

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088010.D
 Acq On : 14 Jun 2016 20:58
 Operator : UM/SJ
 Sample : H3426-05RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-51RE

Quant Time: Jun 15 03:57:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	120216	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	499035	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	219485	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	342118	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	264153	20.00	ng	-0.02
86) Perylene-d12	15.35	264	267106	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	341295	48.53	ng	-0.01
7) Phenol-d6	6.42	99	445366	52.26	ng	-0.01
23) Nitrobenzene-d5	7.35	82	265338	31.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	71429	30.82	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	396270	24.42	ng	-0.02
78) Terphenyl-d14	12.89	244	268055	23.09	ng	-0.01

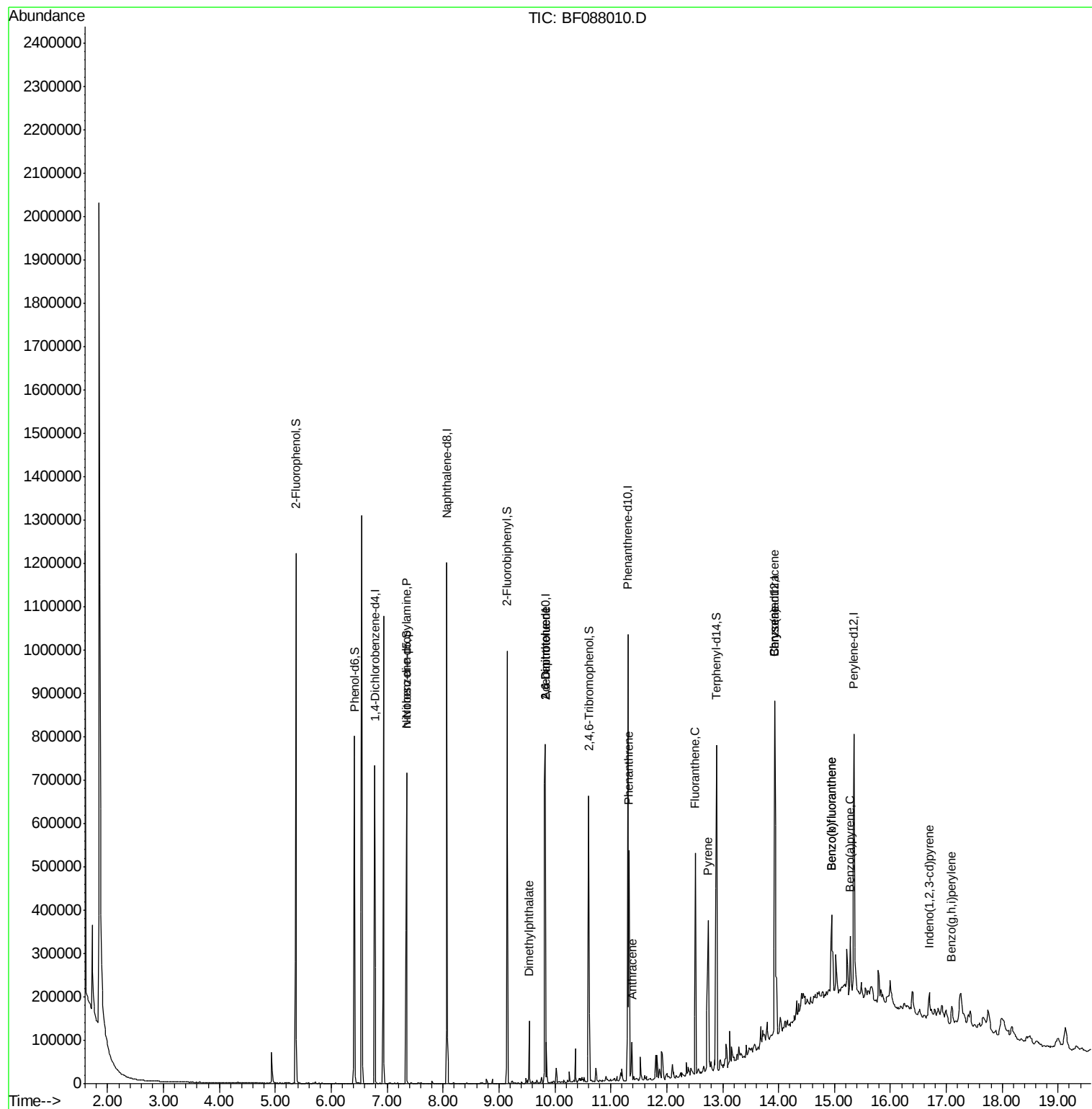
Target Compounds				Qvalue		
10) Phenol	6.43	94	3409	Below Cal		98
19) n-Nitroso-di-n-propylamine	7.35	70	32997	6.05 ng	#	69
45) 1,1'-Biphenyl	9.24	154	1469	Below Cal		88
49) Dimethylphthalate	9.54	163	53388	3.36 ng		99
50) 2,6-Dinitrotoluene	9.83	165	27965	7.68 ng	#	39
56) 2,4-Dinitrotoluene	9.83	165	27965	5.98 ng	#	37
57) Fluorene	10.36	166	19755	Below Cal		98
70) Phenanthrene	11.33	178	182083	10.14 ng		97
71) Anthracene	11.38	178	52533	2.90 ng		99
74) Fluoranthene	12.51	202	198670	10.49 ng		95
77) Pyrene	12.74	202	174400	8.90 ng		98
80) Benzo(a)anthracene	13.93	228	93403	6.20 ng		99
82) Chrysene	13.93	228	93403	6.60 ng		96
85) Indeno(1,2,3-cd)pyrene	16.70	276	35254	2.68 ng	#	100
87) Benzo(b)fluoranthene	14.95	252	131968	7.09 ng	#	92
88) Benzo(k)fluoranthene	14.95	252	131968	9.40 ng		97
89) Benzo(a)pyrene	15.28	252	71451	4.74 ng	#	93
91) Benzo(g,h,i)perylene	17.10	276	31791	2.21 ng		94

