

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
 Data File : BF085892.D
 Acq On : 30 Mar 2016 17:59
 Operator : UM/SJ
 Sample : H2023-01 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Quant Time: Mar 31 00:06:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 12:31:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	96698	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	401818	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	163784	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	300859	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	203502	20.00	ng	-0.01
86) Perylene-d12	15.37	264	199405	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	51174	8.81	ng	0.00
7) Phenol-d6	6.44	99	67650	9.16	ng	-0.01
23) Nitrobenzene-d5	7.36	82	41738	5.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	10683	6.87	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	65705	6.70	ng	-0.01
78) Terphenyl-d14	12.90	244	37726	3.81	ng	0.00

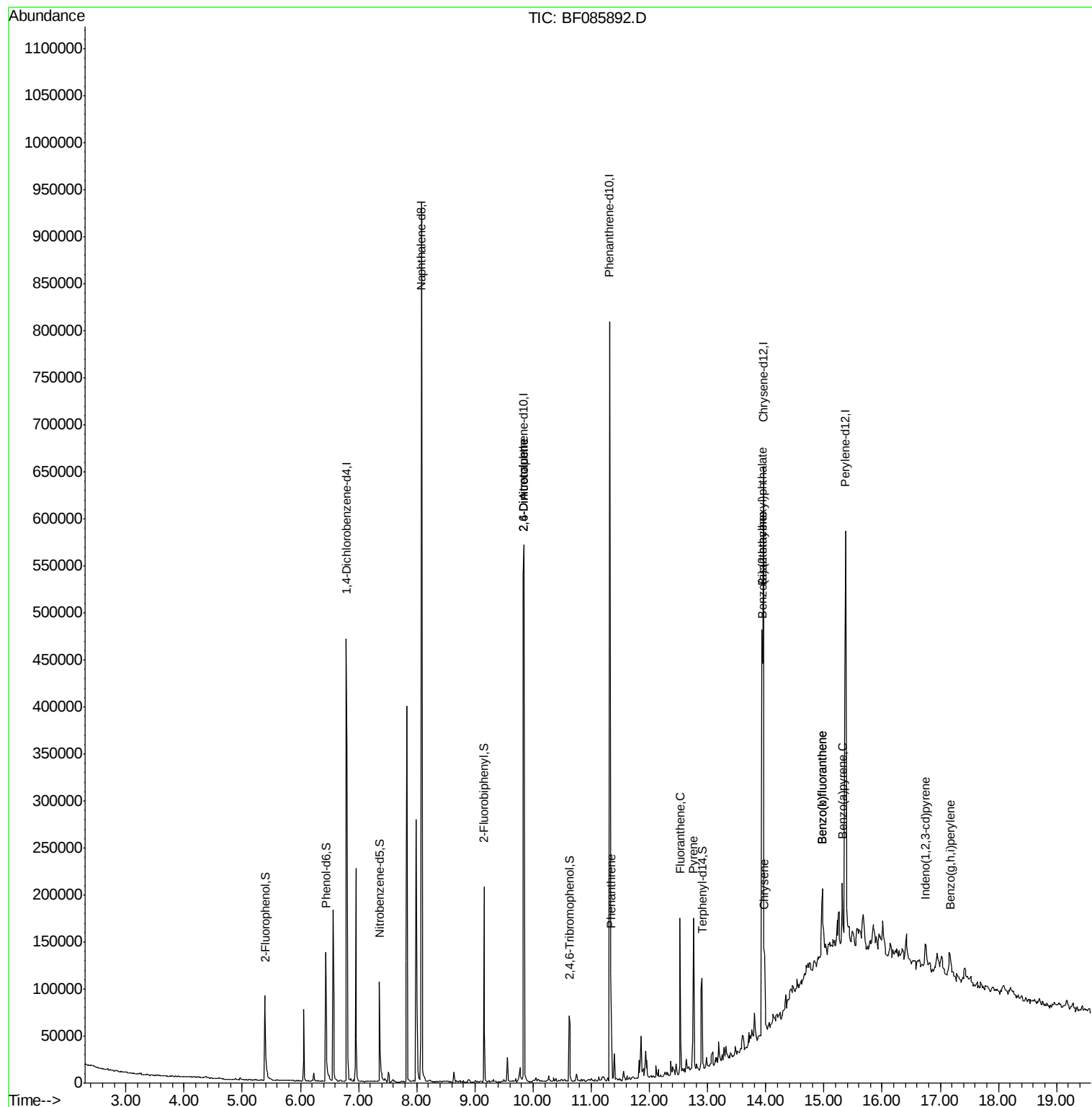
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) 2-Methylnaphthalene	8.80	142	446	Below Cal	#	79
50) 2,6-Dinitrotoluene	9.83	165	20258	7.57	ng	# 17
56) 2,4-Dinitrotoluene	9.83	165	20258	5.96	ng	# 35
70) Phenanthrene	11.34	178	47523	3.08	ng	98
74) Fluoranthene	12.53	202	62713	3.82	ng	95
77) Pyrene	12.76	202	62852	3.76	ng	98
80) Benzo(a)anthracene	13.95	228	34210	2.95	ng	99
82) Chrysene	13.98	228	23853	2.04	ng	98
83) Bis(2-ethylhexyl)phthalate	13.93	149	122276	14.58	ng	99
85) Indeno(1,2,3-cd)pyrene	16.75	276	22233	2.46	ng	# 93
87) Benzo(b)fluoranthene	14.97	252	47695	3.80	ng	94
88) Benzo(k)fluoranthene	14.97	252	47695	4.21	ng	# 92
89) Benzo(a)pyrene	15.32	252	26684	2.39	ng	96
91) Benzo(g,h,i)perylene	17.17	276	21410	2.04	ng	96

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

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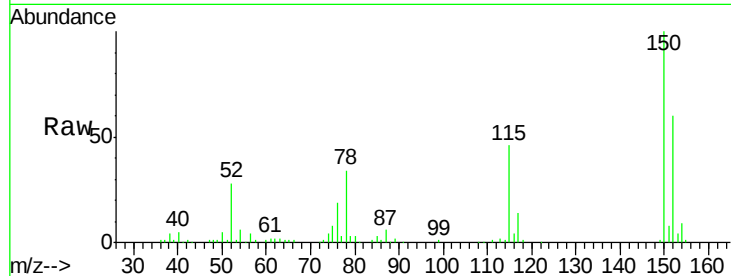


#1

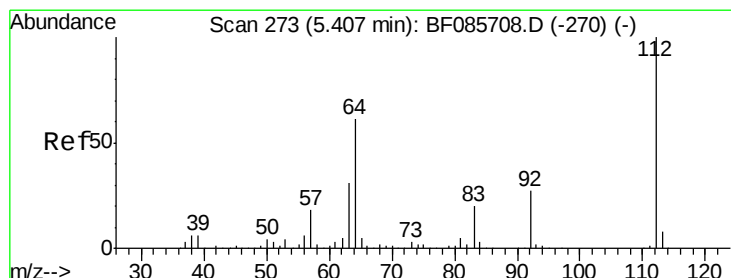
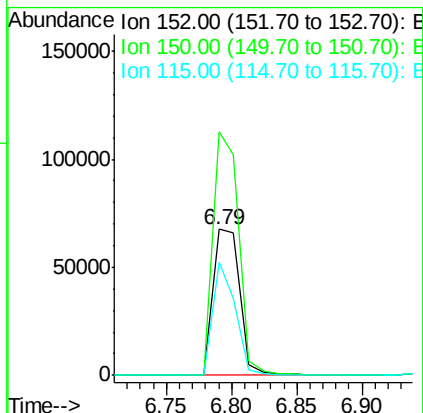
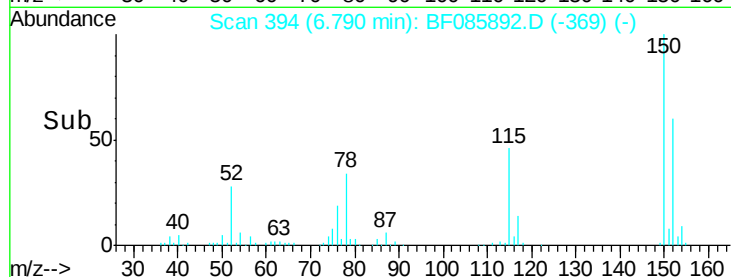
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 394
 Delta R.T. -0.01 min
 Lab File: BF085892.D
 Acq: 30 Mar 2016 17:59

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Tgt Ion:152 Resp: 96698
 Ion Ratio Lower Upper
 152 100
 150 166.8 124.2 186.2
 115 77.3 47.0 70.6#



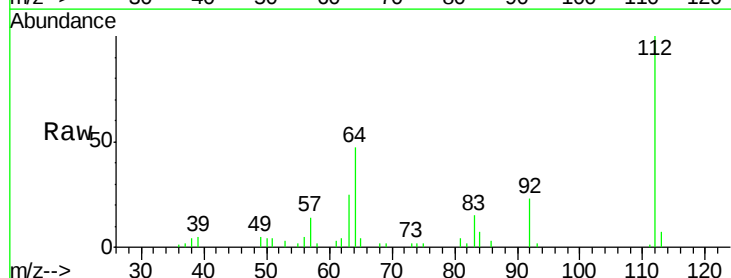
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



