

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085864.D
 Acq On : 29 Mar 2016 22:25
 Operator : UM/SJ
 Sample : H1970-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Mar 29 23:54:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115289	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	452683	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	186669	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	295342	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	223108	20.00	ng	-0.01
86) Perylene-d12	15.39	264	220903	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	943520	136.30	ng	0.00
7) Phenol-d6	6.45	99	1069278	121.49	ng	-0.01
23) Nitrobenzene-d5	7.37	82	665412	82.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	198244	111.78	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	834219	74.67	ng	-0.02
78) Terphenyl-d14	12.92	244	529022	48.76	ng	-0.01

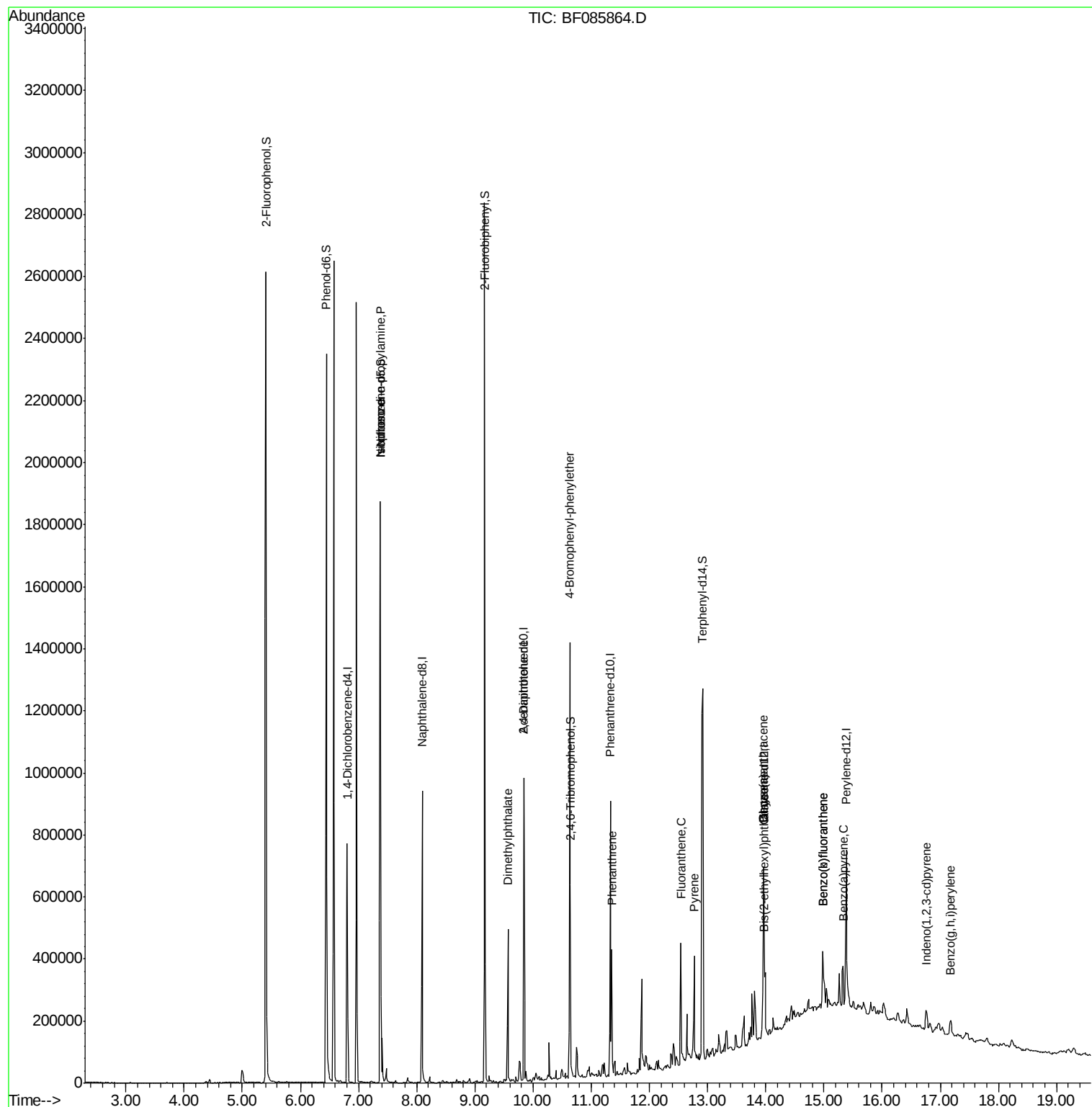
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	91088	17.28	ng	# 79
25) Isophorone	7.37	82	533002	34.42	ng	# 68
37) 2-Methylnaphthalene	8.80	142	3143	Below	Cal	91
49) Dimethylphthalate	9.57	163	218394	15.42	ng	98
56) 2,4-Dinitrotoluene	9.84	165	23904	6.17	ng	# 37
66) 4-Bromophenyl-phenylether	10.63	248	12280	4.06	ng	# 1
70) Phenanthrene	11.35	178	140634	9.27	ng	98
74) Fluoranthene	12.54	202	149270	9.26	ng	92
77) Pyrene	12.77	202	140234	7.65	ng	99
80) Benzo(a)anthracene	13.96	228	77249	6.07	ng	97
82) Chrysene	13.96	228	77249	6.03	ng	98
83) Bis(2-ethylhexyl)phthalate	13.98	149	44327	4.82	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.76	276	44731	4.52	ng	# 90
87) Benzo(b)fluoranthene	14.99	252	143709	10.33	ng	98
88) Benzo(k)fluoranthene	14.99	252	143709	11.45	ng	# 95
89) Benzo(a)pyrene	15.33	252	73452	5.94	ng	97
91) Benzo(g,h,i)perylene	17.18	276	41437	3.56	ng	94

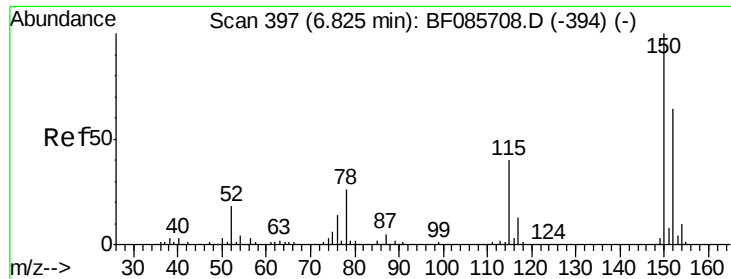
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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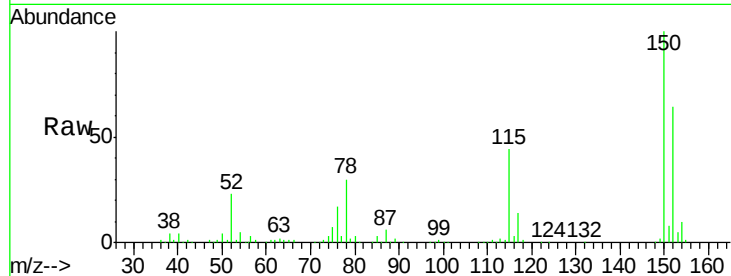


#1

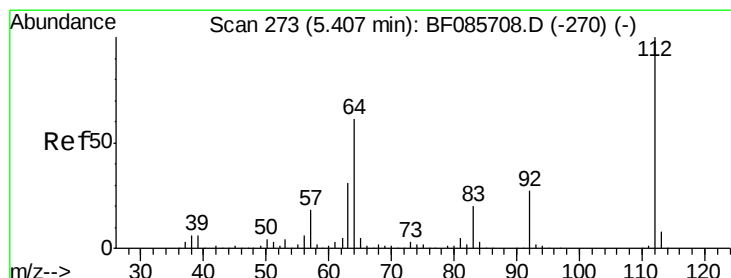
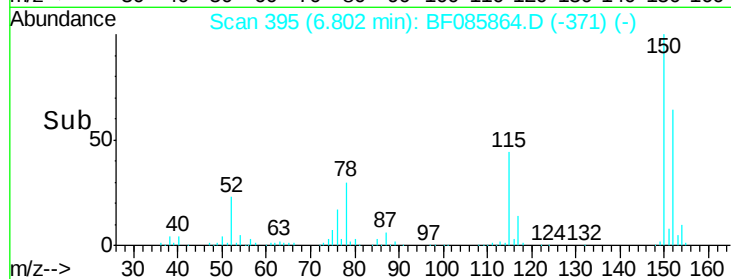
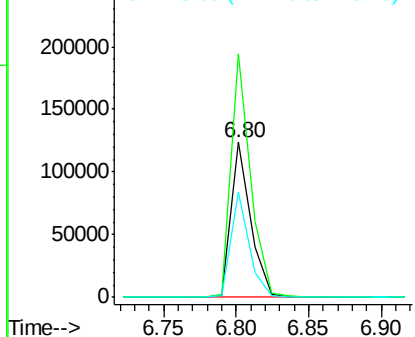
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 395
Delta R.T. -0.02 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:152 Resp: 115289
Ion Ratio Lower Upper
152 100
150 157.4 124.2 186.2
115 68.5 47.0 70.6



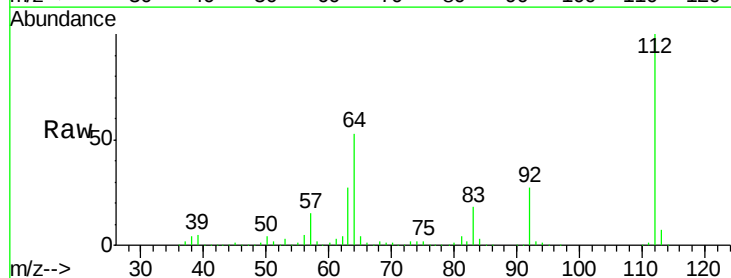
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