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

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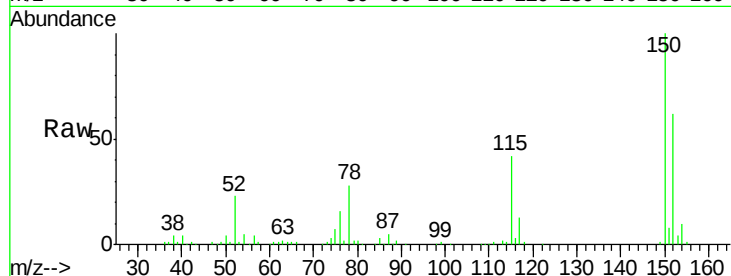


#1

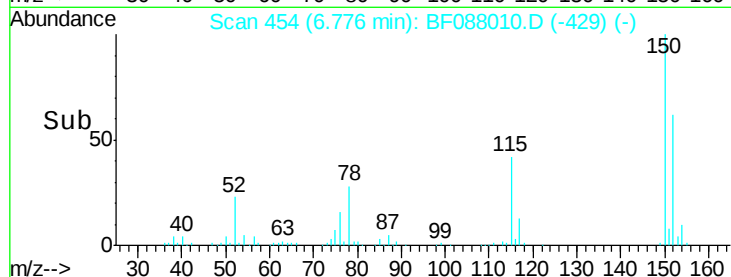
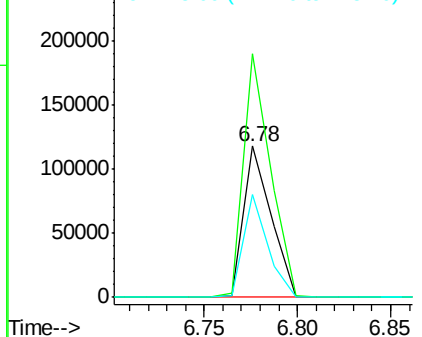
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Instrument :
BNA_F
ClientSampleId :
SS-51RE

Tgt Ion:152 Resp: 120216
Ion Ratio Lower Upper
152 100
150 161.3 123.8 185.6
115 68.4 39.6 59.4#



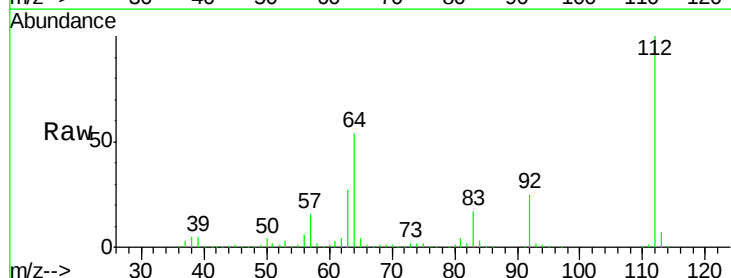
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