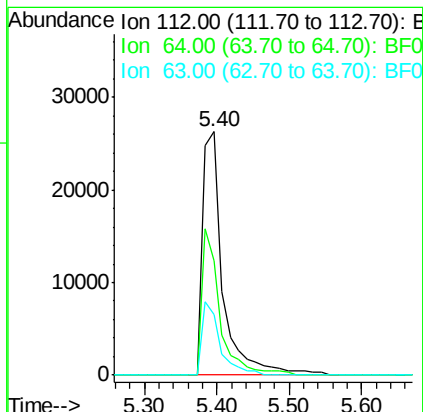
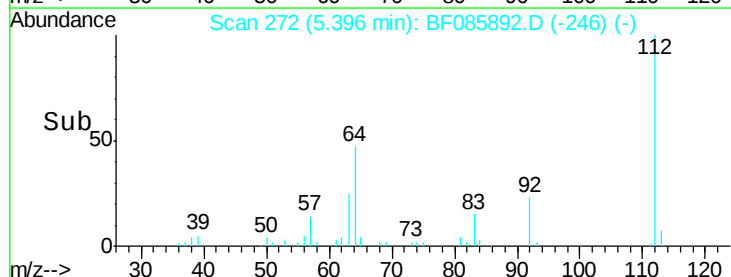
#5

2-Fluorophenol
 Concen: 8.81 ng
 RT: 5.40 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: BF085892.D
 Acq: 30 Mar 2016 17:59

Tgt Ion:112 Resp: 51174
 Ion Ratio Lower Upper
 112 100
 64 47.1 39.9 59.9
 63 24.7 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: 9.16 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

Instrument :

BNA_F

ClientSampleId :

B-1

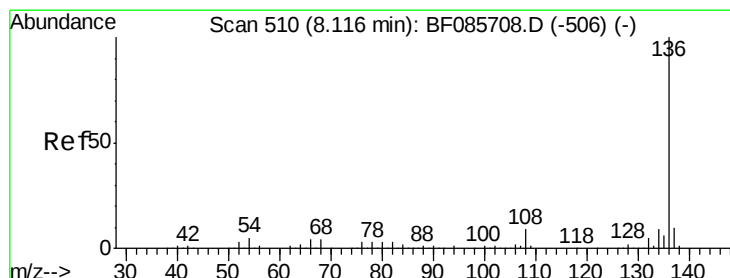
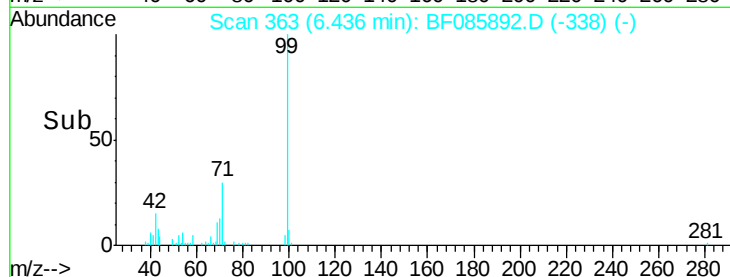
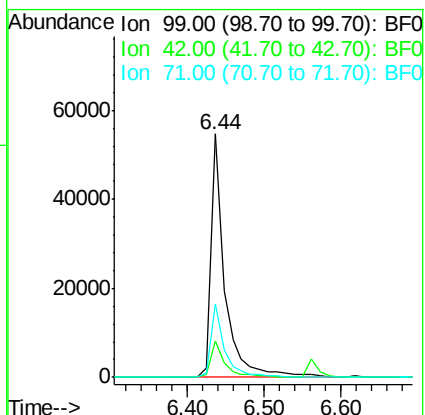
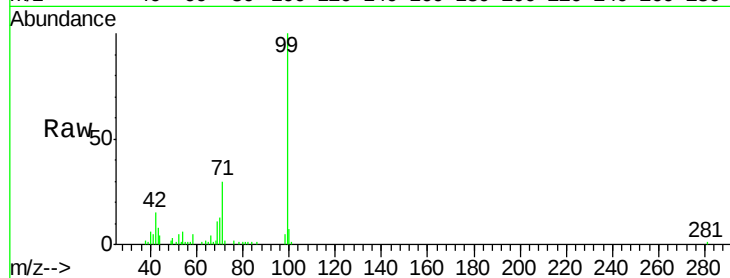
Tgt Ion: 99 Resp: 67650

Ion Ratio Lower Upper

99 100

42 14.6 11.1 16.7

71 30.2 24.9 37.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

Tgt Ion: 136 Resp: 401818

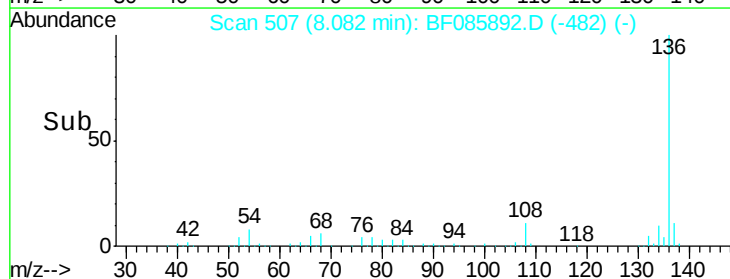
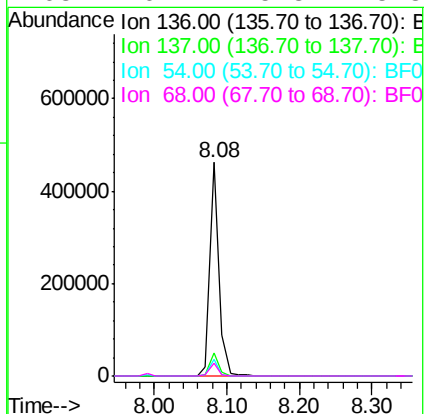
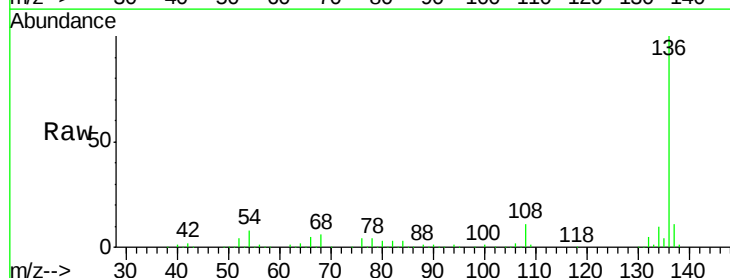
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.7 7.4 11.0

68 6.1 5.8 8.8





#23

Nitrobenzene-d5

Concen: 5.85 ng

RT: 7.36 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

Instrument :

BNA_F

ClientSampleId :

B-1

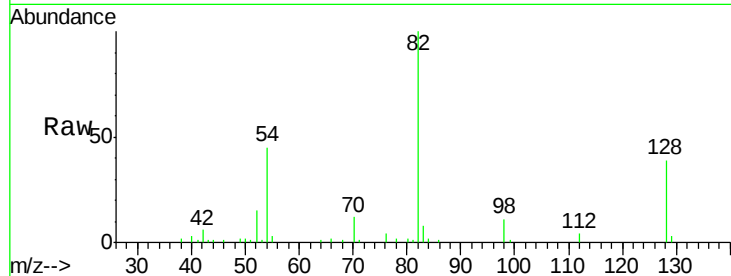
Tgt Ion: 82 Resp: 41738

Ion Ratio Lower Upper

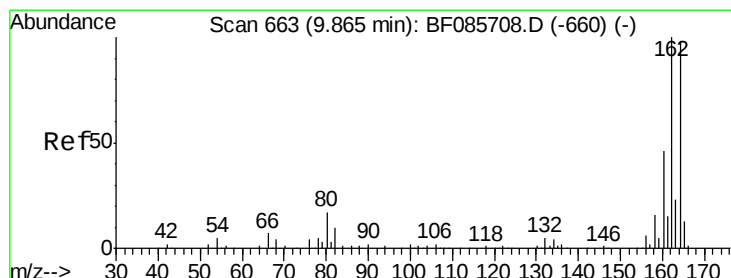
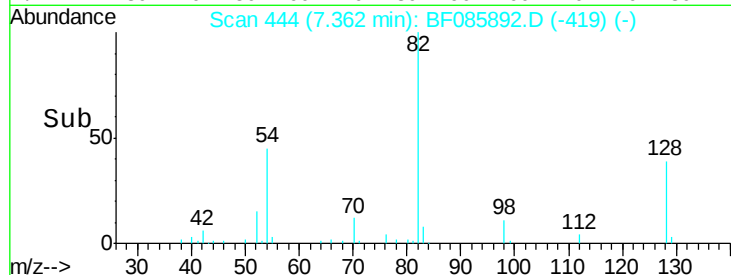
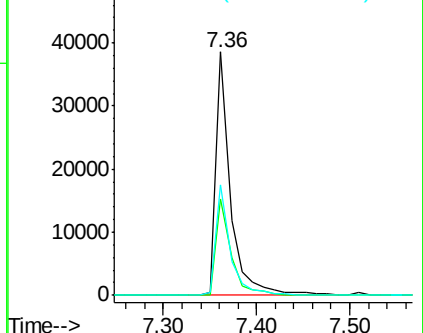
82 100

