

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF085001.D
 Acq On : 10 Feb 2016 19:04
 Operator : SJ/IZ
 Sample : H1386-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B001(1-3)

Quant Time: Feb 11 00:22:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	152712	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	607303	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	254197	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	436292	20.00	ng	0.00
75) Chrysene-d12	13.77	240	317964	20.00	ng	0.00
86) Perylene-d12	15.13	264	271401	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	1317109	134.34	ng	0.02
7) Phenol-d6	6.28	99	1467275	120.72	ng	0.00
23) Nitrobenzene-d5	7.20	82	1036561	96.15	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	324892	122.53	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	1385391	95.91	ng	0.00
78) Terphenyl-d14	12.73	244	1021228	72.78	ng	0.00

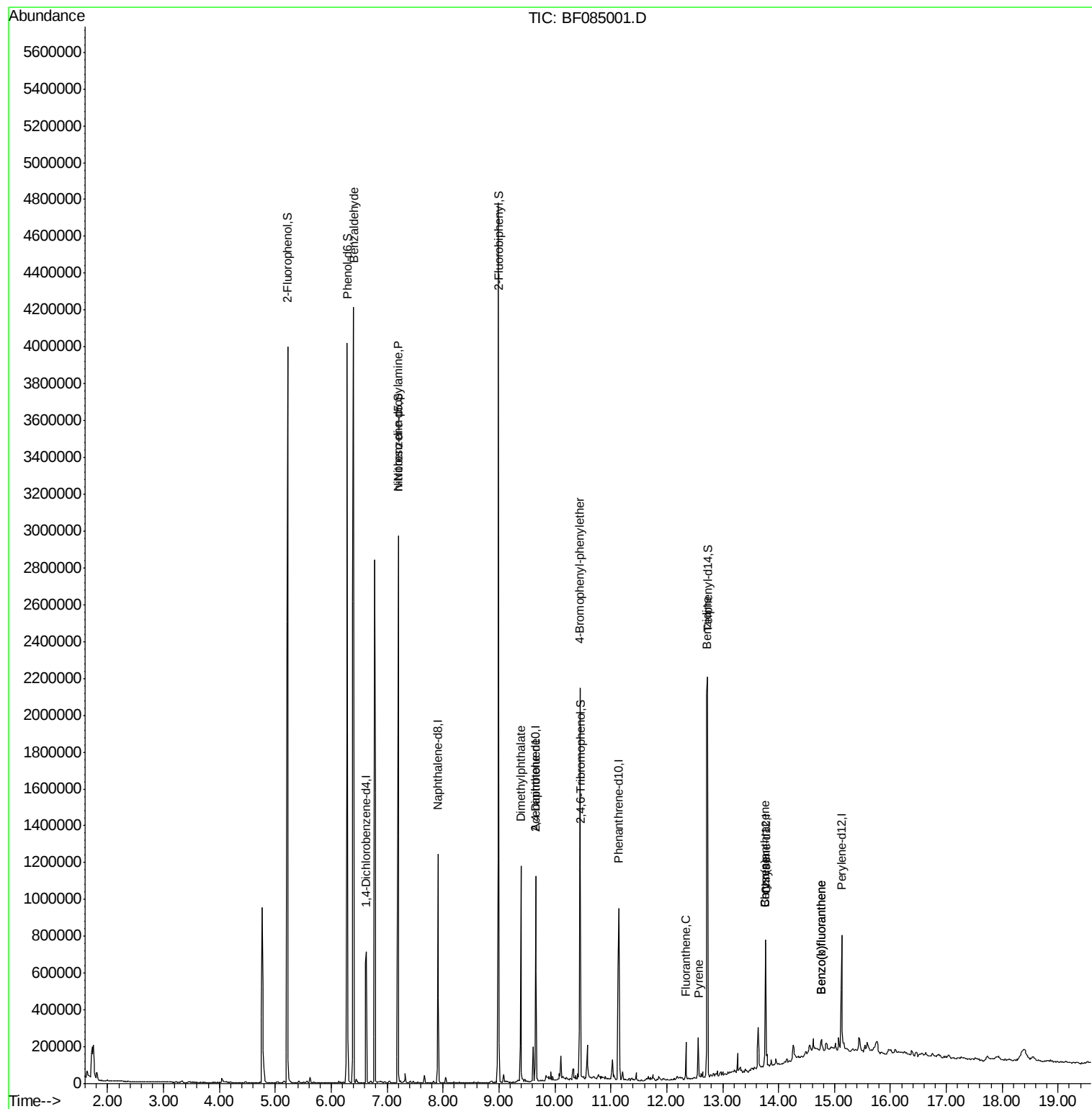
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	32706	4.56	ng	83
19) n-Nitroso-di-n-propylamine	7.20	70	145069	19.04	ng	# 73
49) Dimethylphthalate	9.39	163	428100	22.11	ng	# 91
56) 2,4-Dinitrotoluene	9.66	165	32348	6.00	ng	# 21
66) 4-Bromophenyl-phenylether	10.44	248	19260	4.00	ng	# 1
74) Fluoranthene	12.34	202	76259	3.11	ng	96
76) Benzydine	12.72	184	13985	7.72	ng	96
77) Pyrene	12.57	202	62068	2.55	ng	99
80) Benzo(a)anthracene	13.76	228	41994	2.13	ng	94
82) Chrysene	13.76	228	41994	2.19	ng	97
87) Benzo(b)fluoranthene	14.77	252	45558	2.50	ng	# 93
88) Benzo(k)fluoranthene	14.77	252	45558	3.02	ng	# 93

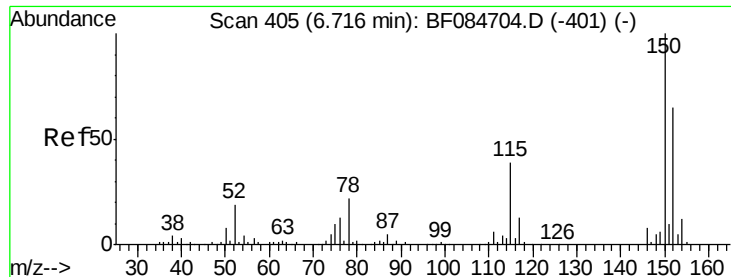
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF085001.D

Acq: 10 Feb 2016 19:04

Instrument :

BNA_F

ClientSampleId :

S4-B001(1-3)

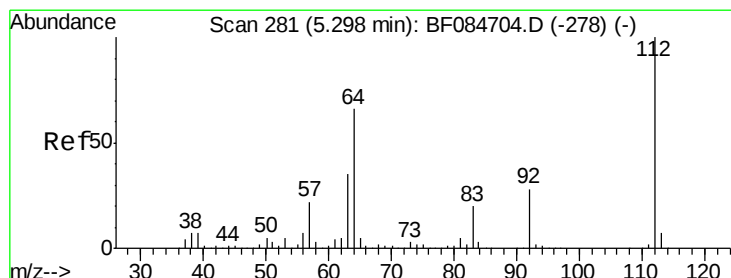
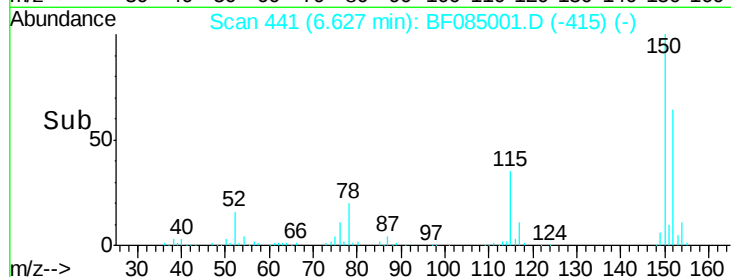
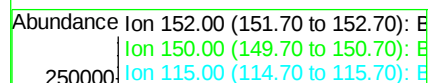
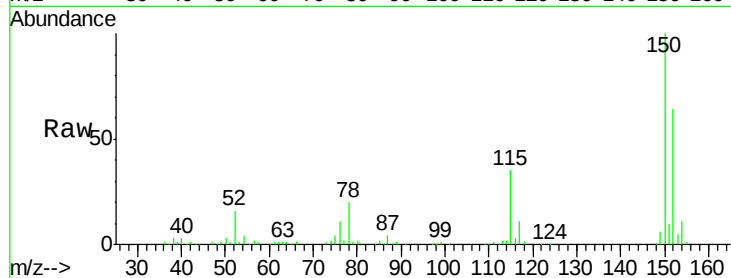
Tgt Ion:152 Resp: 152712

