

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085772.D
 Acq On : 25 Mar 2016 20:17
 Operator : UM/SJ
 Sample : H1855-08
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5A

Quant Time: Mar 25 21:54:53 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

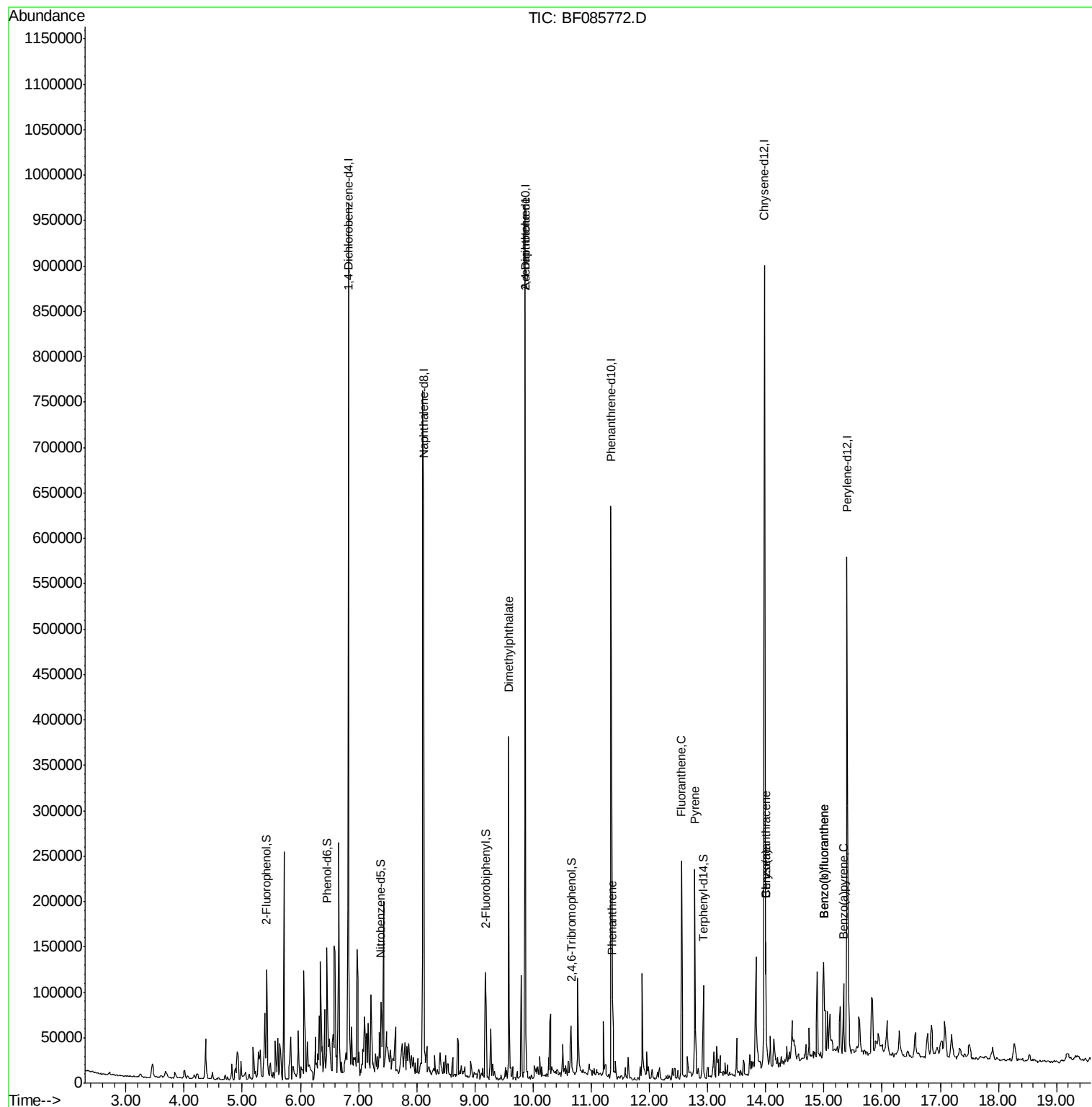
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	137491	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	478263	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	190050	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	286047	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	295511	20.00	ng	0.00
86) Perylene-d12	15.40	264	246405	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	46503	5.63	ng	0.01
7) Phenol-d6	6.46	99	59304	5.65	ng	0.00
23) Nitrobenzene-d5	7.38	82	31008	3.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	7453	4.13	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	48823	4.29	ng	-0.01
78) Terphenyl-d14	12.93	244	34892	2.43	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.82	142	2309	Below Cal		Qvalue # 92
49) Dimethylphthalate	9.58	163	135990	9.43	ng	99
56) 2,4-Dinitrotoluene	9.86	165	24322	6.17	ng	# 37
70) Phenanthrene	11.36	178	38355	2.61	ng	99
74) Fluoranthene	12.55	202	99171	6.35	ng	95
77) Pyrene	12.78	202	92755	3.82	ng	98
80) Benzo(a)anthracene	14.00	228	39082	2.32	ng	97
82) Chrysene	14.00	228	39082	2.30	ng	96
87) Benzo(b)fluoranthene	15.00	252	75961	4.89	ng	99
88) Benzo(k)fluoranthene	15.00	252	75961	5.43	ng	# 97
89) Benzo(a)pyrene	15.34	252	35695	2.59	ng	99

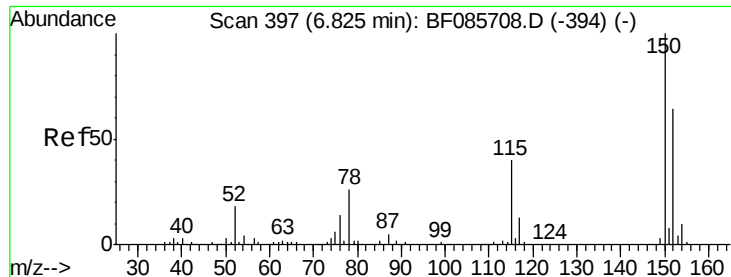
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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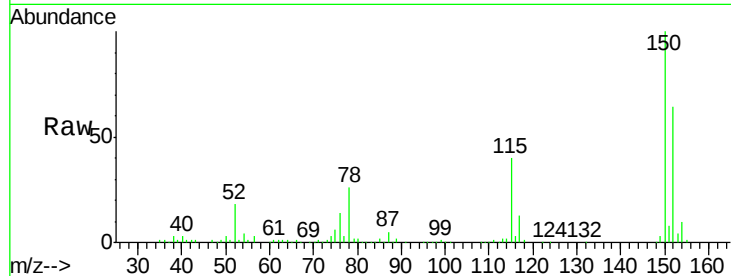


#1

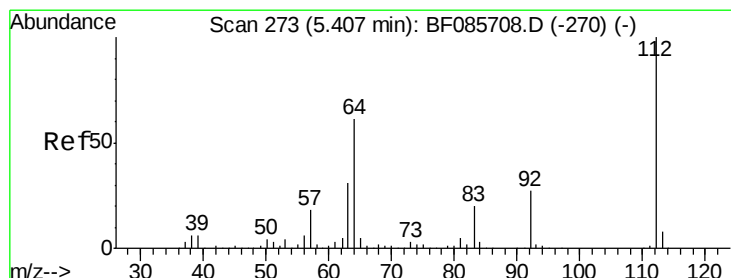
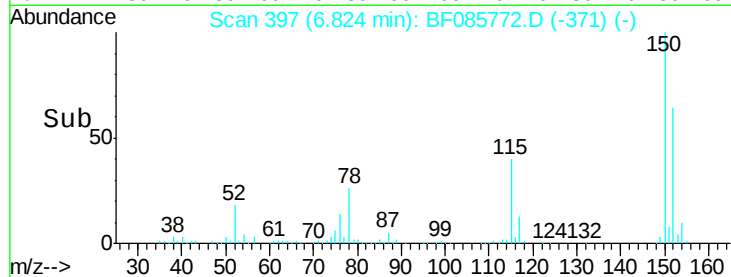
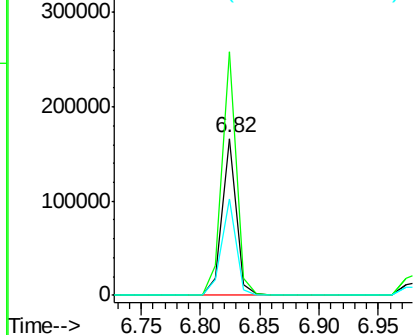
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085772.D
Acq: 25 Mar 2016 20:17