128 39.4 41.8 62.8#

54 45.4 33.4 50.0



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

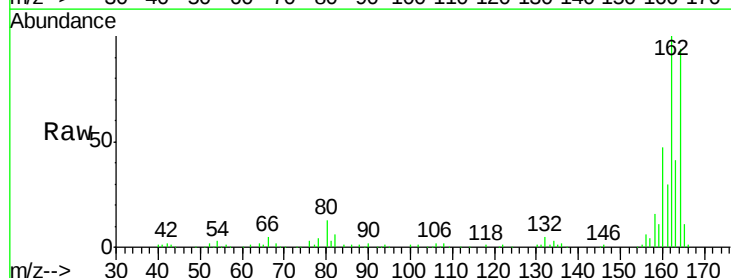
Tgt Ion: 164 Resp: 163784

Ion Ratio Lower Upper

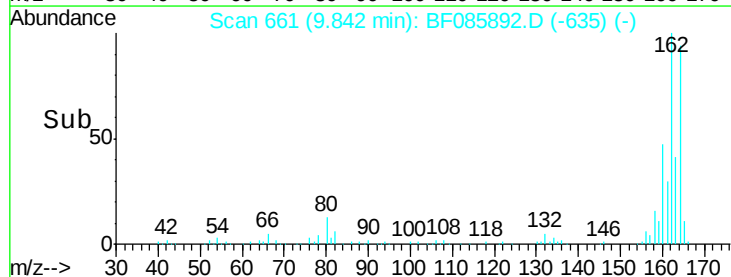
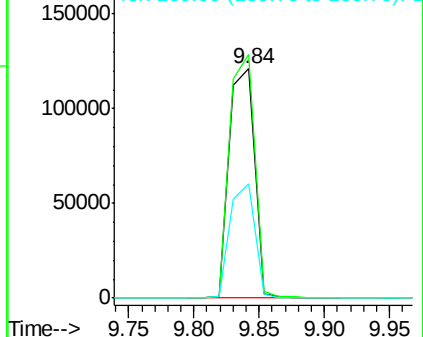
164 100

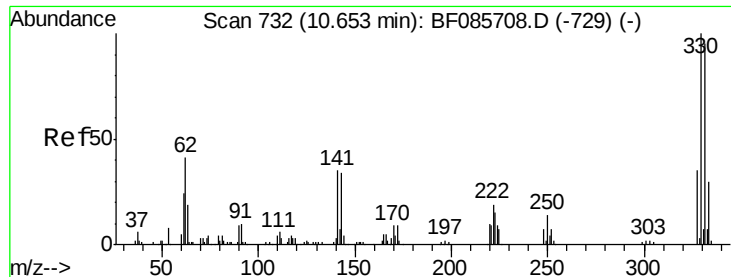
162 106.2 82.1 123.1

160 50.1 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

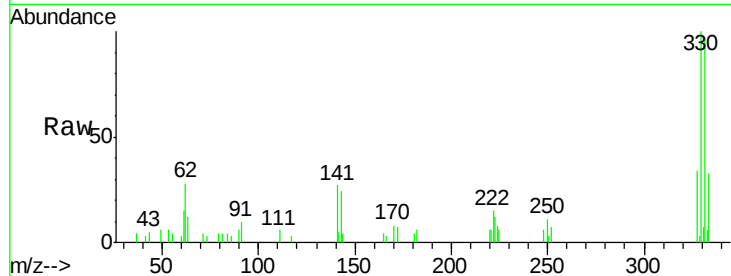




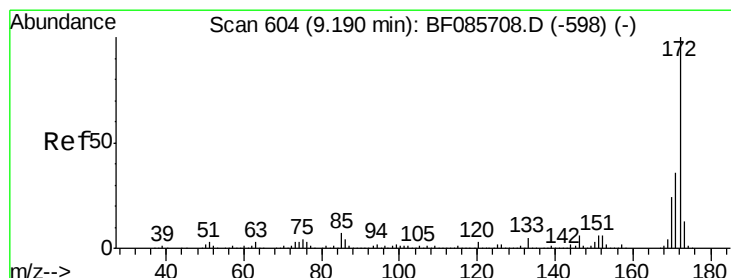
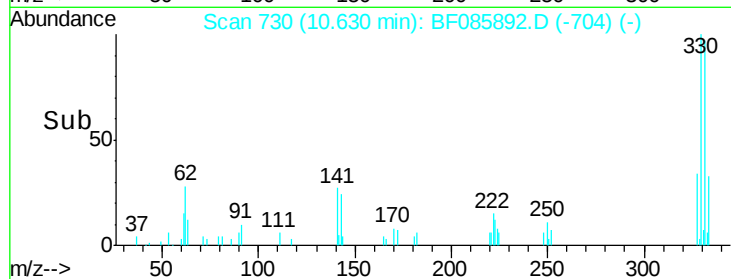
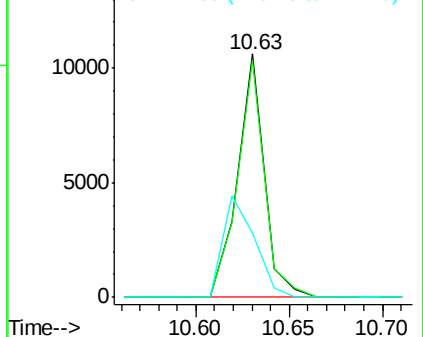
#41
 2,4,6-Tribromophenol
 Concen: 6.87 ng
 RT: 10.63 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: BF085892.D
 Acq: 30 Mar 2016 17:59

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Tgt Ion:330 Resp: 10683
 Ion Ratio Lower Upper
 330 100
 332 97.9 78.2 117.2
 141 49.4 31.5 47.3#

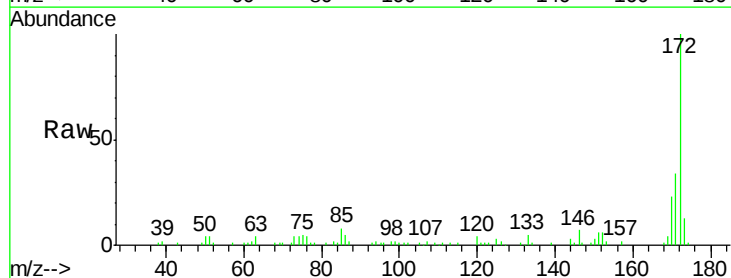


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

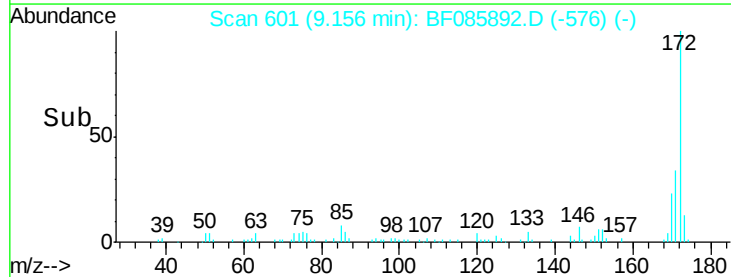
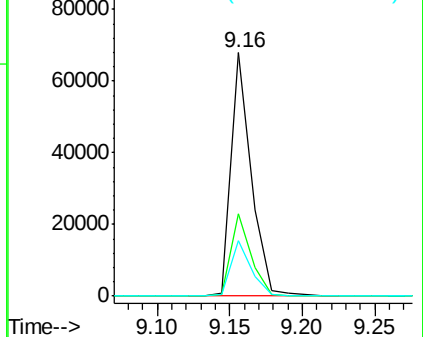


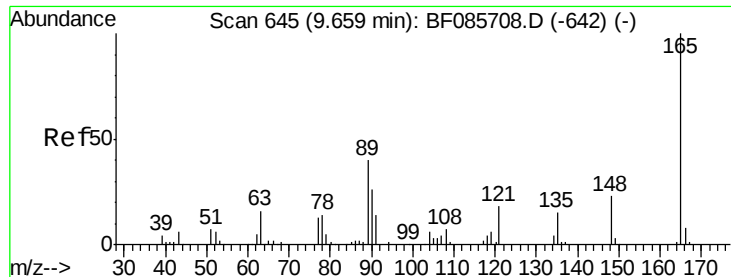
#44
 2-Fluorobiphenyl
 Concen: 6.70 ng
 RT: 9.16 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF085892.D
 Acq: 30 Mar 2016 17:59

Tgt Ion:172 Resp: 65705
 Ion Ratio Lower Upper
 172 100
 171 33.6 29.4 44.2
 170 23.0 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

