

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032816\
 Data File : BF085846.D
 Acq On : 29 Mar 2016 12:11
 Operator : UM/SJ
 Sample : H1855-04DL 50X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 13:06:46 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

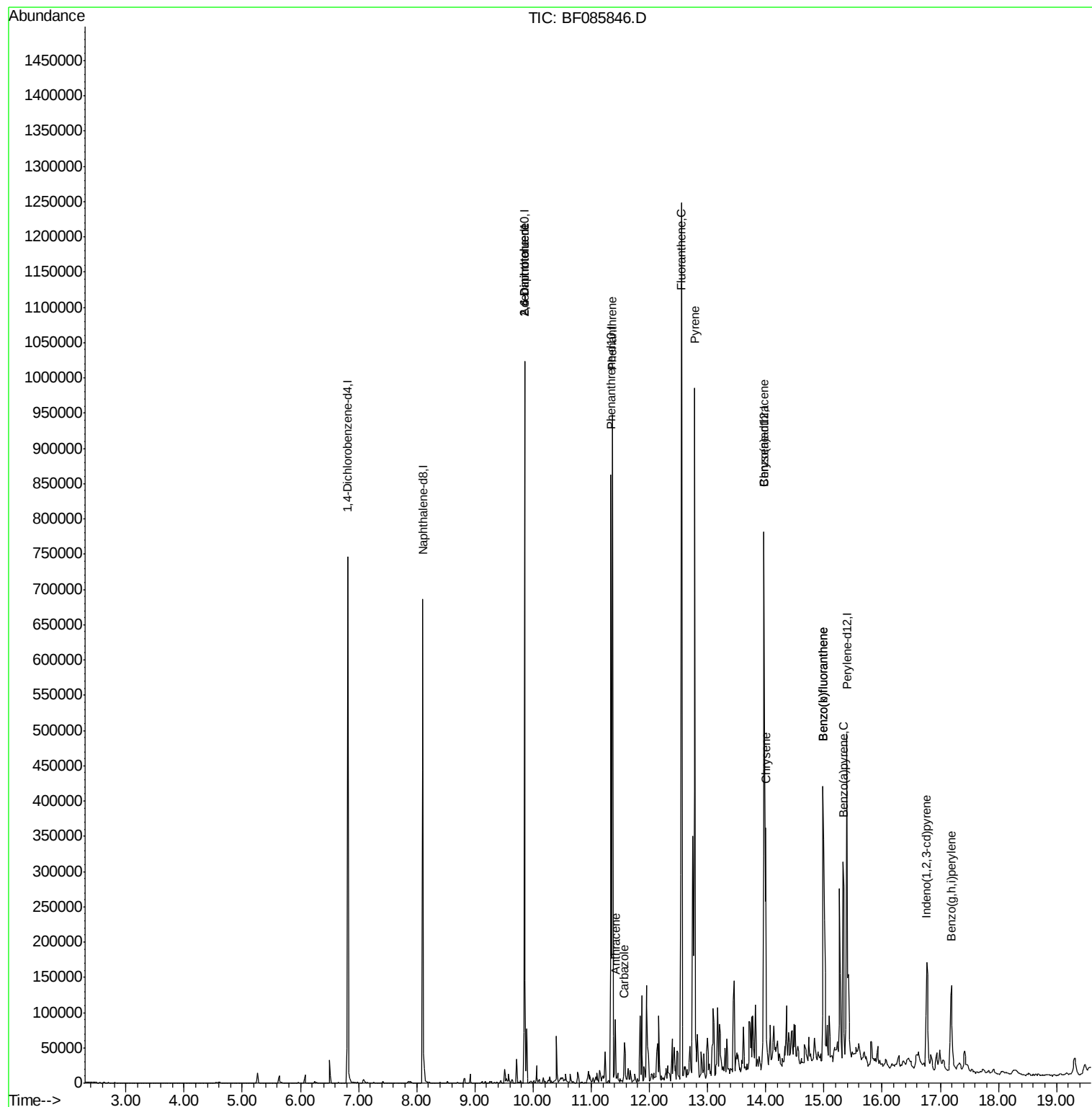
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	111271	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	416640	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	185065	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	306065	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	197255	20.00	ng	-0.01
86) Perylene-d12	15.40	264	230128	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.18	172	1564	0.14	ng	-0.01
78) Terphenyl-d14	12.92	244	1147	0.12	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.82	142	4186	Below Cal		Qvalue 96
50) 2,6-Dinitrotoluene	9.85	165	23936	7.92 ng	#	18
56) 2,4-Dinitrotoluene	9.85	165	23936	6.23 ng	#	36
70) Phenanthrene	11.36	178	332108	21.13 ng		99
71) Anthracene	11.42	178	59676	3.62 ng		98
72) Carbazole	11.57	167	28459	2.05 ng		98
74) Fluoranthene	12.55	202	476379	28.52 ng		93
77) Pyrene	12.78	202	417919	25.77 ng		99
80) Benzo(a)anthracene	13.97	228	166971	14.85 ng		95
82) Chrysene	14.00	228	147093	12.98 ng		98
85) Indeno(1,2,3-cd)pyrene	16.77	276	105923	12.11 ng		95
87) Benzo(b)fluoranthene	14.99	252	287747	19.85 ng		99
88) Benzo(k)fluoranthene	14.99	252	287747	22.02 ng	#	96
89) Benzo(a)pyrene	15.33	252	154131	11.97 ng	#	95
91) Benzo(a,h,i)perylene	17.19	276	98375	8.12 ng		94

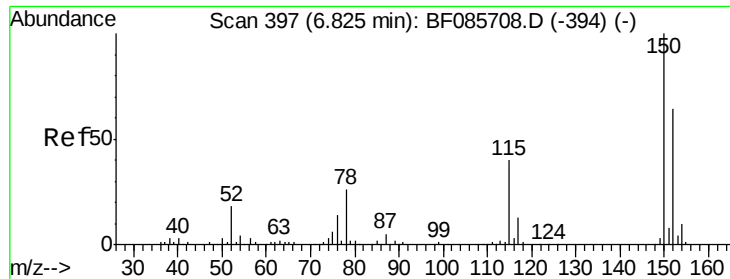
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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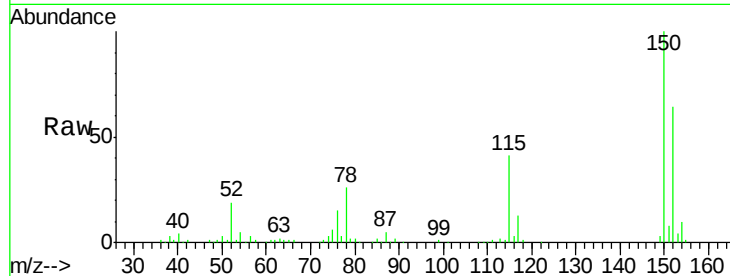


#1

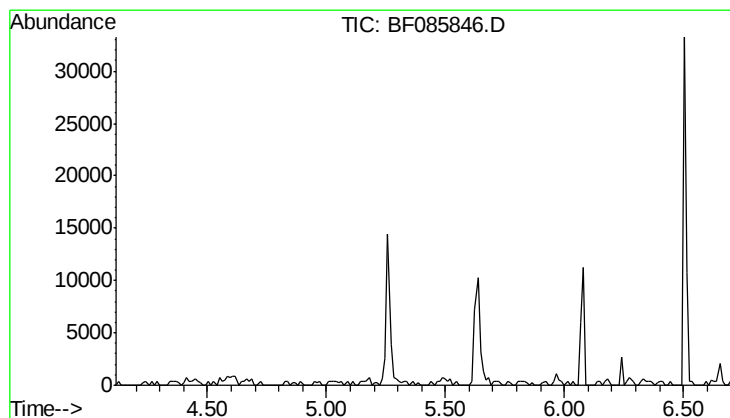
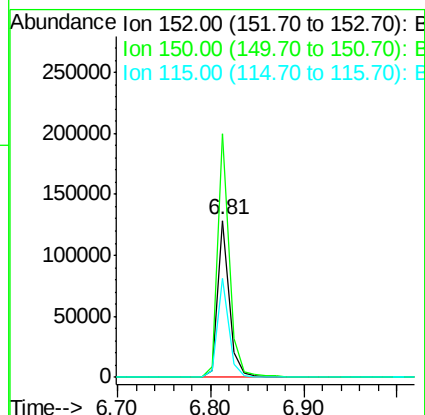
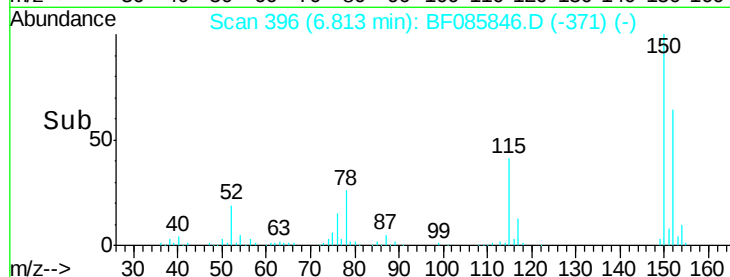
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 111271
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.2 186.2
 115 63.3 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