Ion Ratio Lower Upper

152 100

150 155.2 123.0 184.4

115 55.0 51.4 77.2



#5

2-Fluorophenol

Concen: 134.34 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.02 min

Lab File: BF085001.D

Acq: 10 Feb 2016 19:04

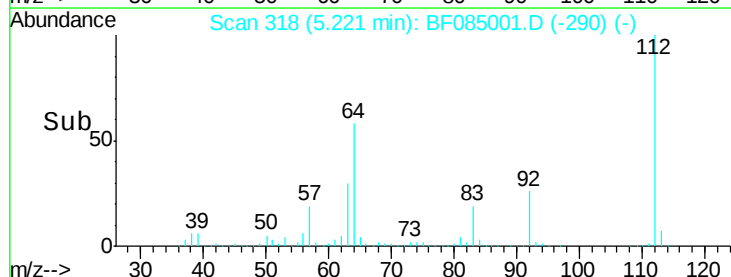
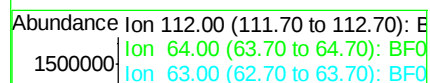
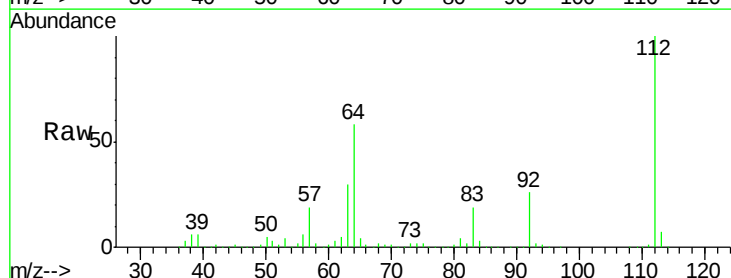
Tgt Ion:112 Resp: 1317109

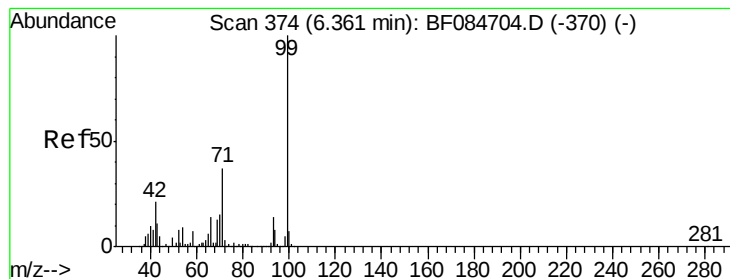
Ion Ratio Lower Upper

112 100

64 58.0 36.6 55.0#

63 30.4 19.4 29.0#





#7

Phenol-d6

Concen: 120.72 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF085001.D

Acq: 10 Feb 2016 19:04

Instrument :

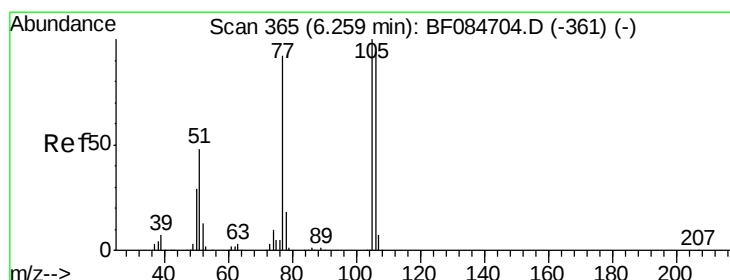
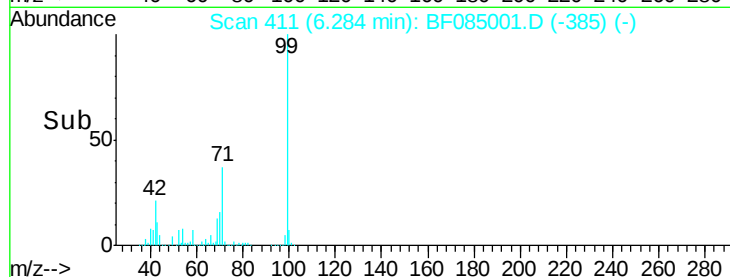
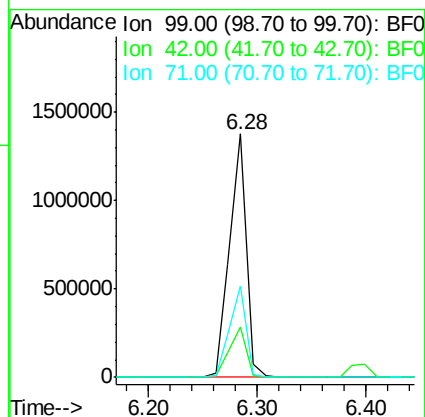
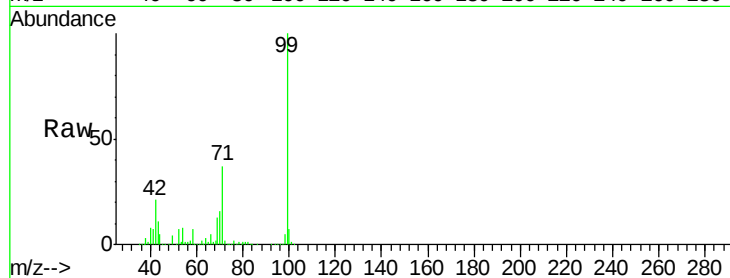
BNA_F

ClientSampleId :

S4-B001(1-3)

Tgt Ion: 99 Resp: 1467275

Ion	Ratio	Lower	Upper
99	100		
42	20.5	12.8	19.2#
71	37.3	30.9	46.3



#9

Benzaldehyde

Concen: 4.56 ng

RT: 6.40 min Scan# 421

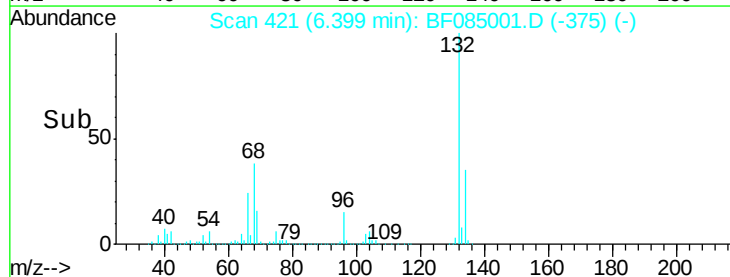
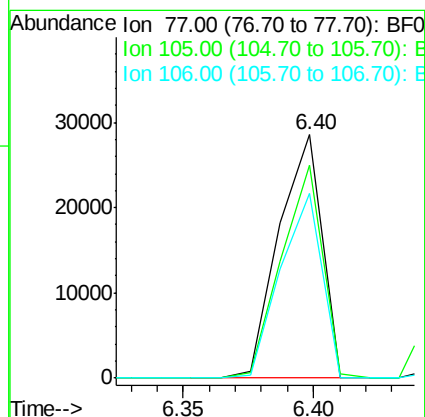
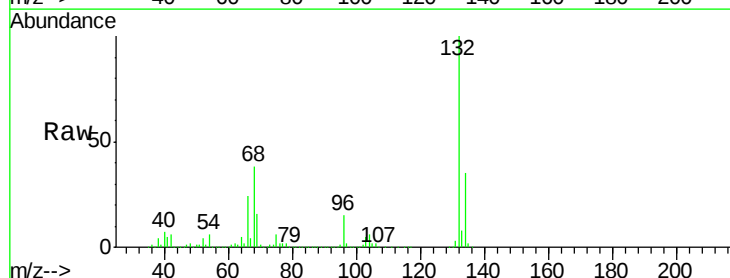
Delta R.T. 0.23 min

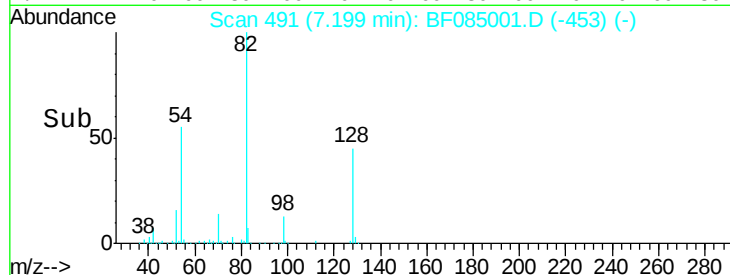
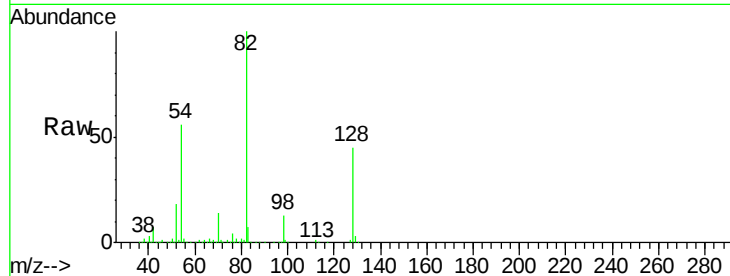
Lab File: BF085001.D