Instrument :
BNA_F
ClientSampleId :
SB-5A

Tgt Ion:152 Resp: 137491
Ion Ratio Lower Upper
152 100
150 155.1 124.2 186.2
115 61.8 47.0 70.6



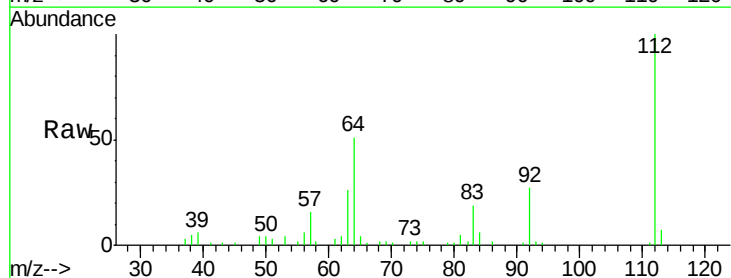
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



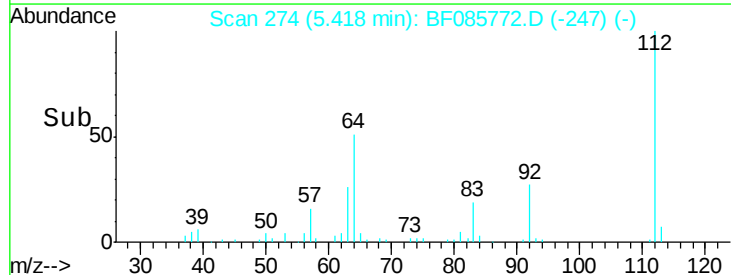
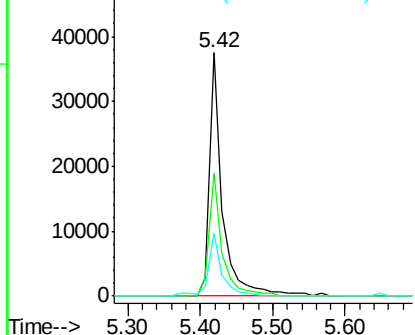
#5

2-Fluorophenol
Concen: 5.63 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085772.D
Acq: 25 Mar 2016 20:17

Tgt Ion:112 Resp: 46503
Ion Ratio Lower Upper
112 100
64 50.9 39.9 59.9
63 25.9 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: 5.65 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085772.D

Acq: 25 Mar 2016 20:17

Instrument :

BNA_F

ClientSampleId :

SB-5A

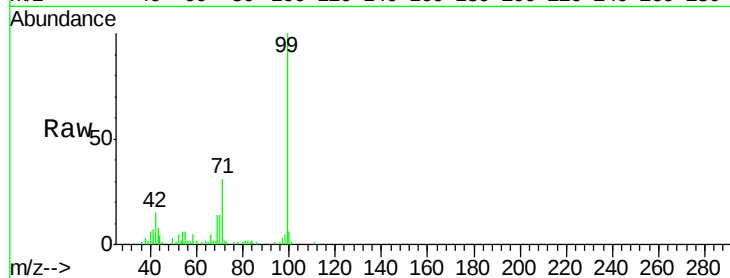
Tgt Ion: 99 Resp: 59304

Ion Ratio Lower Upper

99 100

42 14.7 11.1 16.7

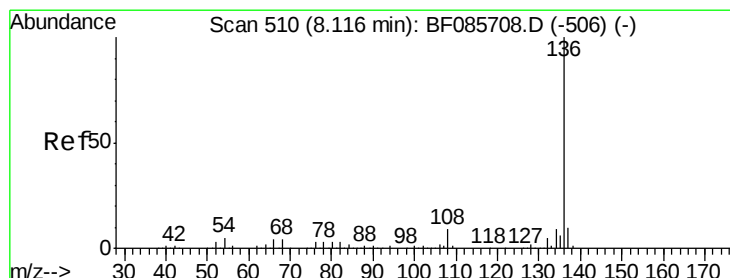
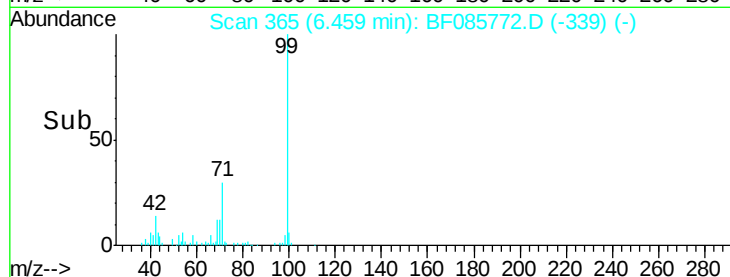
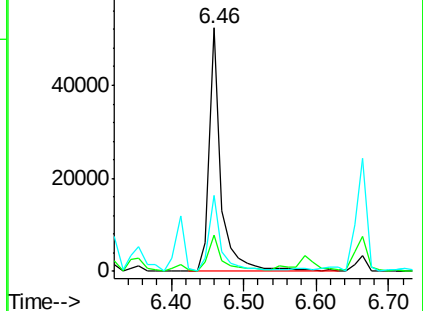
71 31.2 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.00 min

Lab File: BF085772.D

Acq: 25 Mar 2016 20:17

Tgt Ion: 136 Resp: 478263

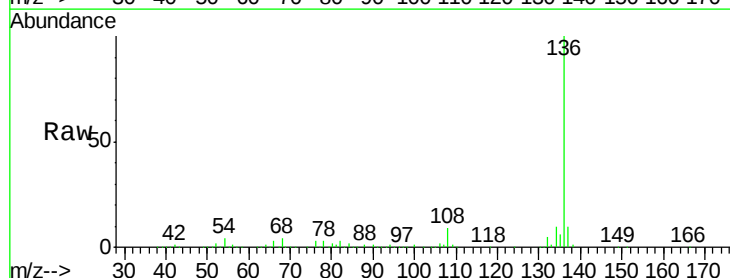
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 4.2 7.4 11.0#

68 3.8 5.8 8.8#

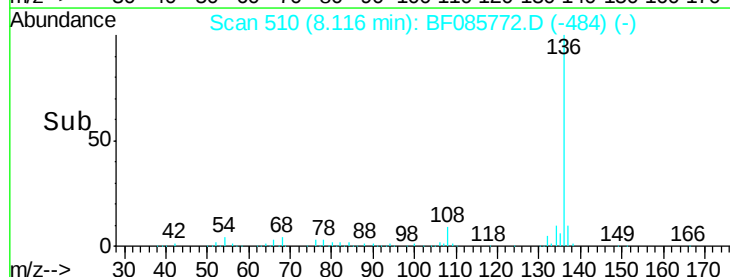
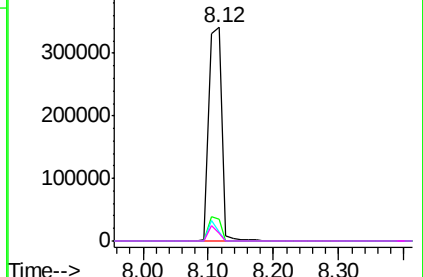