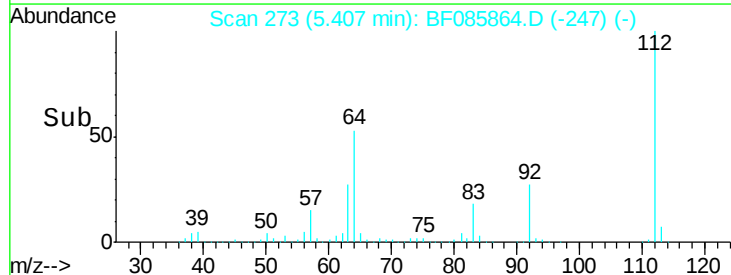
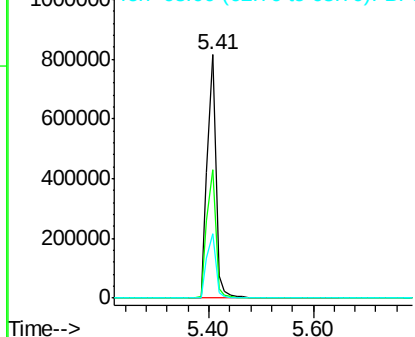
#5

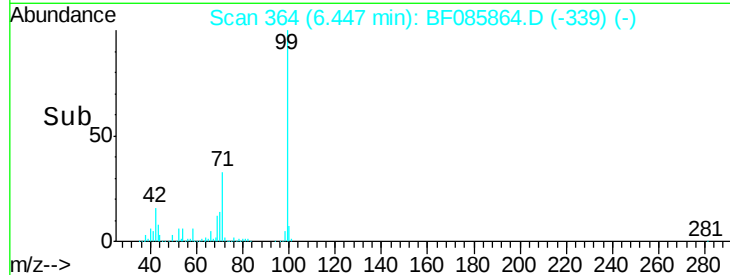
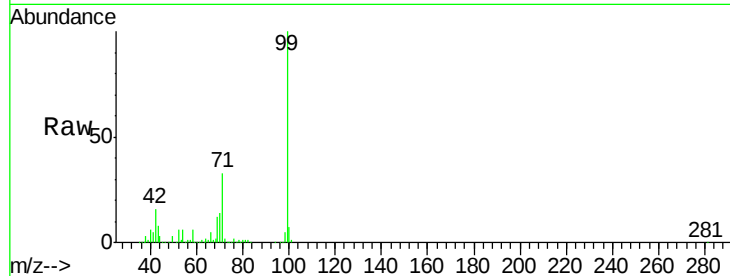
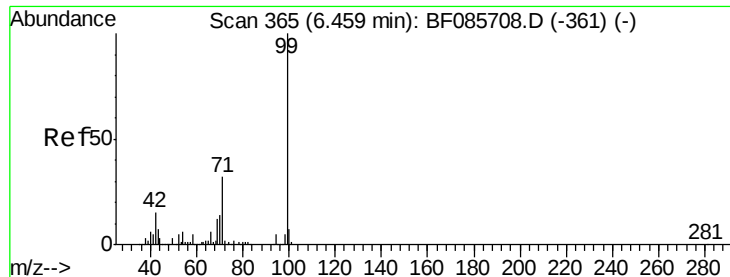
2-Fluorophenol
Concen: 136.30 ng
RT: 5.41 min Scan# 273
Delta R.T. 0.00 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Tgt Ion:112 Resp: 943520
Ion Ratio Lower Upper
112 100
64 52.7 39.9 59.9
63 26.7 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: 121.49 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

ClientSampleId :

TP-6

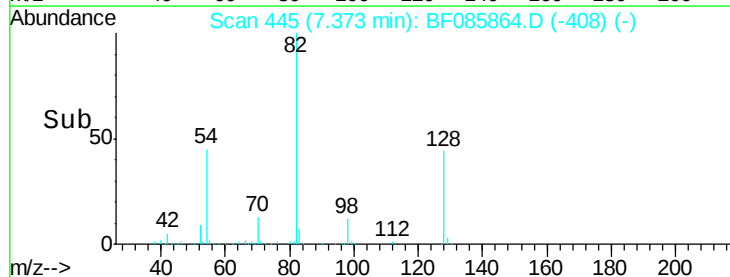
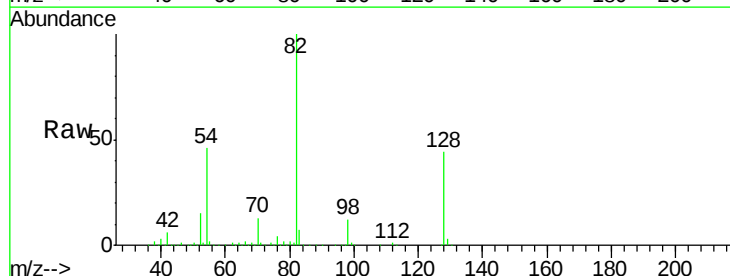
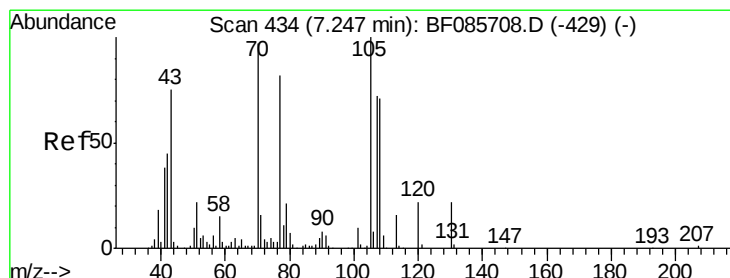
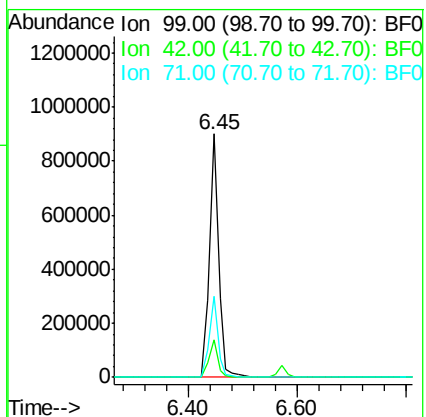
Tgt Ion: 99 Resp: 1069278

Ion Ratio Lower Upper

99 100

42 15.5 11.1 16.7

71 33.5 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.28 ng

RT: 7.37 min Scan# 445

Delta R.T. 0.13 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Tgt Ion: 70 Resp: 91088

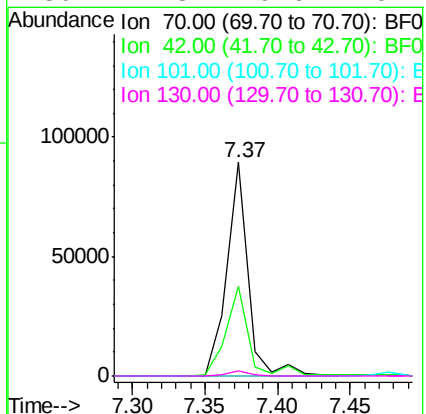
Ion Ratio Lower Upper

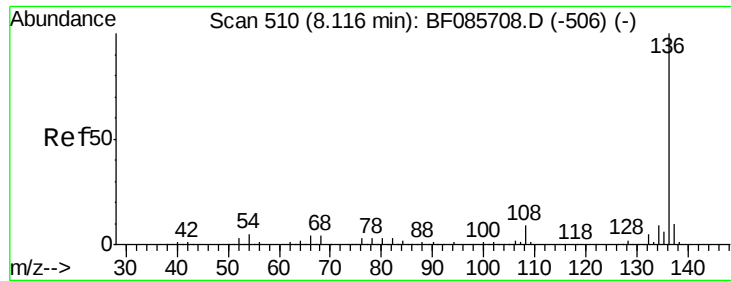
70 100

42 41.9 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

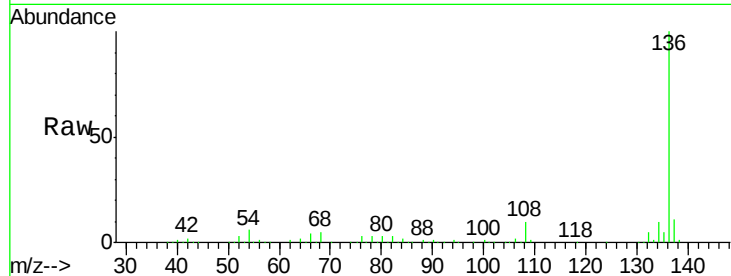




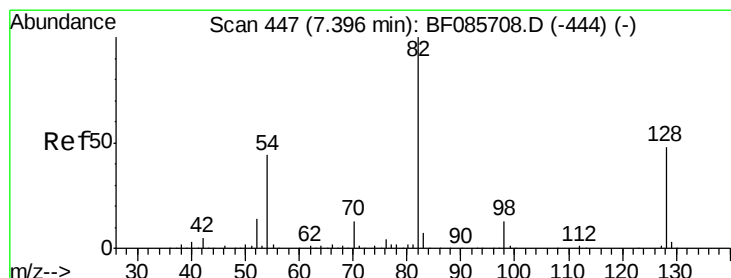
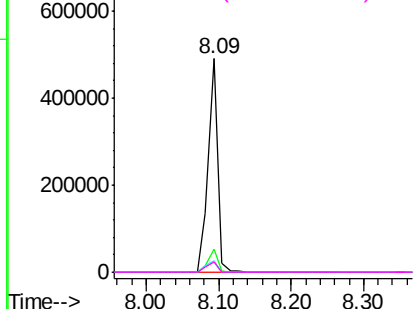
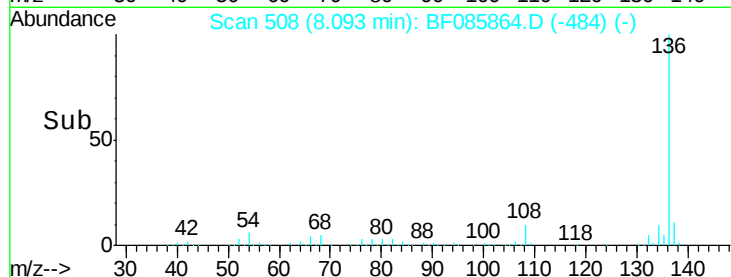
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:	136	Resp:	452683
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	5.6	7.4	11.0#
68	4.9	5.8	8.8#