Acq: 10 Feb 2016 19:04

Tgt Ion: 77 Resp: 32706

Ion	Ratio	Lower	Upper
77	100		
105	87.6	83.0	123.0
106	75.8	74.6	114.6

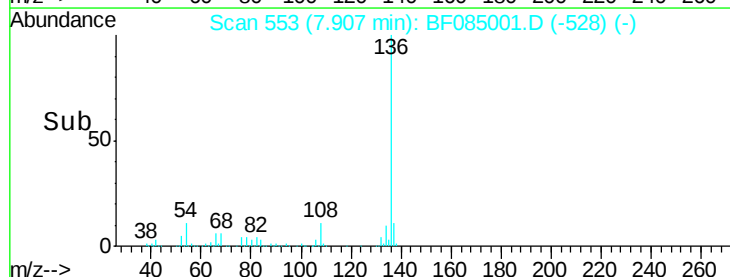
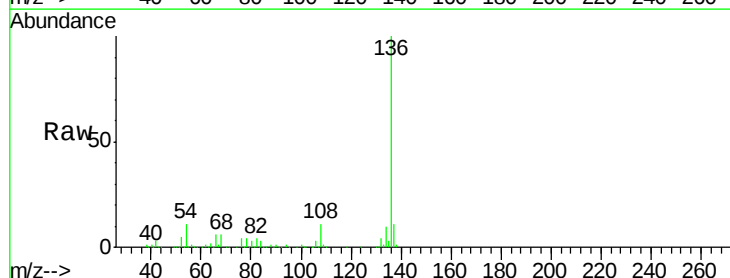
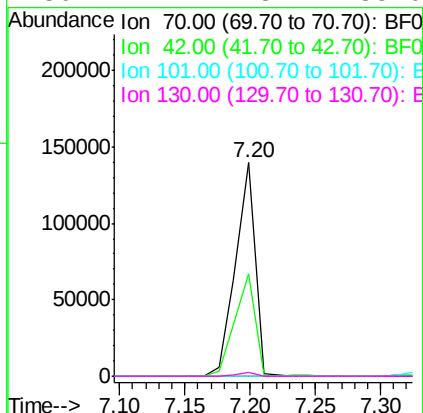




#19
n-Nitroso-di-n-propylamine
Concen: 19.04 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.14 min
Lab File: BF085001.D
Acq: 10 Feb 2016 19:04

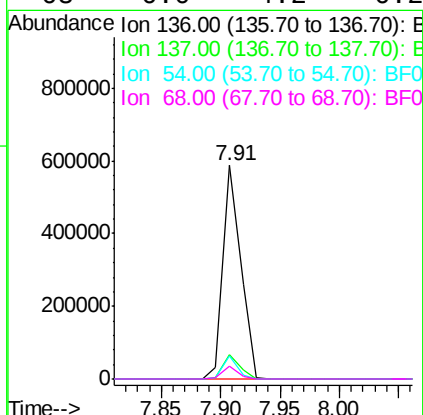
Instrument :
BNA_F
ClientSampleId :
S4-B001(1-3)

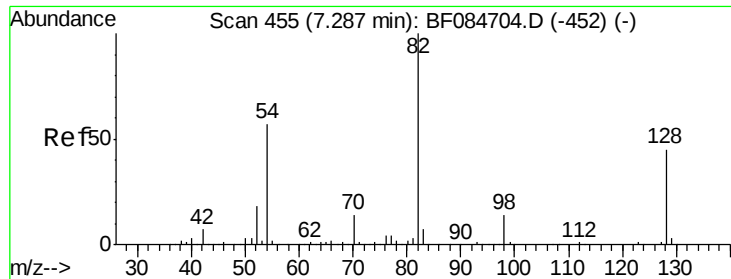
Tgt Ion: 70 Resp: 145069
Ion Ratio Lower Upper
70 100
42 47.8 33.3 49.9
101 0.0 9.3 13.9#
130 2.1 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF085001.D
Acq: 10 Feb 2016 19:04

Tgt Ion: 136 Resp: 607303
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 10.5 5.8 8.8#
68 6.0 4.2 6.2

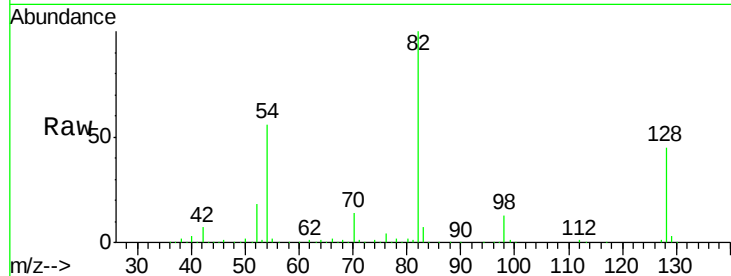




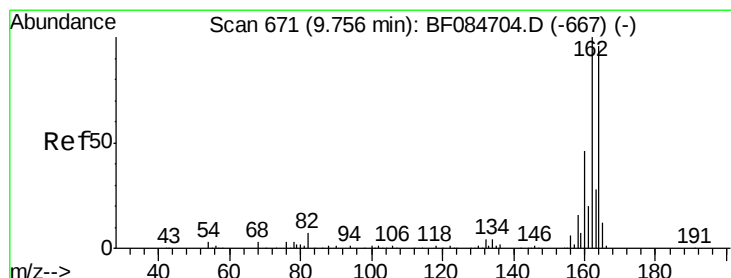
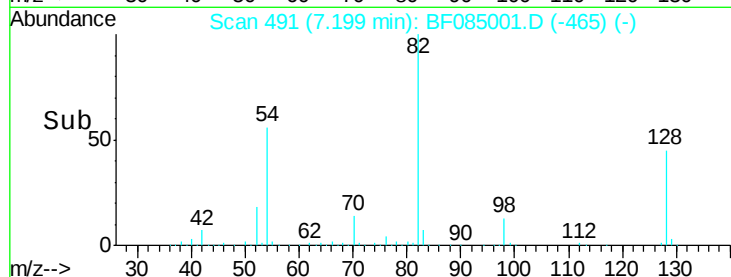
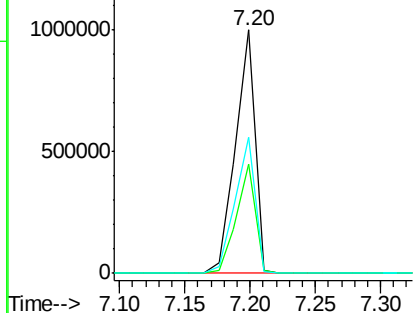
#23
 Nitrobenzene-d5
 Concen: 96.15 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.00 min
 Lab File: BF085001.D
 Acq: 10 Feb 2016 19:04

Instrument :
 BNA_F
 ClientSampleId :
 S4-B001(1-3)

Tgt Ion: 82 Resp: 1036561
 Ion Ratio Lower Upper
 82 100
 128 44.6 34.6 51.8
 54 55.8 38.4 57.6

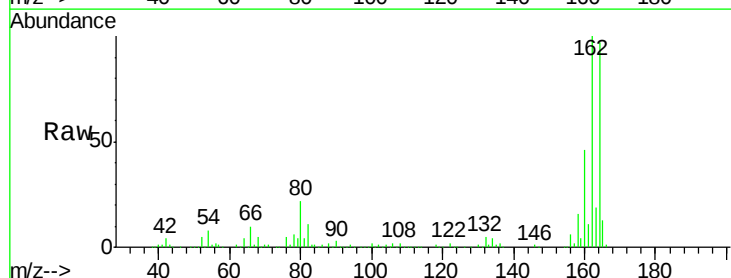


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

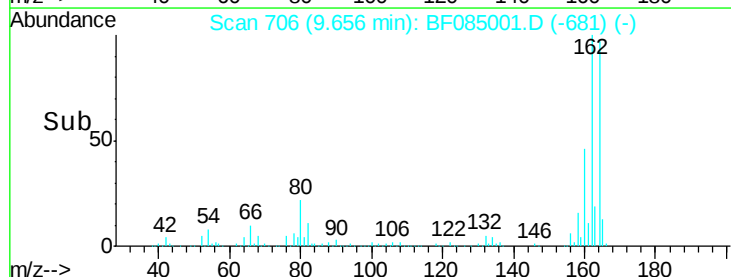
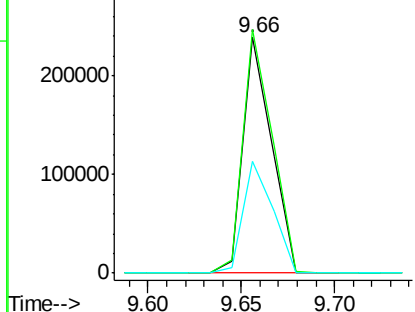


