

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086944.D
 Acq On : 12 May 2016 21:51
 Operator : UM/SJ
 Sample : H2968-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Quant Time: May 13 00:51:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

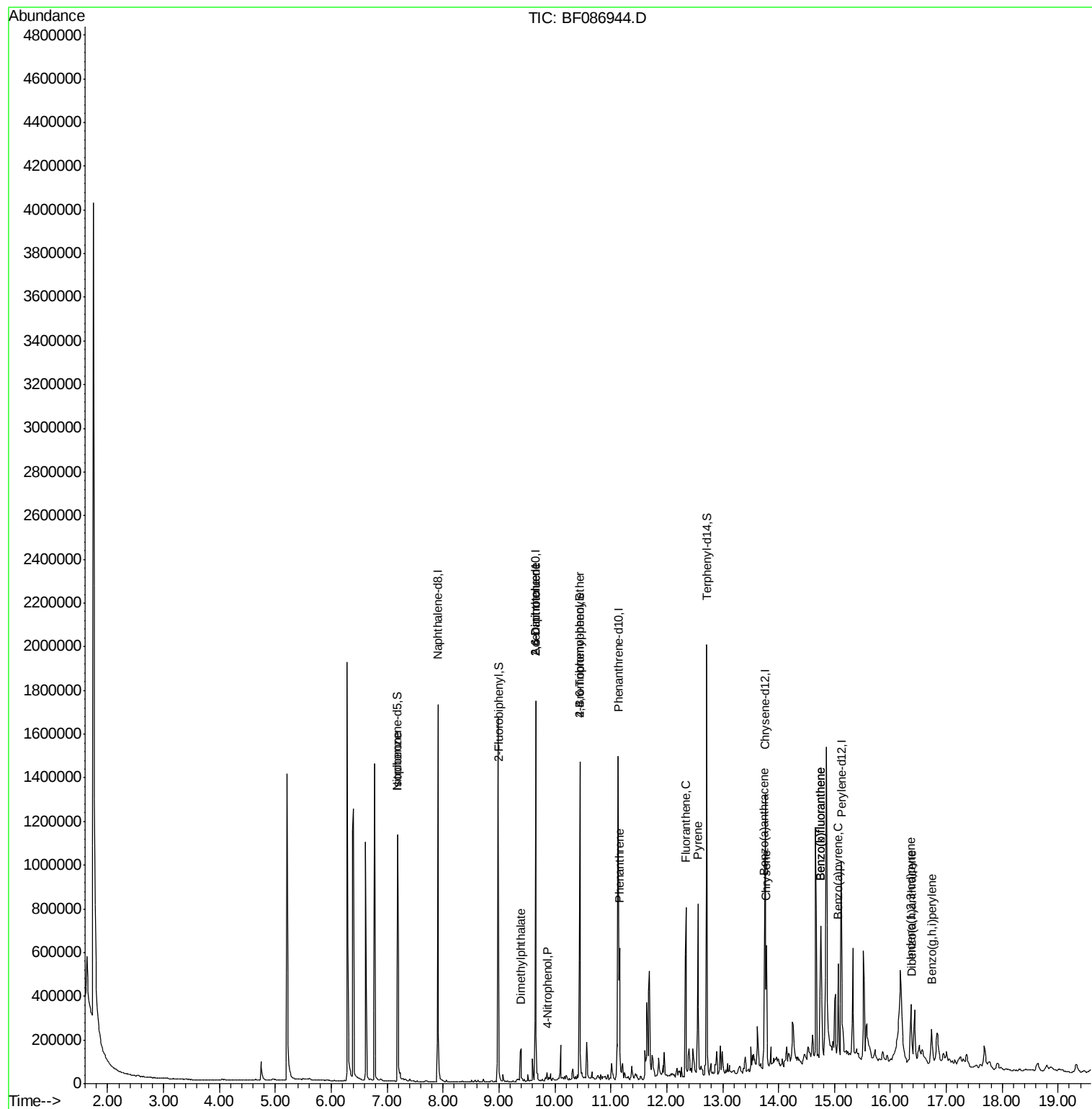
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.69
21) Naphthalene-d8	7.91	136	681911	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	310271	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	504565	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	362479	20.00	ng	-0.08
86) Perylene-d12	15.12	264	369417	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	404071	0.00	ng	-0.08
7) Phenol-d6	6.28	99	628543	0.00	ng	-0.08
23) Nitrobenzene-d5	7.19	82	397510	29.27	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	167312	50.94	ng	-0.08
44) 2-Fluorobiphenyl	8.99	172	700958	37.97	ng	-0.07
78) Terphenyl-d14	12.72	244	674565	39.48	ng	-0.08
Target Compounds						
25) Isophorone	7.19	82	385647	15.31	ng	# 68
49) Dimethylphthalate	9.39	163	77017	3.25	ng	99
50) 2,6-Dinitrotoluene	9.66	165	40082	8.05	ng	# 21
55) 4-Nitrophenol	9.86	139	2131	5.13	ng	# 14
56) 2,4-Dinitrotoluene	9.66	165	40295	6.54	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	10405	2.03	ng	# 1
70) Phenanthrene	11.15	178	188201	6.99	ng	99
74) Fluoranthene	12.34	202	411683	14.86	ng	91
77) Pyrene	12.56	202	332310	11.97	ng	98
80) Benzo(a)anthracene	13.75	228	158930	7.81	ng	97
82) Chrysene	13.78	228	214601	10.37	ng	97
85) Indeno(1,2,3-cd)pyrene	16.37	276	133842	7.77	ng	# 91
87) Benzo(b)fluoranthene	14.75	252	401619	16.73	ng	# 96
88) Benzo(k)fluoranthene	14.75	252	401619	20.43	ng	99
89) Benzo(a)pyrene	15.06	252	194545	9.39	ng	96
90) Dibenzo(a,h)anthracene	16.38	278	37245	2.13	ng	94
91) Benzo(g,h,i)perylene	16.74	276	121430	6.85	ng	# 93

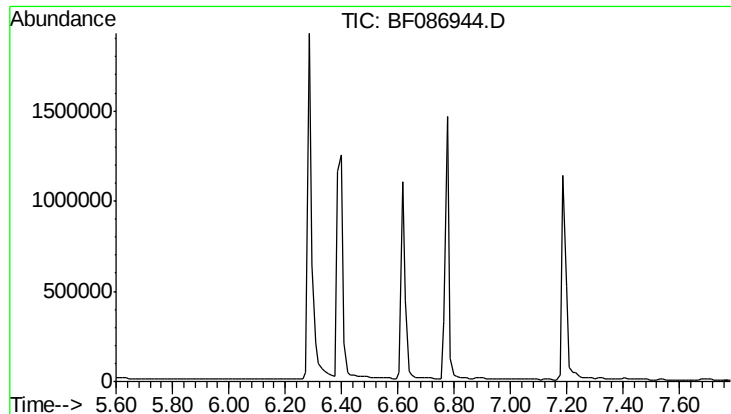
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086944.D
Acq On : 12 May 2016 21:51
Operator : UM/SJ
Sample : H2968-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-02

Quant Time: May 13 00:51:29 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 6.69 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

SS-02

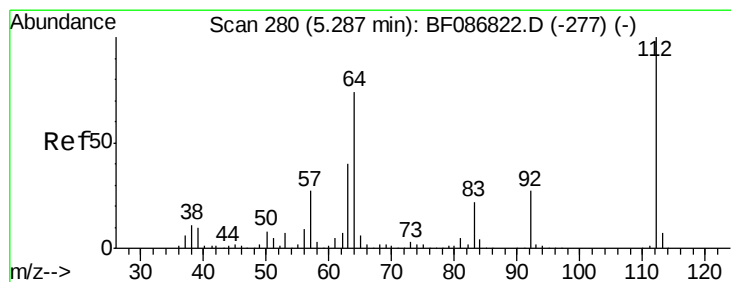
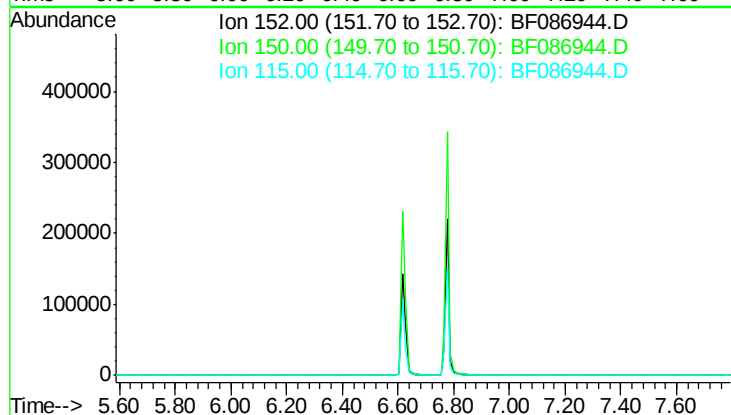
Tgt Ion: 152

Sig Exp Ratio

152 100

150 157.2

115 64.4



#5

2-Fluorophenol

Concen: 0.00 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

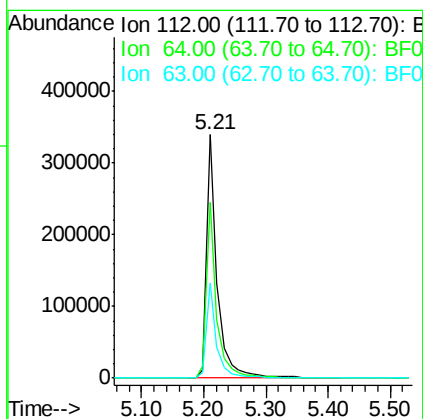
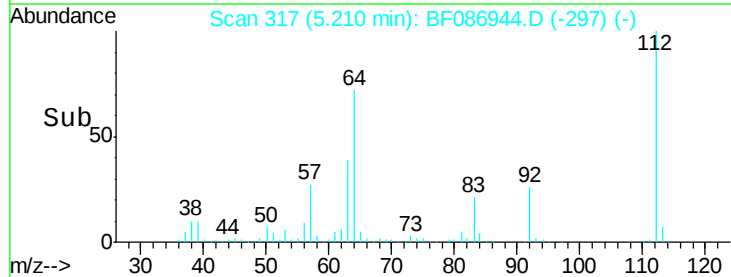
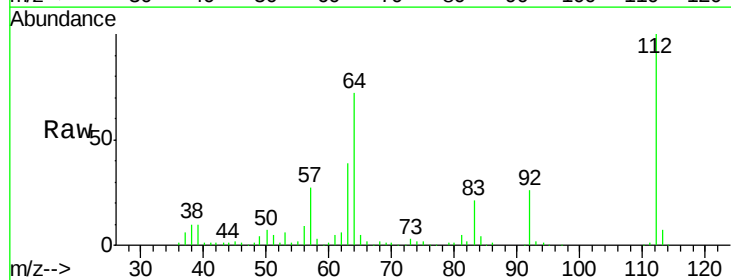
Tgt Ion: 112 Resp: 404071