Abundance Ion 136.00 (135.70 to 136.70): E

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

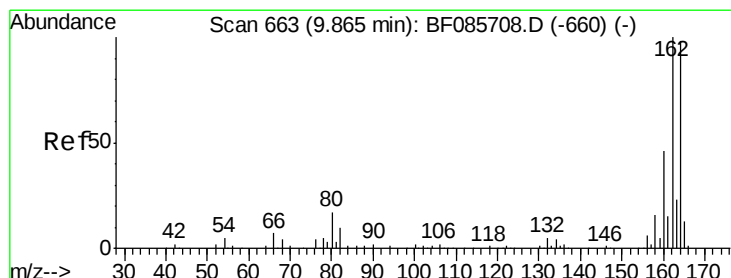
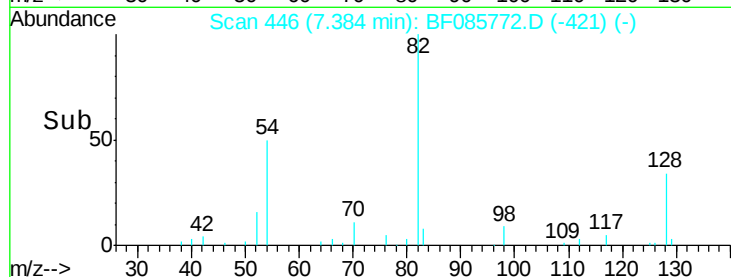
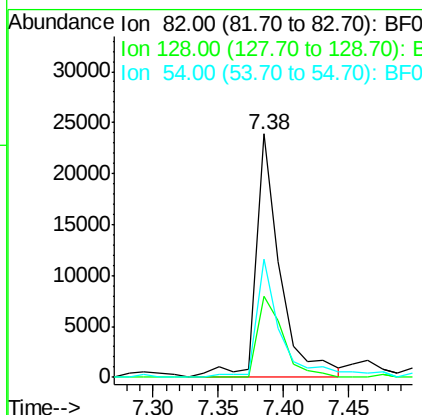
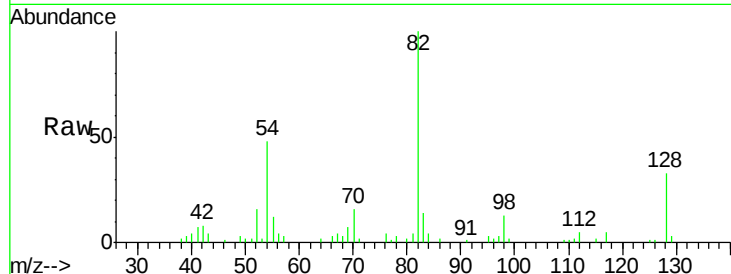




#23
 Nitrobenzene-d5
 Concen: 3.65 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085772.D
 Acq: 25 Mar 2016 20:17

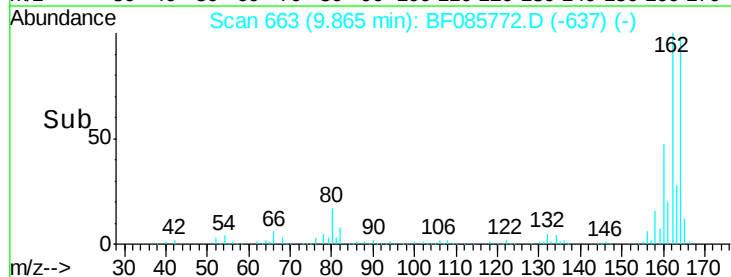
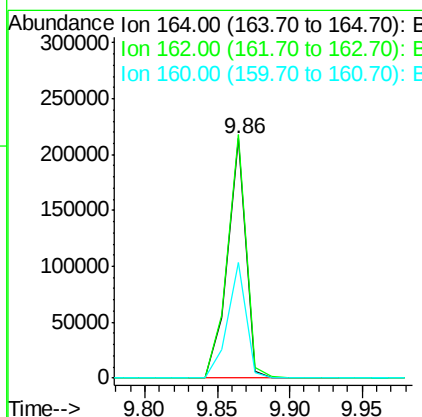
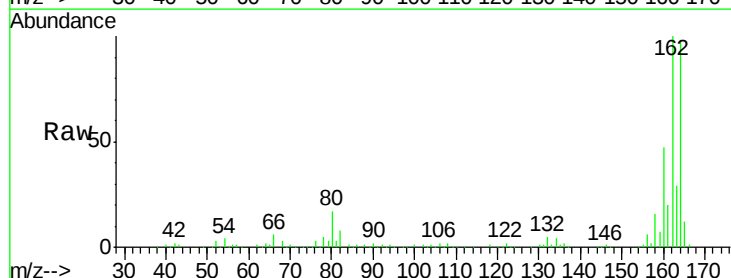
Instrument :
 BNA_F
 ClientSampleId :
 SB-5A

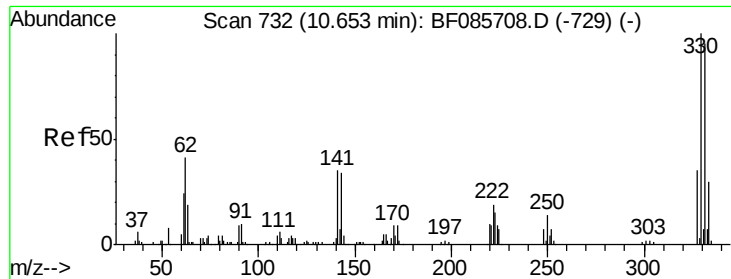
Tgt Ion: 82 Resp: 31008
 Ion Ratio Lower Upper
 82 100
 128 33.5 41.8 62.8#
 54 48.5 33.4 50.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085772.D
 Acq: 25 Mar 2016 20:17

Tgt Ion: 164 Resp: 190050
 Ion Ratio Lower Upper
 164 100
 162 101.6 82.1 123.1
 160 48.0 37.4 56.2

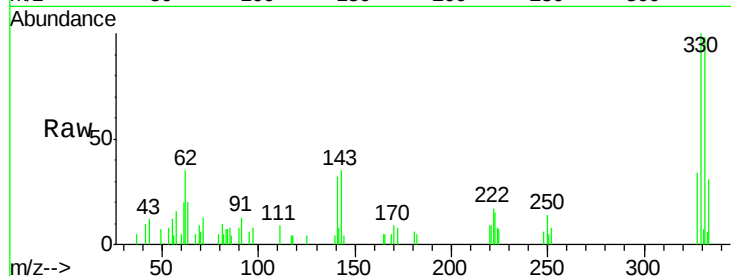




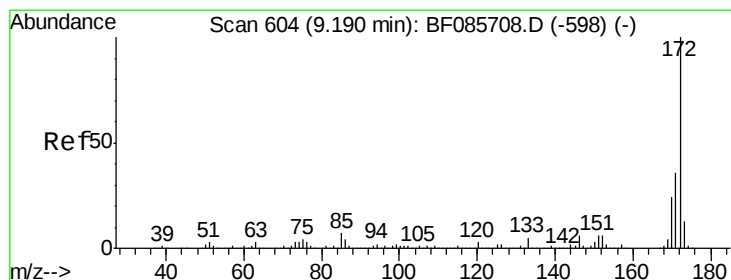
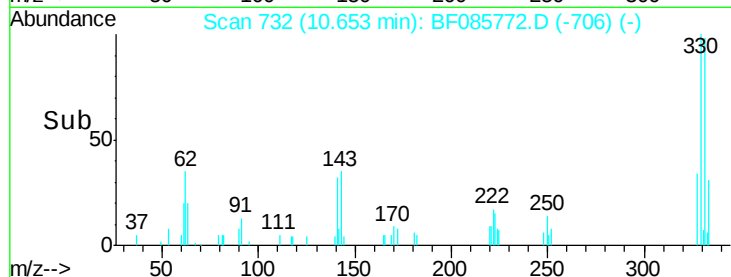
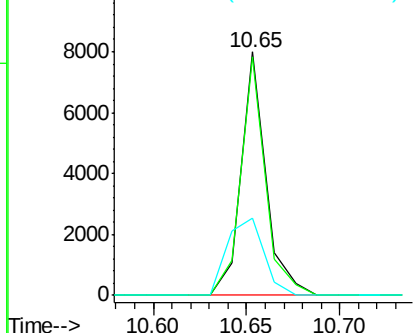
#41
 2,4,6-Tribromophenol
 Concen: 4.13 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085772.D
 Acq: 25 Mar 2016 20:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-5A

