

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087878.D
 Acq On : 10 Jun 2016 16:56
 Operator : UM/SJ
 Sample : H3426-11 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

Quant Time: Jun 10 17:43:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

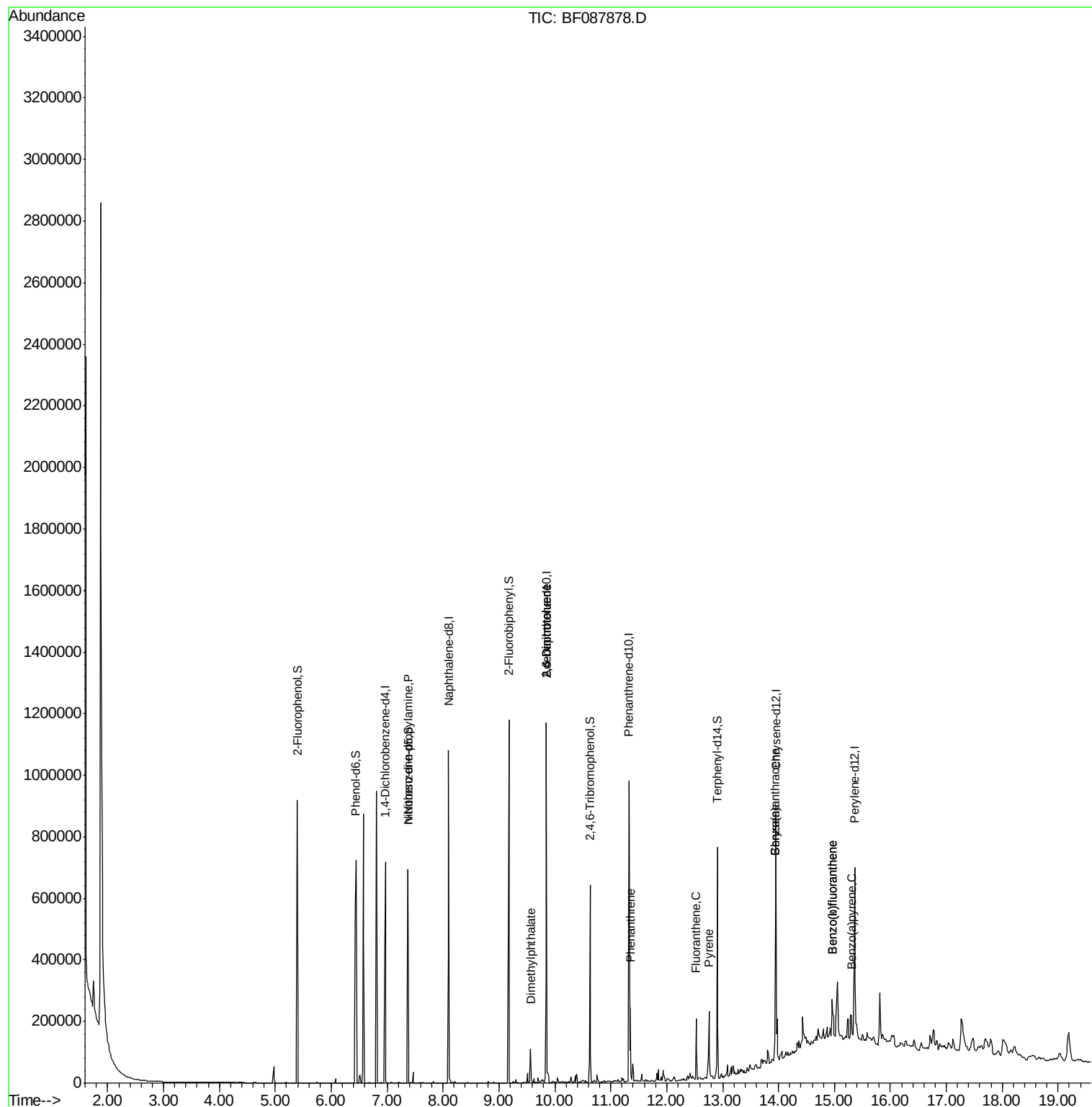
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	141446	20.00	ng	0.13
21) Naphthalene-d8	8.10	136	532620	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	230458	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	314579	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	291693	20.00	ng	-0.03
86) Perylene-d12	15.36	264	244736	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	261645	31.62	ng	-0.03
7) Phenol-d6	6.44	99	360380	35.94	ng	-0.03
23) Nitrobenzene-d5	7.37	82	208228	22.83	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	64186	26.38	ng	-0.05
44) 2-Fluorobiphenyl	9.18	172	416759	24.46	ng	-0.03
78) Terphenyl-d14	12.90	244	214009	16.70	ng	-0.05
Target Compounds						
10) Phenol	6.46	94	2509	Below Cal		Qvalue 95
19) n-Nitroso-di-n-propylamine	7.37	70	26804	4.18 ng	#	75
45) 1,1'-Biphenyl	9.27	154	532	Below Cal		89
49) Dimethylphthalate	9.56	163	40157	2.41 ng		100
50) 2,6-Dinitrotoluene	9.85	165	29928	7.83 ng	#	40
56) 2,4-Dinitrotoluene	9.85	165	29929	6.09 ng	#	38
57) Fluorene	10.39	166	8192	Below Cal		95
70) Phenanthrene	11.35	178	81082	4.91 ng		97
74) Fluoranthene	12.52	202	94443	5.42 ng		95
77) Pyrene	12.75	202	93095	4.30 ng		99
80) Benzo(a)anthracene	13.94	228	53574	3.22 ng		97
82) Chrysene	13.94	228	53574	3.43 ng		97
87) Benzo(b)fluoranthene	14.96	252	90676	5.32 ng	#	92
88) Benzo(k)fluoranthene	14.96	252	90676	7.05 ng		97
89) Benzo(a)pyrene	15.30	252	44211	3.20 ng		95

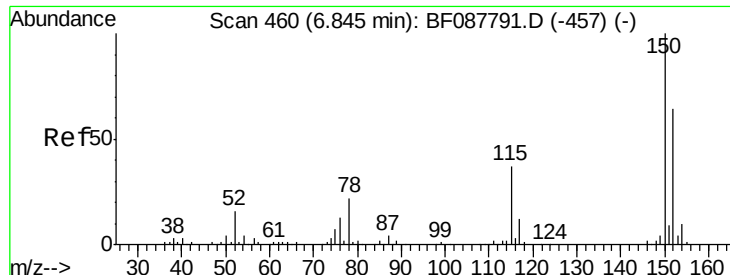
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 07 18:51:55 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.13 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

Instrument :

BNA_F

ClientSampleId :

DUP-4

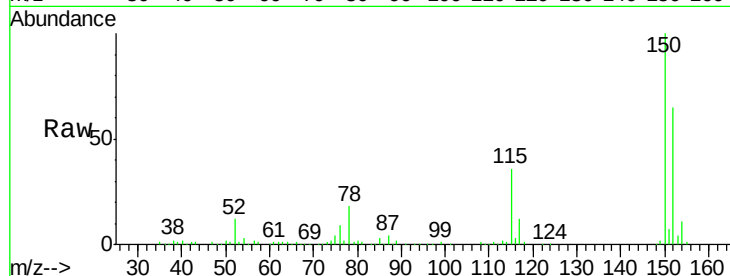
Tgt Ion:152 Resp: 141446

Ion Ratio Lower Upper

152 100

150 153.9 123.8 185.6

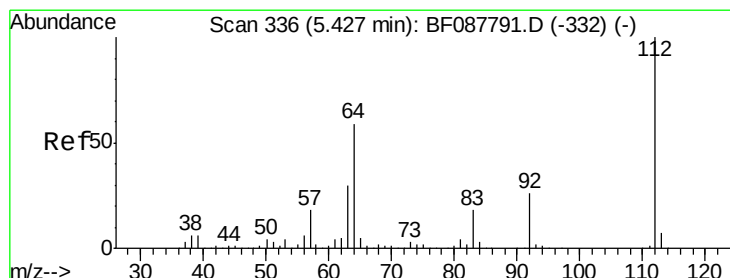
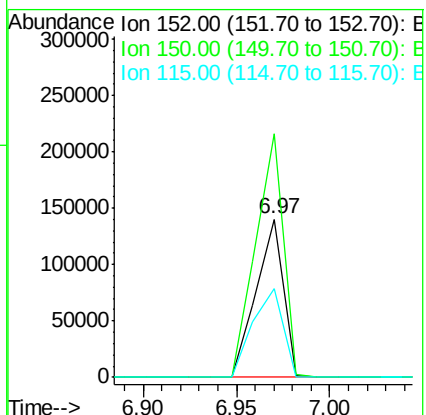
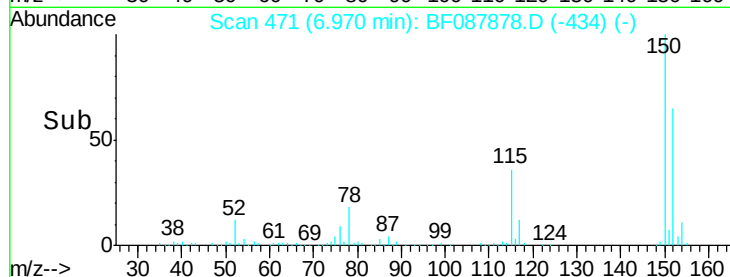
115 56.1 39.6 59.4



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: 31.62 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

