

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032216\
 Data File : BF085697.D
 Acq On : 23 Mar 2016 10:23
 Operator : UM/SJ
 Sample : H1857-16
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 13:36:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

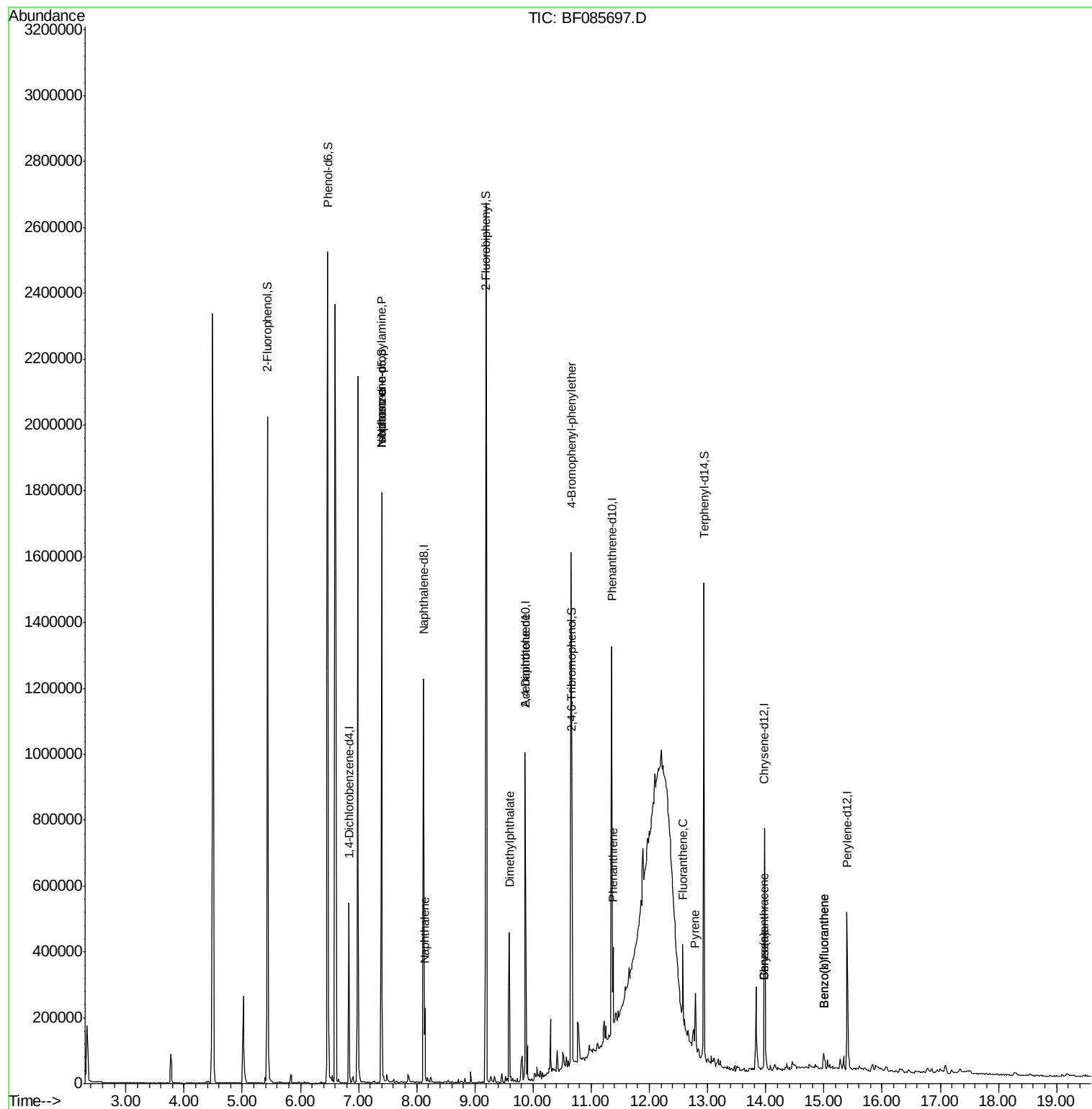
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	119324	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	523409	20.00	ng	-0.02
38) Acenaphthene-d10	9.86	164	219581	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	390158	20.00	ng	-0.03
75) Chrysene-d12	13.98	240	223817	20.00	ng	-0.03
86) Perylene-d12	15.40	264	217250	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	880478	123.94	ng	-0.02
7) Phenol-d6	6.47	99	1078777	118.40	ng	-0.02
23) Nitrobenzene-d5	7.40	82	649874	72.07	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	251546	116.95	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	900998	66.21	ng	-0.03
78) Terphenyl-d14	12.94	244	603518	64.89	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.39	77	695	Below Cal	#	68
19) n-Nitroso-di-n-propylamine	7.40	70	86469	15.89 ng	#	77
25) Isophorone	7.40	82	517558	28.67 ng	#	68
31) Naphthalene	8.14	128	98242	3.72 ng		97
49) Dimethylphthalate	9.59	163	210134	12.68 ng		98
56) 2,4-Dinitrotoluene	9.86	165	28413	6.20 ng	#	37
66) 4-Bromophenyl-phenylether	10.65	248	15385	3.95 ng	#	1
70) Phenanthrene	11.37	178	86282	4.19 ng		98
74) Fluoranthene	12.57	202	83776	3.89 ng		93
77) Pyrene	12.79	202	70710	4.40 ng		99
80) Benzo(a)anthracene	13.97	228	27390	2.11 ng		97
82) Chrysene	13.97	228	27390	2.19 ng		95
87) Benzo(b)fluoranthene	15.00	252	32264	2.28 ng		94
88) Benzo(k)fluoranthene	15.00	252	32264	2.76 ng	#	92

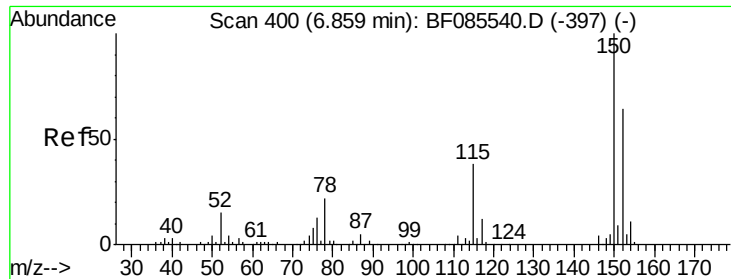
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

Instrument :

BNA_F

ClientSampleId :

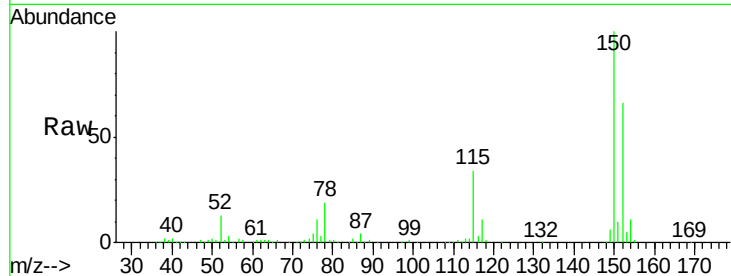
Tot Ion:152 Resp: 119324

Ion Ratio Lower Upper

152 100

150 152.0 124.2 186.2

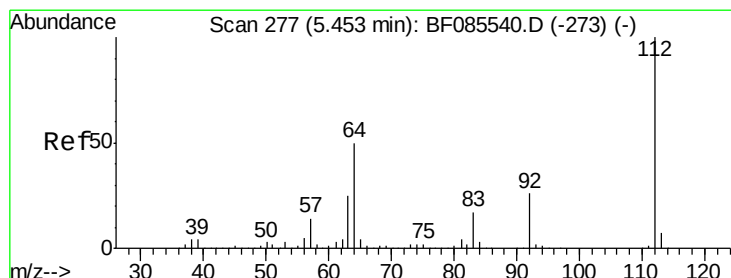
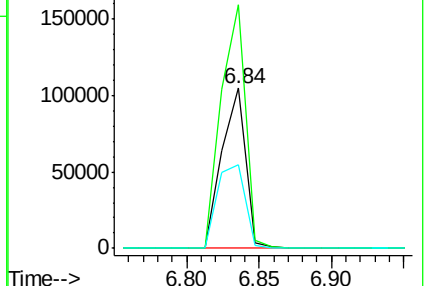
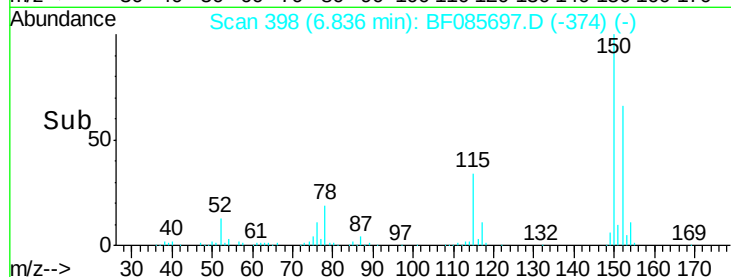
115 51.8 47.0 70.6



