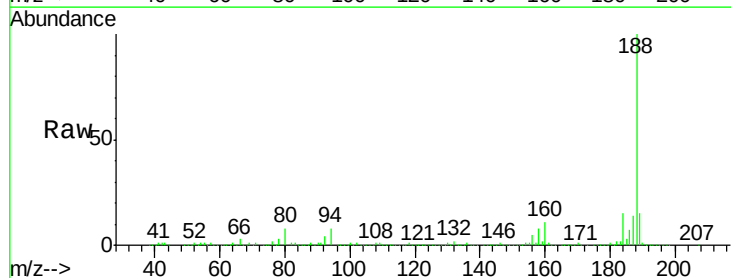
Tgt Ion:188 Resp: 491886

Ion Ratio Lower Upper

188 100

94 7.9 9.0 13.4#

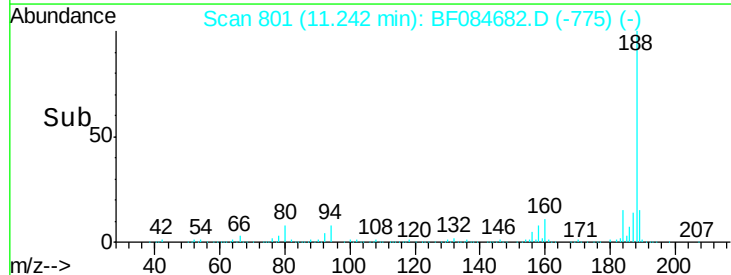
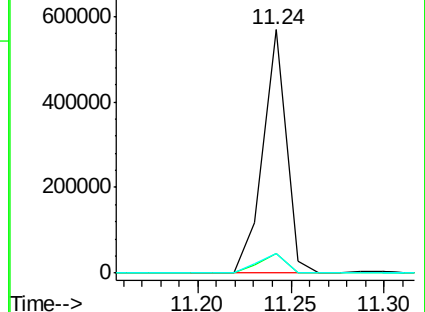
80 8.1 9.6 14.4#

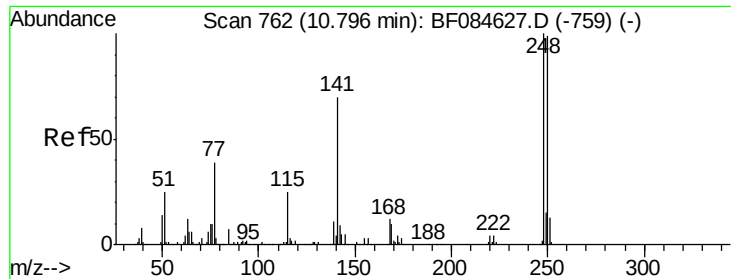


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.99 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.25 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

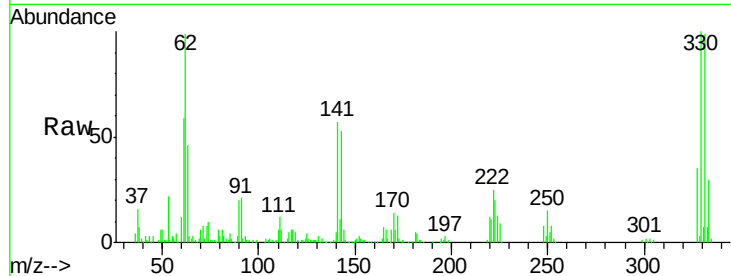
Tgt Ion:248 Resp: 16552

Ion Ratio Lower Upper

248 100

250 195.6 78.4 117.6#

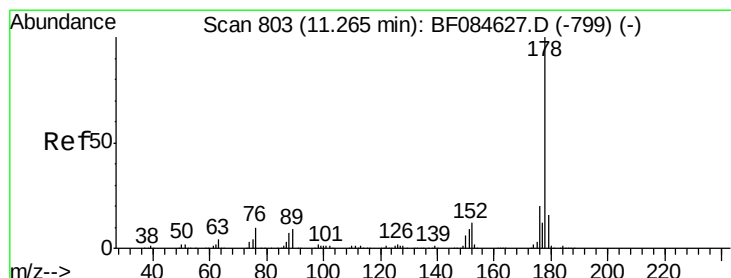
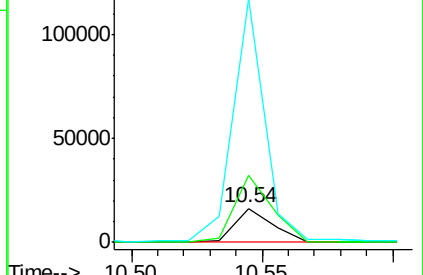
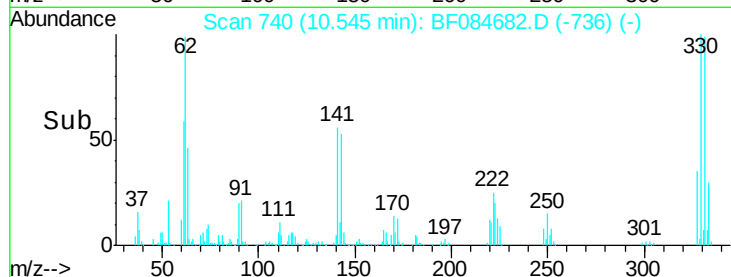
141 714.6 44.0 66.0#



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: 23.25 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