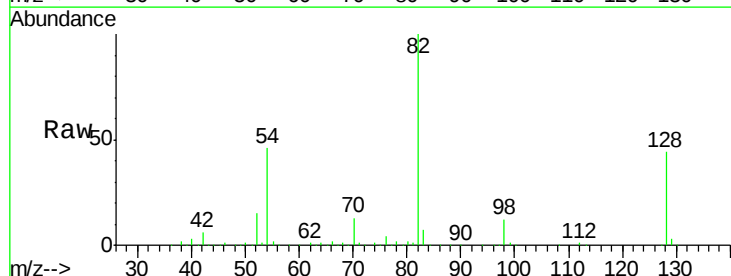


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

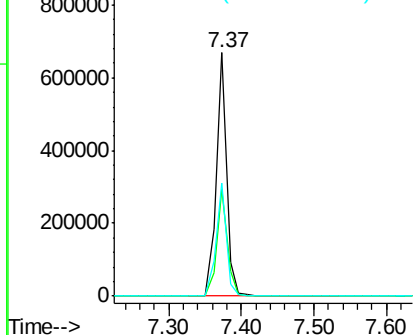
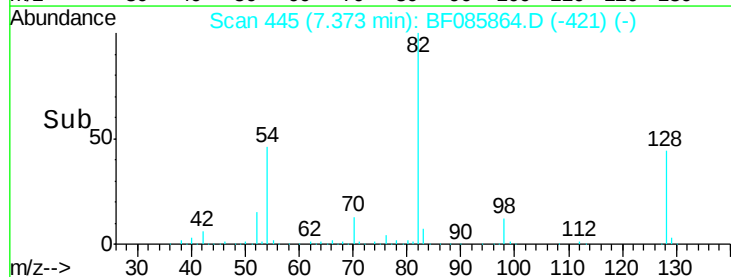


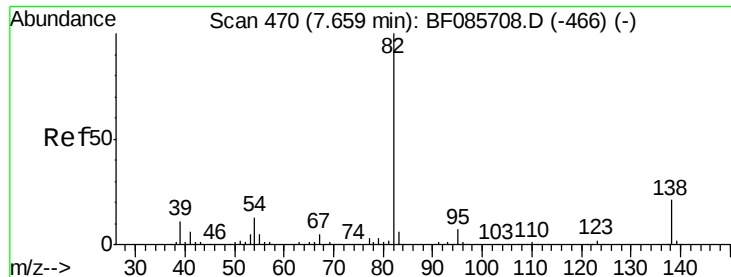
#23
Nitrobenzene-d5
Concen: 82.78 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Tgt Ion:	82	Resp:	665412
Ion	Ratio	Lower	Upper
82	100		
128	43.8	41.8	62.8
54	46.3	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: 34.42 ng

RT: 7.37 min Scan# 445

Delta R.T. -0.29 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

ClientSampled :

TP-6

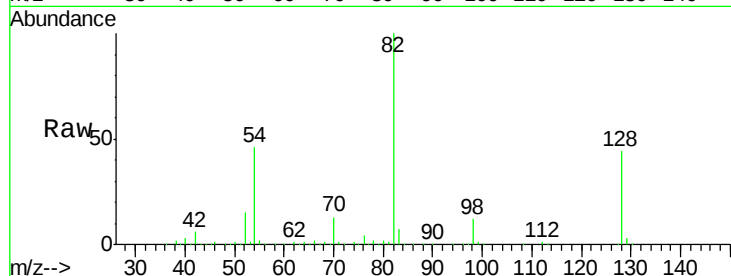
Tgt Ion: 82 Resp: 533002

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

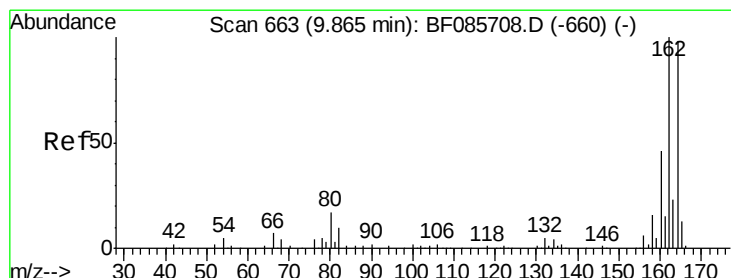
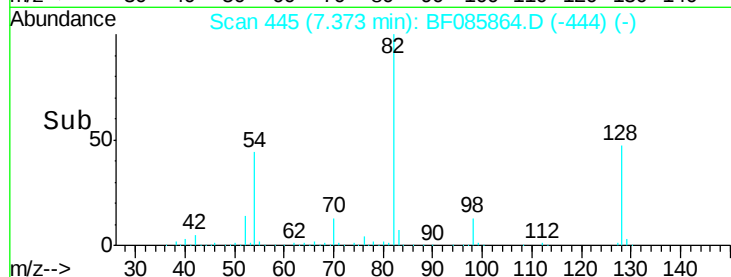
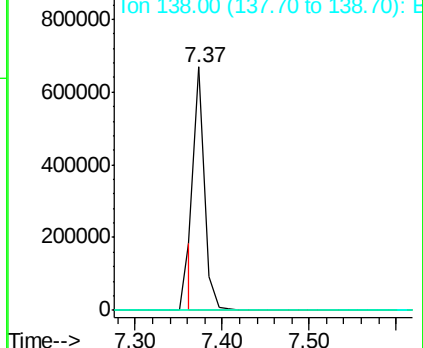
138 0.0 12.9 19.3#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

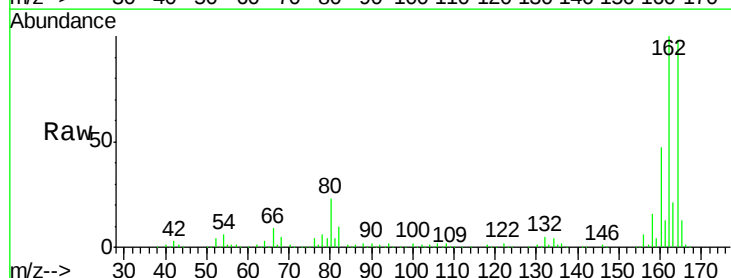
Tgt Ion: 164 Resp: 186669

Ion Ratio Lower Upper

164 100

162 101.9 82.1 123.1

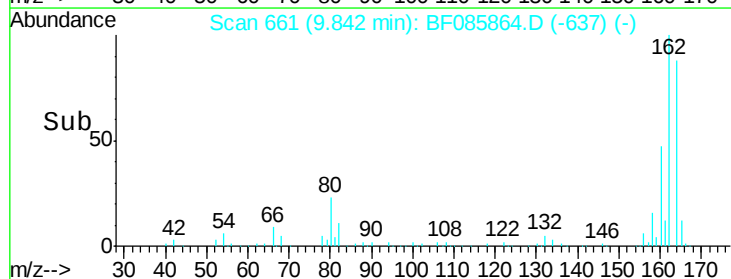
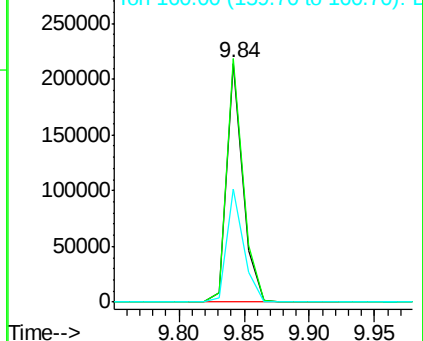
160 47.5 37.4 56.2

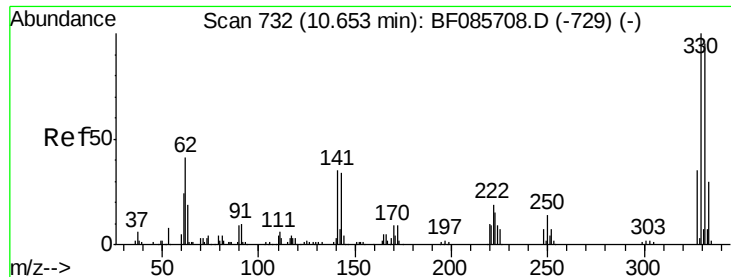


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

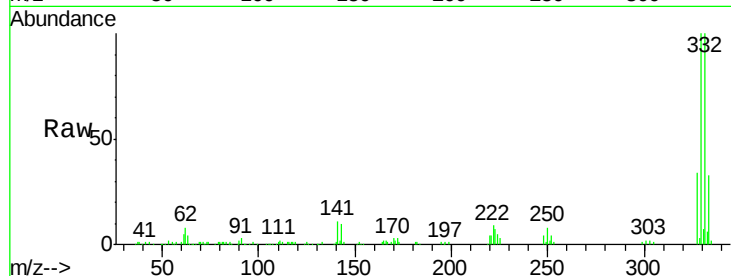




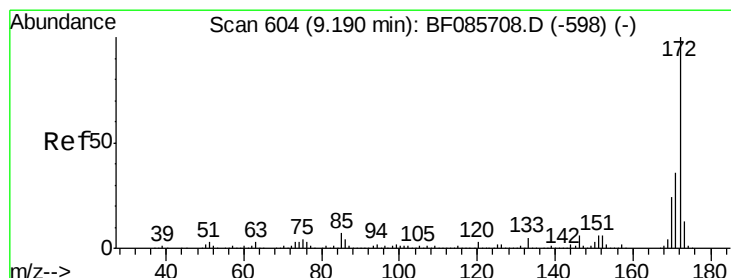
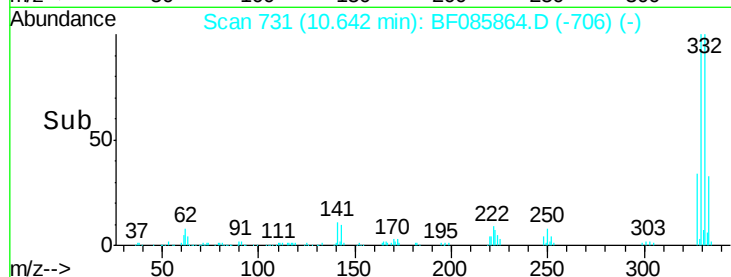
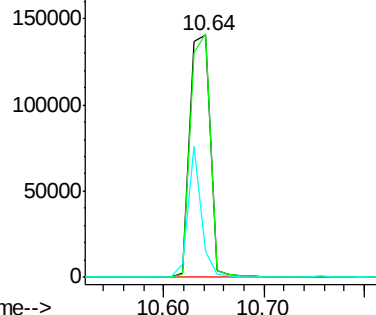
#41
 2,4,6-Tribromophenol
 Concen: 111.78 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Tgt Ion:330 Resp: 198244
 Ion Ratio Lower Upper
 330 100
 332 97.8 78.2 117.2
 141 35.8 31.5 47.3