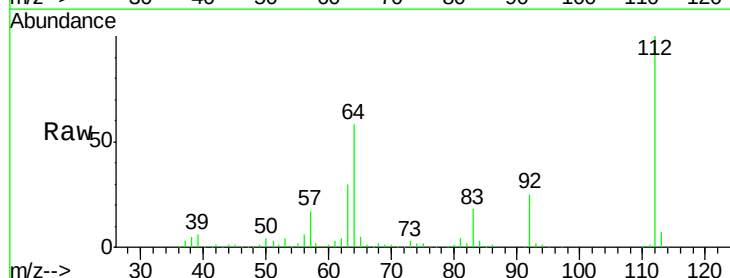
Tgt Ion:112 Resp: 261645

Ion Ratio Lower Upper

112 100

64 58.0 42.2 63.2

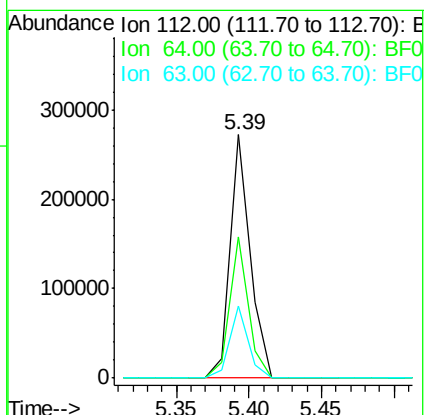
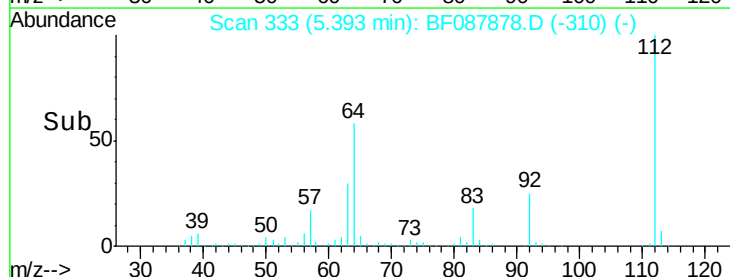
63 29.7 21.8 32.8

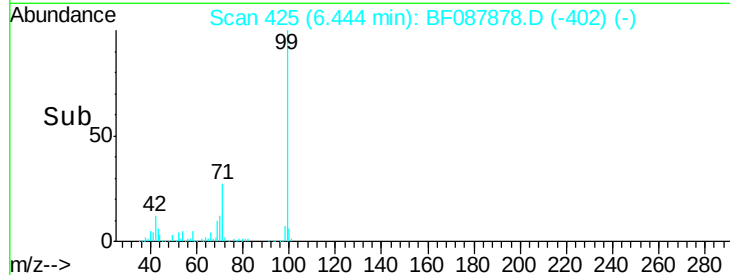
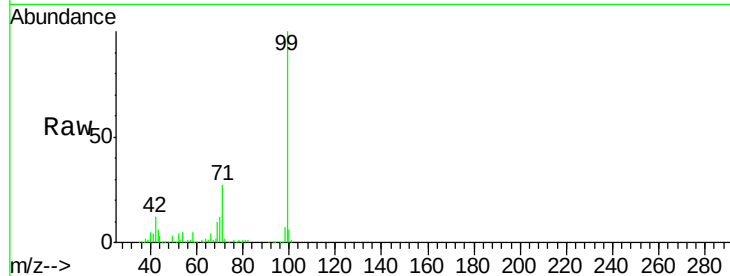
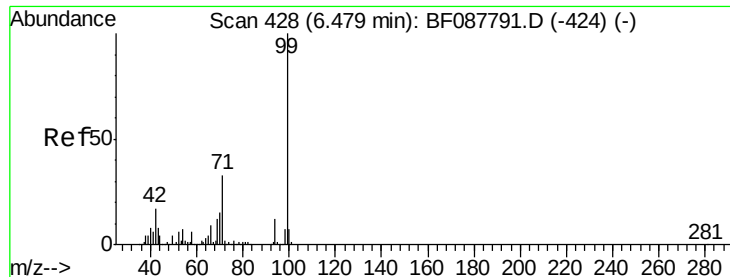


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.94 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

Instrument :

BNA_F

ClientSampleId :

DUP-4

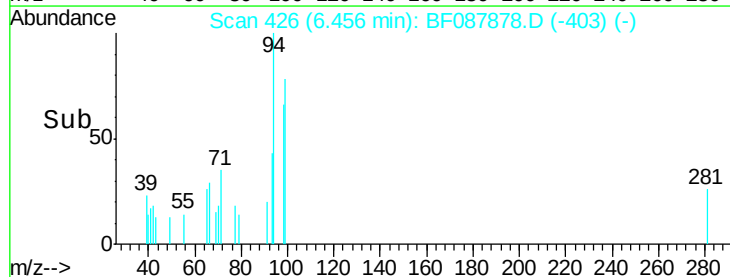
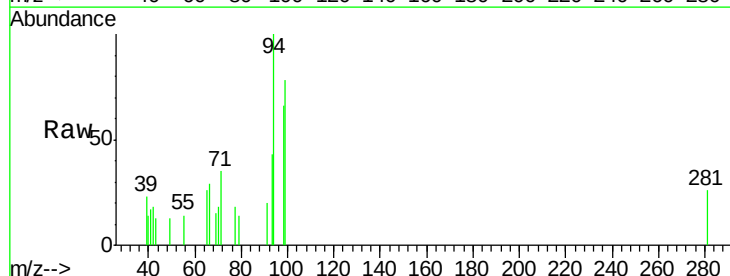
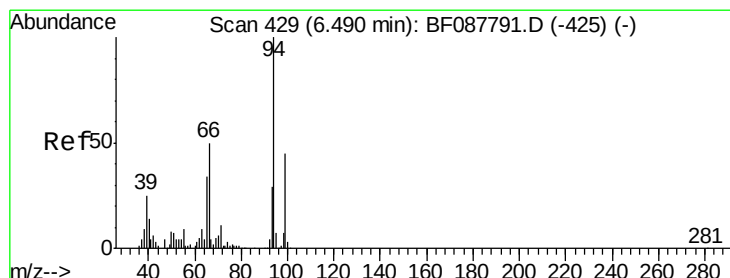
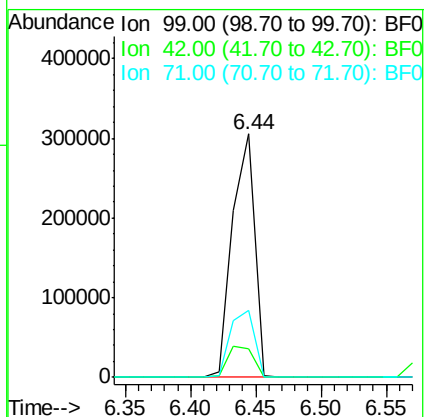
Tgt Ion: 99 Resp: 360380

Ion Ratio Lower Upper

99 100

42 11.7 12.2 18.2#

71 27.4 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

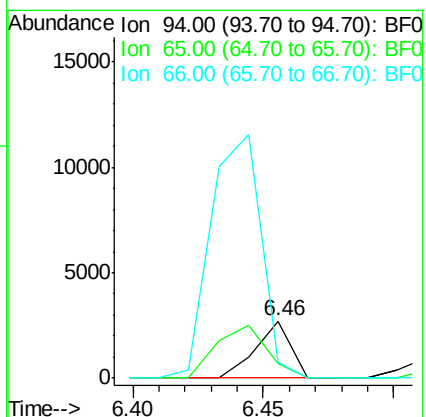
Tgt Ion: 94 Resp: 2509

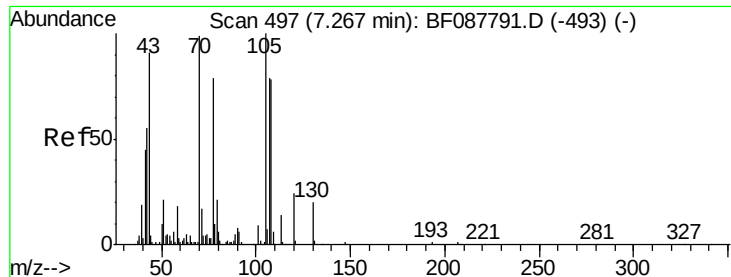
Ion Ratio Lower Upper

94 100

65 25.7 5.9 45.9

66 28.7 14.0 54.0





#19

n-Nitroso-di-n-propylamine

Concen: 4.18 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

Instrument :

BNA_F

ClientSampleId :

DUP-4

Tgt Ion: 70 Resp: 26804

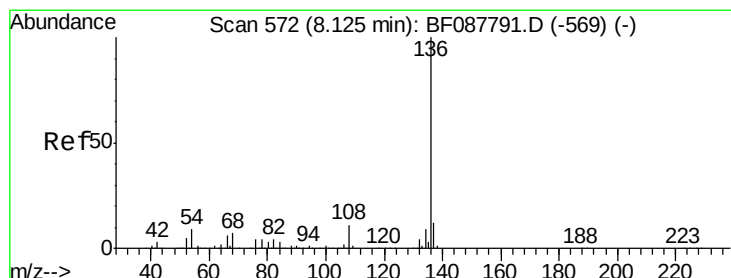
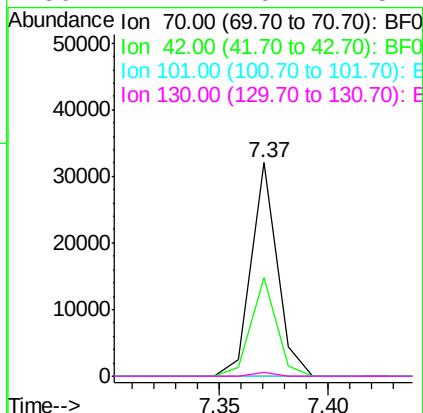
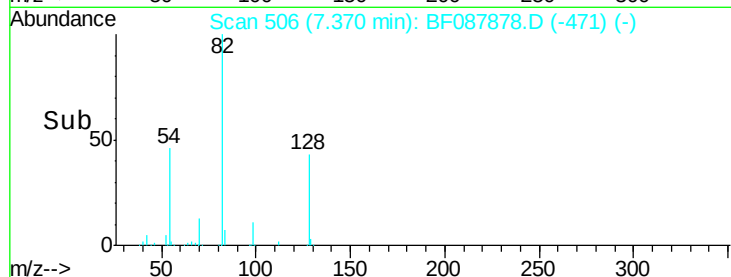
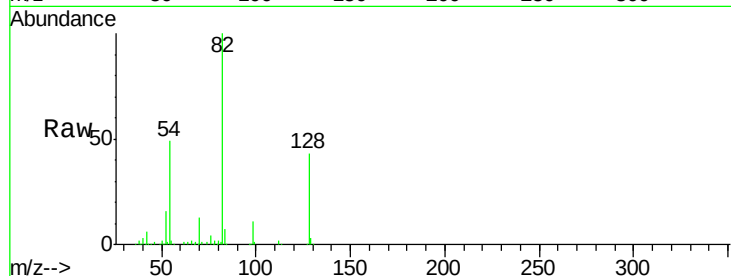
Ion Ratio Lower Upper

