

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
 Data File : BF085685.D
 Acq On : 23 Mar 2016 4:36
 Operator : UM/SJ
 Sample : H1886-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Quant Time: Mar 23 03:58:32 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

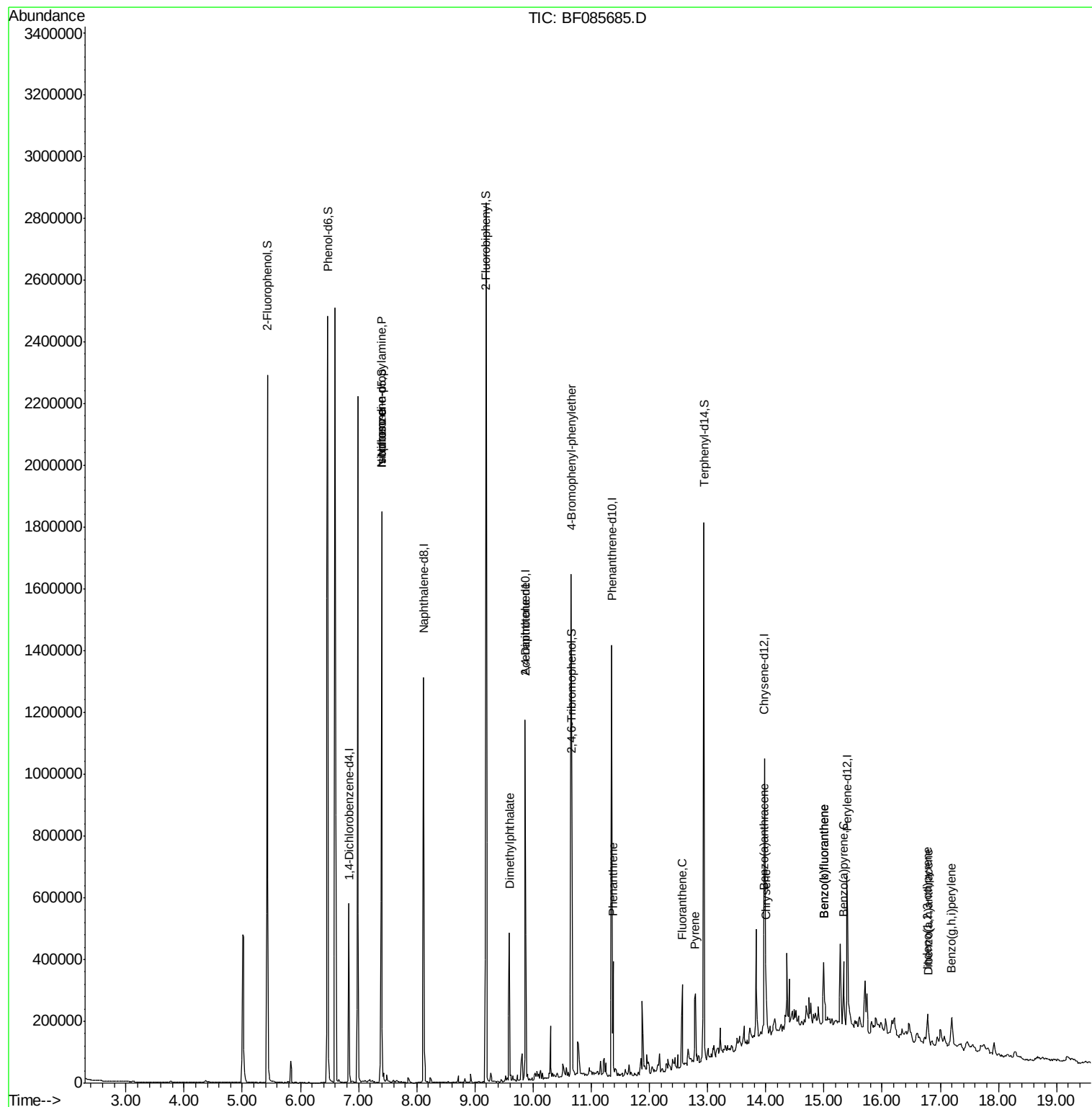
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	128212	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	564540	20.00	ng	-0.02
38) Acenaphthene-d10	9.86	164	245567	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	471724	20.00	ng	-0.03
75) Chrysene-d12	13.98	240	267927	20.00	ng	-0.03
86) Perylene-d12	15.40	264	242942	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	758944	99.43	ng	-0.02
7) Phenol-d6	6.47	99	1150719	117.54	ng	-0.02
23) Nitrobenzene-d5	7.40	82	644307	66.25	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	268987	111.82	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	955847	62.03	ng	-0.03
78) Terphenyl-d14	12.94	244	834692	74.97	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.47	77	1638	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.40	70	87238	14.92	ng	# 79
25) Isophorone	7.40	82	498541	25.60	ng	# 68
49) Dimethylphthalate	9.59	163	220770	11.91	ng	# 99
56) 2,4-Dinitrotoluene	9.86	165	32155	6.28	ng	# 37
66) 4-Bromophenyl-phenylether	10.65	248	16087	3.41	ng	# 1
70) Phenanthrene	11.37	178	130287	5.24	ng	# 98
74) Fluoranthene	12.56	202	129696	4.98	ng	# 89
77) Pyrene	12.79	202	137418	7.14	ng	# 99
80) Benzo(a)anthracene	13.97	228	110324	7.09	ng	# 98
82) Chrysene	14.00	228	89359	5.97	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.78	276	49872	3.99	ng	# 89
87) Benzo(b)fluoranthene	15.00	252	115828	7.31	ng	# 98
88) Benzo(k)fluoranthene	15.00	252	115828	8.87	ng	# 96
89) Benzo(a)pyrene	15.34	252	90832	6.76	ng	# 95
90) Dibenzo(a,h)anthracene	16.79	278	40306	3.60	ng	# 88
91) Benzo(g,h,i)perylene	17.19	276	81588	7.52	ng	# 98

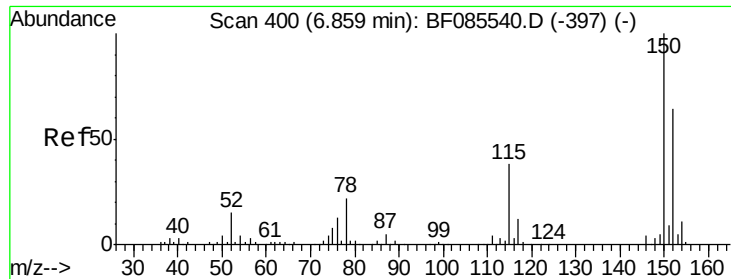
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

ClientSampleId :

SP-5

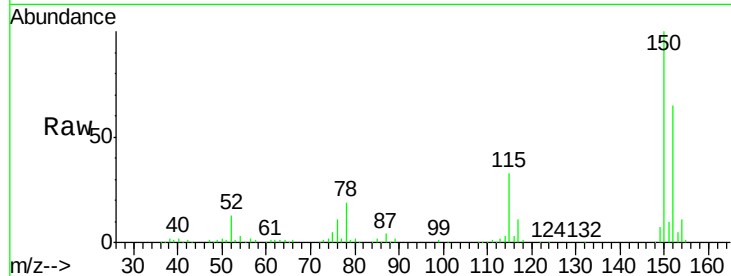
Tgt Ion:152 Resp: 128212

Ion Ratio Lower Upper

152 100

150 154.5 124.2 186.2

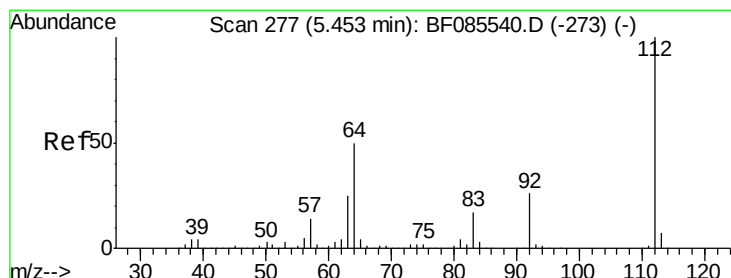
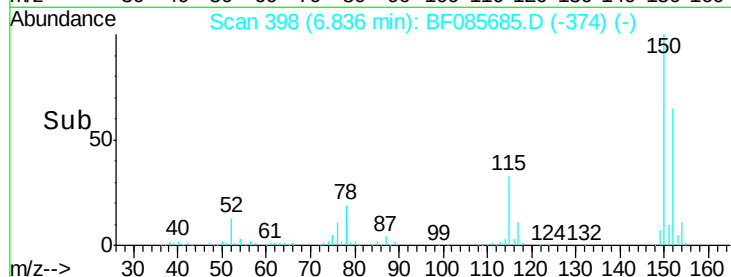
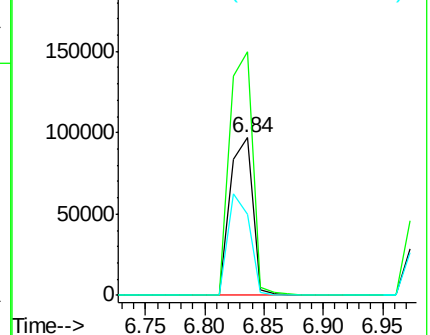
115 51.6 47.0 70.6