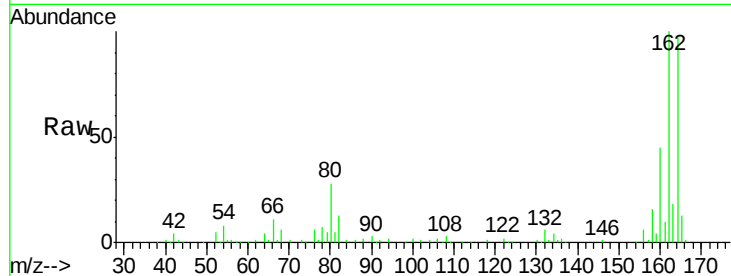




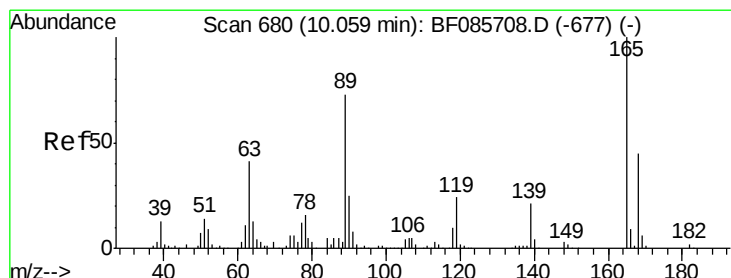
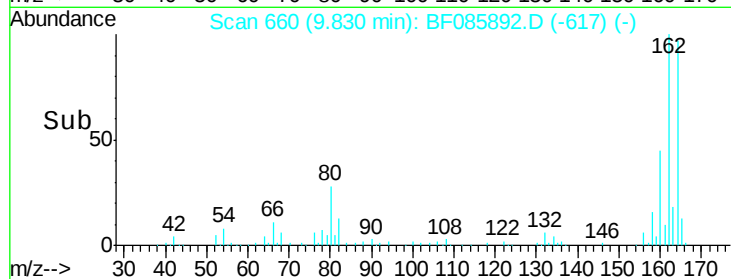
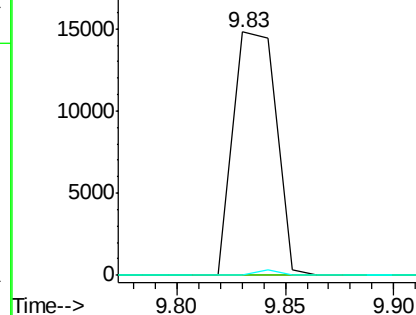
#50
 2,6-Dinitrotoluene
 Concen: 7.57 ng
 RT: 9.83 min Scan# 660
 Delta R.T. 0.19 min
 Lab File: BF085892.D
 Acq: 30 Mar 2016 17:59

Instrument :
 BNA_F
 ClientSampleId :
 B-1

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



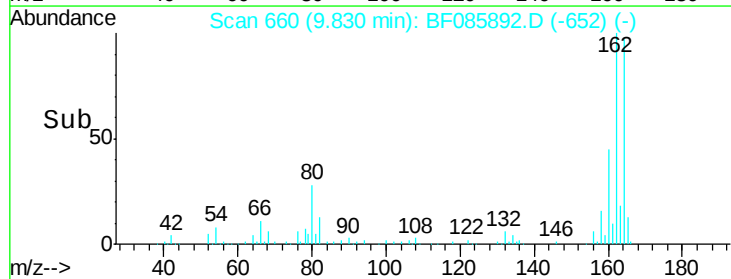
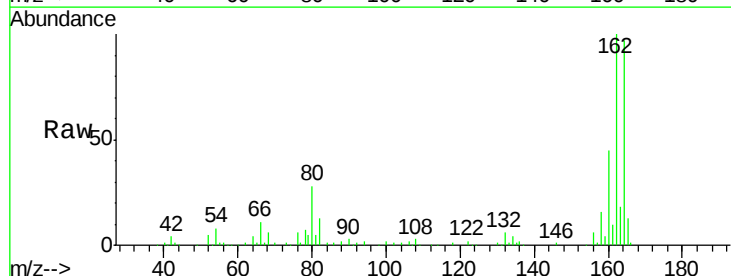
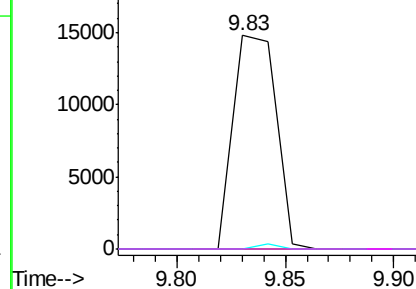
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

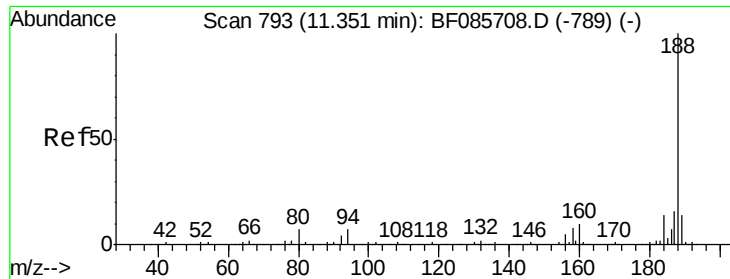


#56
 2,4-Dinitrotoluene
 Concen: 5.96 ng
 RT: 9.83 min Scan# 660
 Delta R.T. -0.21 min
 Lab File: BF085892.D
 Acq: 30 Mar 2016 17:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	24.9	37.3#
89	0.0	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

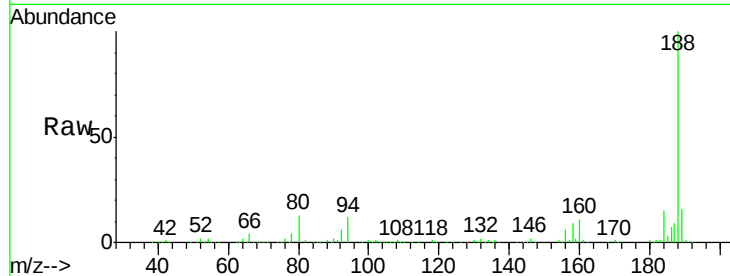




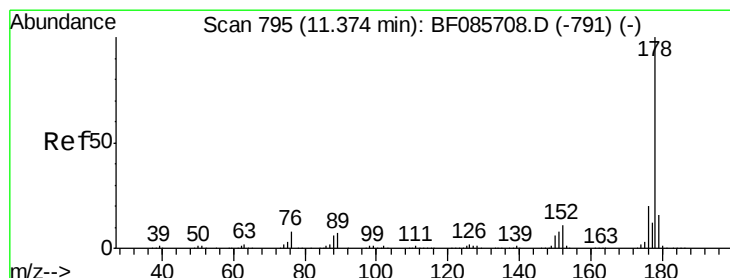
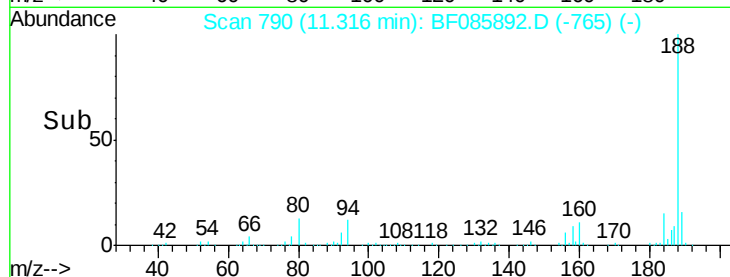
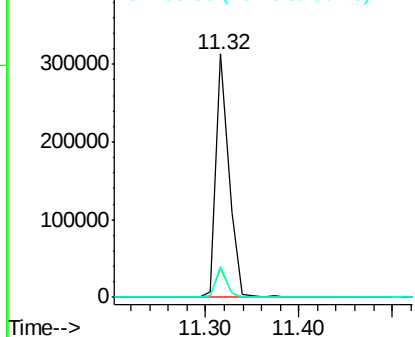
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Instrument :
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ClientSampleId :
B-1

Tgt Ion:188 Resp: 300859
Ion Ratio Lower Upper
188 100
94 11.9 5.4 8.0#
80 12.7 5.5 8.3#

