

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085777.D
 Acq On : 25 Mar 2016 22:41
 Operator : UM/SJ
 Sample : H1855-13 2X
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-8

Quant Time: Mar 25 23:16:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

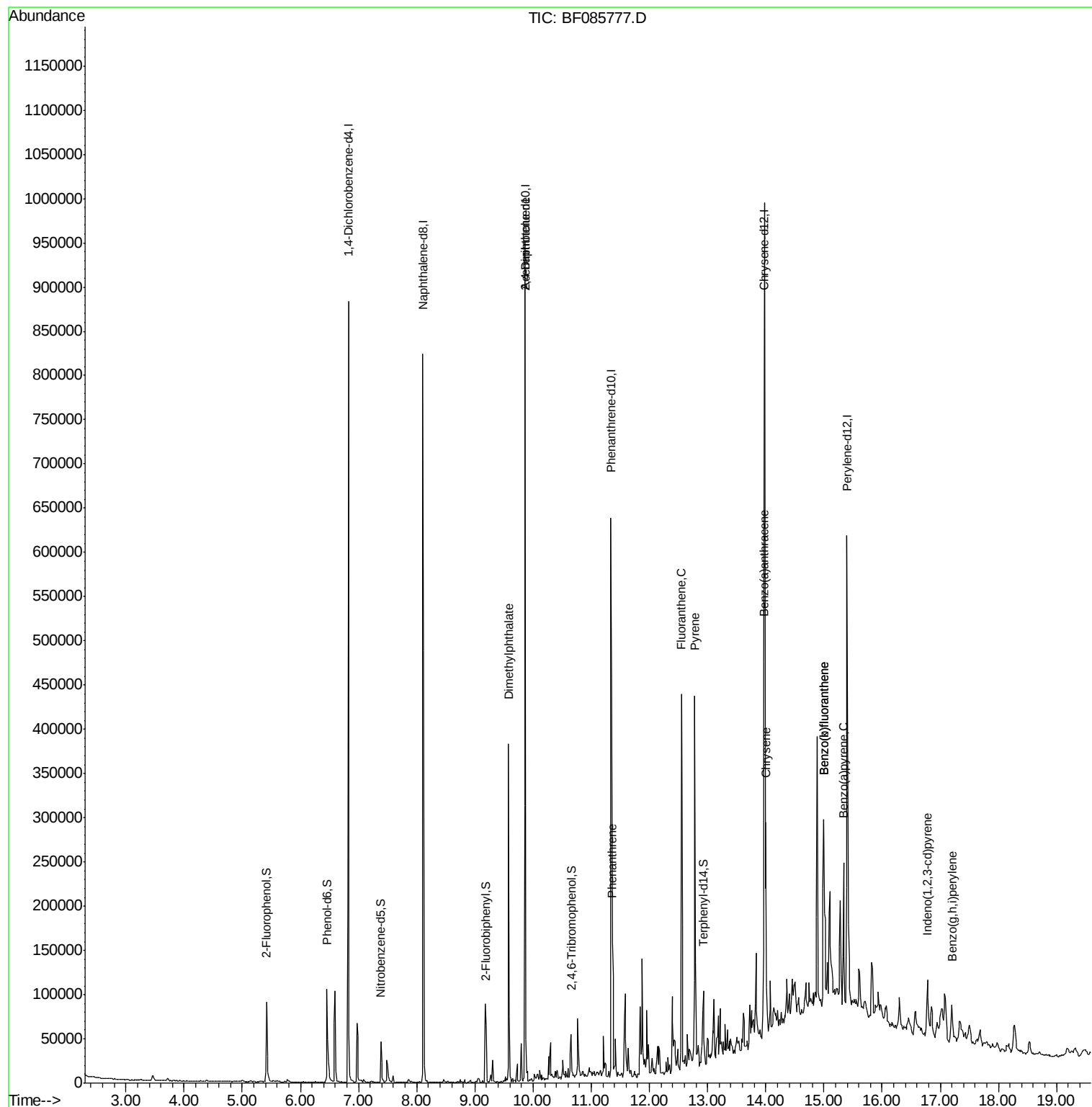
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	133054	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	467284	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	193142	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	302553	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	286164	20.00	ng	0.00
86) Perylene-d12	15.40	264	239945	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	35704	4.47	ng	0.01
7) Phenol-d6	6.46	99	49975	4.92	ng	0.00
23) Nitrobenzene-d5	7.38	82	21077	2.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	6539	3.56	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	37924	3.28	ng	0.00
78) Terphenyl-d14	12.93	244	28266	2.03	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.82	142	1425	Below Cal		Qvalue 89
49) Dimethylphthalate	9.58	163	142939	9.75	ng	99
56) 2,4-Dinitrotoluene	9.86	165	24926	6.22	ng	# 37
70) Phenanthrene	11.36	178	73153	4.71	ng	98
74) Fluoranthene	12.55	202	176924	10.71	ng	97
77) Pyrene	12.78	202	173593	7.38	ng	98
80) Benzo(a)anthracene	13.97	228	74677	4.58	ng	95
82) Chrysene	14.00	228	72653	4.42	ng	98
85) Indeno(1,2,3-cd)pyrene	16.78	276	40750	3.21	ng	# 93
87) Benzo(b)fluoranthene	15.00	252	142121	9.40	ng	99
88) Benzo(k)fluoranthene	15.00	252	142121	10.43	ng	# 98
89) Benzo(a)pyrene	15.34	252	65911	4.91	ng	99
91) Benzo(g,h,i)perylene	17.20	276	35949	2.85	ng	96

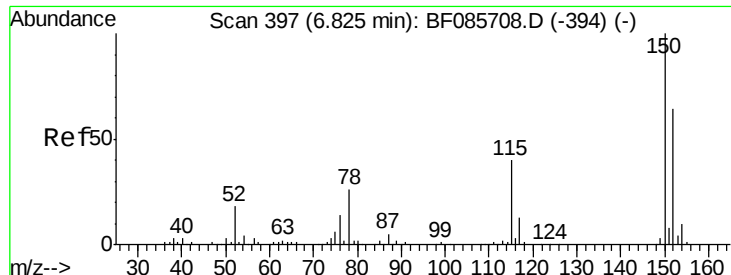
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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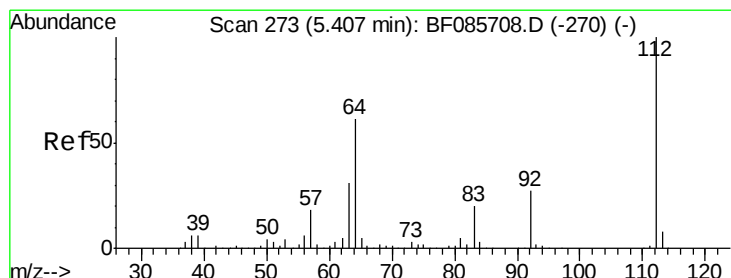
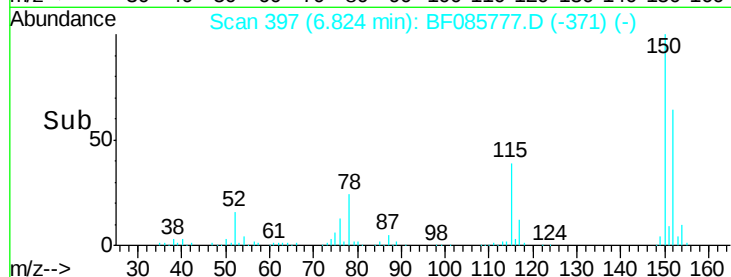
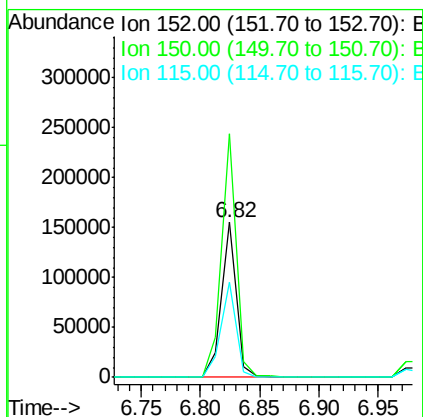
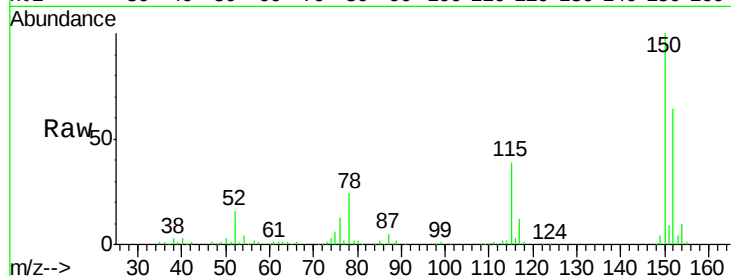


