

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087877.D
 Acq On : 10 Jun 2016 16:27
 Operator : UM/SJ
 Sample : H3426-10 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-56

Quant Time: Jun 10 16:50:53 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	6.81	152	129079	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	529268	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	222936	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	344982	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	271983	20.00	ng	-0.03
86) Perylene-d12	15.36	264	220128	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	508540	67.35	ng	-0.02
7) Phenol-d6	6.44	99	576603	63.01	ng	-0.03
23) Nitrobenzene-d5	7.37	82	315417	34.80	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	110792	47.07	ng	-0.05
44) 2-Fluorobiphenyl	9.18	172	712734	47.80	ng	-0.03
78) Terphenyl-d14	12.90	244	399119	33.39	ng	-0.05

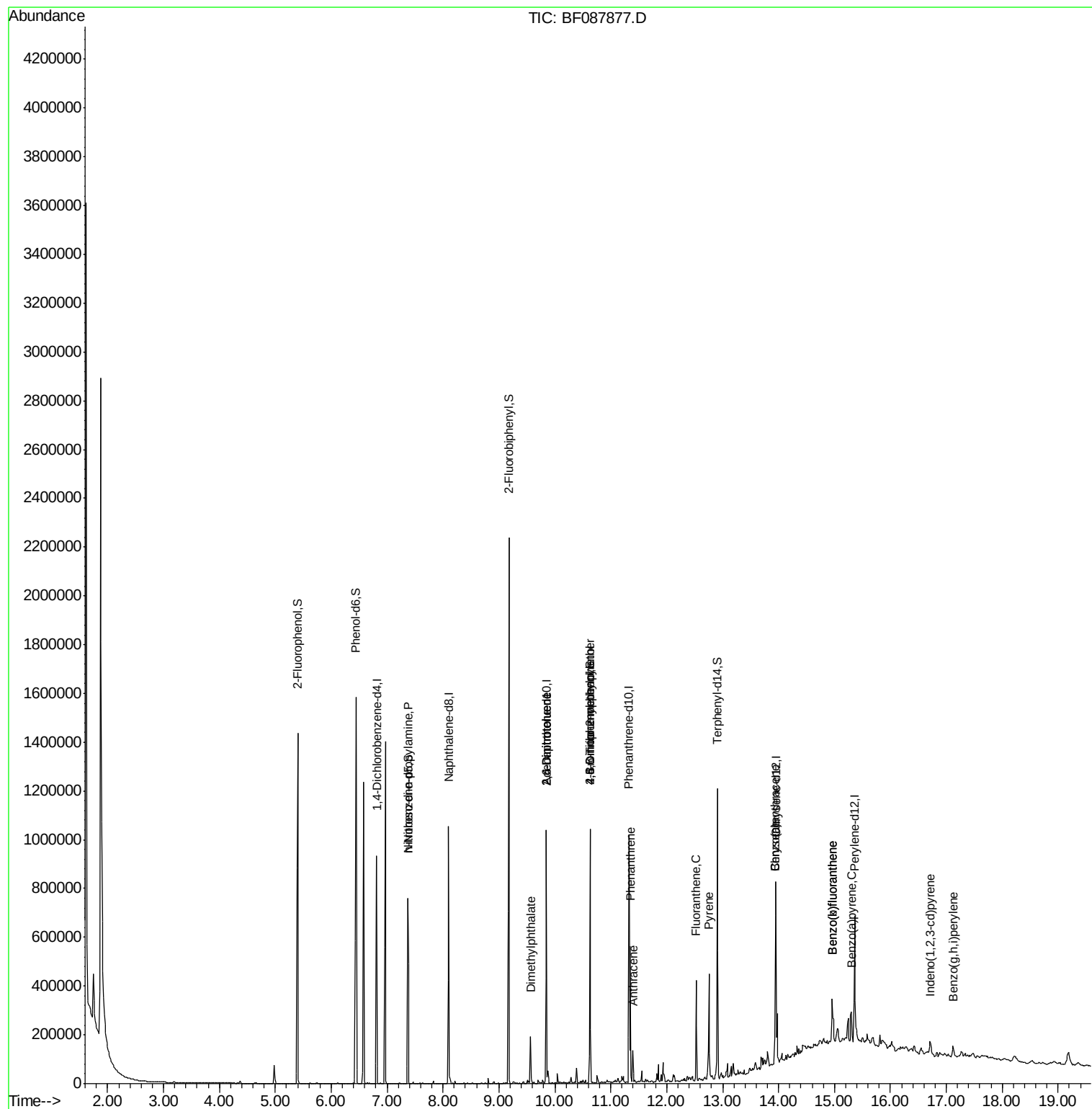
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	5750	Below Cal		94
19) n-Nitroso-di-n-propylamine	7.37	70	39793	6.80 ng	#	76
45) 1,1'-Biphenyl	9.27	154	1853	Below Cal		96
49) Dimethylphthalate	9.56	163	70187	4.35 ng		99
50) 2,6-Dinitrotoluene	9.85	165	27847	7.53 ng	#	40
56) 2,4-Dinitrotoluene	9.85	165	27847	5.86 ng	#	38
57) Fluorene	10.39	166	16288	Below Cal		100
64) 4,6-Dinitro-2-methylphenol	10.63	198	219	2.26 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	7536	2.04 ng	#	1
70) Phenanthrene	11.35	178	191949	10.60 ng		98
71) Anthracene	11.39	178	52855	2.89 ng		98
74) Fluoranthene	12.52	202	193396	10.12 ng		96
77) Pyrene	12.75	202	175461	8.69 ng		98
80) Benzo(a)anthracene	13.94	228	113307	7.31 ng		100
82) Chrysene	13.94	228	113307	7.77 ng		96
85) Indeno(1,2,3-cd)pyrene	16.71	276	33109	2.44 ng	#	100
87) Benzo(b)fluoranthene	14.96	252	129033	8.41 ng	#	94
88) Benzo(k)fluoranthene	14.96	252	129033	11.15 ng		99
89) Benzo(a)pyrene	15.30	252	66136	5.33 ng		96
91) Benzo(g,h,i)perylene	17.12	276	32983	2.78 ng		95

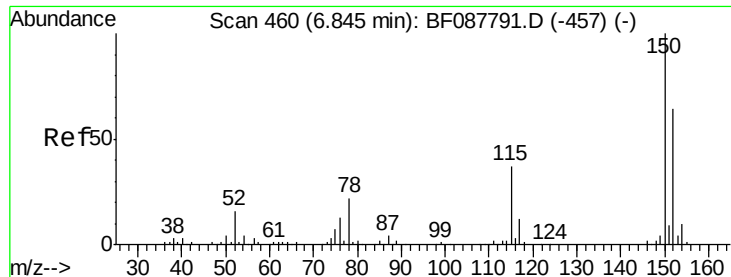
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
Data File : BF087877.D
Acq On : 10 Jun 2016 16:27
Operator : UM/SJ
Sample : H3426-10 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-56

Quant Time: Jun 10 16:50:53 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



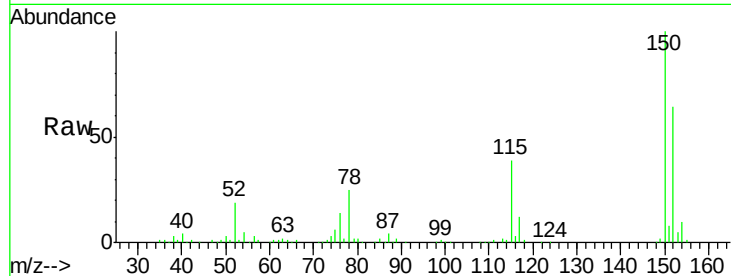


#1

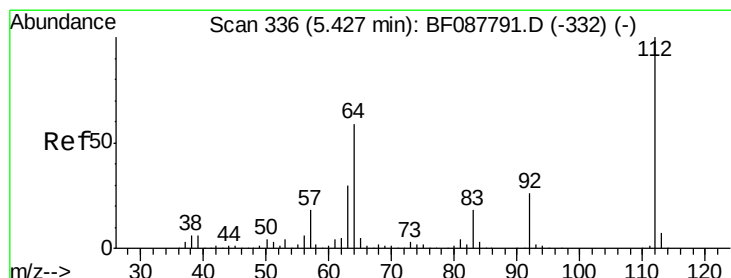
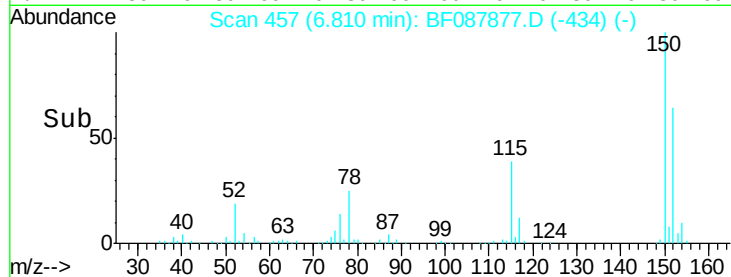
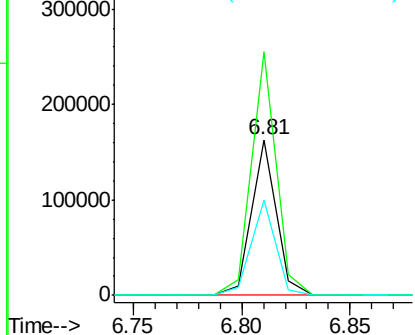
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF087877.D
 Acq: 10 Jun 2016 16:27

Instrument :
 BNA_F
 ClientSampleId :
 SS-56

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.8	185.6
115	60.7	39.6	59.4



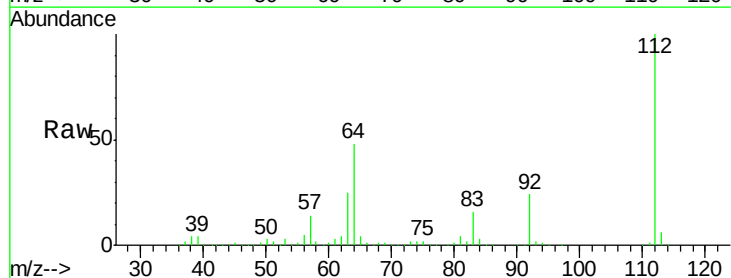
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



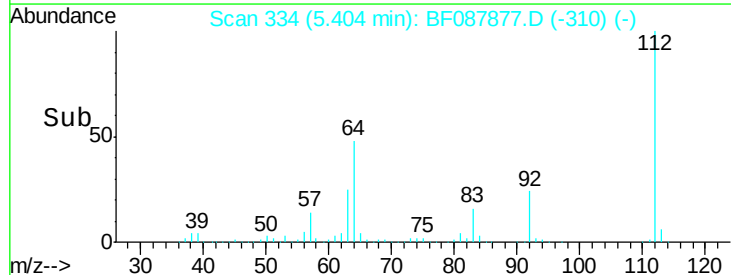
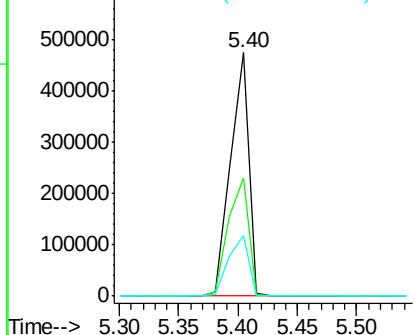
#5