70 100

42 45.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

Tgt Ion: 136 Resp: 532620

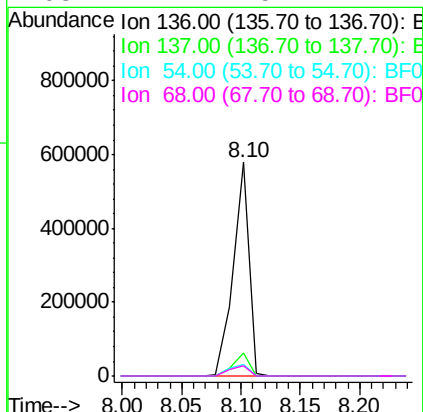
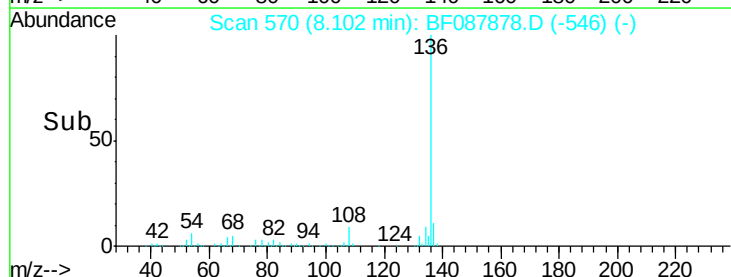
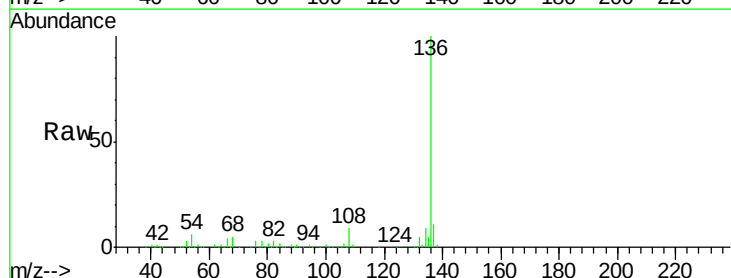
Ion Ratio Lower Upper

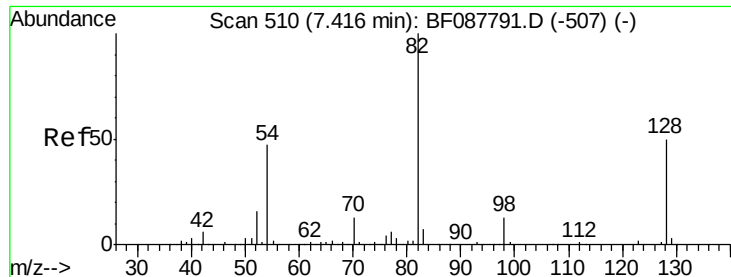
136 100

137 11.0 9.1 13.7

54 5.7 6.6 10.0#

68 4.7 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 22.83 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

Instrument :

BNA_F

ClientSampleId :

DUP-4

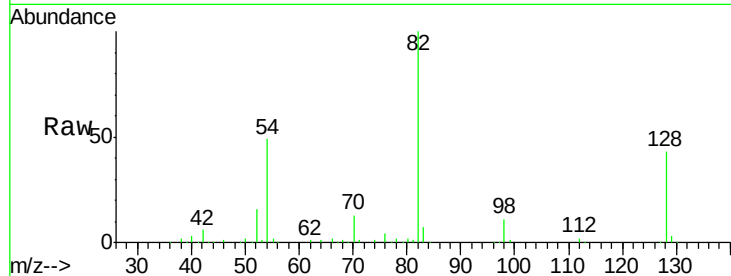
Tgt Ion: 82 Resp: 208228

Ion Ratio Lower Upper

82 100

128 42.8 35.9 53.9

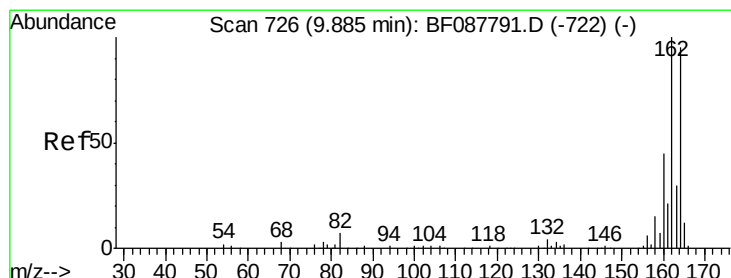
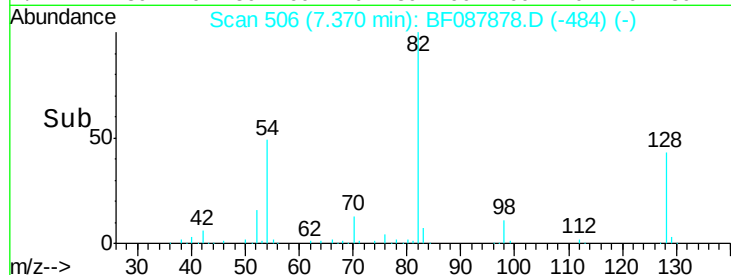
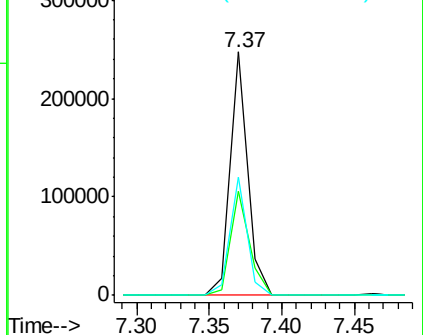
54 48.7 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

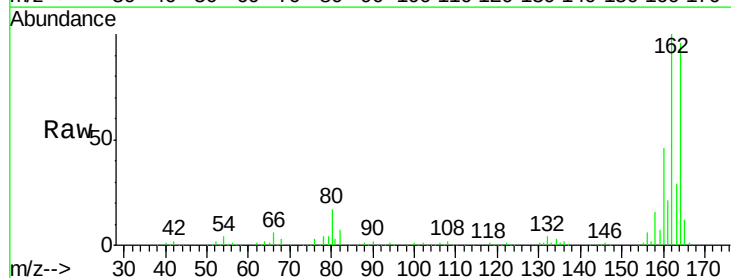
Tgt Ion: 164 Resp: 230458

Ion Ratio Lower Upper

164 100

162 104.0 85.4 128.2

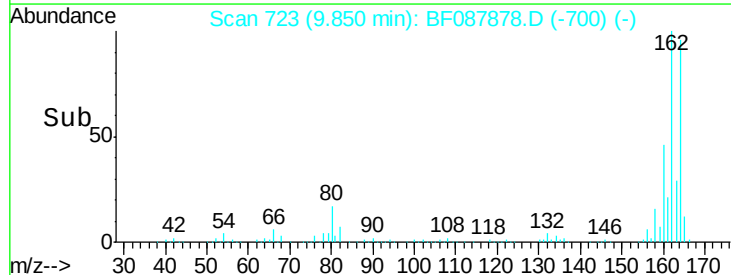
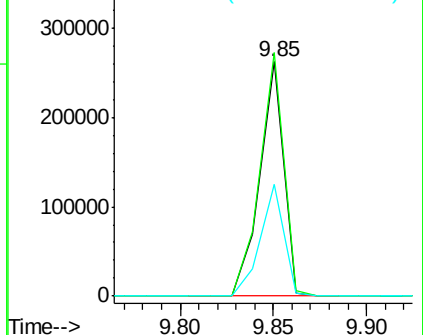
160 47.6 39.5 59.3