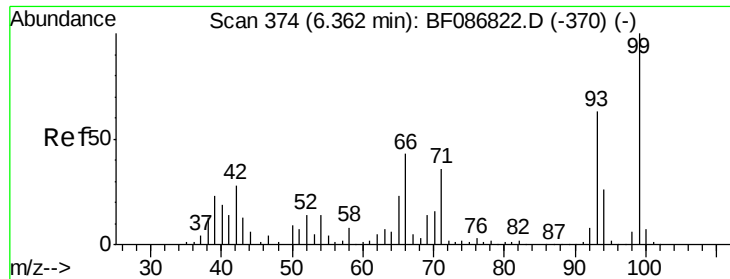
Ion Ratio Lower Upper

112 100

64 72.4 52.1 78.1

63 38.9 25.7 38.5#





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

SS-02

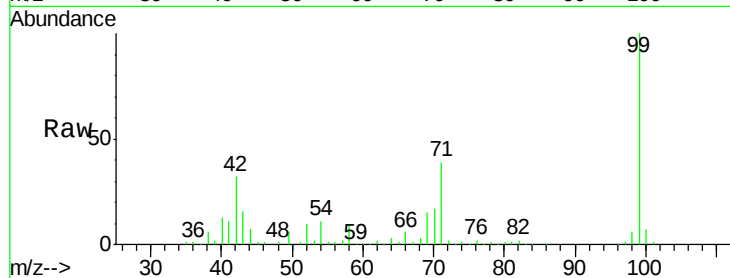
Tgt Ion: 99 Resp: 628543

Ion Ratio Lower Upper

99 100

42 32.1 13.6 20.4#

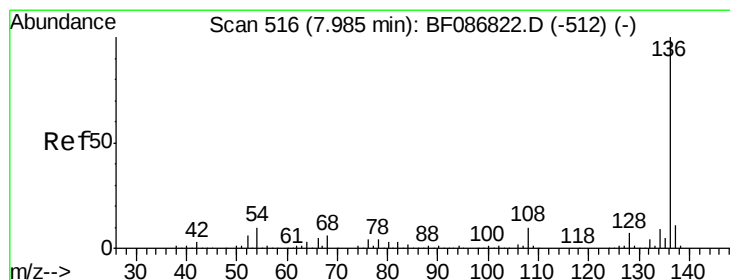
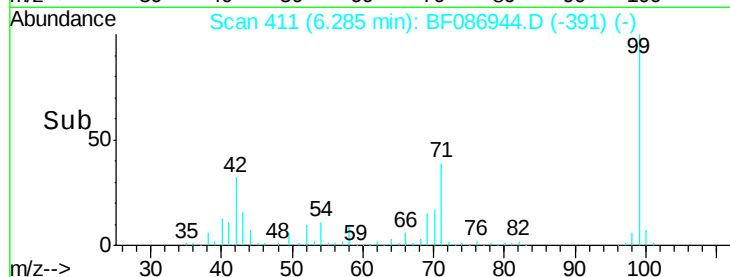
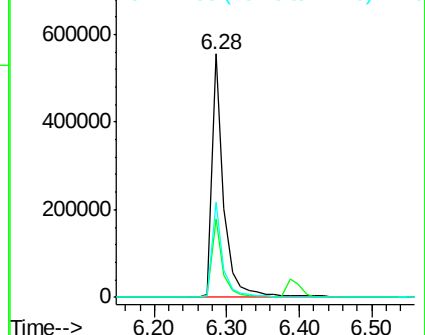
71 39.0 24.6 36.8#



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: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Tgt Ion: 136 Resp: 681911

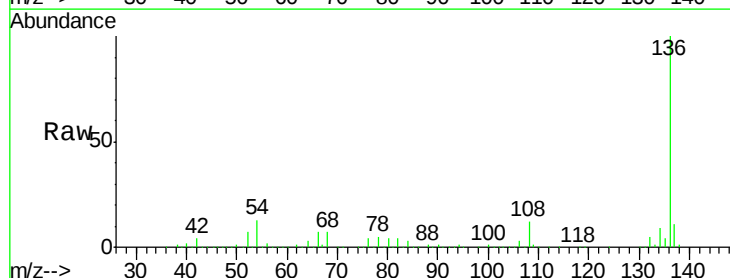
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 13.1 5.0 7.4#

68 6.9 4.4 6.6#

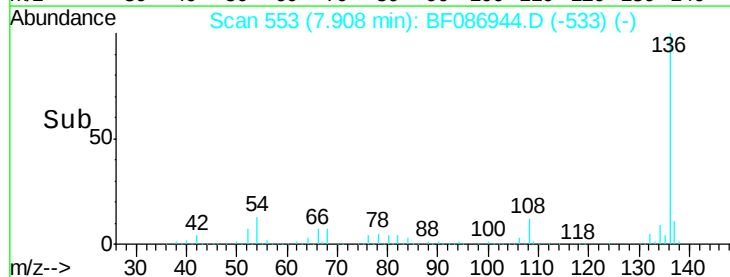
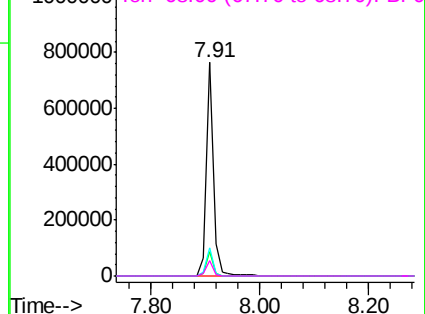


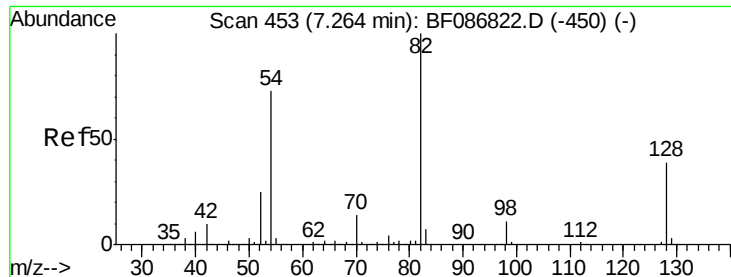
Abundance Ion 136.00 (135.70 to 136.70): E

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

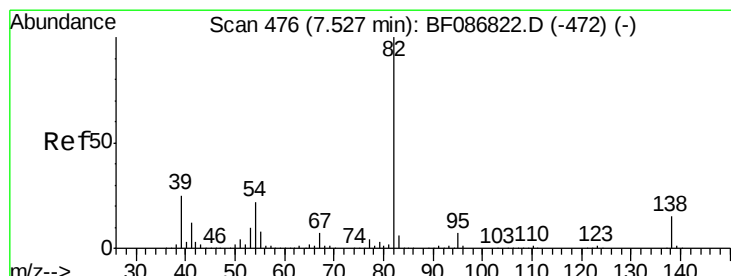
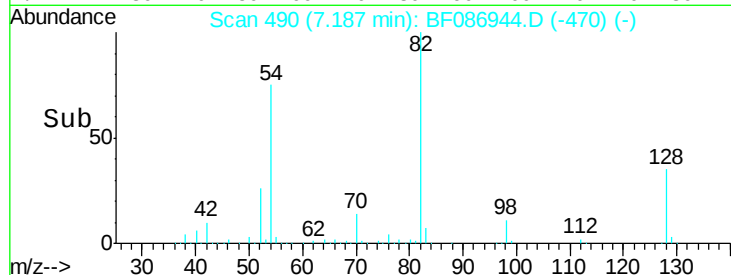
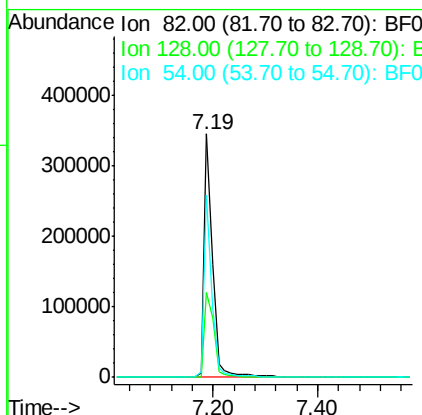
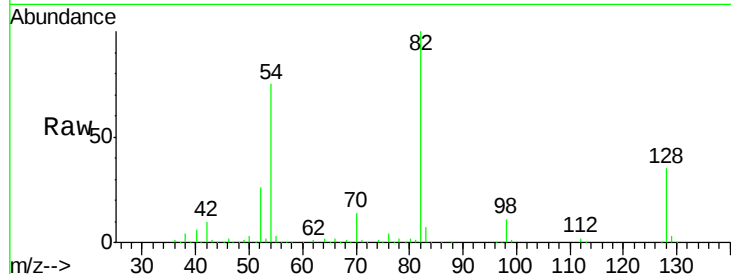




#23
 Nitrobenzene-d5
 Concen: 29.27 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.08 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