Tgt Ion:330 Resp: 7453
 Ion Ratio Lower Upper
 330 100
 332 96.6 78.2 117.2
 141 46.8 31.5 47.3

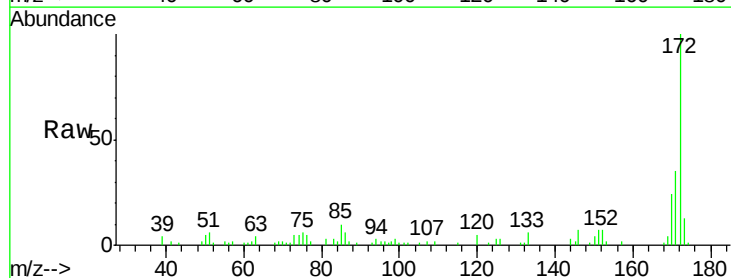


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

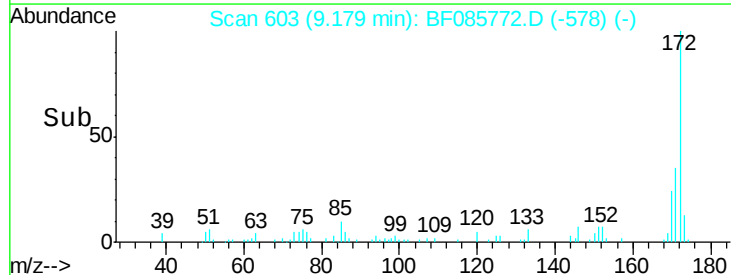
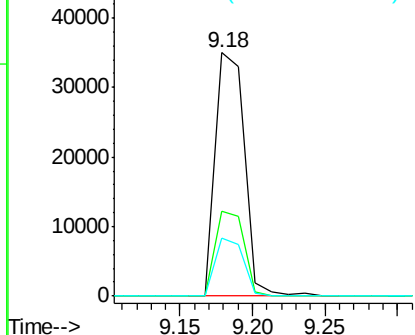


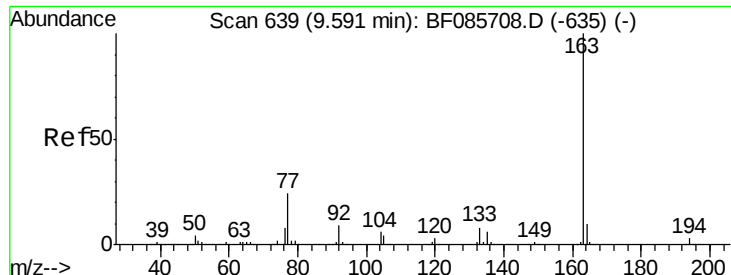
#44
 2-Fluorobiphenyl
 Concen: 4.29 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085772.D
 Acq: 25 Mar 2016 20:17

Tgt Ion:172 Resp: 48823
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.4 44.2
 170 24.0 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





#49

Dimethylphthalate

Concen: 9.43 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085772.D

Acq: 25 Mar 2016 20:17

Instrument :

BNA_F

ClientSampleId :

SB-5A

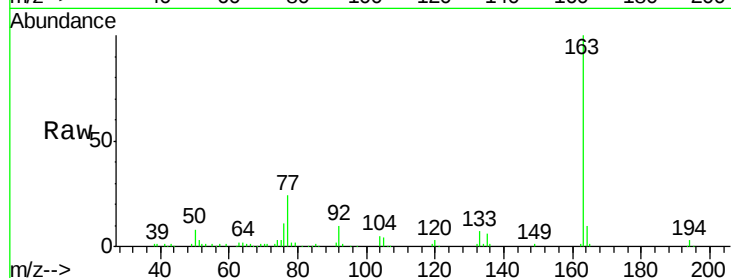
Tgt Ion:163 Resp: 135990

Ion Ratio Lower Upper

163 100

194 3.1 2.9 4.3

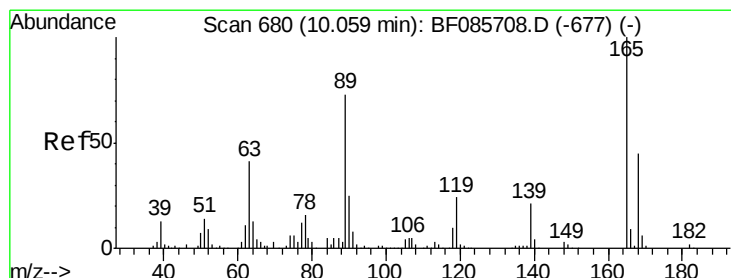
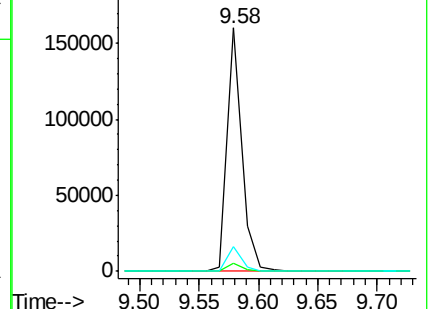
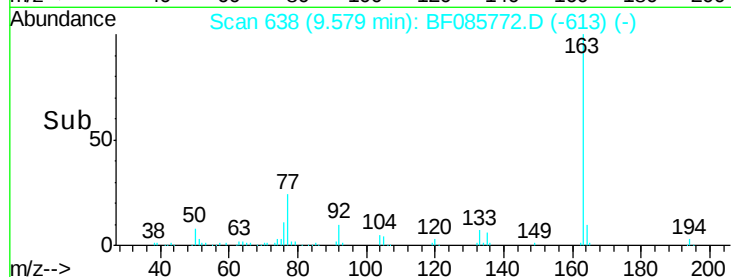
164 10.1 8.3 12.5



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: 6.17 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.19 min

Lab File: BF085772.D

Acq: 25 Mar 2016 20:17

Tgt Ion:165 Resp: 24322

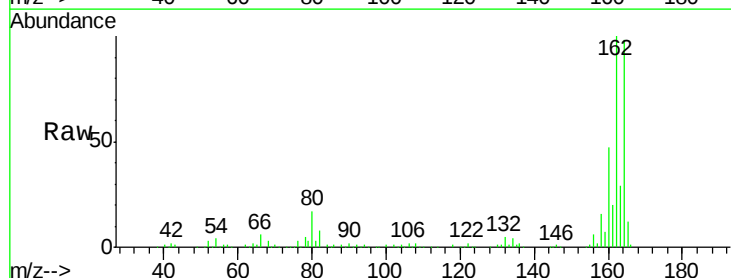
Ion Ratio Lower Upper

165 100

63 1.2 24.9 37.3#

89 1.6 41.0 61.6#

182 0.0 2.1 3.1#

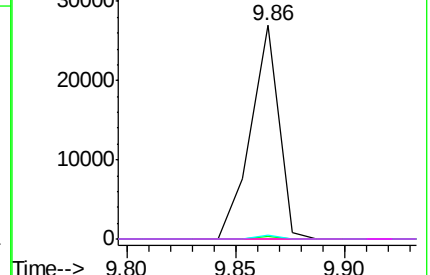
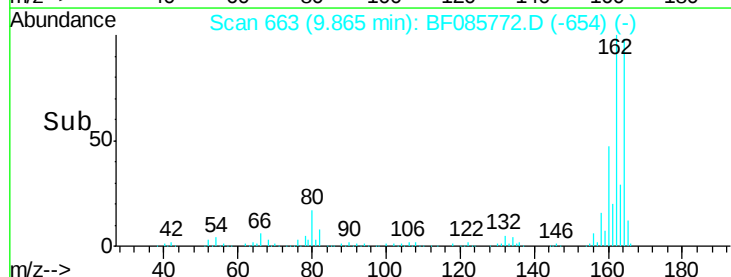