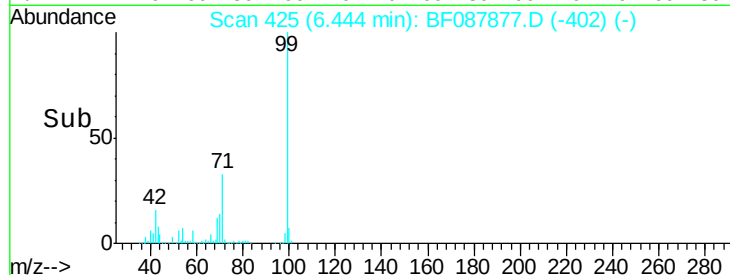
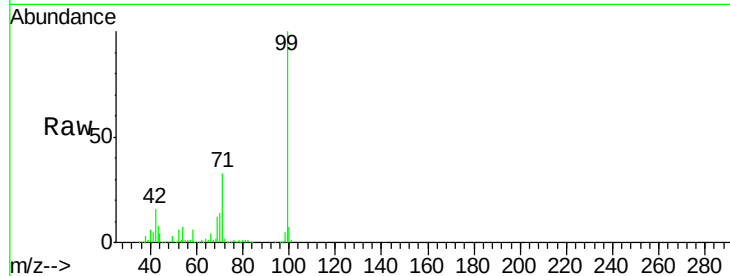
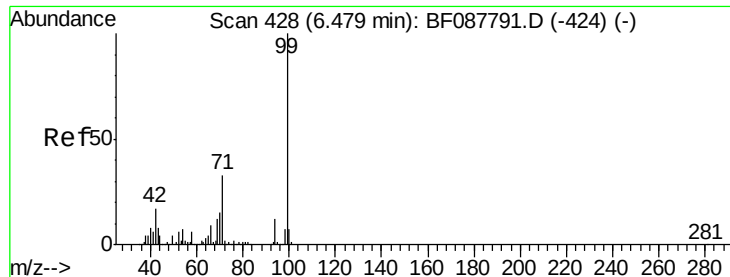
2-Fluorophenol
 Concen: 67.35 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: BF087877.D
 Acq: 10 Jun 2016 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.4	42.2	63.2
63	24.8	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: 63.01 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SS-56

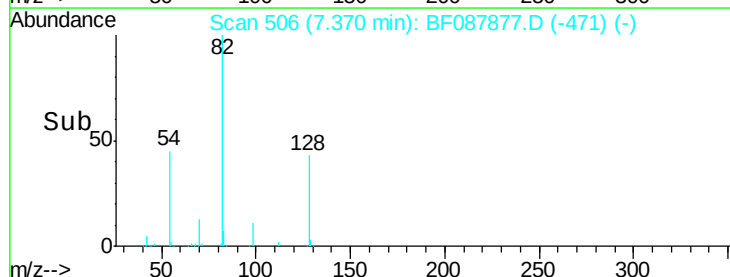
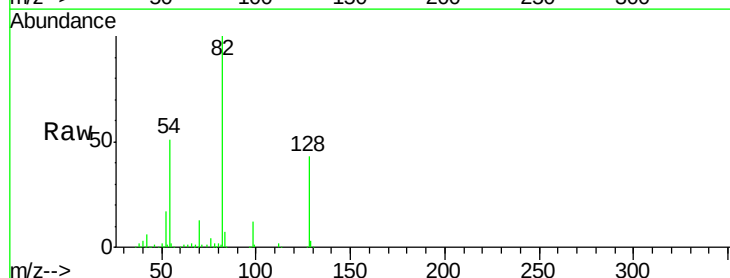
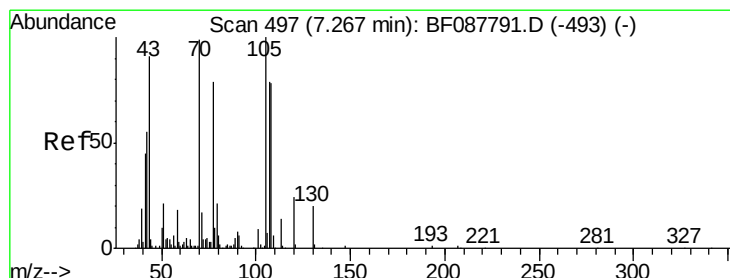
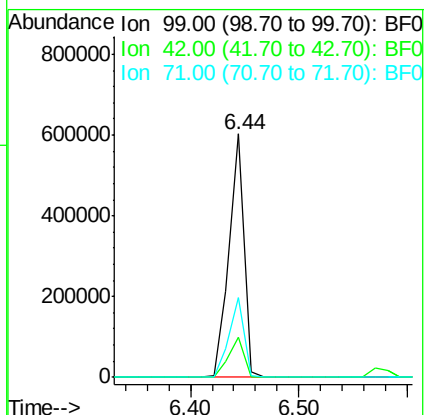
Tgt Ion: 99 Resp: 576603

Ion Ratio Lower Upper

99 100

42 16.3 12.2 18.2

71 32.6 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.80 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

Tgt Ion: 70 Resp: 39793

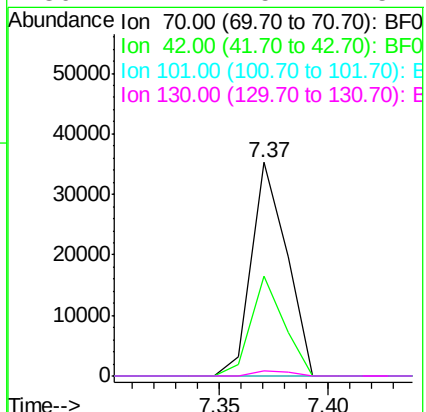
Ion Ratio Lower Upper

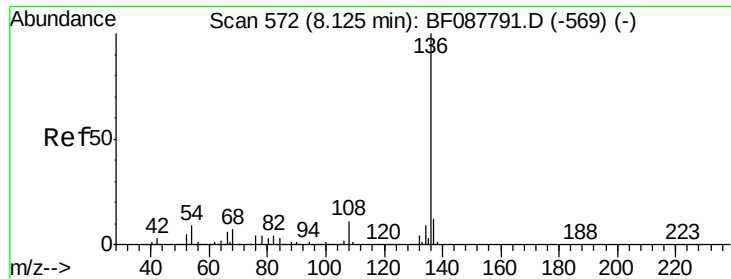
70 100

42 46.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

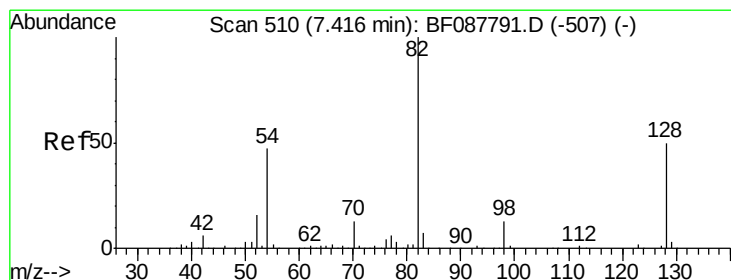
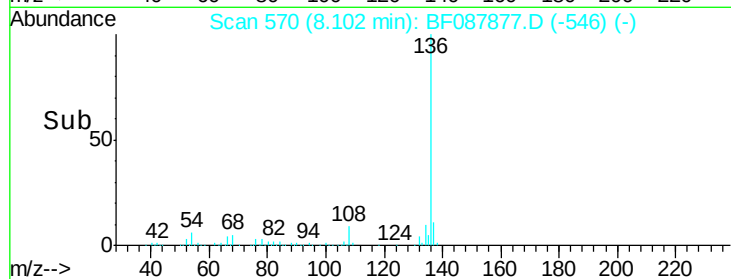
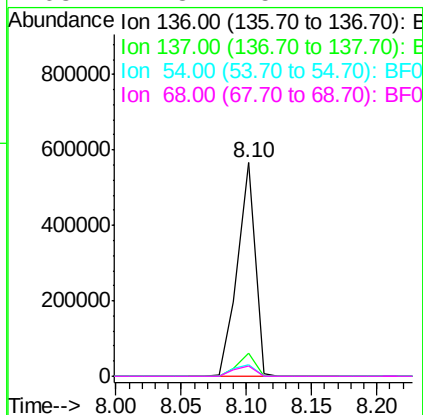
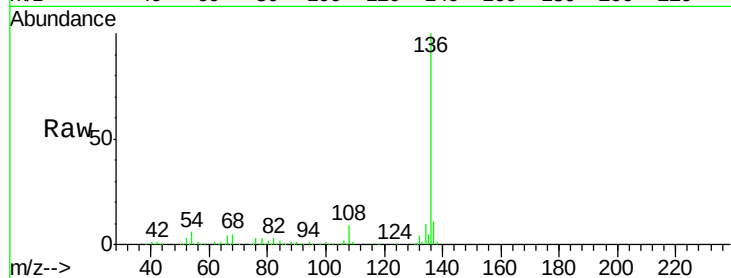




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

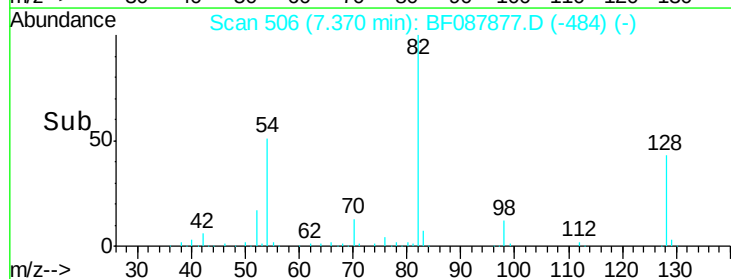
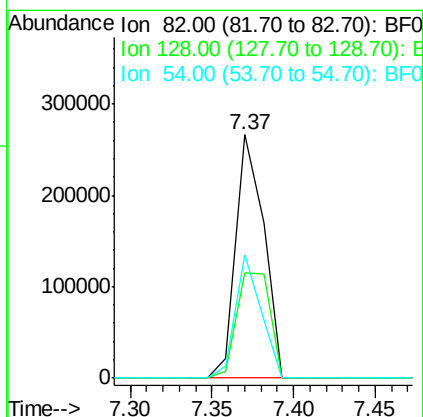
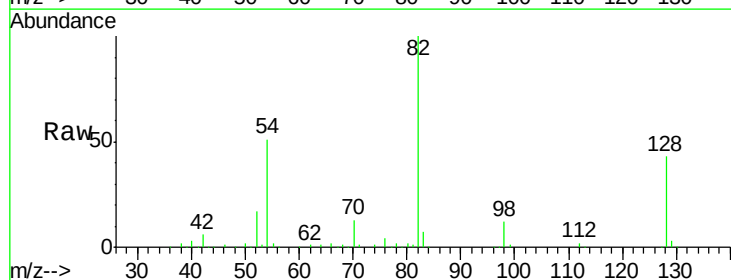
Instrument :
BNA_F
ClientSampleId :
SS-56