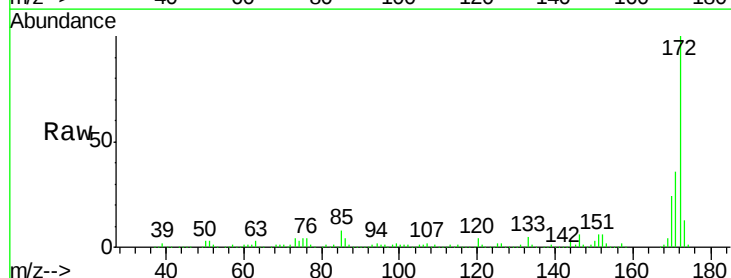


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

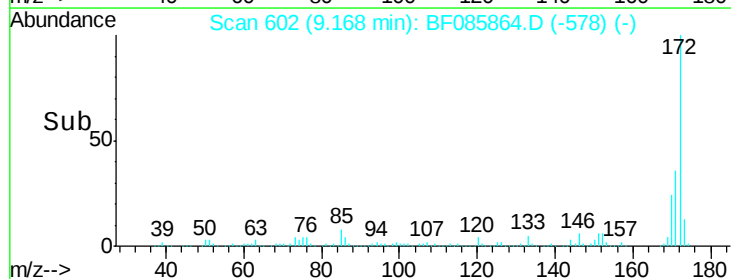
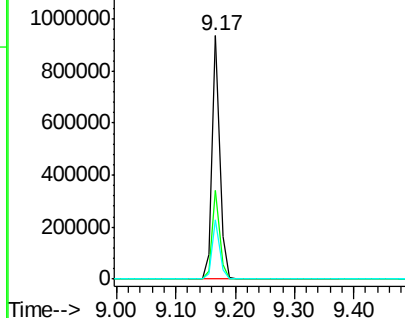


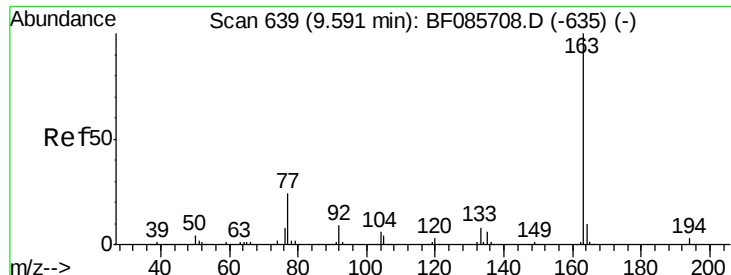
#44
 2-Fluorobiphenyl
 Concen: 74.67 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.02 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

Tgt Ion:172 Resp: 834219
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.2
 170 24.2 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

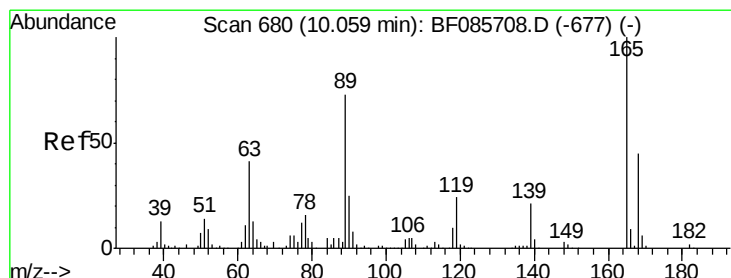
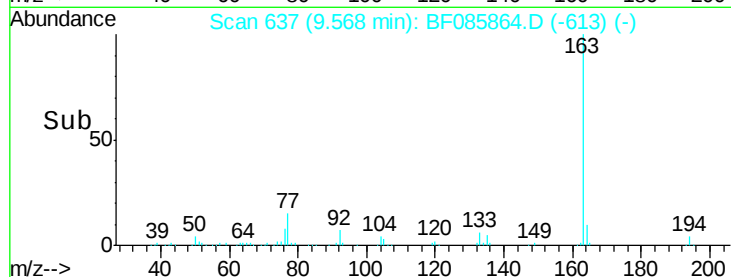
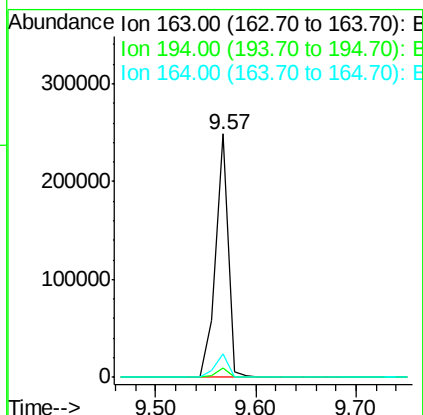
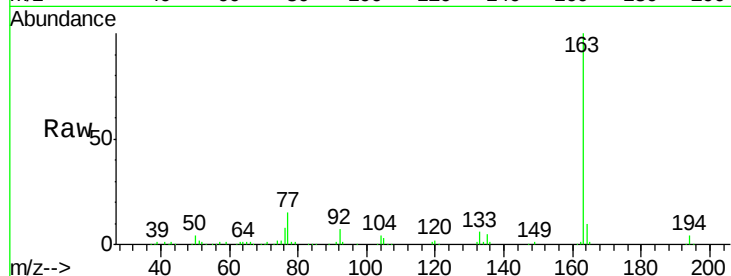




#49
Dimethylphthalate
Concen: 15.42 ng
RT: 9.57 min Scan# 637
Delta R.T. -0.02 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

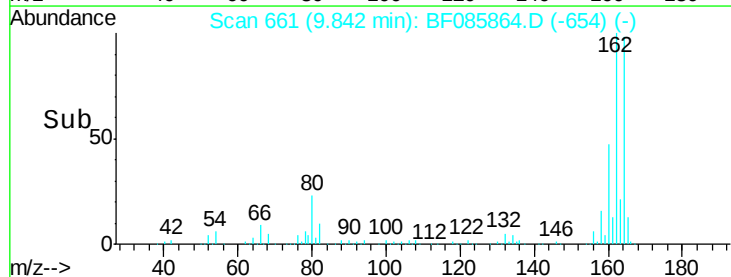
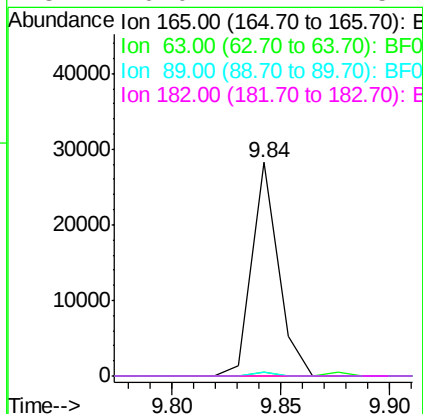
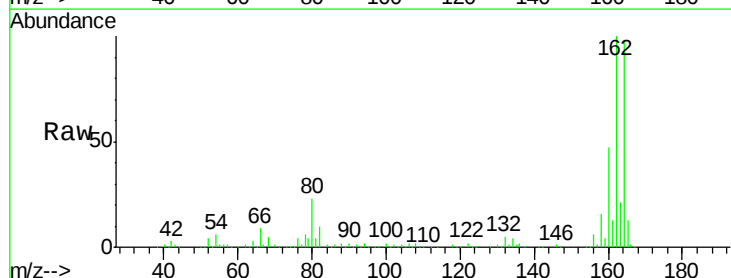
Instrument :
BNA_F
ClientSampleId :
TP-6

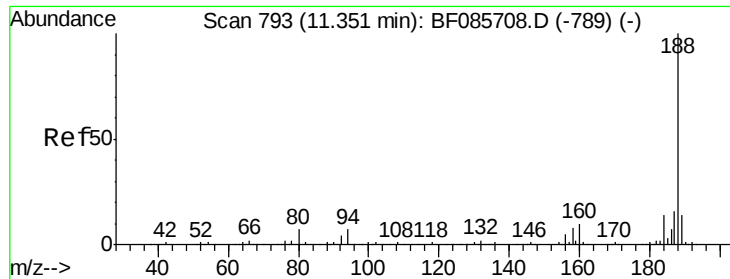
Tgt Ion:163 Resp: 218394
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 9.6 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.17 ng
RT: 9.84 min Scan# 661
Delta R.T. -0.22 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Tgt Ion:165 Resp: 23904
Ion Ratio Lower Upper
165 100
63 1.6 24.9 37.3#
89 1.7 41.0 61.6#
182 0.0 2.1 3.1#