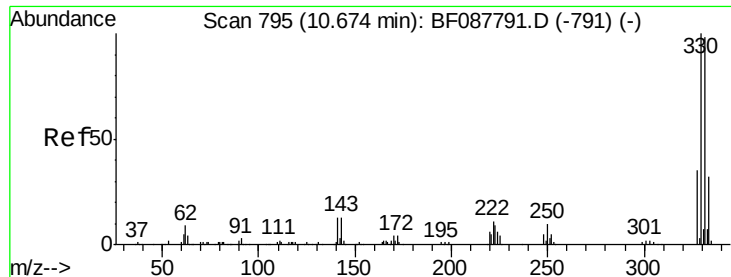


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

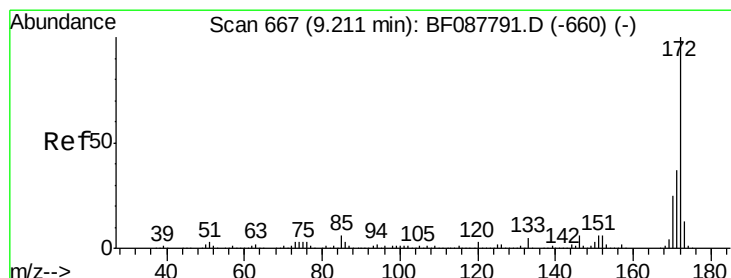
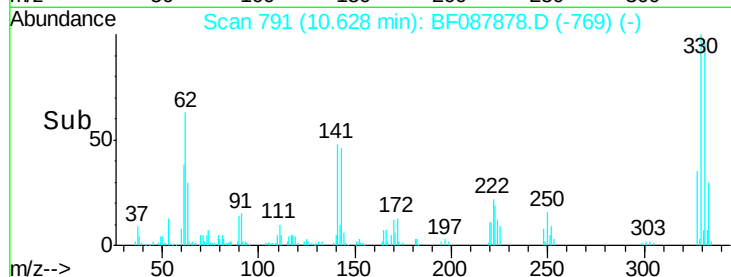
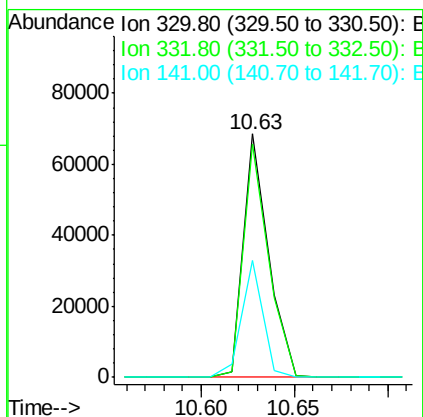
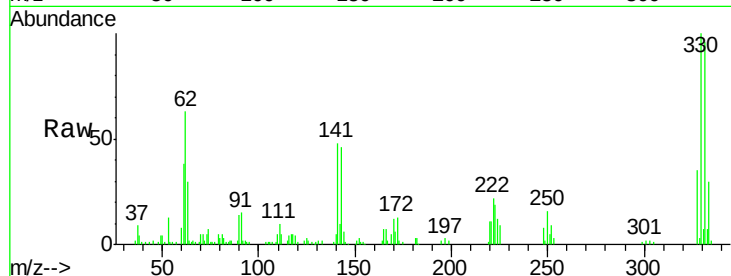




#41
 2,4,6-Tribromophenol
 Concen: 26.38 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087878.D
 Acq: 10 Jun 2016 16:56

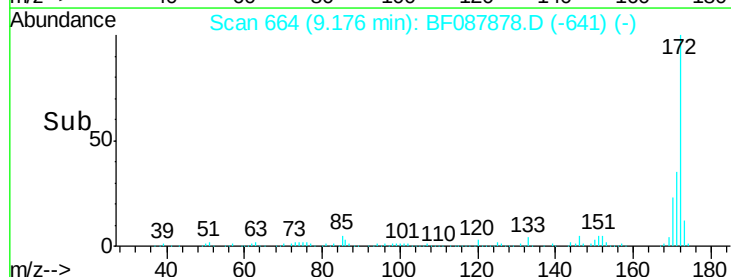
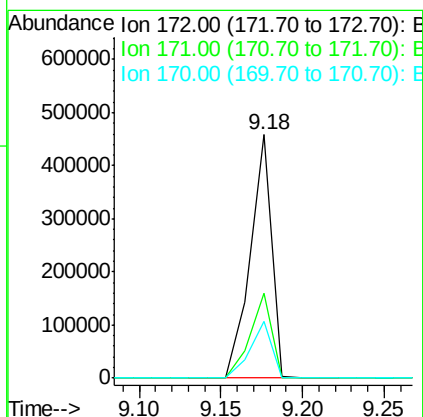
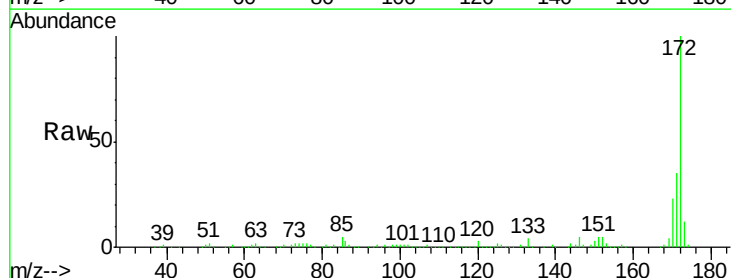
Instrument :
 BNA_F
 ClientSampled :
 DUP-4

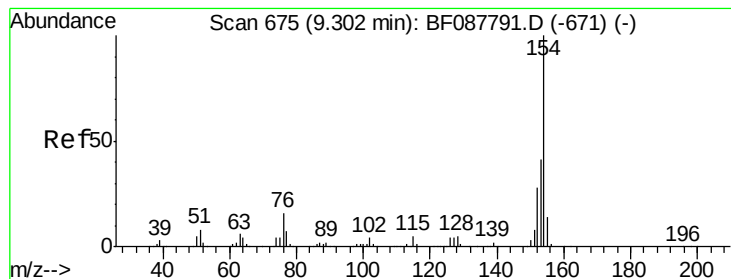
Tgt Ion: 330 Resp: 64186
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 41.1 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 24.46 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087878.D
 Acq: 10 Jun 2016 16:56

Tgt Ion: 172 Resp: 416759
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 43.0
 170 23.1 19.2 28.8





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.27 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

Instrument :

BNA_F

ClientSampleId :

DUP-4

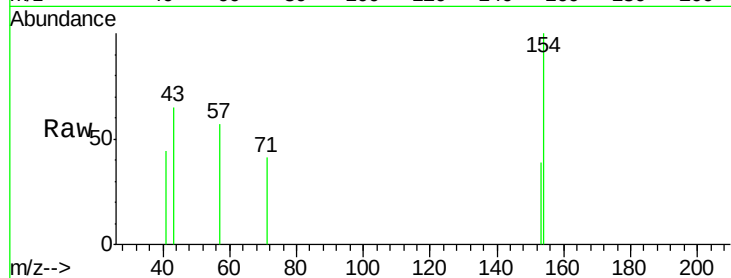
Tgt Ion:154 Resp: 532

Ion Ratio Lower Upper

154 100

153 39.3 20.6 60.6

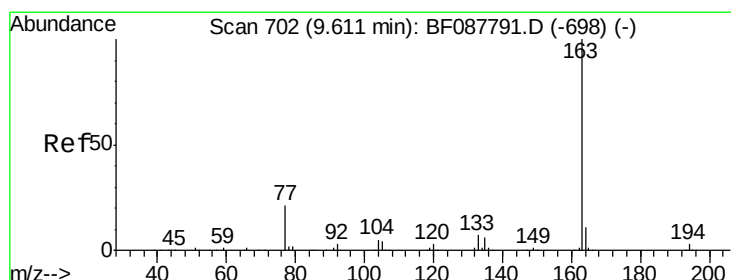
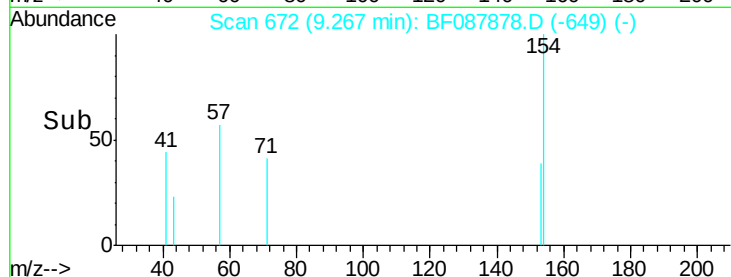
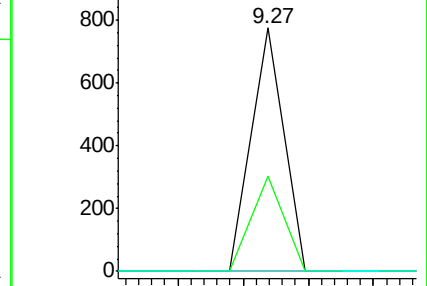
76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 2.41 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

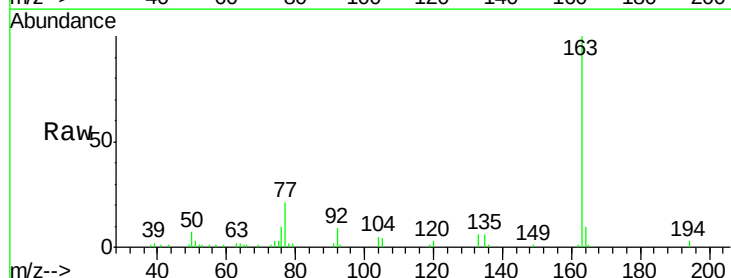
Tgt Ion:163 Resp: 40157

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

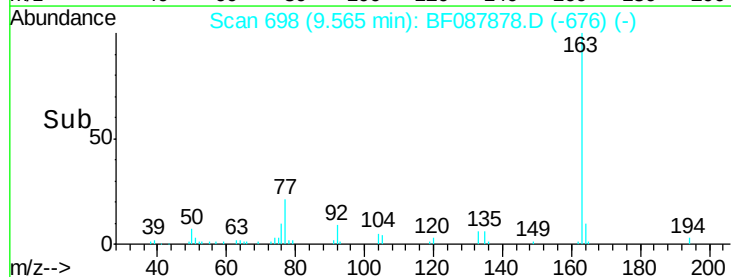
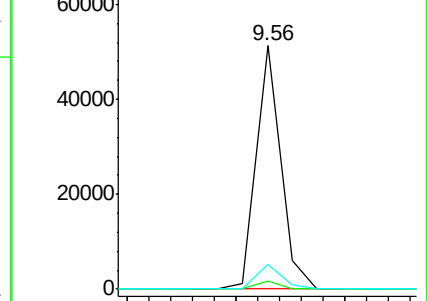
164 10.3 8.3 12.5