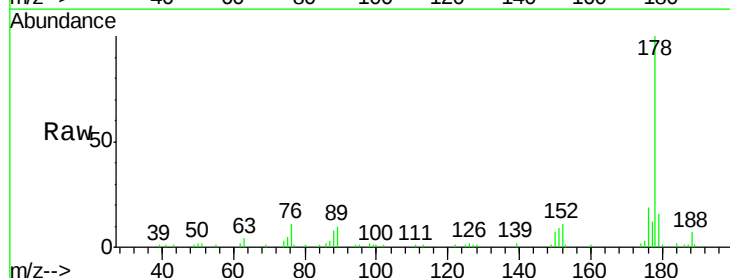


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

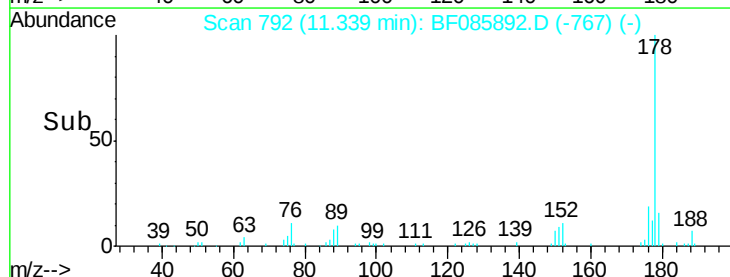
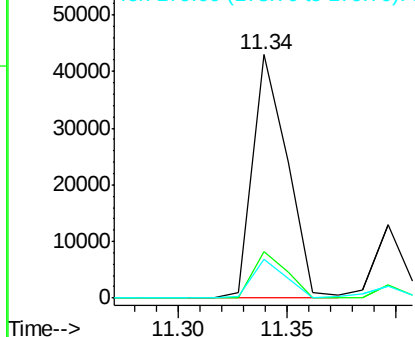


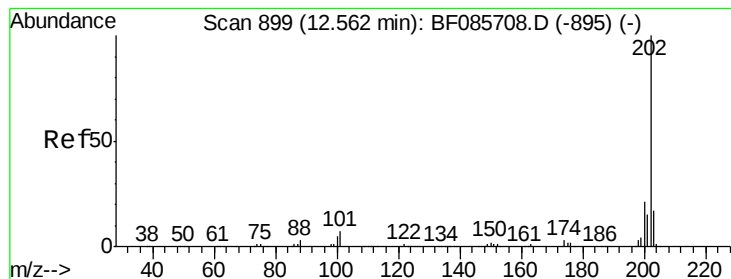
#70
Phenanthrene
Concen: 3.08 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:178 Resp: 47523
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 15.7 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: 3.82 ng

RT: 12.53 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

Instrument :

BNA_F

ClientSampleId :

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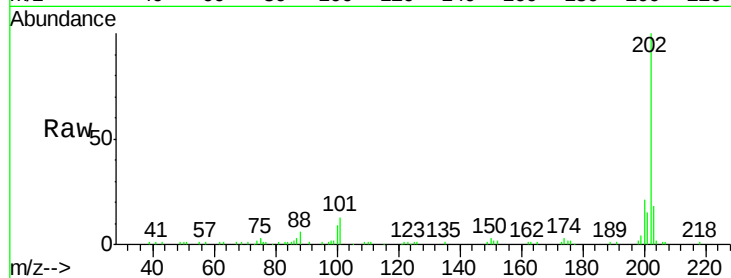
Tgt Ion:202 Resp: 62713

Ion Ratio Lower Upper

202 100

101 13.0 0.0 36.6

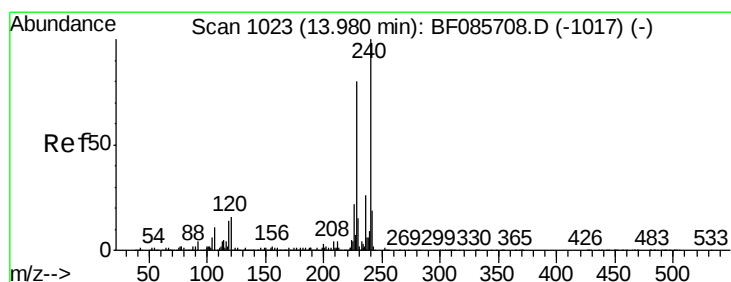
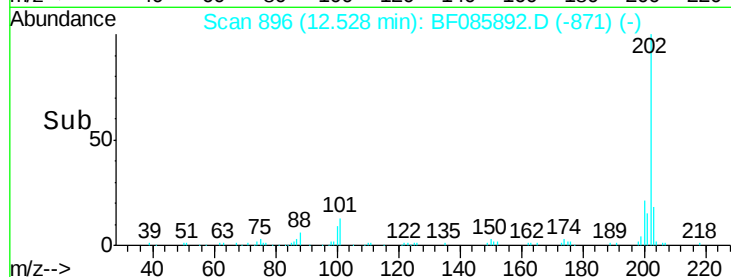
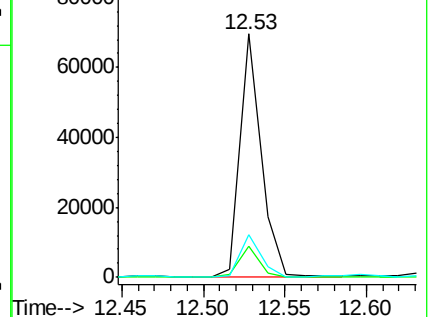
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

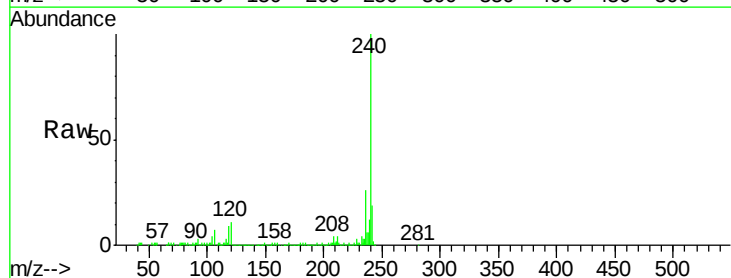
Tgt Ion:240 Resp: 203502

Ion Ratio Lower Upper

240 100

120 10.5 13.8 20.8#

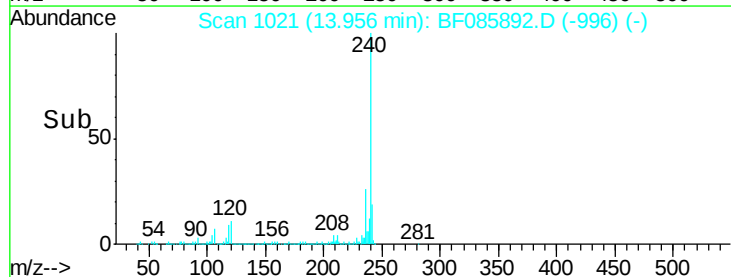
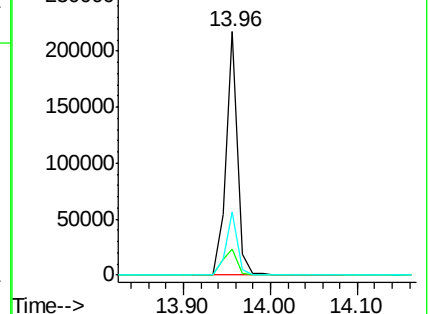
236 26.2 20.6 30.8

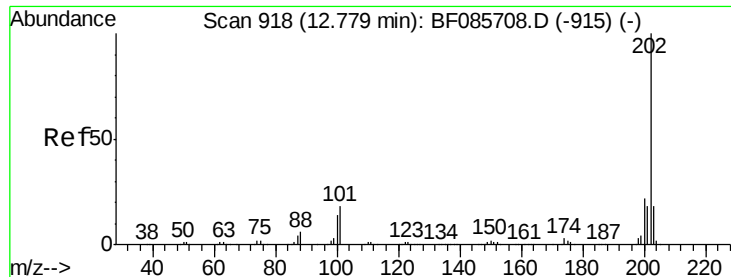


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.76 ng

RT: 12.76 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

Instrument :

BNA_F

ClientSampleId :

B-1

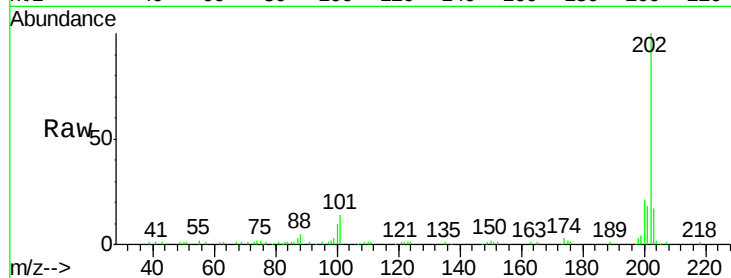
Tgt Ion:202 Resp: 62852

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

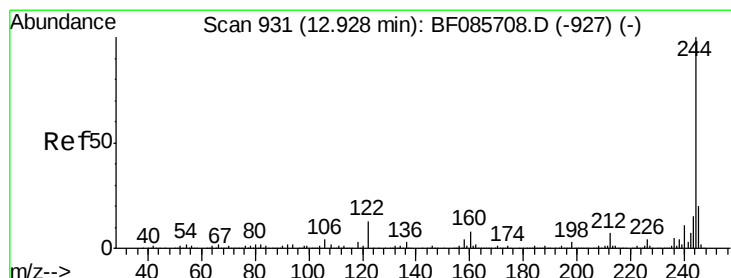
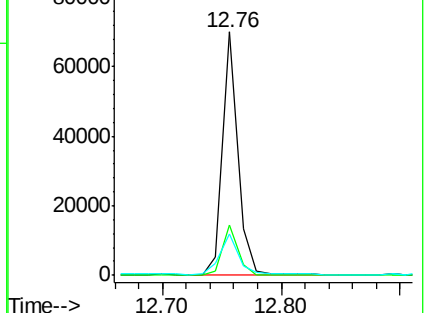
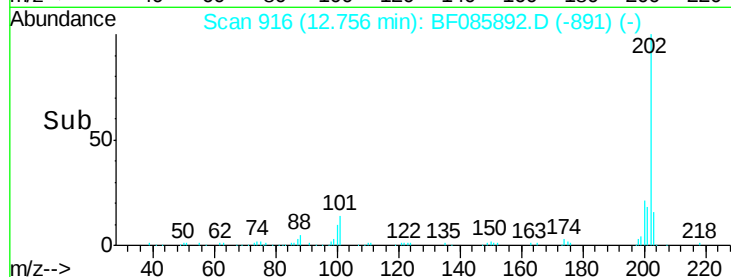
203 17.0 14.0 21.0