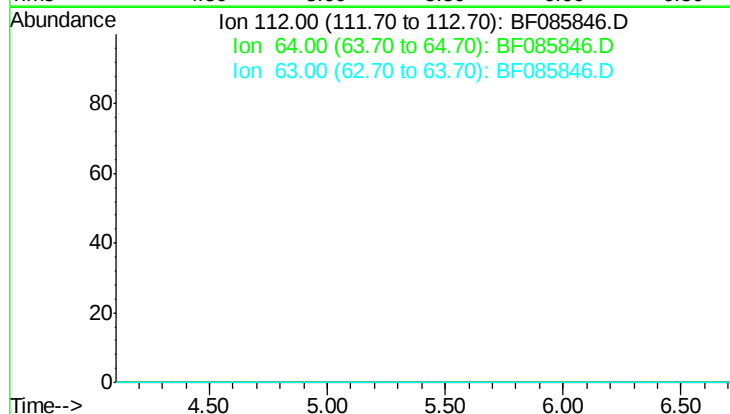


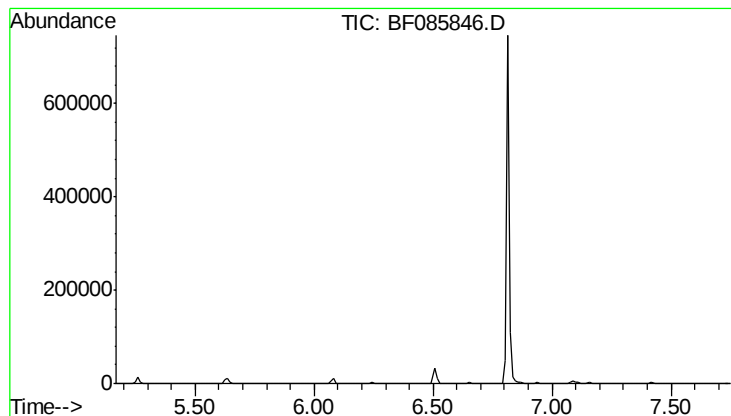
#5

2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.41 min

Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 49.9
 63 25.2





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.46 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

Instrument :

BNA_F

ClientSampleId :

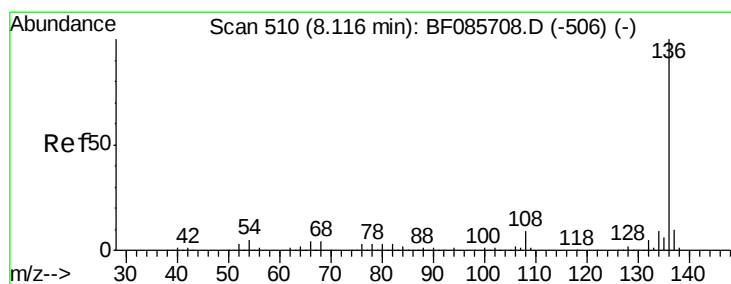
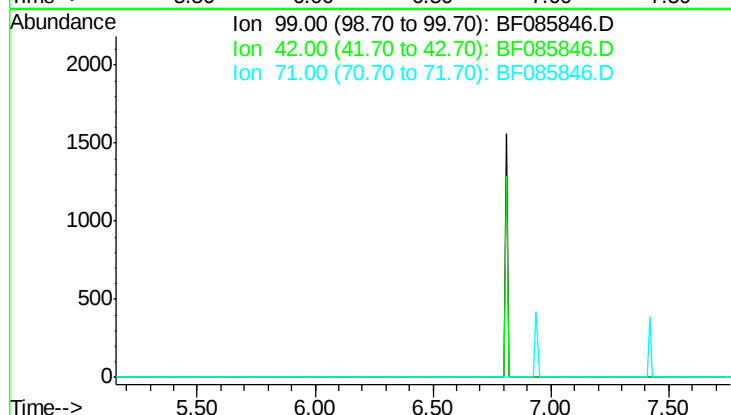
Tot Ion: 99

Sig Exp Ratio

99 100

42 13.9

71 31.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

Tgt Ion:136 Resp: 416640

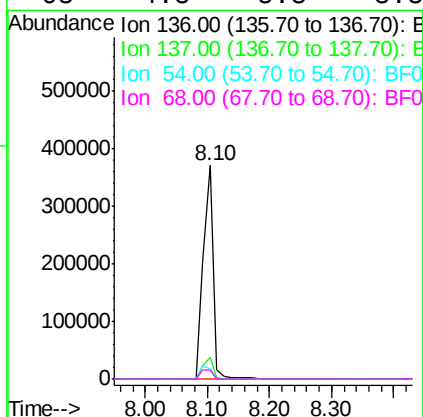
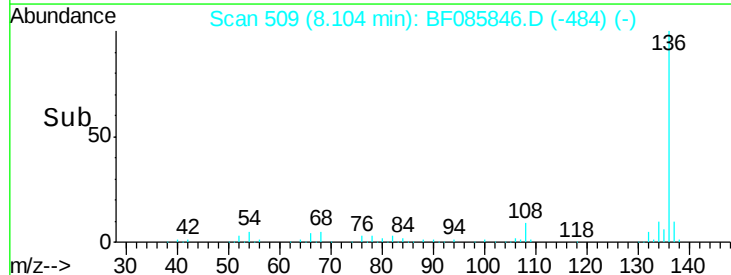
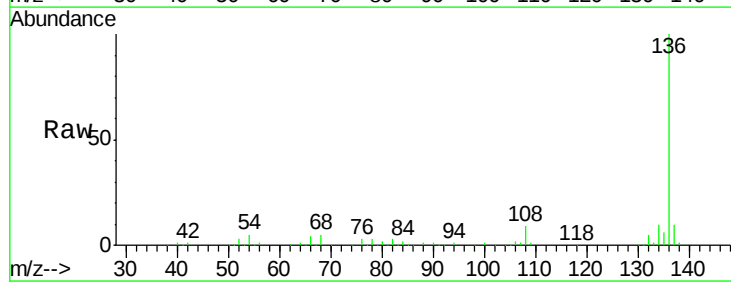
Ion Ratio Lower Upper

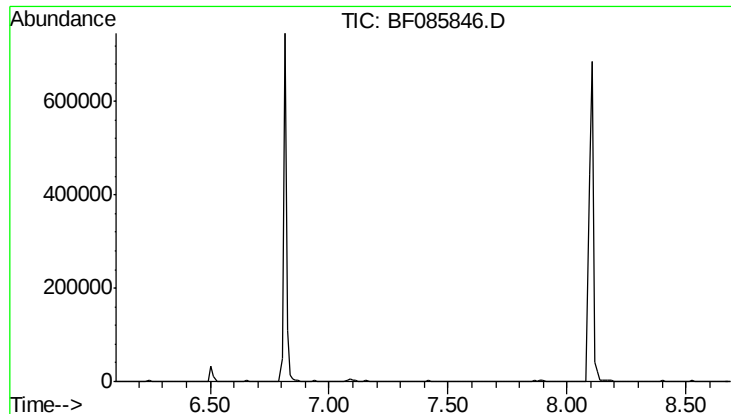
136 100

137 10.4 9.1 13.7

54 4.8 7.4 11.0#

68 4.5 5.8 8.8#

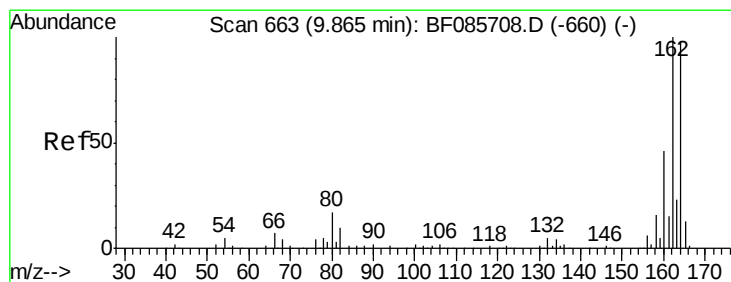
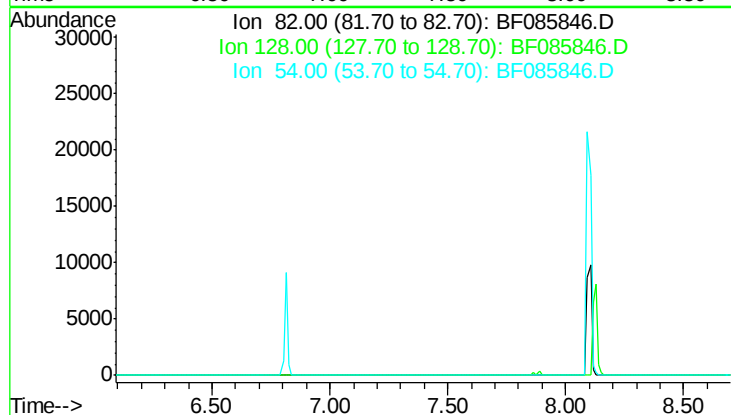




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.40 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