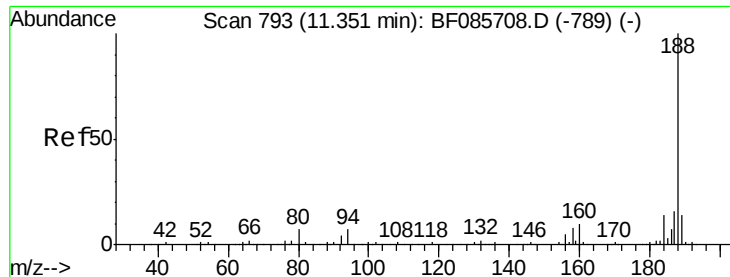
Abundance Ion 165.00 (164.70 to 165.70): E

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

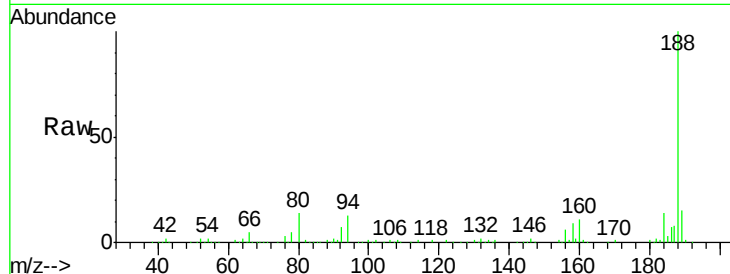




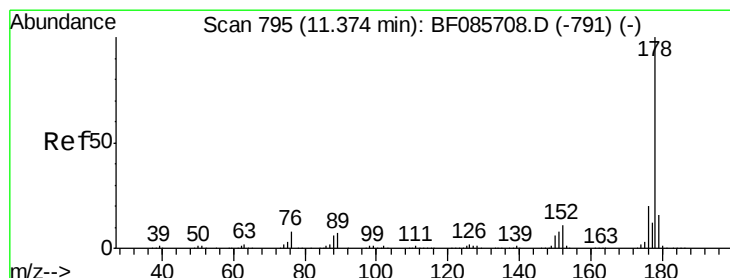
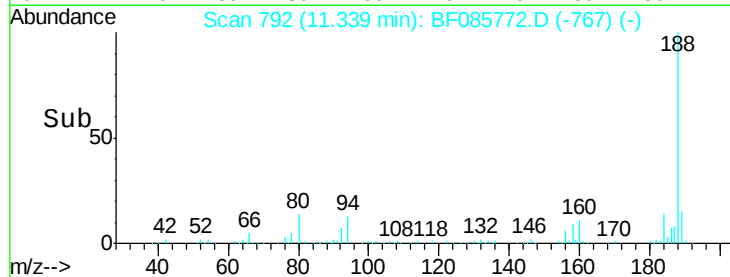
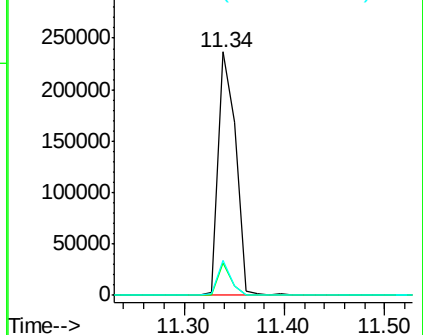
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085772.D
Acq: 25 Mar 2016 20:17

Instrument :
BNA_F
ClientSampleId :
SB-5A

Tgt Ion:188 Resp: 286047
Ion Ratio Lower Upper
188 100
94 13.2 5.4 8.0#
80 14.3 5.5 8.3#

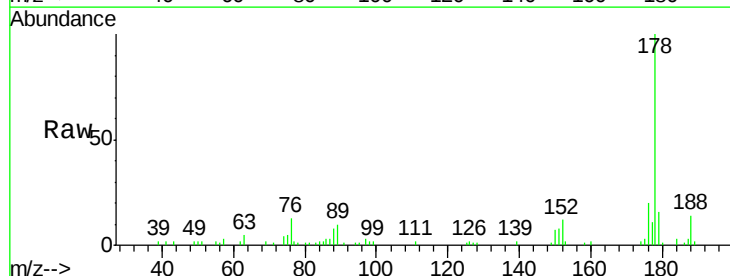


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

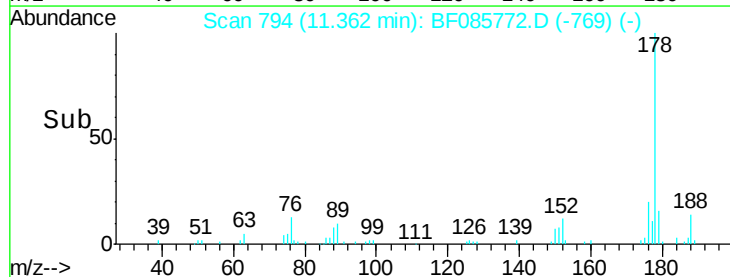
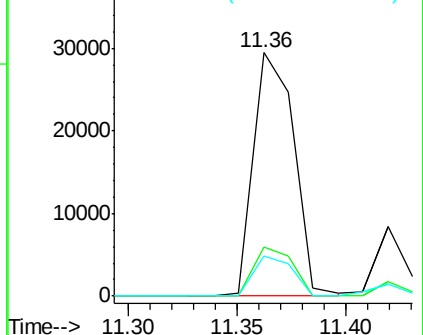


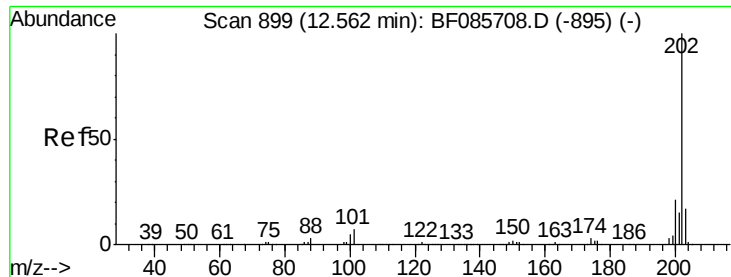
#70
Phenanthrene
Concen: 2.61 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF085772.D
Acq: 25 Mar 2016 20:17

Tgt Ion:178 Resp: 38355
Ion Ratio Lower Upper
178 100
176 20.1 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

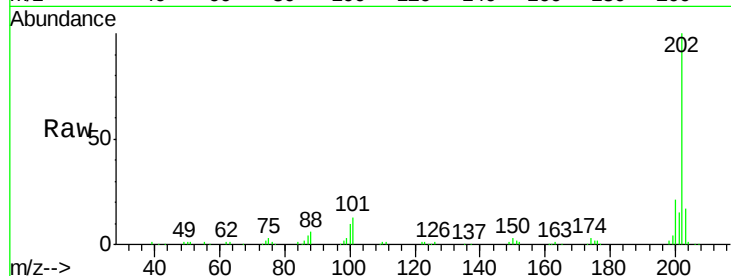




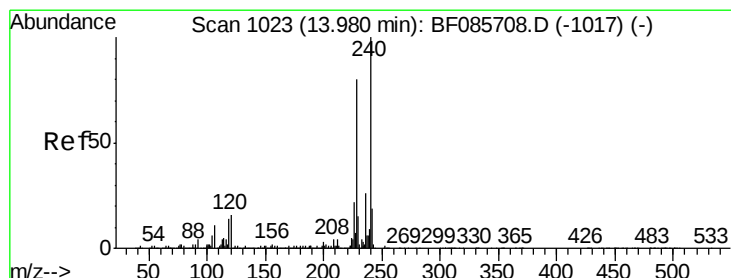
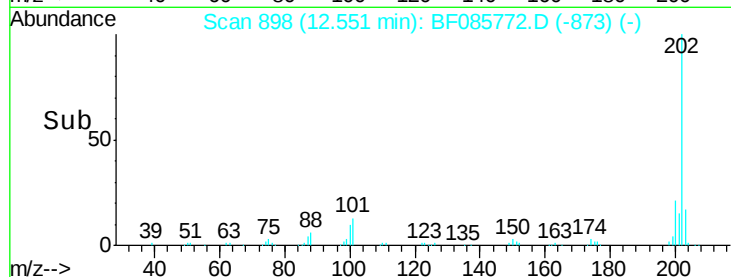
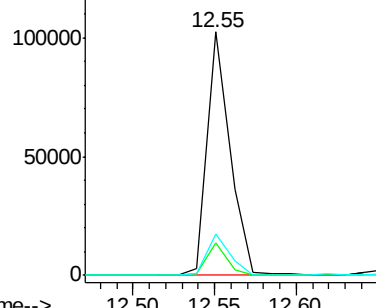
#74
 Fluoranthene
 Concen: 6.35 ng
 RT: 12.55 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF085772.D
 Acq: 25 Mar 2016 20:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-5A