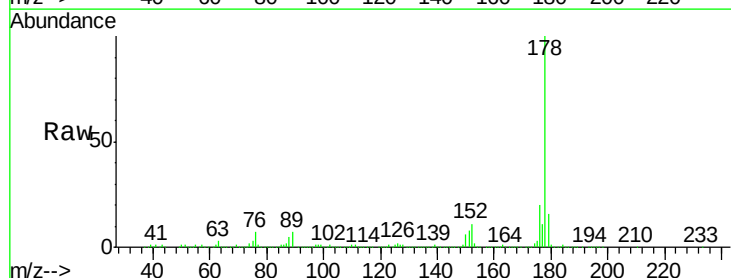
Tgt Ion:178 Resp: 632292

Ion Ratio Lower Upper

178 100

176 19.9 15.3 22.9

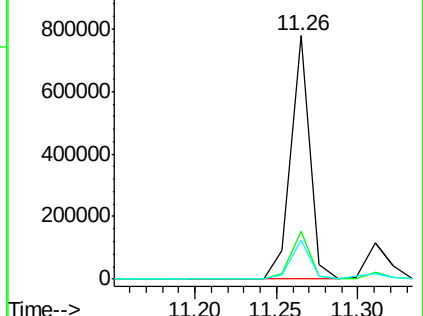
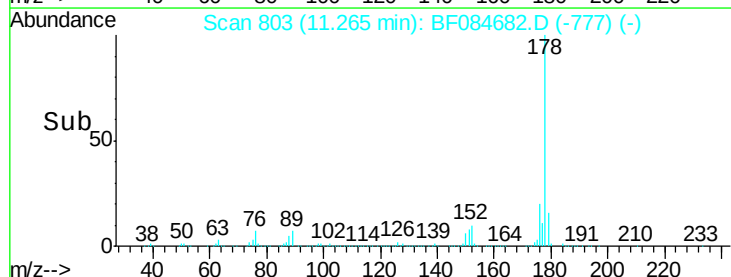
179 16.0 12.0 18.0

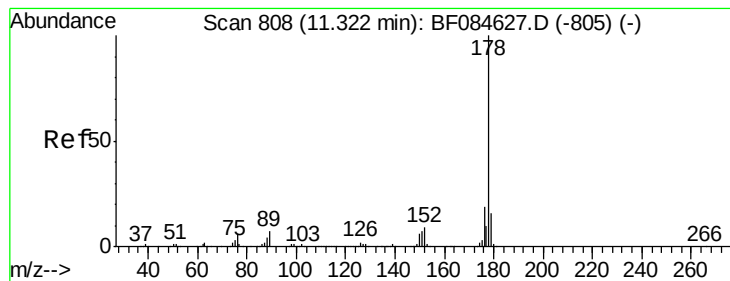


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.91 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

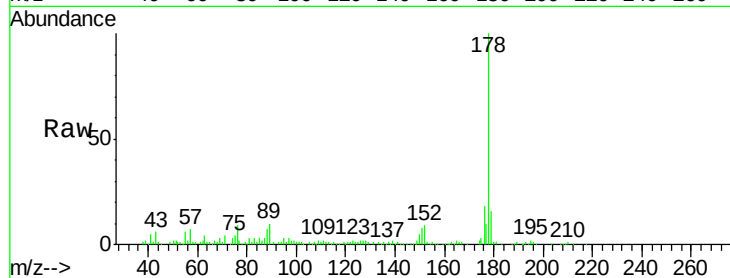
Tgt Ion:178 Resp: 108191

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.0

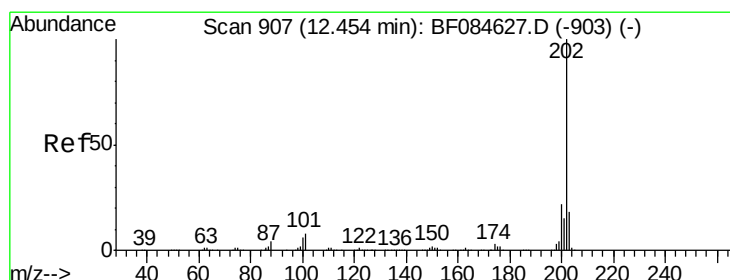
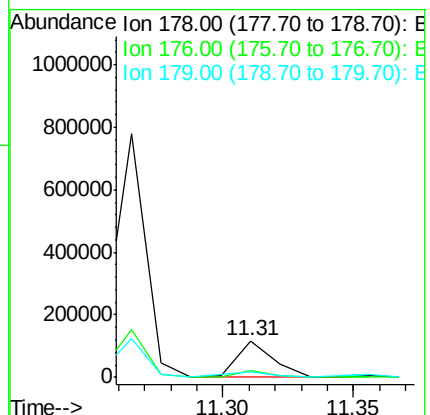
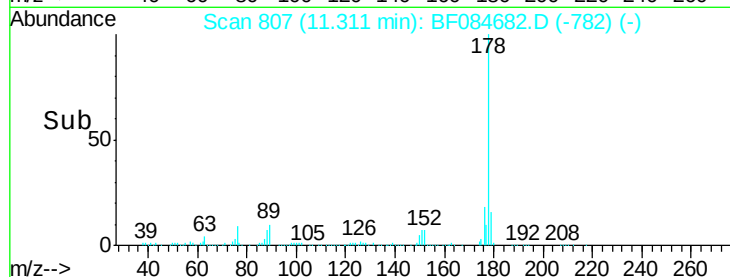
179 16.3 12.5 18.7



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: 21.17 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

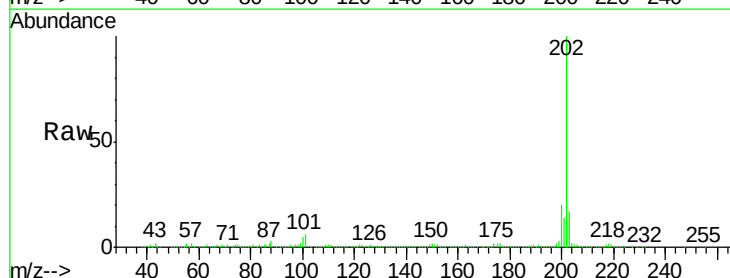
Tgt Ion:202 Resp: 569155

Ion Ratio Lower Upper

202 100

101 6.3 0.0 32.8

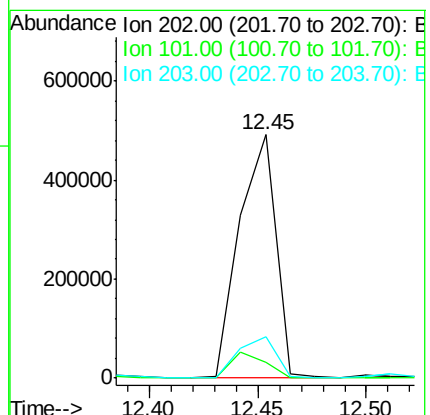
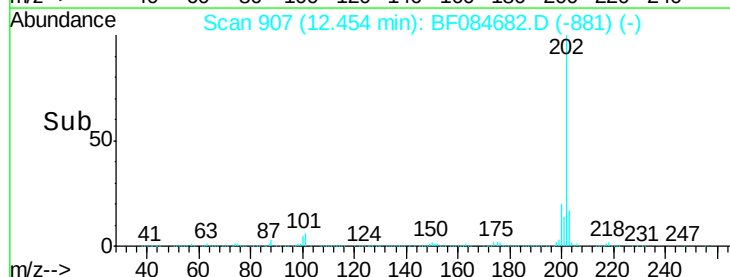
203 17.2 0.0 37.9