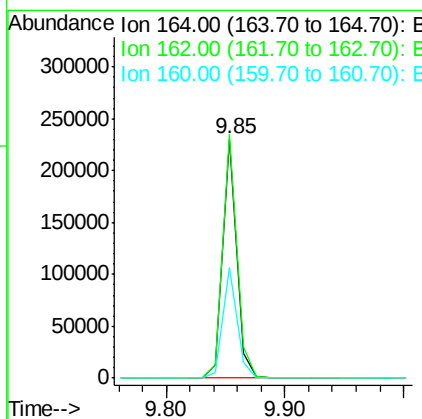
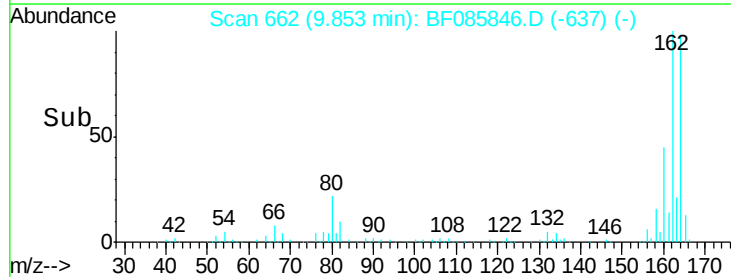
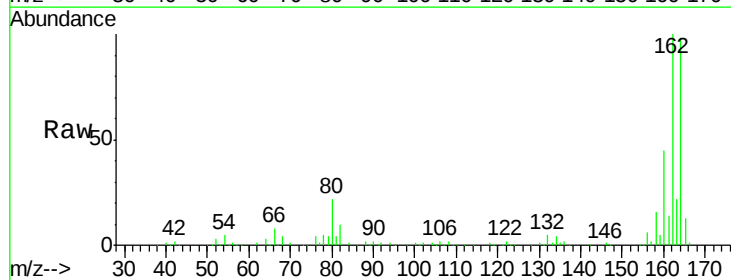
Instrument :
 BNA_F
 ClientSampleId :

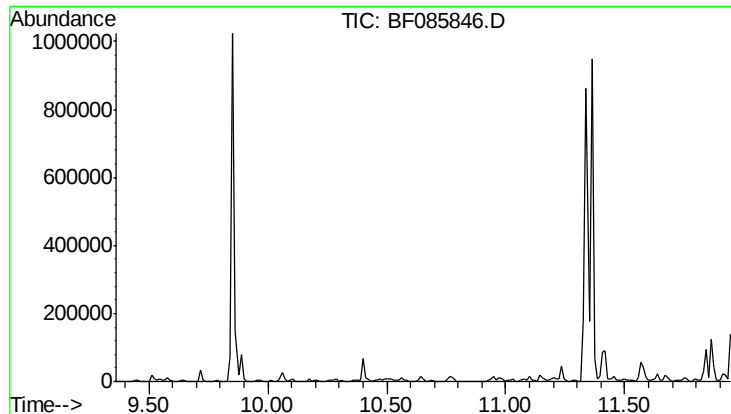
Tot Ion	82
Sig	Exp Ratio
82	100
128	52.3
54	41.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Tgt Ion	164	Resp	185065
Ion Ratio	Lower	Upper	
164	100		
162	102.1	82.1	123.1
160	46.3	37.4	56.2

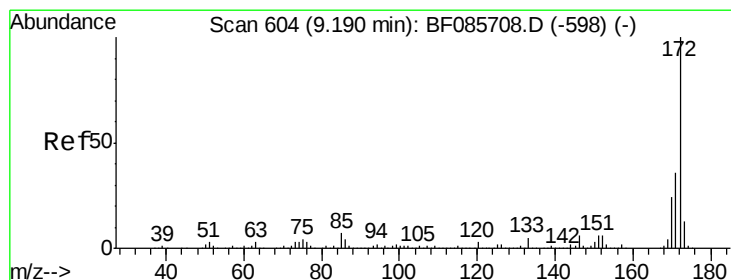
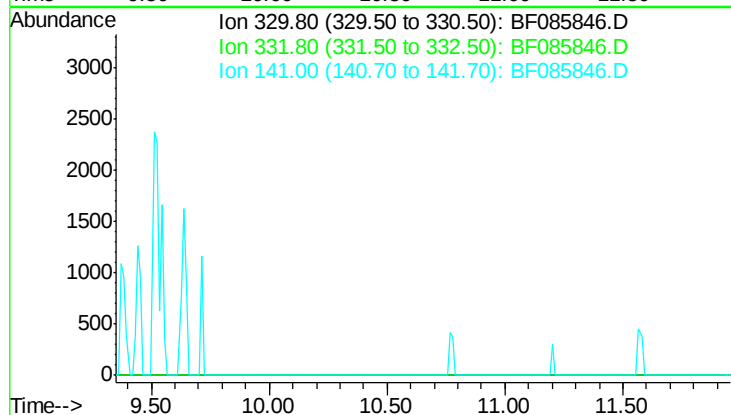




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.65 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

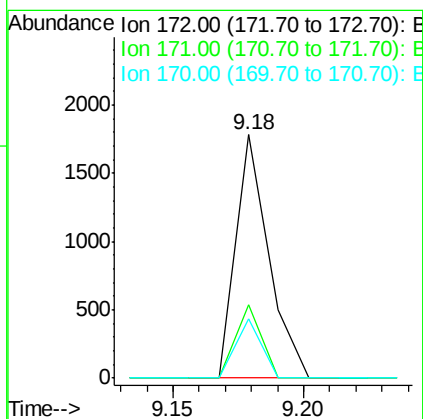
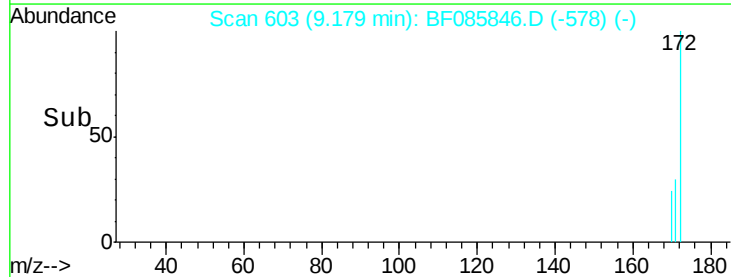
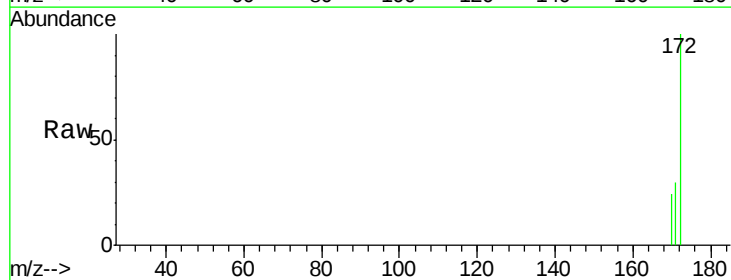
Instrument :
 BNA_F
 ClientSampleId :

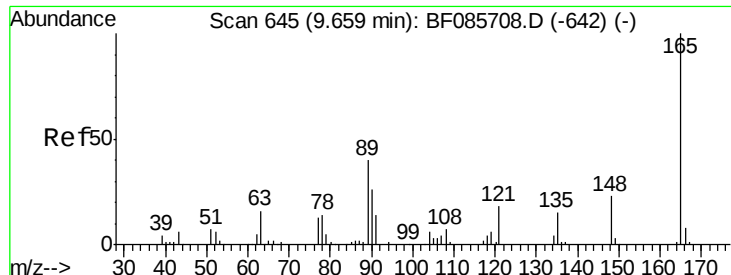
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 97.7
 141 39.4



#44
 2-Fluorobiphenyl
 Concen: 0.14 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Tgt Ion:172 Resp: 1564
 Ion Ratio Lower Upper
 172 100
 171 30.2 29.4 44.2
 170 24.2 19.8 29.6

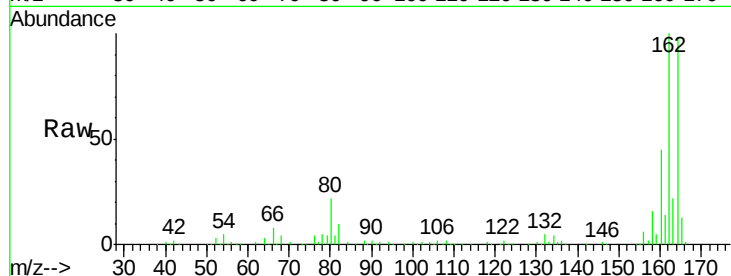




#50
 2,6-Dinitrotoluene
 Concen: 7.92 ng
 RT: 9.85 min Scan# 662
 Delta R.T. 0.19 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Instrument :
 BNA_F
 ClientSampleId :