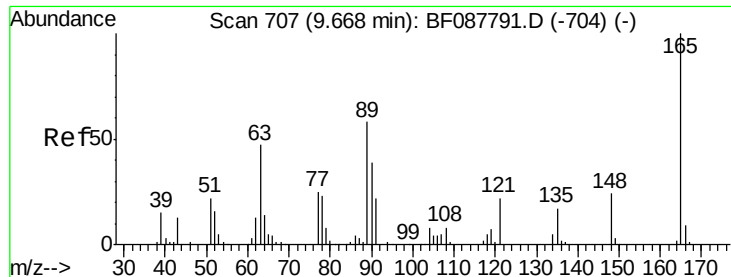


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

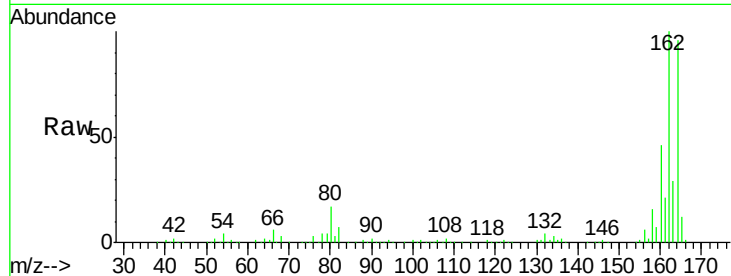




#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.85 min Scan# 723
 Delta R.T. 0.18 min
 Lab File: BF087878.D
 Acq: 10 Jun 2016 16:56

Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

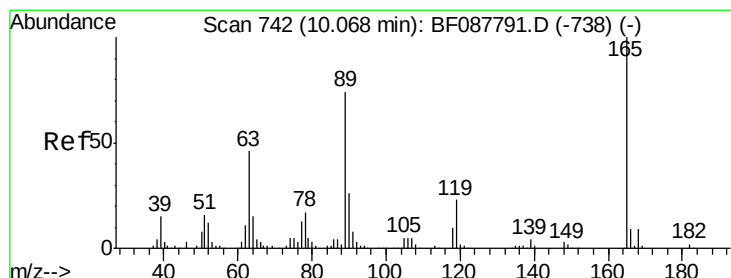
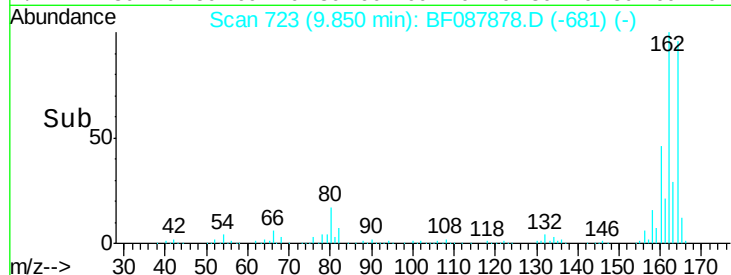
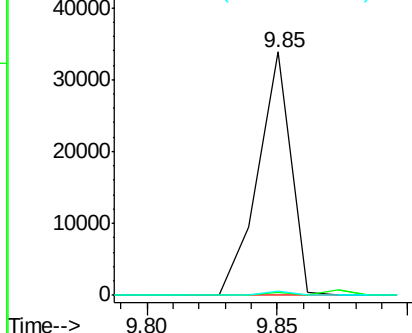
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.7	32.2	48.2#



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: 6.09 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.22 min
 Lab File: BF087878.D
 Acq: 10 Jun 2016 16:56

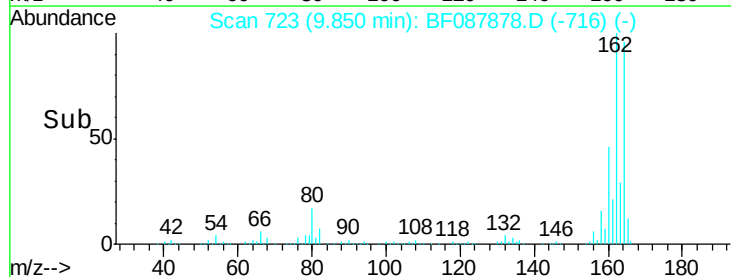
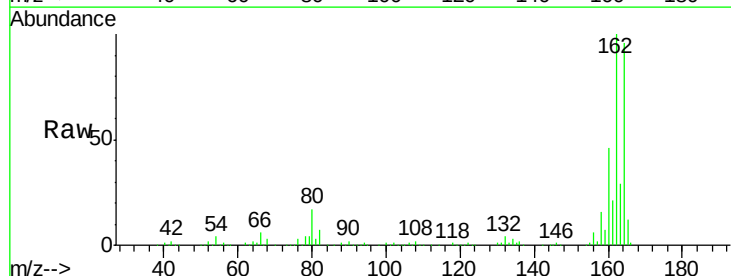
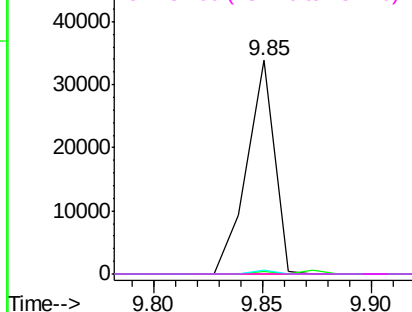
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#

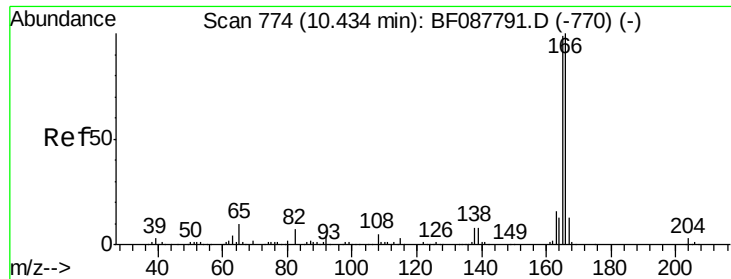
Abundance Ion 165.00 (164.70 to 165.70): E

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

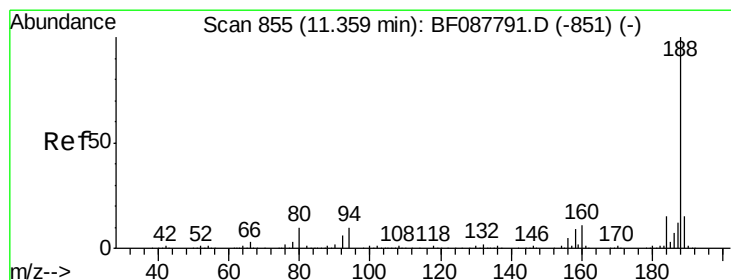
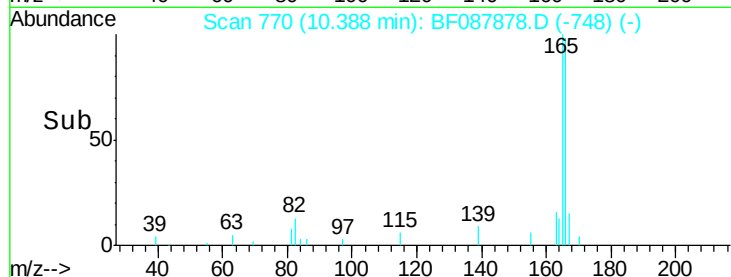
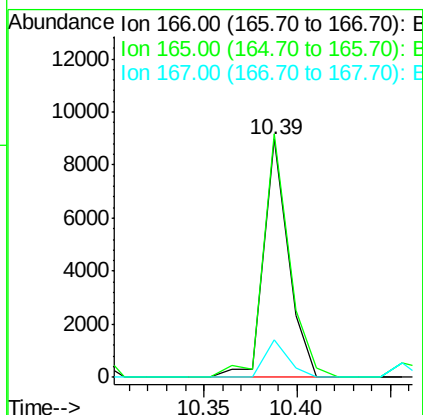
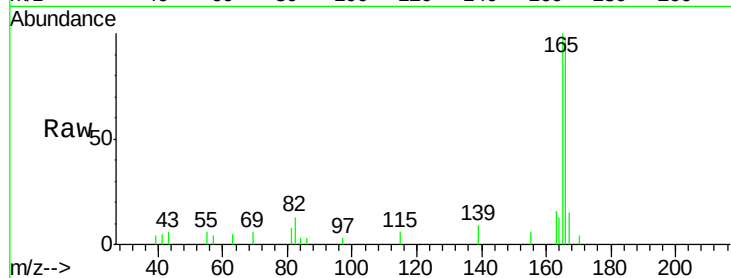




#57
 Fluorene
 Concen: Below Cal
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF087878.D
 Acq: 10 Jun 2016 16:56

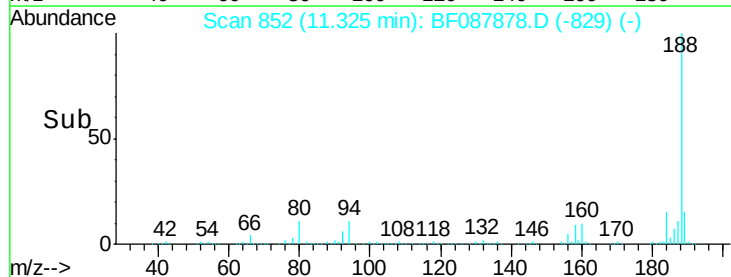
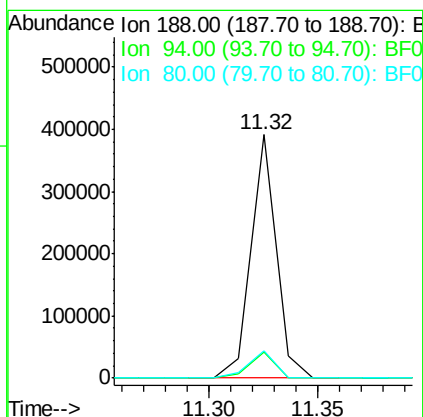
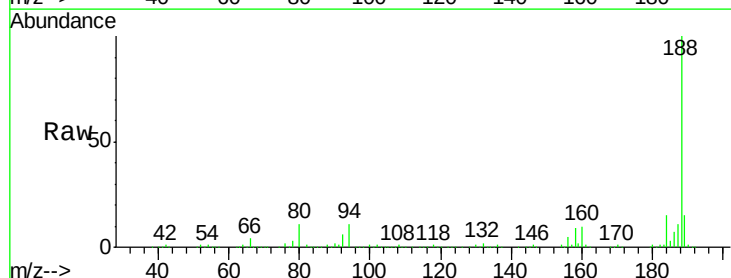
Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