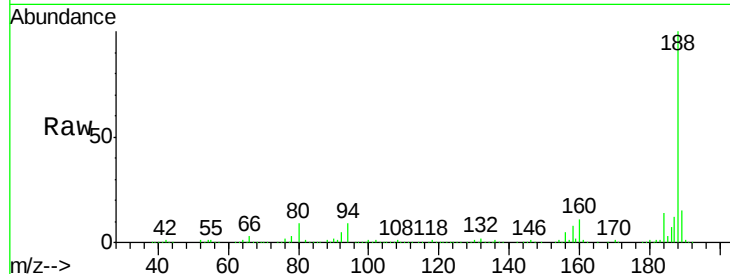




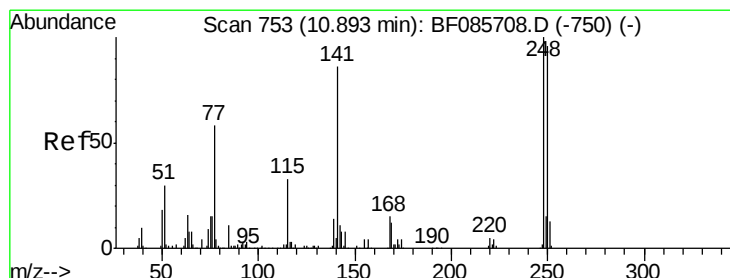
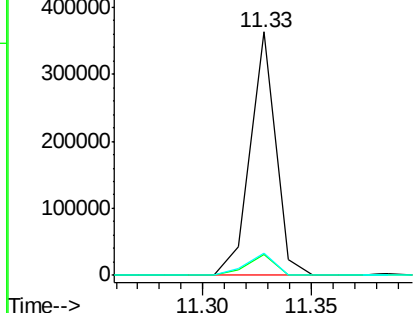
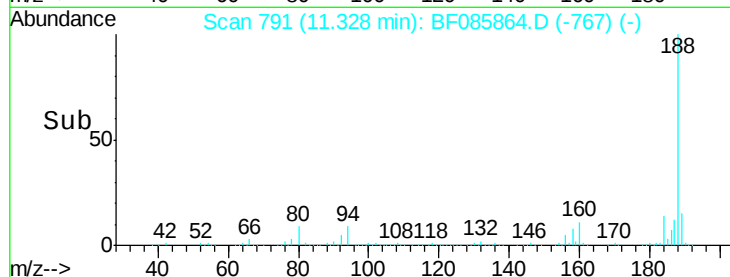
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:188 Resp: 295342
Ion Ratio Lower Upper
188 100
94 8.8 5.4 8.0#
80 9.4 5.5 8.3#

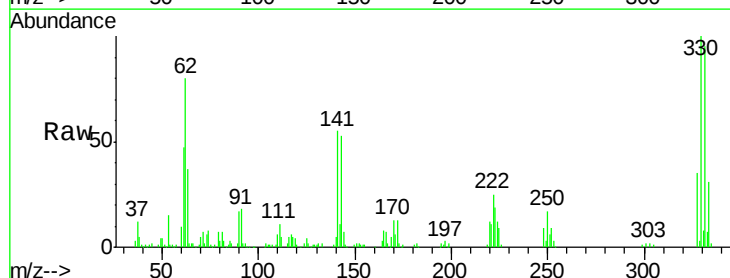


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

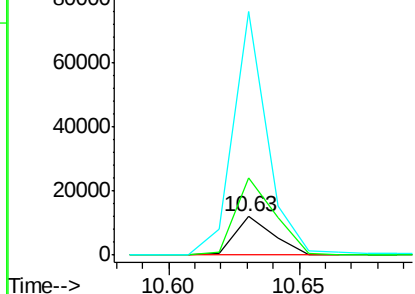
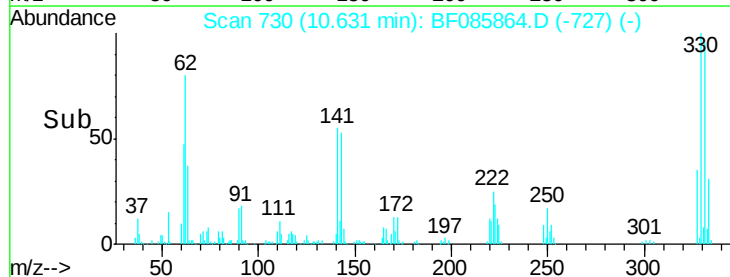


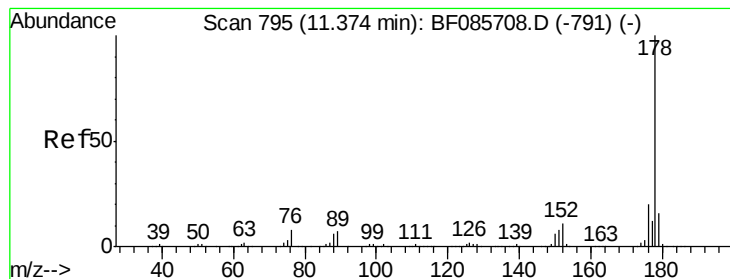
#66
4-Bromophenyl-phenylether
Concen: 4.06 ng
RT: 10.63 min Scan# 730
Delta R.T. -0.26 min
Lab File: BF085864.D
Acq: 29 Mar 2016 22:25

Tgt Ion:248 Resp: 12280
Ion Ratio Lower Upper
248 100
250 198.4 77.4 116.0#
141 630.0 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: 9.27 ng

RT: 11.35 min Scan# 793

Delta R.T. -0.02 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

ClientSampleId :

TP-6

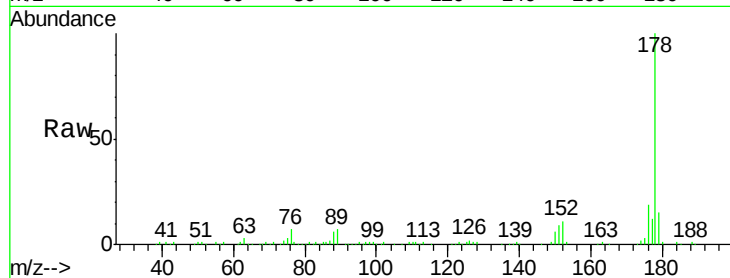
Tgt Ion:178 Resp: 140634

Ion Ratio Lower Upper

178 100

176 19.2 16.3 24.5

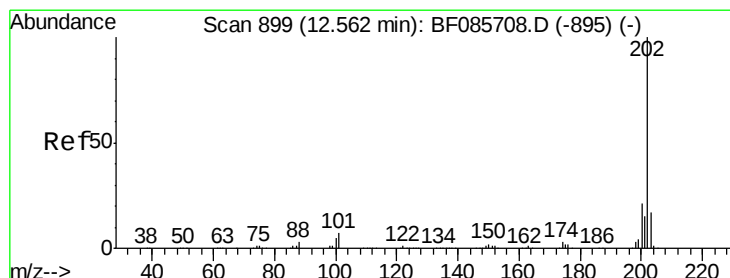
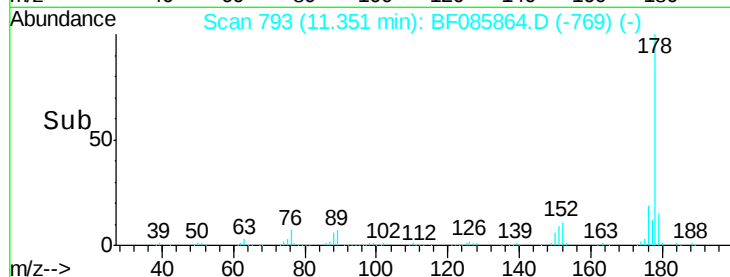
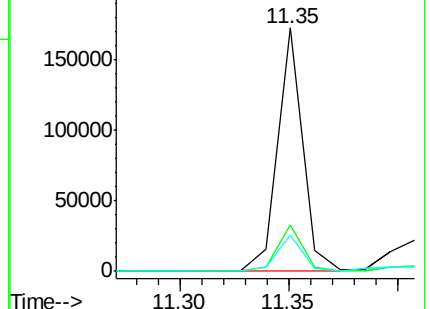
179 15.1 12.6 18.8



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: 9.26 ng

RT: 12.54 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

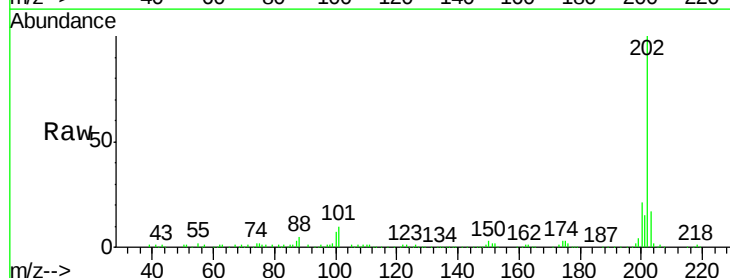
Tgt Ion:202 Resp: 149270

Ion Ratio Lower Upper

202 100

101 10.0 0.0 36.6

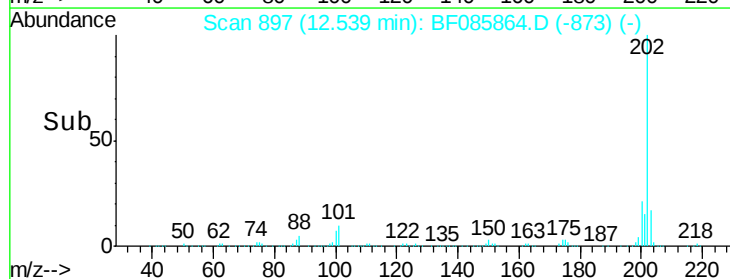
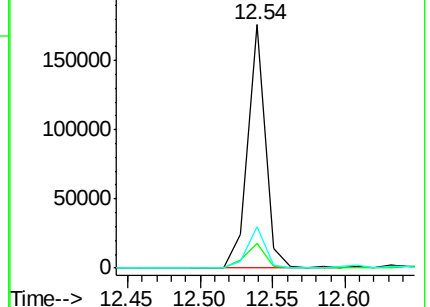
203 17.2 0.0 38.1

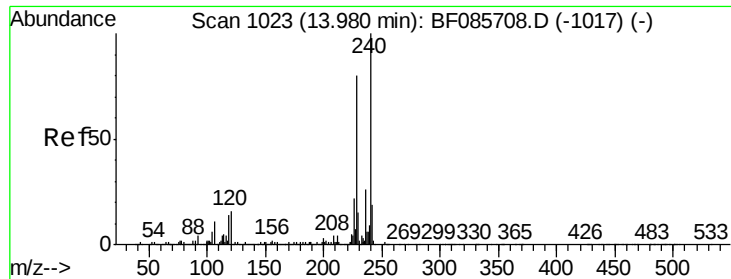


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

ClientSampleId :