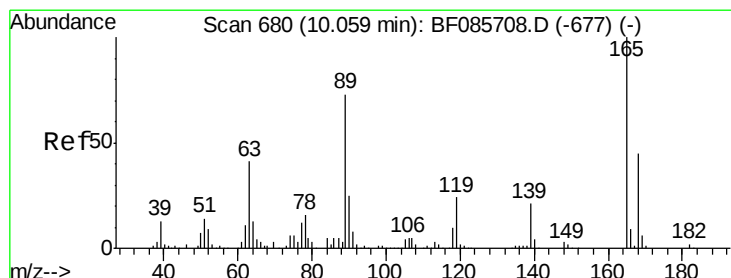
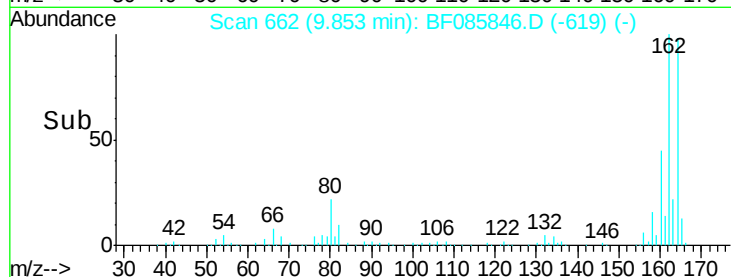
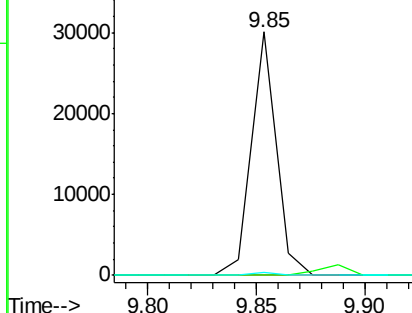
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.8#
89	1.4	53.7	80.5#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.23 ng
 RT: 9.85 min Scan# 662
 Delta R.T. -0.21 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

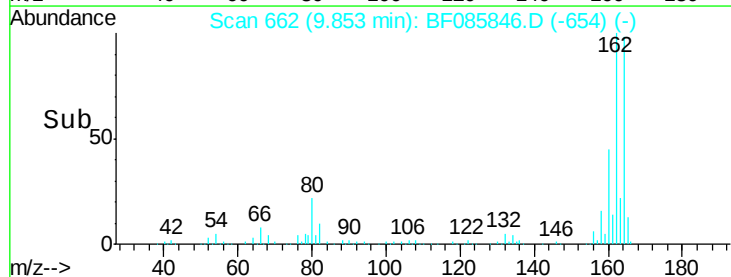
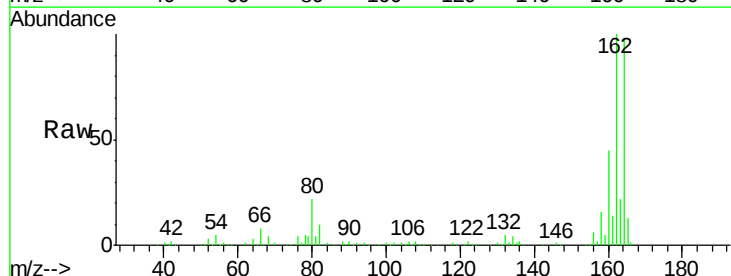
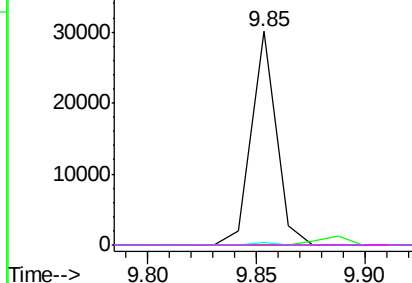
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	24.9	37.3#
89	1.4	41.0	61.6#
182	0.0	2.1	3.1#

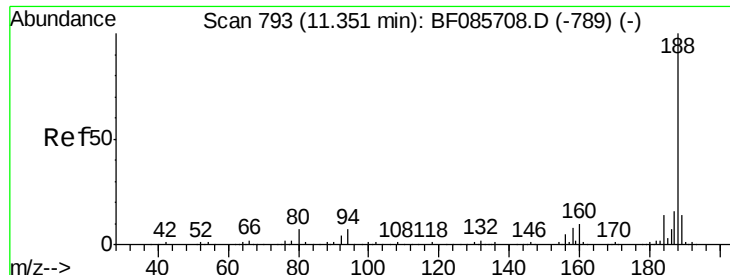
Abundance Ion 165.00 (164.70 to 165.70): E

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

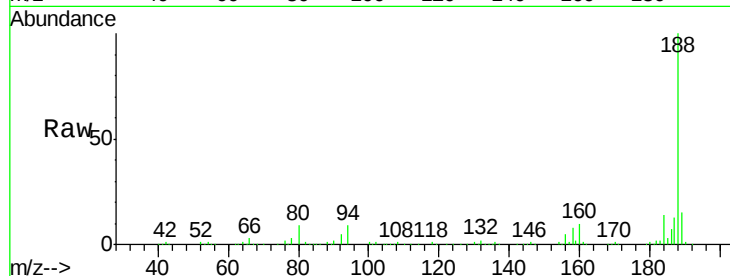




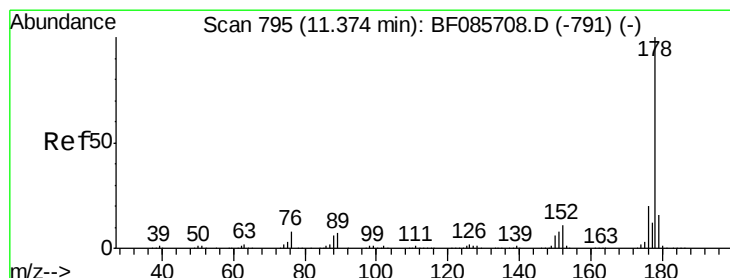
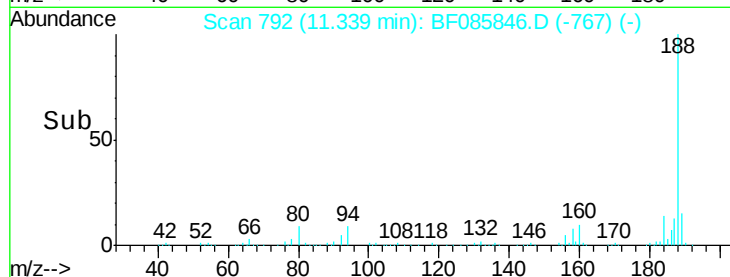
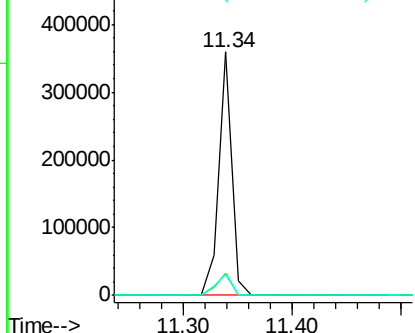
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.9	5.4	8.0#
80	8.7	5.5	8.3#

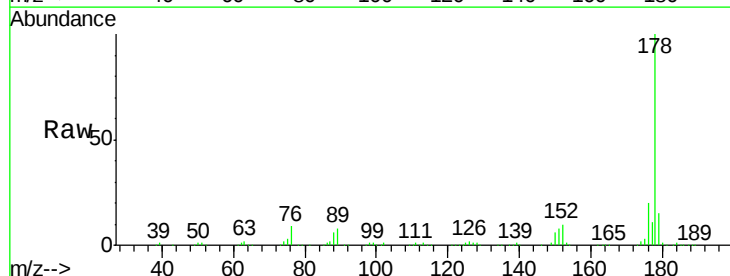


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

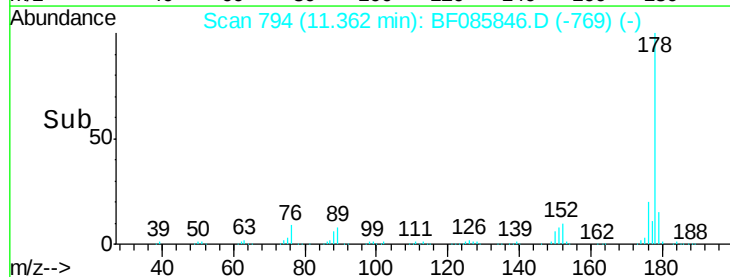
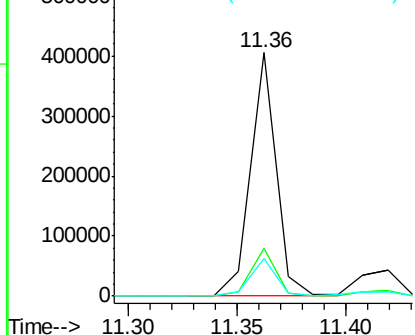


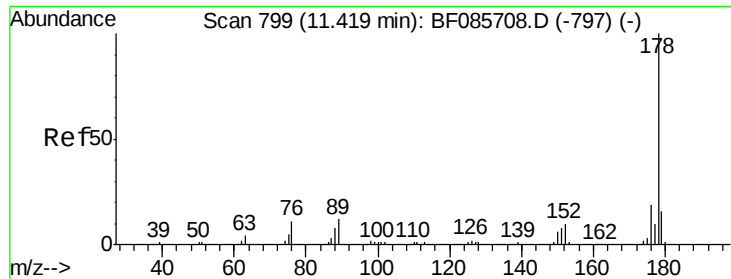
#70
 Phenanthrene
 Concen: 21.13 ng
 RT: 11.36 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.3	24.5
179	15.4	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