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: 99.43 ng

RT: 5.43 min Scan# 275

Delta R.T. -0.02 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

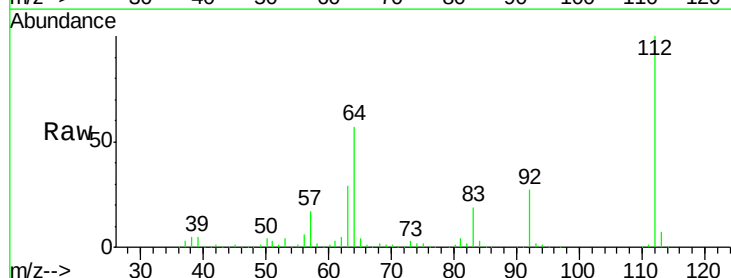
Tgt Ion:112 Resp: 758944

Ion Ratio Lower Upper

112 100

64 56.7 39.9 59.9

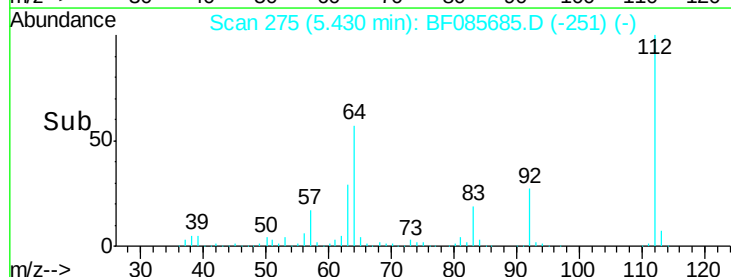
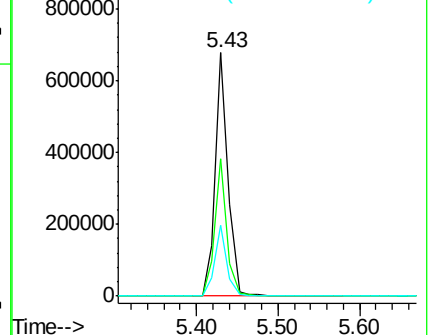
63 29.1 20.2 30.2

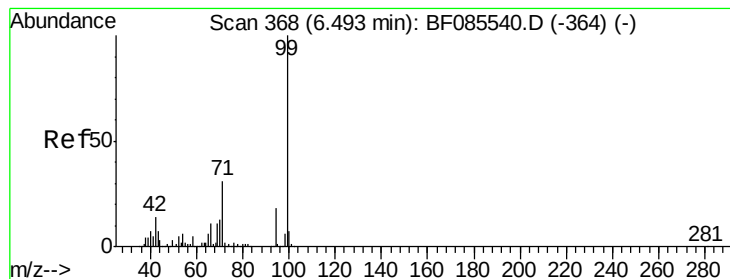


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.54 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

ClientSampleId :

SP-5

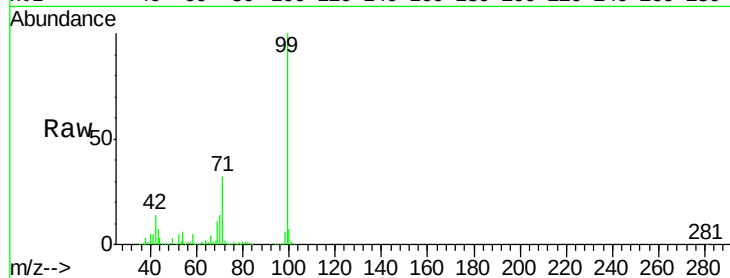
Tgt Ion: 99 Resp: 1150719

Ion Ratio Lower Upper

99 100

42 13.8 11.1 16.7

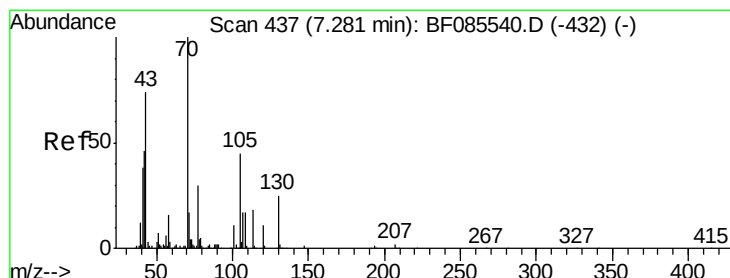
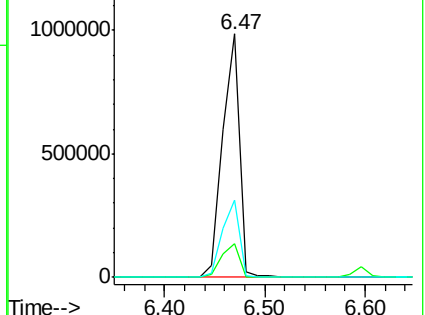
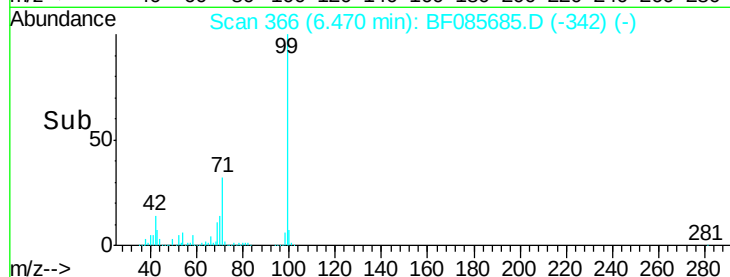
71 31.6 24.9 37.3



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: 14.92 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.11 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Tgt Ion: 70 Resp: 87238

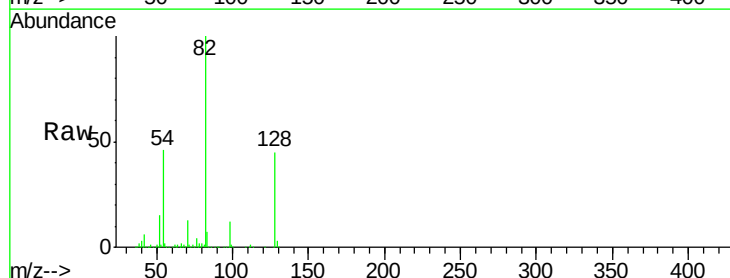
Ion Ratio Lower Upper

70 100

42 41.8 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

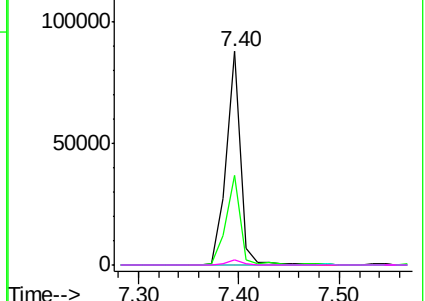
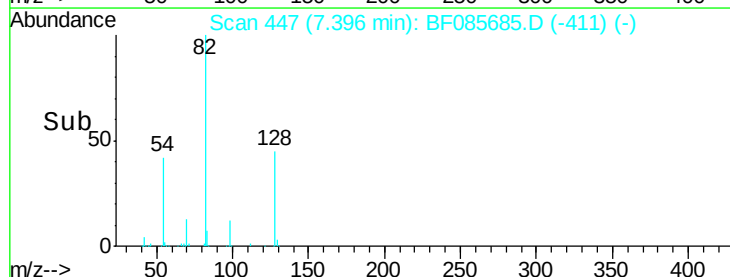


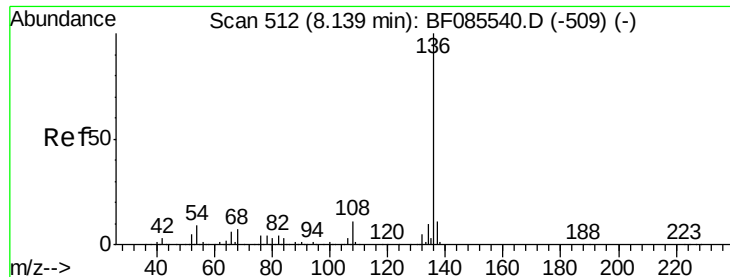
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

ClientSampleId :

SP-5

Tgt Ion:136 Resp: 564540

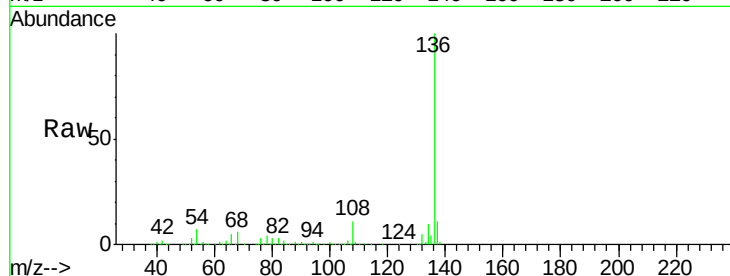
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.7 7.4 11.0#

68 5.7 5.8 8.8#

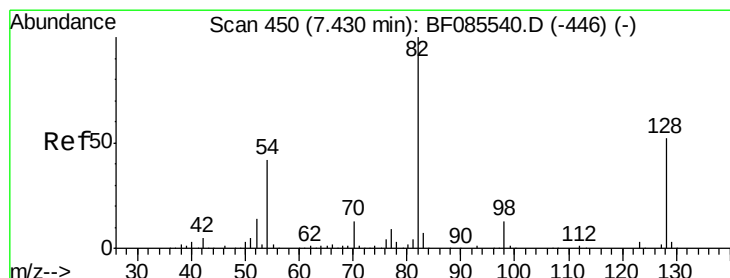
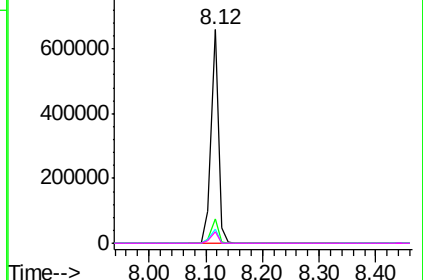
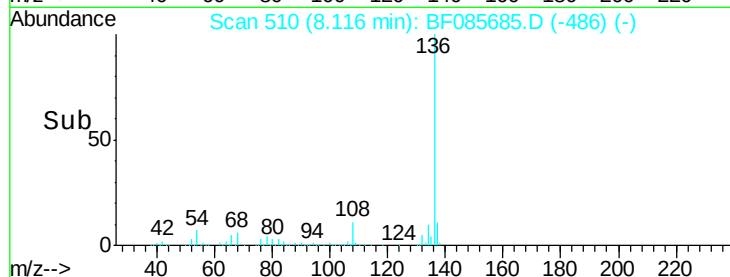


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.25 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.03 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