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085777.D
Acq: 25 Mar 2016 22:41

Instrument :
BNA_F
ClientSampleId :
SB-8

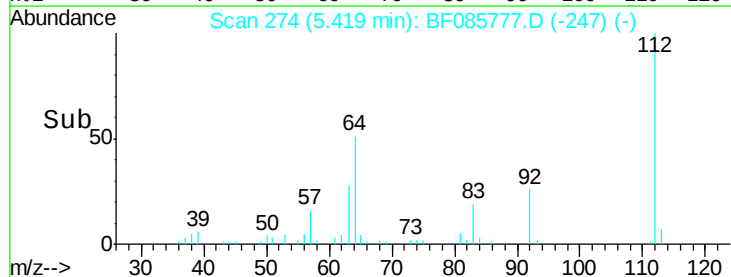
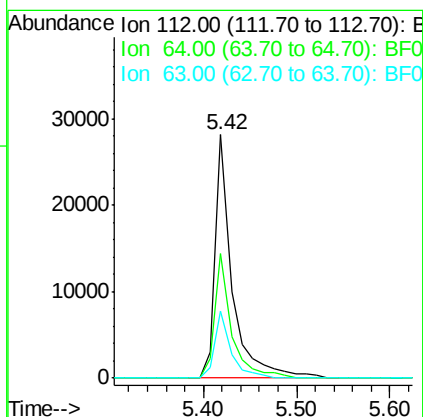
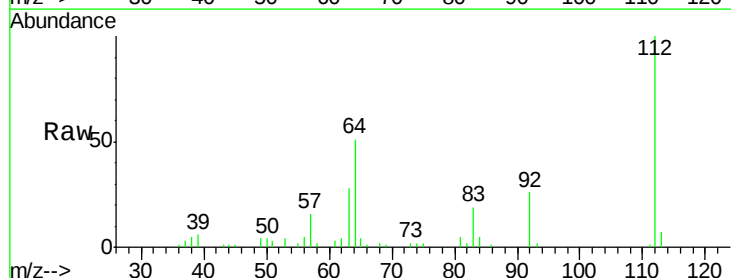
Tgt Ion:152 Resp: 133054
Ion Ratio Lower Upper
152 100
150 156.8 124.2 186.2
115 61.2 47.0 70.6



#5

2-Fluorophenol
Concen: 4.47 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085777.D
Acq: 25 Mar 2016 22:41

Tgt Ion:112 Resp: 35704
Ion Ratio Lower Upper
112 100
64 51.0 39.9 59.9
63 27.7 20.2 30.2





#7

Phenol-d6

Concen: 4.92 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085777.D

Acq: 25 Mar 2016 22:41

Instrument :

BNA_F

ClientSampled :

SB-8

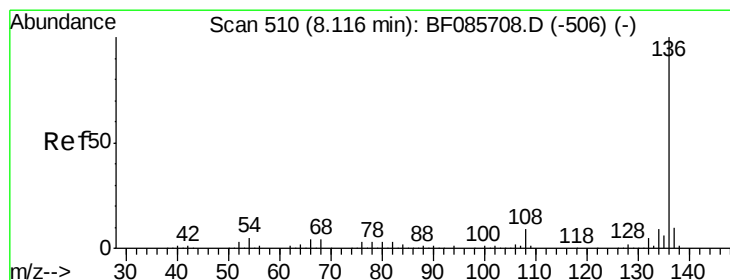
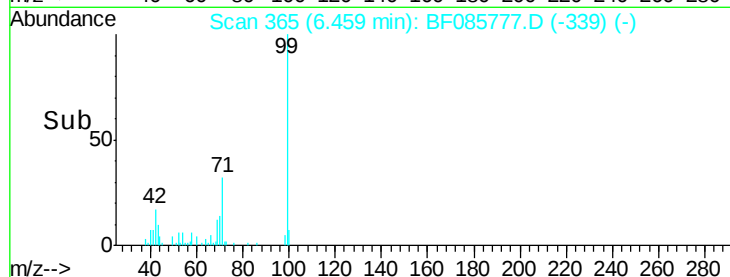
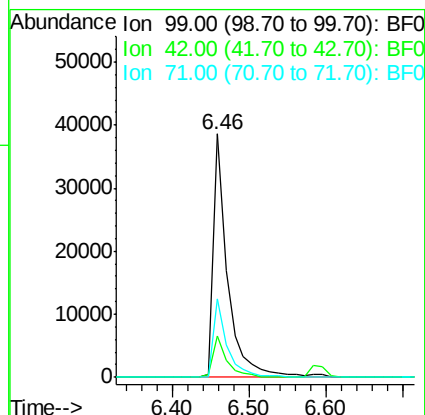
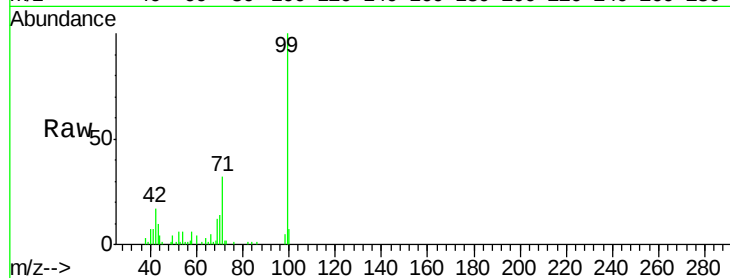
Tgt Ion: 99 Resp: 49975

Ion Ratio Lower Upper

99 100

42 17.1 11.1 16.7#

71 32.2 24.9 37.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085777.D

Acq: 25 Mar 2016 22:41

Tgt Ion: 136 Resp: 467284

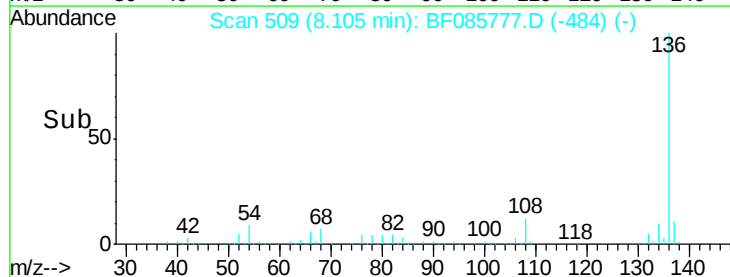
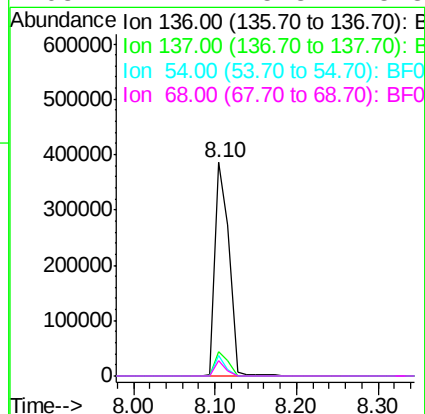
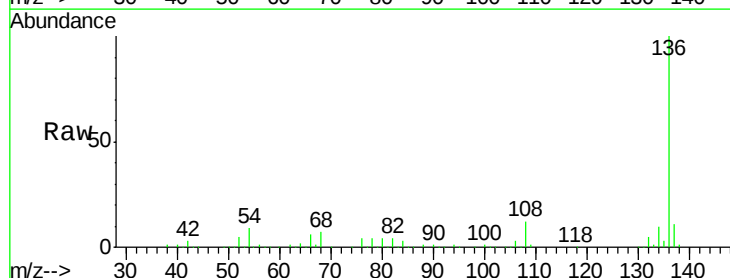
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.3 7.4 11.0