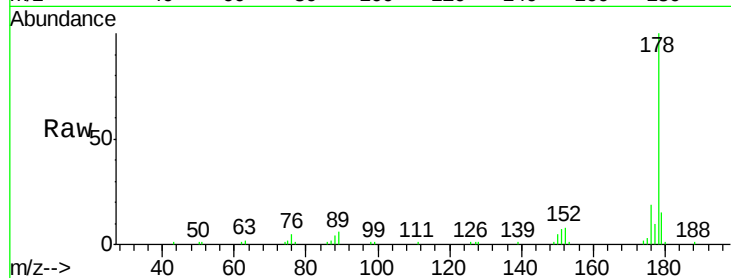




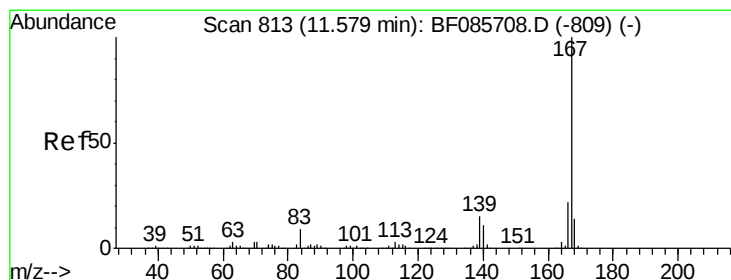
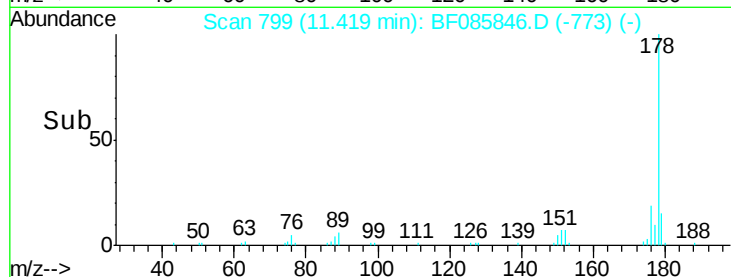
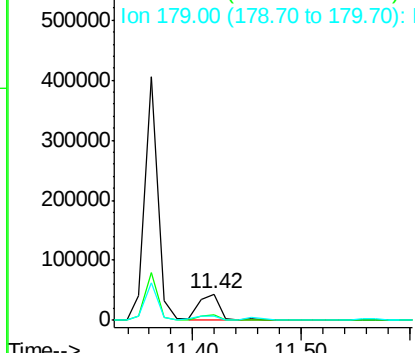
#71
 Anthracene
 Concen: 3.62 ng
 RT: 11.42 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 59676
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.9 23.9
 179 15.2 13.0 19.4

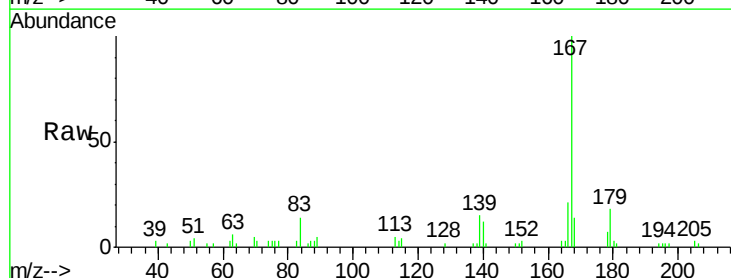


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

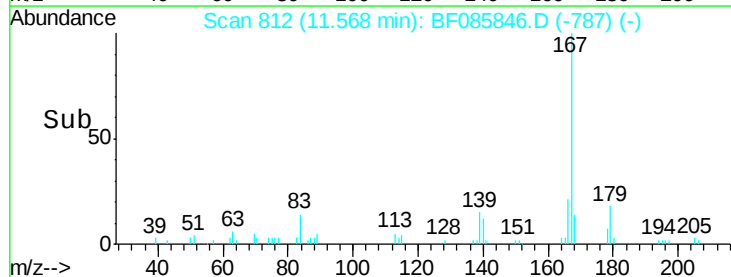
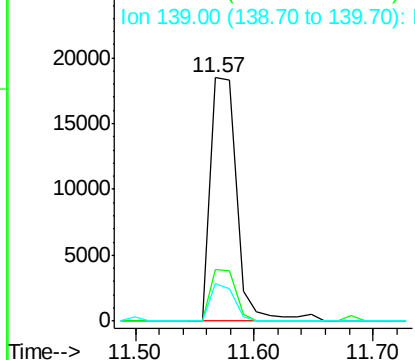


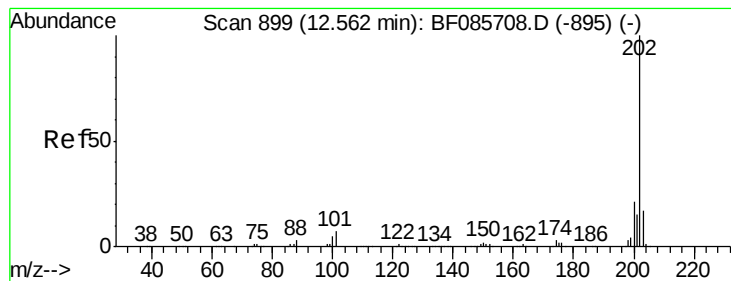
#72
 Carbazole
 Concen: 2.05 ng
 RT: 11.57 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Tgt Ion:167 Resp: 28459
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.8 26.8
 139 15.3 11.6 17.4



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 28.52 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

Instrument :

BNA_F

ClientSampleId :

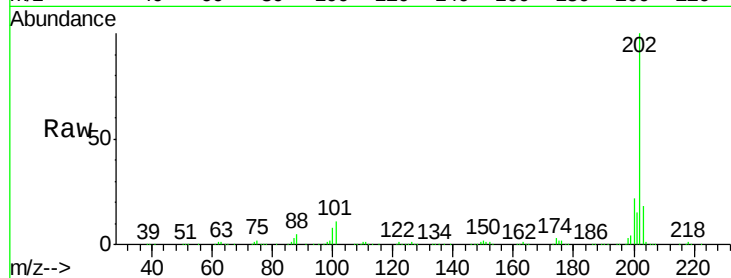
Tot Ion:202 Resp: 476379

Ion Ratio Lower Upper

202 100

101 11.1 0.0 36.6

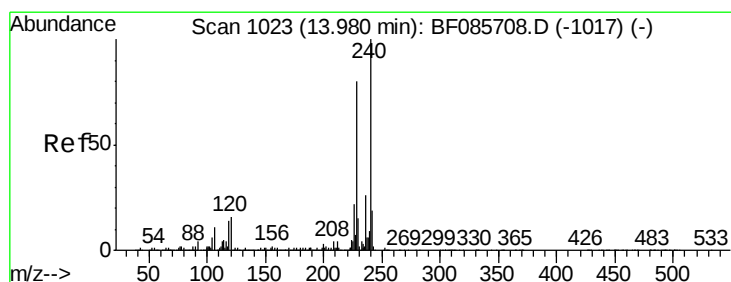
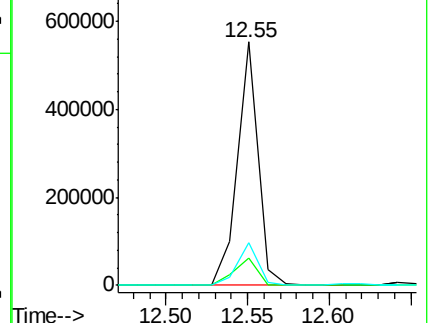
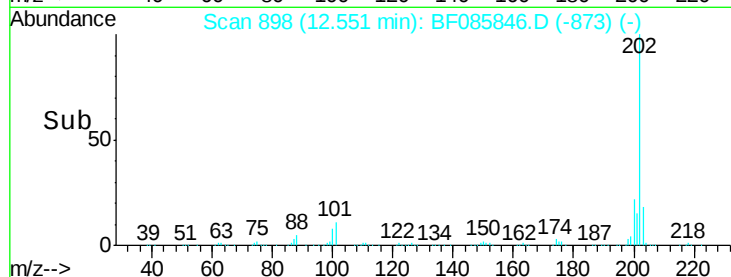
203 17.7 0.0 38.1