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: 3.81 ng

RT: 12.90 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

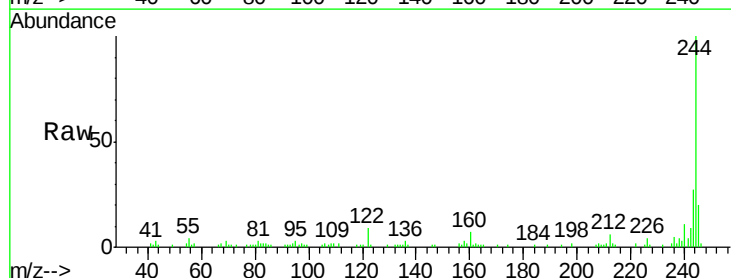
Tgt Ion:244 Resp: 37726

Ion Ratio Lower Upper

244 100

212 6.4 6.1 9.1

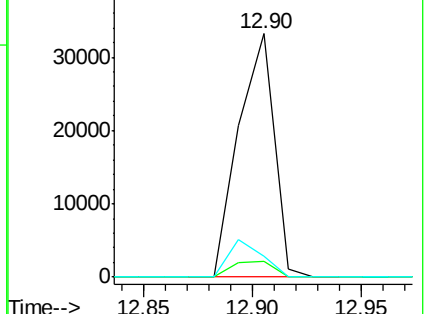
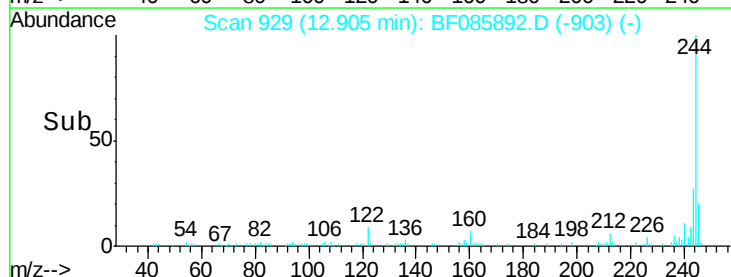
122 8.6 10.2 15.4#

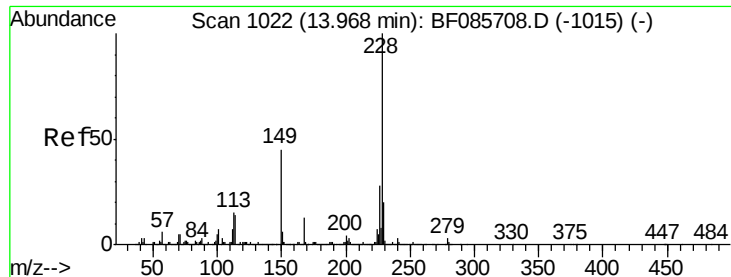


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

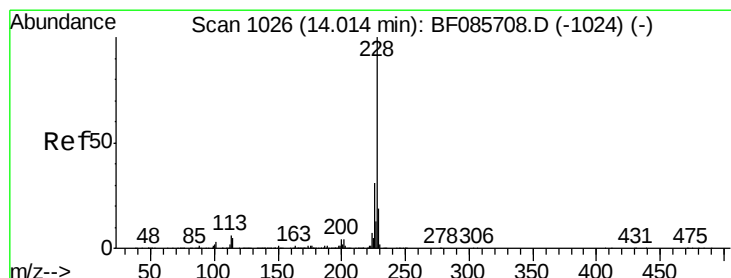
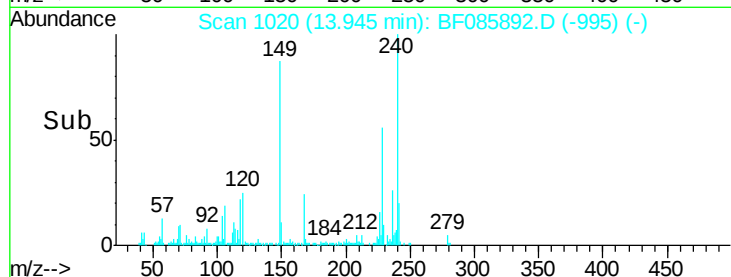
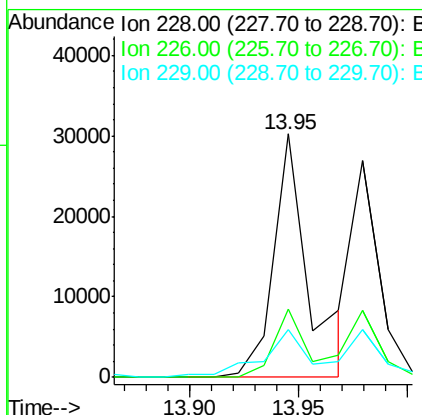
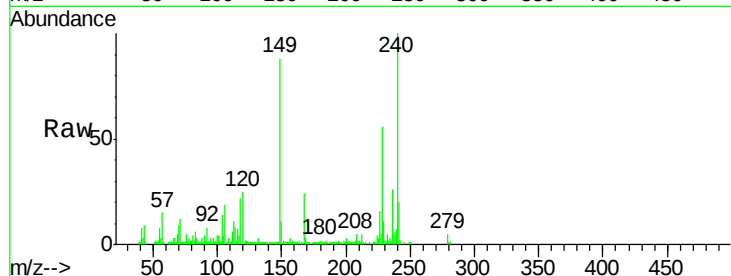




#80
Benzo(a)anthracene
Concen: 2.95 ng
RT: 13.95 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

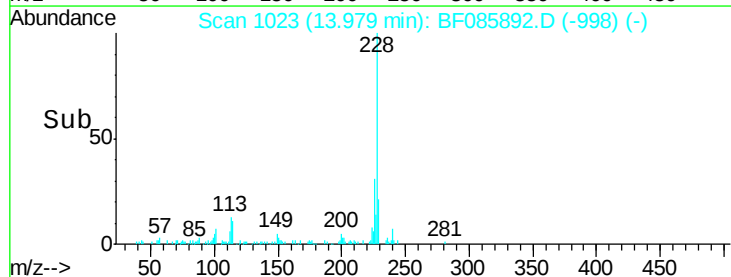
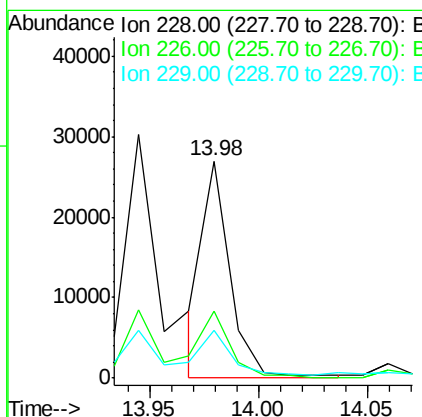
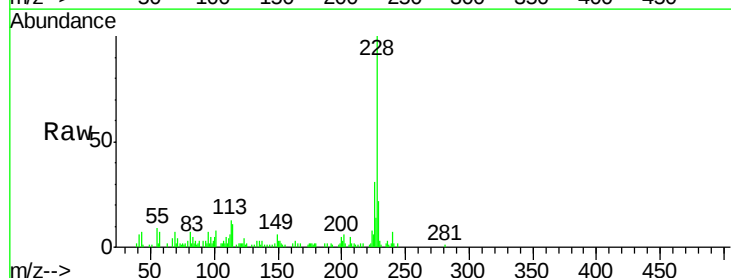
Instrument :
BNA_F
ClientSampleId :
B-1

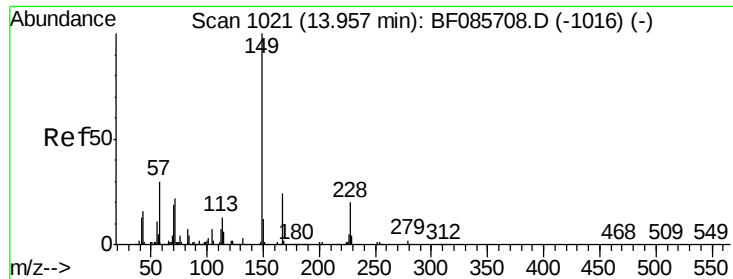
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.1	33.1
229	19.6	16.2	24.4