68 7.4 5.8 8.8

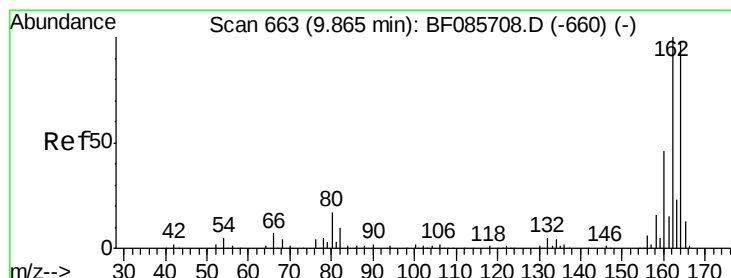
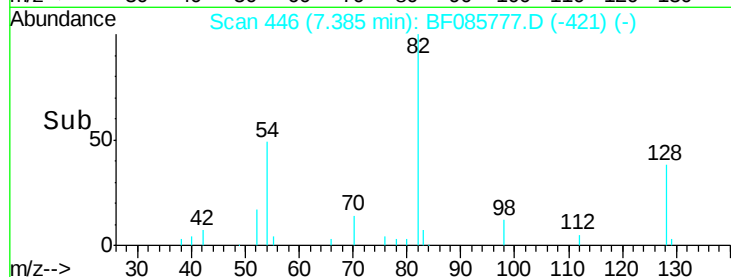
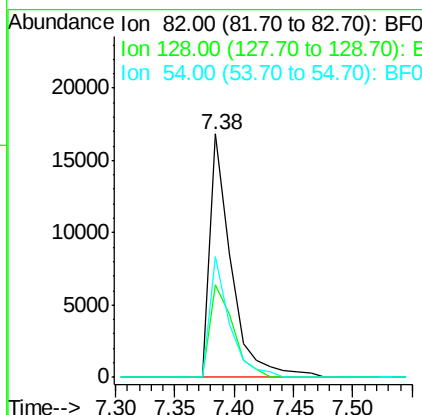
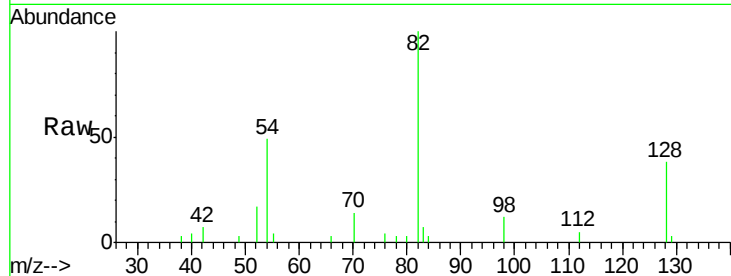




#23
 Nitrobenzene-d5
 Concen: 2.54 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085777.D
 Acq: 25 Mar 2016 22:41

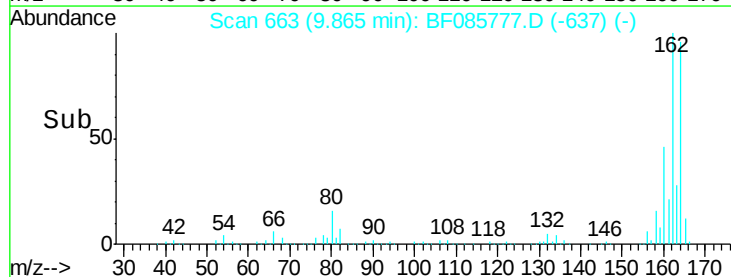
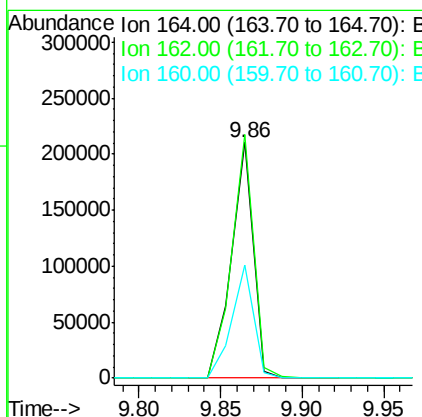
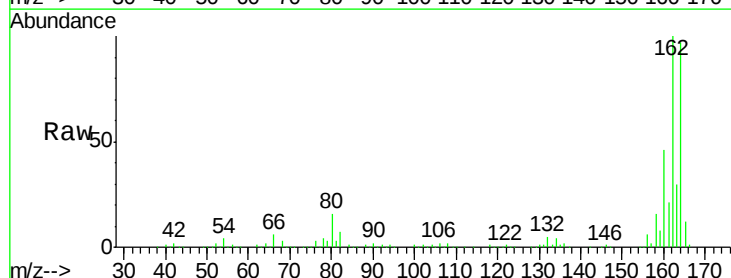
Instrument :
 BNA_F
 ClientSampleID :
 SB-8

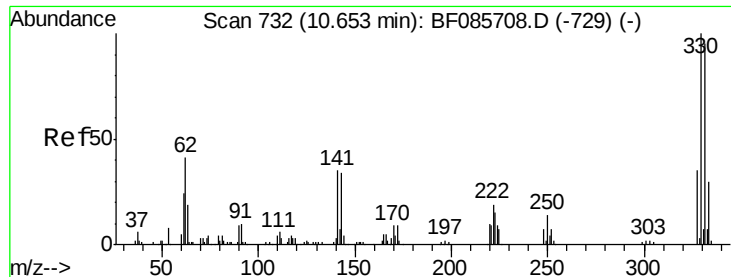
Tgt Ion: 82 Resp: 21077
 Ion Ratio Lower Upper
 82 100
 128 37.8 41.8 62.8#
 54 49.5 33.4 50.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085777.D
 Acq: 25 Mar 2016 22:41

Tgt Ion: 164 Resp: 193142
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.1 123.1
 160 47.9 37.4 56.2

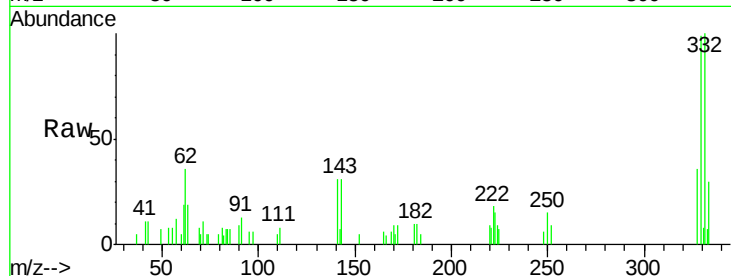




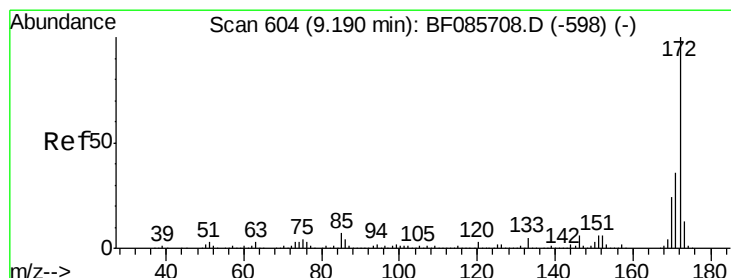
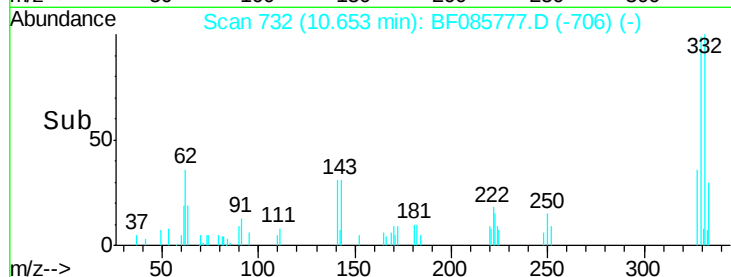
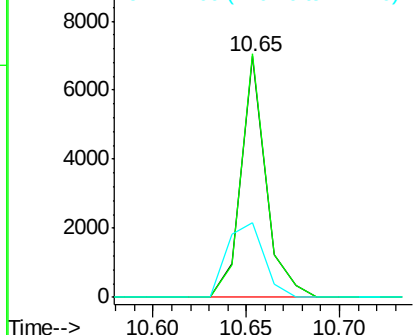
#41
 2,4,6-Tribromophenol
 Concen: 3.56 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085777.D
 Acq: 25 Mar 2016 22:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-8