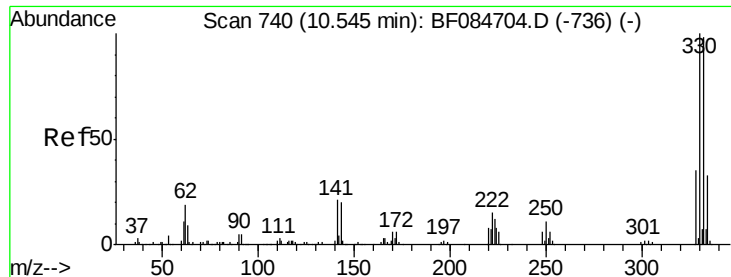
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF085001.D
 Acq: 10 Feb 2016 19:04

Tgt Ion: 164 Resp: 254197
 Ion Ratio Lower Upper
 164 100
 162 103.2 85.1 127.7
 160 47.6 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

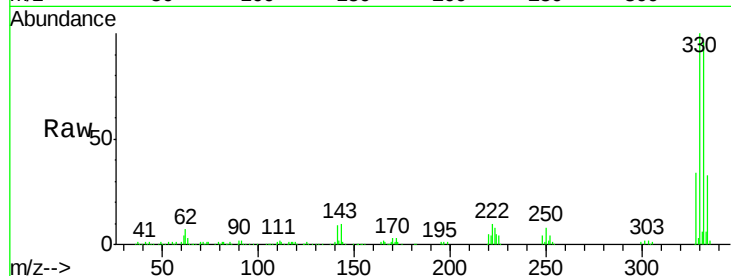




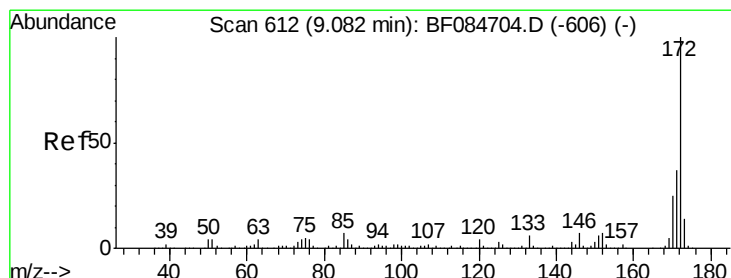
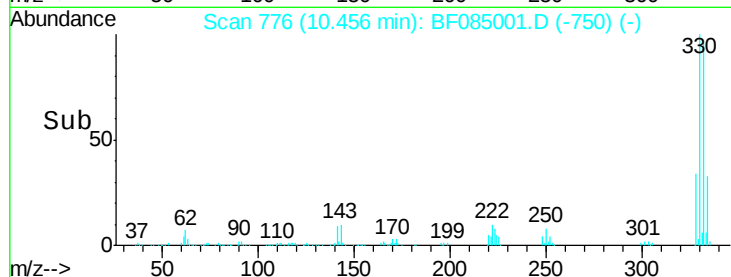
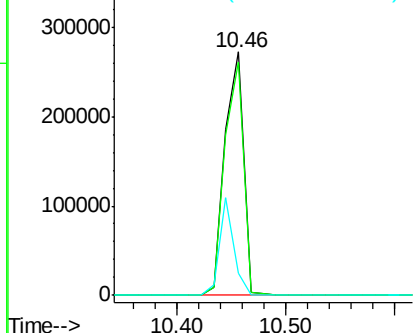
#41
 2,4,6-Tribromophenol
 Concen: 122.53 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: BF085001.D
 Acq: 10 Feb 2016 19:04

Instrument :
 BNA_F
 ClientSampleId :
 S4-B001(1-3)

Tgt Ion:330 Resp: 324892
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 114.8
 141 32.0 27.8 41.6

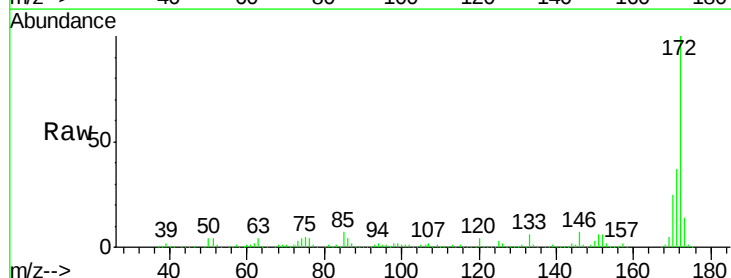


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

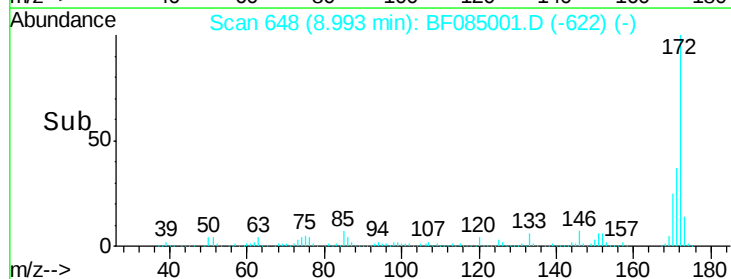
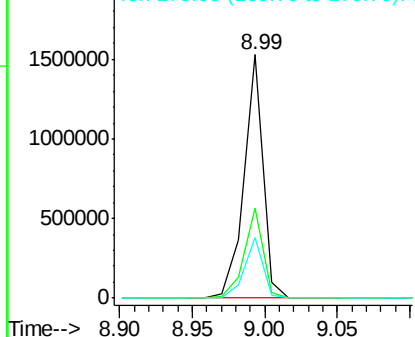


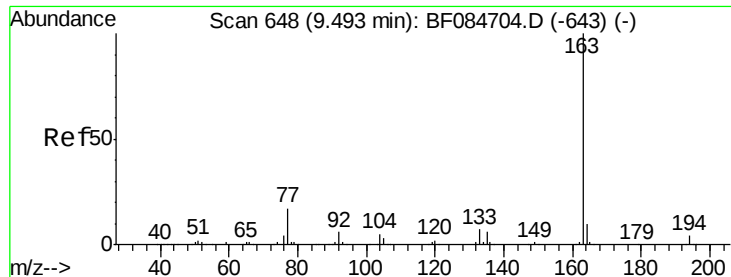
#44
 2-Fluorobiphenyl
 Concen: 95.91 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: BF085001.D
 Acq: 10 Feb 2016 19:04

Tgt Ion:172 Resp: 1385391
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.9 43.3
 170 25.0 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

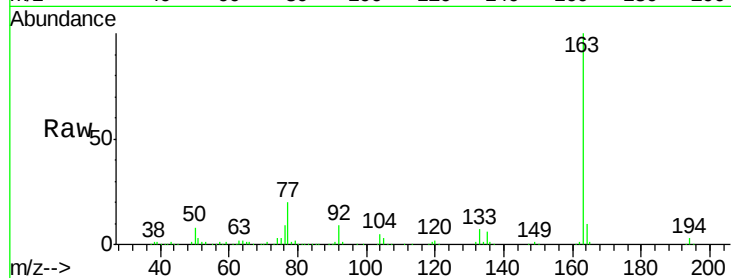




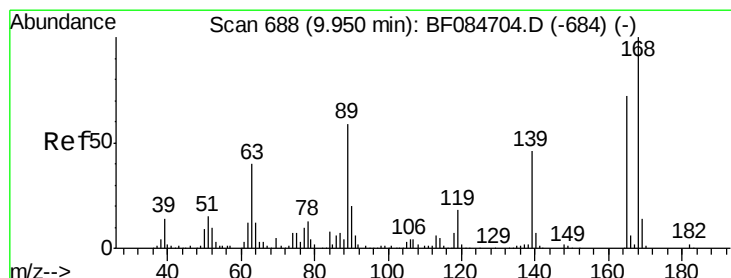
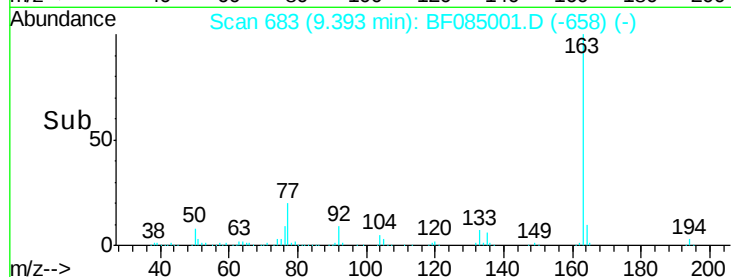
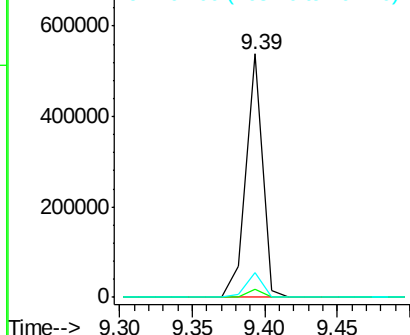
#49
Dimethylphthalate
Concen: 22.11 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF085001.D
Acq: 10 Feb 2016 19:04