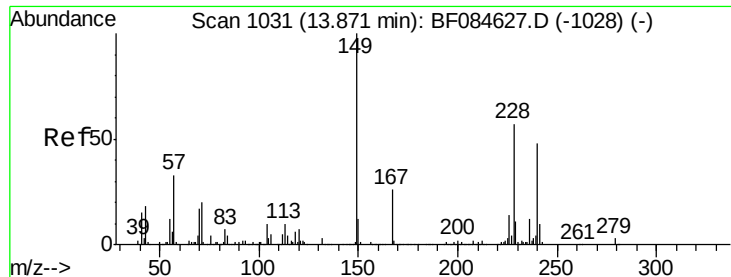


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

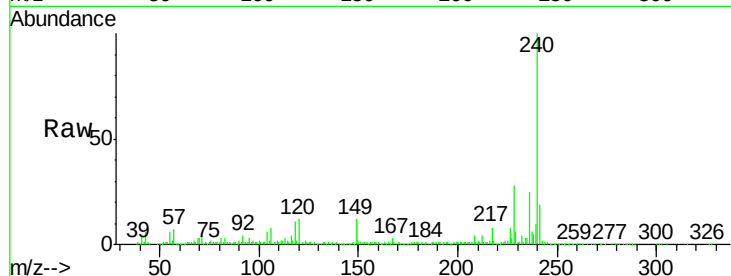
Tgt Ion:240 Resp: 326909

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

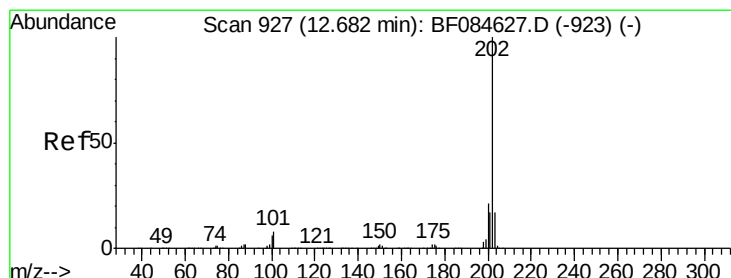
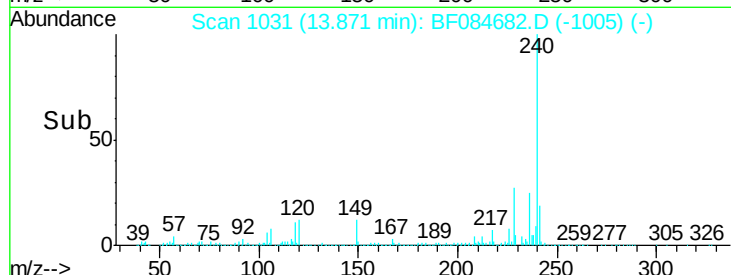
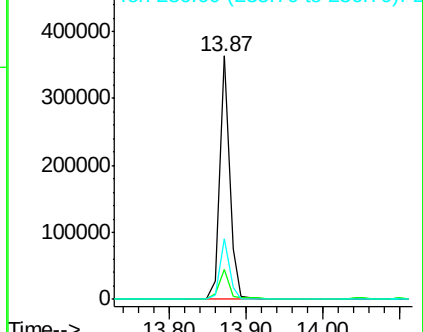
236 25.1 20.6 31.0



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: 22.03 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

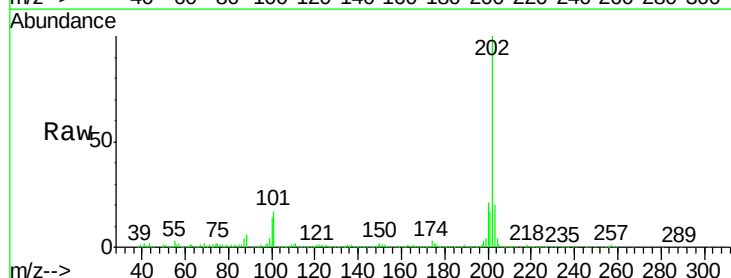
Tgt Ion:202 Resp: 543303

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

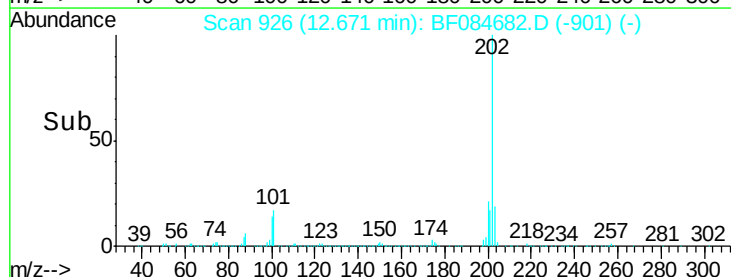
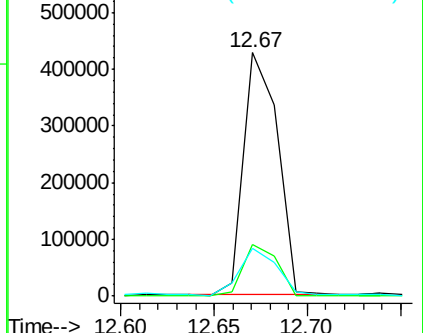
203 19.8 14.3 21.5