Tgt Ion:330 Resp: 6539
 Ion Ratio Lower Upper
 330 100
 332 100.2 78.2 117.2
 141 46.2 31.5 47.3

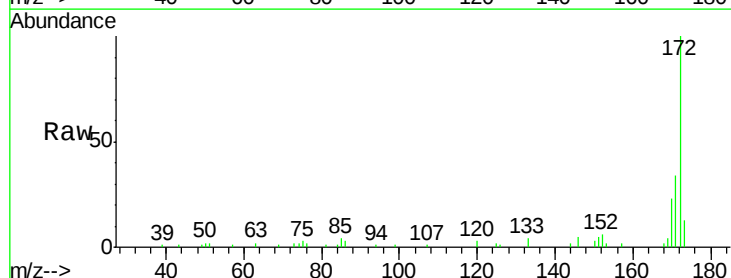


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

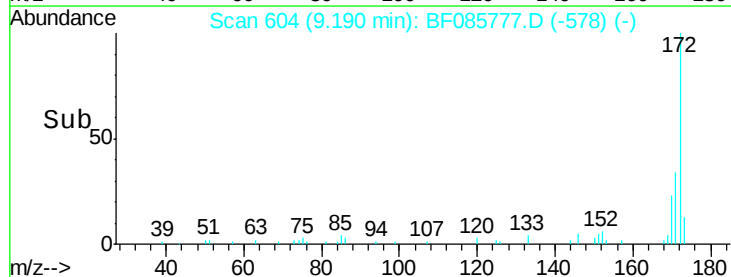
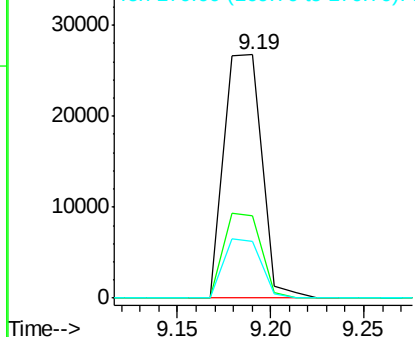


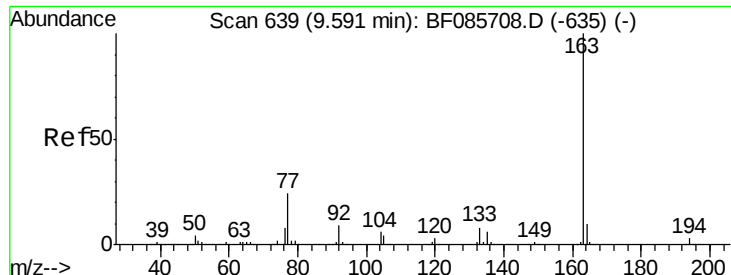
#44
 2-Fluorobiphenyl
 Concen: 3.28 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085777.D
 Acq: 25 Mar 2016 22:41

Tgt Ion:172 Resp: 37924
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.4 44.2
 170 23.3 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

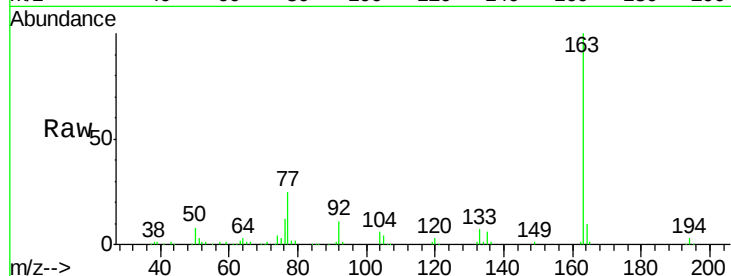




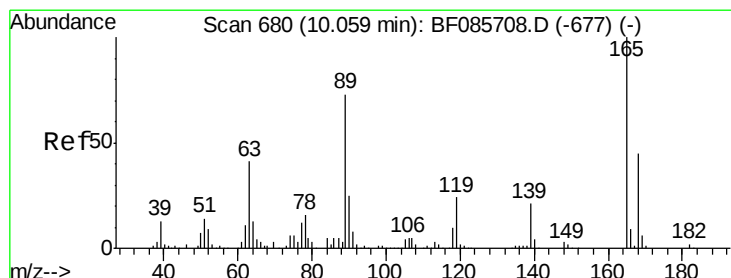
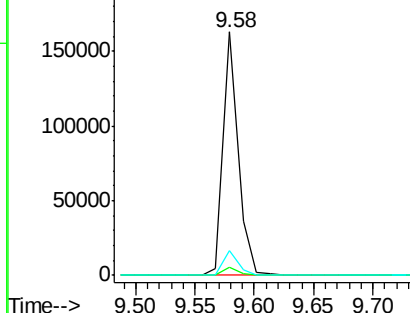
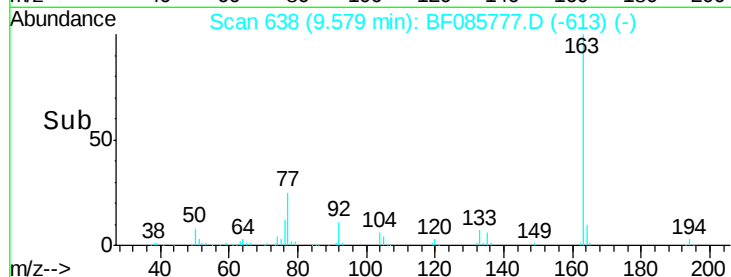
#49
Dimethylphthalate
Concen: 9.75 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085777.D
Acq: 25 Mar 2016 22:41

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SB-8

Tgt Ion:163 Resp: 142939
Ion Ratio Lower Upper
163 100
194 3.3 2.9 4.3
164 10.2 8.3 12.5

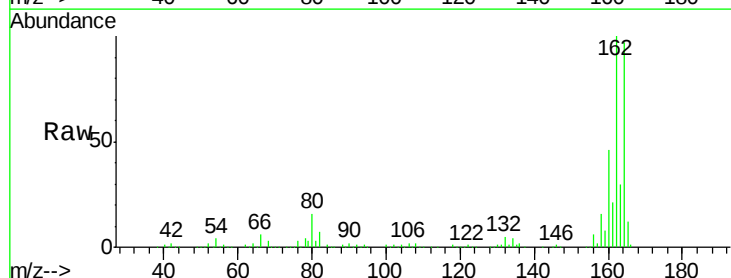


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

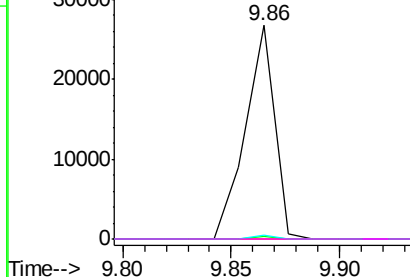
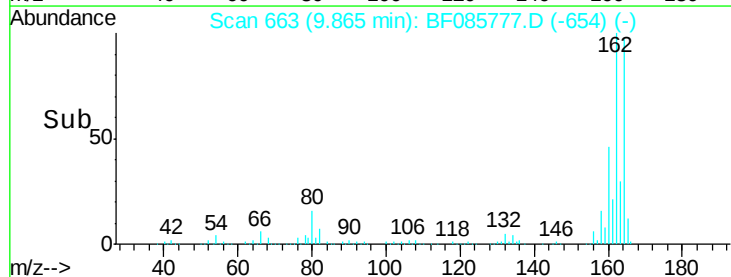