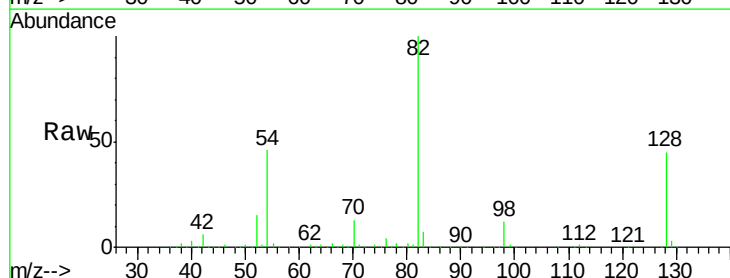
Tgt Ion: 82 Resp: 644307

Ion Ratio Lower Upper

82 100

128 44.7 41.8 62.8

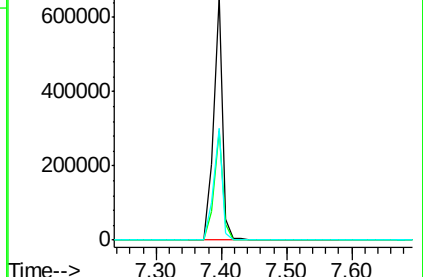
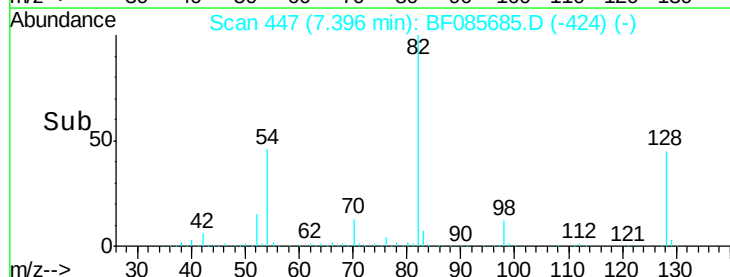
54 45.8 33.4 50.0

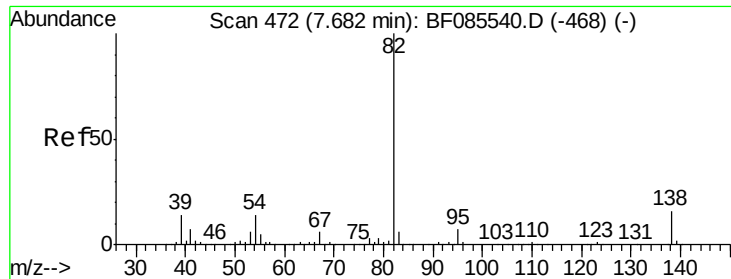


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 25.60 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.29 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

ClientSampled :

SP-5

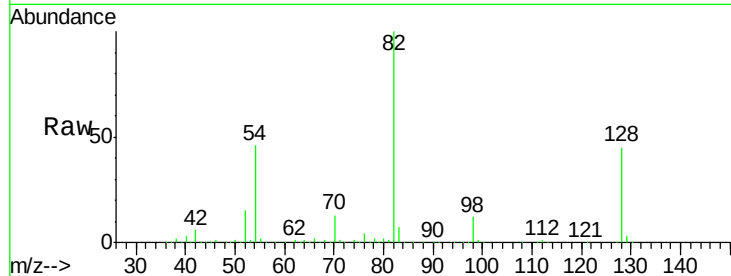
Tgt Ion: 82 Resp: 498541

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

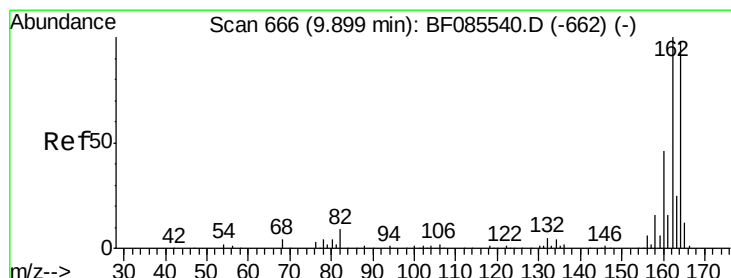
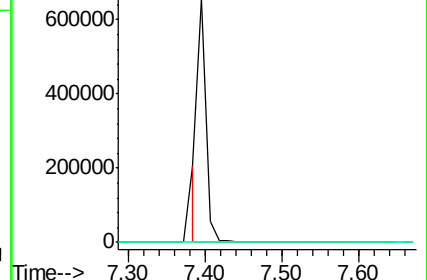
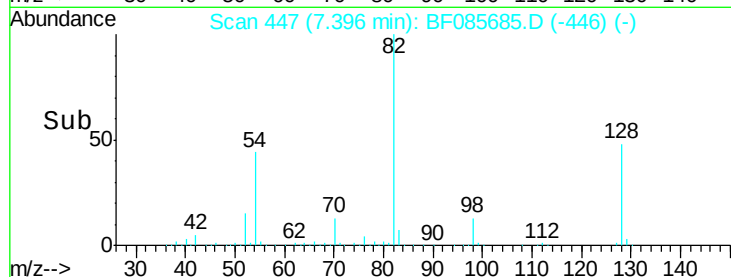
138 0.0 12.9 19.3#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

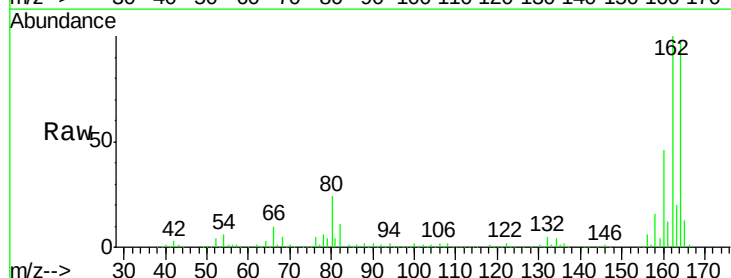
Tgt Ion: 164 Resp: 245567

Ion Ratio Lower Upper

164 100

162 101.7 82.1 123.1

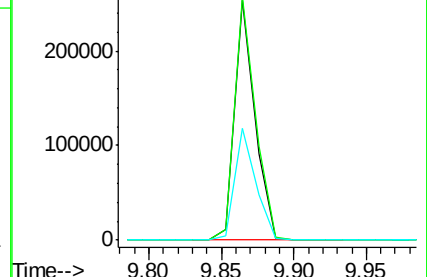
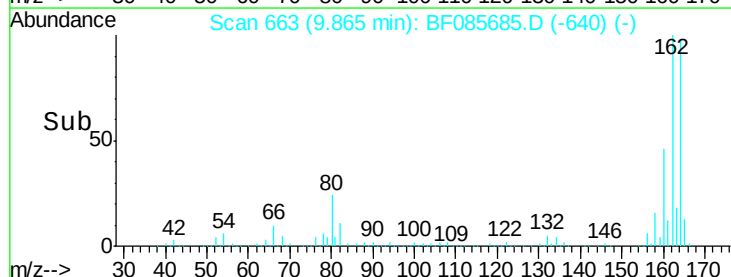
160 46.5 37.4 56.2

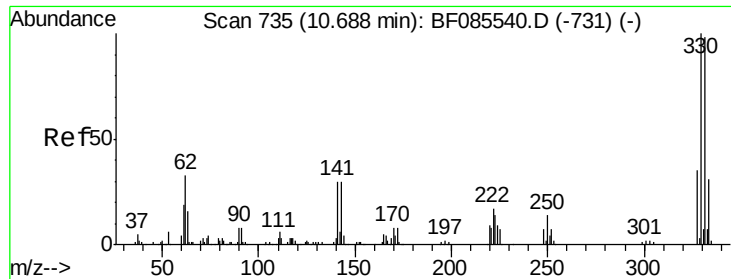


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

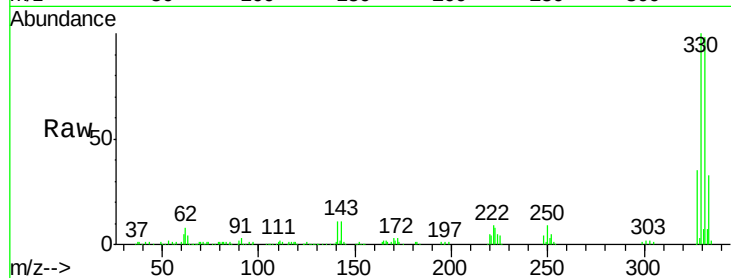




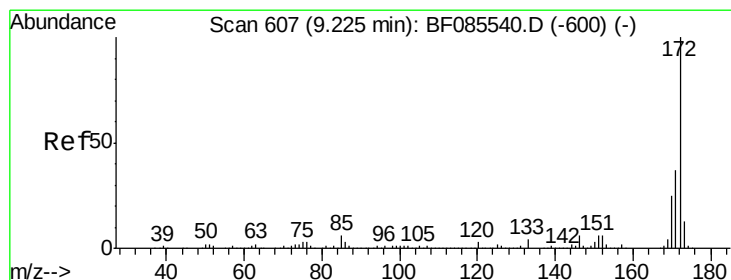
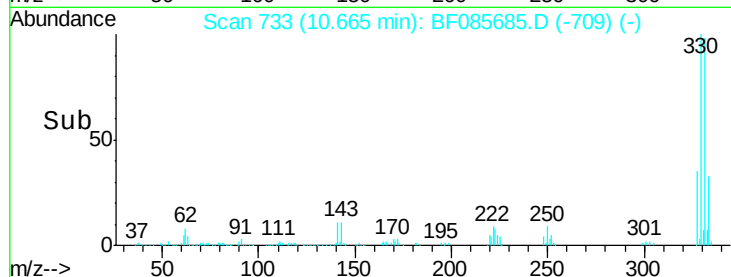
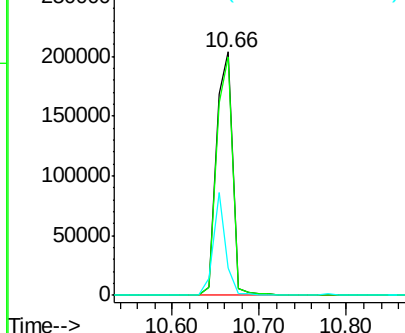
#41
 2,4,6-Tribromophenol
 Concen: 111.82 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085685.D
 Acq: 23 Mar 2016 4:36

Instrument :
 BNA_F
 ClientSampled :
 SP-5

Tgt Ion:330 Resp: 268987
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.2 117.2
 141 33.1 31.5 47.3