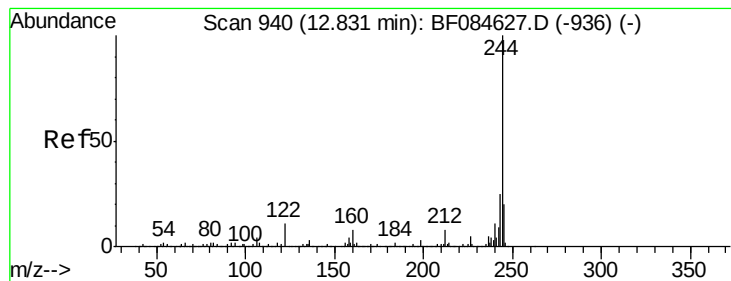


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.97 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

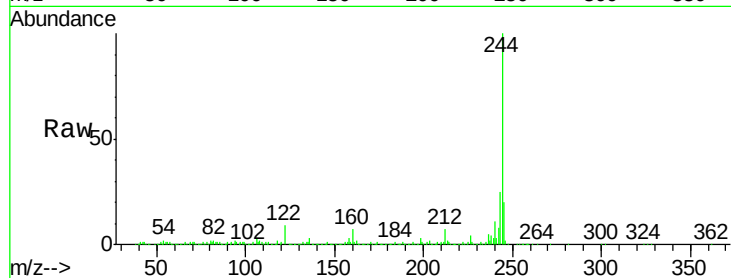
Tgt Ion:244 Resp: 1070675

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

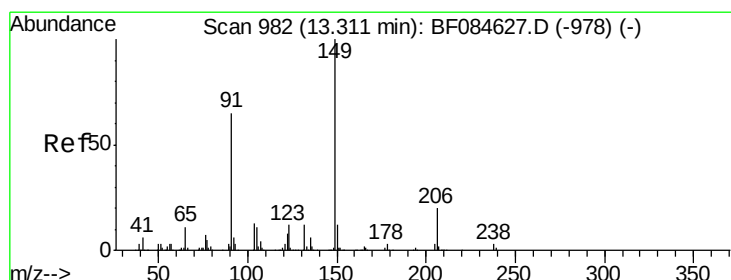
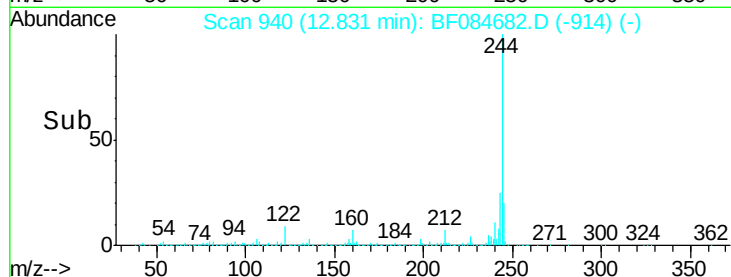
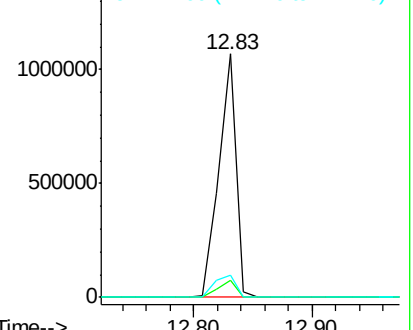
122 9.3 7.4 11.0



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



#79

Butylbenzylphthalate

Concen: 2.92 ng

RT: 13.31 min Scan# 982

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

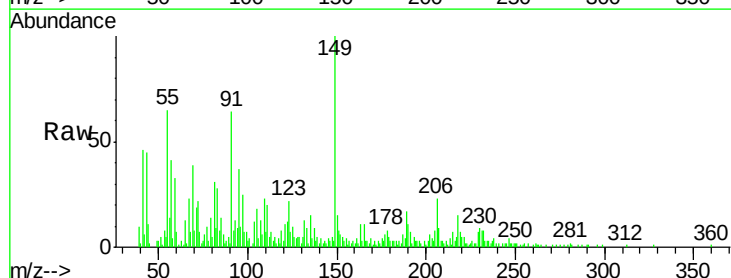
Tgt Ion:149 Resp: 30707

Ion Ratio Lower Upper

149 100

91 64.4 57.6 86.4

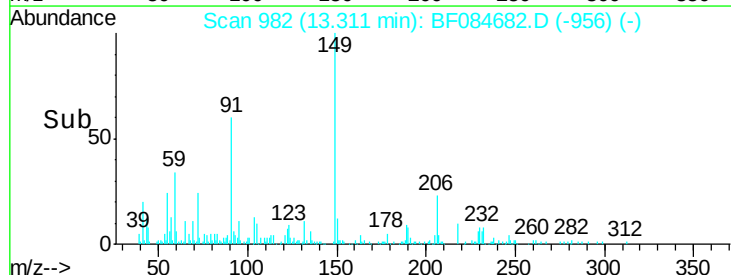
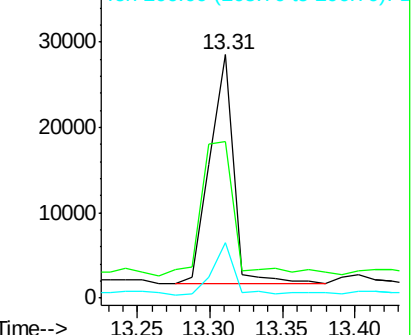
206 22.8 13.2 19.8#

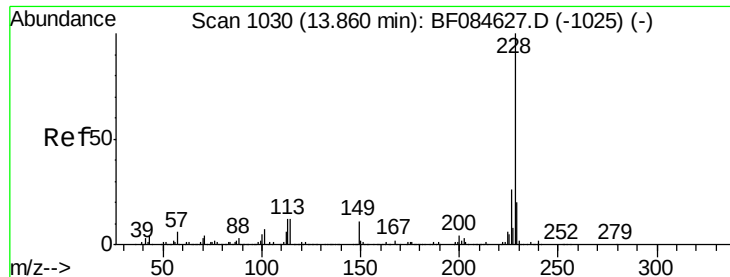


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 14.89 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)