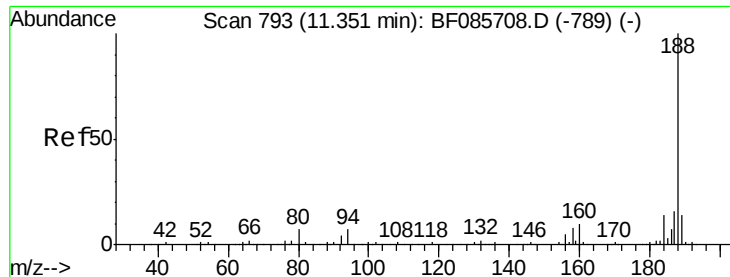
#56
2,4-Dinitrotoluene
Concen: 6.22 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.19 min
Lab File: BF085777.D
Acq: 25 Mar 2016 22:41

Tgt Ion:165 Resp: 24926
Ion Ratio Lower Upper
165 100
63 1.3 24.9 37.3#
89 1.7 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

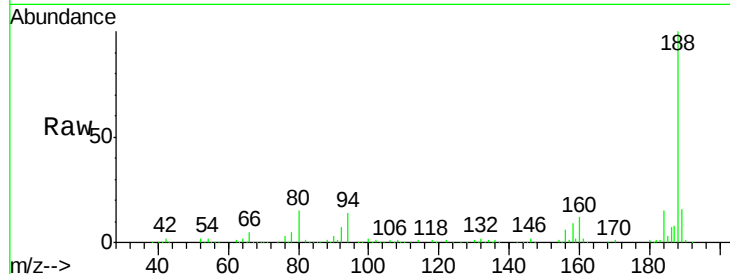




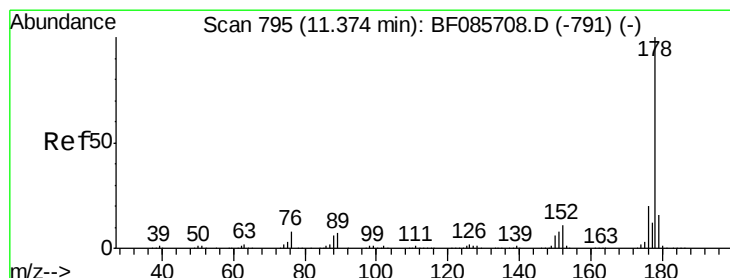
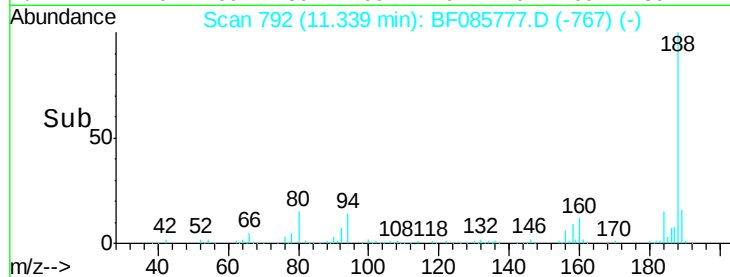
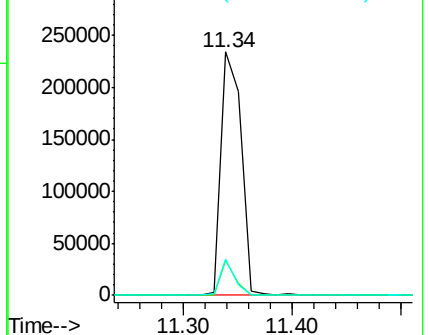
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085777.D
Acq: 25 Mar 2016 22:41

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Tgt Ion:188 Resp: 302553
Ion Ratio Lower Upper
188 100
94 14.2 5.4 8.0#
80 15.0 5.5 8.3#

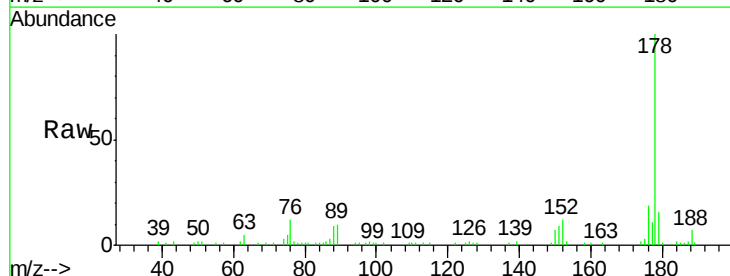


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

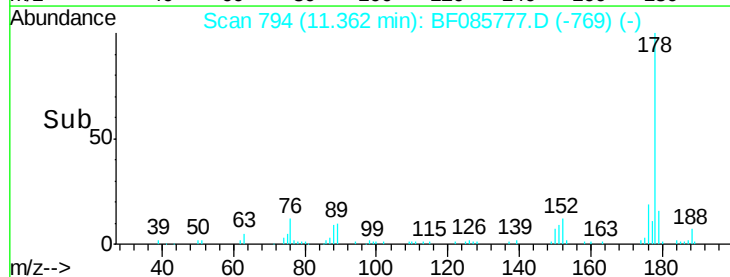
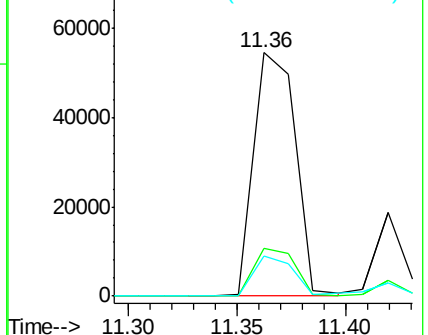


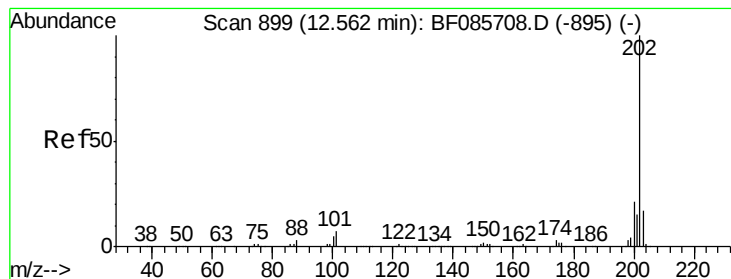
#70
Phenanthrene
Concen: 4.71 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF085777.D
Acq: 25 Mar 2016 22:41

Tgt Ion:178 Resp: 73153
Ion Ratio Lower Upper
178 100
176 19.4 16.3 24.5
179 16.4 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: 10.71 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085777.D

Acq: 25 Mar 2016 22:41

Instrument :

BNA_F

ClientSampleId :

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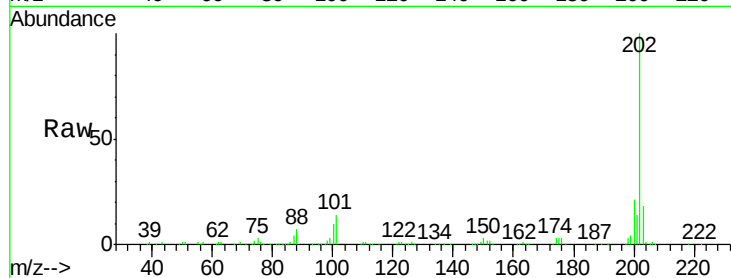
Tgt Ion:202 Resp: 176924