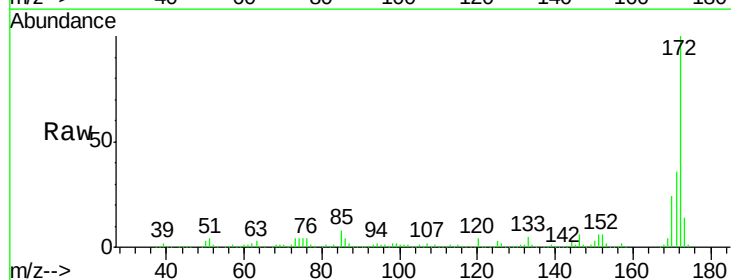


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

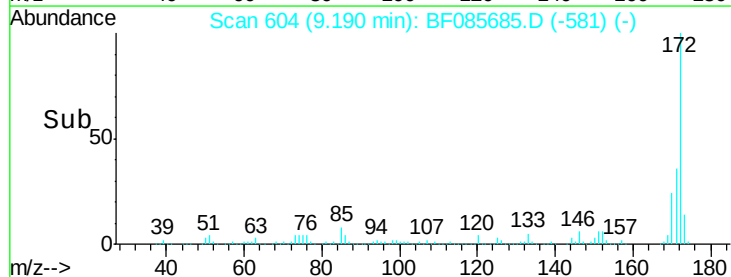
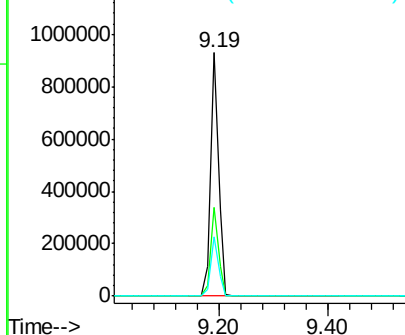


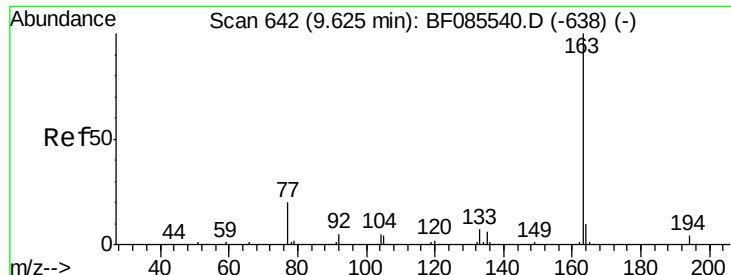
#44
 2-Fluorobiphenyl
 Concen: 62.03 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: BF085685.D
 Acq: 23 Mar 2016 4:36

Tgt Ion:172 Resp: 955847
 Ion Ratio Lower Upper
 172 100
 171 36.4 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

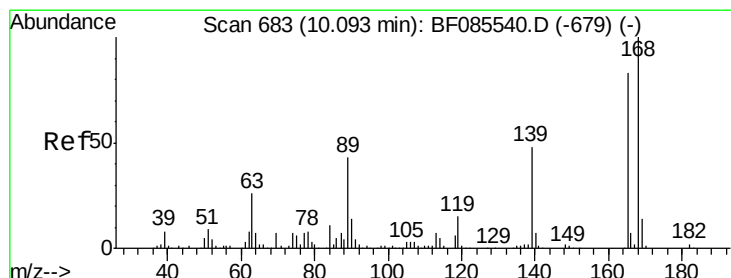
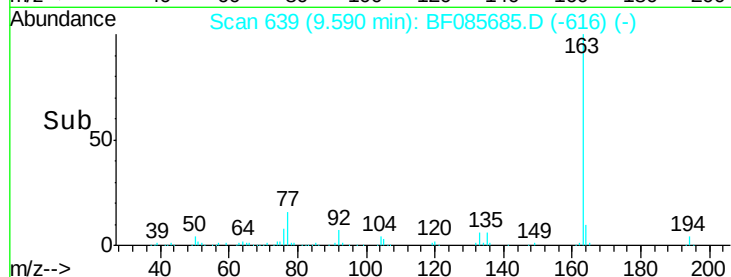
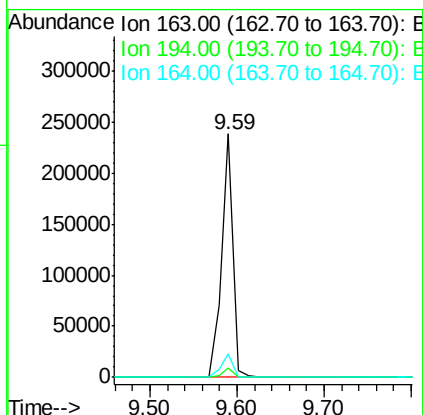
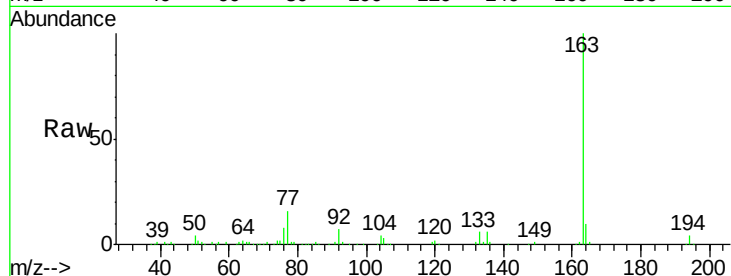




#49
Dimethylphthalate
Concen: 11.91 ng
RT: 9.59 min Scan# 639
Delta R.T. -0.03 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

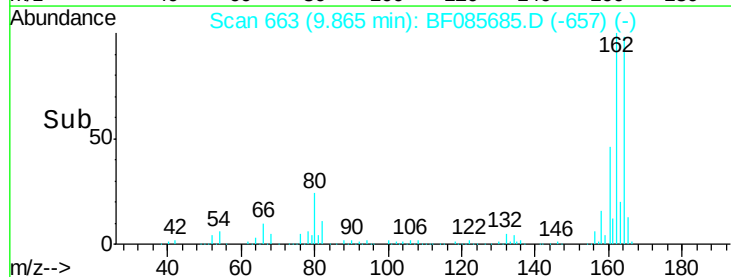
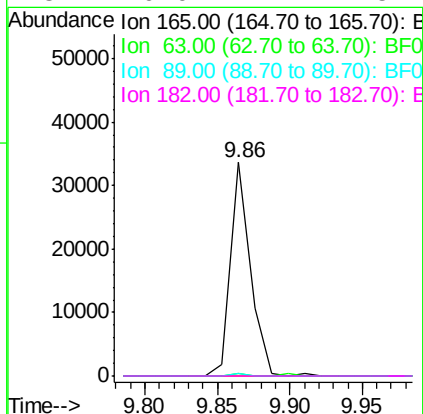
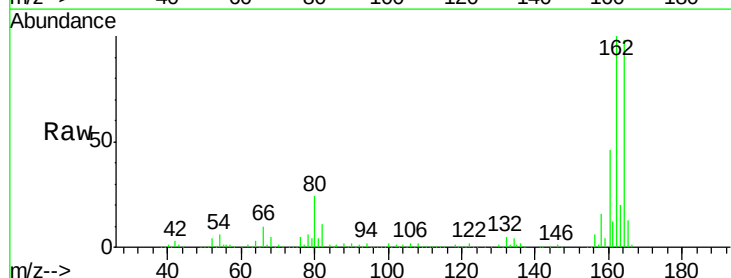
Instrument :
BNA_F
ClientSampleId :
SP-5

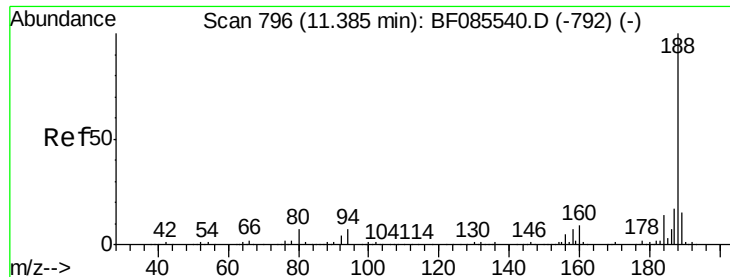
Tgt Ion:163 Resp: 220770
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 9.9 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.28 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.23 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Tgt Ion:165 Resp: 32155
Ion Ratio Lower Upper
165 100
63 1.4 24.9 37.3#
89 1.4 41.0 61.6#
182 0.0 2.1 3.1#

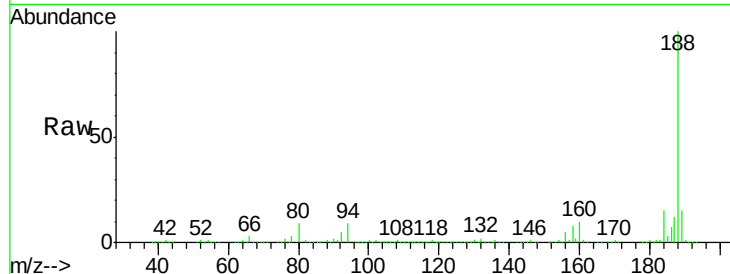




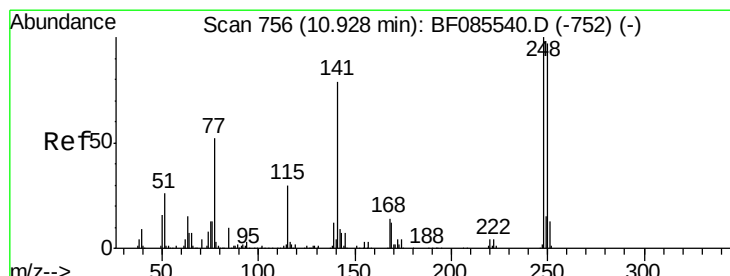
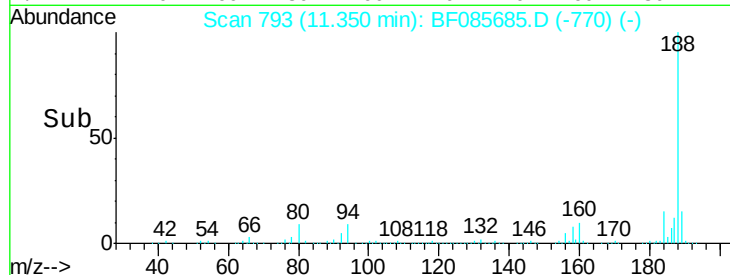
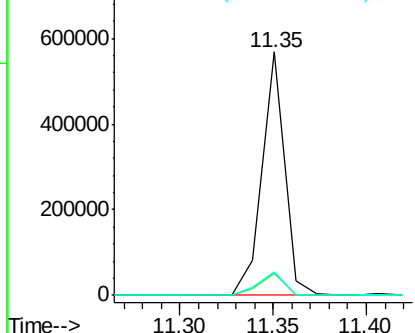
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.03 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion:188 Resp: 471724
Ion Ratio Lower Upper
188 100
94 9.3 5.4 8.0#
80 9.5 5.5 8.3#