#82
Chrysene
Concen: 2.04 ng
RT: 13.98 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.2	15.7	23.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 14.58 ng

RT: 13.93 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

Instrument :

BNA_F

ClientSampleId :

B-1

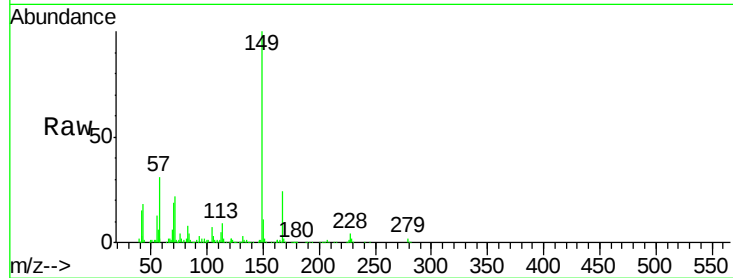
Tgt Ion:149 Resp: 122276

Ion Ratio Lower Upper

149 100

167 23.9 19.4 29.2

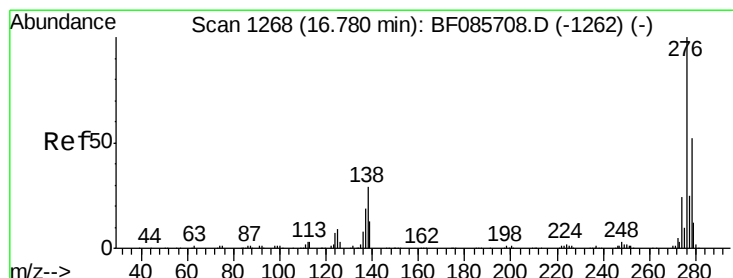
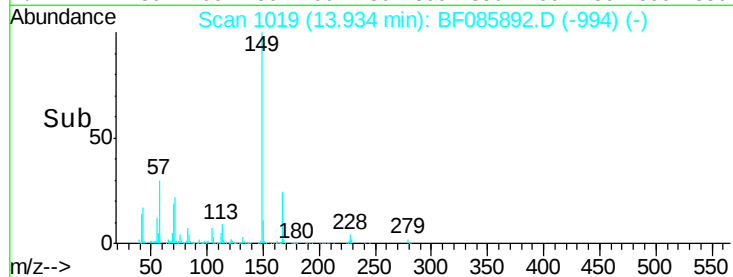
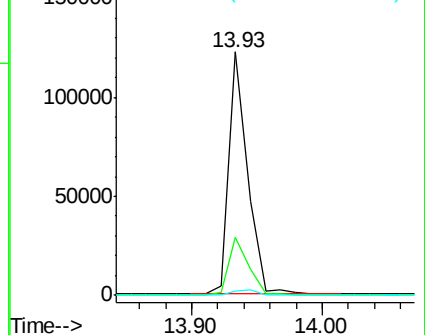
279 1.9 1.5 2.3



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.46 ng

RT: 16.75 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

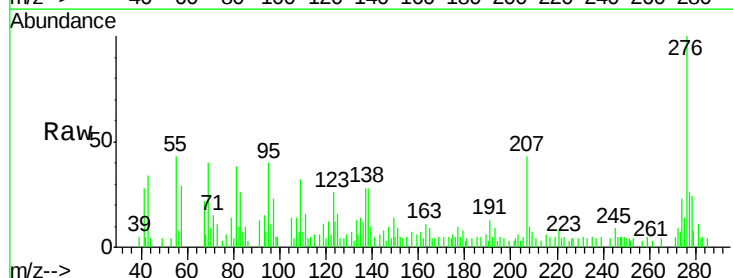
Tgt Ion:276 Resp: 22233

Ion Ratio Lower Upper

276 100

138 24.1 24.2 36.4#

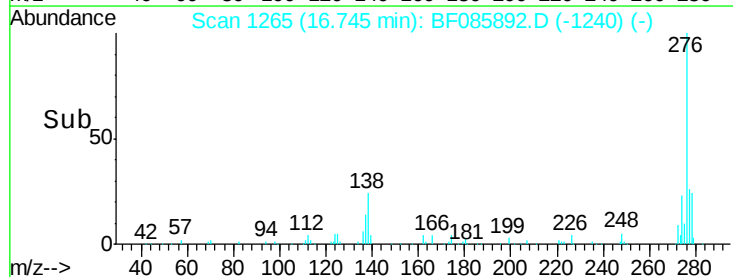
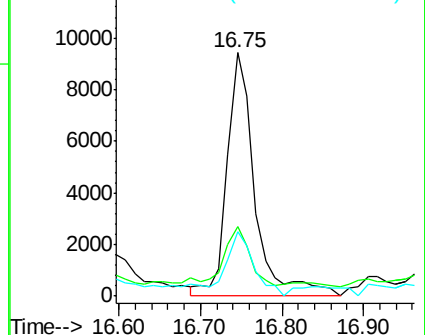
277 25.4 20.0 30.0

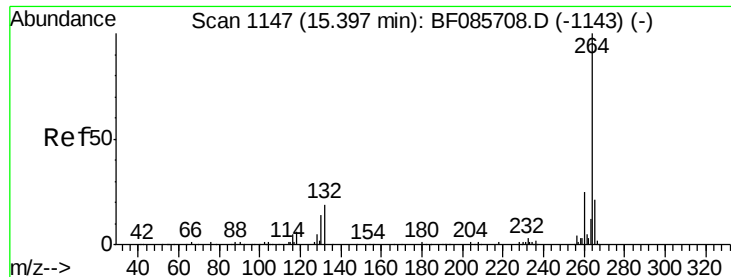


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

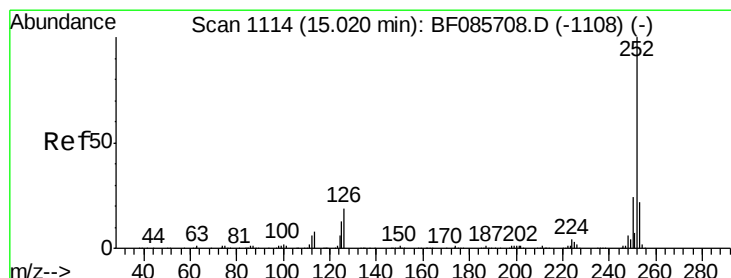
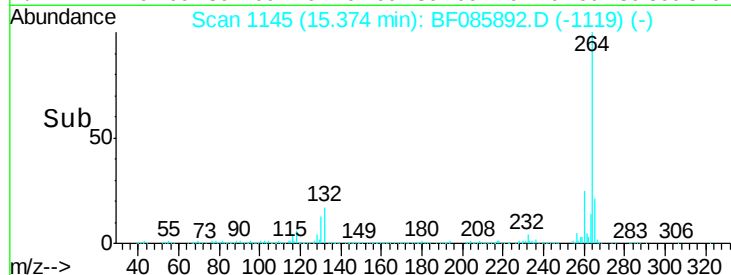
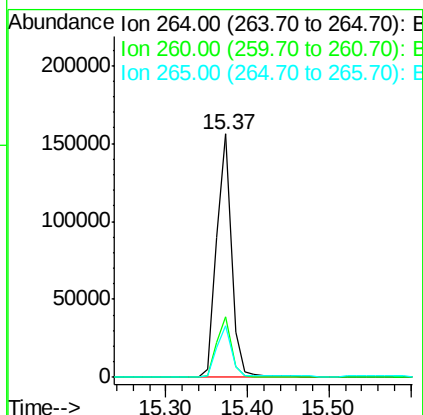
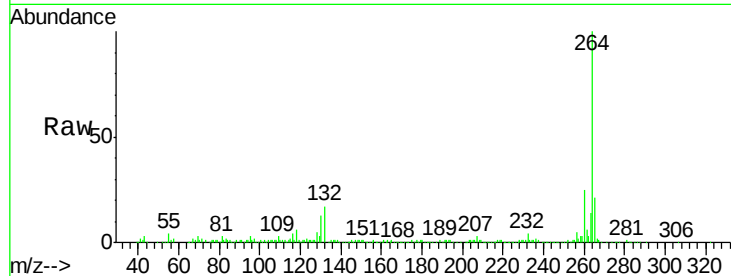