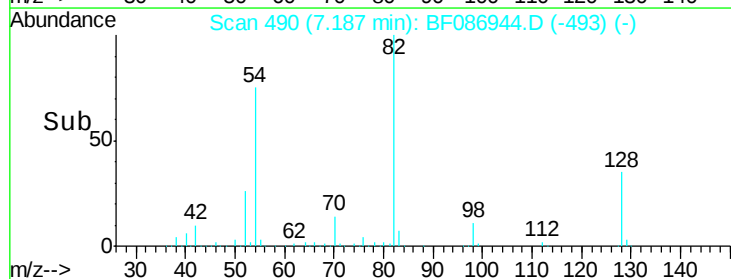
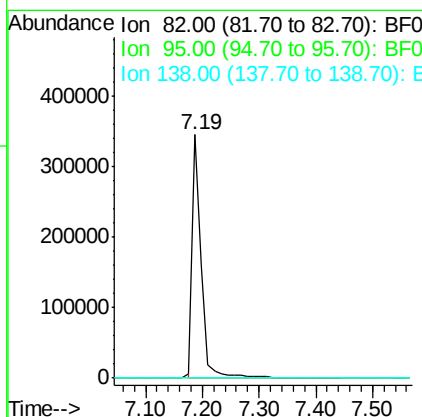
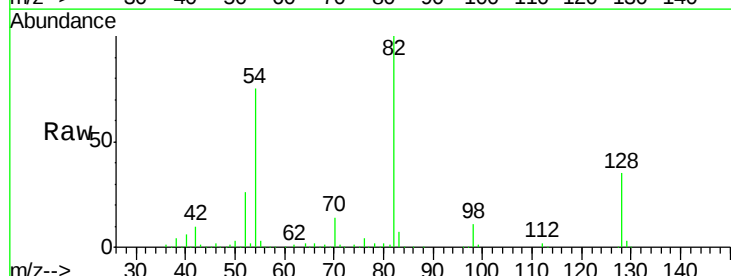
Instrument :
 BNA_F
 ClientSampleId :
 SS-02

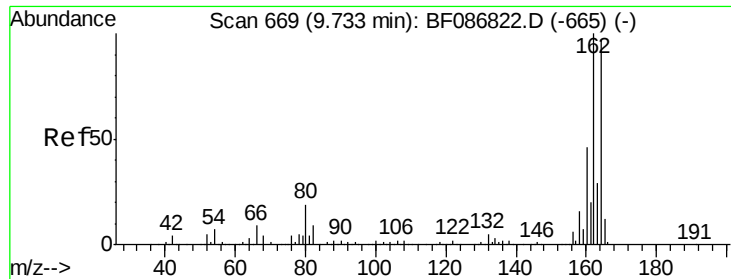
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.0	40.6	61.0#
54	75.0	38.1	57.1#



#25
 Isophorone
 Concen: 15.31 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.34 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.08 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

SS-02

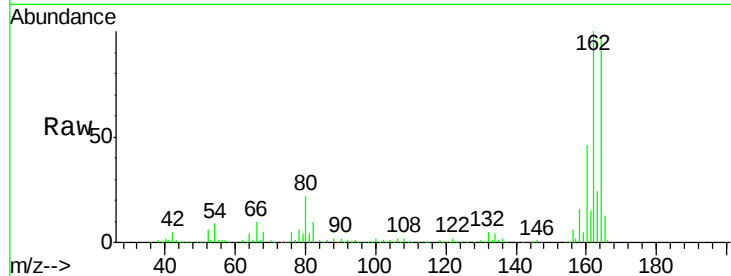
Tgt Ion:164 Resp: 310271

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

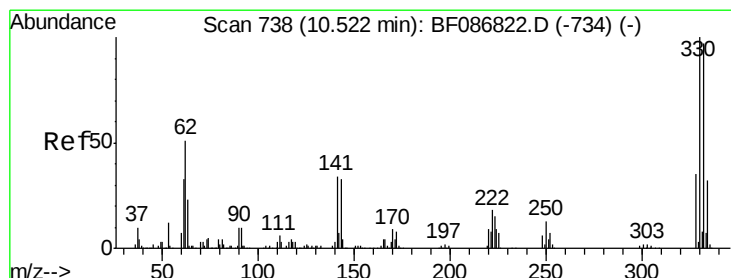
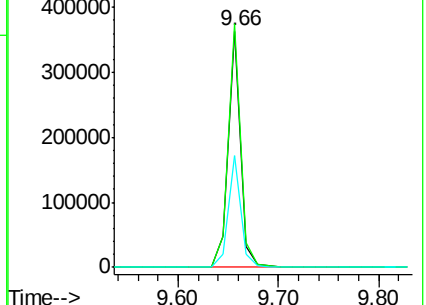
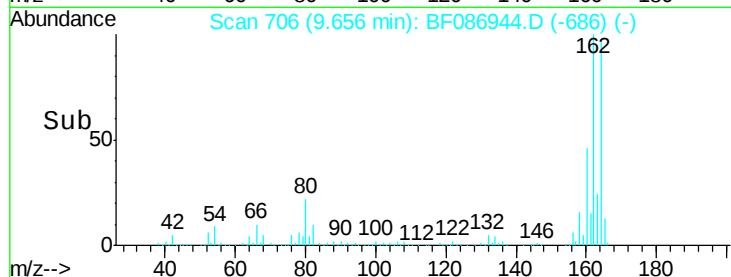
160 47.2 36.9 55.3



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: 50.94 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.08 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

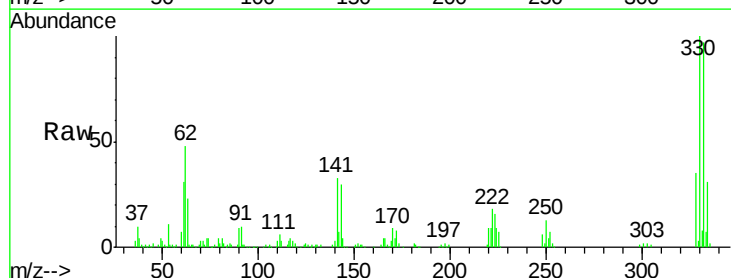
Tgt Ion:330 Resp: 167312

Ion Ratio Lower Upper

330 100

332 97.1 79.0 118.4

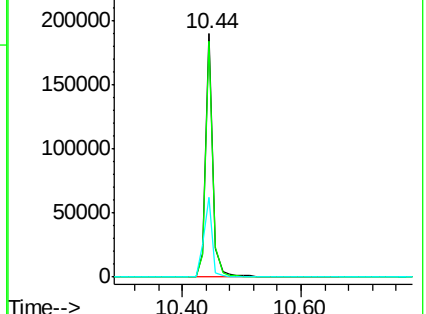
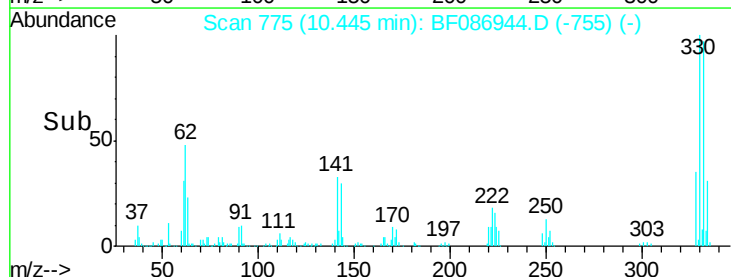
141 39.2 31.2 46.8

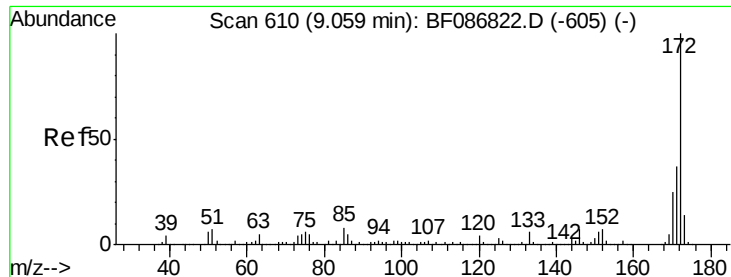


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

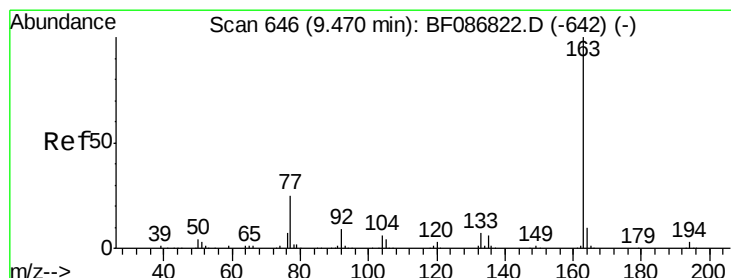
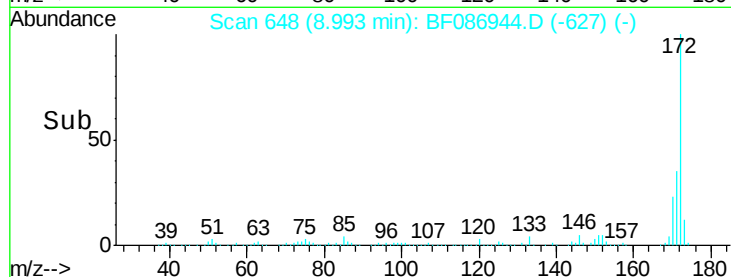
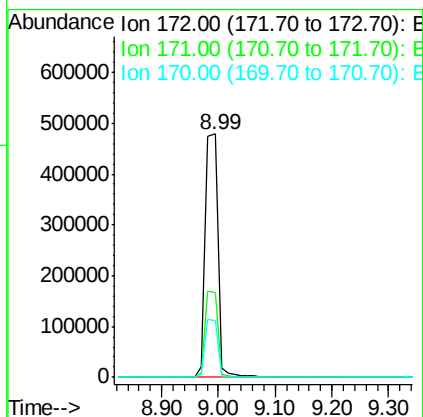
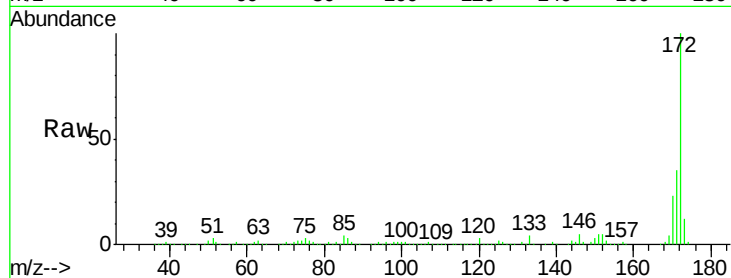




#44
 2-Fluorobiphenyl
 Concen: 37.97 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