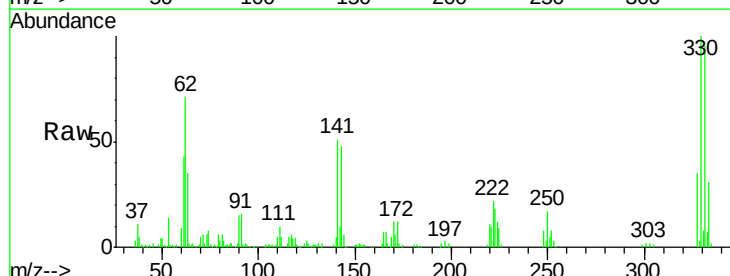


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

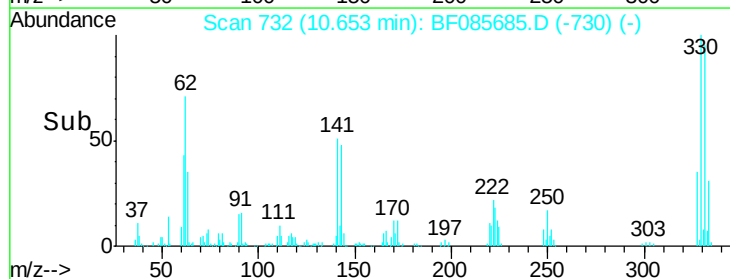
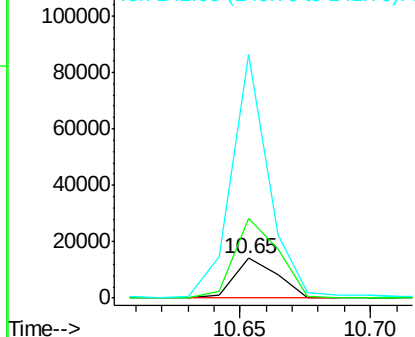


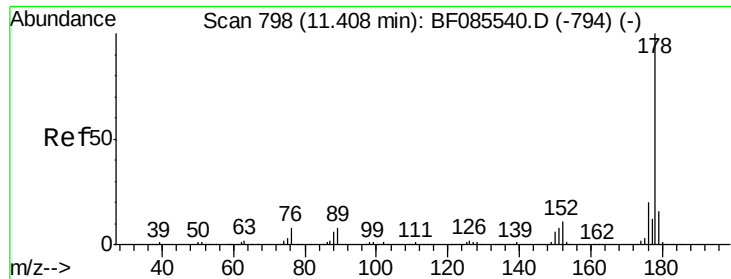
#66
4-Bromophenyl-phenylether
Concen: 3.41 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.27 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Tgt Ion:248 Resp: 16087
Ion Ratio Lower Upper
248 100
250 198.5 77.4 116.0#
141 608.6 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

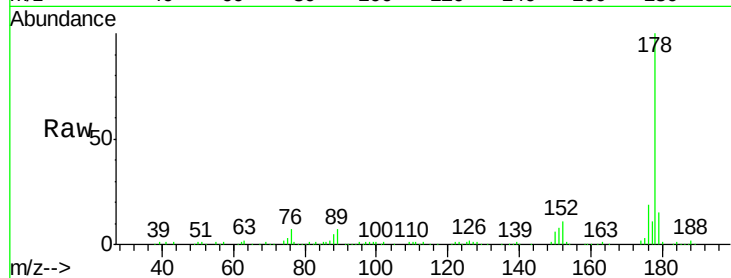




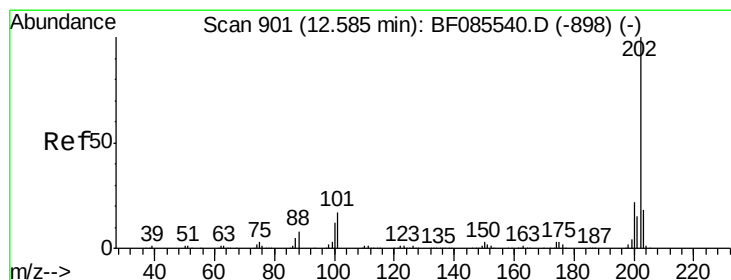
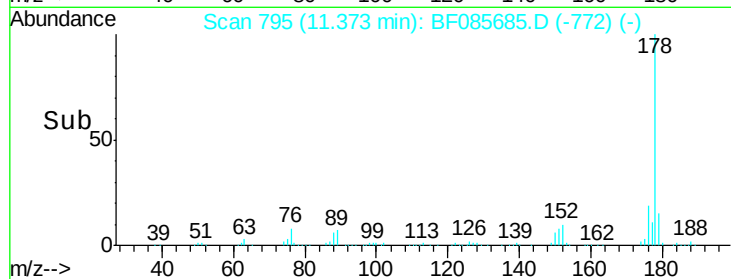
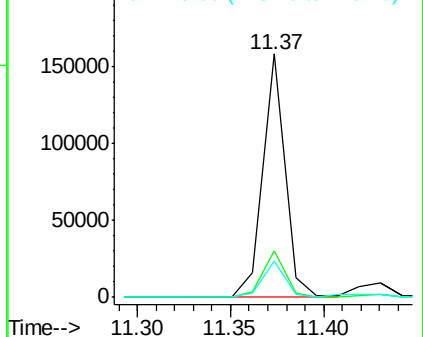
#70
Phenanthrene
Concen: 5.24 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion:178 Resp: 130287
Ion Ratio Lower Upper
178 100
176 19.0 16.3 24.5
179 15.1 12.6 18.8

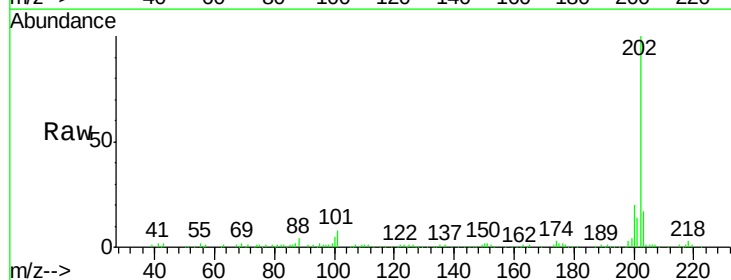


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

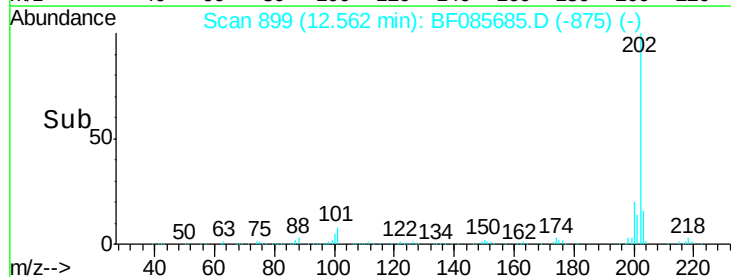
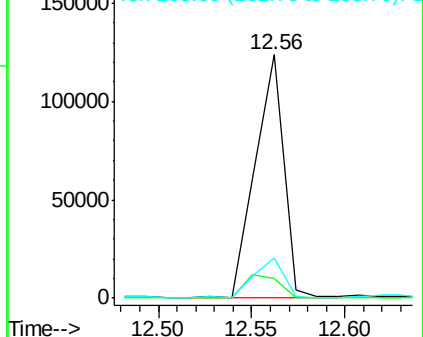


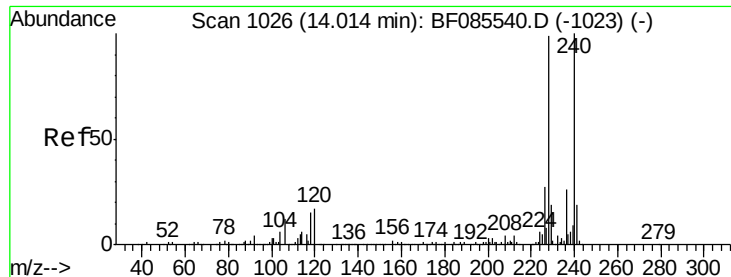
#74
Fluoranthene
Concen: 4.98 ng
RT: 12.56 min Scan# 899
Delta R.T. -0.02 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Tgt Ion:202 Resp: 129696
Ion Ratio Lower Upper
202 100
101 8.0 0.0 36.6
203 16.6 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: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

ClientSampleId :