TP-6

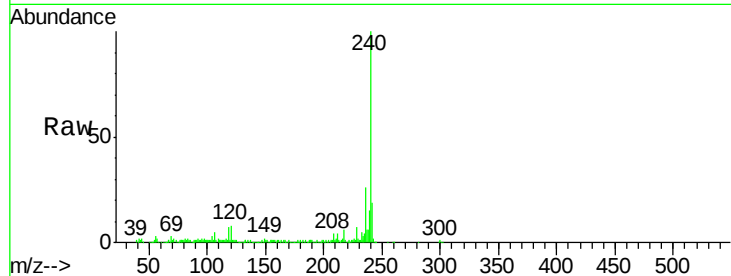
Tgt Ion:240 Resp: 223108

Ion Ratio Lower Upper

240 100

120 8.0 13.8 20.8#

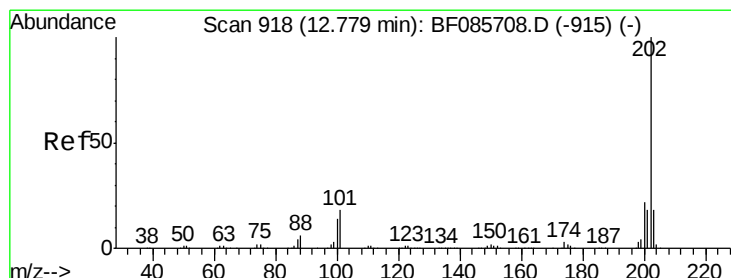
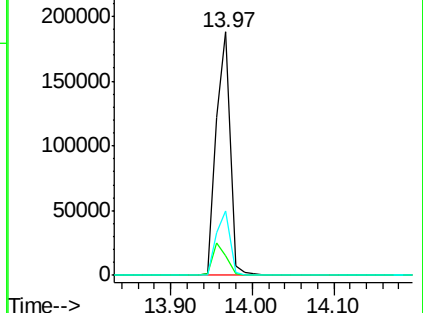
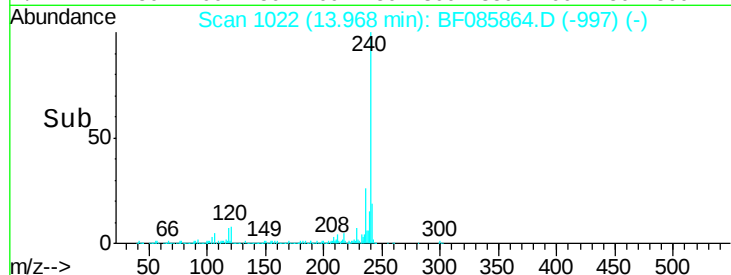
236 26.5 20.6 30.8



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: 7.65 ng

RT: 12.77 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

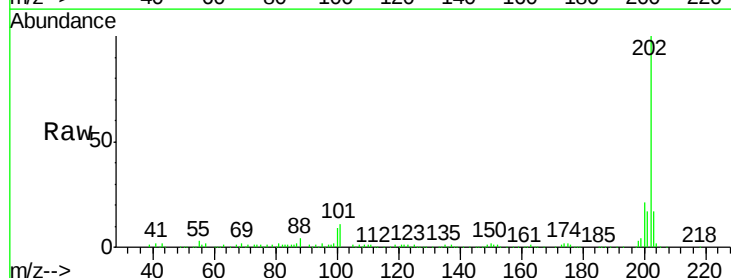
Tgt Ion:202 Resp: 140234

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

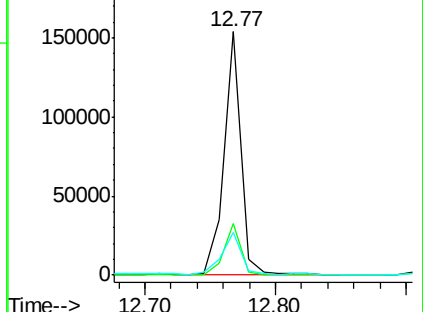
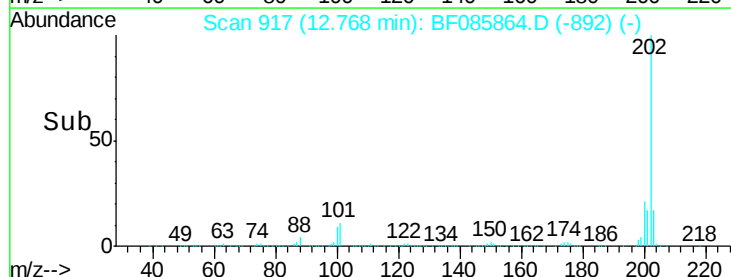
203 17.5 14.0 21.0

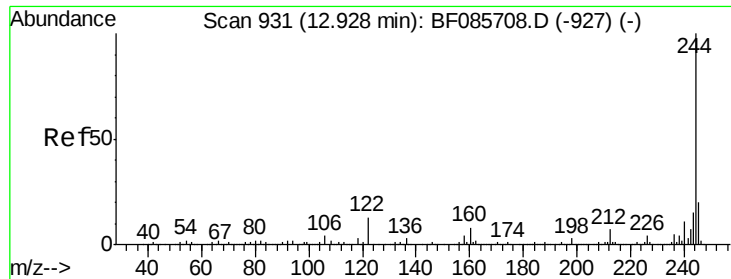


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

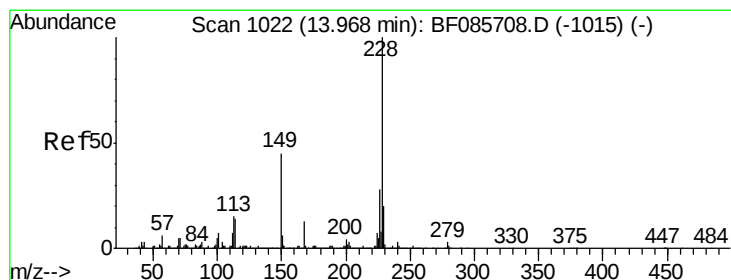
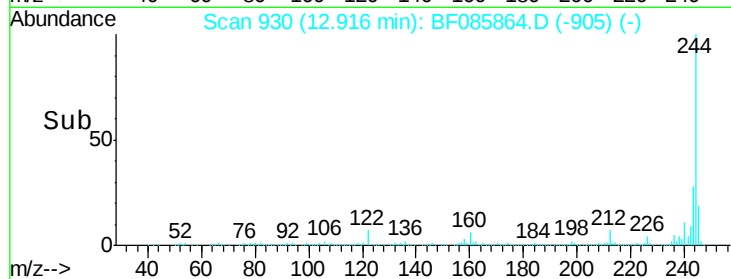
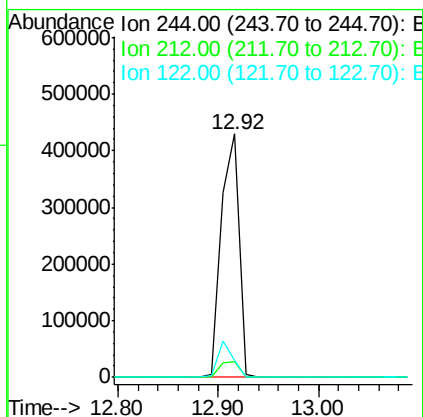
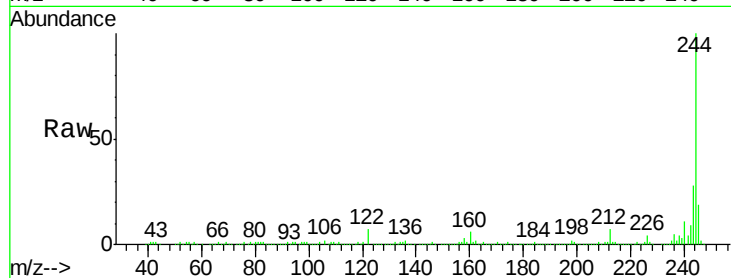




#78
 Terphenyl-d14
 Concen: 48.76 ng
 RT: 12.92 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

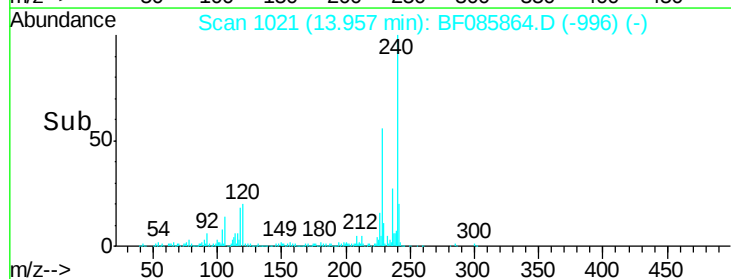
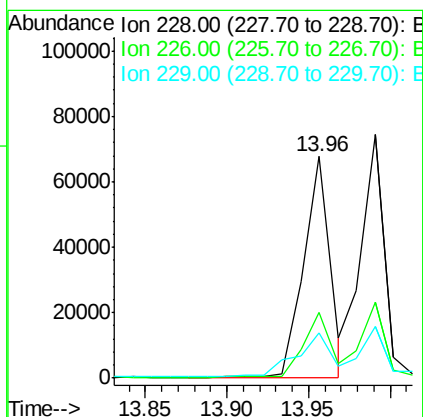
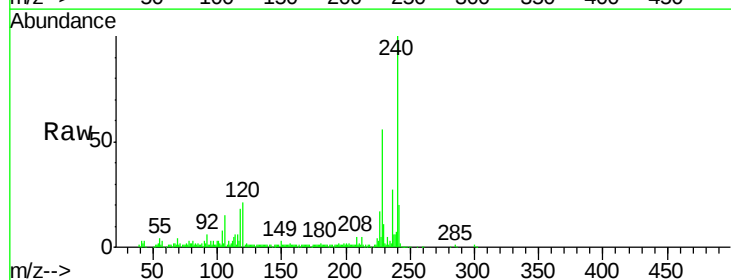
Instrument :
 BNA_F
 ClientSampleId :
 TP-6

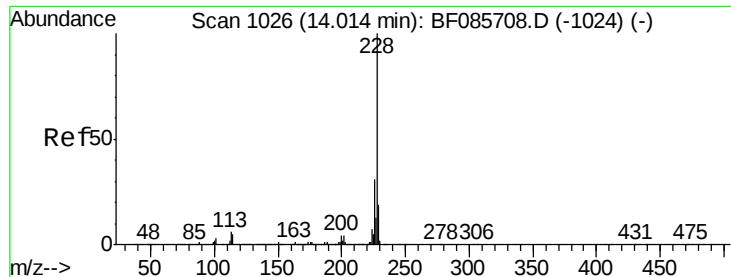
Tgt Ion: 244 Resp: 529022
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.1 9.1
 122 7.3 10.2 15.4#