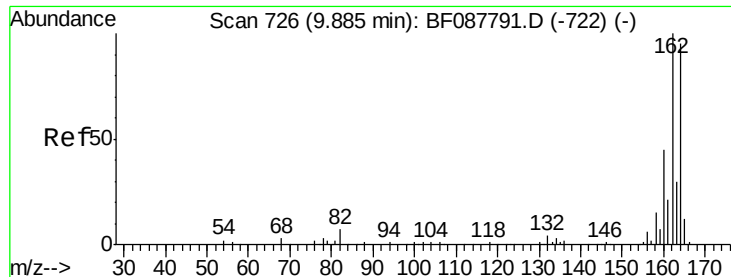
Tgt Ion:	136	Resp:	529268
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.6	6.6	10.0#
68	4.8	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 34.80 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:	82	Resp:	315417
Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.9	53.9
54	50.5	40.9	61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SS-56

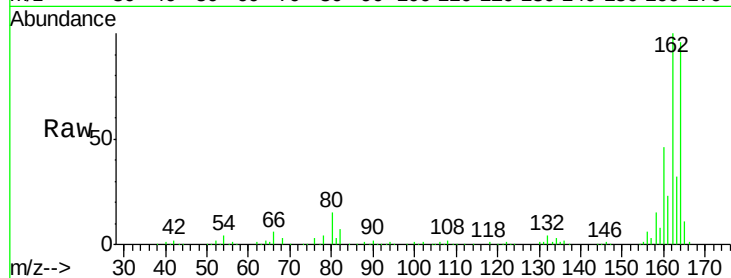
Tgt Ion:164 Resp: 222936

Ion Ratio Lower Upper

164 100

162 104.7 85.4 128.2

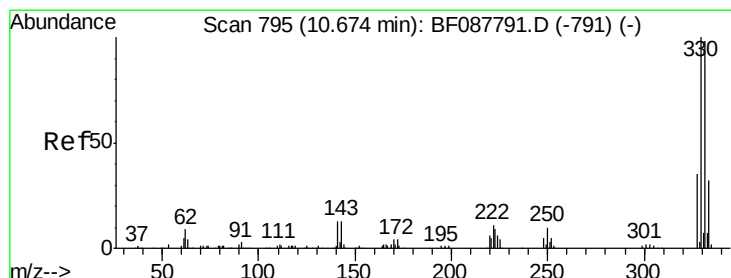
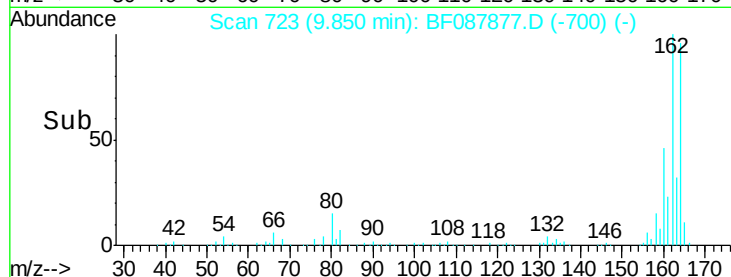
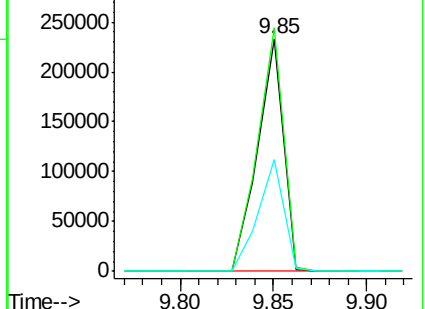
160 48.0 39.5 59.3



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: 47.07 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.05 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

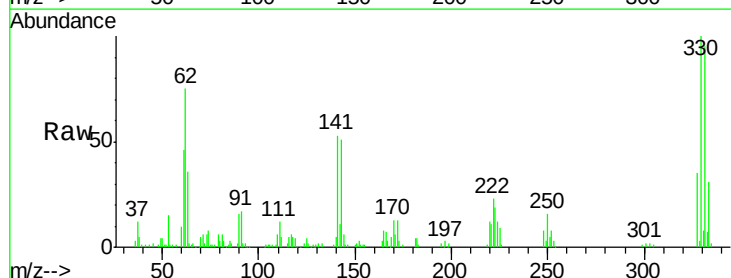
Tgt Ion:330 Resp: 110792

Ion Ratio Lower Upper

330 100

332 95.5 0.0 0.0#

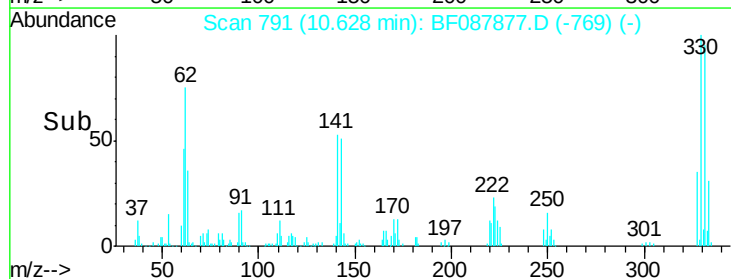
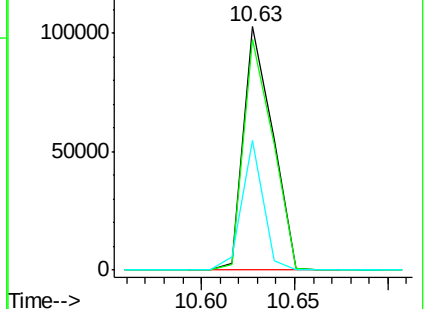
141 39.8 0.0 0.0#

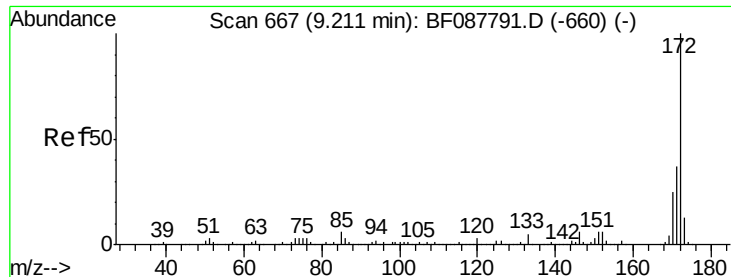


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

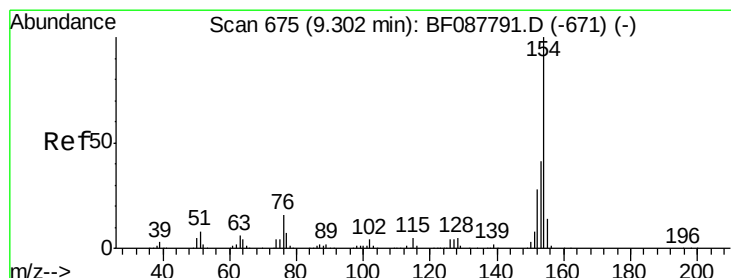
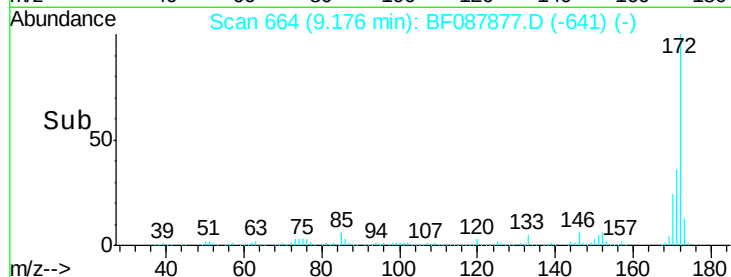
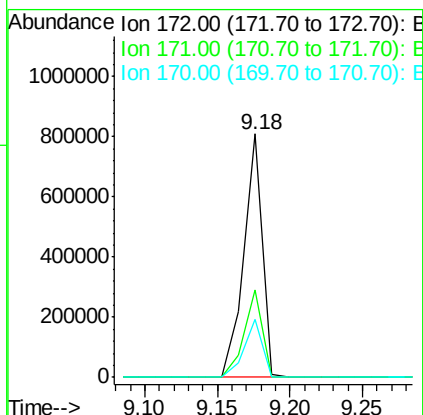
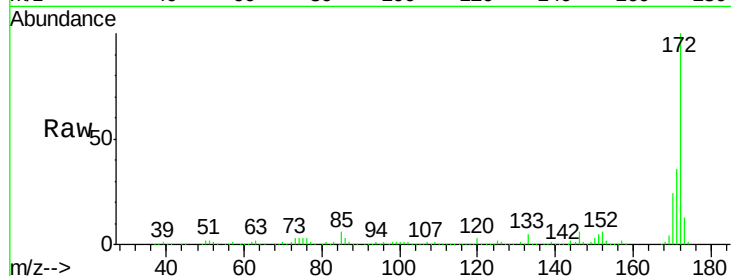




#44
 2-Fluorobiphenyl
 Concen: 47.80 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087877.D
 Acq: 10 Jun 2016 16:27

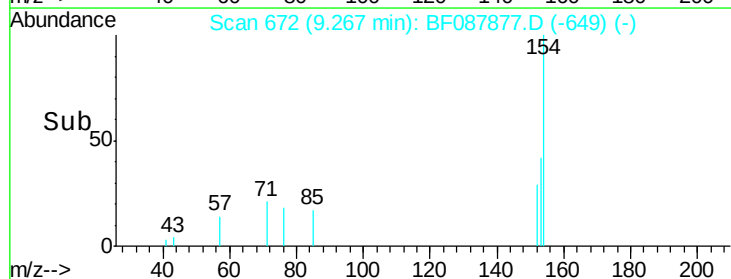
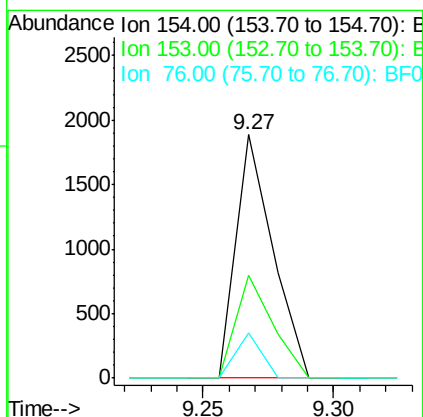
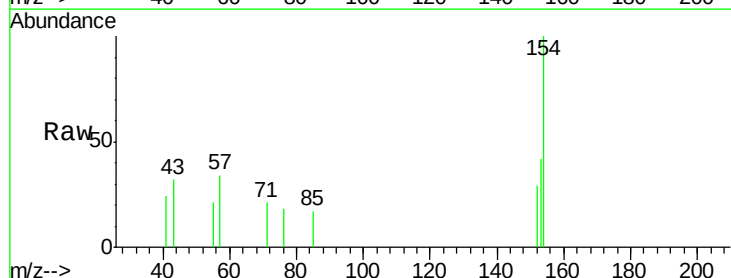
Instrument :
 BNA_F
 ClientSampleId :
 SS-56