SP-5

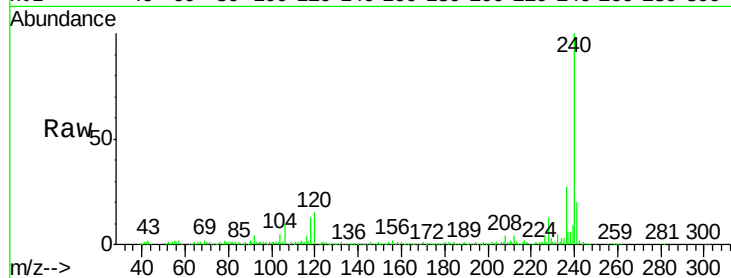
Tgt Ion:240 Resp: 267927

Ion Ratio Lower Upper

240 100

120 14.6 13.8 20.8

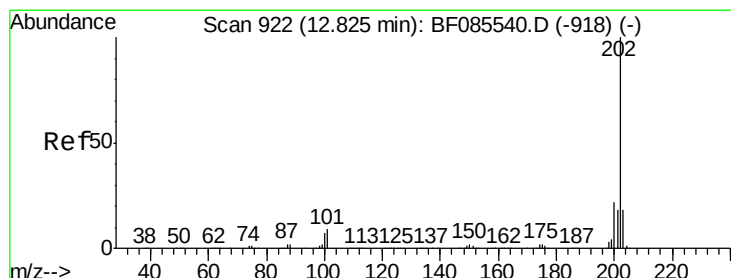
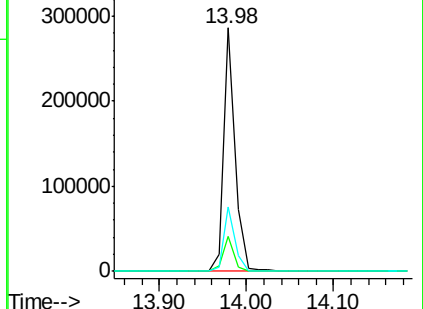
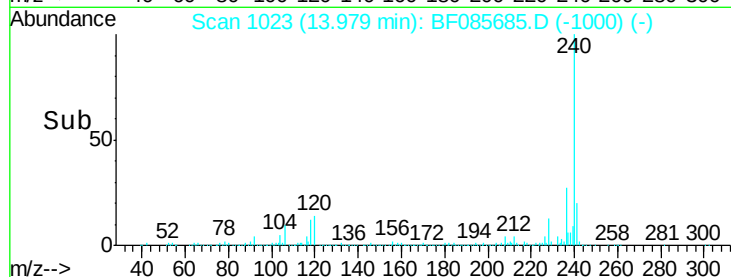
236 26.7 20.6 30.8



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

Pyrene

Concen: 7.14 ng

RT: 12.79 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

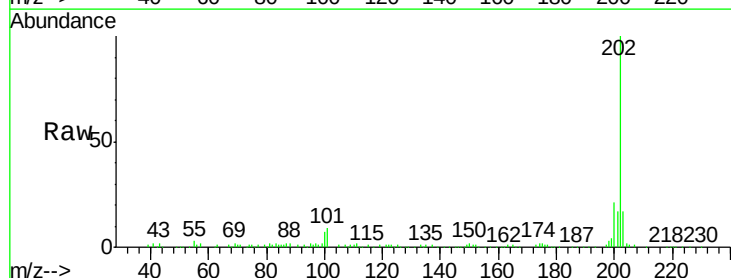
Tgt Ion:202 Resp: 137418

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

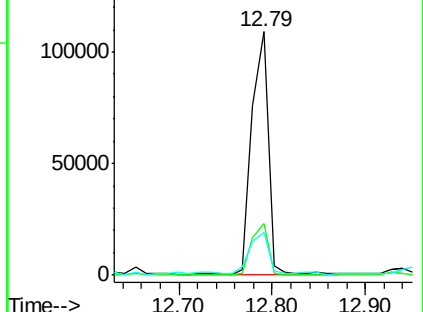
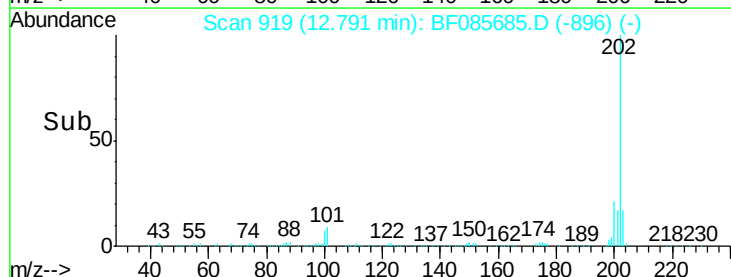
203 17.4 14.0 21.0

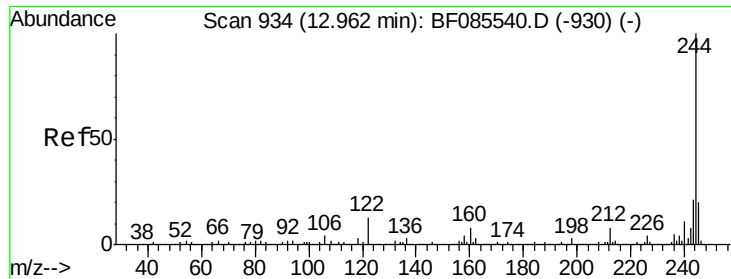


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

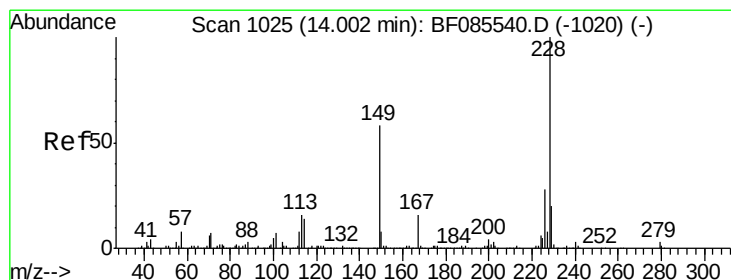
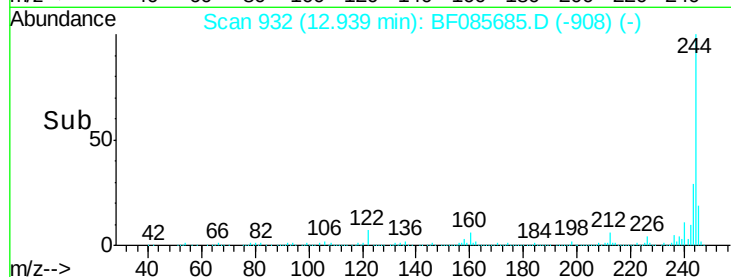
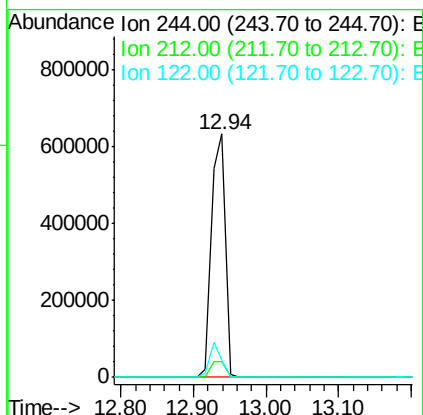
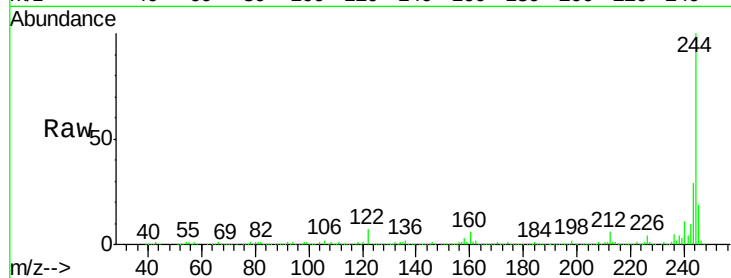




#78
 Terphenyl-d14
 Concen: 74.97 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: BF085685.D
 Acq: 23 Mar 2016 4:36

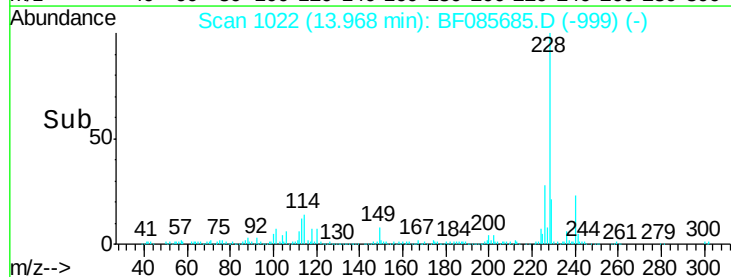
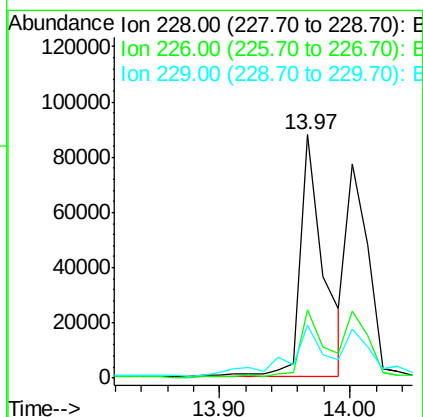
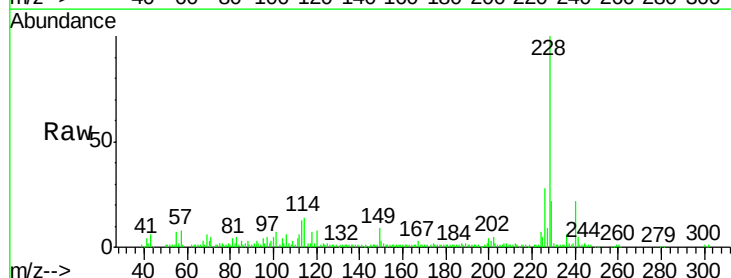
Instrument :
 BNA_F
 ClientSampleId :
 SP-5

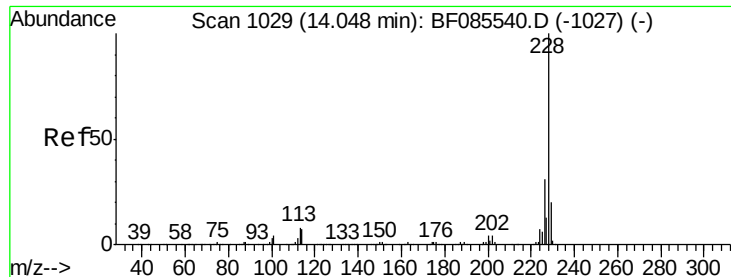
Tgt Ion: 244 Resp: 834692
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.1 9.1
 122 6.9 10.2 15.4#



#80
 Benzo(a)anthracene
 Concen: 7.09 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. -0.03 min
 Lab File: BF085685.D
 Acq: 23 Mar 2016 4:36