Instrument :
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ClientSampleId :
S4-B001(1-3)

Tgt Ion:163 Resp: 428100
Ion Ratio Lower Upper
163 100
194 3.2 8.0 12.0#
164 10.2 8.0 12.0

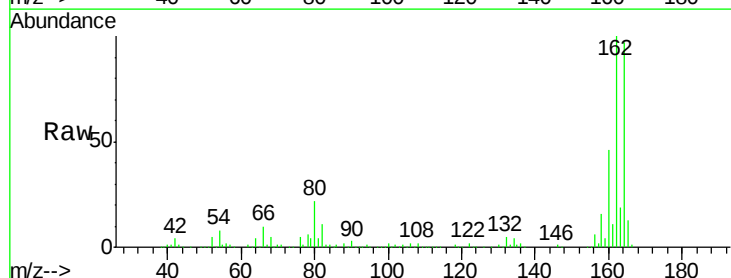


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

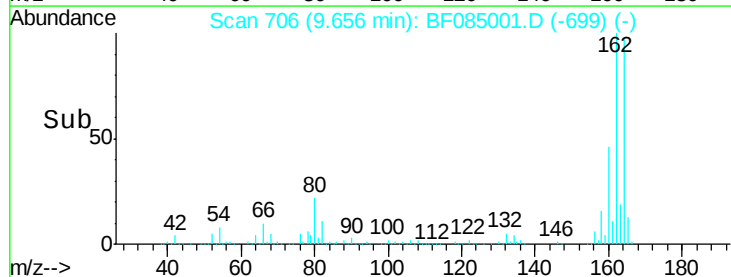
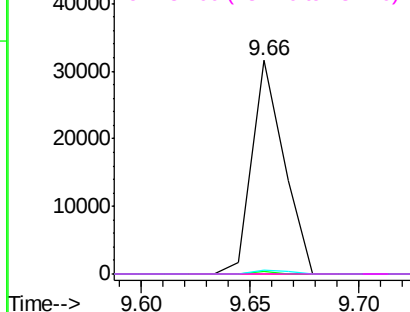


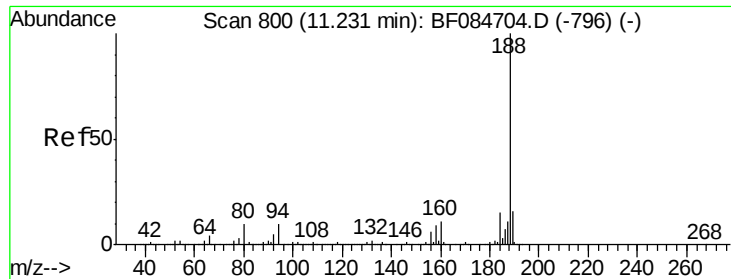
#56
2,4-Dinitrotoluene
Concen: 6.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.22 min
Lab File: BF085001.D
Acq: 10 Feb 2016 19:04

Tgt Ion:165 Resp: 32348
Ion Ratio Lower Upper
165 100
63 1.1 36.7 55.1#
89 1.7 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

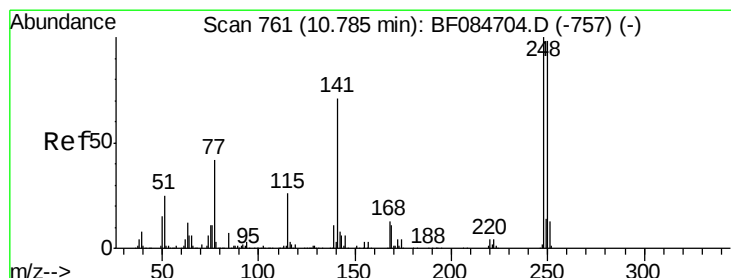
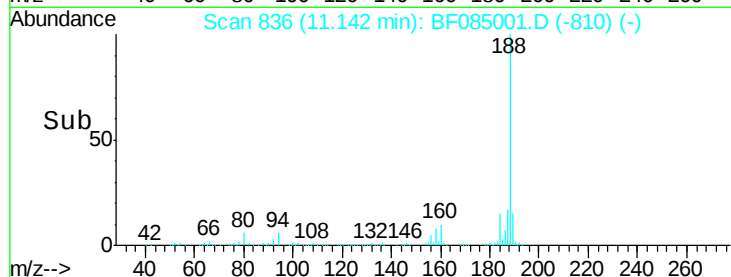
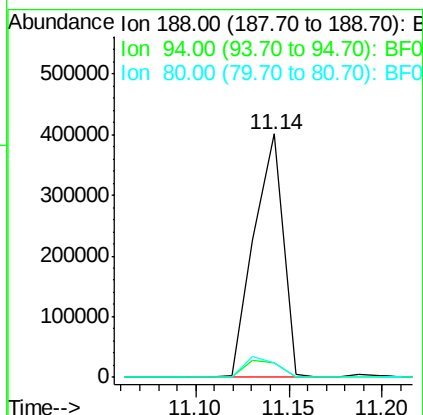
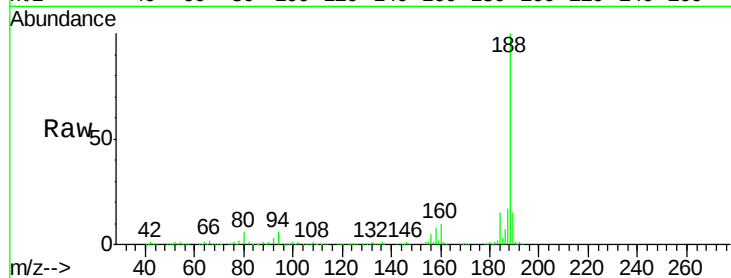




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF085001.D
Acq: 10 Feb 2016 19:04

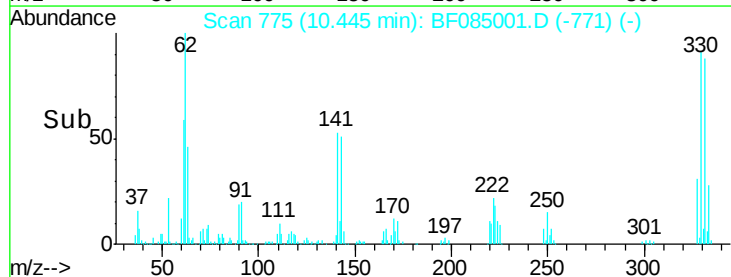
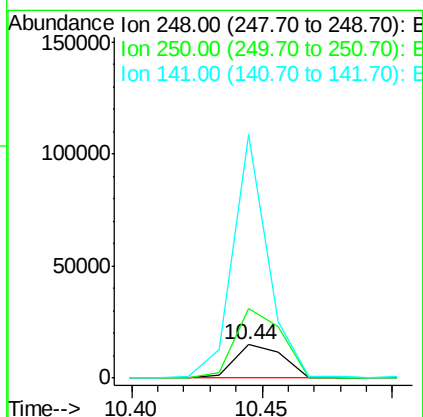
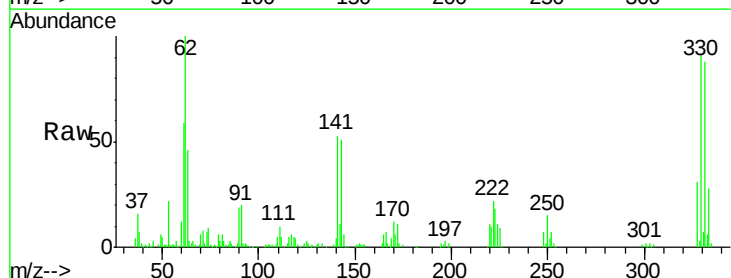
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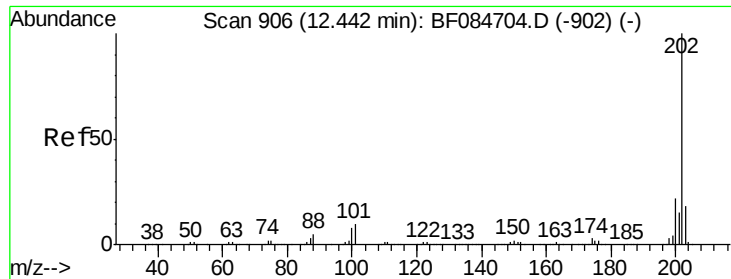
Tgt Ion:188 Resp: 436292
Ion Ratio Lower Upper
188 100
94 6.0 9.0 13.4#
80 6.1 9.6 14.4#