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: 123.94 ng

RT: 5.43 min Scan# 275

Delta R.T. -0.02 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

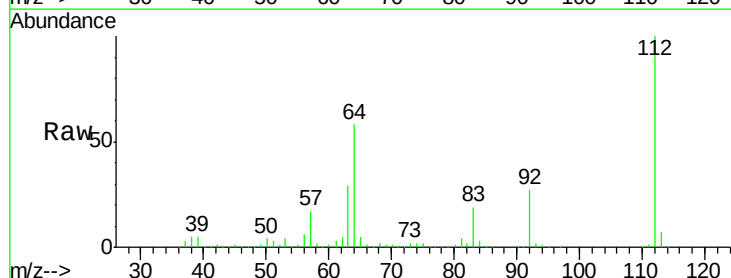
Tgt Ion:112 Resp: 880478

Ion Ratio Lower Upper

112 100

64 57.6 39.9 59.9

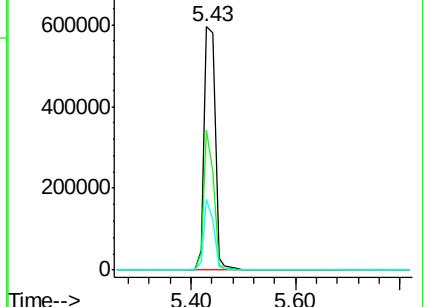
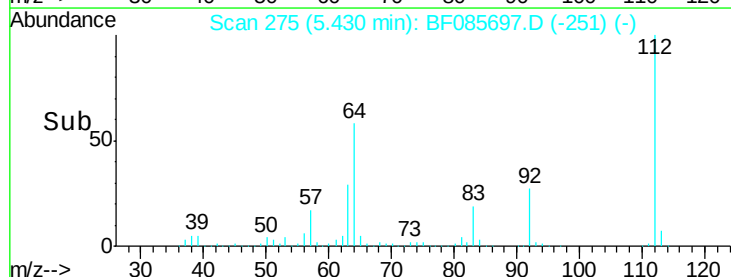
63 29.1 20.2 30.2

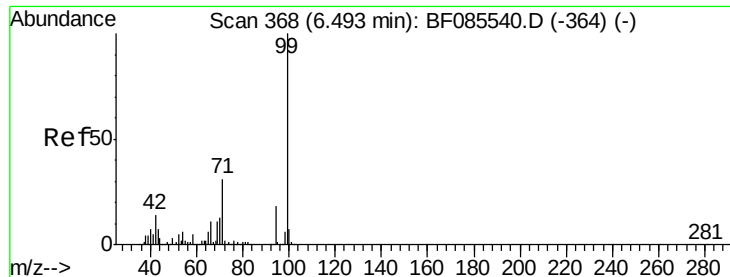


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.40 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

Instrument :

BNA_F

ClientSampleId :

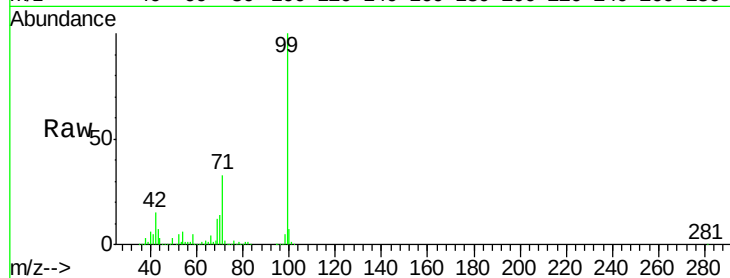
Tot Ion: 99 Resp: 1078777

Ion Ratio Lower Upper

99 100

42 14.8 11.1 16.7

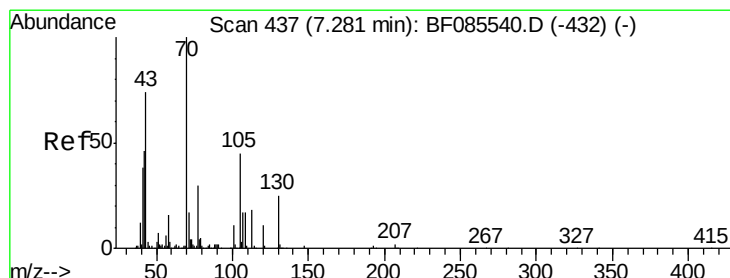
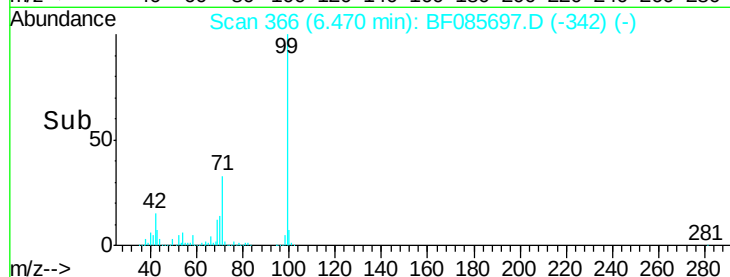
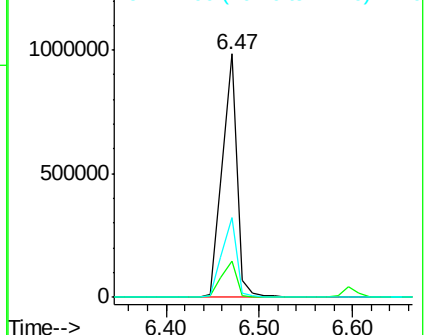
71 32.8 24.9 37.3



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: 15.89 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.11 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

Tgt Ion: 70 Resp: 86469

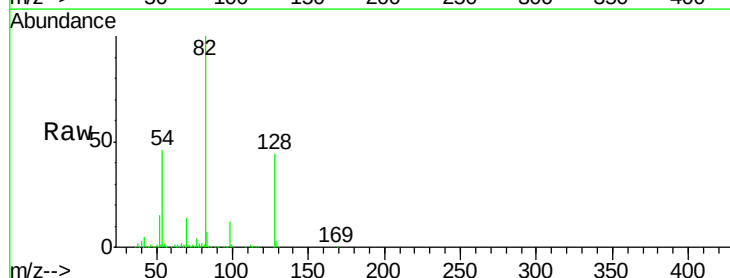
Ion Ratio Lower Upper

70 100

42 39.1 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

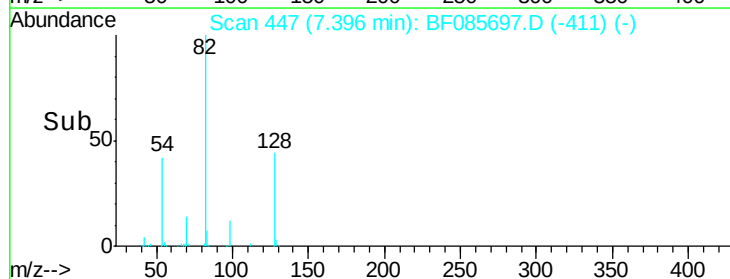
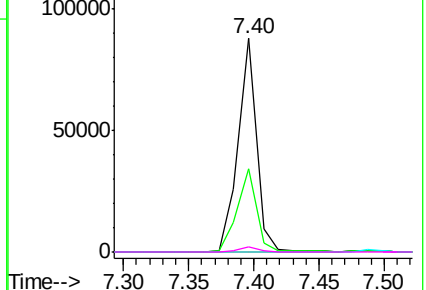


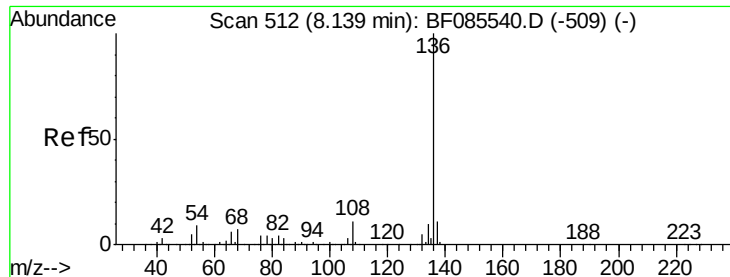
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.12 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 523409

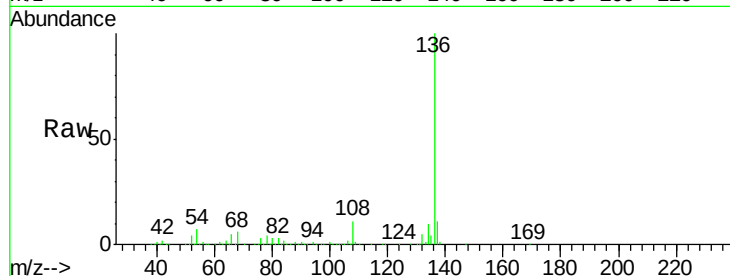
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.7 7.4 11.0#