Tgt Ion: 228 Resp: 110324
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.1 33.1
 229 21.8 16.2 24.4





#82

Chrysene

Concen: 5.97 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.05 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

ClientSampled :

SP-5

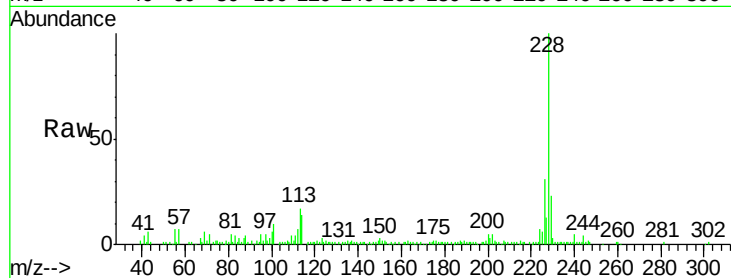
Tgt Ion:228 Resp: 89359

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

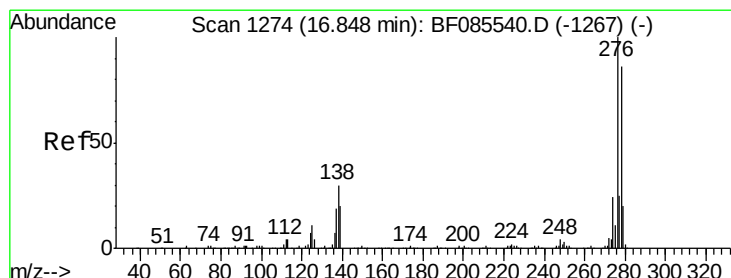
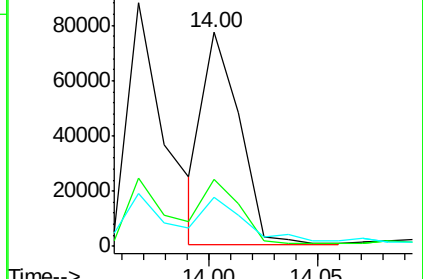
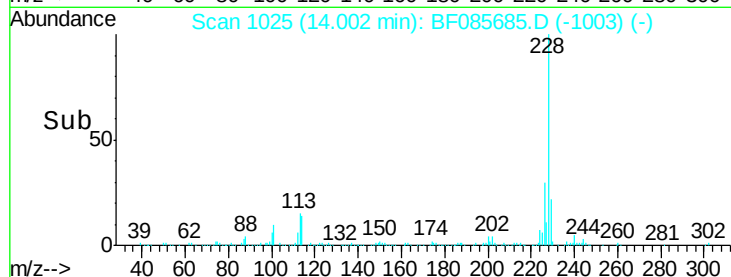
229 22.7 15.7 23.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.99 ng

RT: 16.78 min Scan# 1268

Delta R.T. -0.07 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

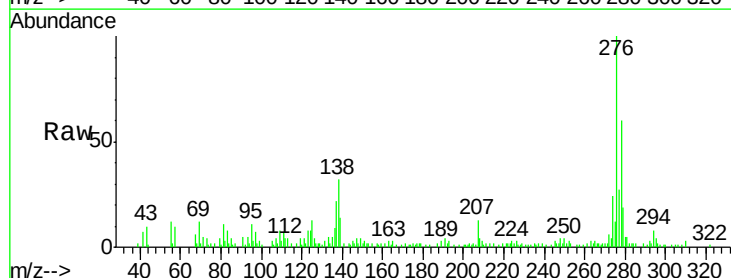
Tgt Ion:276 Resp: 49872

Ion Ratio Lower Upper

276 100

138 37.8 24.2 36.4#

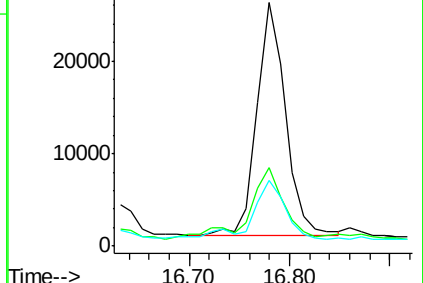
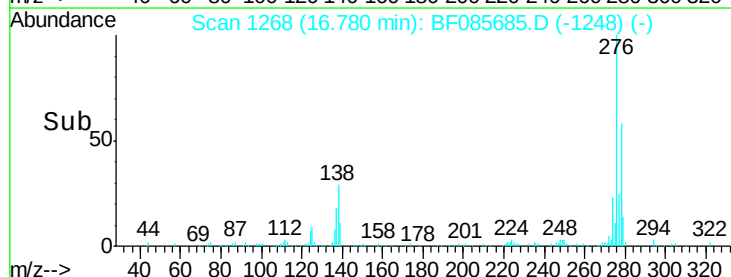
277 29.2 20.0 30.0

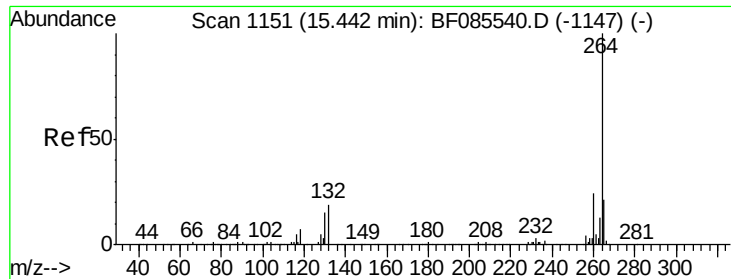


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1147

Delta R.T. -0.05 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

ClientSampleId :

SP-5

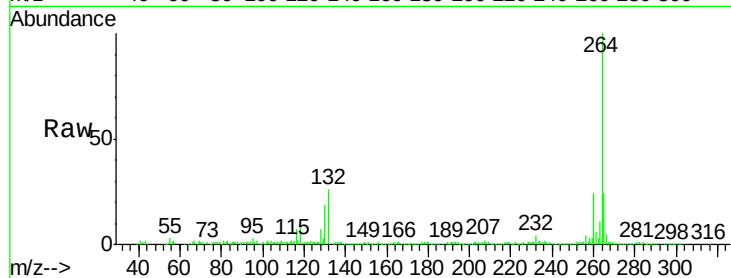
Tgt Ion:264 Resp: 242942

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

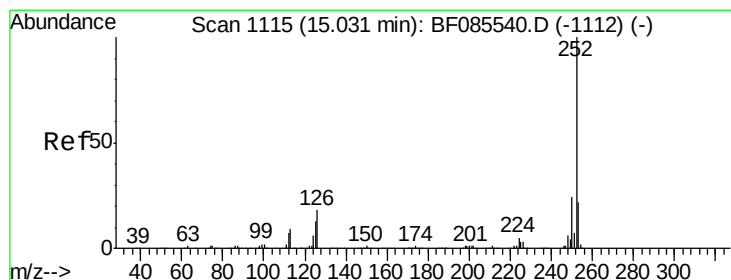
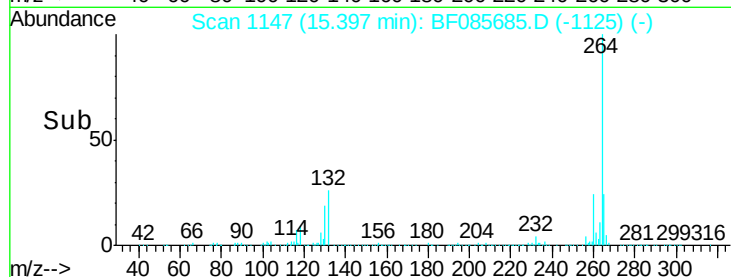
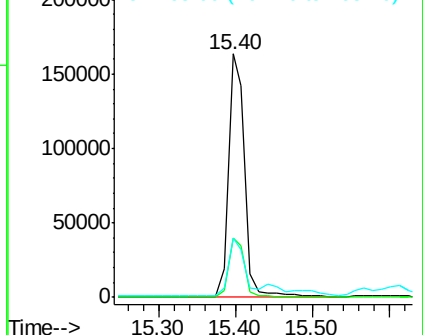
265 24.4 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 7.31 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.03 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

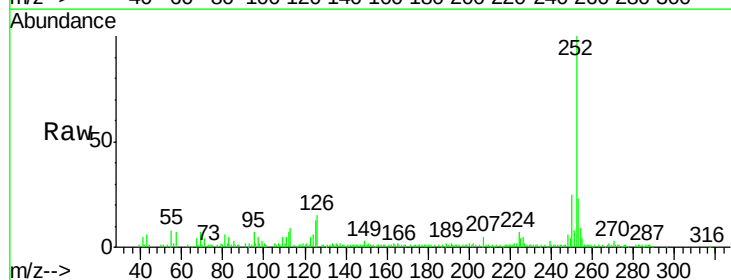
Tgt Ion:252 Resp: 115828

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

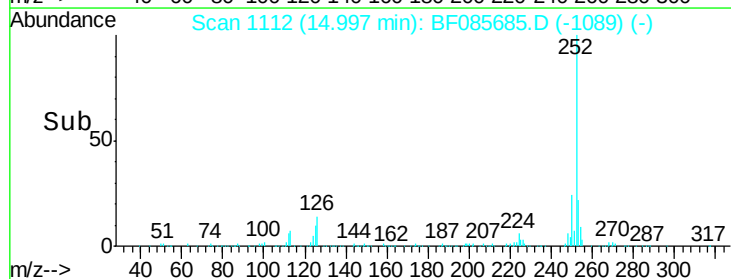
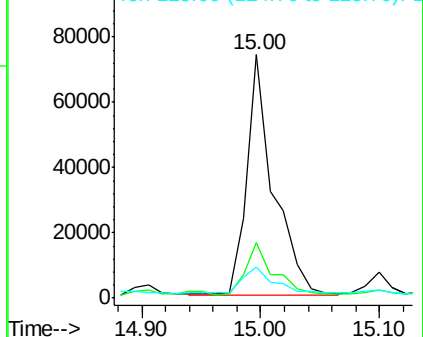
125 12.6 10.3 15.5