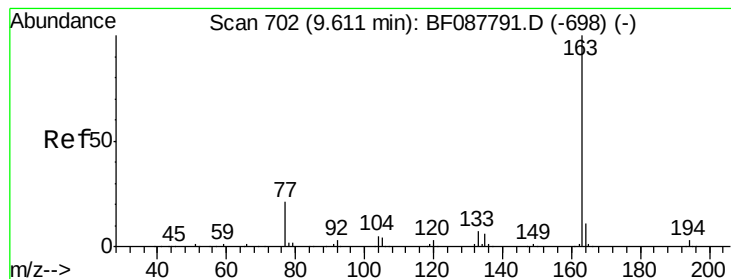
Tgt Ion:172 Resp: 712734
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 24.0 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.27 min Scan# 672
 Delta R.T. -0.03 min
 Lab File: BF087877.D
 Acq: 10 Jun 2016 16:27

Tgt Ion:154 Resp: 1853
 Ion Ratio Lower Upper
 154 100
 153 42.0 20.6 60.6
 76 18.4 0.0 35.1





#49

Dimethylphthalate

Concen: 4.35 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SS-56

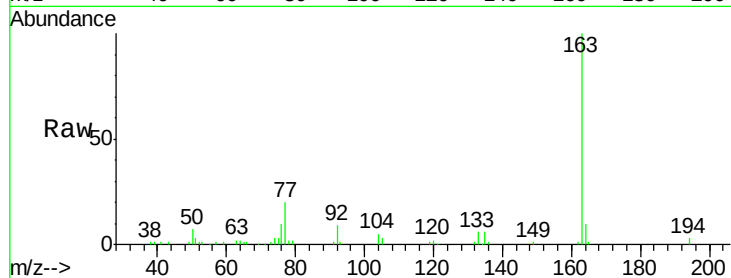
Tgt Ion:163 Resp: 70187

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

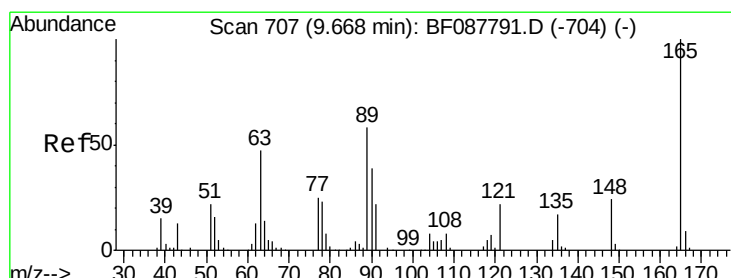
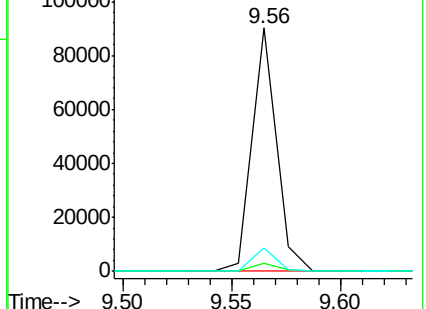
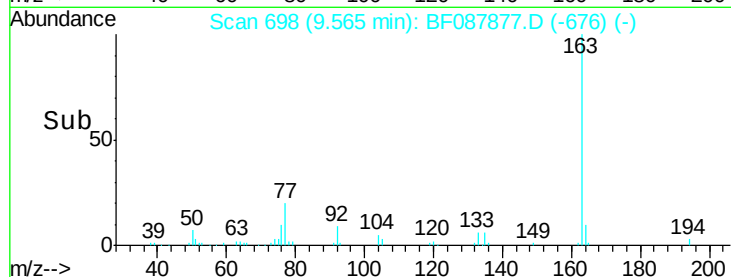
164 9.9 8.3 12.5



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: 7.53 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.18 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

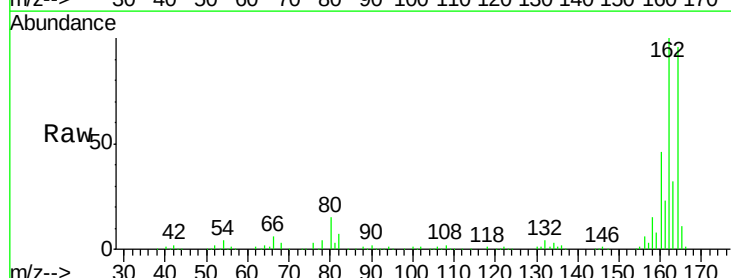
Tgt Ion:165 Resp: 27847

Ion Ratio Lower Upper

165 100

63 1.2 28.1 42.1#

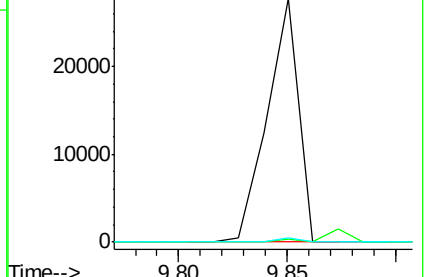
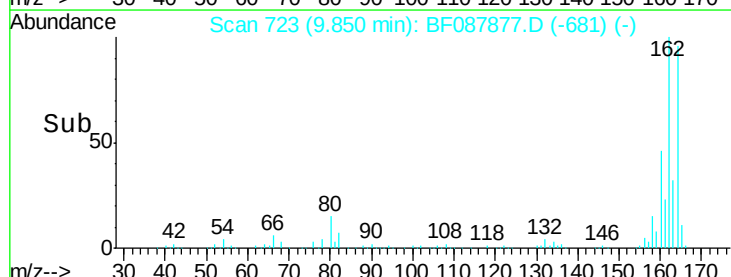
89 1.8 32.2 48.2#

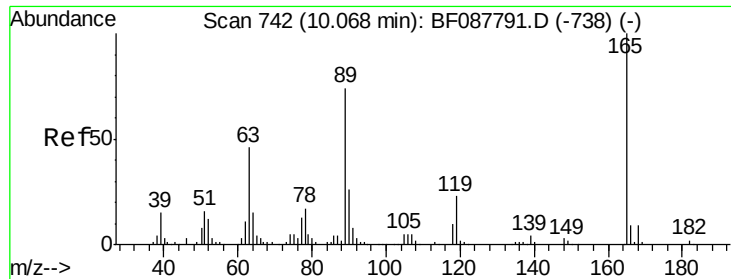


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

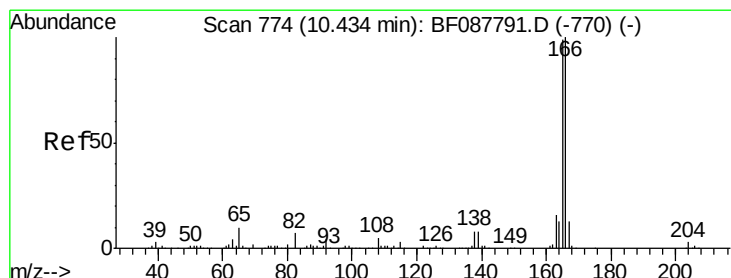
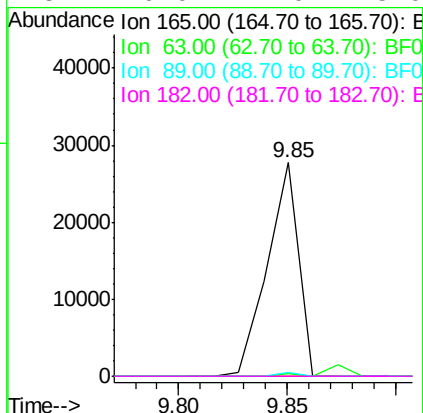
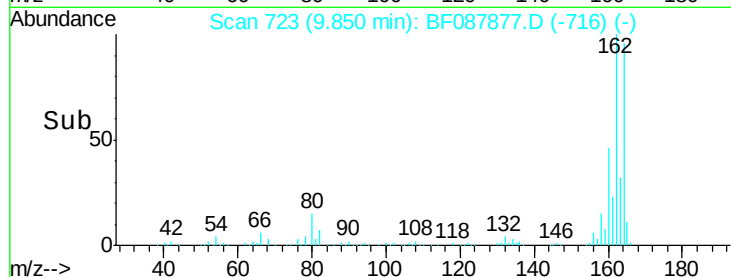
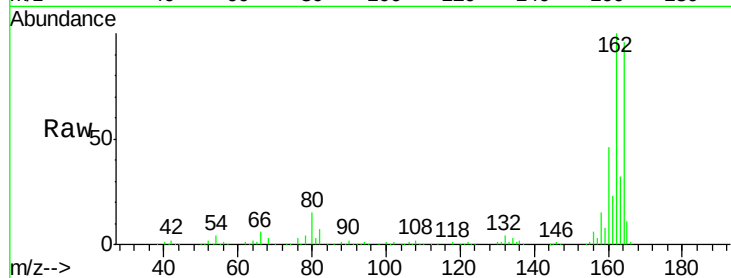




#56
2,4-Dinitrotoluene
Concen: 5.86 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.22 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

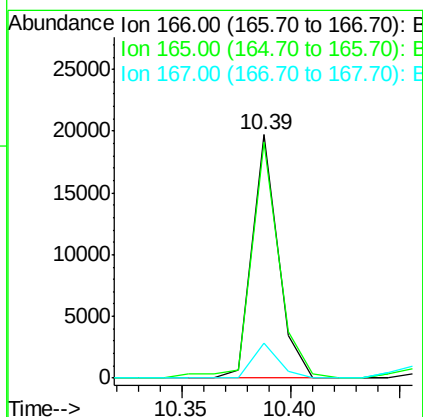
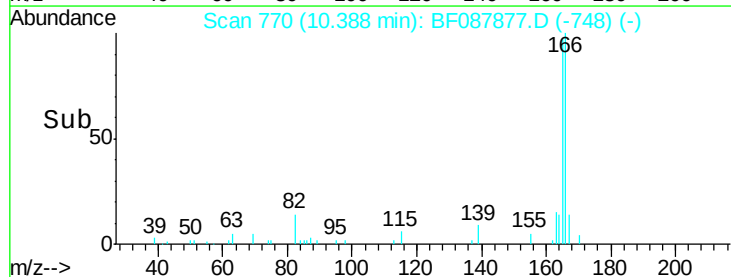
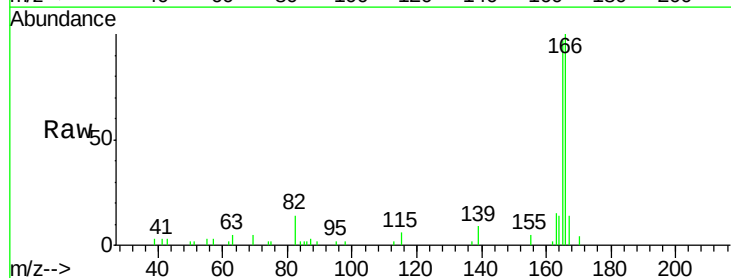
Instrument :
BNA_F
ClientSampleId :
SS-56