68 5.7 5.8 8.8#

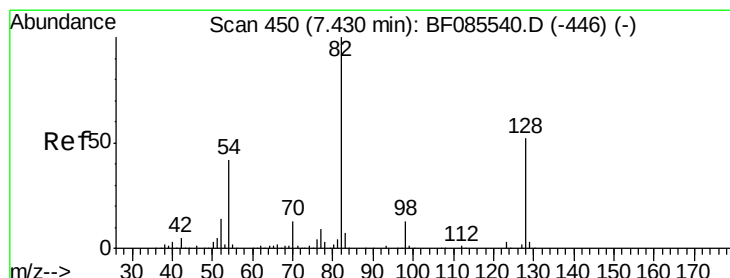
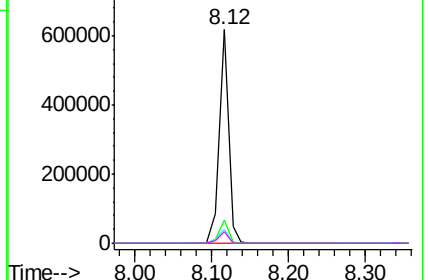
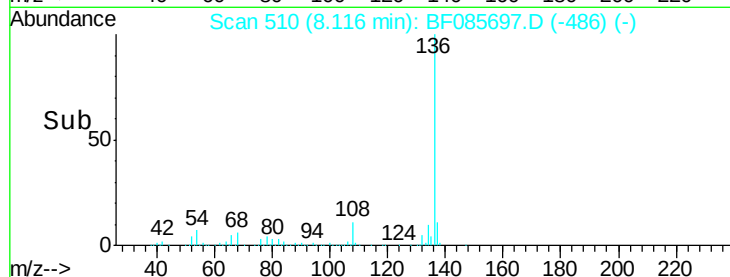


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.07 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.03 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

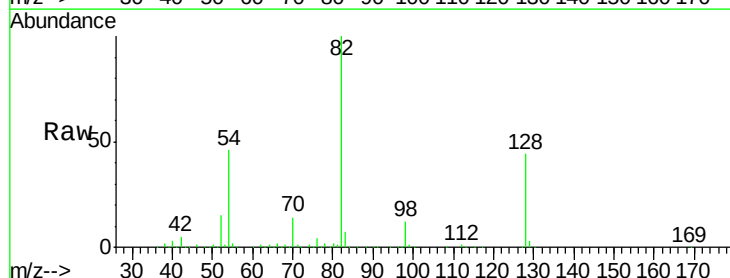
Tgt Ion: 82 Resp: 649874

Ion Ratio Lower Upper

82 100

128 43.8 41.8 62.8

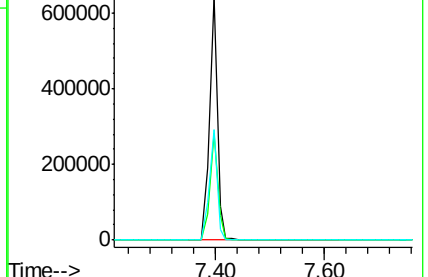
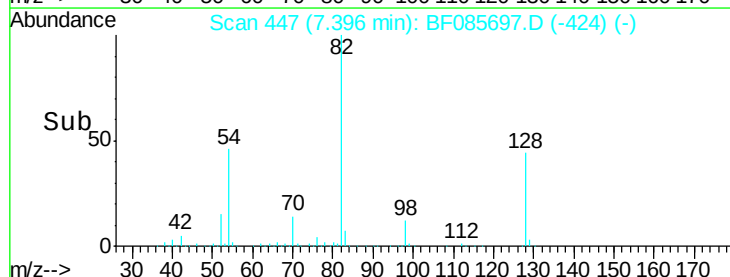
54 45.6 33.4 50.0

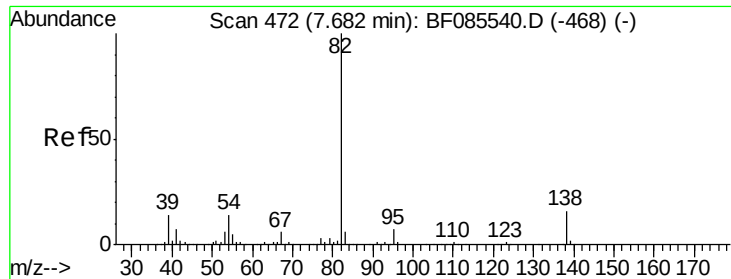


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.67 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.29 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

Instrument :

BNA_F

ClientSampleId :

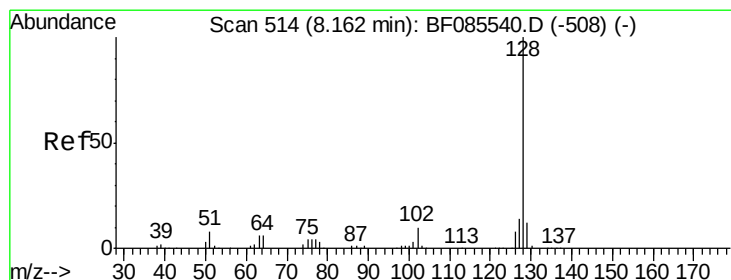
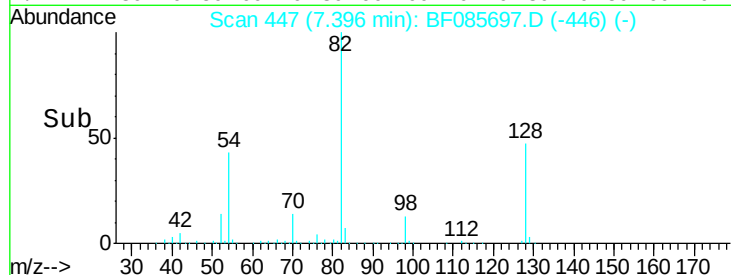
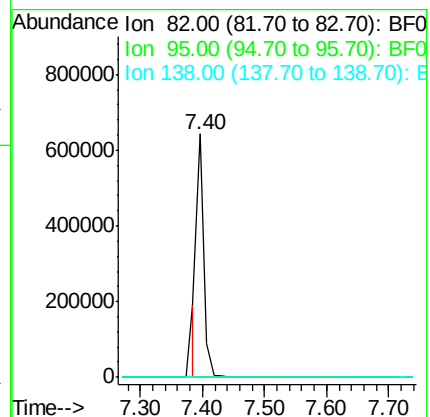
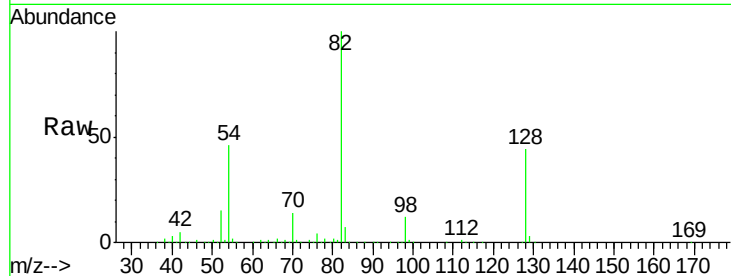
Tot Ion: 82 Resp: 517558

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



#31

Naphthalene

Concen: 3.72 ng

RT: 8.14 min Scan# 512

Delta R.T. -0.02 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

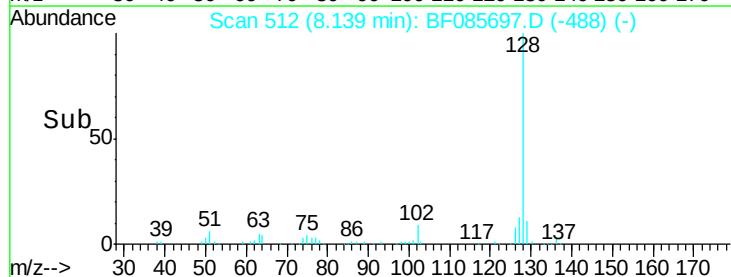
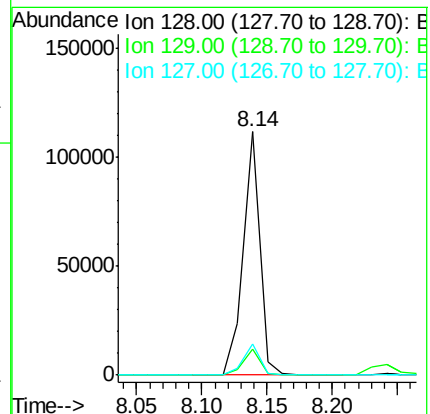
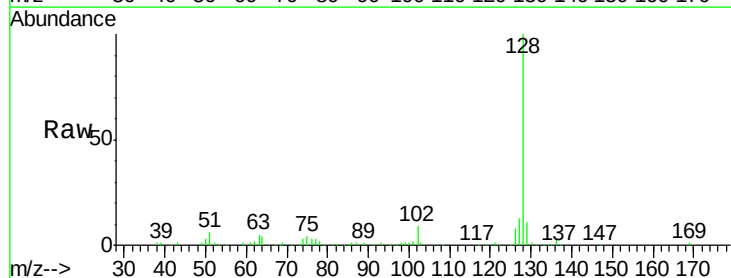
Tgt Ion: 128 Resp: 98242