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	36.6
203	17.1	0.0	38.1

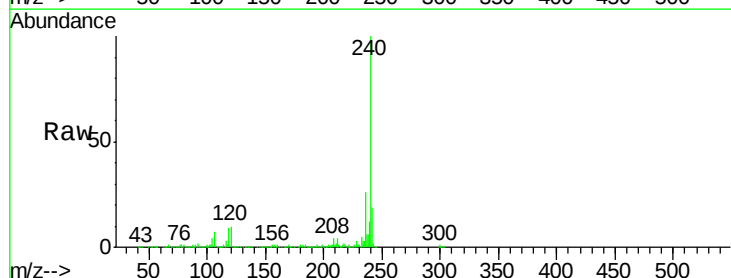


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

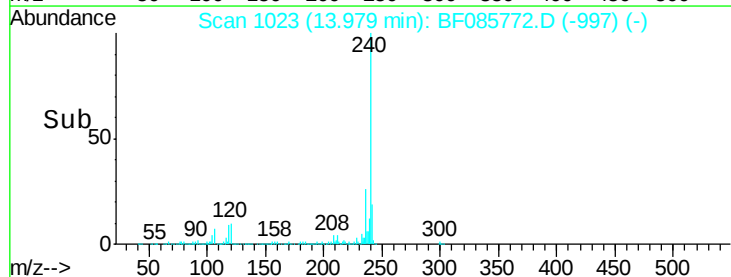
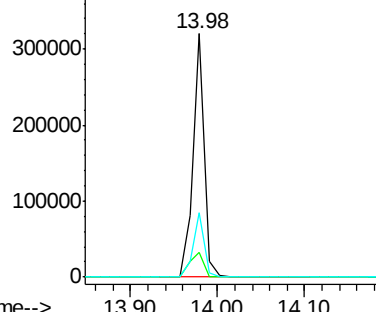


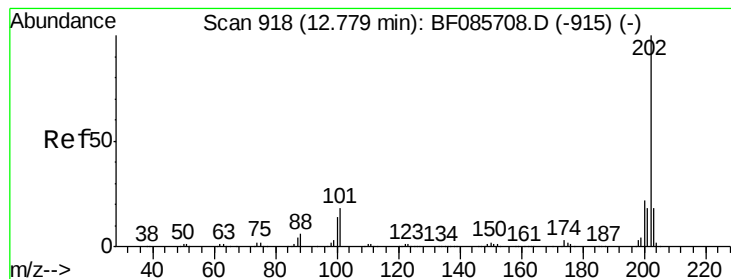
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.98 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BF085772.D
 Acq: 25 Mar 2016 20:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	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: 3.82 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085772.D

Acq: 25 Mar 2016 20:17

Instrument :

BNA_F

ClientSampleId :

SB-5A

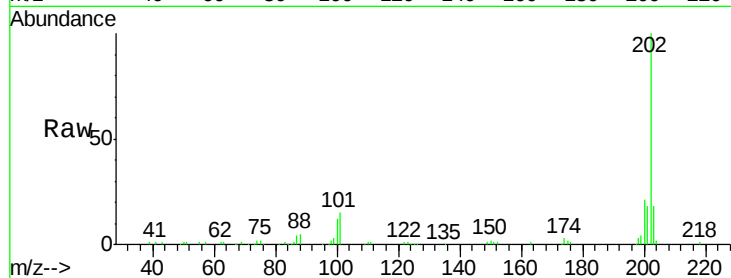
Tgt Ion:202 Resp: 92755

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

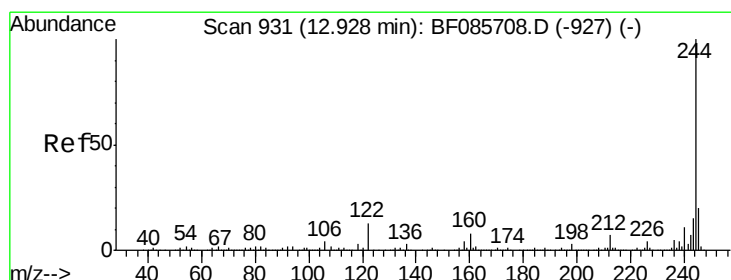
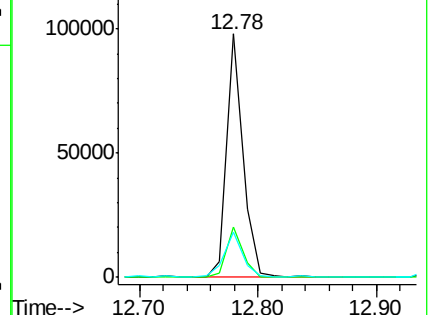
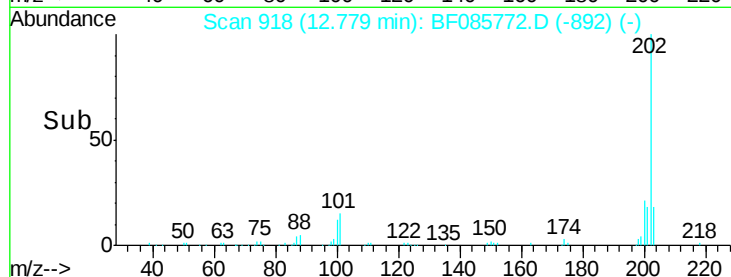
203 18.3 14.0 21.0



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: 2.43 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085772.D

Acq: 25 Mar 2016 20:17

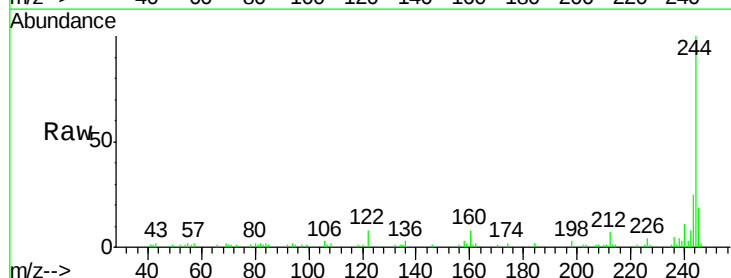
Tgt Ion:244 Resp: 34892

Ion Ratio Lower Upper

244 100

212 6.6 6.1 9.1

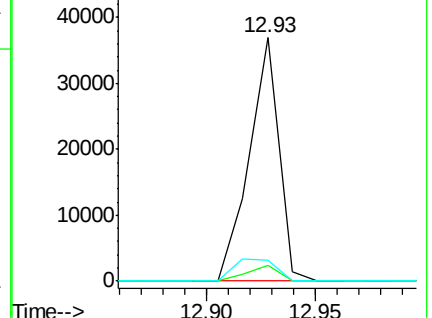
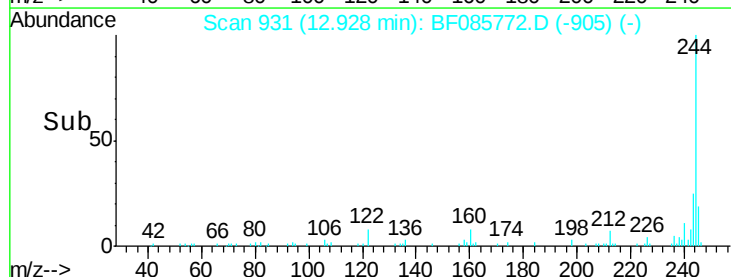
122 8.5 10.2 15.4#