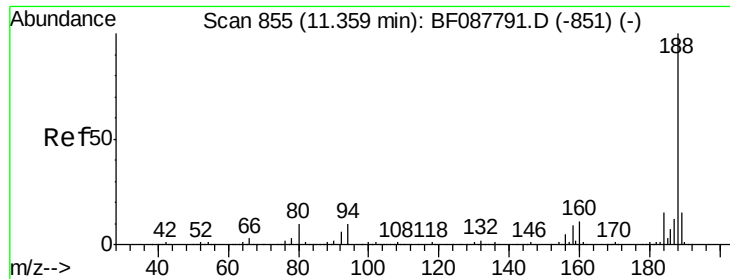
Tgt Ion:	165	Resp:	27847
Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.8	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.39 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:	166	Resp:	16288
Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.8	116.8
167	14.2	11.2	16.8

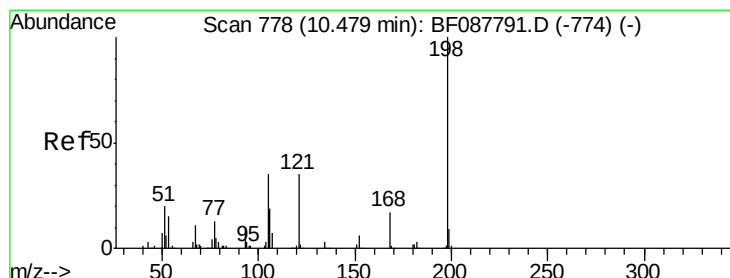
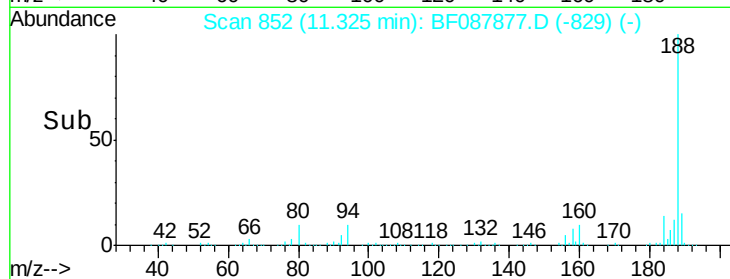
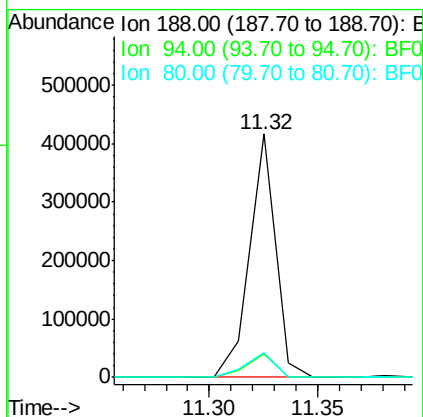
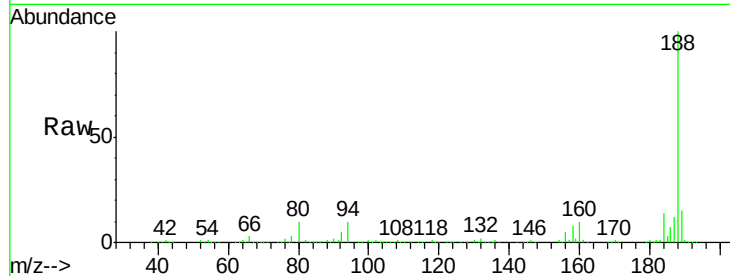




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: BF087877.D
 Acq: 10 Jun 2016 16:27

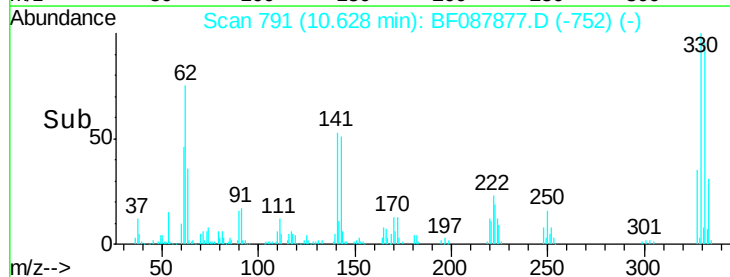
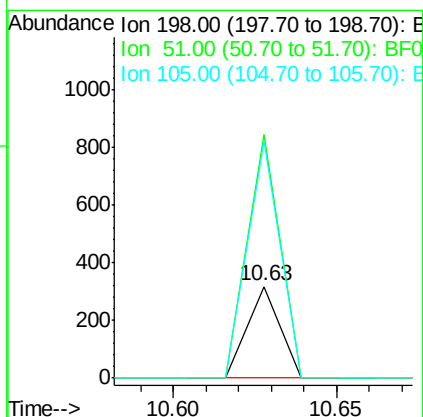
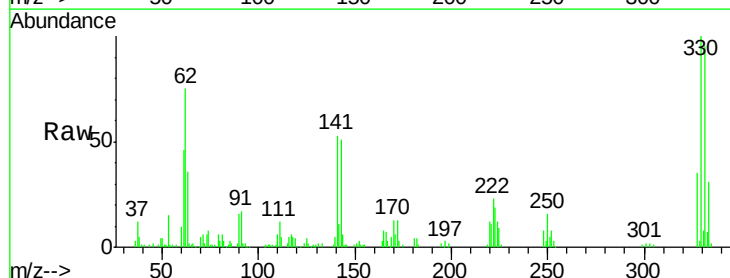
Instrument :
 BNA_F
 ClientSampleId :
 SS-56

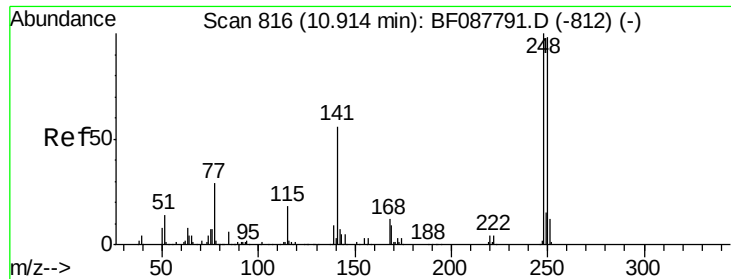
Tgt Ion:188 Resp: 344982
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.0 13.6
 80 9.9 10.0 15.0#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.26 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.15 min
 Lab File: BF087877.D
 Acq: 10 Jun 2016 16:27

Tgt Ion:198 Resp: 219
 Ion Ratio Lower Upper
 198 100
 51 264.9 39.6 79.6#
 105 258.6 36.6 76.6#

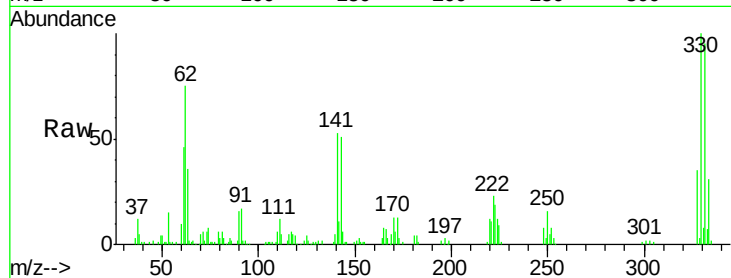




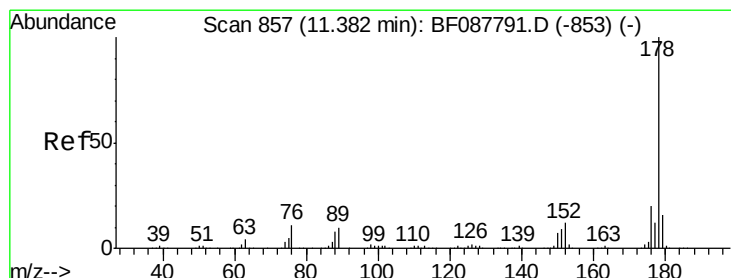
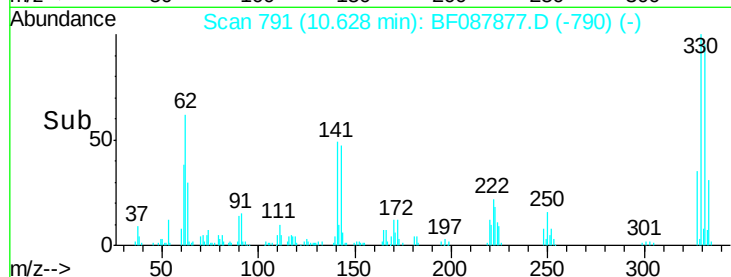
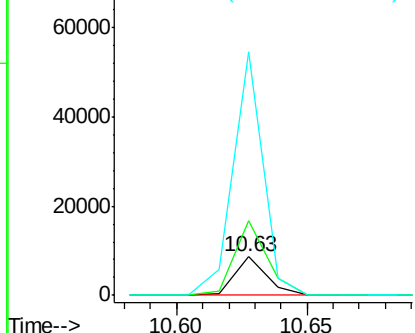
#66
4-Bromophenyl-phenylether
Concen: 2.04 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.29 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Instrument :
BNA_F
ClientSampleId :
SS-56

Tgt Ion:248 Resp: 7536
Ion Ratio Lower Upper
248 100
250 192.1 77.1 115.7#
141 628.6 50.6 76.0#

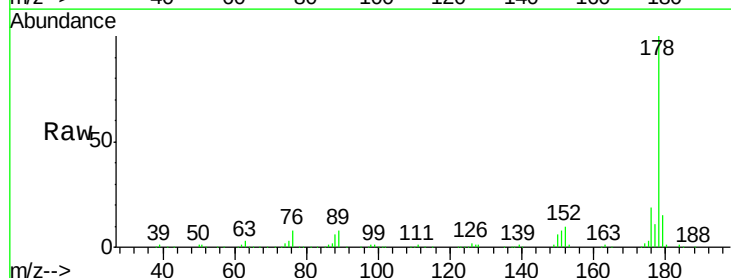


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

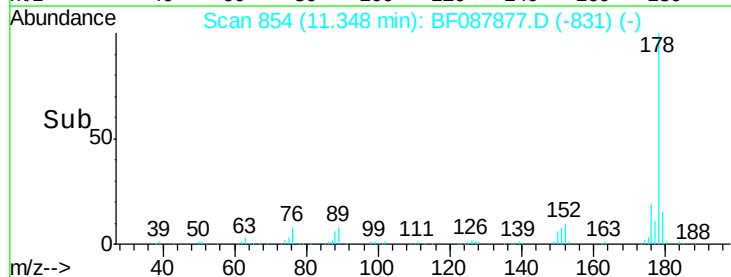
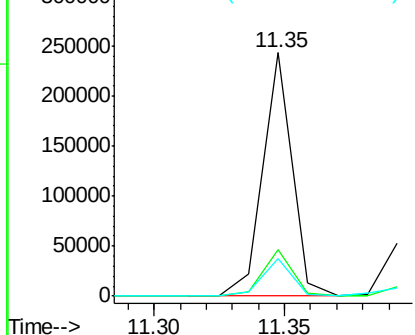