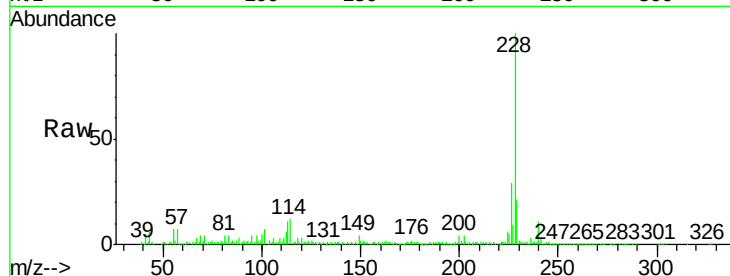
Tgt Ion:228 Resp: 303379

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.6

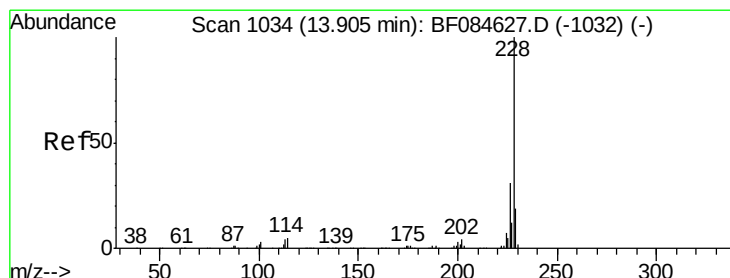
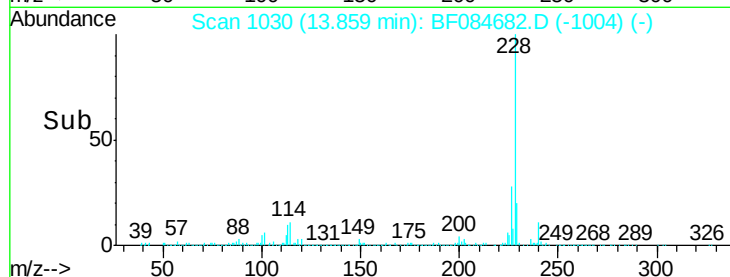
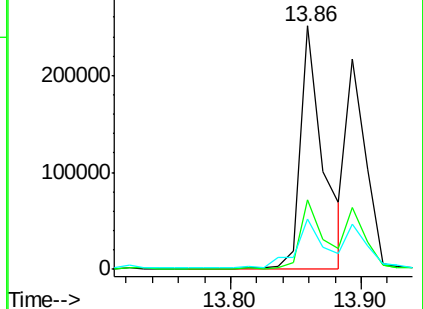
229 20.9 15.8 23.8



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: 11.12 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF084682.D

Acq: 30 Jan 2016 13:27

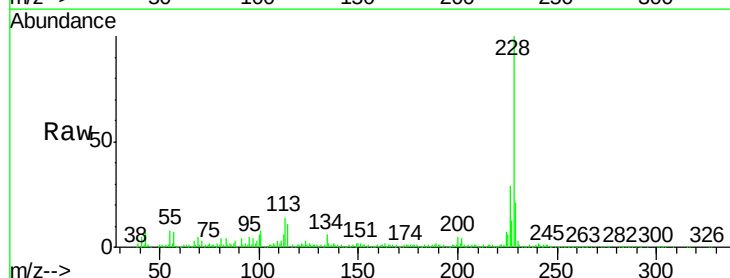
Tgt Ion:228 Resp: 223404

Ion Ratio Lower Upper

228 100

226 29.2 24.3 36.5

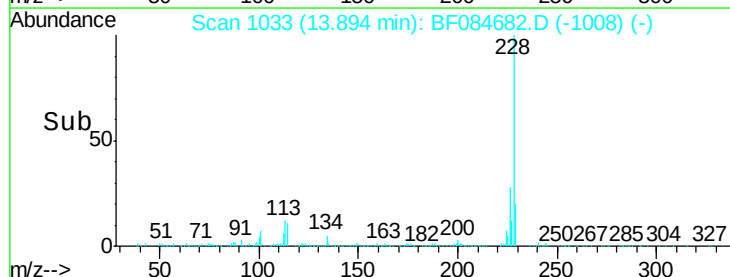
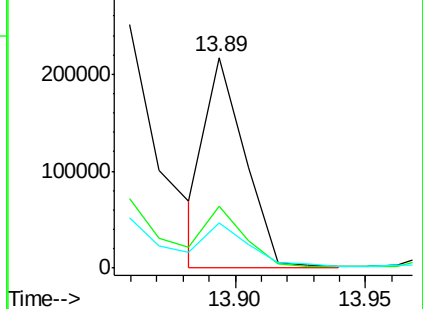
229 21.2 16.1 24.1