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: BF085846.D

Acq: 29 Mar 2016 12:11

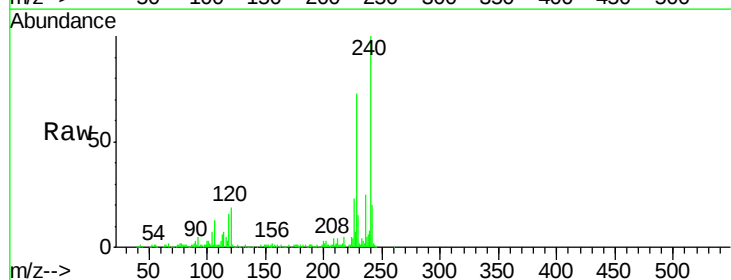
Tgt Ion:240 Resp: 197255

Ion Ratio Lower Upper

240 100

120 19.1 13.8 20.8

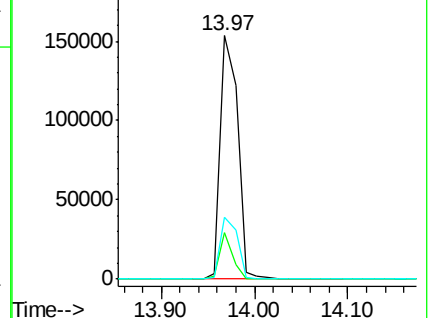
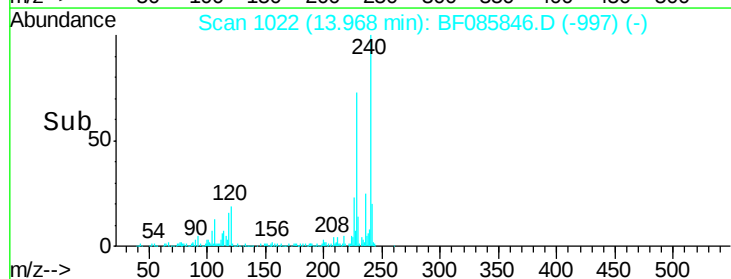
236 25.3 20.6 30.8

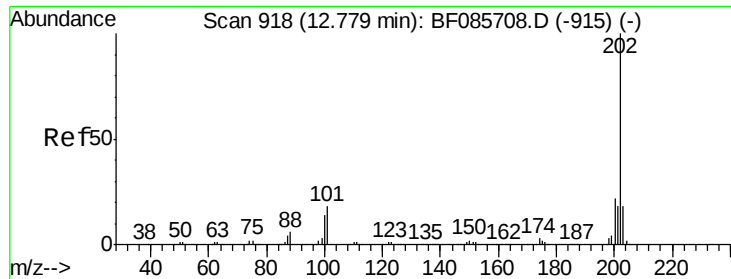


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 25.77 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

Instrument :
BNA_F
ClientSampleId :

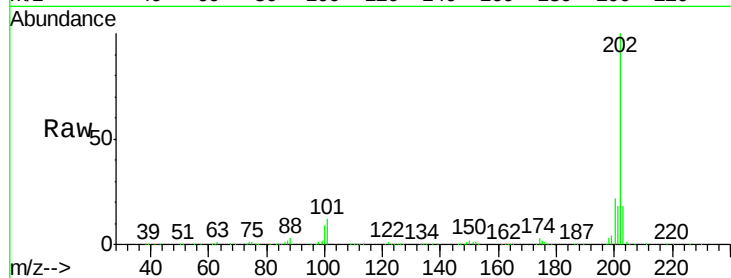
Tot Ion:202 Resp: 417919

Ion Ratio Lower Upper

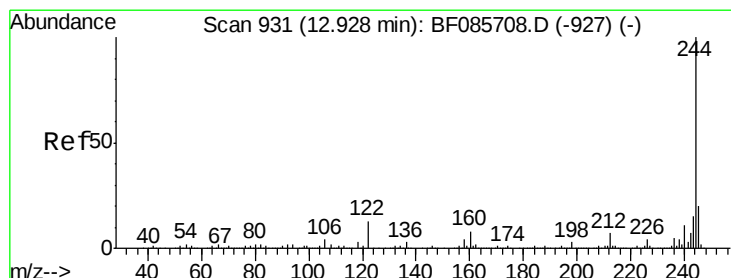
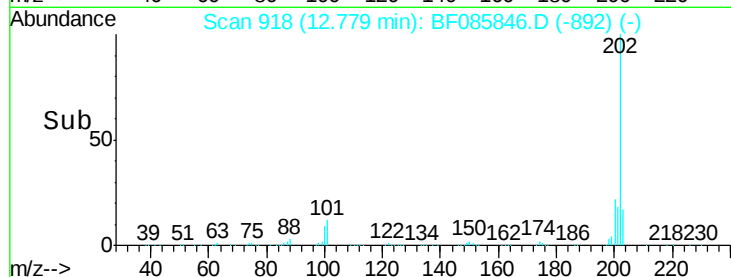
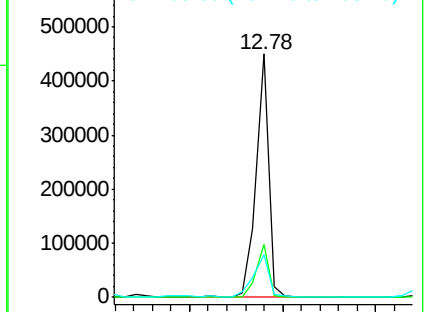
202 100

200 21.6 17.6 26.4

203 17.7 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: 0.12 ng

RT: 12.92 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

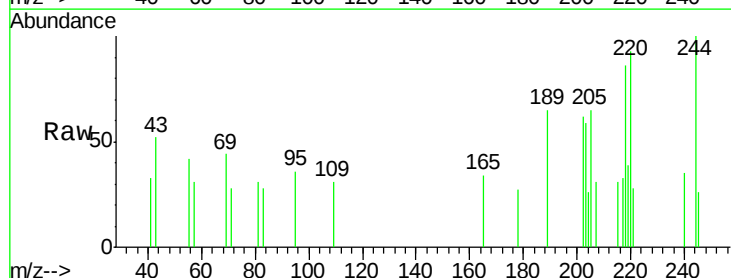
Tgt Ion:244 Resp: 1147

Ion Ratio Lower Upper

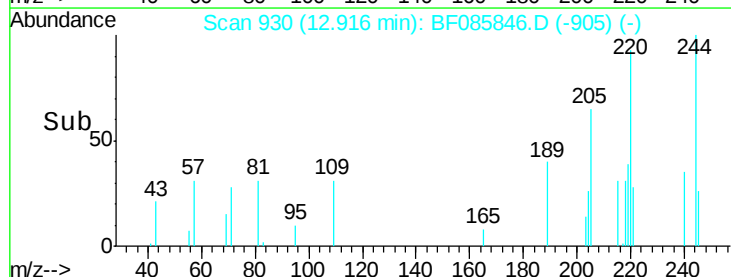
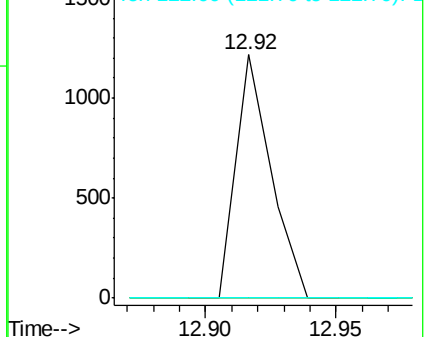
244 100

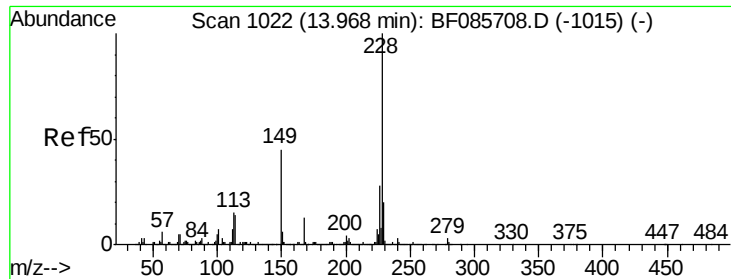
212 0.0 6.1 9.1#

122 0.0 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

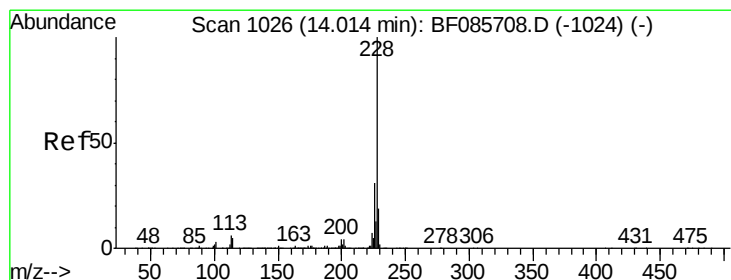
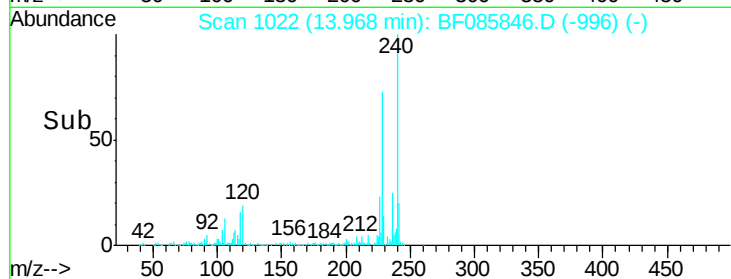
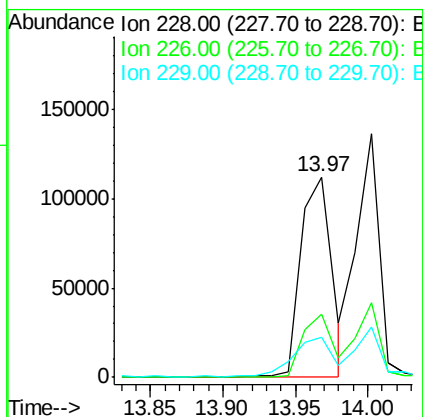
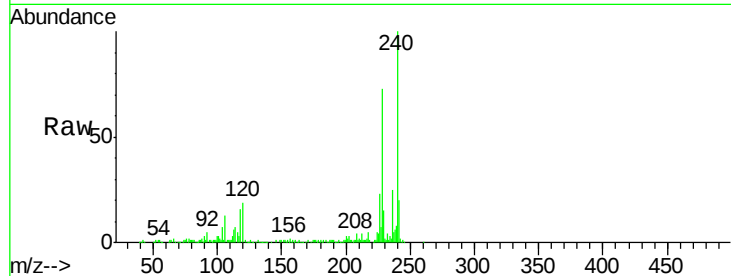