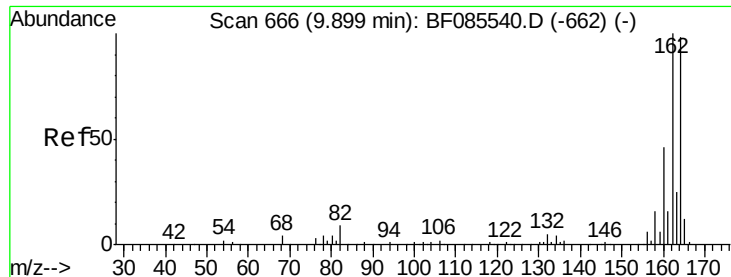
Ion Ratio Lower Upper

128 100

129 10.7 9.4 14.0

127 12.7 11.0 16.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

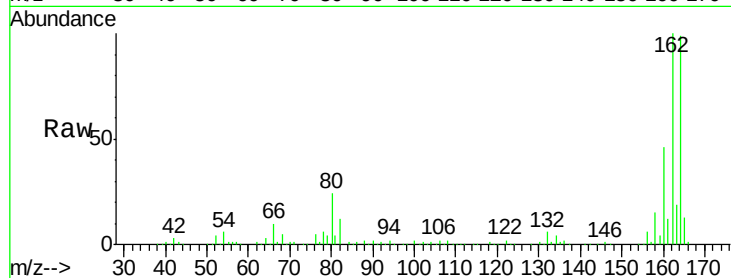
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 219581

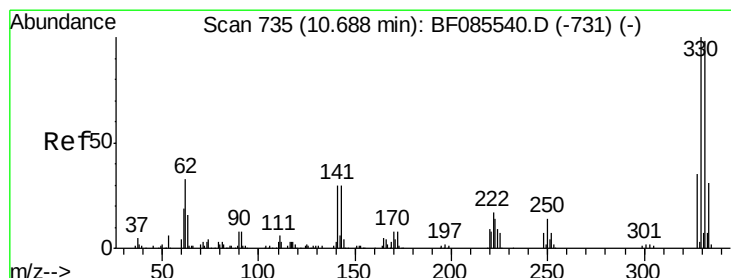
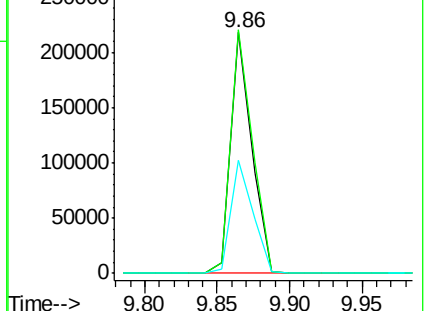
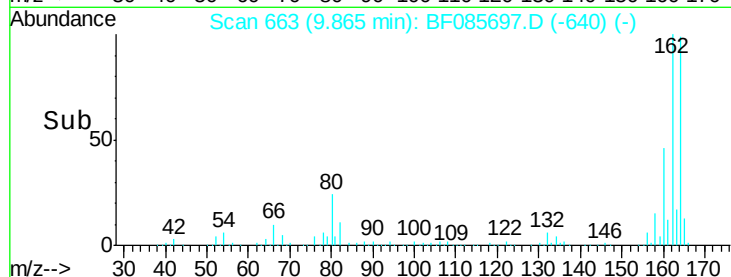
Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.1	123.1
160	46.8	37.4	56.2



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: 116.95 ng

RT: 10.66 min Scan# 733

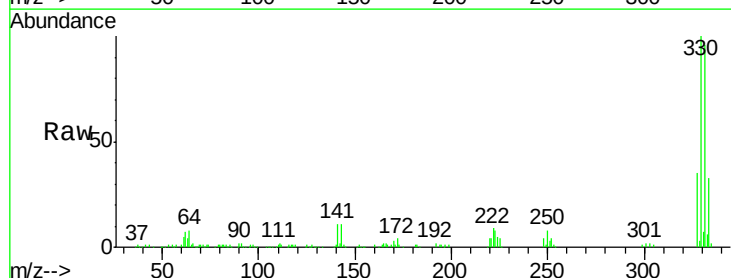
Delta R.T. -0.02 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

Tgt Ion:330 Resp: 251546

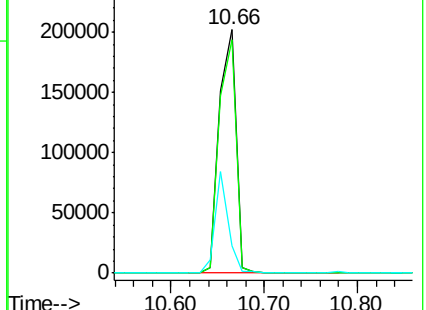
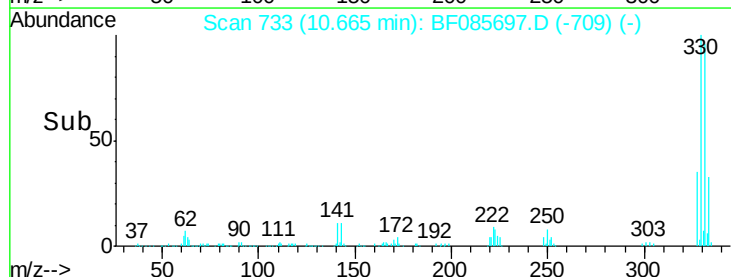
Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.2	117.2
141	33.4	31.5	47.3

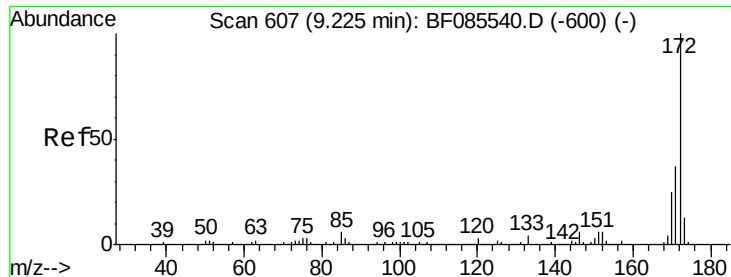


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

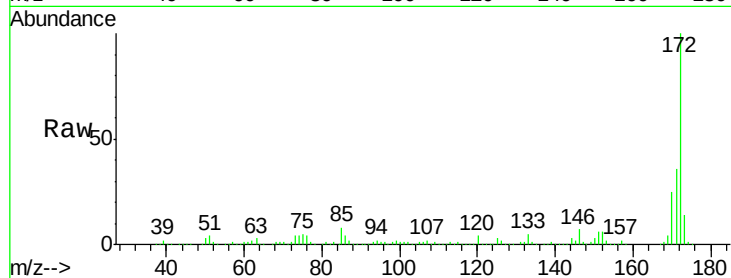




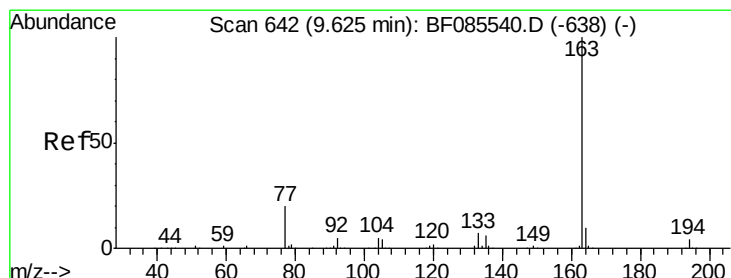
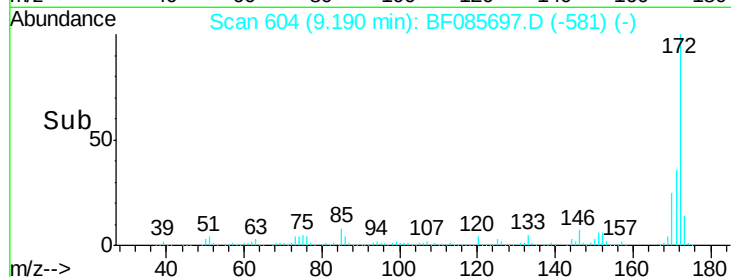
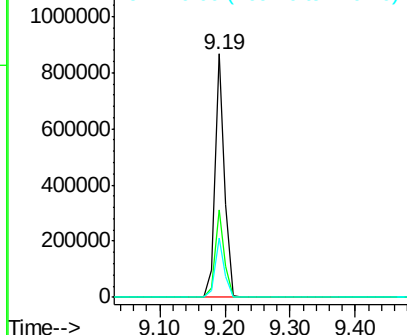
#44
2-Fluorobiphenyl
Concen: 66.21 ng
RT: 9.19 min Scan# 604
Delta R.T. -0.03 min
Lab File: BF085697.D
Acq: 23 Mar 2016 10:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 900998
Ion Ratio Lower Upper
172 100
171 35.9 29.4 44.2
170 24.5 19.8 29.6