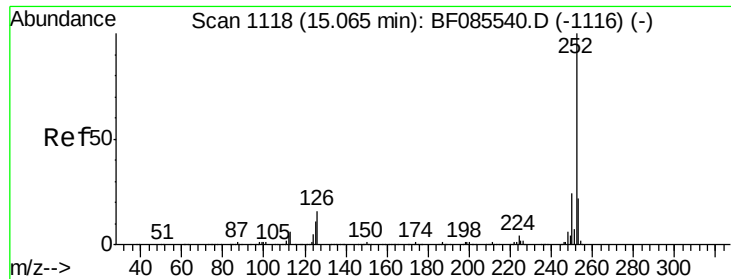


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

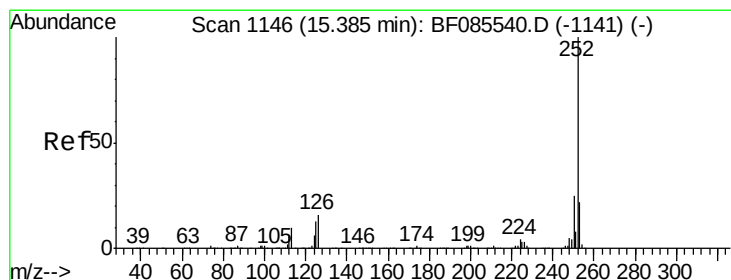
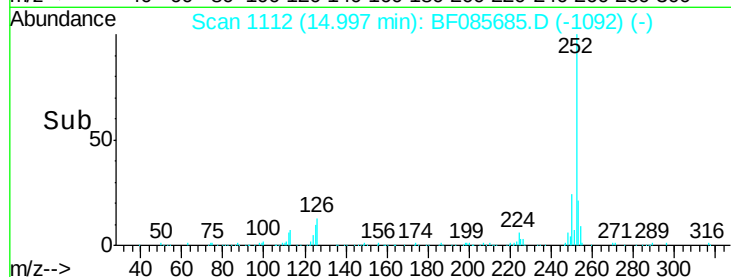
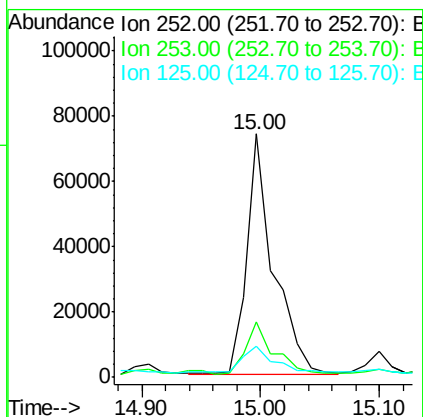
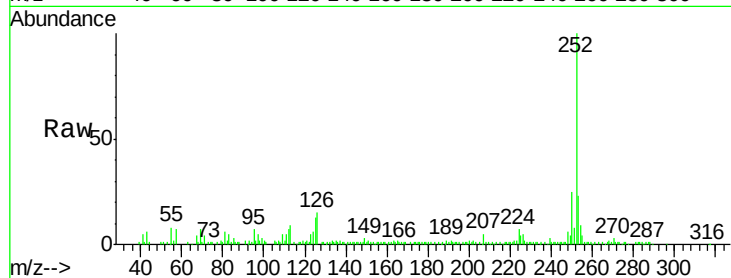




#88
Benzo(k)fluoranthene
Concen: 8.87 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.07 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

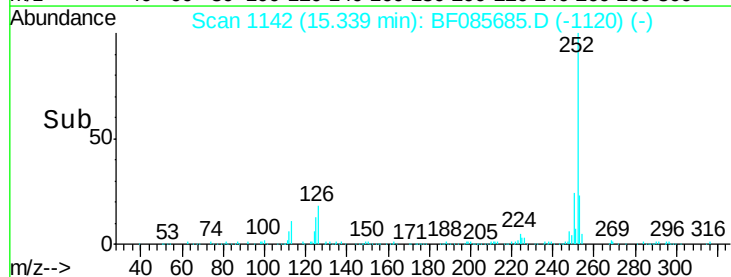
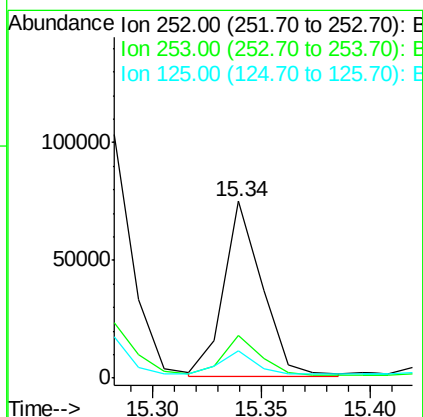
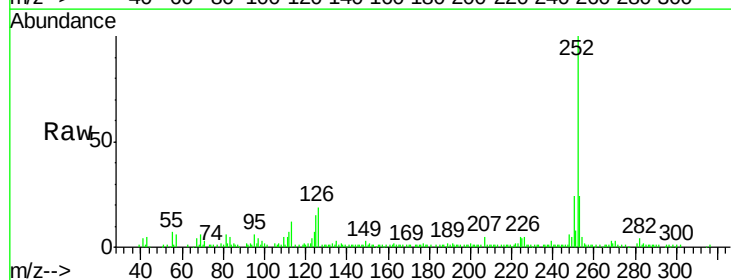
Instrument :
BNA_F
ClientSampleId :
SP-5

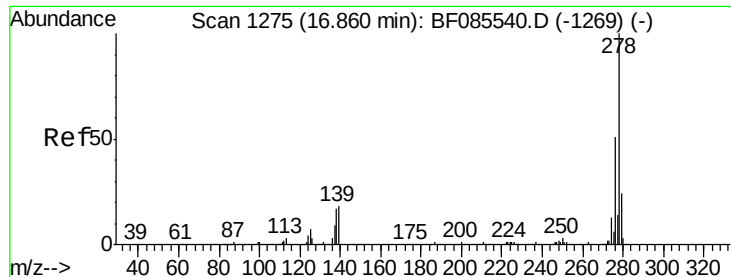
Tgt Ion: 252 Resp: 115828
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 12.6 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 6.76 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.05 min
Lab File: BF085685.D
Acq: 23 Mar 2016 4:36

Tgt Ion: 252 Resp: 90832
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 15.3 10.3 15.5





#90

Dibenzo(a,h)anthracene

Concen: 3.60 ng

RT: 16.79 min Scan# 1269

Delta R.T. -0.07 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

Instrument :

BNA_F

ClientSampleId :

SP-5

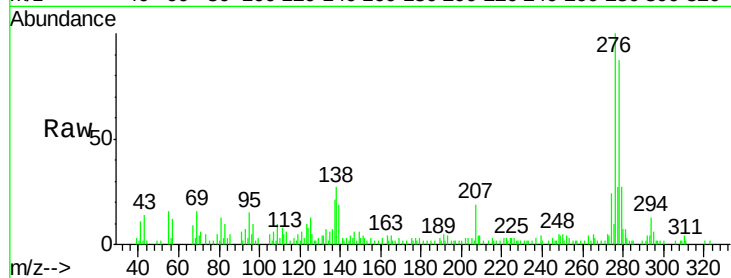
Tgt Ion: 278 Resp: 40306

Ion Ratio Lower Upper

278 100

139 22.1 14.4 21.6#

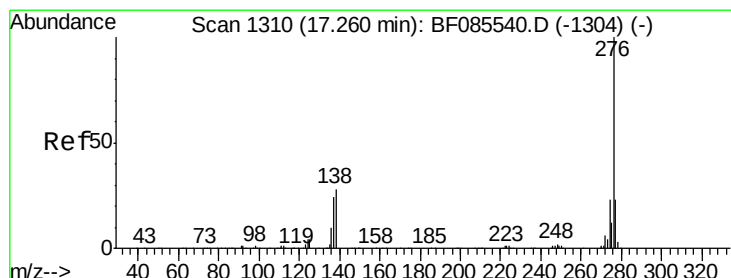
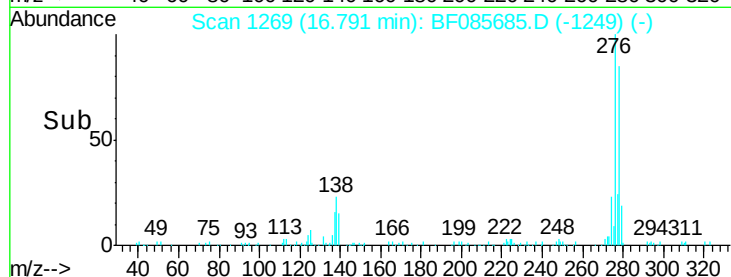
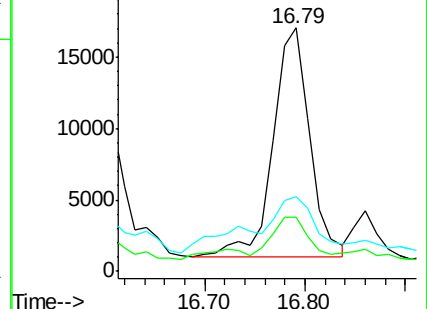
279 30.8 19.1 28.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.52 ng

RT: 17.19 min Scan# 1304

Delta R.T. -0.07 min

Lab File: BF085685.D

Acq: 23 Mar 2016 4:36

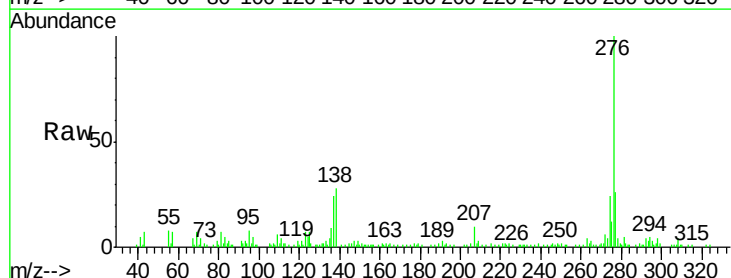
Tgt Ion: 276 Resp: 81588

Ion Ratio Lower Upper

276 100

277 25.9 18.8 28.2

138 28.1 22.6 34.0



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