#66
4-Bromophenyl-phenylether
Concen: 4.00 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.25 min
Lab File: BF085001.D
Acq: 10 Feb 2016 19:04

Tgt Ion:248 Resp: 19260
Ion Ratio Lower Upper
248 100
250 207.7 78.4 117.6#
141 723.6 44.0 66.0#

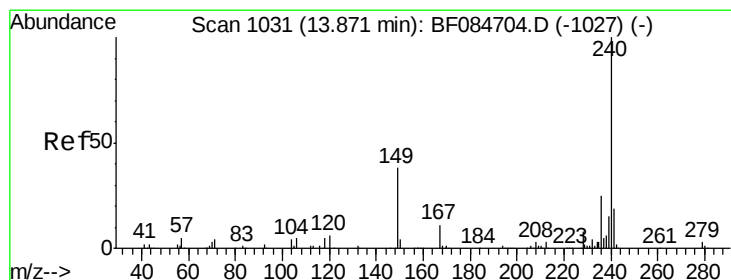
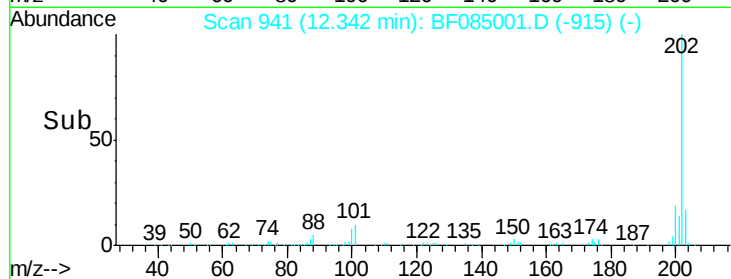
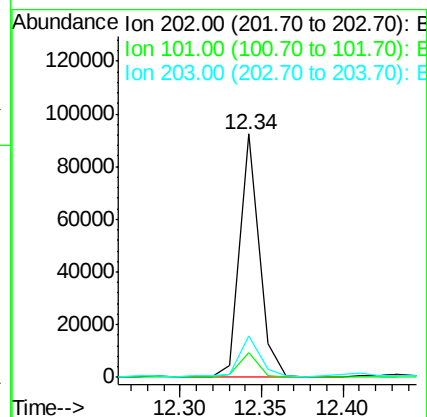
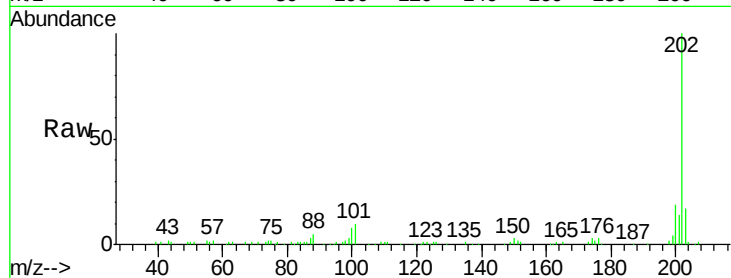




#74
 Fluoranthene
 Concen: 3.11 ng
 RT: 12.34 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: BF085001.D
 Acq: 10 Feb 2016 19:04

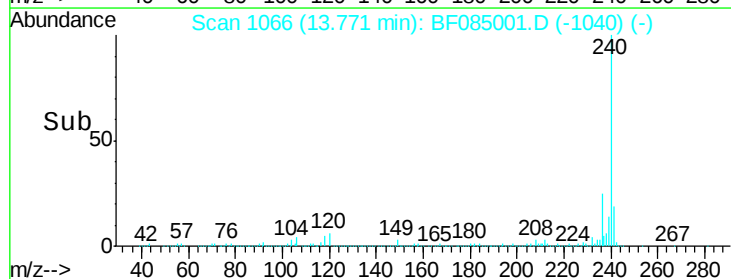
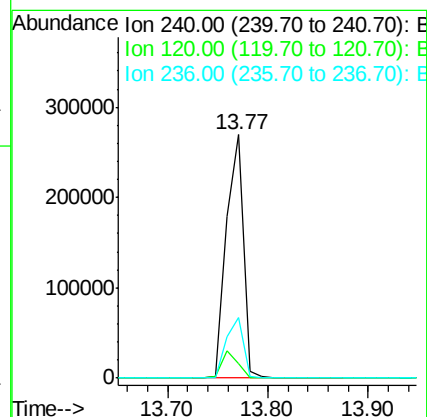
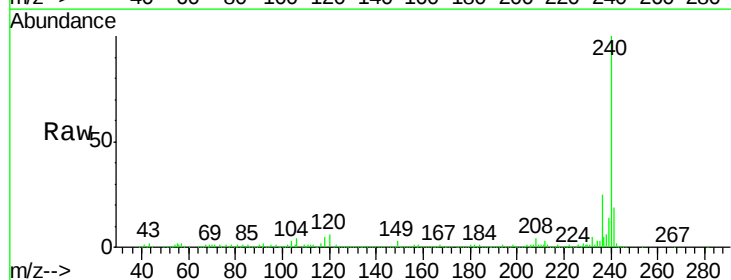
Instrument :
 BNA_F
 ClientSampleId :
 S4-B001(1-3)

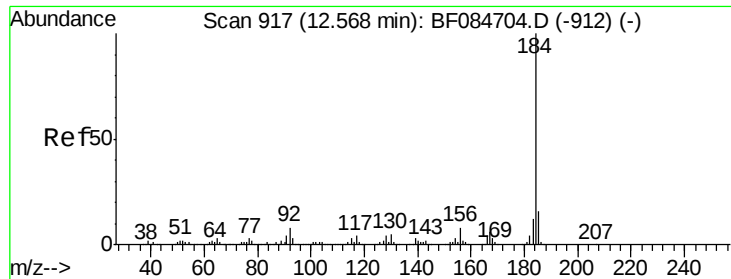
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	32.8
203	16.7	0.0	37.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: BF085001.D
 Acq: 10 Feb 2016 19:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.0	9.5	14.3#
236	25.0	20.6	31.0





#76

Benzidine

Concen: 7.72 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.24 min

Lab File: BF085001.D

Acq: 10 Feb 2016 19:04

Instrument :

BNA_F

ClientSampleId :

S4-B001(1-3)

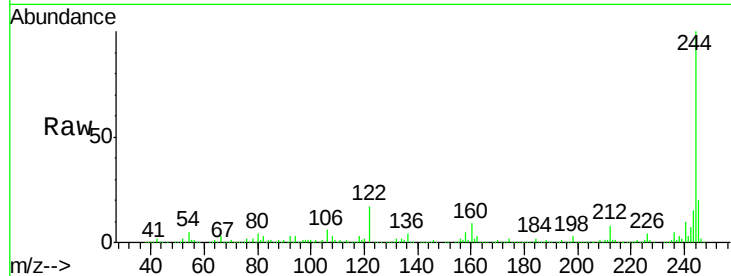
Tgt Ion:184 Resp: 13985

Ion Ratio Lower Upper

184 100

185 17.7 12.2 18.2

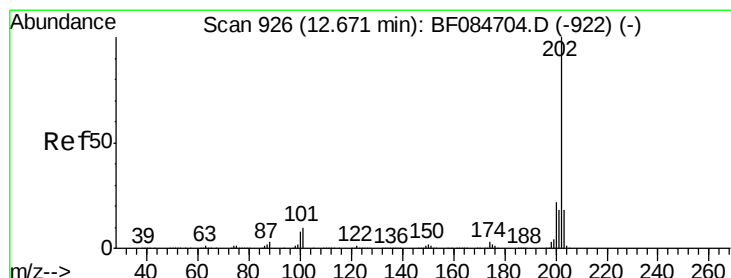
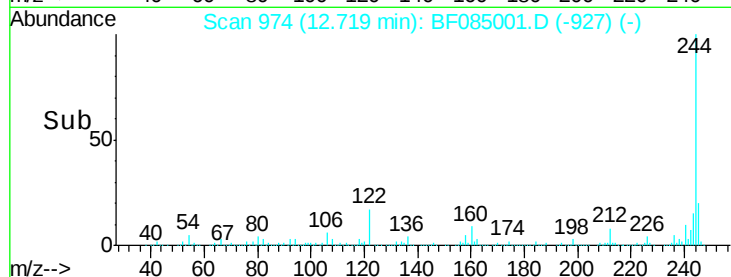
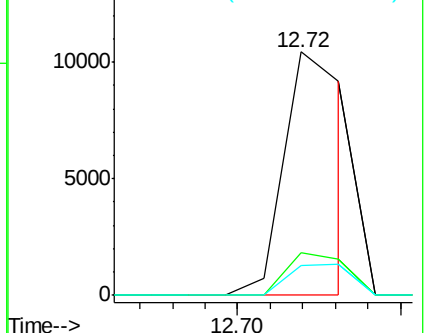
183 12.0 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 2.55 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF085001.D