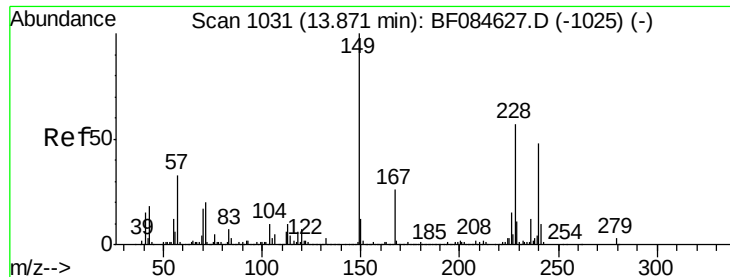


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

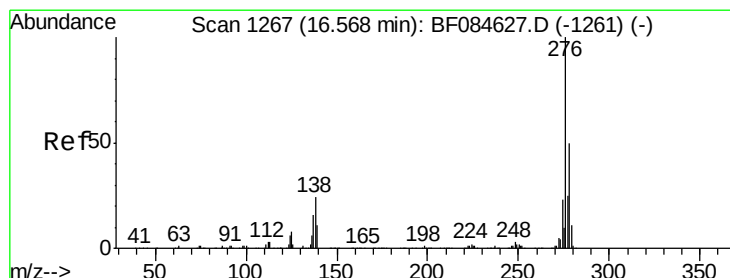
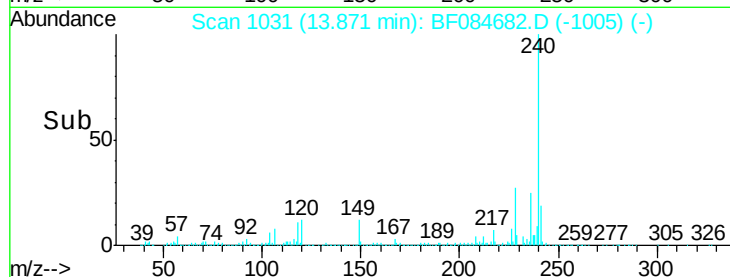
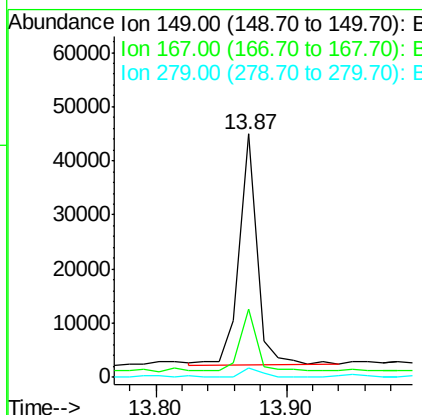
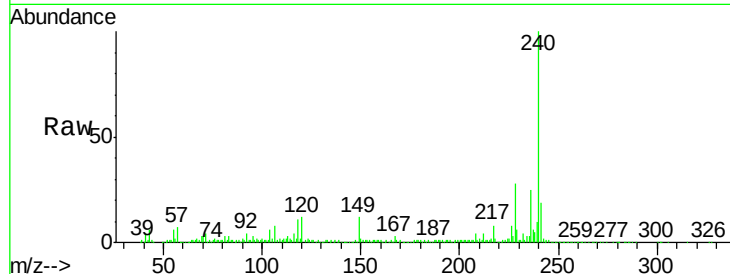




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.00 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF084682.D
 Acq: 30 Jan 2016 13:27

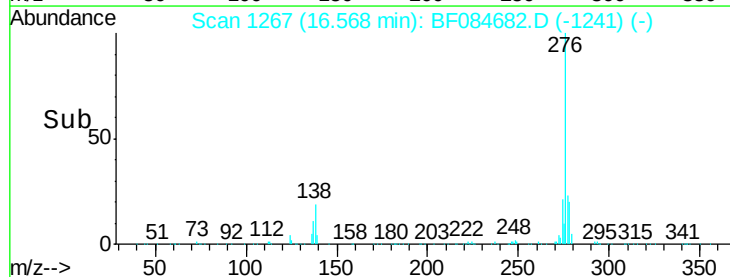
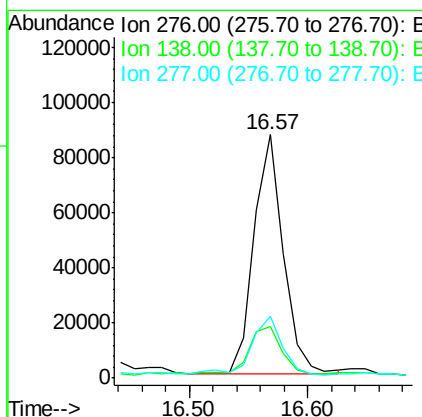
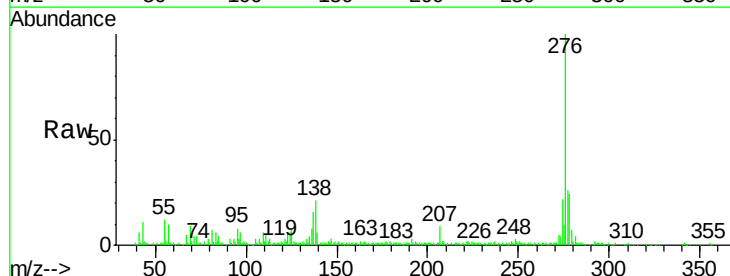
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(15-16)

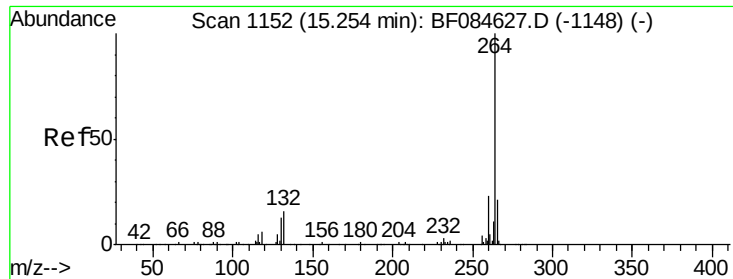
Tgt Ion:149 Resp: 41009
 Ion Ratio Lower Upper
 149 100
 167 27.8 19.7 29.5
 279 3.7 1.8 2.6#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.53 ng
 RT: 16.57 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: BF084682.D
 Acq: 30 Jan 2016 13:27

Tgt Ion:276 Resp: 151416
 Ion Ratio Lower Upper
 276 100
 138 24.8 20.6 30.8
 277 25.8 20.1 30.1