#80
 Benzo(a)anthracene
 Concen: 6.07 ng
 RT: 13.96 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

Tgt Ion: 228 Resp: 77249
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.1 33.1
 229 20.2 16.2 24.4





#82

Chrysene

Concen: 6.03 ng

RT: 13.96 min Scan# 1021

Delta R.T. -0.06 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

ClientSampleId :

TP-6

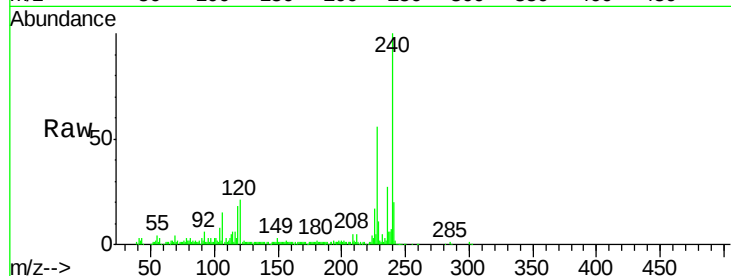
Tgt Ion:228 Resp: 77249

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

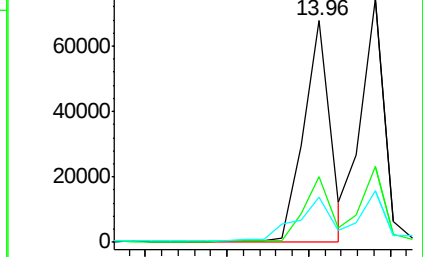
229 20.2 15.7 23.5



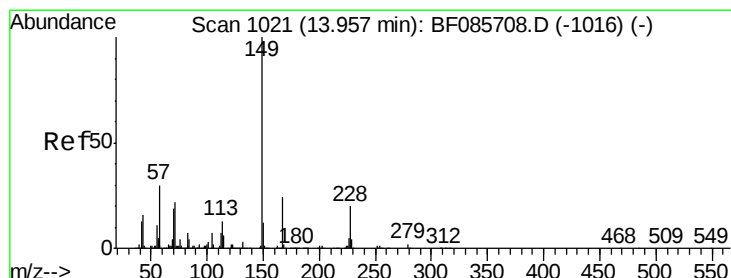
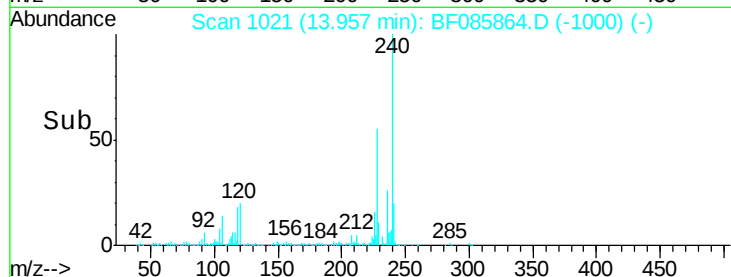
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 13.85 13.90 13.95



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.82 ng

RT: 13.98 min Scan# 1023

Delta R.T. 0.02 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

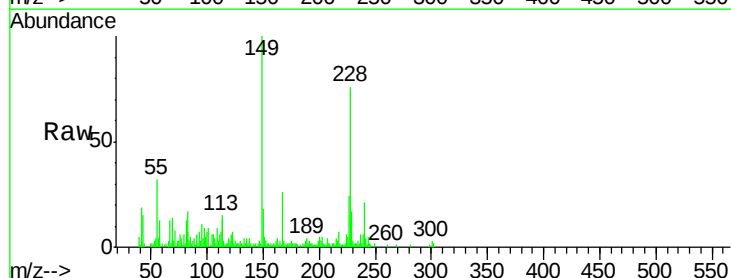
Tgt Ion:149 Resp: 44327

Ion Ratio Lower Upper

149 100

167 26.1 19.4 29.2

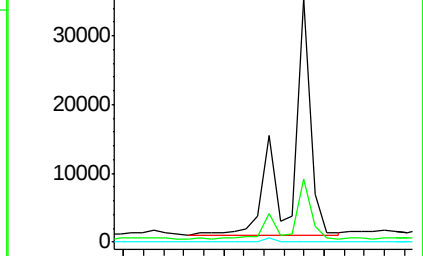
279 0.0 1.5 2.3#



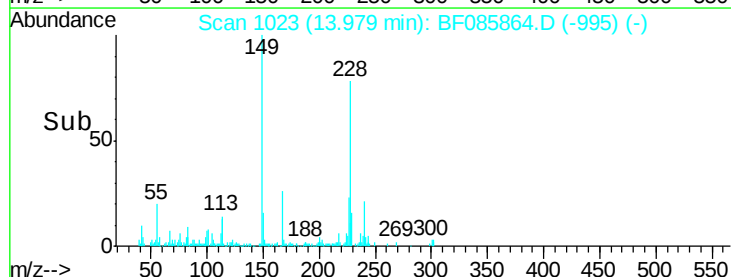
Abundance Ion 149.00 (148.70 to 149.70): E

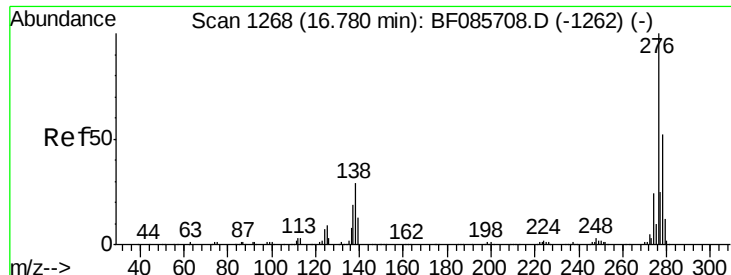
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 13.80 13.90 14.00

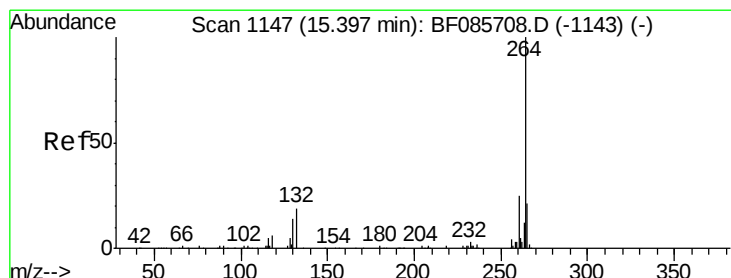
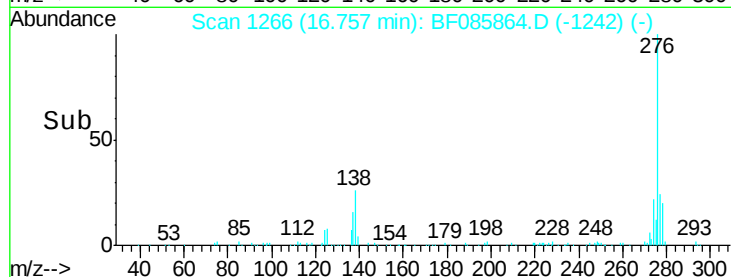
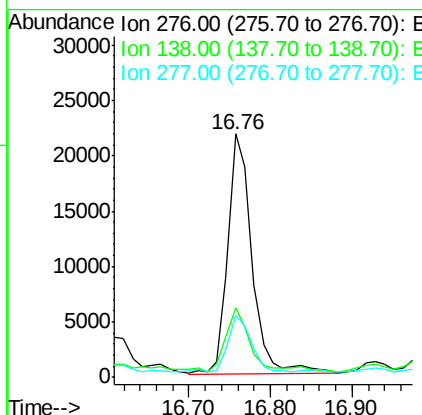
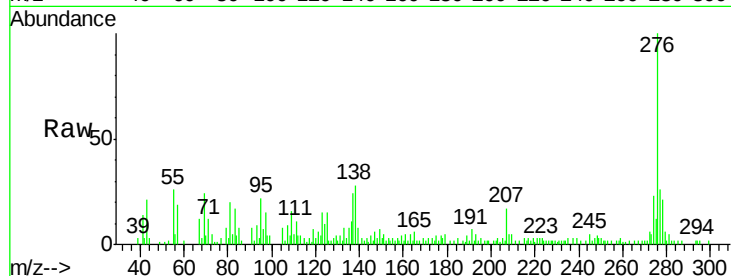




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.52 ng
 RT: 16.76 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

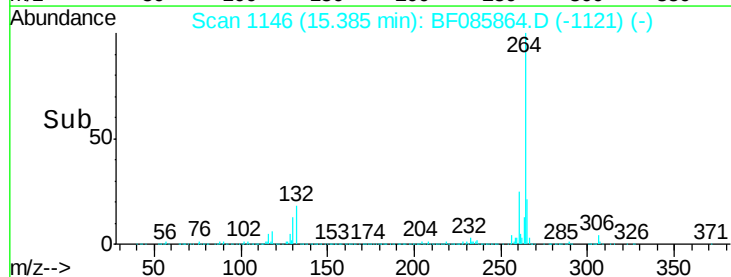
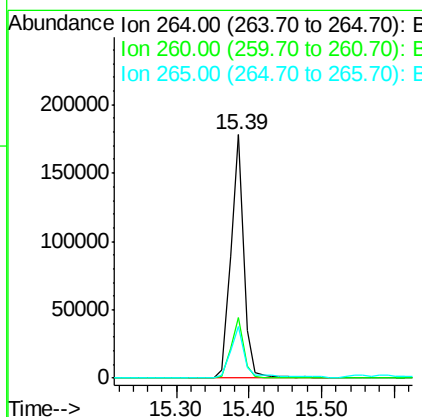
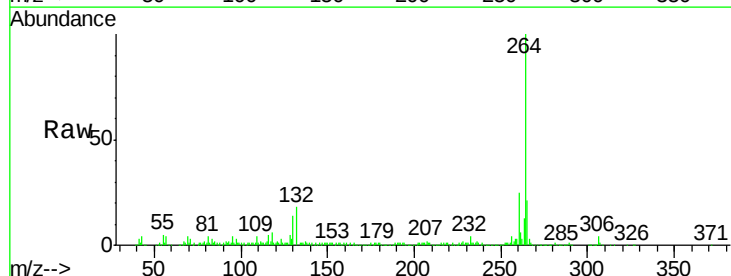
Instrument :
 BNA_F
 ClientSampleId :
 TP-6