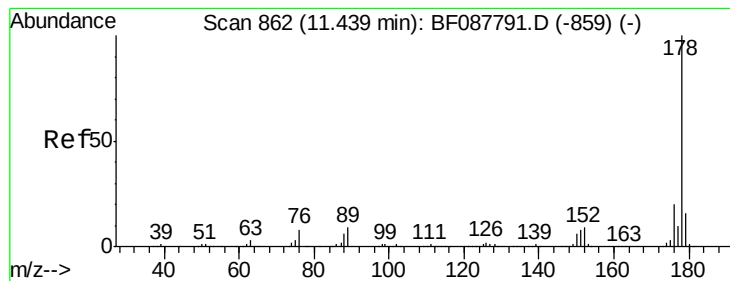
#70
Phenanthrene
Concen: 10.60 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:178 Resp: 191949
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.4 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





#71

Anthracene

Concen: 2.89 ng

RT: 11.39 min Scan# 858

Delta R.T. -0.05 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SS-56

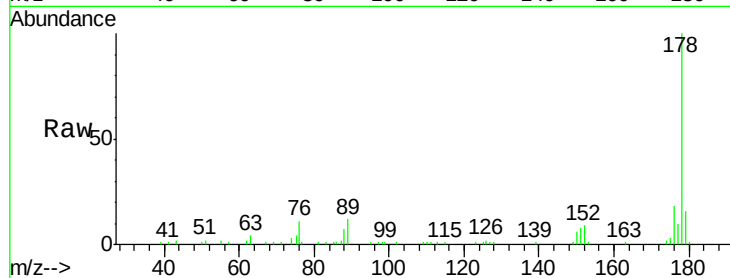
Tgt Ion:178 Resp: 52855

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

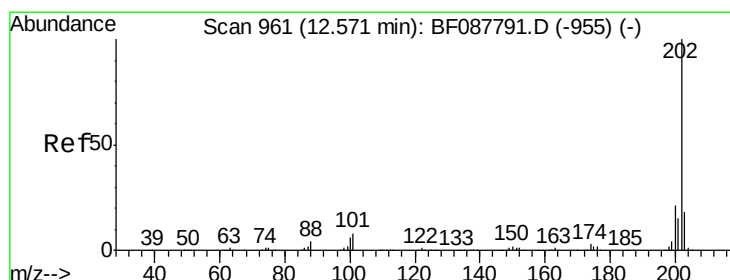
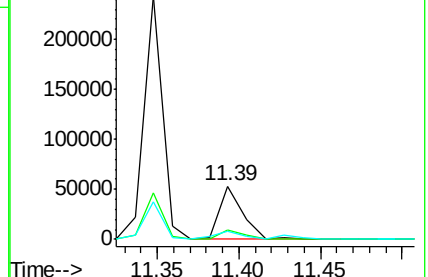
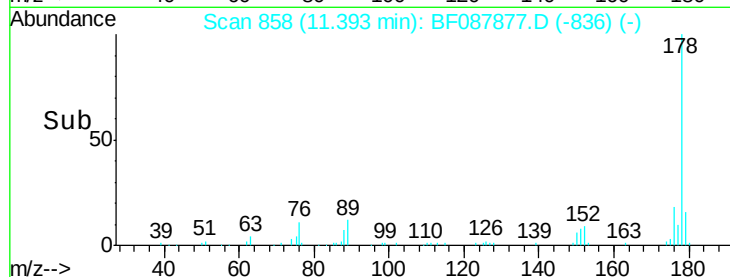
179 15.6 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 10.12 ng

RT: 12.52 min Scan# 957

Delta R.T. -0.05 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

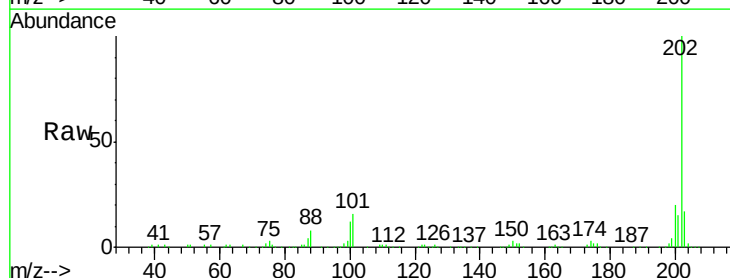
Tgt Ion:202 Resp: 193396

Ion Ratio Lower Upper

202 100

101 16.4 0.0 33.1

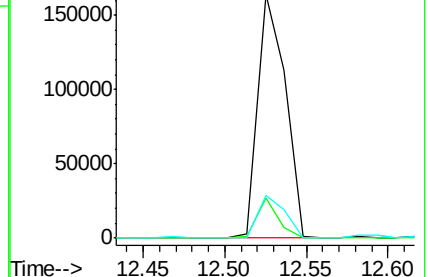
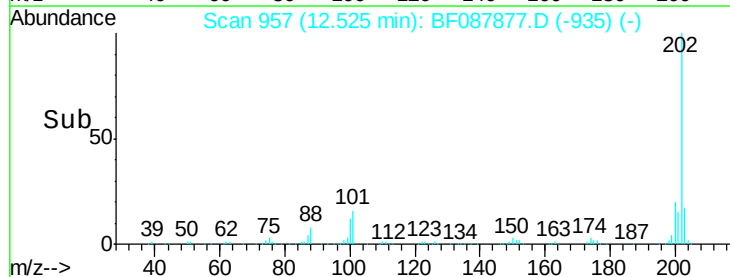
203 17.3 0.0 38.1

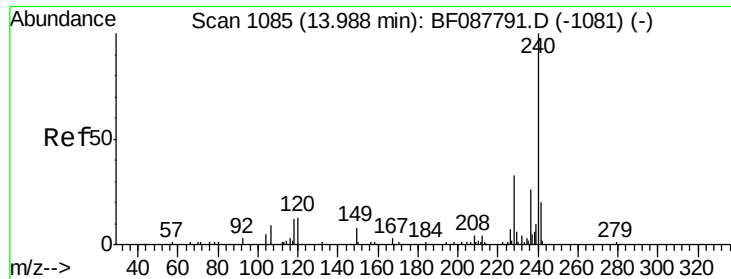


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SS-56

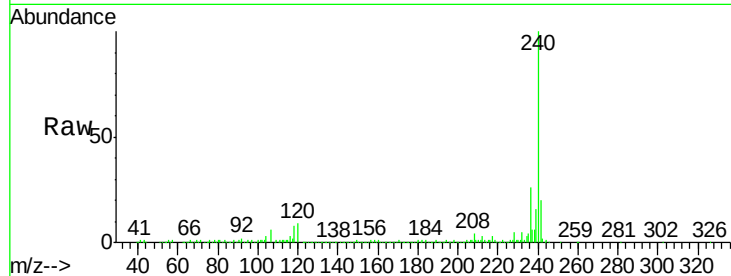
Tgt Ion:240 Resp: 271983

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

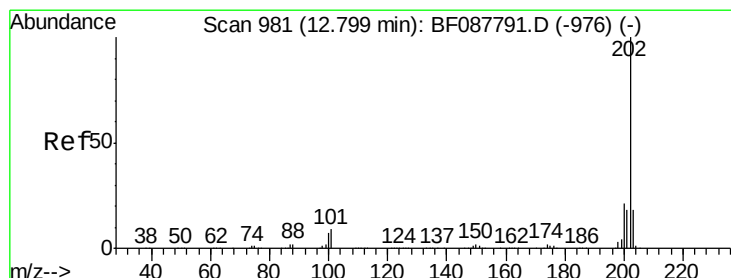
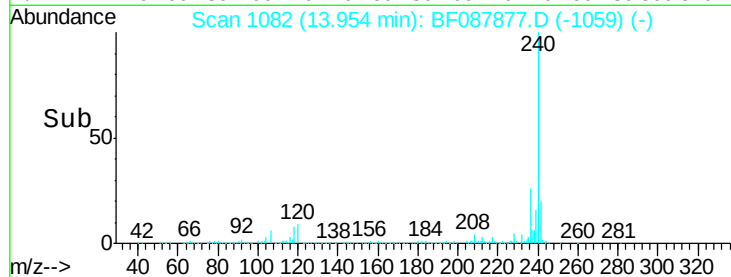
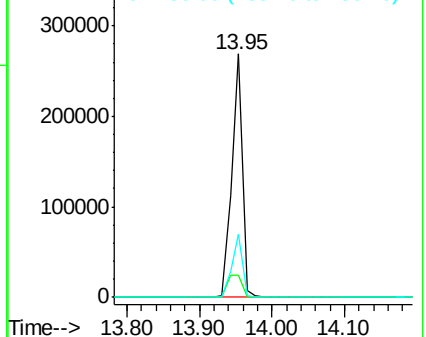
236 26.1 20.2 30.2



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: 8.69 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

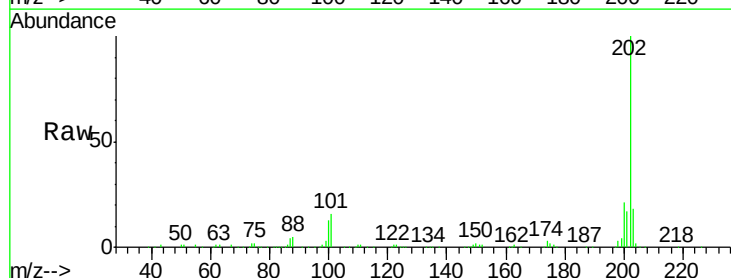
Tgt Ion:202 Resp: 175461

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

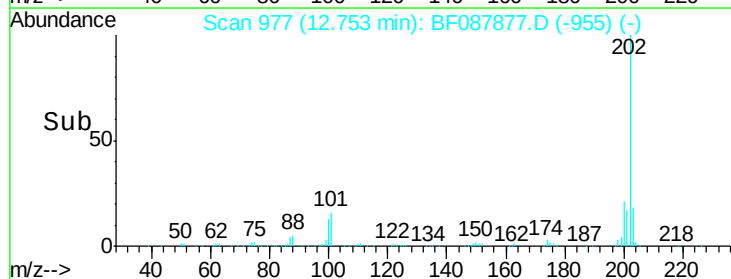
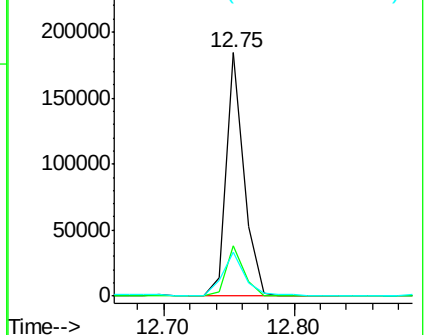
203 18.0 14.5 21.7