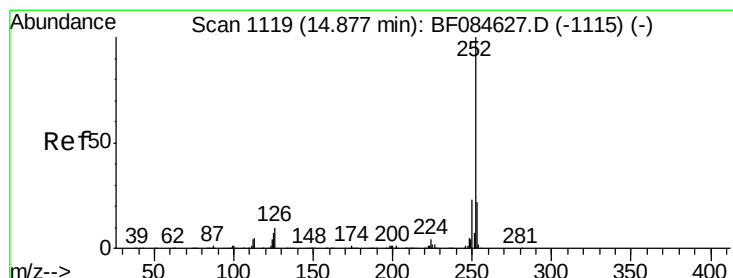
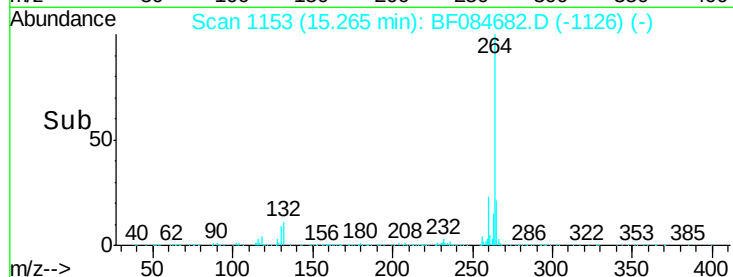
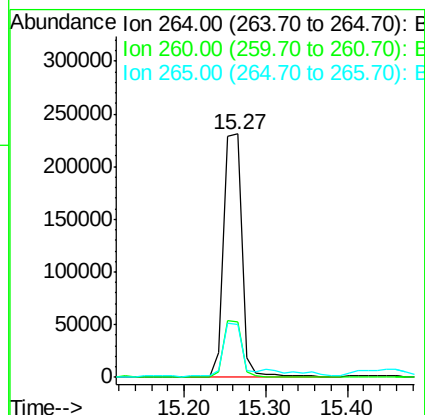
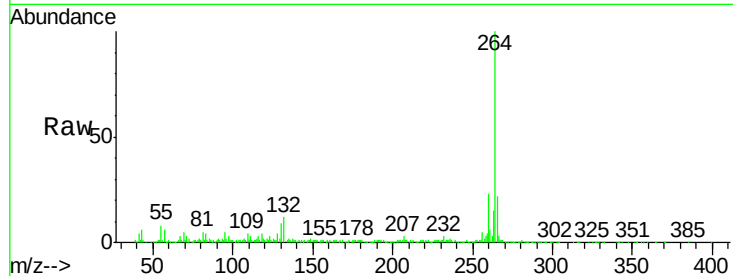




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

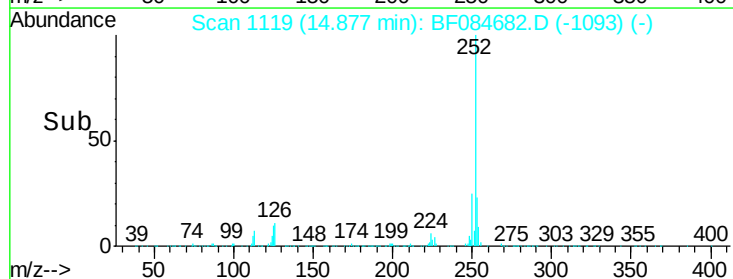
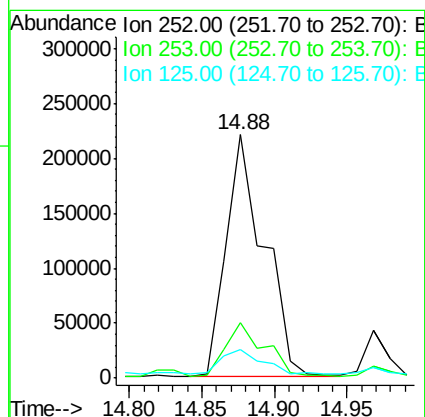
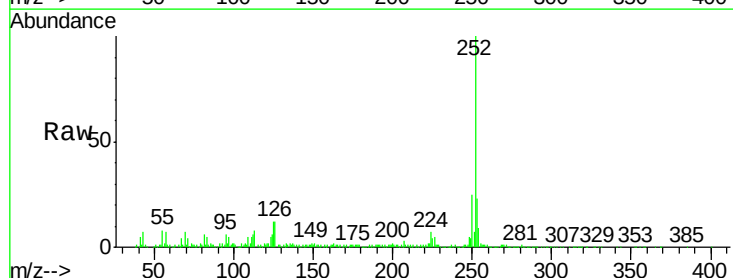
Instrument :
BNA_F
ClientSampleId :
SUP-B013(15-16)

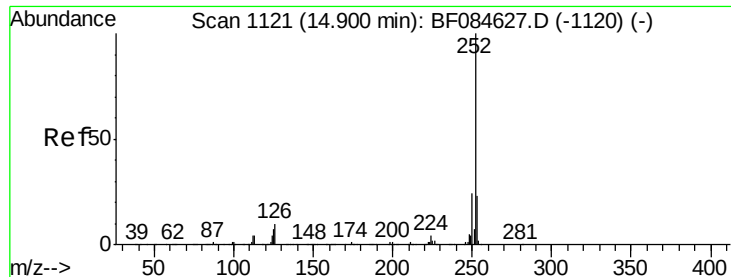
Tgt Ion:264 Resp: 353611
Ion Ratio Lower Upper
264 100
260 23.0 19.4 29.2
265 21.7 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 17.56 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Tgt Ion:252 Resp: 402146
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 11.6 6.5 9.7#