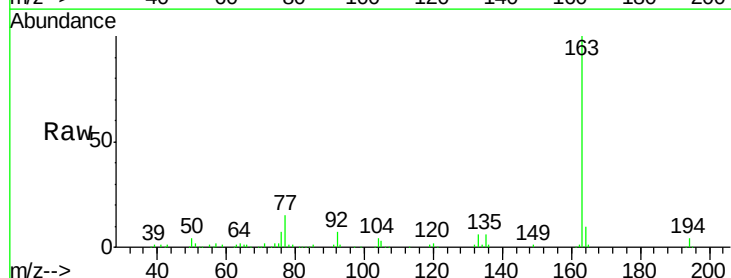


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

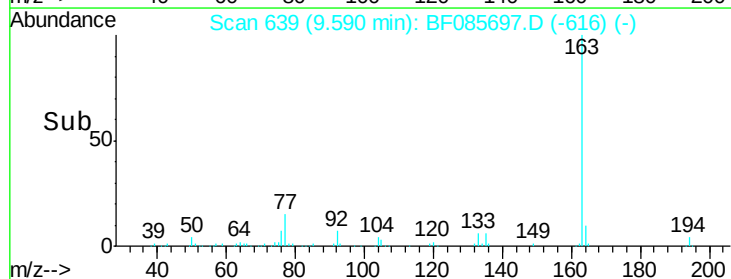
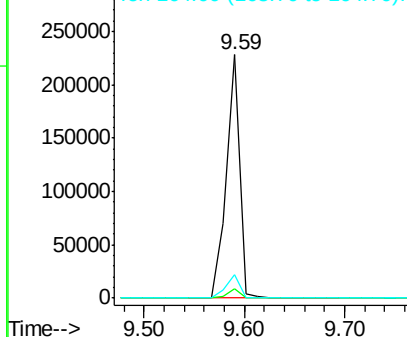


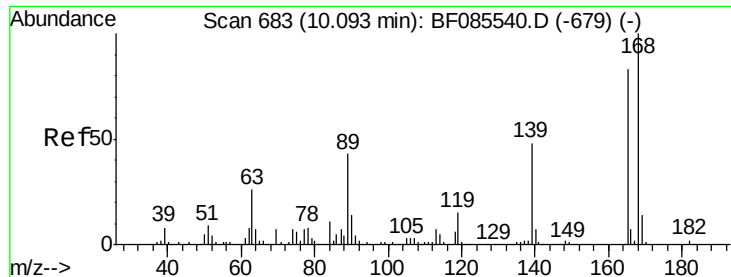
#49
Dimethylphthalate
Concen: 12.68 ng
RT: 9.59 min Scan# 639
Delta R.T. -0.03 min
Lab File: BF085697.D
Acq: 23 Mar 2016 10:23

Tgt Ion:163 Resp: 210134
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 9.7 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

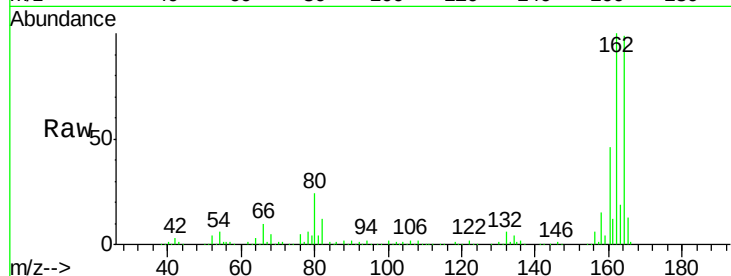




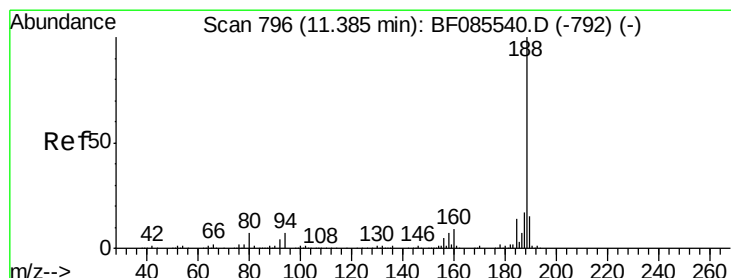
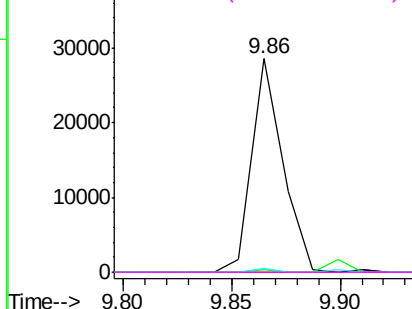
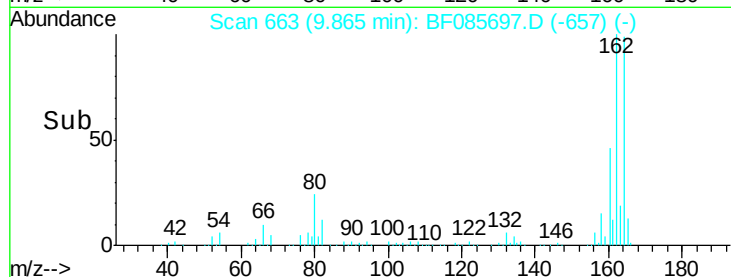
#56
 2,4-Dinitrotoluene
 Concen: 6.20 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.23 min
 Lab File: BF085697.D
 Acq: 23 Mar 2016 10:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 28413
 Ion Ratio Lower Upper
 165 100
 63 1.5 24.9 37.3#
 89 1.8 41.0 61.6#
 182 0.0 2.1 3.1#

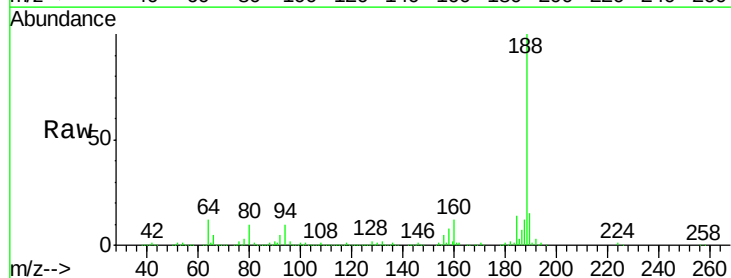


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

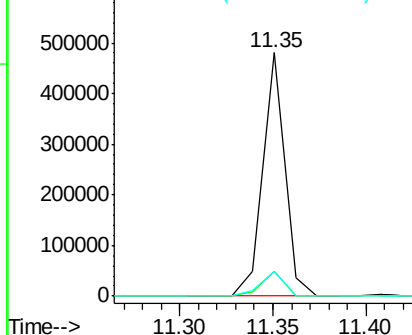
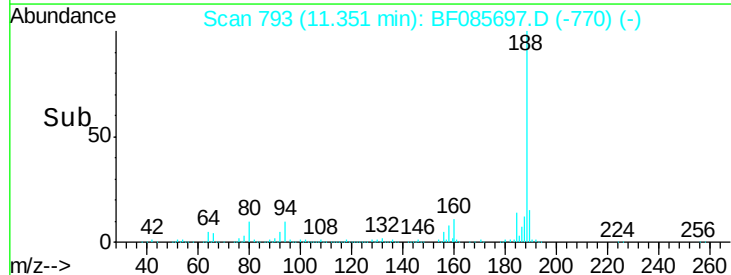


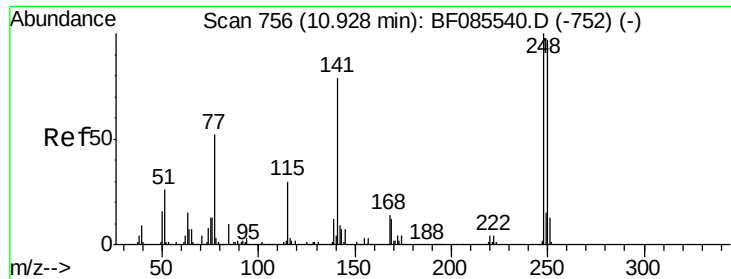
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 793
 Delta R.T. -0.03 min
 Lab File: BF085697.D
 Acq: 23 Mar 2016 10:23

Tgt Ion:188 Resp: 390158
 Ion Ratio Lower Upper
 188 100
 94 10.0 5.4 8.0#
 80 10.1 5.5 8.3#