Ion Ratio Lower Upper

202 100

101 14.3 0.0 36.6

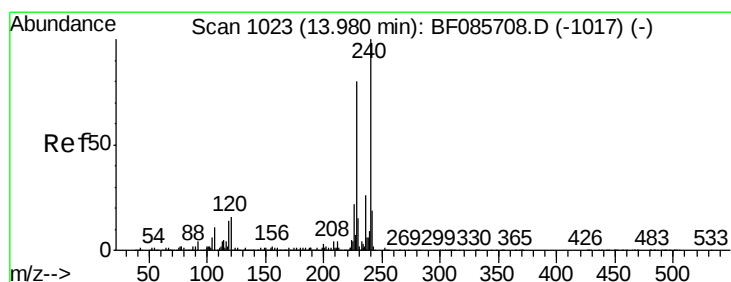
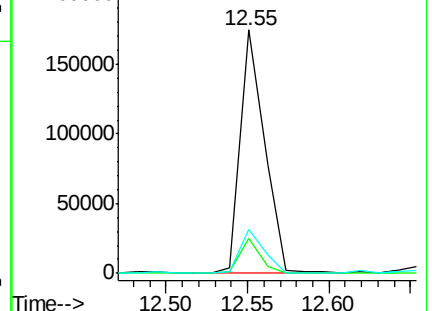
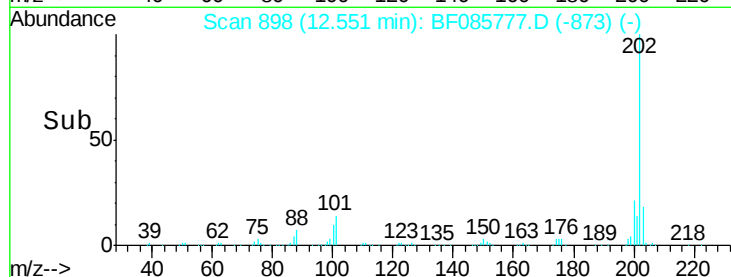
203 18.3 0.0 38.1



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. -0.00 min

Lab File: BF085777.D

Acq: 25 Mar 2016 22:41

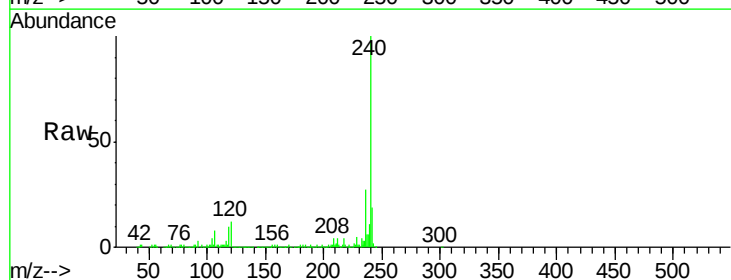
Tgt Ion:240 Resp: 286164

Ion Ratio Lower Upper

240 100

120 11.7 13.8 20.8#

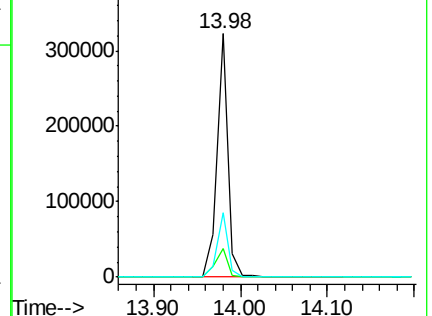
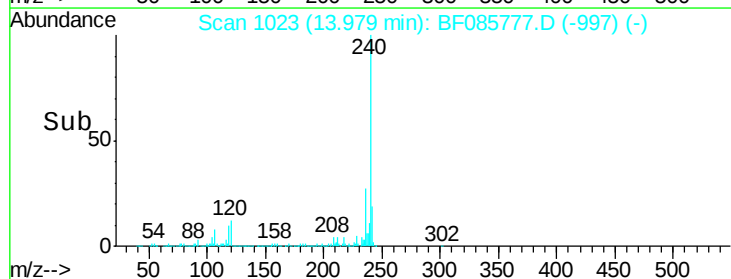
236 26.5 20.6 30.8

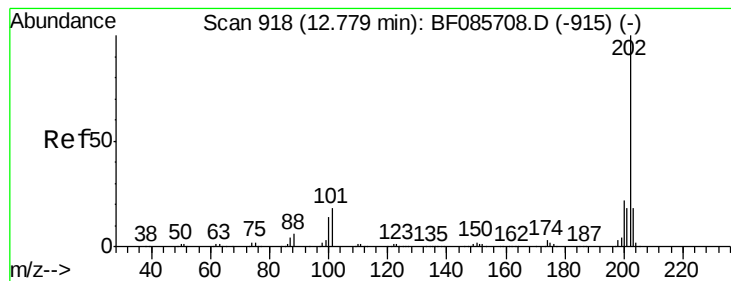


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.38 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085777.D

Acq: 25 Mar 2016 22:41

Instrument :

BNA_F

ClientSampleId :

SB-8

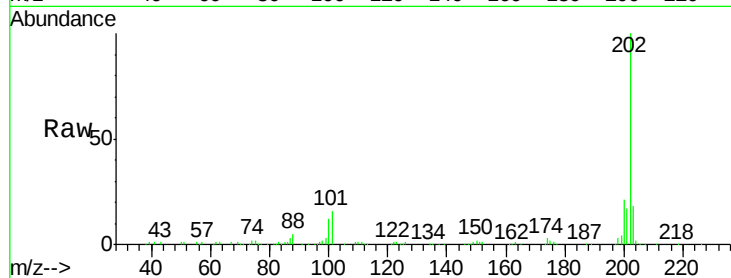
Tgt Ion:202 Resp: 173593

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

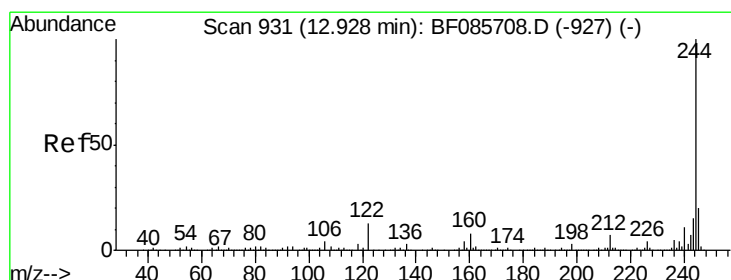
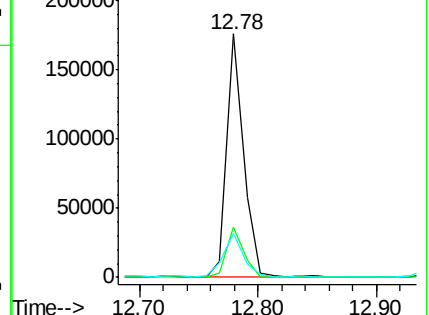
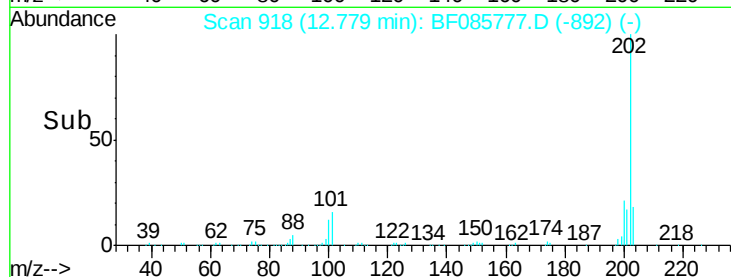
203 18.0 14.0 21.0



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: 2.03 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085777.D

Acq: 25 Mar 2016 22:41

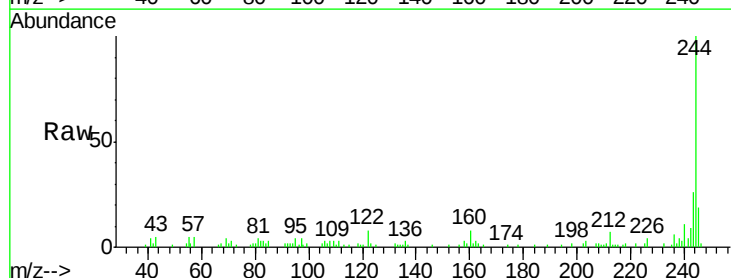
Tgt Ion:244 Resp: 28266

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

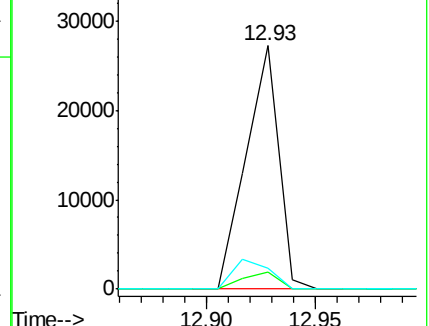
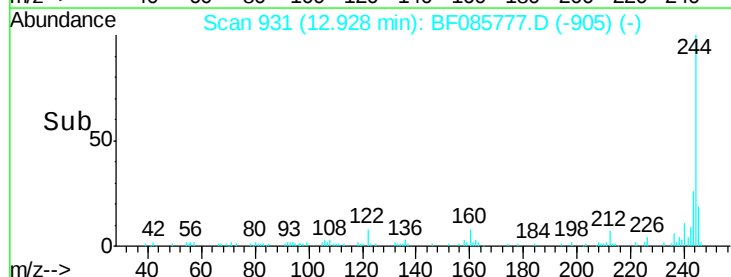
122 8.3 10.2 15.4