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

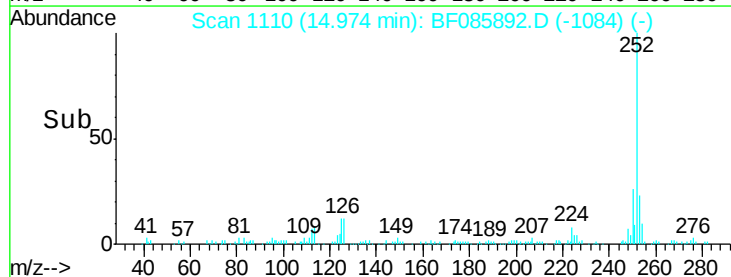
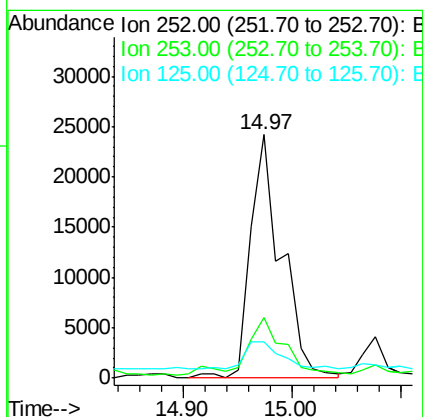
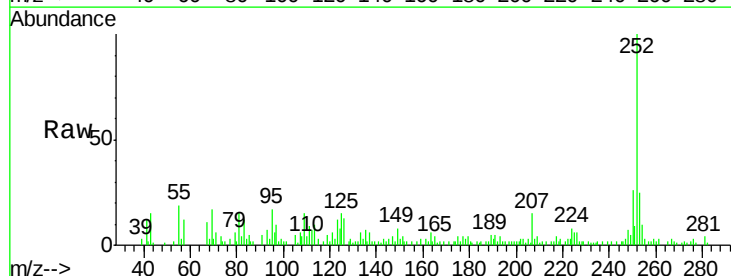
Instrument :
BNA_F
ClientSampleId :
B-1

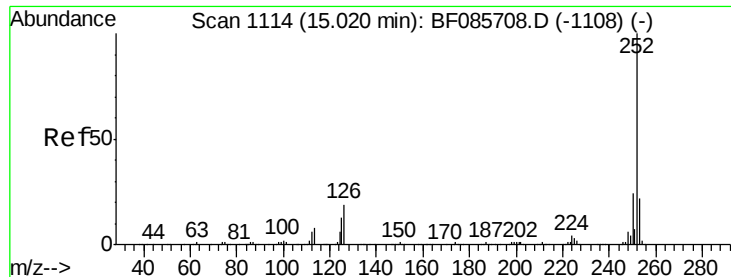
Tgt Ion:264 Resp: 199405
Ion Ratio Lower Upper
264 100
260 25.1 19.4 29.2
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.80 ng
RT: 14.97 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:252 Resp: 47695
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 15.1 10.3 15.5

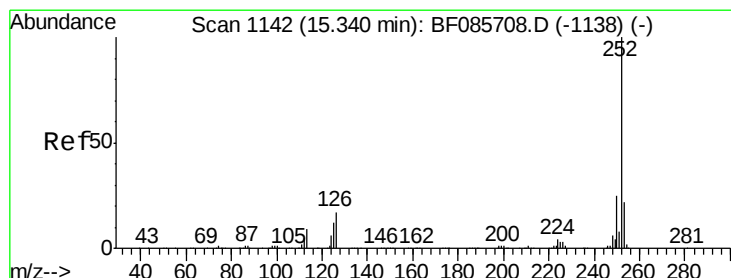
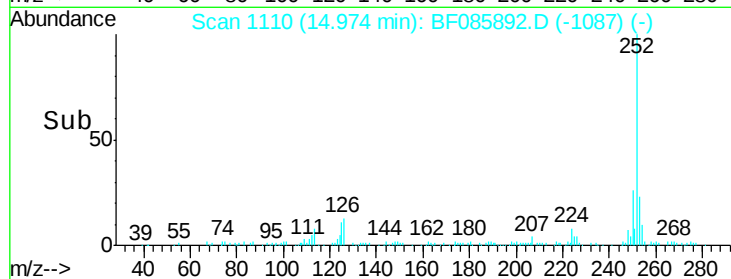
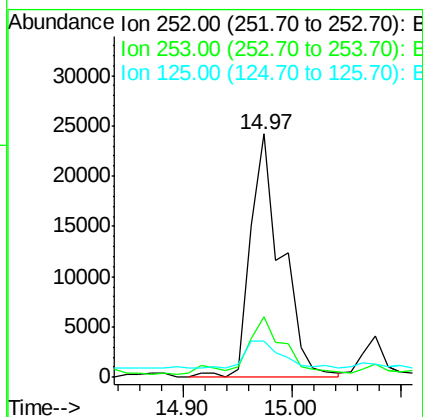
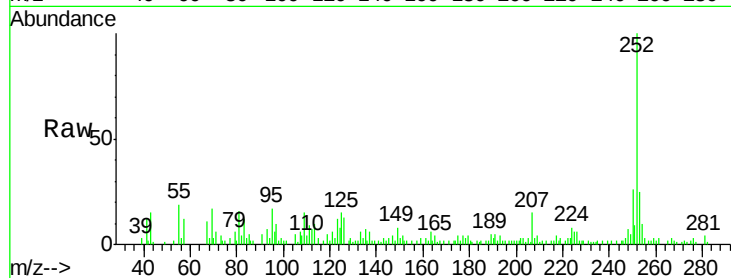




#88
Benzo(k)fluoranthene
Concen: 4.21 ng
RT: 14.97 min Scan# 1110
Delta R.T. -0.03 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

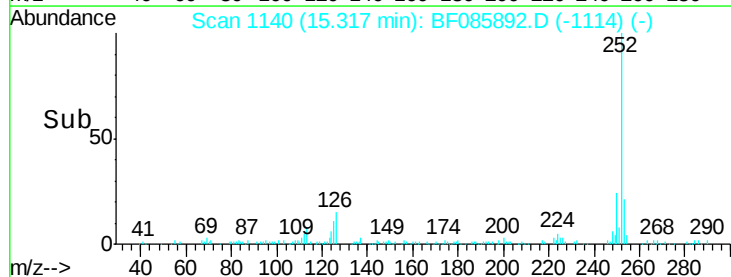
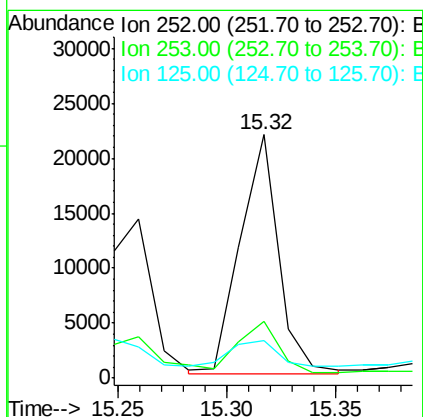
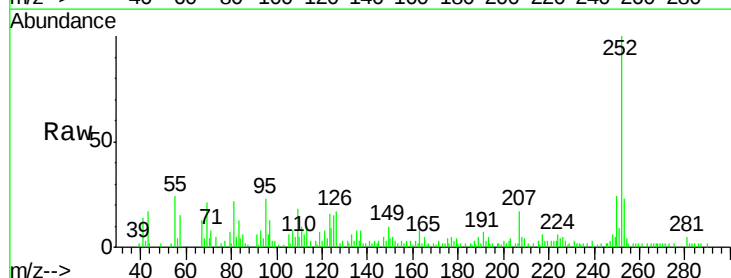
Instrument :
BNA_F
ClientSampleId :
B-1

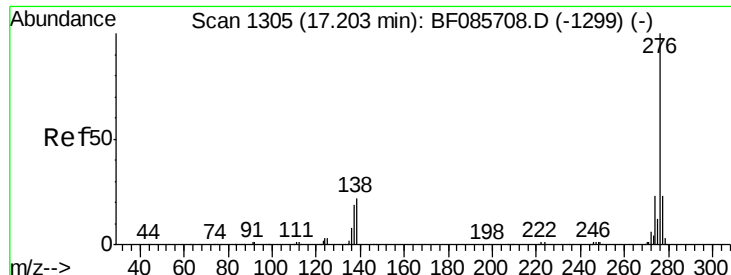
Tgt Ion:252 Resp: 47695
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.6
125 15.1 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 2.39 ng
RT: 15.32 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF085892.D
Acq: 30 Mar 2016 17:59

Tgt Ion:252 Resp: 26684
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 15.2 10.3 15.5





#91

Benzo(g,h,i)perylene

Concen: 2.04 ng

RT: 17.17 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BF085892.D

Acq: 30 Mar 2016 17:59

Instrument :

BNA_F

ClientSampleId :

B-1

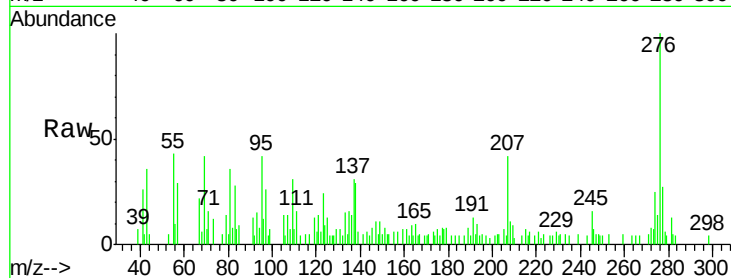
Tgt Ion: 276 Resp: 21410

Ion Ratio Lower Upper

276 100

277 27.2 18.8 28.2

138 28.9 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