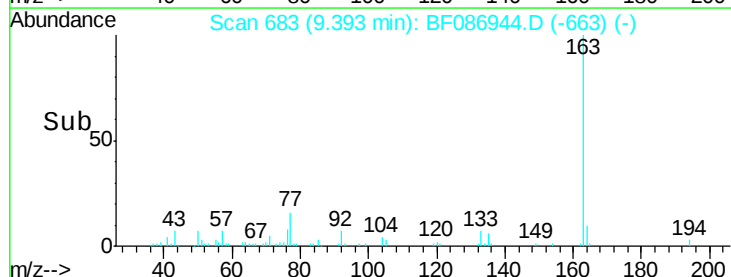
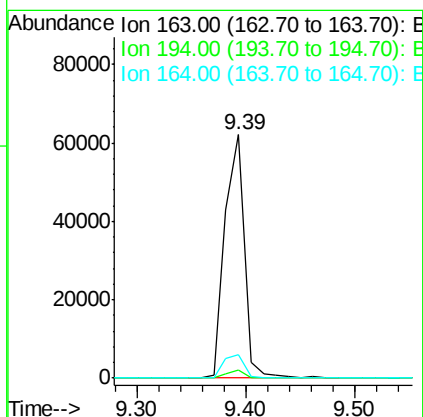
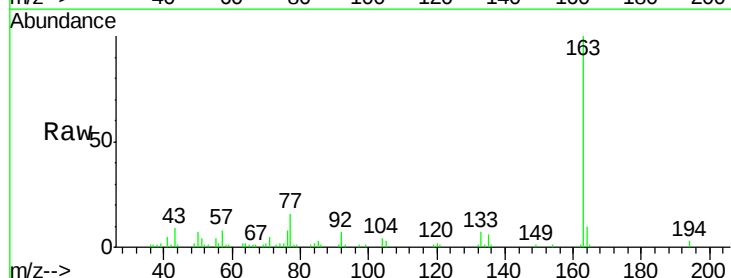
Instrument :
 BNA_F
 ClientSampleId :
 SS-02

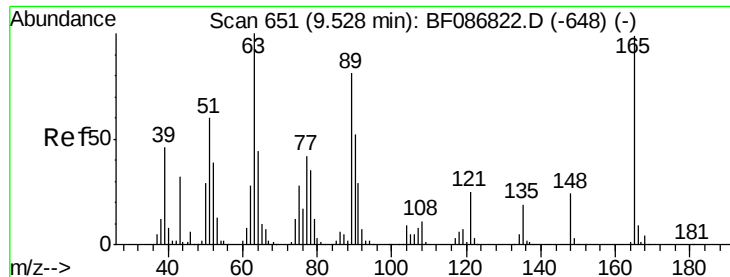
Tgt Ion:172 Resp: 700958
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.0 43.6
 170 23.2 19.8 29.8



#49
 Dimethylphthalate
 Concen: 3.25 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.08 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Tgt Ion:163 Resp: 77017
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 9.9 8.2 12.4





#50

2,6-Dinitrotoluene

Concen: 8.05 ng

RT: 9.66 min Scan# 706

Delta R.T. 0.13 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

SS-02

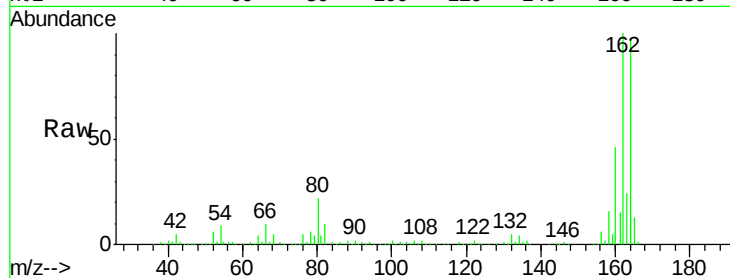
Tgt Ion:165 Resp: 40082

Ion Ratio Lower Upper

165 100

63 2.0 51.8 77.8#

89 2.0 50.7 76.1#

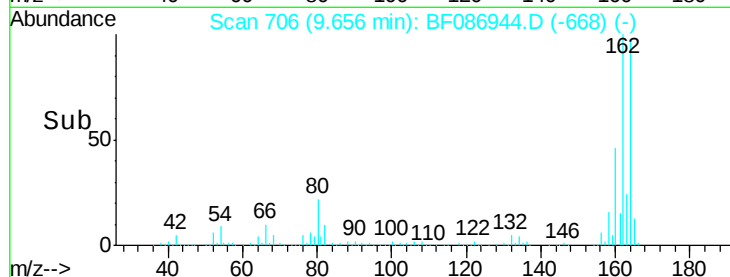


Abundance Ion 165.00 (164.70 to 165.70): E

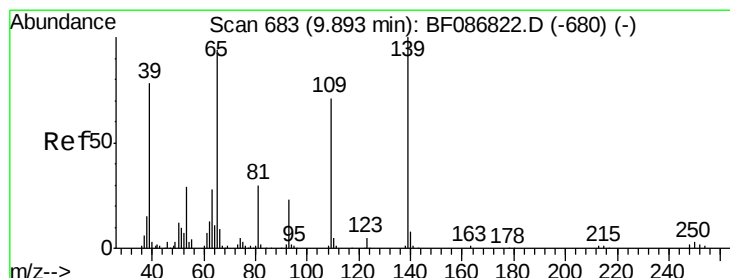
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Time-->



Time-->



#55

4-Nitrophenol

Concen: 5.13 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

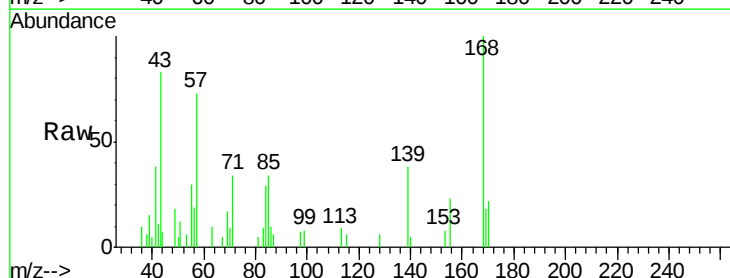
Tgt Ion:139 Resp: 2131

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

65 0.0 64.0 104.0#

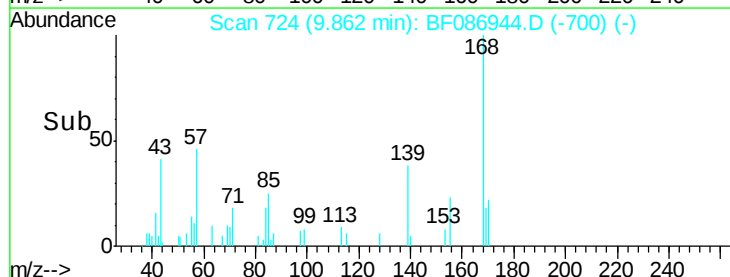


Abundance Ion 139.00 (138.70 to 139.70): E

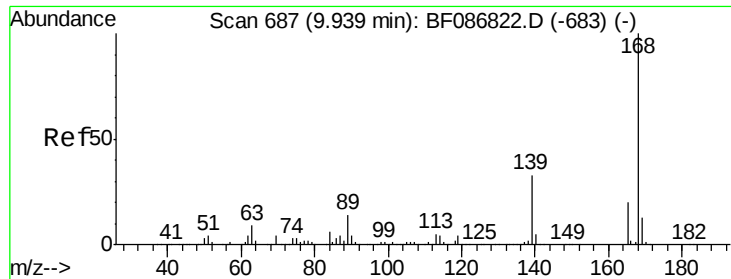
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

Time-->



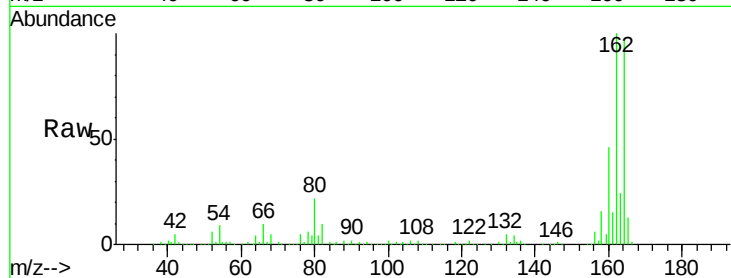
Time-->



#56
 2,4-Dinitrotoluene
 Concen: 6.54 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.28 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.3	66.5#
89	2.0	70.0	105.0#
182	0.0	1.8	2.6#

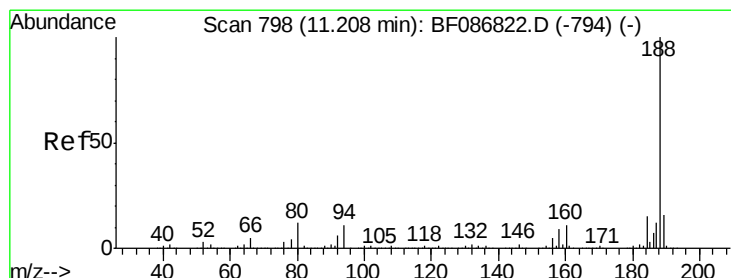
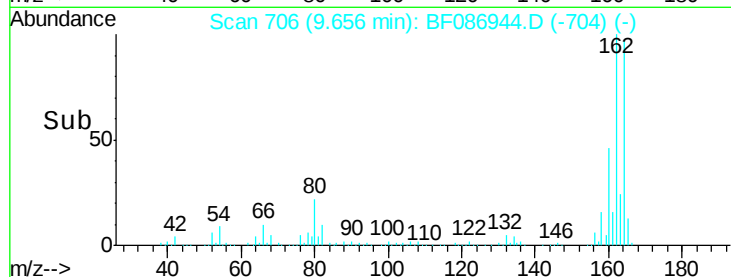
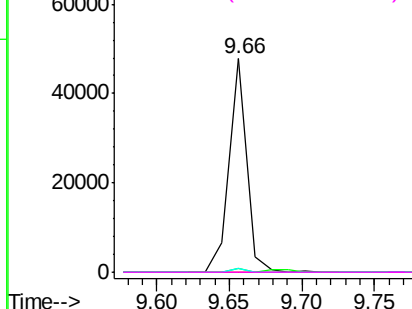


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

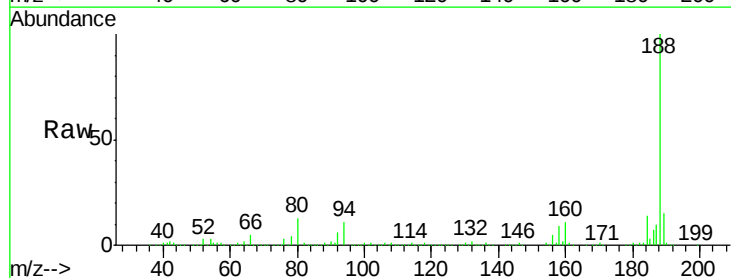
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.08 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