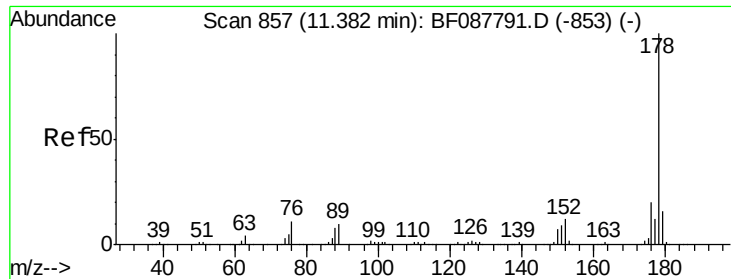
Tgt Ion:166 Resp: 8192
 Ion Ratio Lower Upper
 166 100
 165 102.2 77.8 116.8
 167 15.7 11.2 16.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: BF087878.D
 Acq: 10 Jun 2016 16:56

Tgt Ion:188 Resp: 314579
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.0 13.6
 80 11.1 10.0 15.0

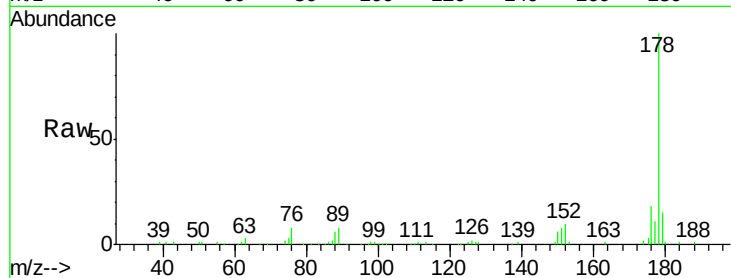




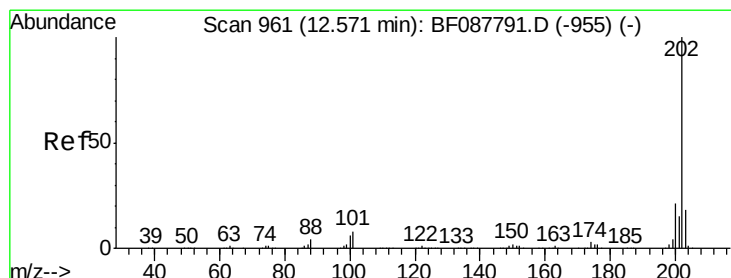
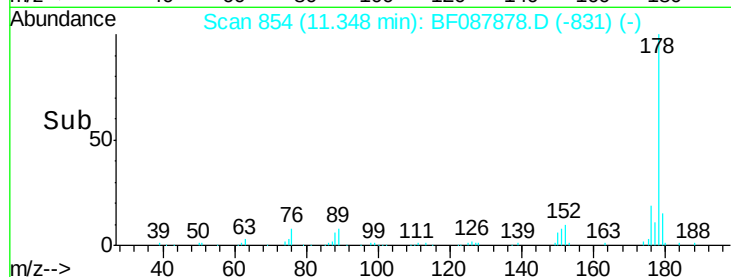
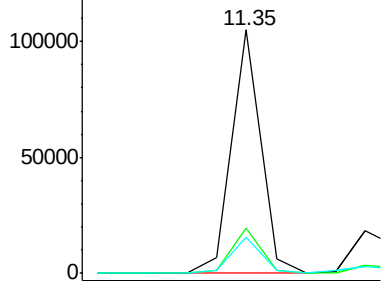
#70
Phenanthrene
Concen: 4.91 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087878.D
Acq: 10 Jun 2016 16:56

Instrument :
BNA_F
ClientSampleId :
DUP-4

Tgt Ion:178 Resp: 81082
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 15.1 13.0 19.4

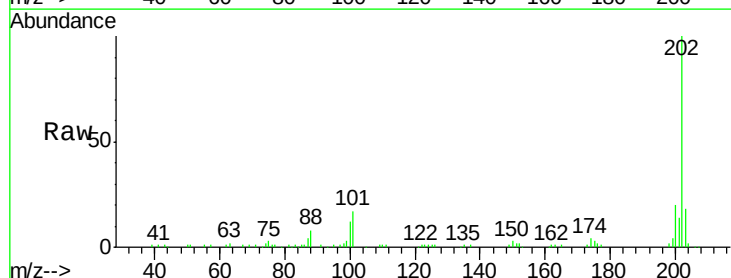


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

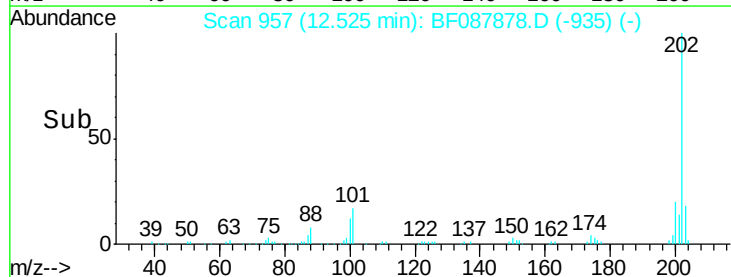
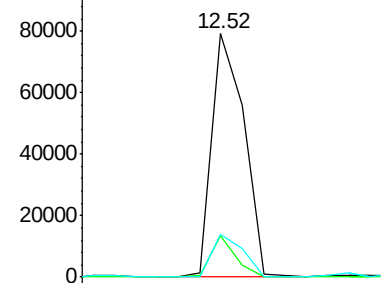


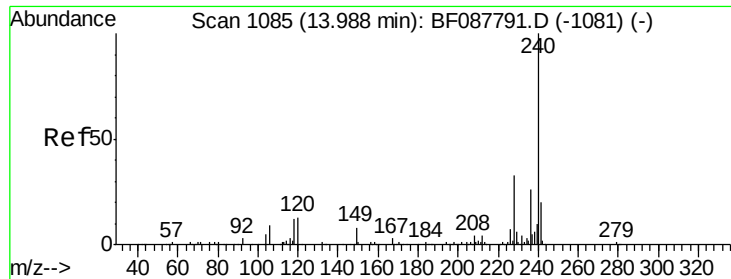
#74
Fluoranthene
Concen: 5.42 ng
RT: 12.52 min Scan# 957
Delta R.T. -0.05 min
Lab File: BF087878.D
Acq: 10 Jun 2016 16:56

Tgt Ion:202 Resp: 94443
Ion Ratio Lower Upper
202 100
101 16.8 0.0 33.1
203 17.5 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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

Instrument :

BNA_F

ClientSampleId :

DUP-4

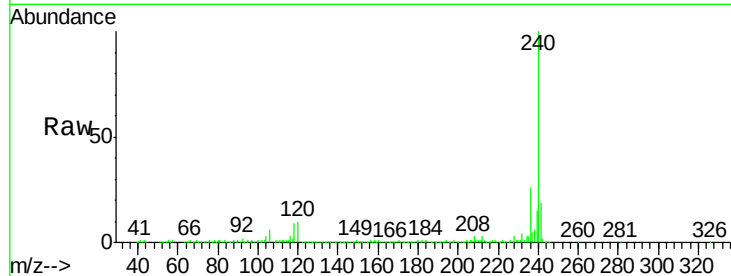
Tgt Ion:240 Resp: 291693

Ion Ratio Lower Upper

240 100

120 10.0 6.8 10.2

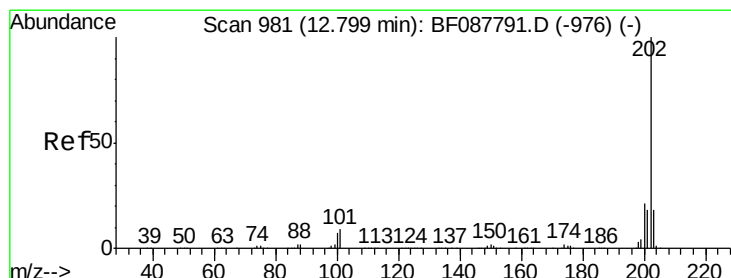
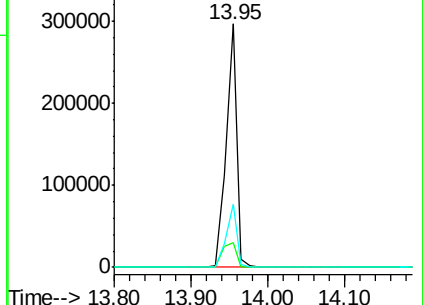
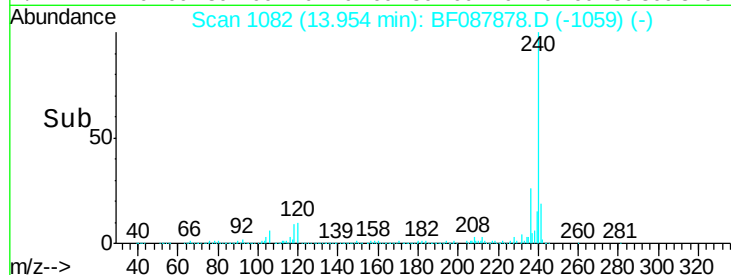
236 25.7 20.2 30.2



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: 4.30 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