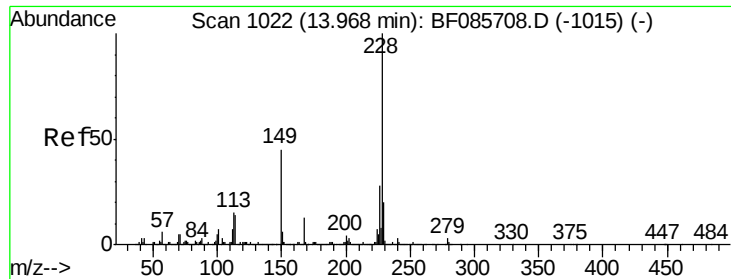


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

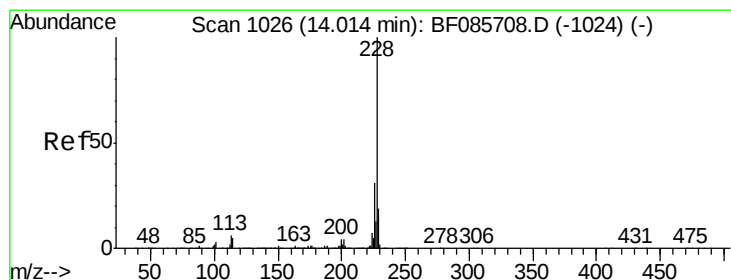
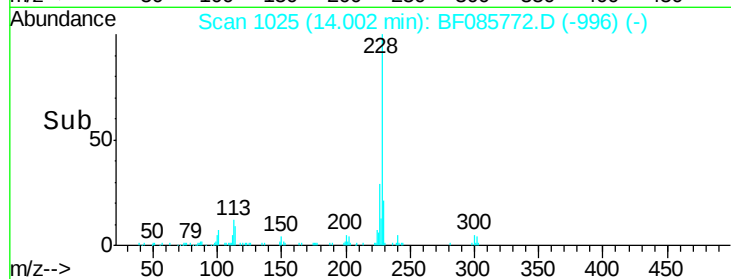
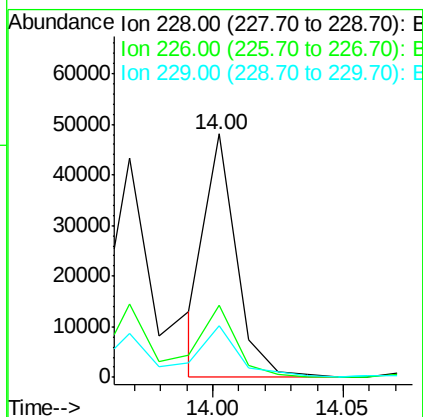
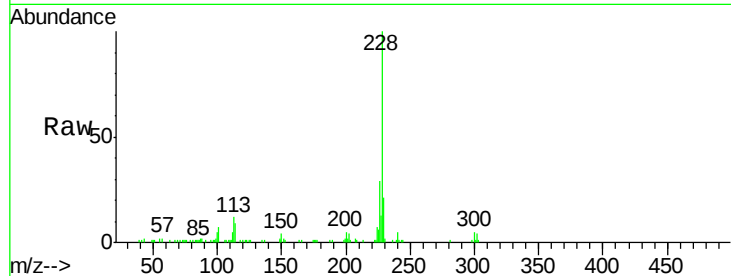




#80
Benzo(a)anthracene
Concen: 2.32 ng
RT: 14.00 min Scan# 1025
Delta R.T. 0.03 min
Lab File: BF085772.D
Acq: 25 Mar 2016 20:17

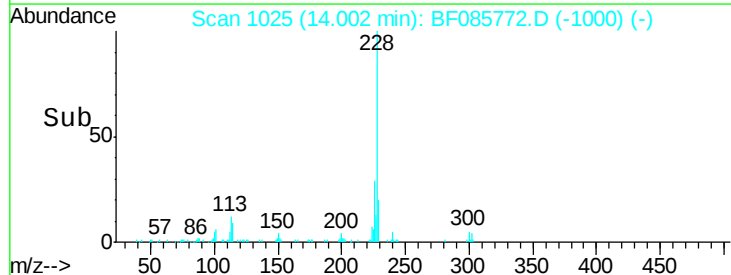
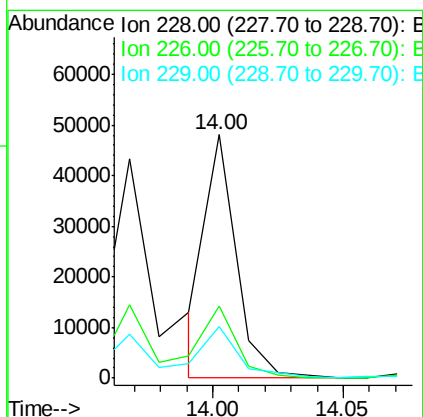
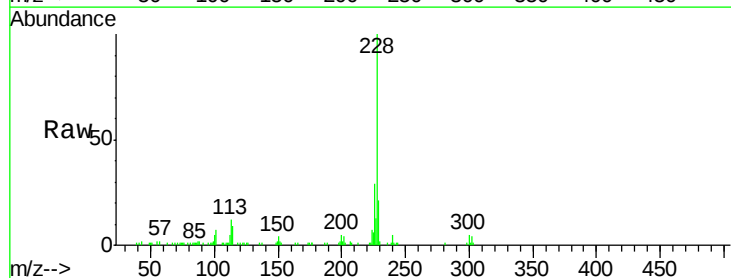
Instrument :
BNA_F
ClientSampleId :
SB-5A

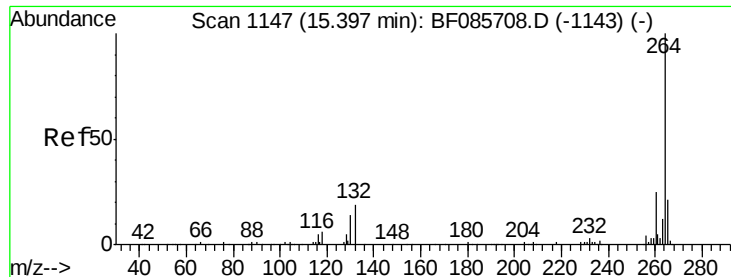
Tgt Ion:228 Resp: 39082
Ion Ratio Lower Upper
228 100
226 29.5 22.1 33.1
229 21.4 16.2 24.4



#82
Chrysene
Concen: 2.30 ng
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085772.D
Acq: 25 Mar 2016 20:17

Tgt Ion:228 Resp: 39082
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 21.4 15.7 23.5