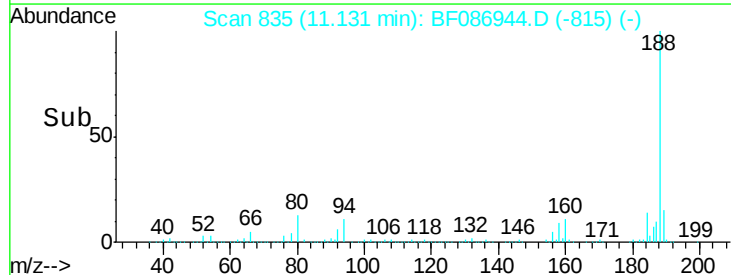
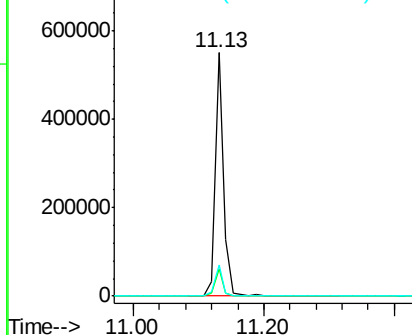
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	6.8	10.2#
80	12.5	7.1	10.7#

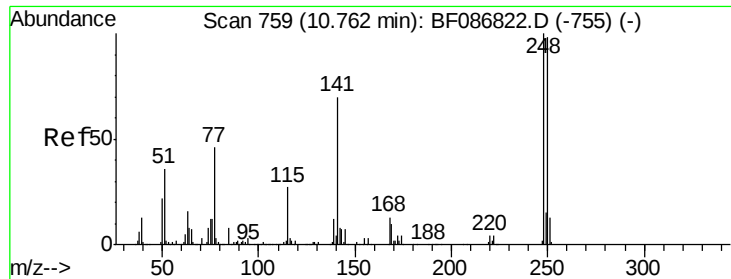


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

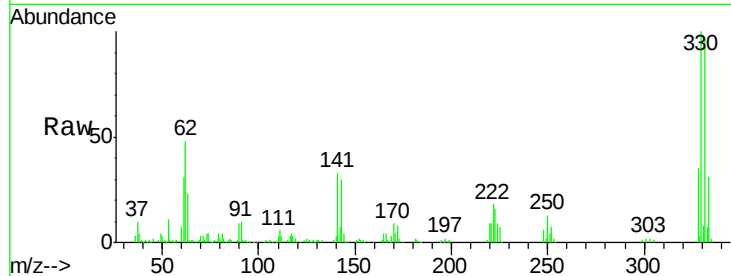




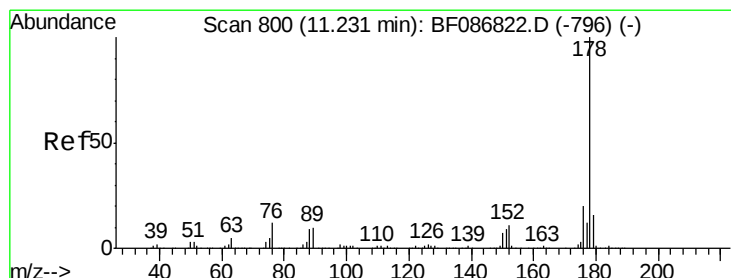
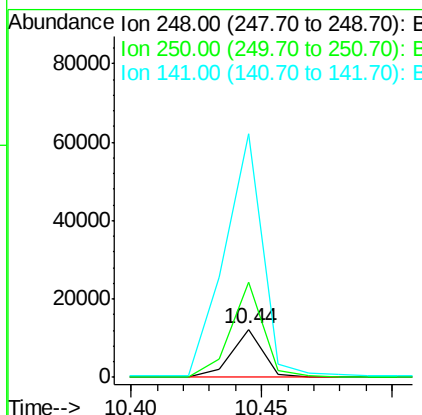
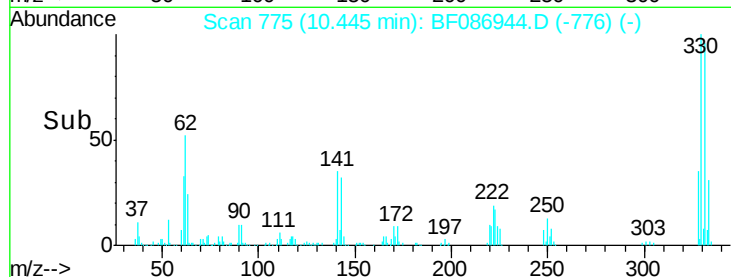
#66
 4-Bromophenyl-phenylether
 Concen: 2.03 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.32 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Tgt Ion:248 Resp: 10405
 Ion Ratio Lower Upper
 248 100
 250 198.1 78.6 117.8#
 141 506.7 76.0 114.0#

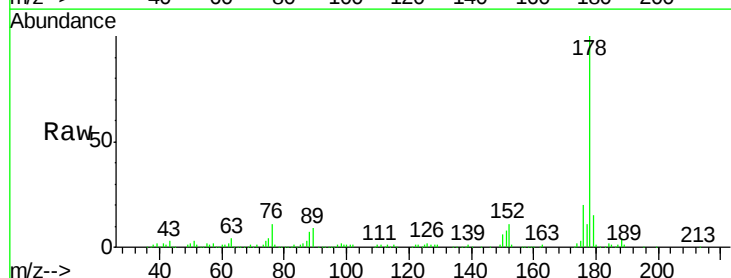


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

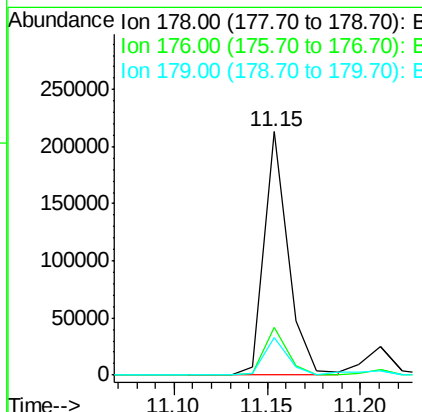
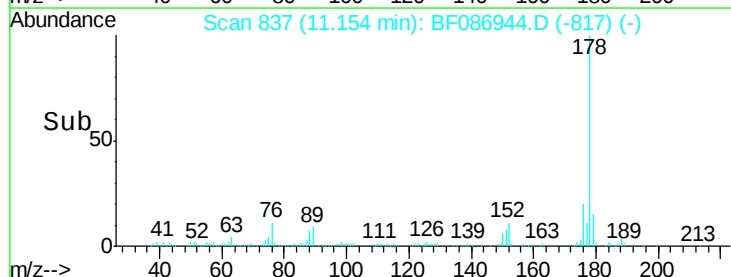


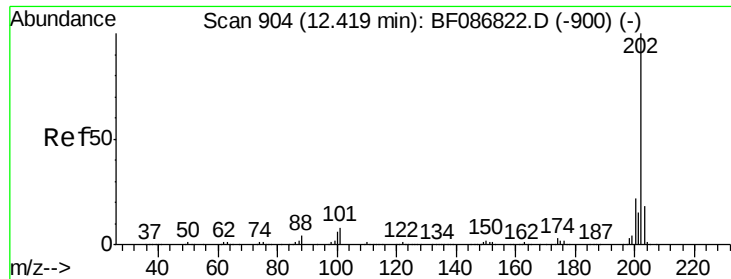
#70
 Phenanthrene
 Concen: 6.99 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.08 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Tgt Ion:178 Resp: 188201
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.0 24.0
 179 15.5 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: 14.86 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.08 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

SS-02

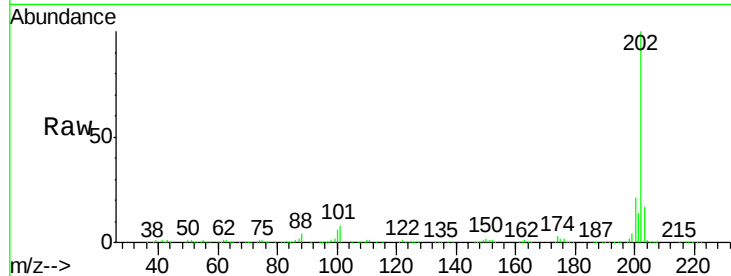
Tgt Ion: 202 Resp: 411683

Ion Ratio Lower Upper

202 100

101 8.2 0.0 35.4

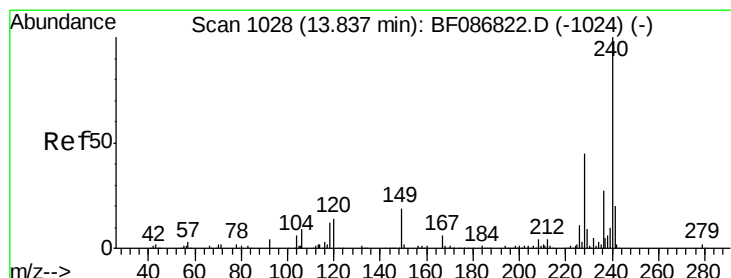
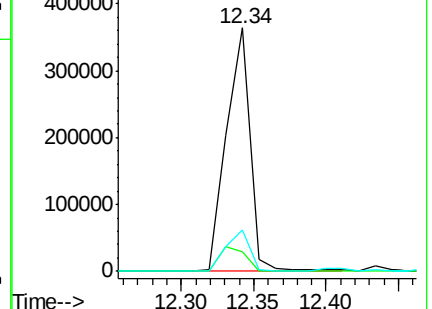
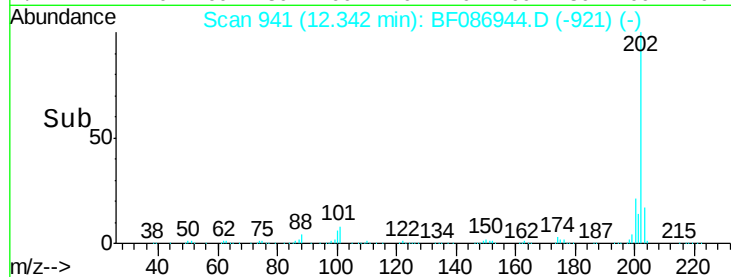
203 17.0 0.0 38.1



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: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