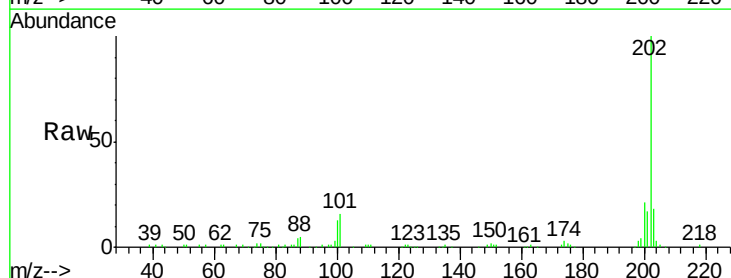
Tgt Ion:202 Resp: 93095

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

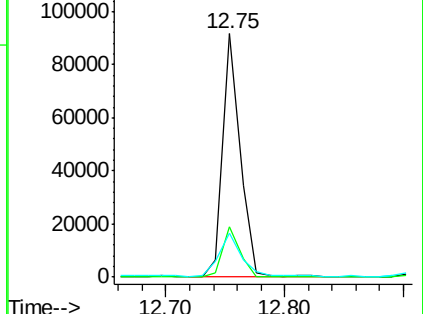
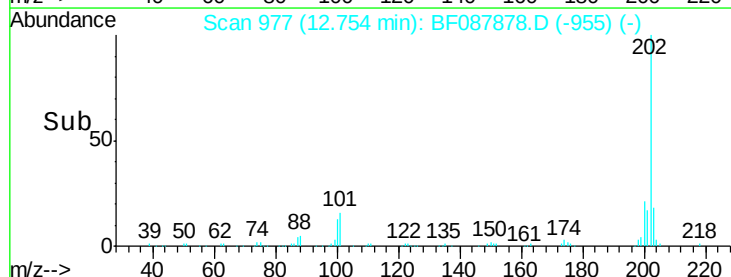
203 18.1 14.5 21.7

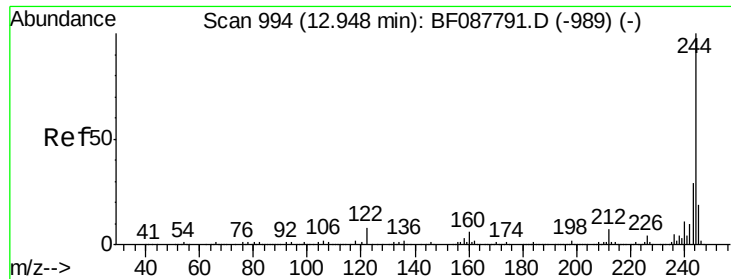


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

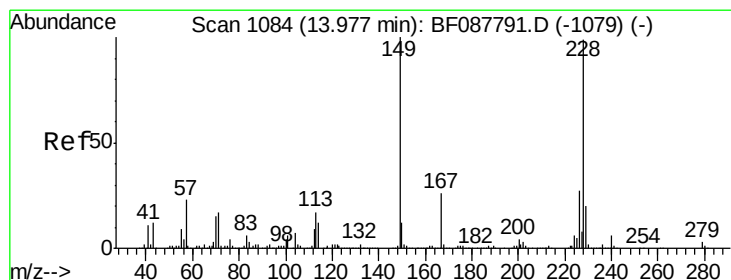
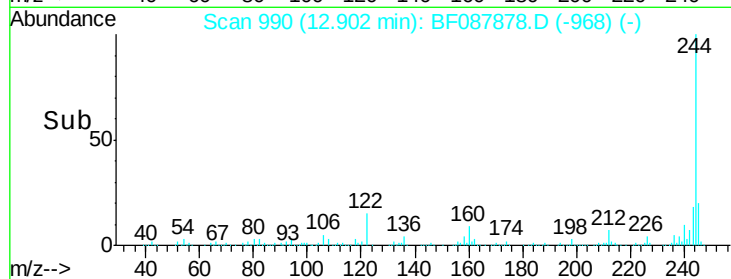
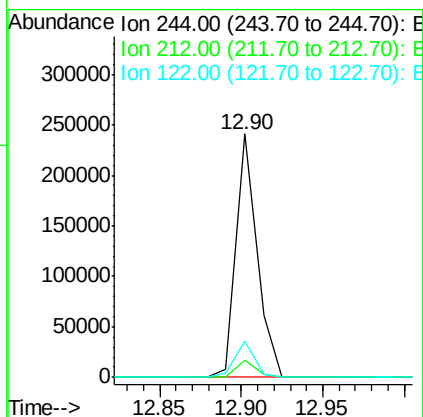
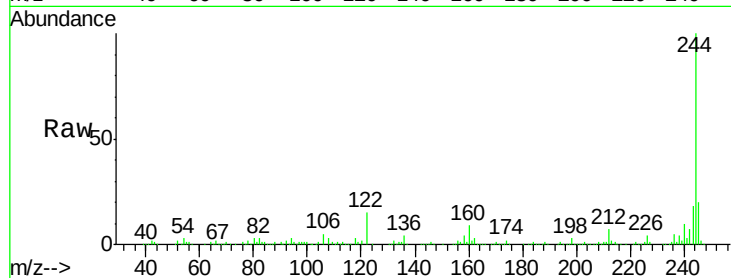




#78
 Terphenyl-d14
 Concen: 16.70 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.05 min
 Lab File: BF087878.D
 Acq: 10 Jun 2016 16:56

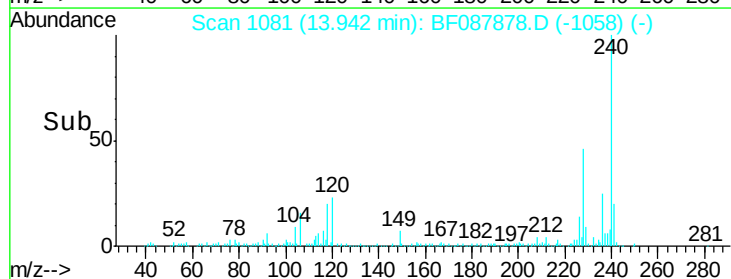
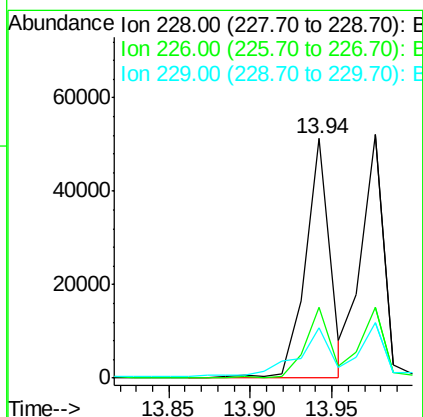
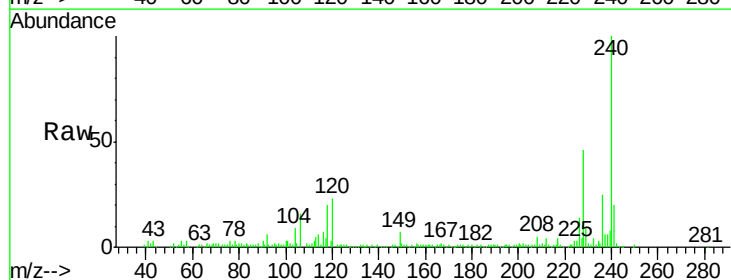
Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

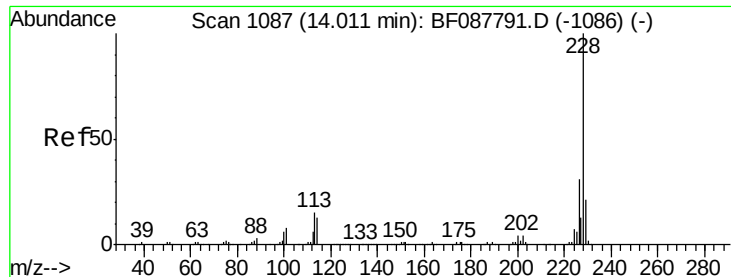
Tgt Ion:244 Resp: 214009
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 15.1 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 3.22 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.03 min
 Lab File: BF087878.D
 Acq: 10 Jun 2016 16:56

Tgt Ion:228 Resp: 53574
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.3 33.5
 229 21.2 16.0 24.0





#82

Chrysene

Concen: 3.43 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.07 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

Instrument :

BNA_F

ClientSampleId :

DUP-4

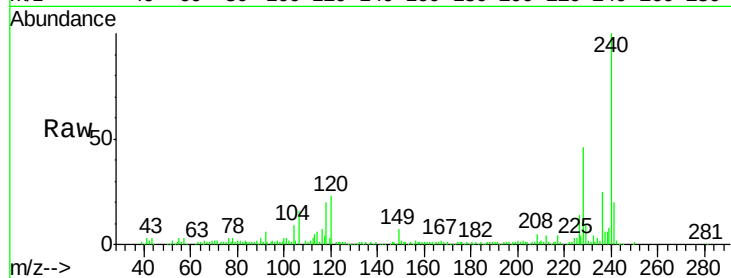
Tgt Ion:228 Resp: 53574

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.2

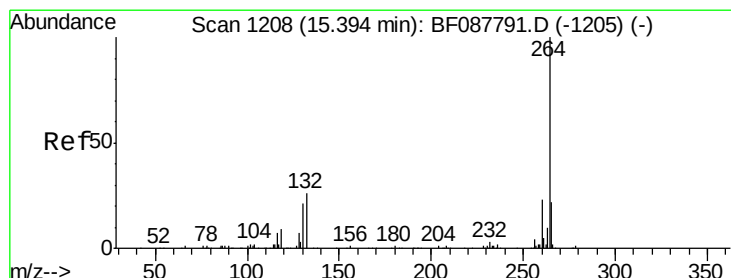
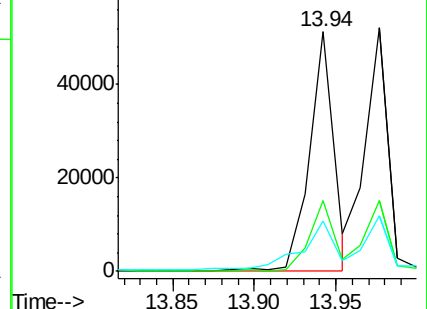
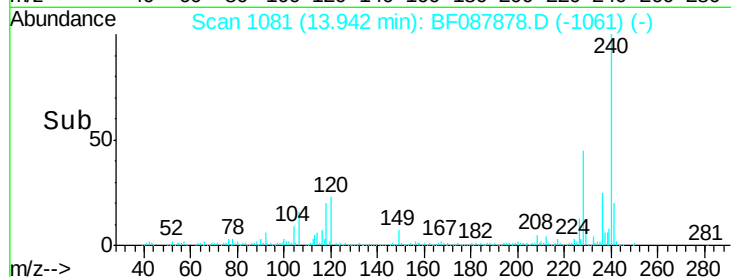
229 21.2 16.3 24.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