Acq: 10 Feb 2016 19:04

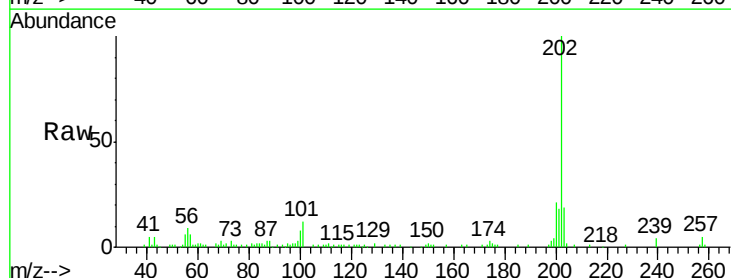
Tgt Ion:202 Resp: 62068

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

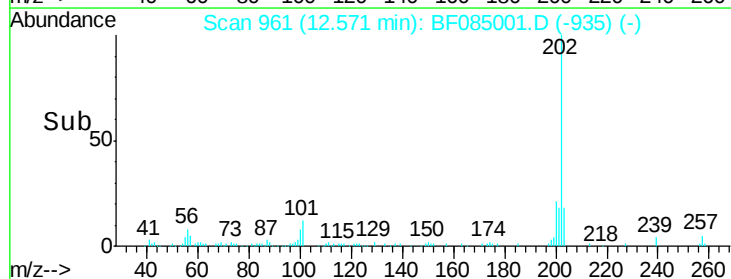
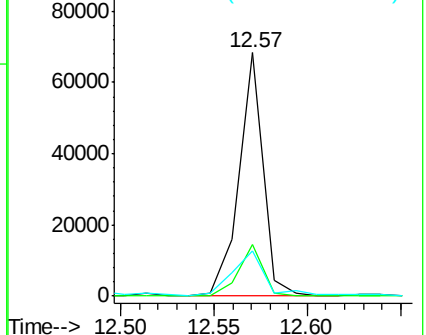
203 18.7 14.3 21.5

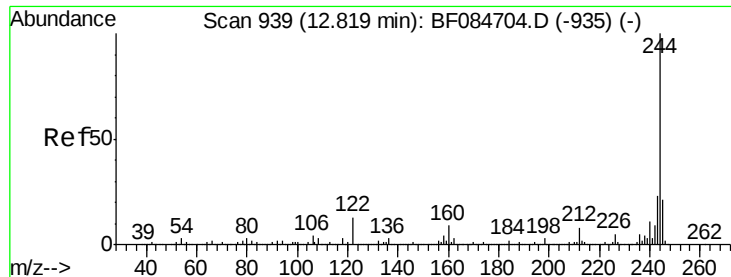


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.78 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF085001.D

Acq: 10 Feb 2016 19:04

Instrument :

BNA_F

ClientSampled :

S4-B001(1-3)

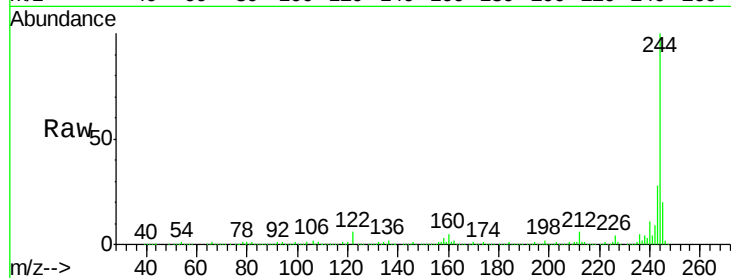
Tgt Ion:244 Resp: 1021228

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

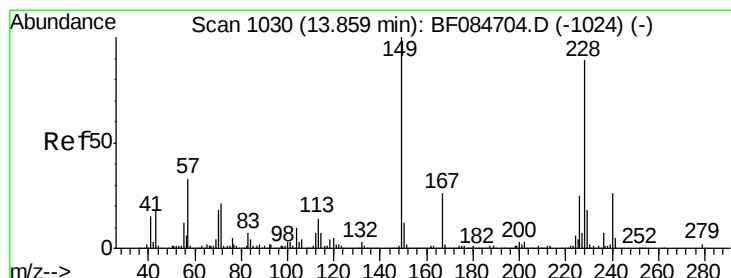
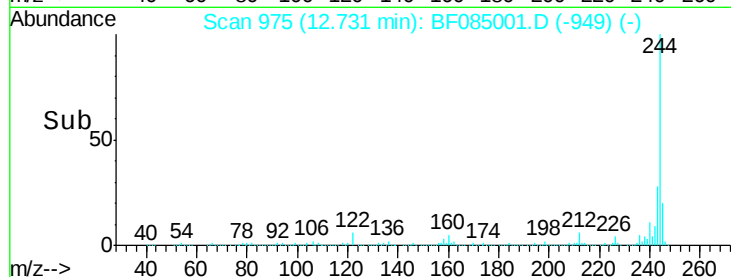
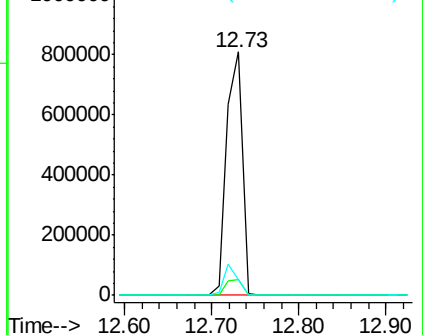
122 6.3 7.4 11.0#



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



#80

Benzo(a)anthracene

Concen: 2.13 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF085001.D

Acq: 10 Feb 2016 19:04

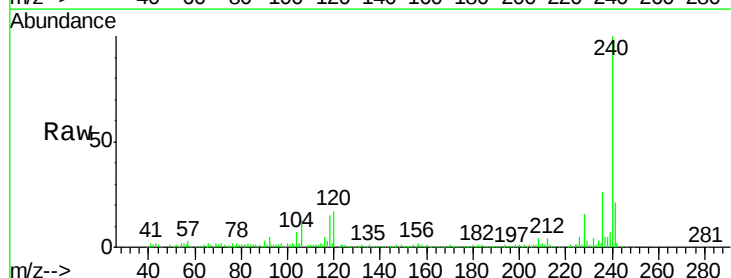
Tgt Ion:228 Resp: 41994

Ion Ratio Lower Upper

228 100

226 32.2 21.8 32.6

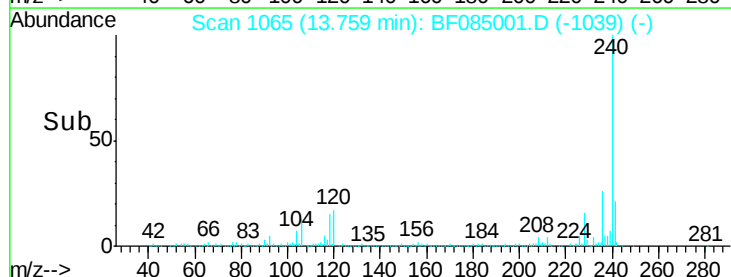
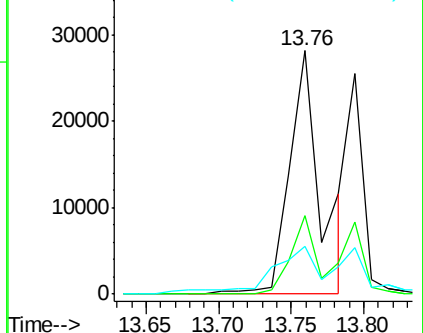
229 19.4 15.8 23.8

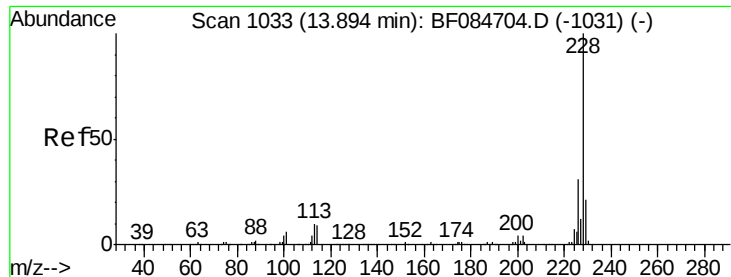


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.19 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BF085001.D