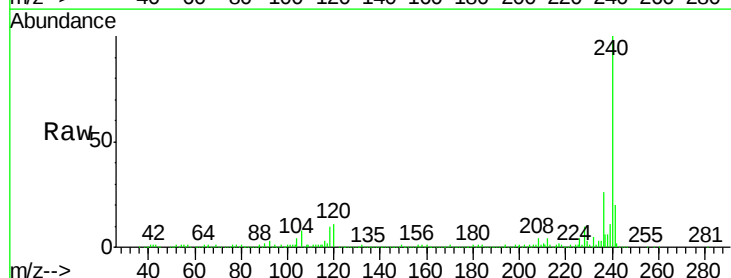
Tgt Ion: 240 Resp: 362479

Ion Ratio Lower Upper

240 100

120 11.4 11.2 16.8

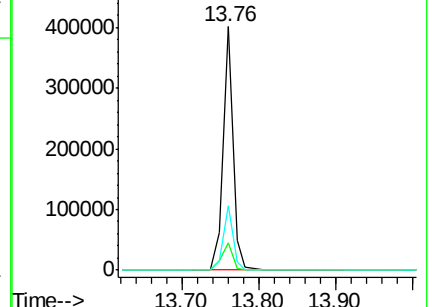
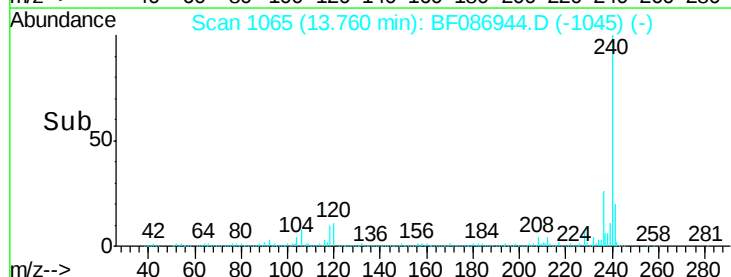
236 26.4 21.2 31.8

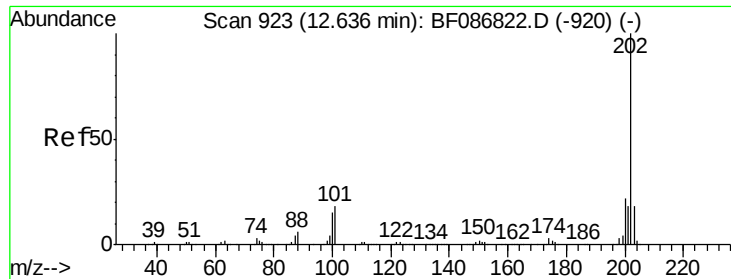


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

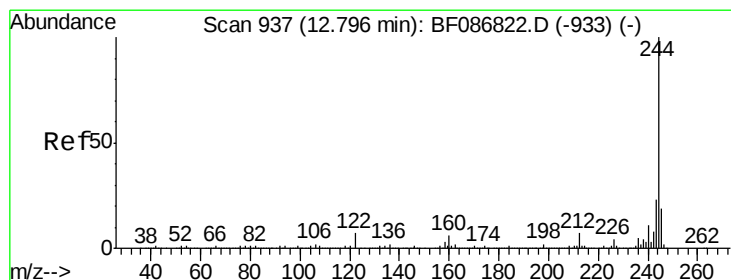
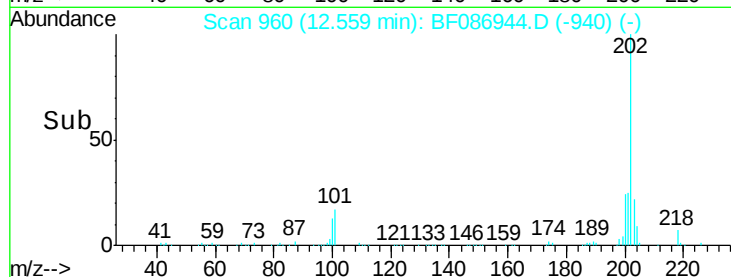
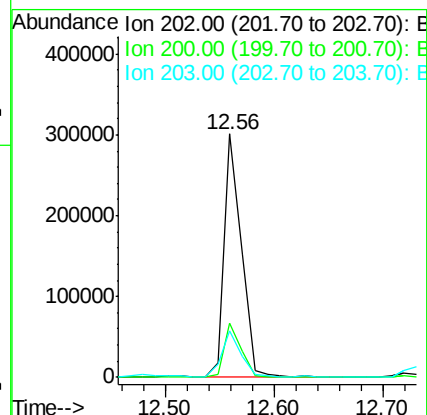
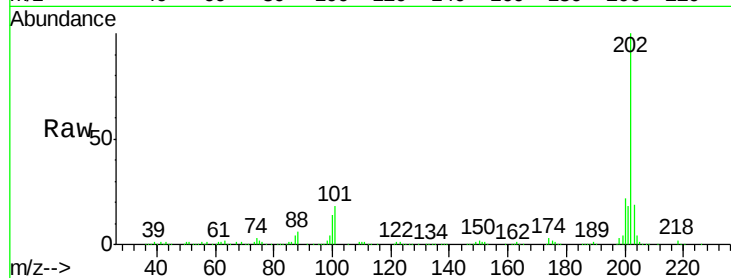




#77
 Pyrene
 Concen: 11.97 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.08 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

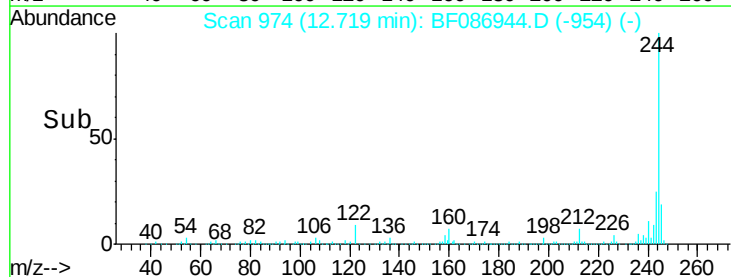
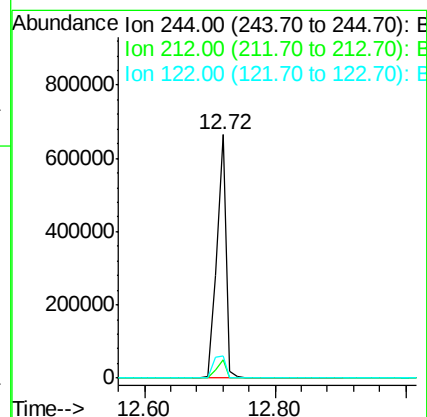
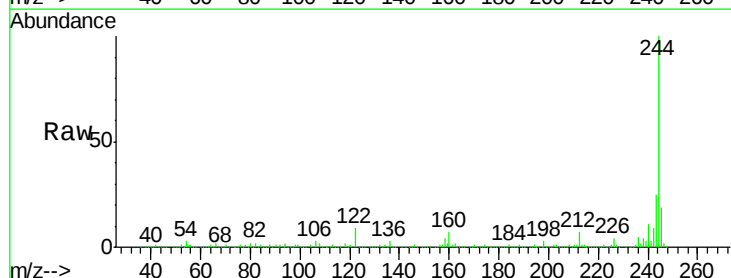
Instrument :
 BNA_F
 ClientSampleId :
 SS-02

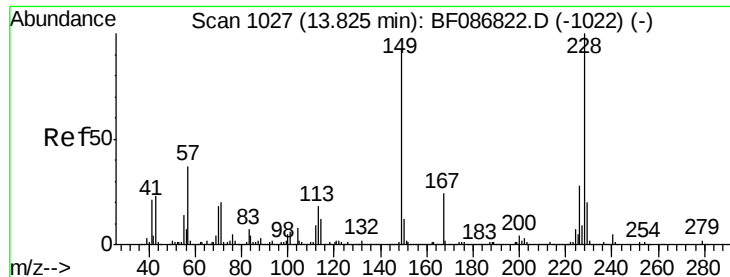
Tgt Ion: 202 Resp: 332310
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.7 26.5
 203 19.3 14.2 21.4



#78
 Terphenyl-d14
 Concen: 39.48 ng
 RT: 12.72 min Scan# 974
 Delta R.T. -0.08 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Tgt Ion: 244 Resp: 674565
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.3 12.0 18.0#





#80

Benzo(a)anthracene

Concen: 7.81 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.08 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampled :

SS-02

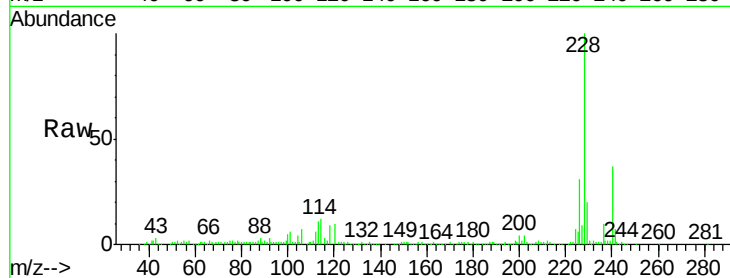
Tgt Ion:228 Resp: 158930

Ion Ratio Lower Upper

228 100

226 30.7 22.5 33.7

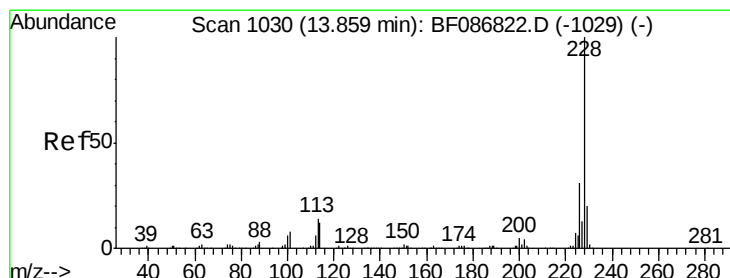
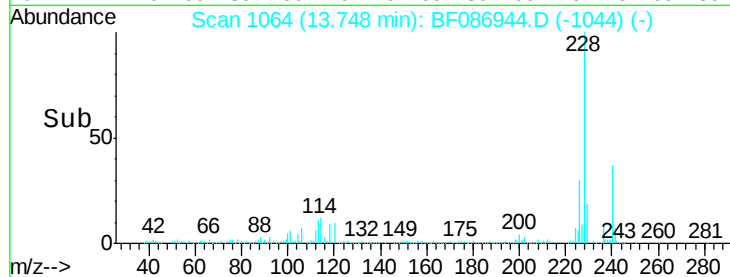
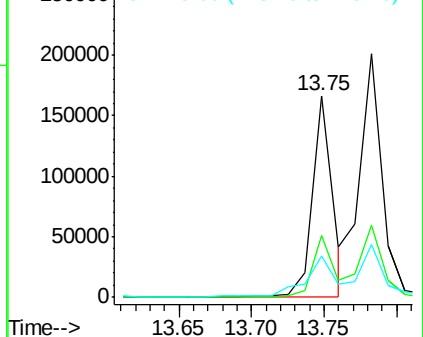
229 20.3 16.6 25.0