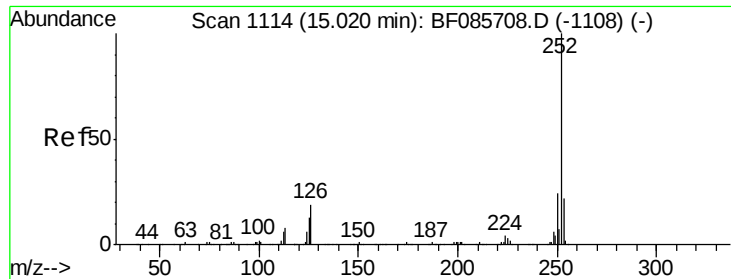
Tgt Ion: 276 Resp: 44731
 Ion Ratio Lower Upper
 276 100
 138 23.1 24.2 36.4#
 277 22.3 20.0 30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF085864.D
 Acq: 29 Mar 2016 22:25

Tgt Ion: 264 Resp: 220903
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.4 29.2
 265 21.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 10.33 ng

RT: 14.99 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

ClientSampleId :

TP-6

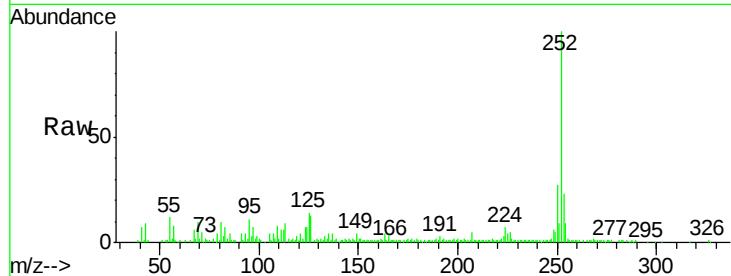
Tgt Ion:252 Resp: 143709

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

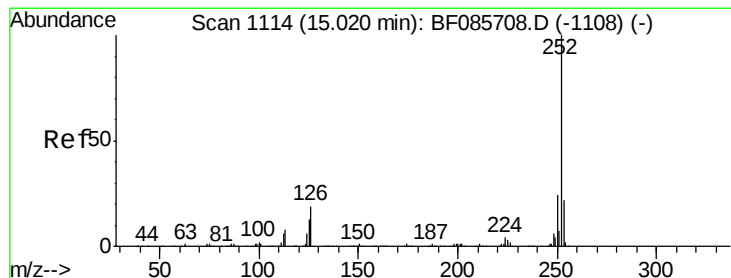
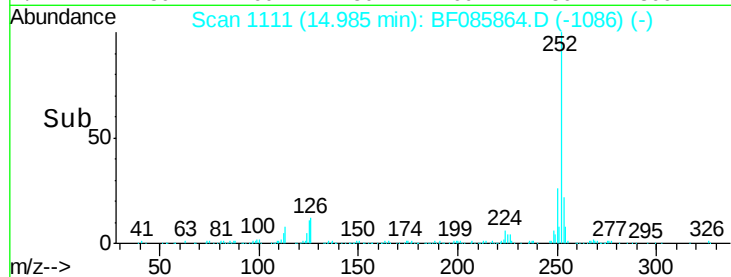
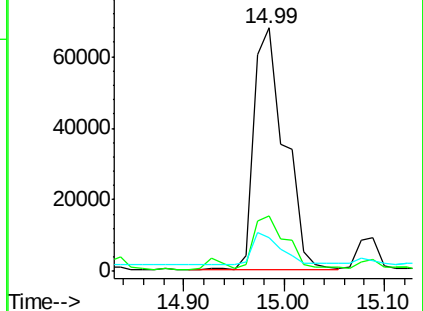
125 13.7 10.3 15.5



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: 11.45 ng

RT: 14.99 min Scan# 1111

Delta R.T. -0.03 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

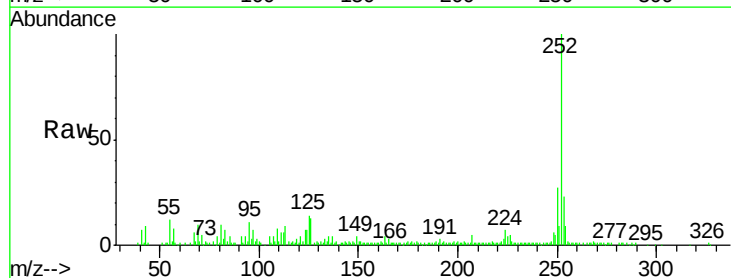
Tgt Ion:252 Resp: 143709

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

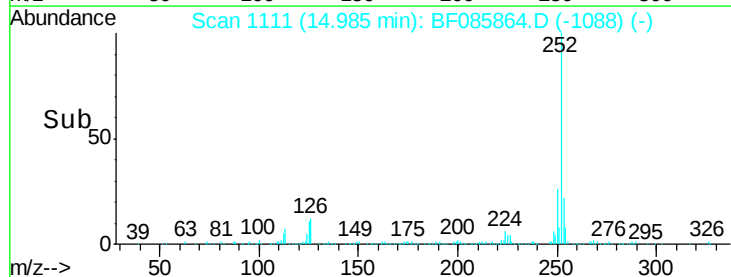
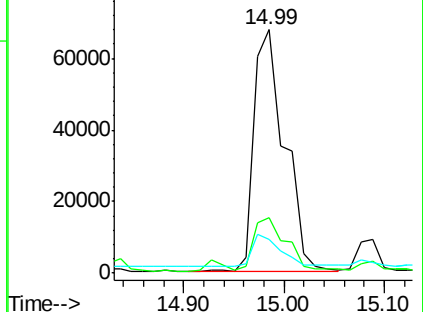
125 13.7 7.7 11.5#

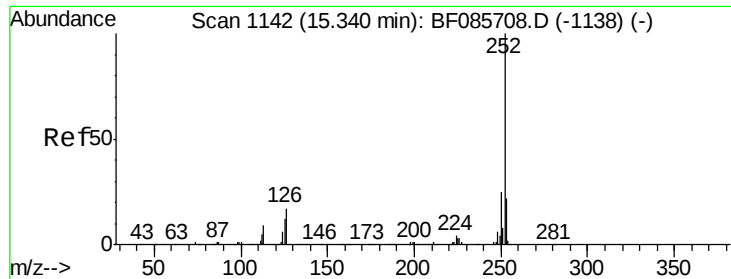


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.94 ng

RT: 15.33 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

Instrument :

BNA_F

ClientSampleId :

TP-6

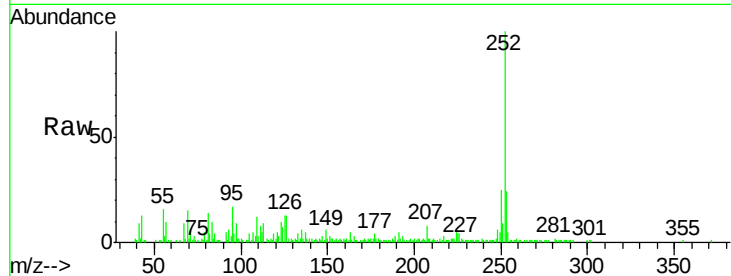
Tgt Ion:252 Resp: 73452

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

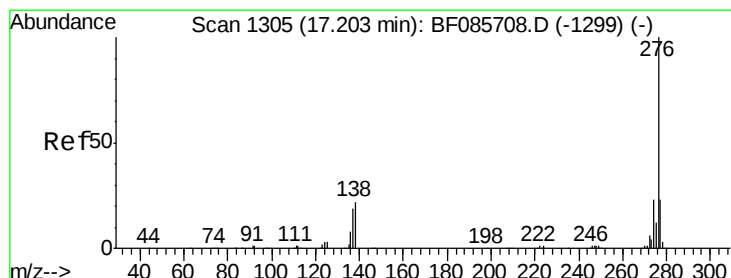
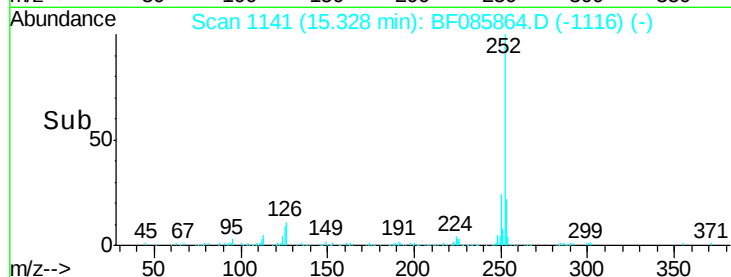
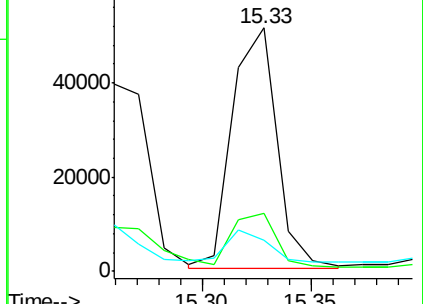
125 13.0 10.3 15.5



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



#91

Benzo(g,h,i)perylene

Concen: 3.56 ng

RT: 17.18 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF085864.D

Acq: 29 Mar 2016 22:25

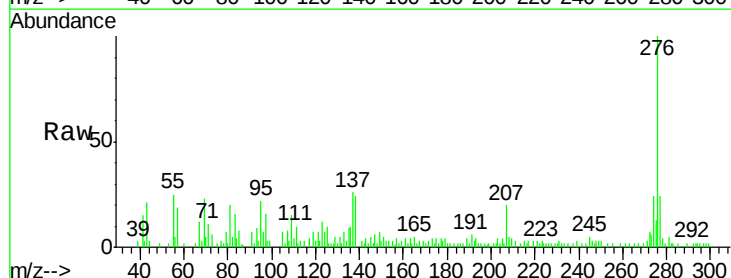
Tgt Ion:276 Resp: 41437

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 23.7 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