Acq: 10 Feb 2016 19:04

Instrument :

BNA_F

ClientSampleId :

S4-B001(1-3)

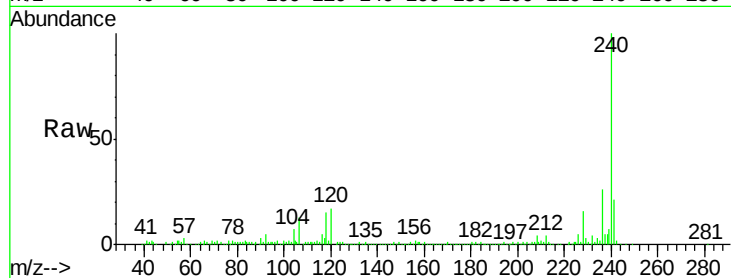
Tgt Ion:228 Resp: 41994

Ion Ratio Lower Upper

228 100

226 32.2 24.3 36.5

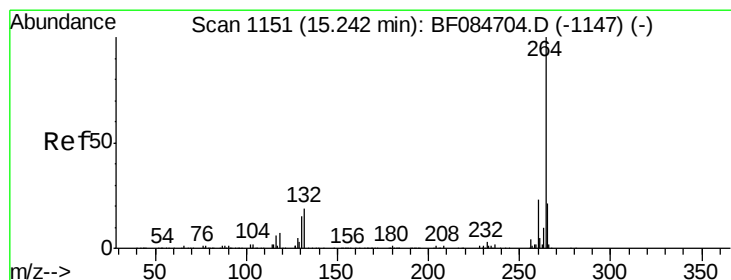
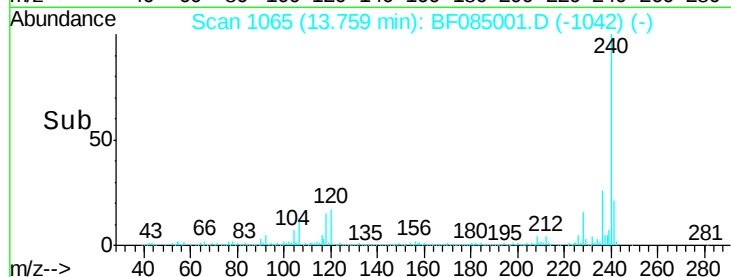
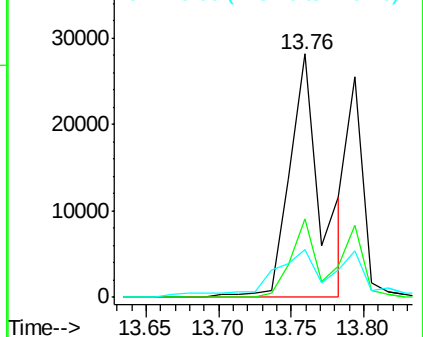
229 19.4 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BF085001.D

Acq: 10 Feb 2016 19:04

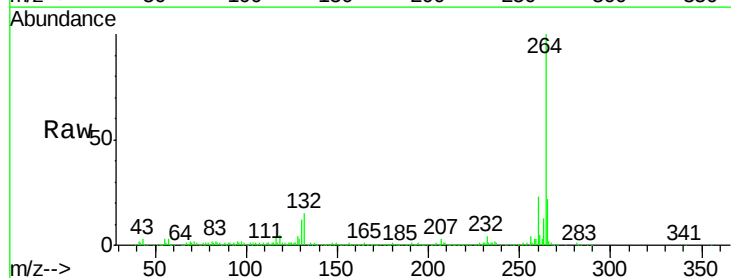
Tgt Ion:264 Resp: 271401

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.2

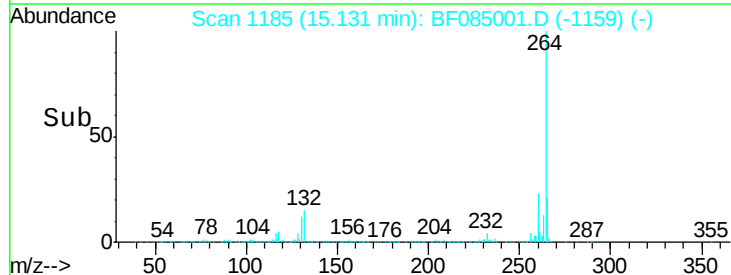
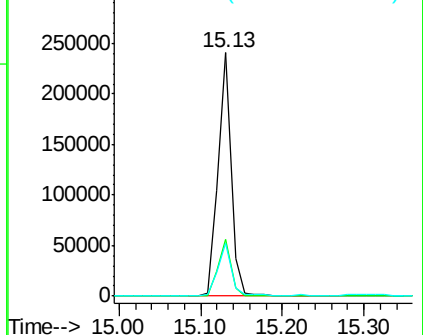
265 21.6 17.8 26.6

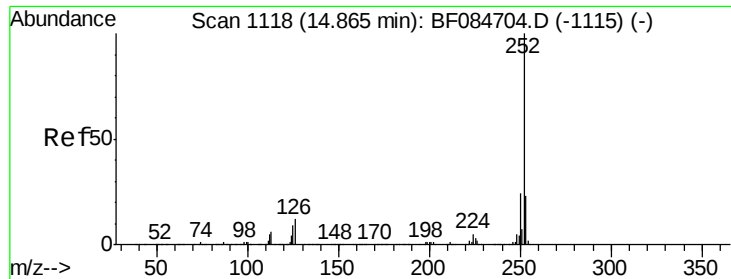


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

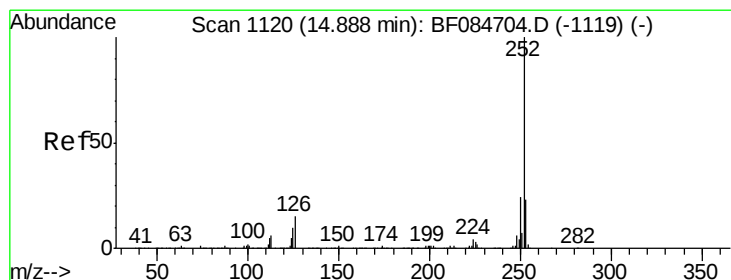
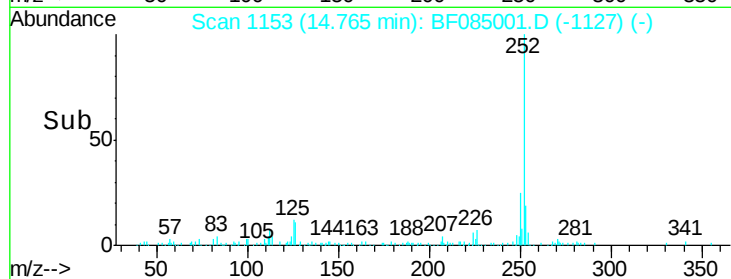
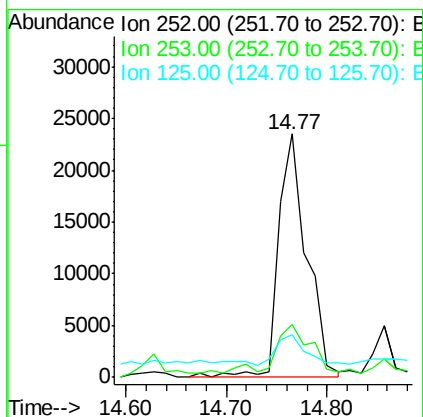
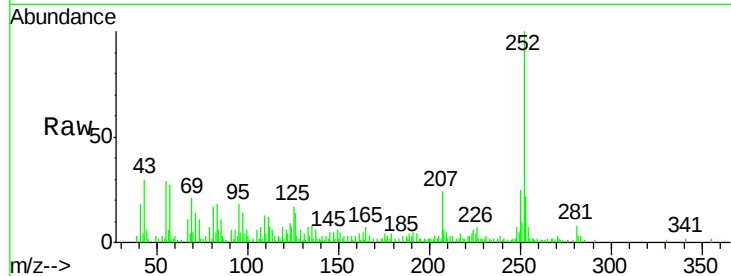




#87
Benzo(b)fluoranthene
Concen: 2.50 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF085001.D
Acq: 10 Feb 2016 19:04

Instrument :
BNA_F
ClientSampleId :
S4-B001(1-3)

Tgt Ion:252 Resp: 45558
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 17.4 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 3.02 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BF085001.D
Acq: 10 Feb 2016 19:04

Tgt Ion:252 Resp: 45558
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 17.4 9.0 13.6#