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: 10.37 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.08 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

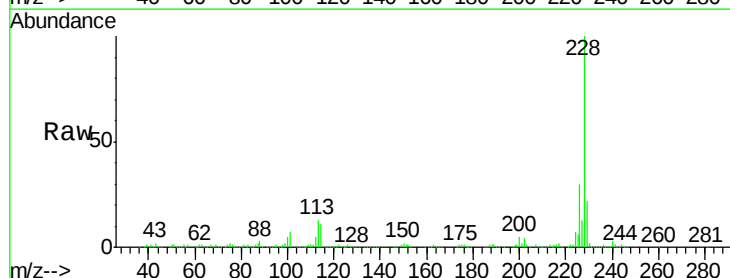
Tgt Ion:228 Resp: 214601

Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

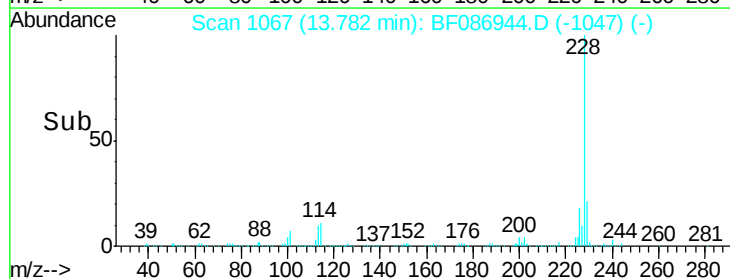
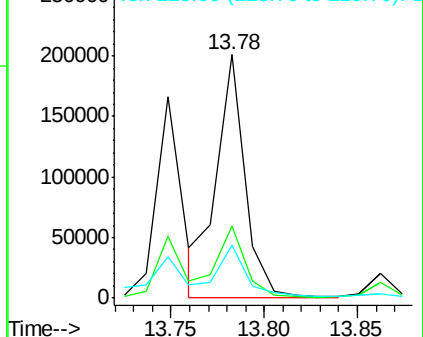
229 21.5 15.8 23.8

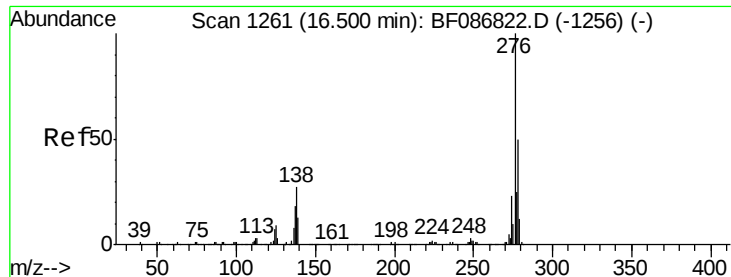


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

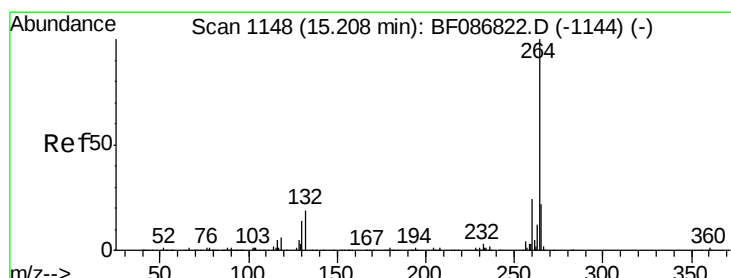
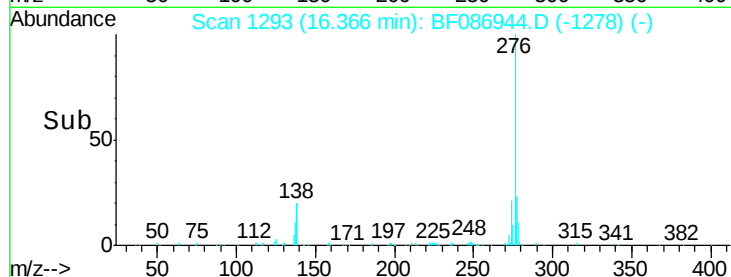
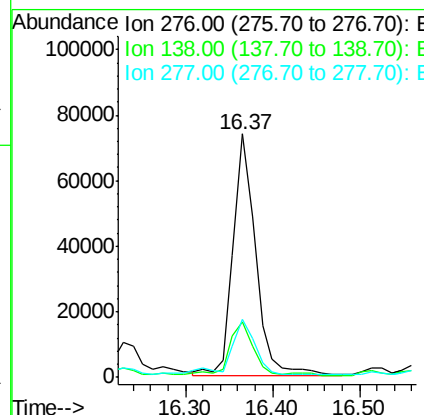
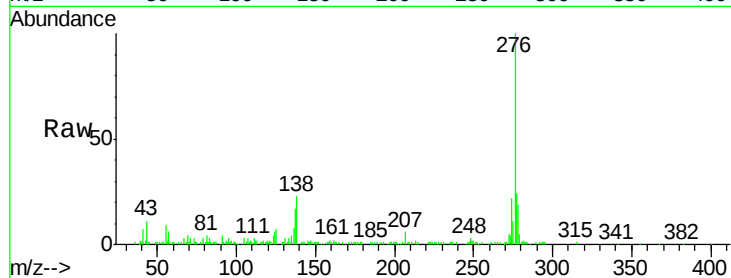




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.77 ng
 RT: 16.37 min Scan# 1293
 Delta R.T. -0.13 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

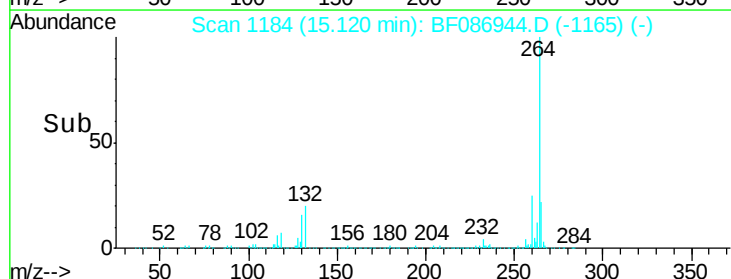
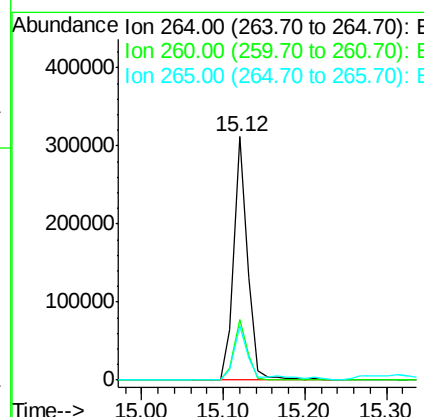
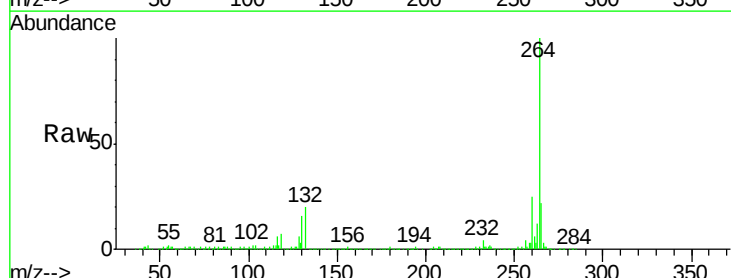
Instrument :
 BNA_F
 ClientSampleId :
 SS-02

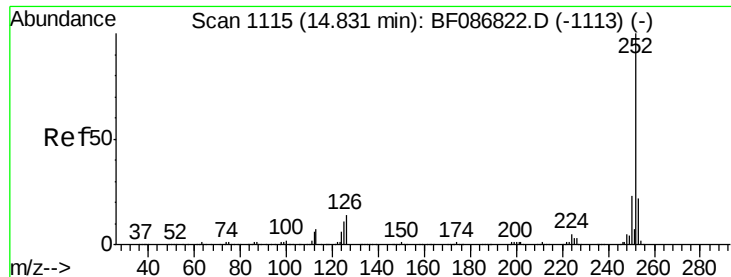
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.6	38.4#
277	25.5	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1184
 Delta R.T. -0.09 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	22.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 16.73 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.08 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

SS-02

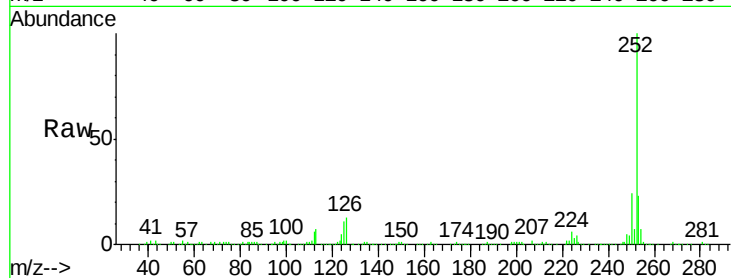
Tgt Ion:252 Resp: 401619

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

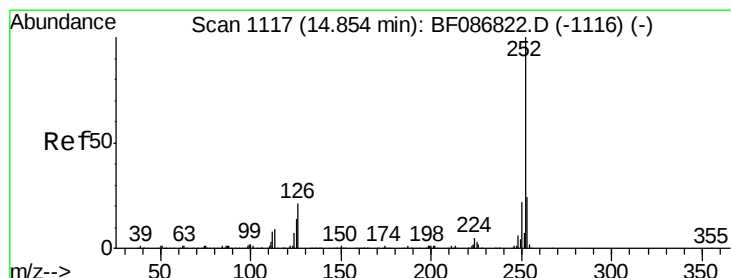
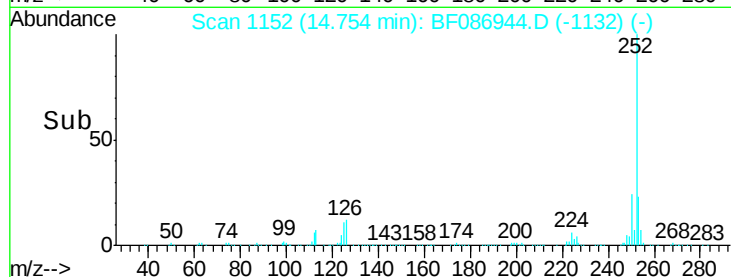
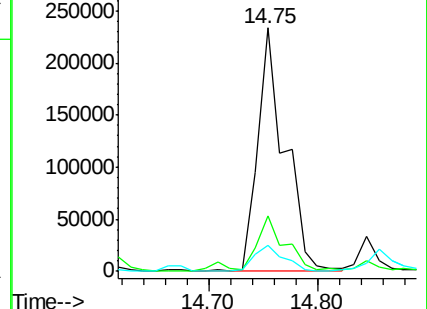
125 10.9 11.4 17.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 20.43 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.10 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