#80
Benzo(a)anthracene
Concen: 14.85 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

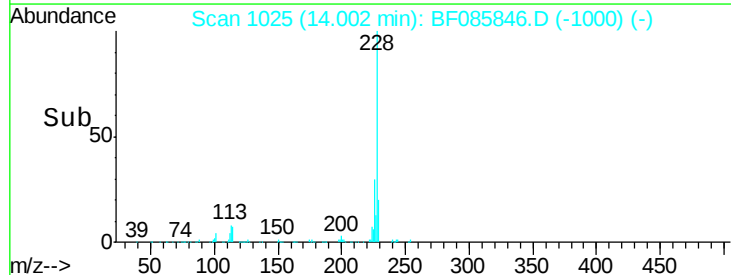
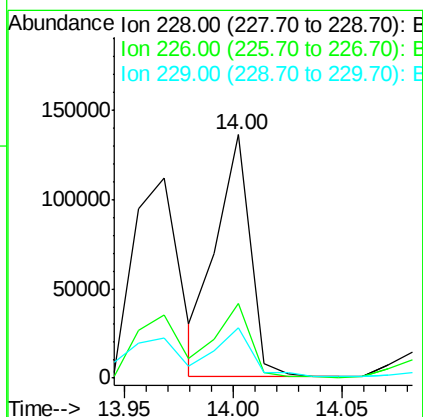
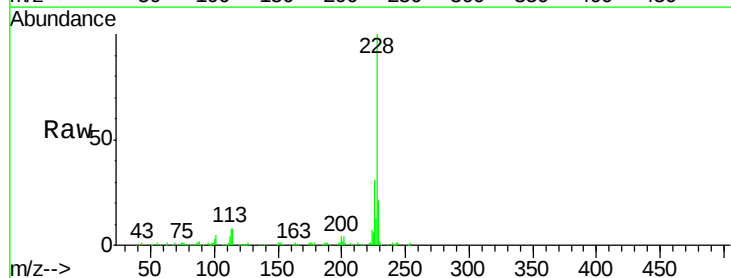
Instrument :
BNA_F
ClientSampleId :

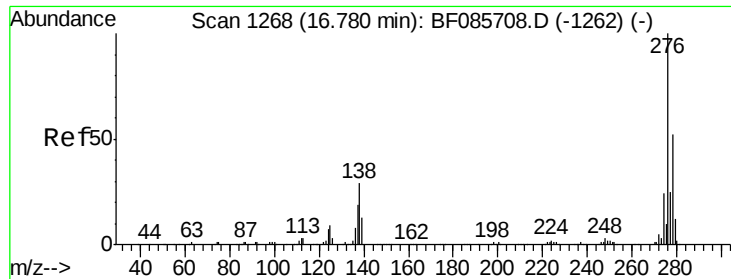
Tot Ion:228 Resp: 166971
Ion Ratio Lower Upper
228 100
226 31.6 22.1 33.1
229 20.1 16.2 24.4



#82
Chrysene
Concen: 12.98 ng
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Tgt Ion:228 Resp: 147093
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 20.9 15.7 23.5

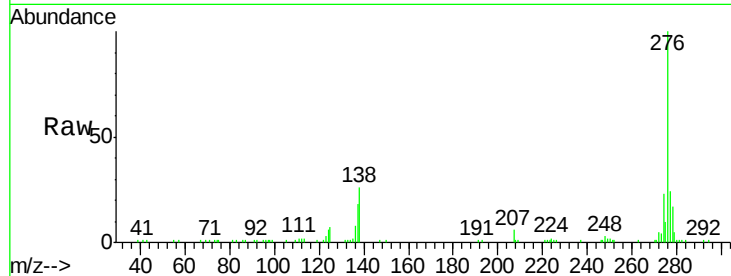




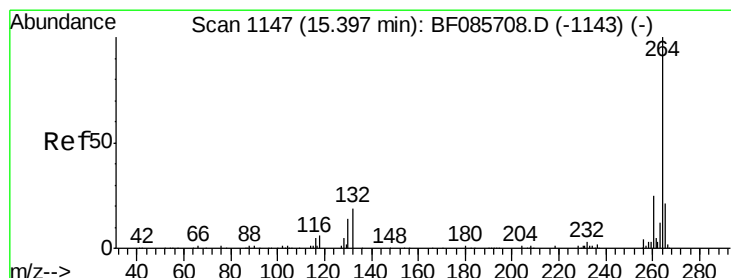
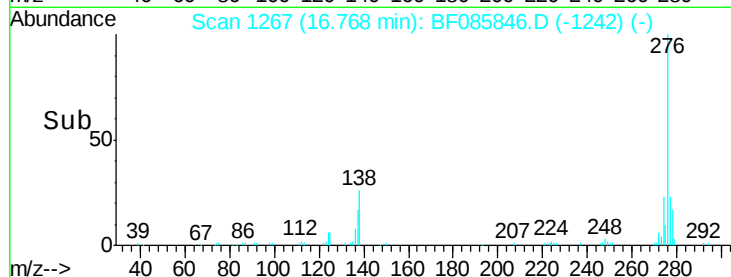
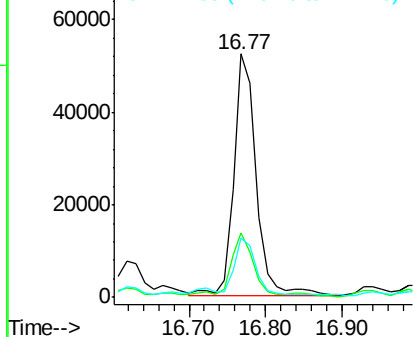
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.11 ng
 RT: 16.77 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.0	24.2	36.4
277	25.9	20.0	30.0

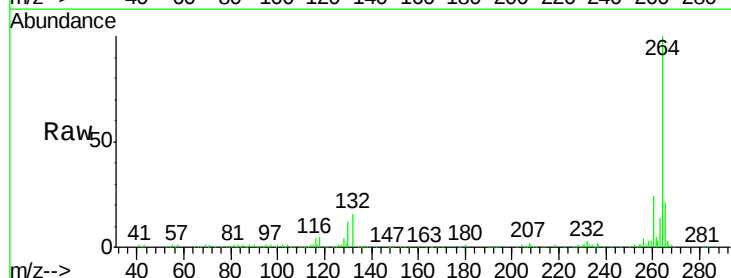


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

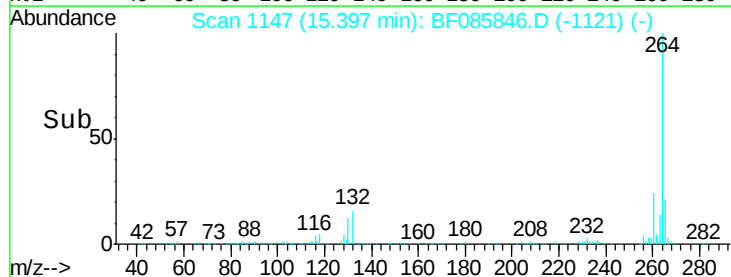
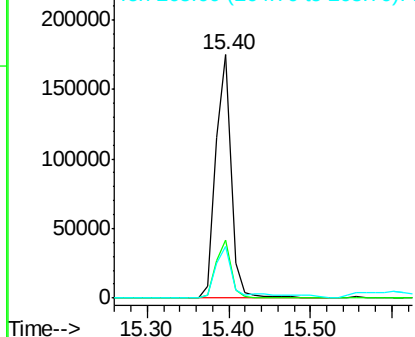


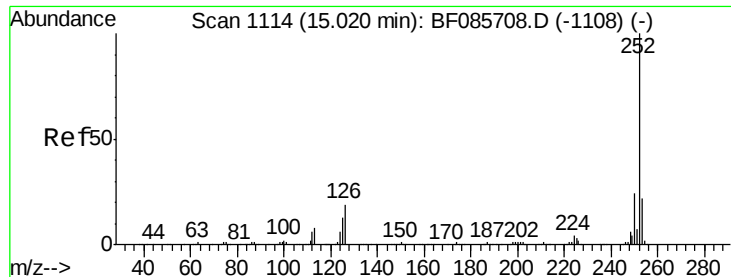
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.1	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