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

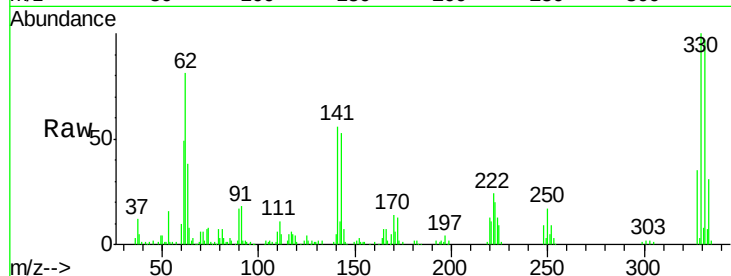




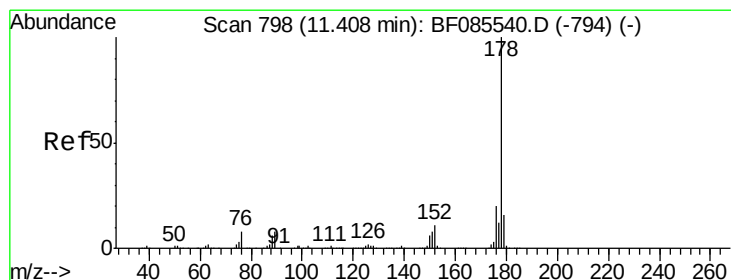
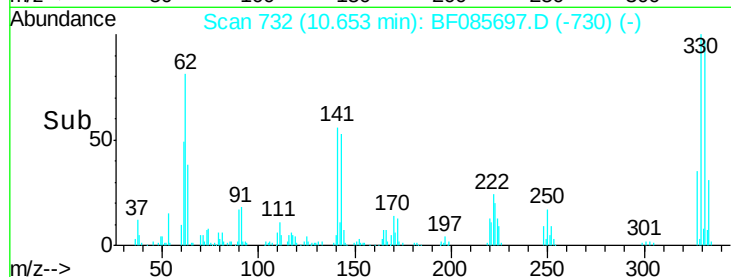
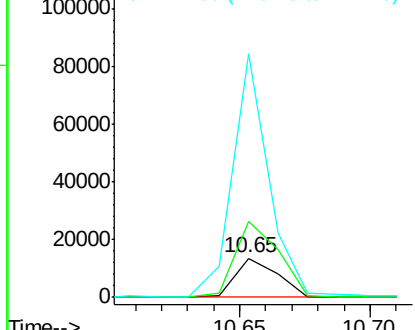
#66
4-Bromophenyl-phenylether
Concen: 3.95 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.27 min
Lab File: BF085697.D
Acq: 23 Mar 2016 10:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 15385
Ion Ratio Lower Upper
248 100
250 195.1 77.4 116.0#
141 626.0 63.6 95.4#

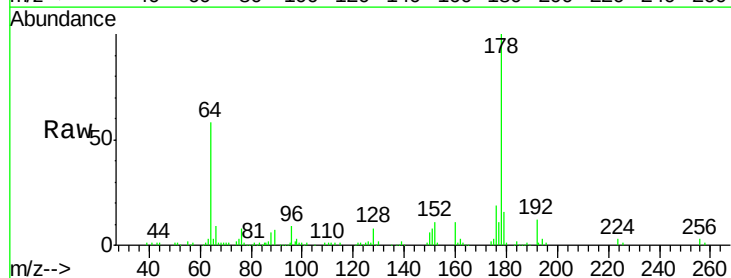


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

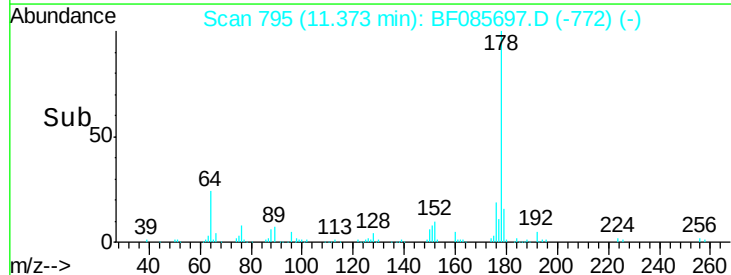
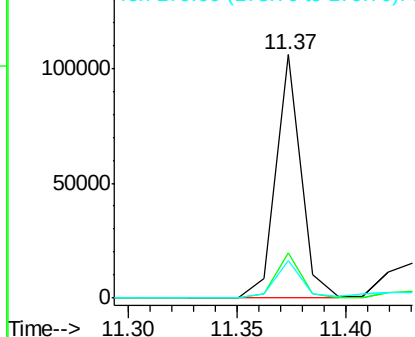


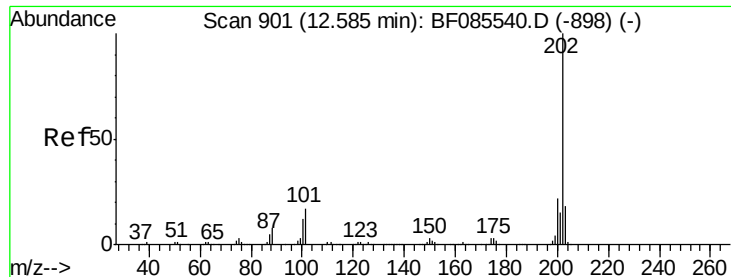
#70
Phenanthrene
Concen: 4.19 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF085697.D
Acq: 23 Mar 2016 10:23

Tgt Ion:178 Resp: 86282
Ion Ratio Lower Upper
178 100
176 18.7 16.3 24.5
179 15.5 12.6 18.8



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: 3.89 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

Instrument :

BNA_F

ClientSampled :

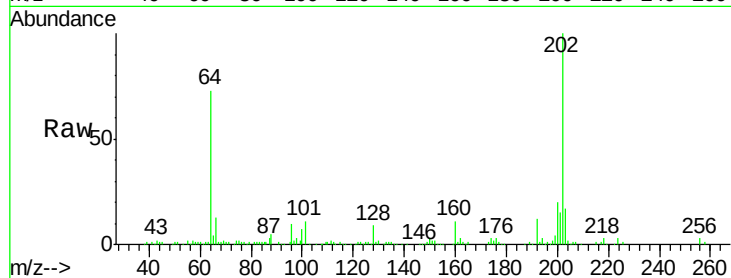
Tot Ion:202 Resp: 83776

Ion Ratio Lower Upper

202 100

101 10.7 0.0 36.6

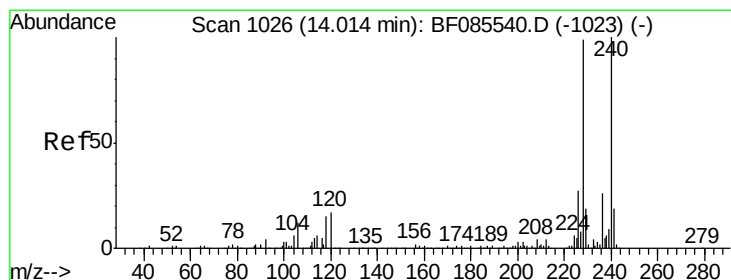
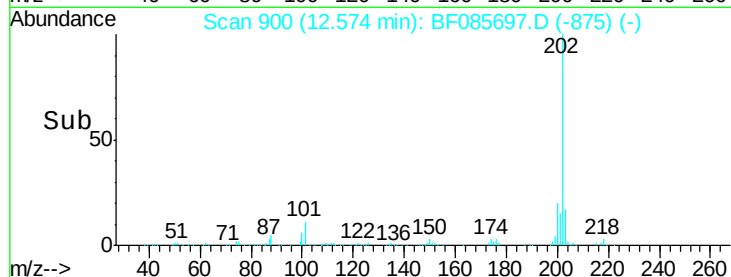
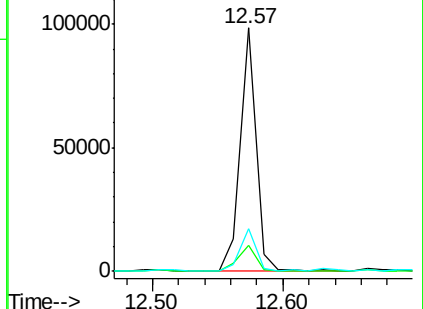
203 17.4 0.0 38.1



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: 13.98 min Scan# 1023

Delta R.T. -0.03 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

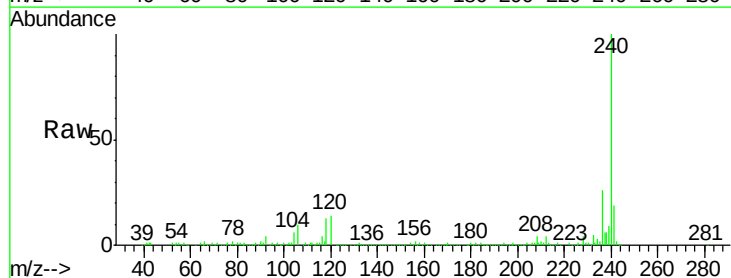
Tgt Ion:240 Resp: 223817

Ion Ratio Lower Upper

240 100

120 14.4 13.8 20.8

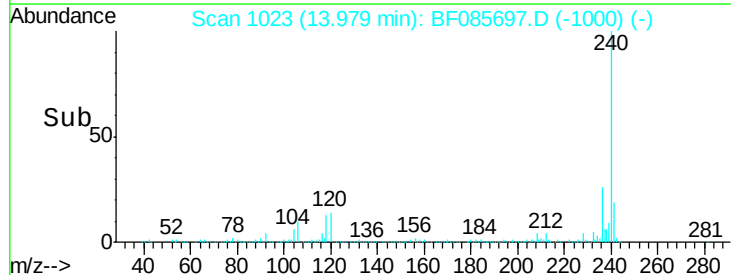
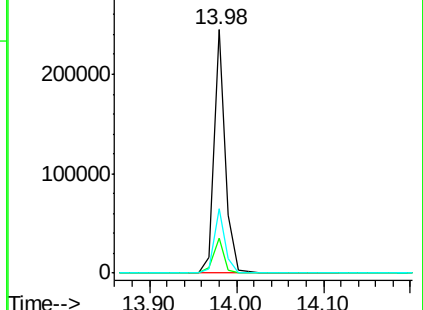
236 26.4 20.6 30.8