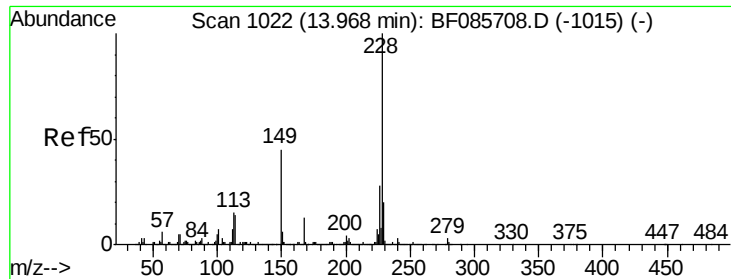


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.58 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF085777.D

Acq: 25 Mar 2016 22:41

Instrument :

BNA_F

ClientSampleId :

SB-8

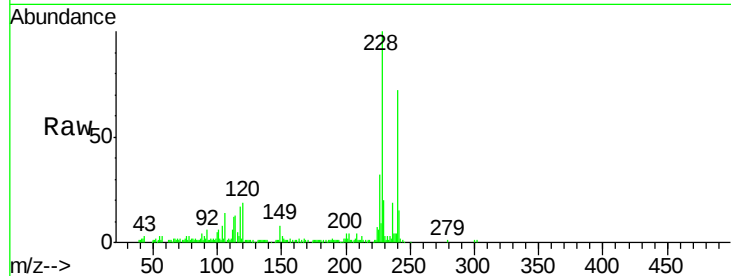
Tgt Ion:228 Resp: 74677

Ion Ratio Lower Upper

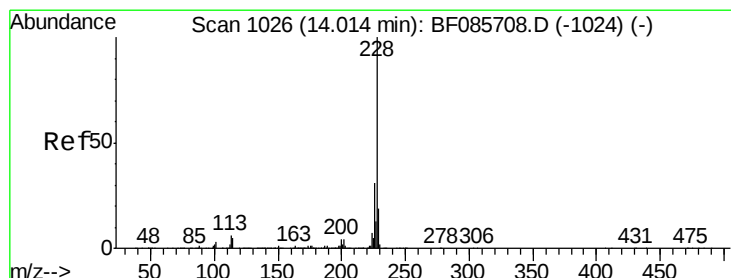
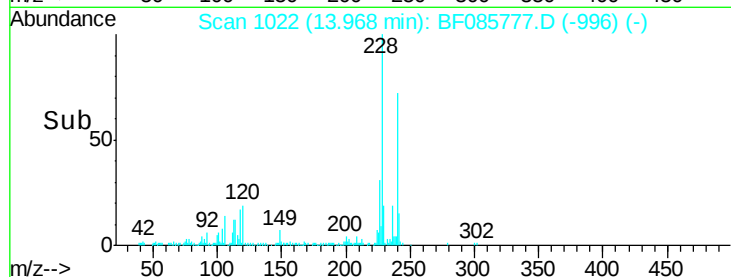
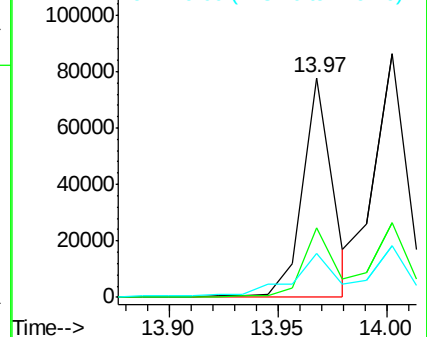
228 100

226 31.6 22.1 33.1

229 19.8 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: 4.42 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085777.D

Acq: 25 Mar 2016 22:41

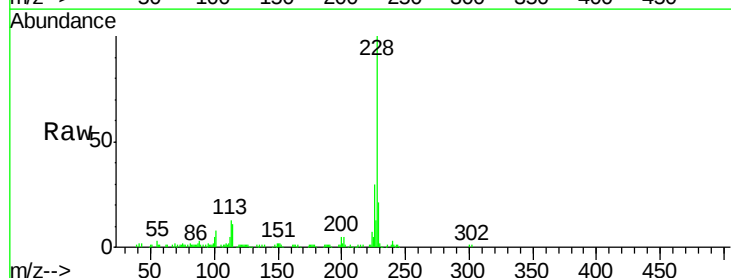
Tgt Ion:228 Resp: 72653

Ion Ratio Lower Upper

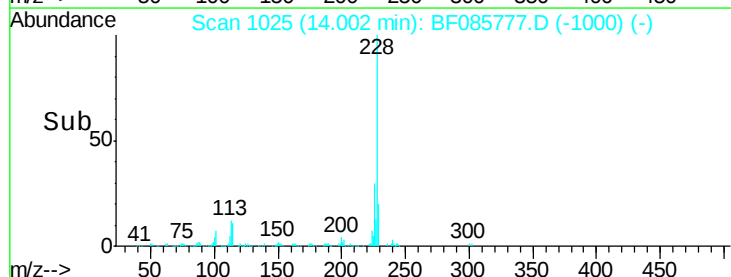
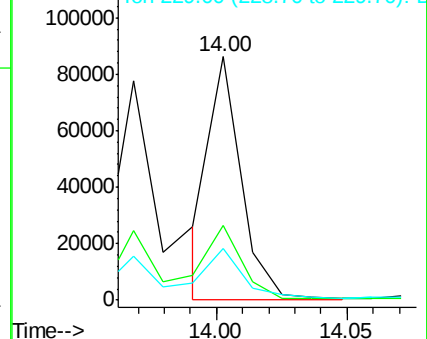
228 100