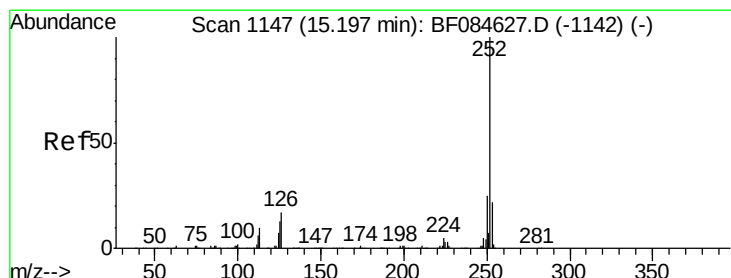
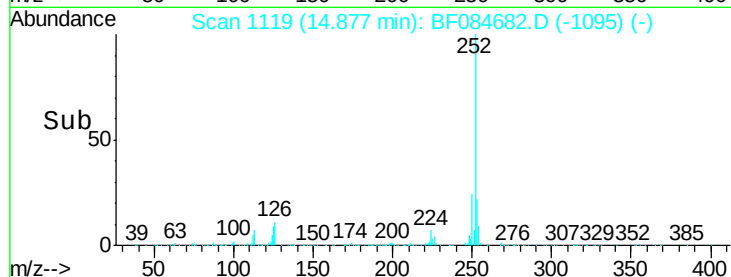
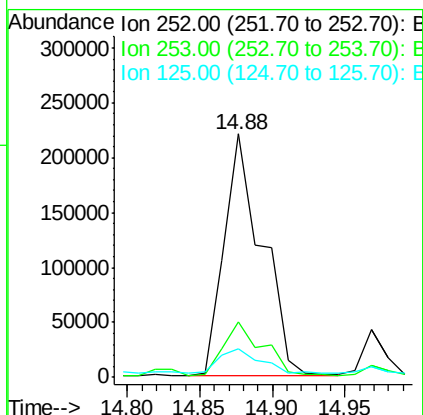
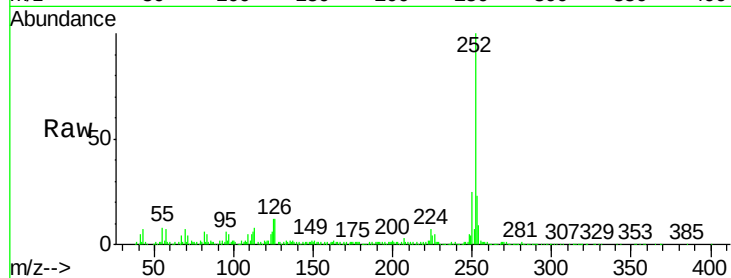




#88
Benzo(k)fluoranthene
Concen: 21.26 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

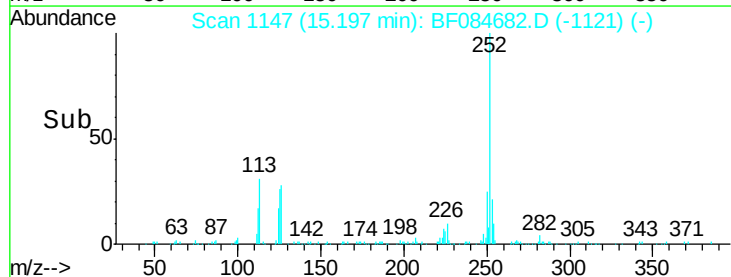
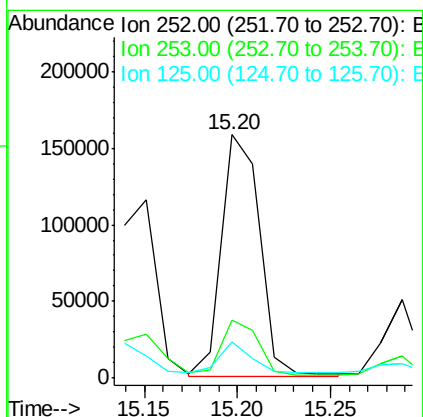
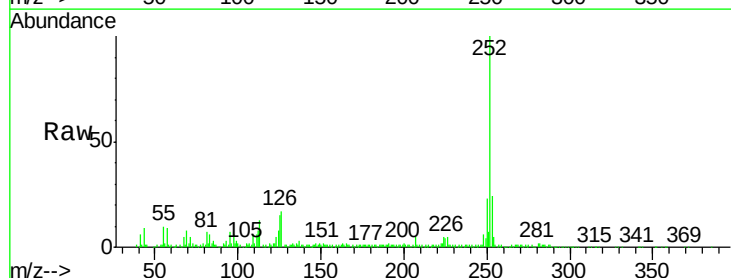
Instrument :
BNA_F
ClientSampleId :
SUP-B013(15-16)

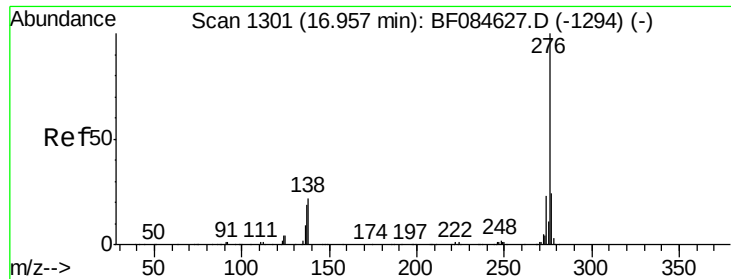
Tgt Ion:252 Resp: 402146
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.6 9.0 13.6



#89
Benzo(a)pyrene
Concen: 11.44 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF084682.D
Acq: 30 Jan 2016 13:27

Tgt Ion:252 Resp: 226607
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 15.0 7.0 10.4#





#91

Benzo(g,h,i)perylene

Concen: 8.47 ng

RT: 16.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF084682.D

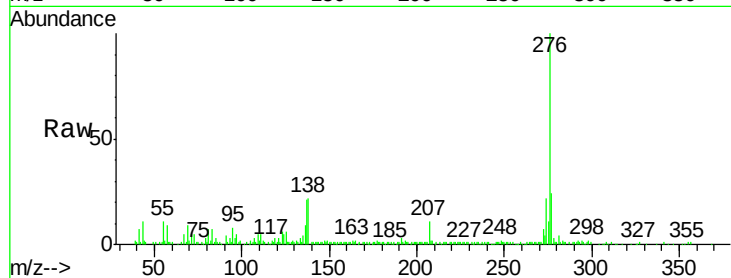
Acq: 30 Jan 2016 13:27

Instrument :

BNA_F

ClientSampleId :

SUP-B013(15-16)



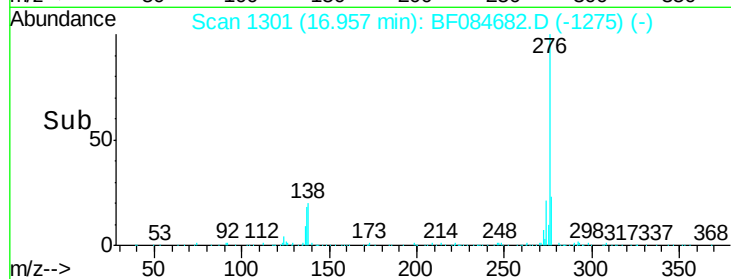
Tgt Ion: 276 Resp: 152729

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 22.0 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