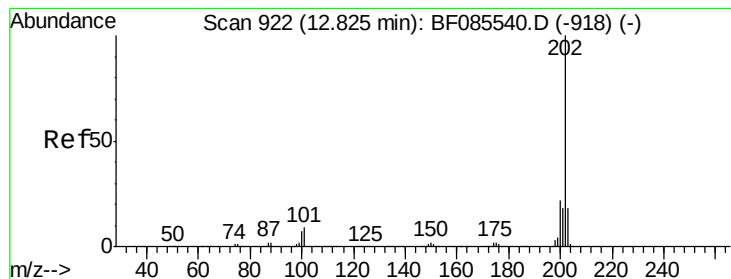


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.40 ng

RT: 12.79 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

Instrument :

BNA_F

ClientSampled :

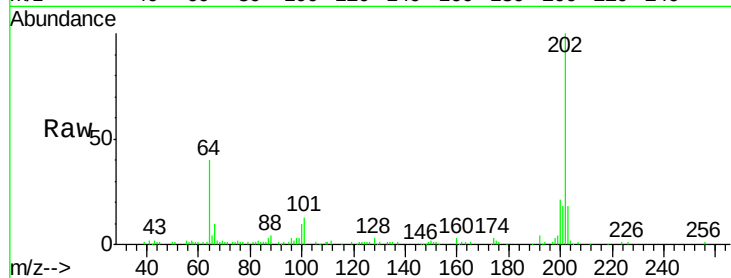
Tot Ion:202 Resp: 70710

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

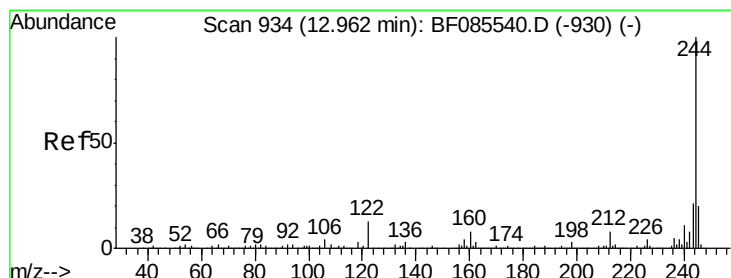
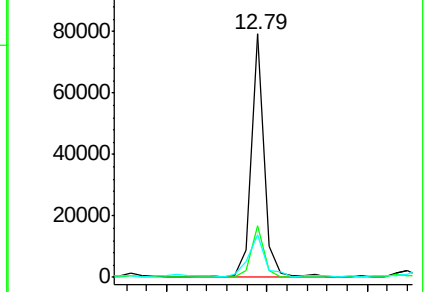
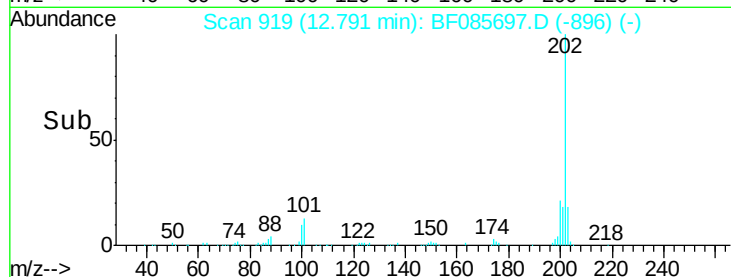
203 17.6 14.0 21.0



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: 64.89 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

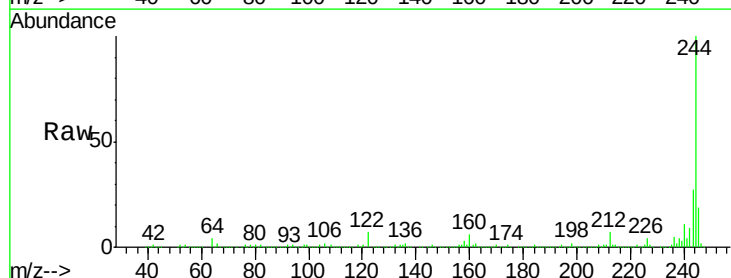
Tgt Ion:244 Resp: 603518

Ion Ratio Lower Upper

244 100

212 6.8 6.1 9.1

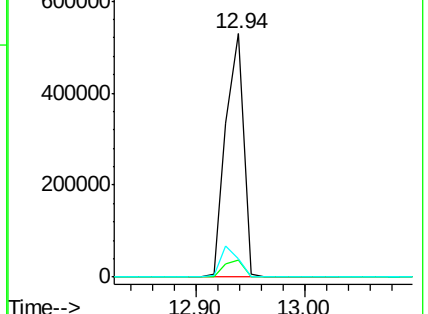
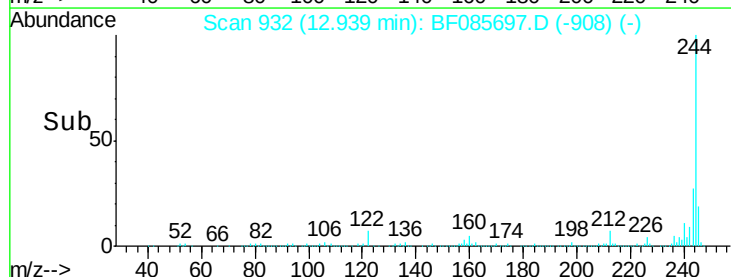
122 7.4 10.2 15.4#

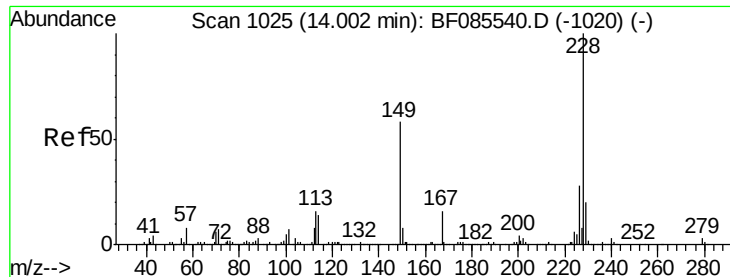


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.11 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

Instrument :

BNA_F

ClientSampleId :

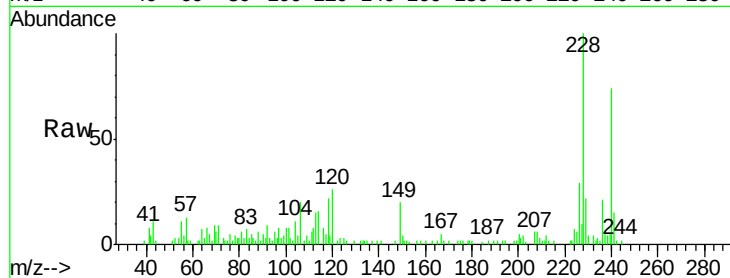
Tot Ion:228 Resp: 27390

Ion Ratio Lower Upper

228 100

226 28.5 22.1 33.1

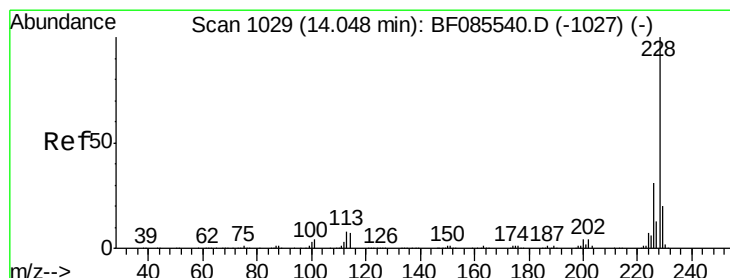
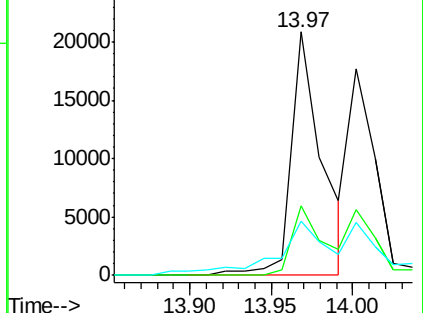
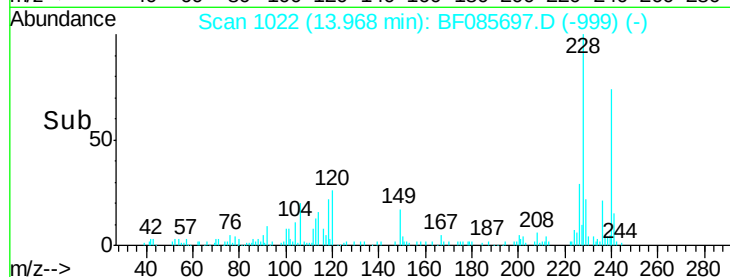
229 22.3 16.2 24.4



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: 2.19 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.08 min