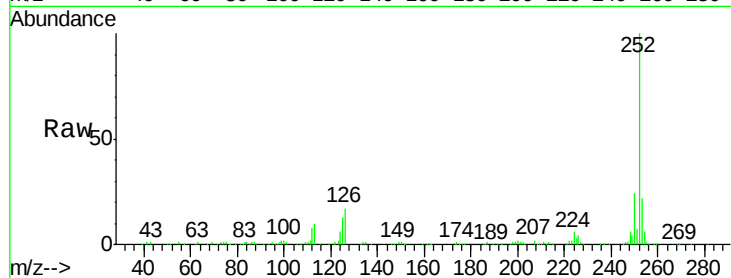




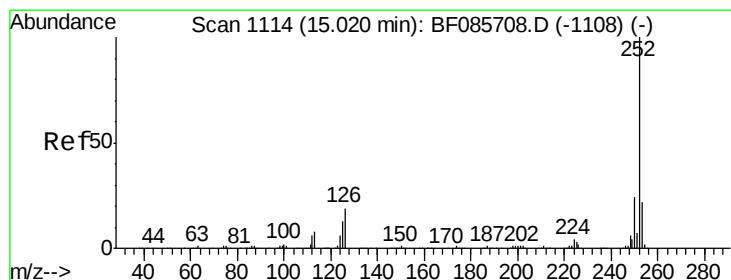
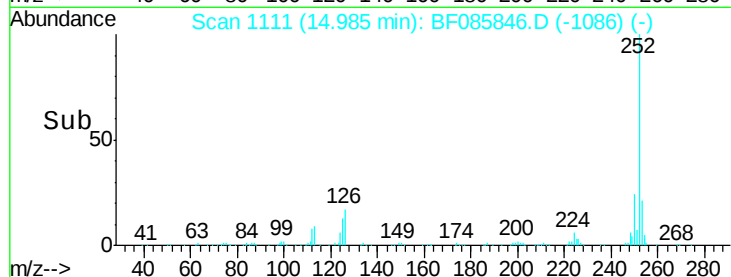
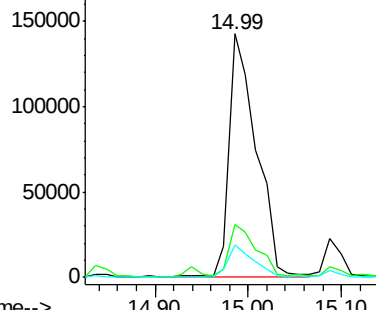
#87
Benzo(b)fluoranthene
Concen: 19.85 ng
RT: 14.99 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 287747
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 13.2 10.3 15.5

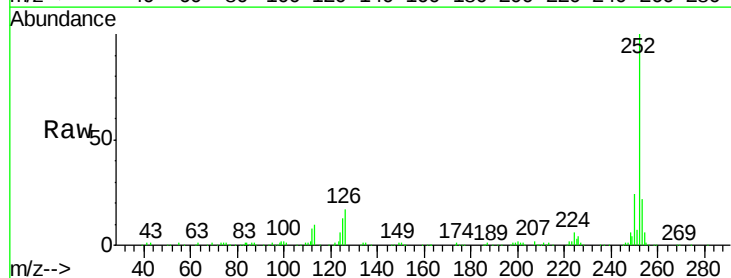


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

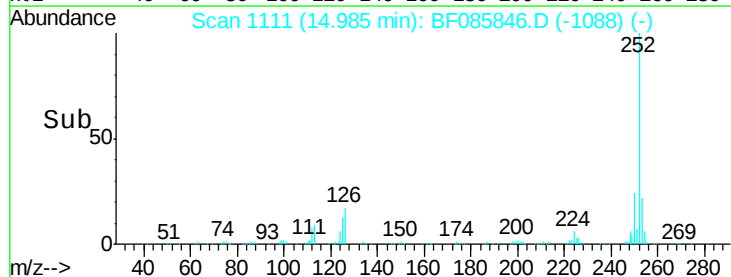
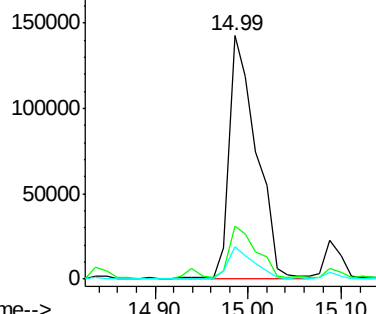


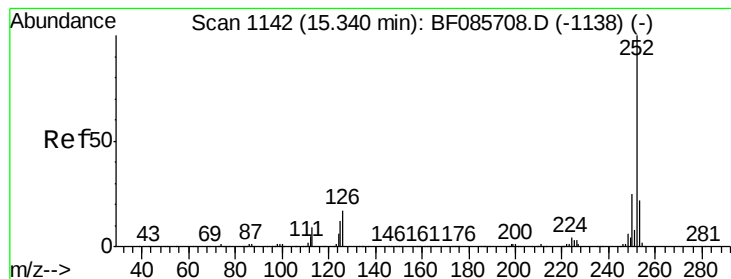
#88
Benzo(k)fluoranthene
Concen: 22.02 ng
RT: 14.99 min Scan# 1111
Delta R.T. -0.03 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Tgt Ion:252 Resp: 287747
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 13.2 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: 11.97 ng

RT: 15.33 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

Instrument :

BNA_F

ClientSampleId :

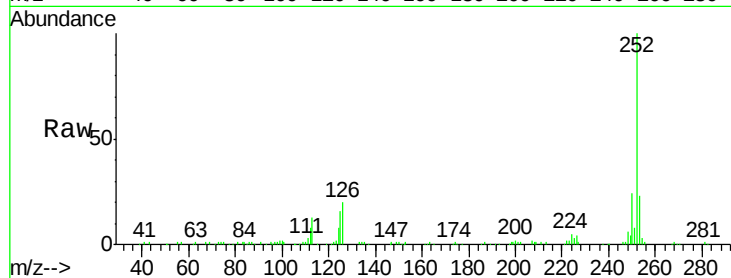
Tot Ion:252 Resp: 154131

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

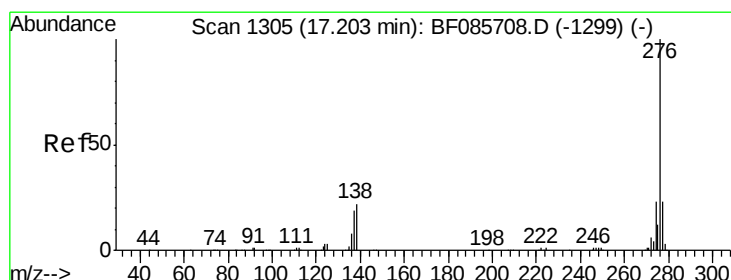
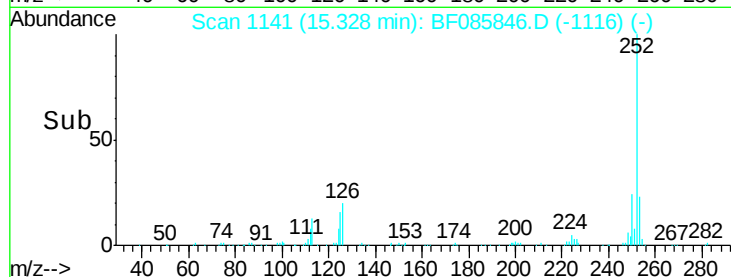
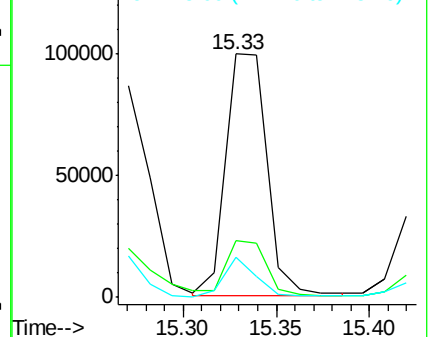
125 16.4 10.3 15.5#



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: 8.12 ng

RT: 17.19 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

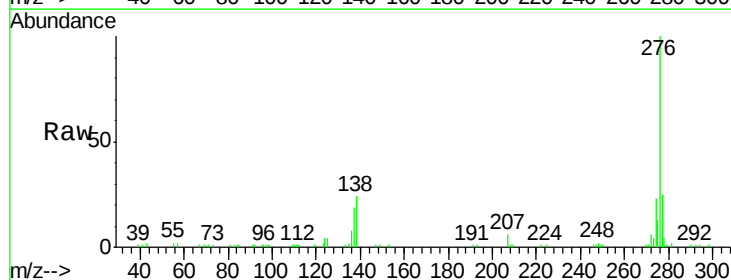
Tgt Ion:276 Resp: 98375

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 23.9 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