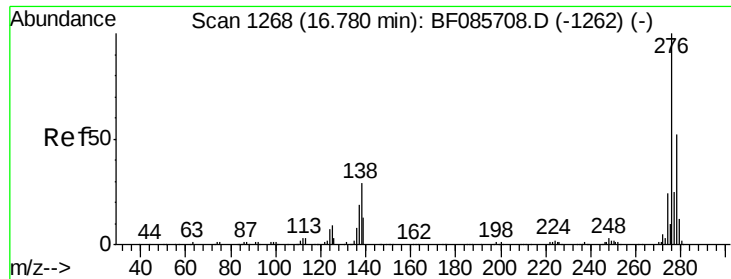
226 30.5 25.0 37.6

229 21.0 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

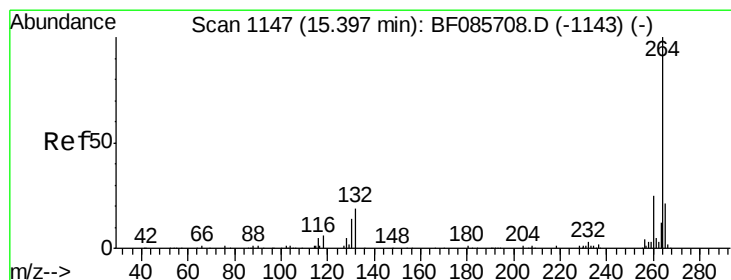
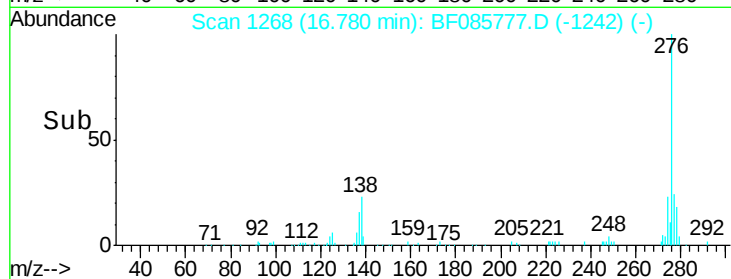
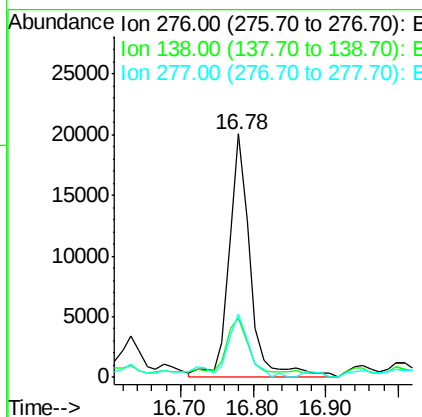
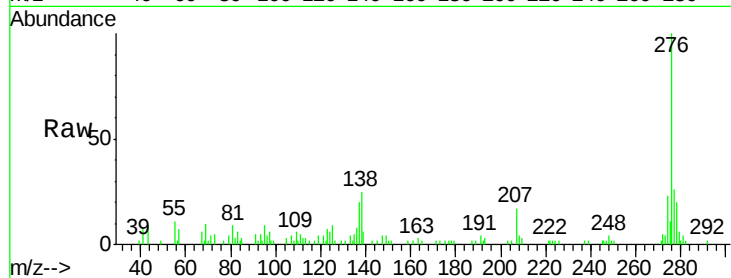




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.21 ng
 RT: 16.78 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF085777.D
 Acq: 25 Mar 2016 22:41

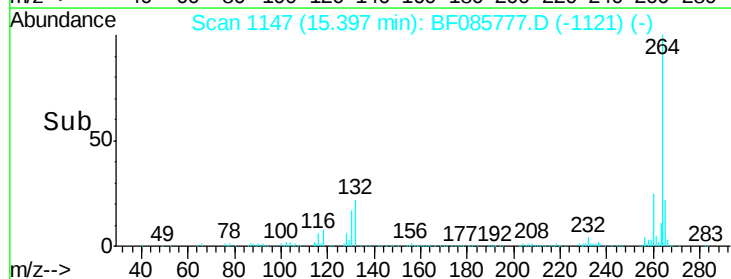
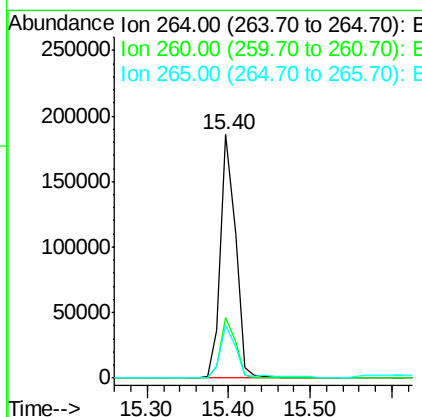
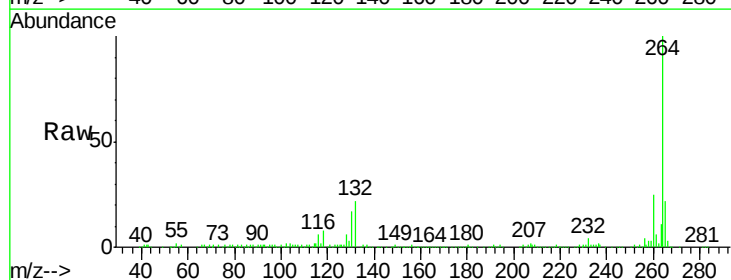
Instrument :
 BNA_F
 ClientSampleId :
 SB-8

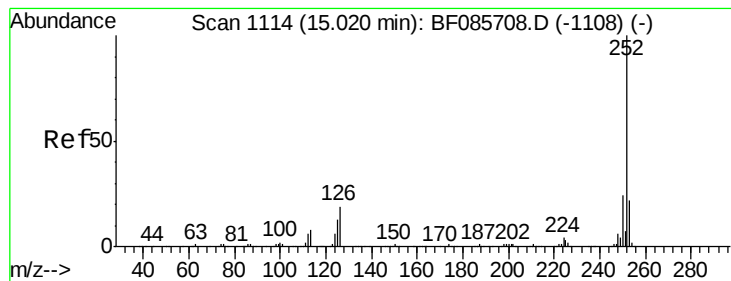
Tgt Ion:276 Resp: 40750
 Ion Ratio Lower Upper
 276 100
 138 23.2 24.2 36.4#
 277 24.9 20.0 30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085777.D
 Acq: 25 Mar 2016 22:41

Tgt Ion:264 Resp: 239945
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.4 29.2
 265 21.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 9.40 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BF085777.D

Acq: 25 Mar 2016 22:41

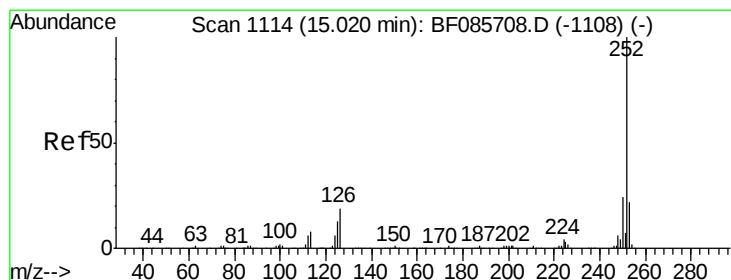
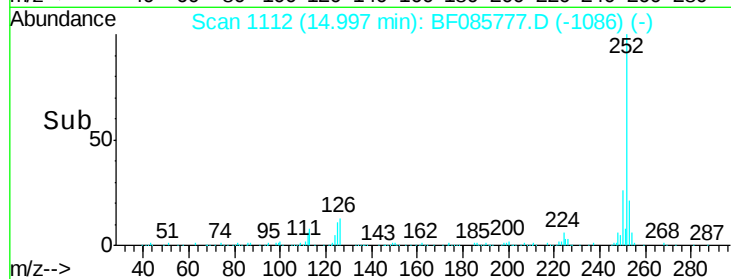
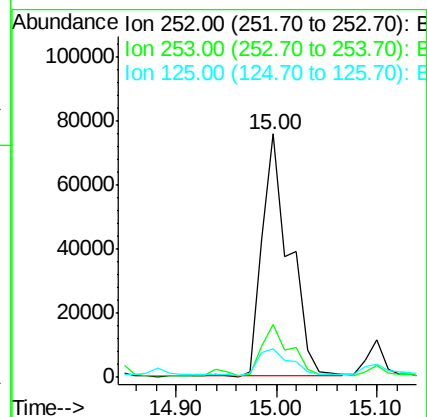
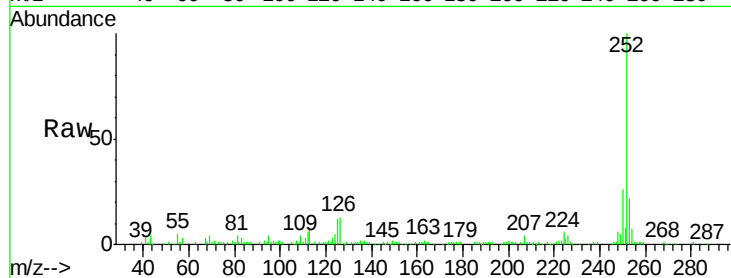
Instrument :

BNA_F

ClientSampleId :

SB-8

Tgt Ion:	252	Resp:	142121
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.8	10.3	15.5



#88

Benzo(k)fluoranthene

Concen: 10.43 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.02 min

Lab File: BF085777.D

Acq: 25 Mar 2016 22:41

Tgt Ion:	252	Resp:	142121
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	11.8	7.7	11.5#