Lab File: BF085697.D

Acq: 23 Mar 2016 10:23

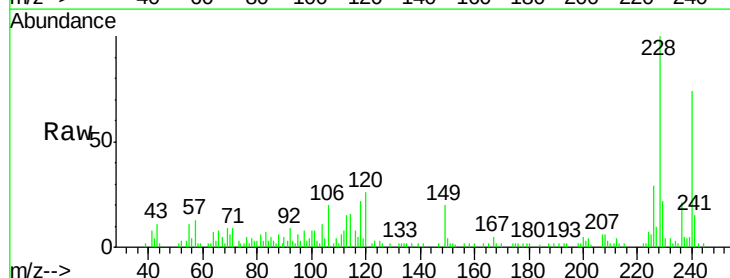
Tgt Ion:228 Resp: 27390

Ion Ratio Lower Upper

228 100

226 28.5 25.0 37.6

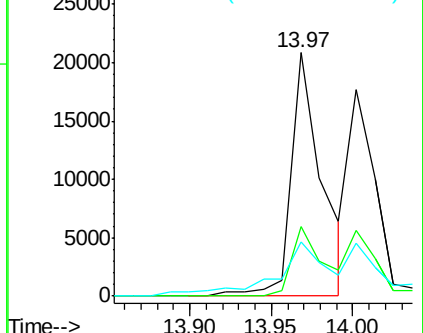
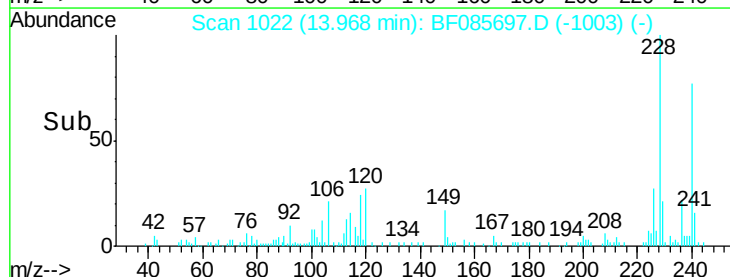
229 22.3 15.7 23.5

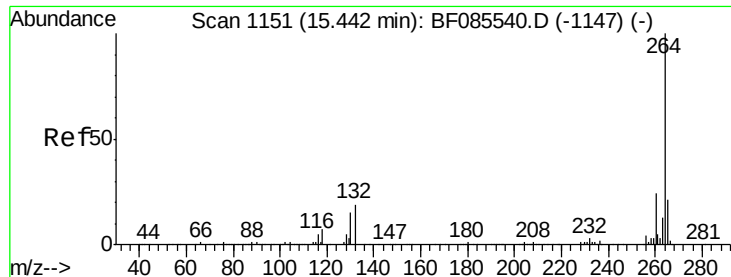


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



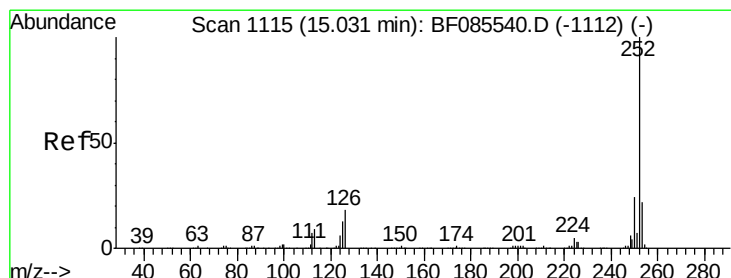
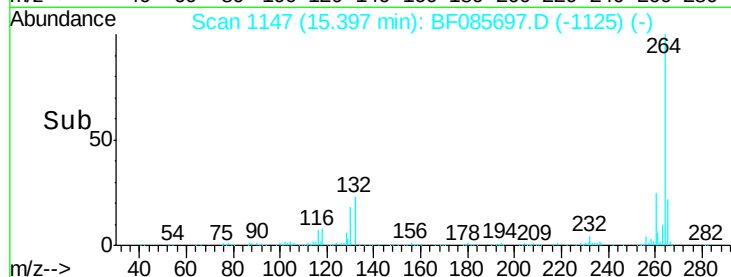
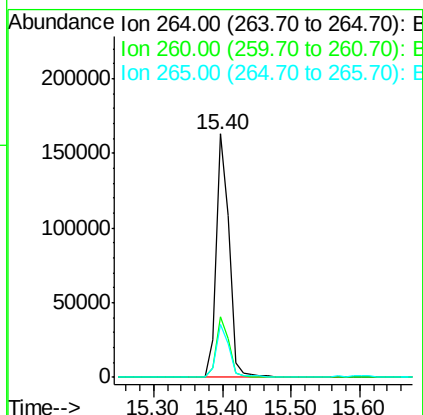
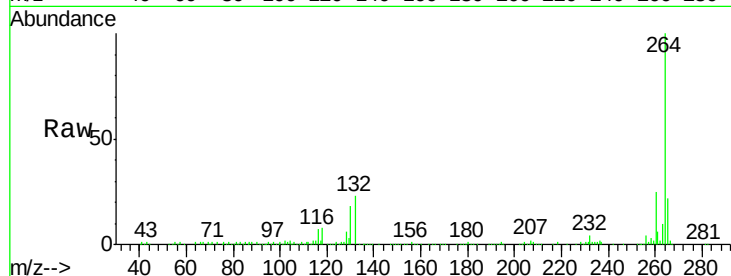


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF085697.D
Acq: 23 Mar 2016 10:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 217250

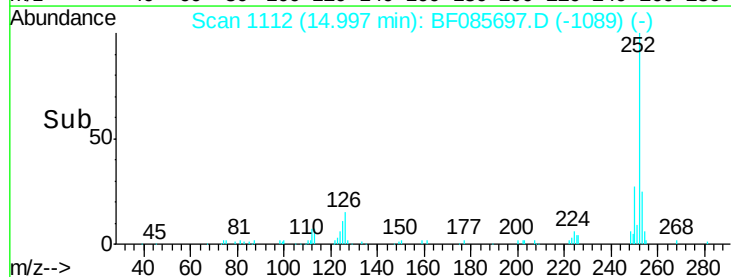
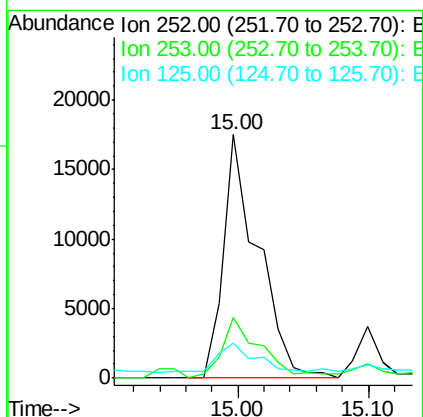
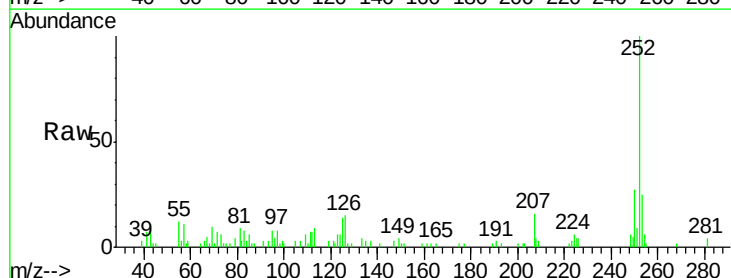
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	21.6	17.2	25.8

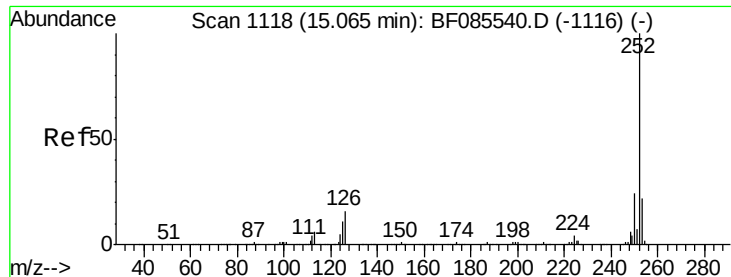


#87
Benzo(b)fluoranthene
Concen: 2.28 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF085697.D
Acq: 23 Mar 2016 10:23

Tgt Ion:252 Resp: 32264

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.6	26.4
125	14.5	10.3	15.5

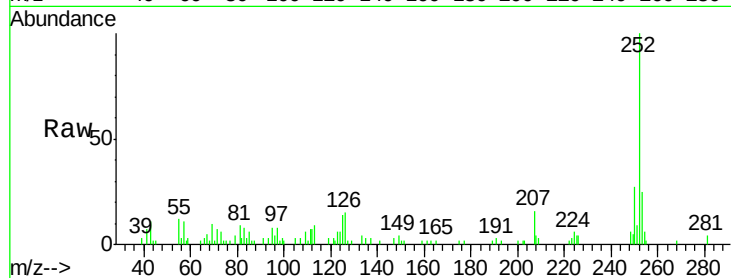




#88
 Benzo(k)fluoranthene
 Concen: 2.76 ng
 RT: 15.00 min Scan# 1112
 Delta R.T. -0.07 min
 Lab File: BF085697.D
 Acq: 23 Mar 2016 10:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.6
125	14.5	7.7	11.5



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