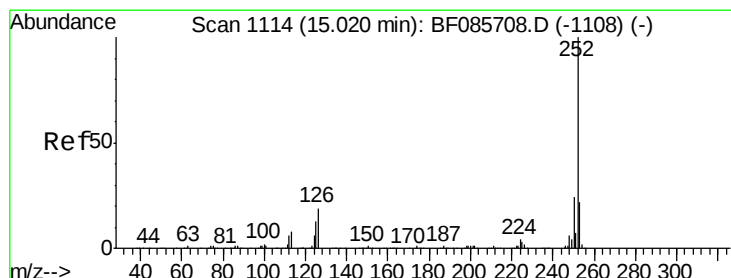
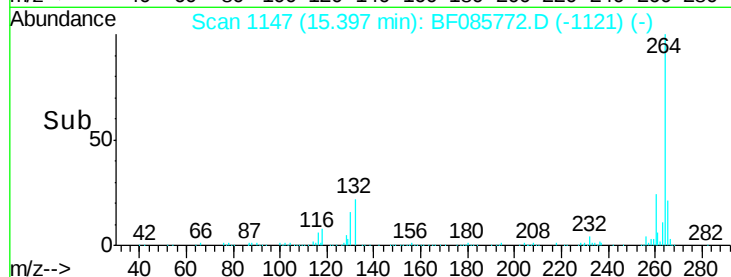
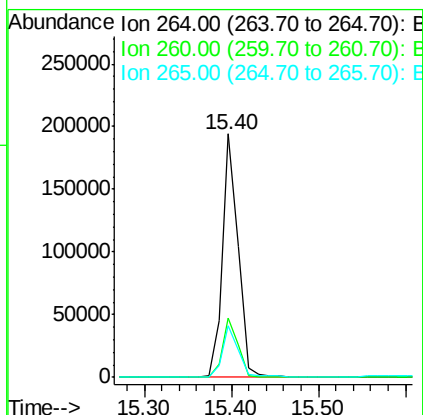
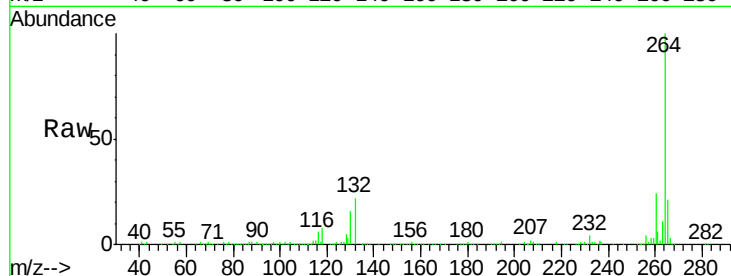


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085772.D
Acq: 25 Mar 2016 20:17

Instrument :
BNA_F
ClientSampleId :
SB-5A

Tgt Ion: 264 Resp: 246405

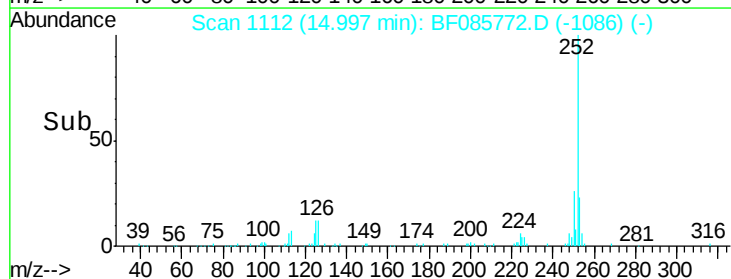
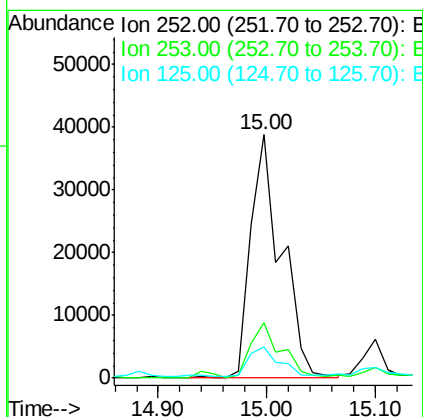
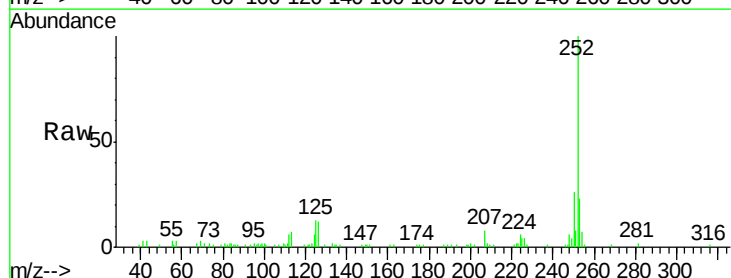
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.0	17.2	25.8

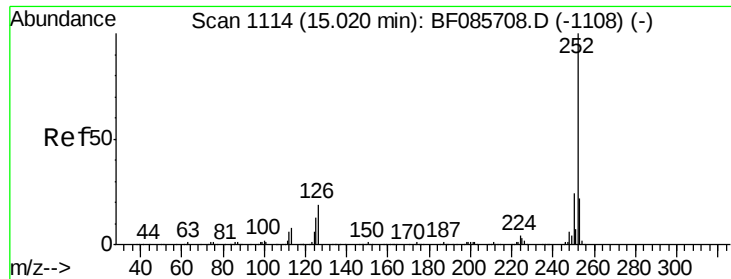


#87
Benzo(b)fluoranthene
Concen: 4.89 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BF085772.D
Acq: 25 Mar 2016 20:17

Tgt Ion: 252 Resp: 75961

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	12.7	10.3	15.5

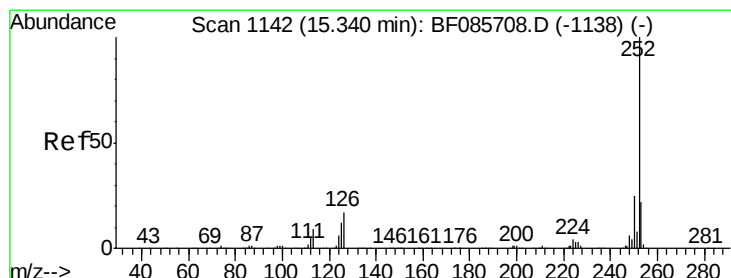
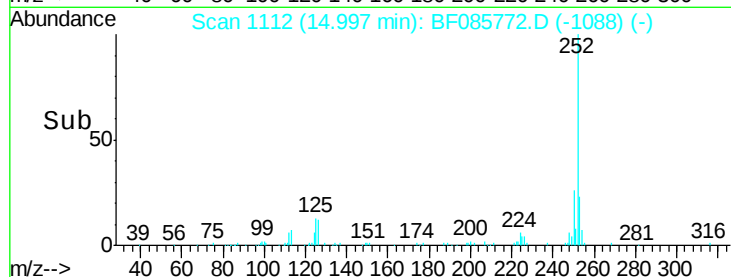
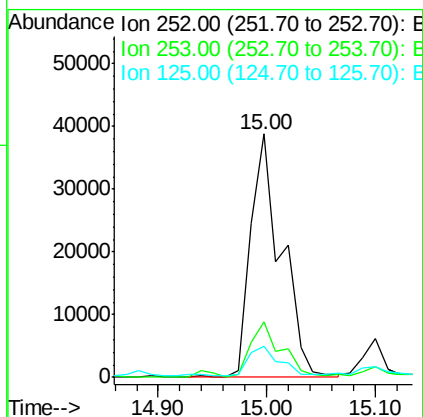
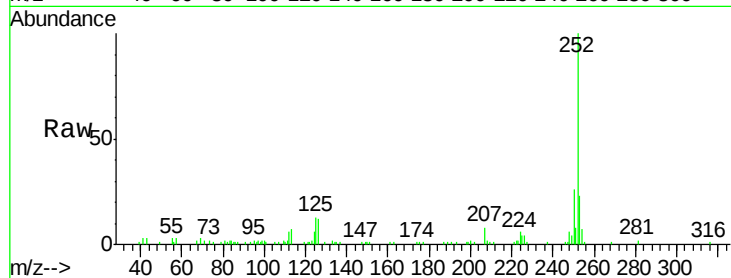




#88
Benzo(k)fluoranthene
Concen: 5.43 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.02 min
Lab File: BF085772.D
Acq: 25 Mar 2016 20:17

Instrument :
BNA_F
ClientSampleId :
SB-5A

Tgt Ion: 252 Resp: 75961
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 12.7 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 2.59 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085772.D
Acq: 25 Mar 2016 20:17

Tgt Ion: 252 Resp: 35695
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 12.7 10.3 15.5