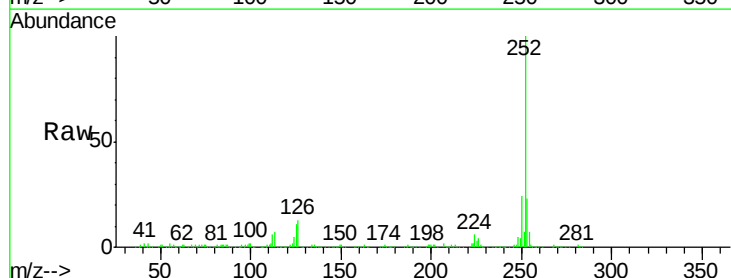
Tgt Ion:252 Resp: 401619

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

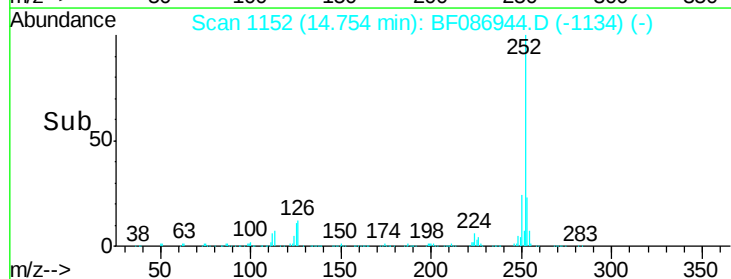
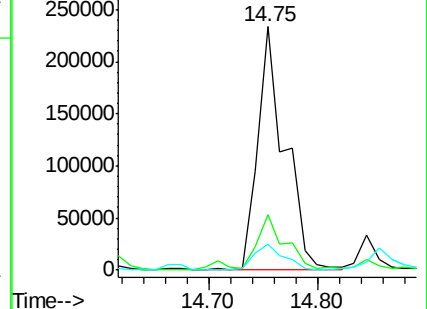
125 10.9 9.1 13.7

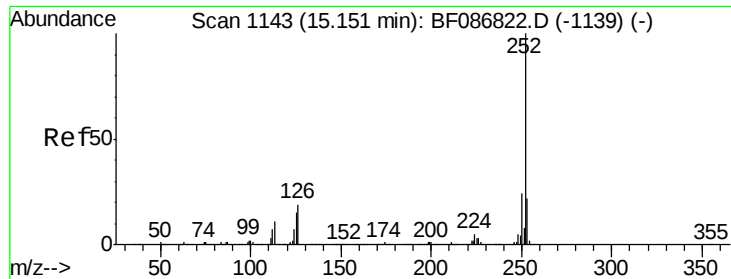


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.39 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.09 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

SS-02

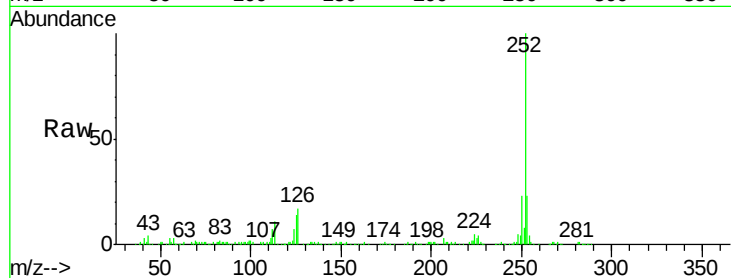
Tgt Ion:252 Resp: 194545

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

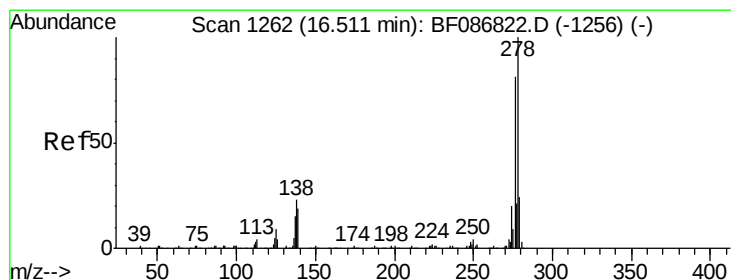
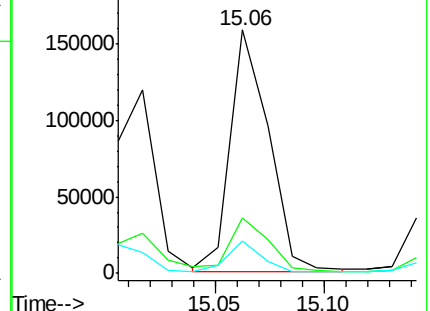
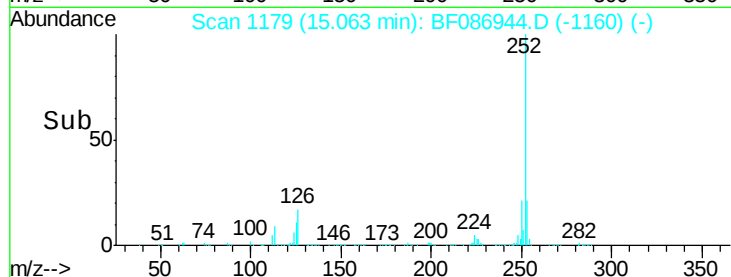
125 13.5 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.13 ng

RT: 16.38 min Scan# 1294

Delta R.T. -0.13 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

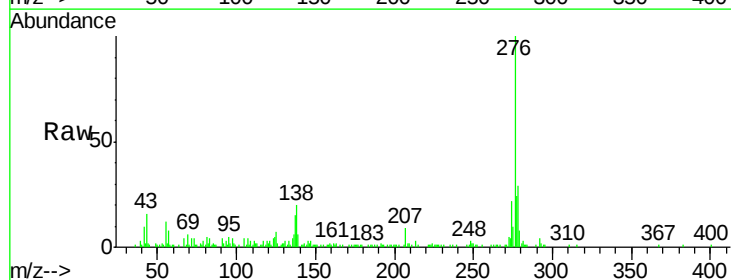
Tgt Ion:278 Resp: 37245

Ion Ratio Lower Upper

278 100

139 20.0 16.6 24.8

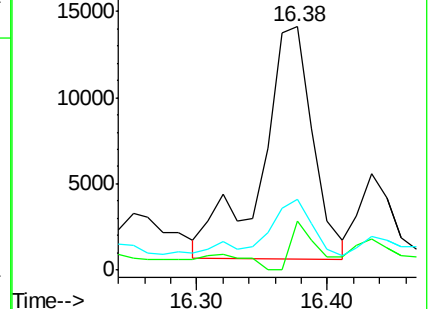
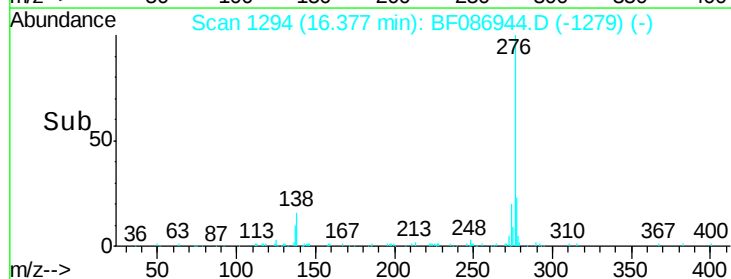
279 29.2 19.6 29.4

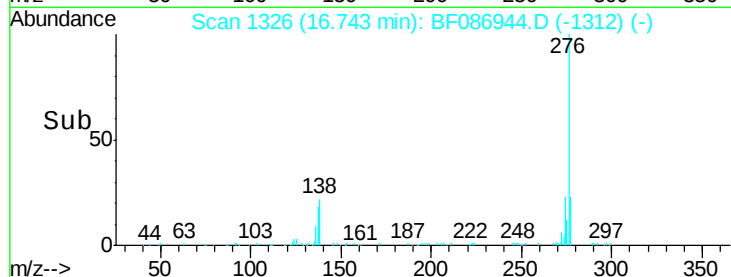
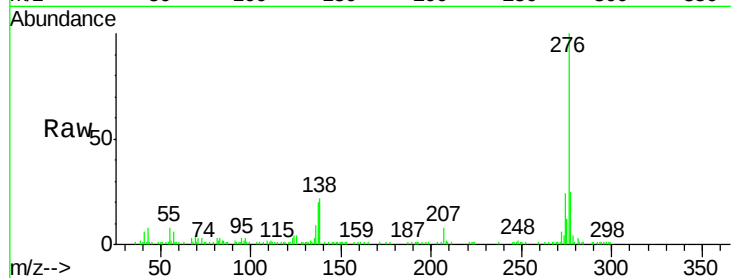
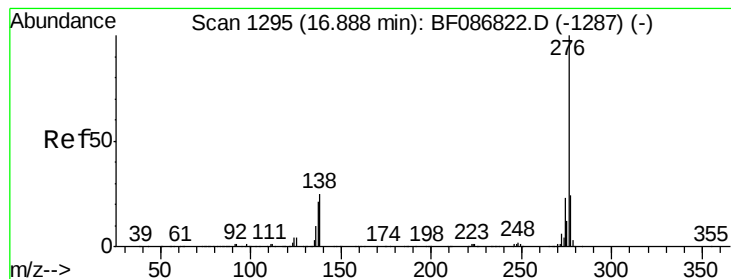


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 6.85 ng

RT: 16.74 min Scan# 1326

Delta R.T. -0.15 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

SS-02

Tgt Ion: 276 Resp: 121430

Ion Ratio Lower Upper

276 100

277 24.7 19.6 29.4

138 22.4 23.6 35.4#