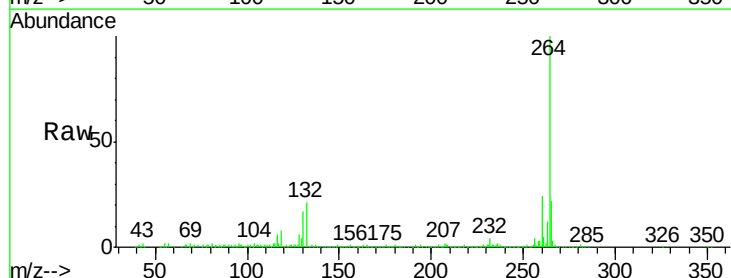
Tgt Ion:264 Resp: 244736

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

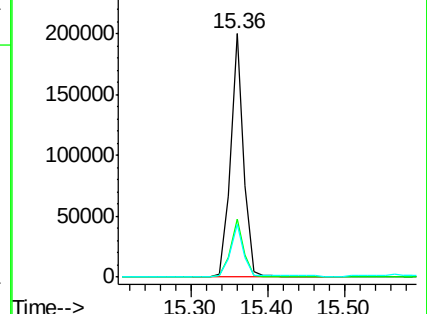
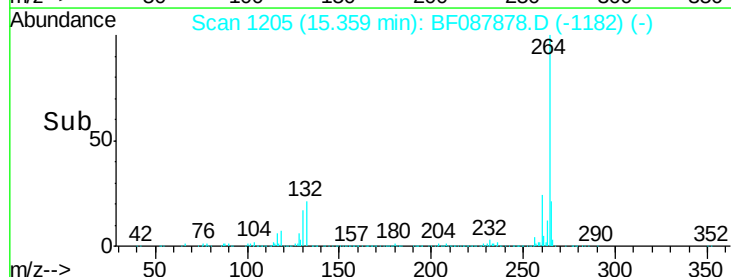
265 21.7 16.9 25.3

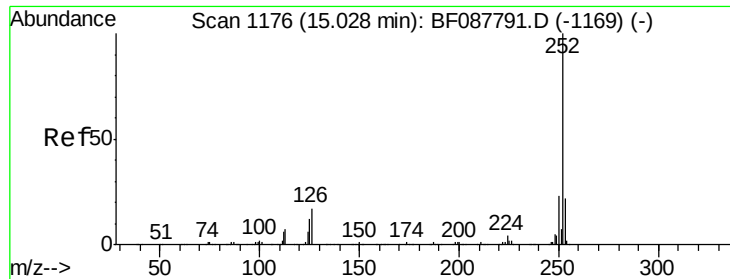


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.32 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.03 min

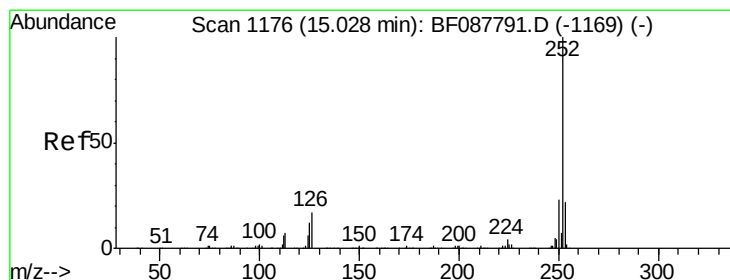
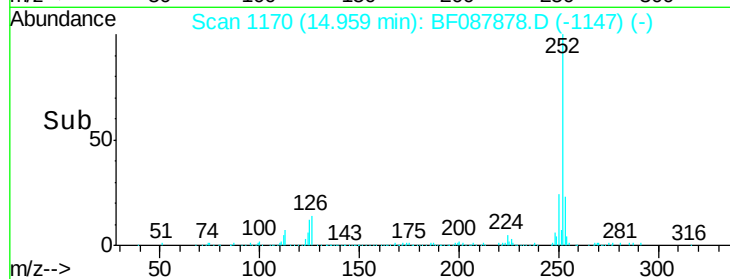
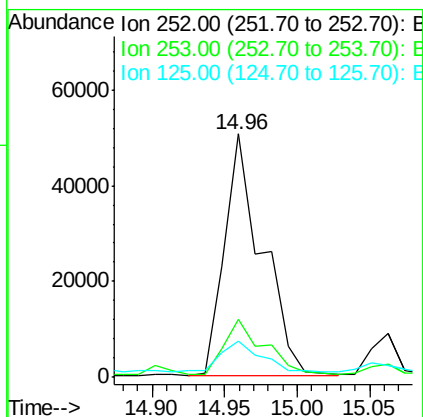
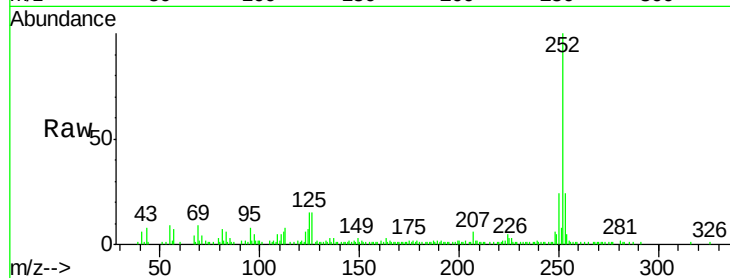
Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

Instrument :
BNA_F
ClientSampleId :
DUP-4

Tgt Ion:252 Resp: 90676

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	14.9	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 7.05 ng

RT: 14.96 min Scan# 1170

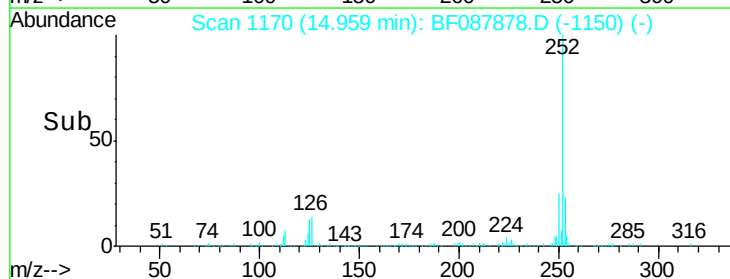
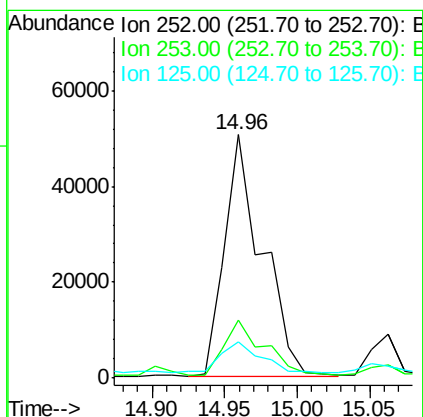
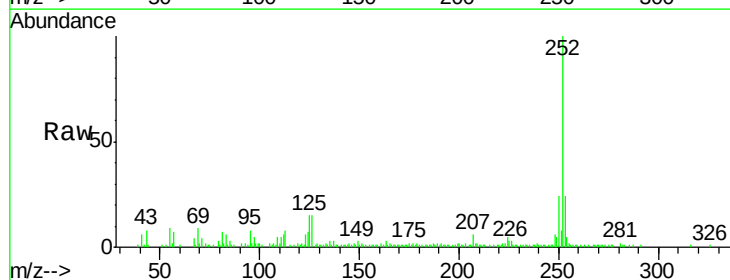
Delta R.T. -0.07 min

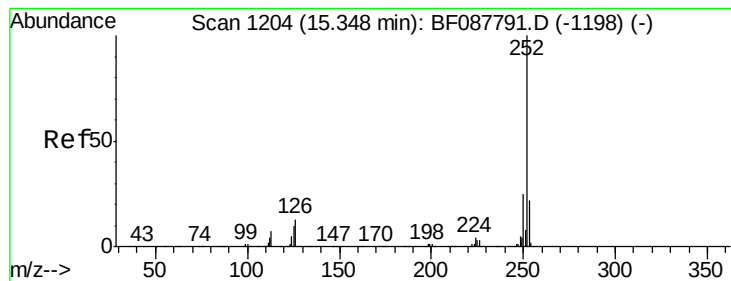
Lab File: BF087878.D

Acq: 10 Jun 2016 16:56

Tgt Ion:252 Resp: 90676

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	14.9	11.2	16.8





#89

Benzo(a)pyrene

Concen: 3.20 ng

RT: 15.30 min Scan# 1200

Delta R.T. -0.05 min

Lab File: BF087878.D

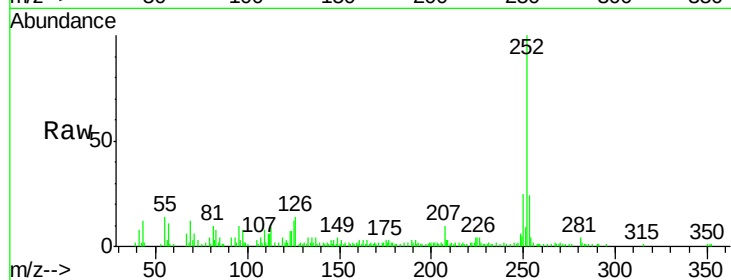
Acq: 10 Jun 2016 16:56

Instrument :

BNA_F

ClientSampleId :

DUP-4



Tgt Ion: 252 Resp: 44211

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 12.5 12.5 18.7