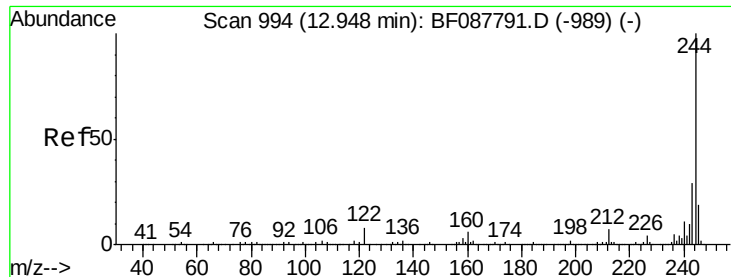


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

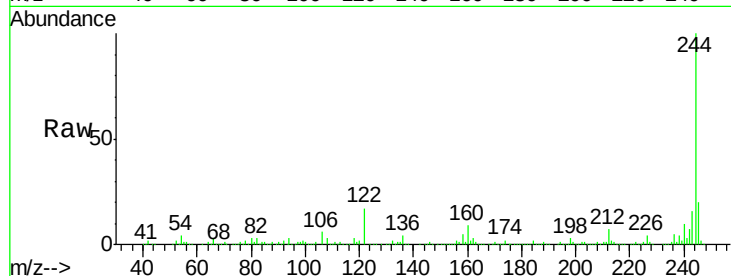




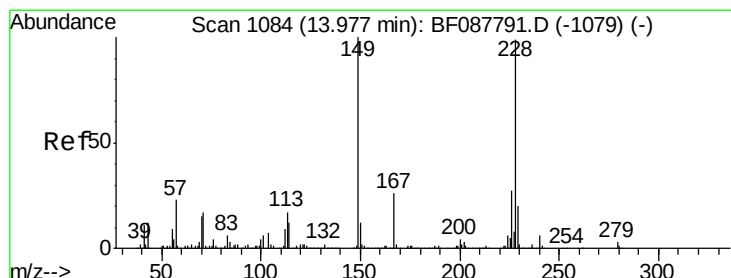
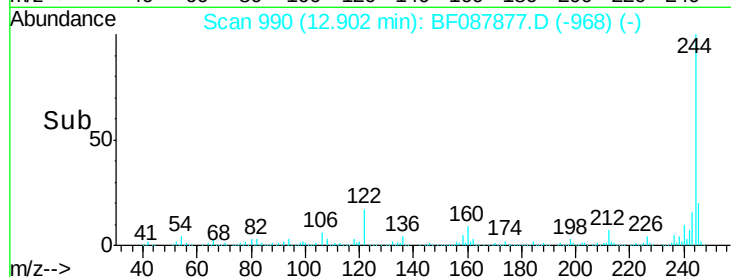
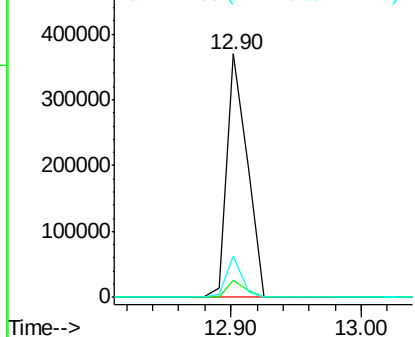
#78
 Terphenyl-d14
 Concen: 33.39 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.05 min
 Lab File: BF087877.D
 Acq: 10 Jun 2016 16:27

Instrument :
 BNA_F
 ClientSampled :
 SS-56

Tgt Ion:244 Resp: 399119
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 16.8 11.2 16.8#

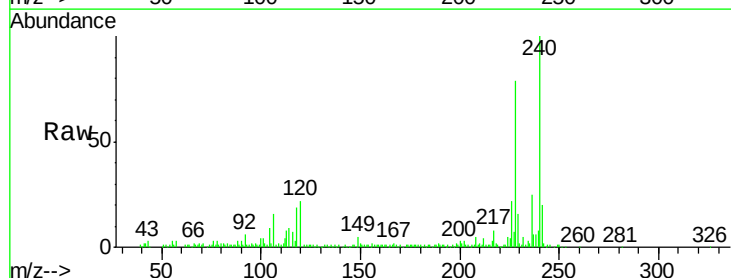


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

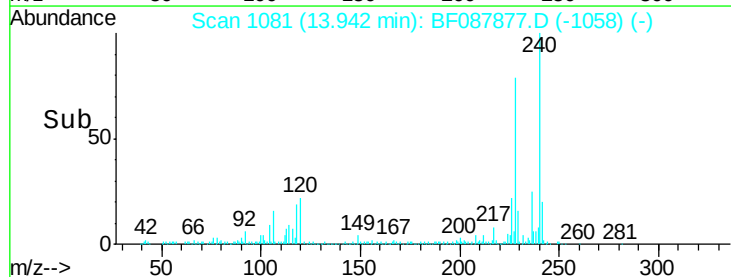
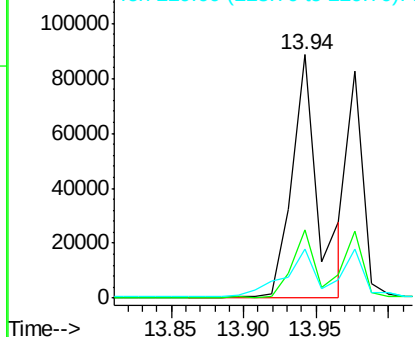


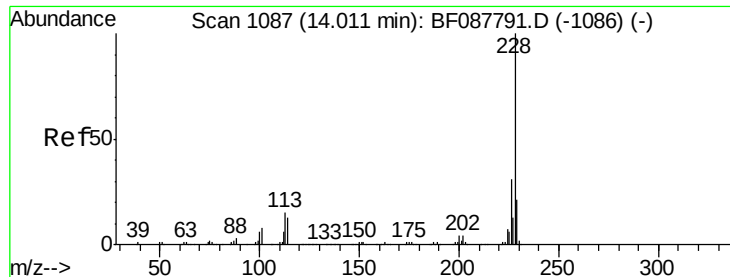
#80
 Benzo(a)anthracene
 Concen: 7.31 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.03 min
 Lab File: BF087877.D
 Acq: 10 Jun 2016 16:27

Tgt Ion:228 Resp: 113307
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.3 33.5
 229 20.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.77 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.07 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SS-56

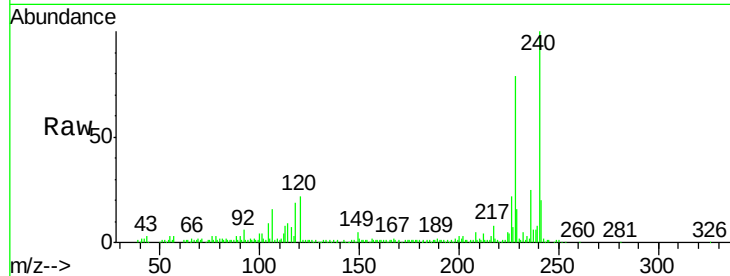
Tgt Ion:228 Resp: 113307

Ion Ratio Lower Upper

228 100

226 28.0 25.4 38.2

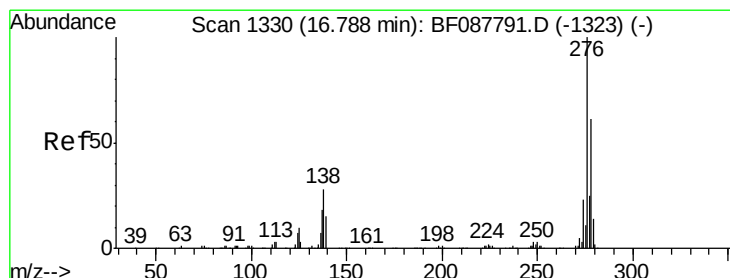
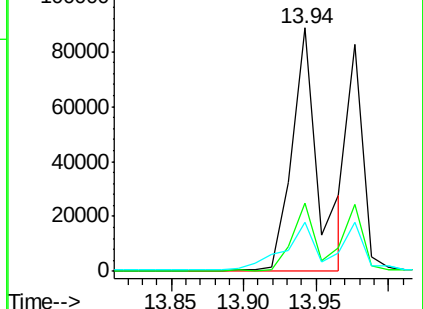
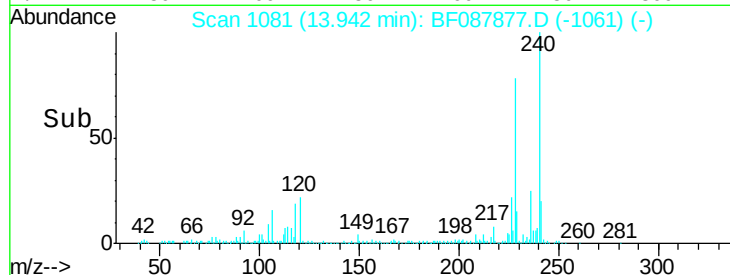
229 20.3 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.44 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.08 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

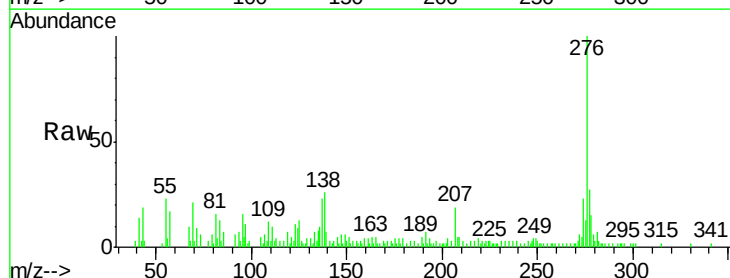
Tgt Ion:276 Resp: 33109

Ion Ratio Lower Upper

276 100

138 28.3 0.0 0.0#

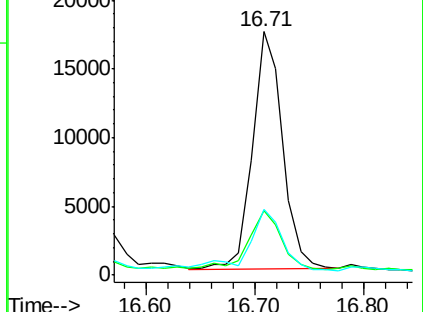
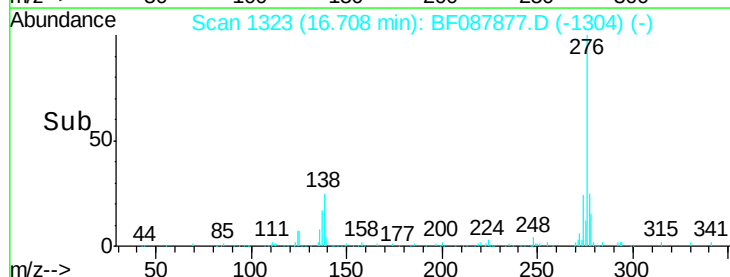
277 30.4 0.0 0.0#

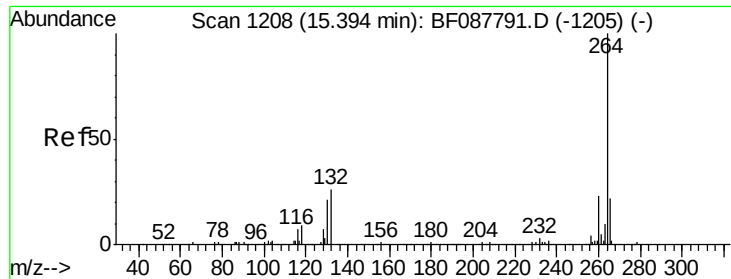


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

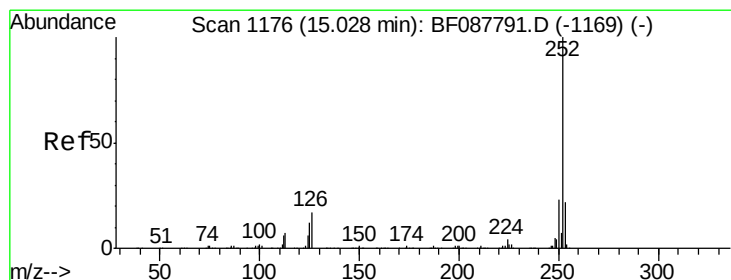
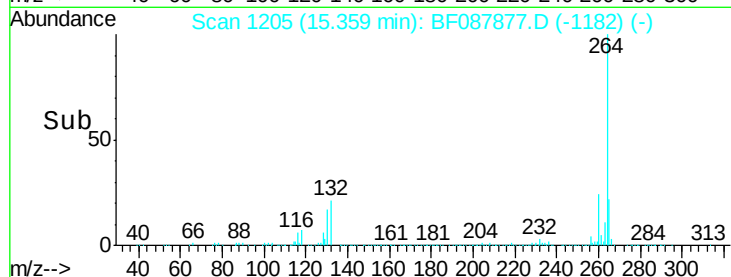
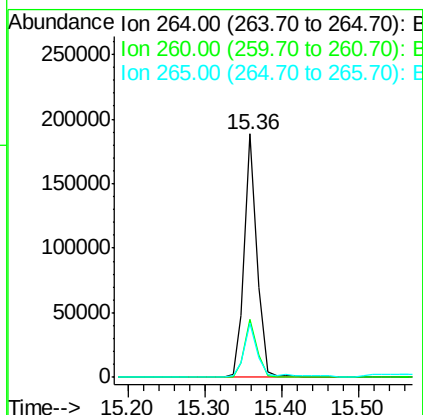
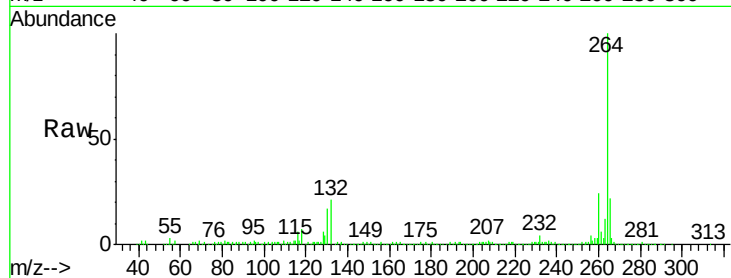




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

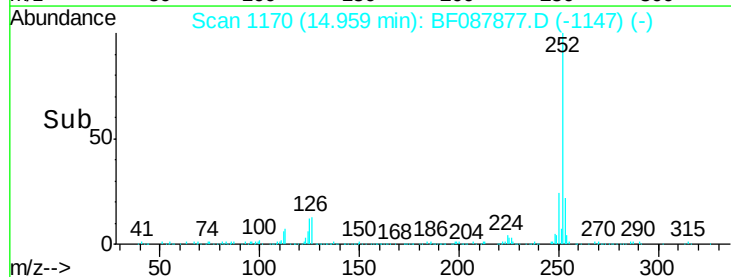
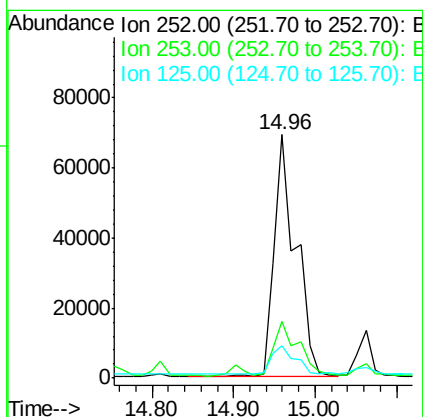
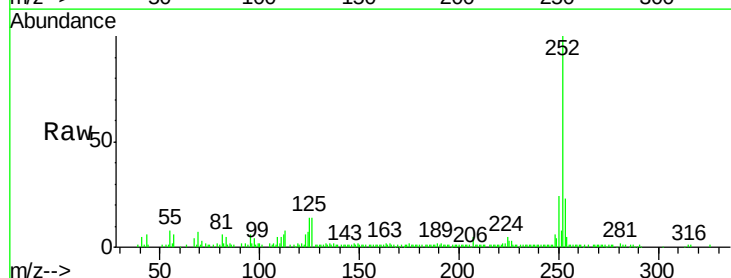
Instrument :
BNA_F
ClientSampled :
SS-56

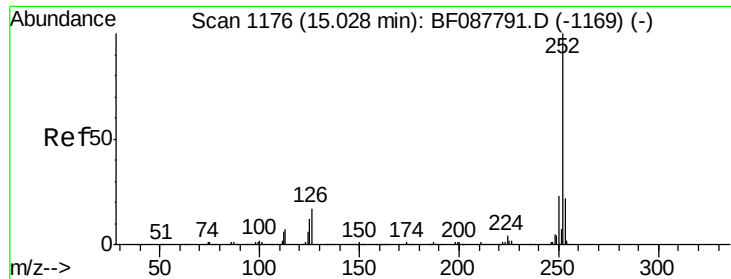
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.3	16.9	25.3



#87
Benzo(b)fluoranthene
Concen: 8.41 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	13.6	7.1	10.7#

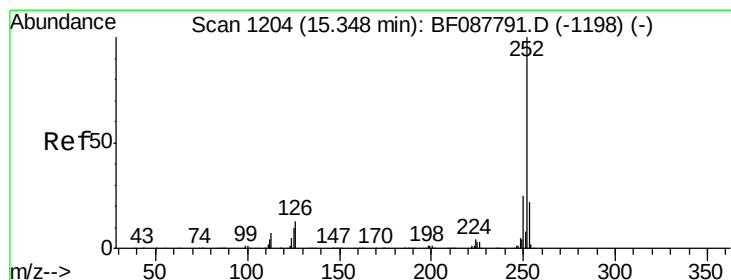
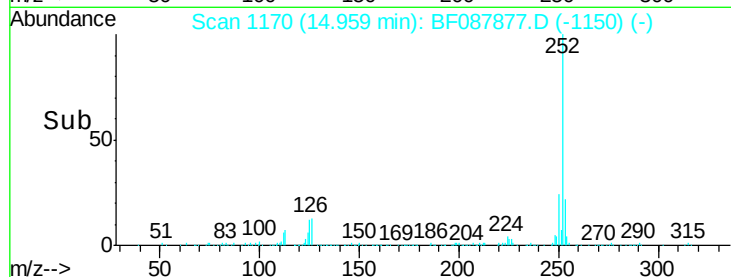
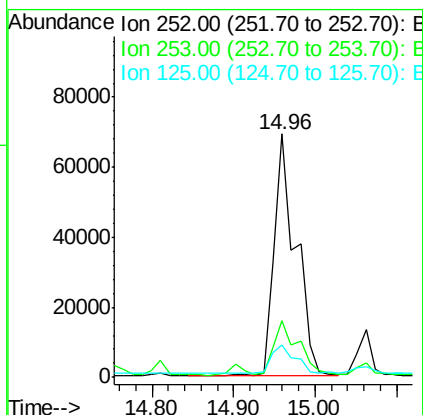
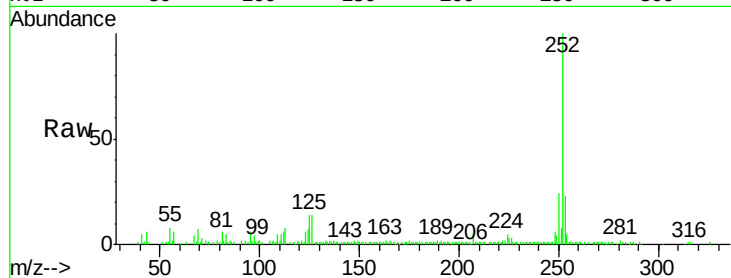




#88
Benzo(k)fluoranthene
Concen: 11.15 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.07 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

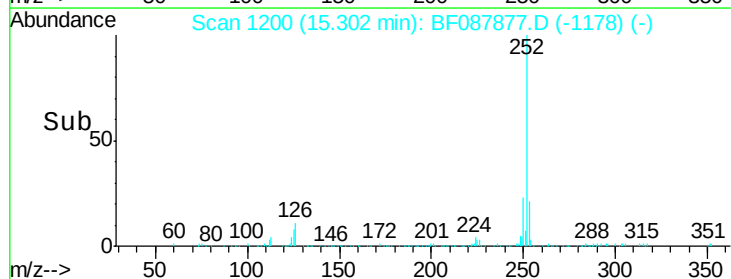
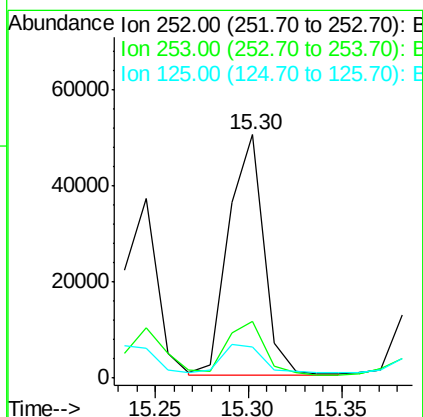
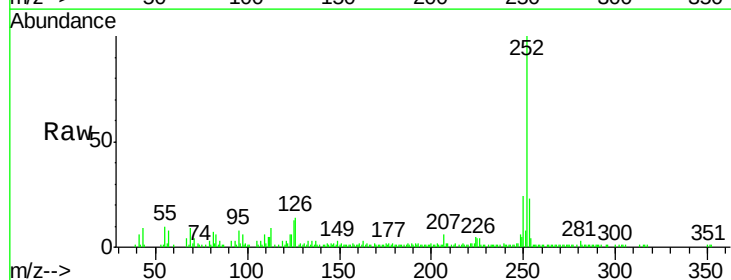
Instrument :
BNA_F
ClientSampleId :
SS-56

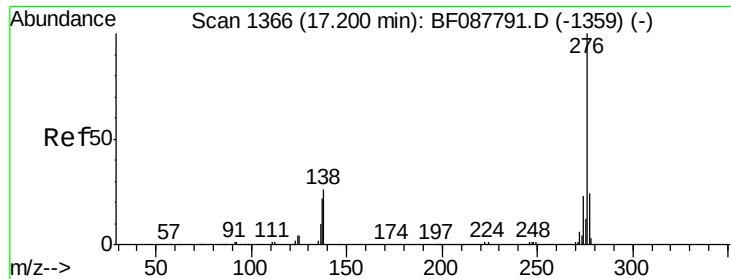
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	13.6	11.2	16.8



#89
Benzo(a)pyrene
Concen: 5.33 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	12.6	12.5	18.7





#91

Benzo(g,h,i)perylene

Concen: 2.78 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.08 min

Lab File: BF087877.D

Acq: 10 Jun 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SS-56

Tgt Ion: 276 Resp: 32983

Ion Ratio Lower Upper

276 100

277 28.1 18.9 28.3

138 27.5 21.4 32.2