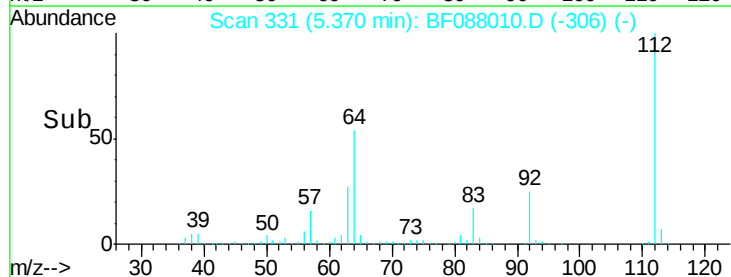
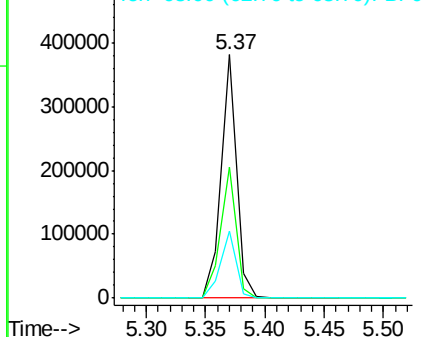
#5

2-Fluorophenol
Concen: 48.53 ng
RT: 5.37 min Scan# 331
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:112 Resp: 341295
Ion Ratio Lower Upper
112 100
64 53.9 42.2 63.2
63 27.3 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: 52.26 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088010.D

Acq: 14 Jun 2016 20:58

Instrument :

BNA_F

ClientSampleId :

SS-51RE

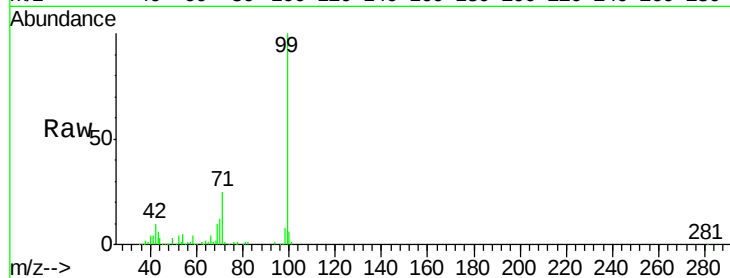
Tgt Ion: 99 Resp: 445366

Ion Ratio Lower Upper

99 100

42 10.5 12.2 18.2#

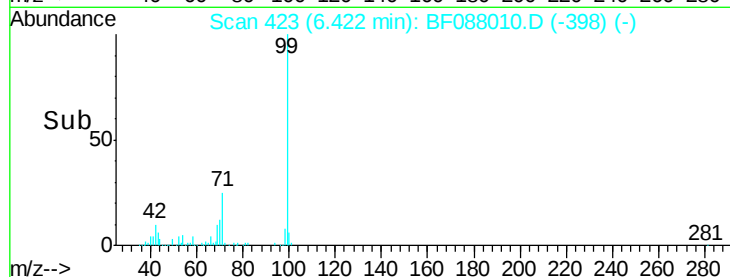
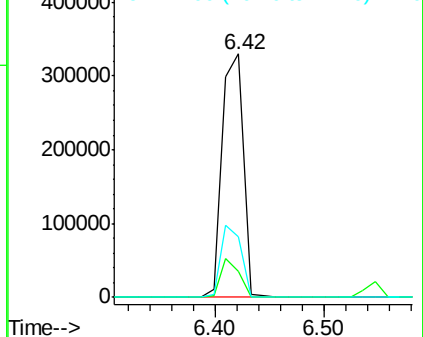
71 24.8 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088010.D

Acq: 14 Jun 2016 20:58

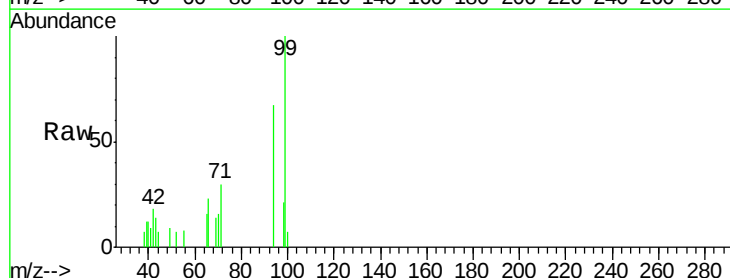
Tgt Ion: 94 Resp: 3409

Ion Ratio Lower Upper

94 100

65 24.4 5.9 45.9

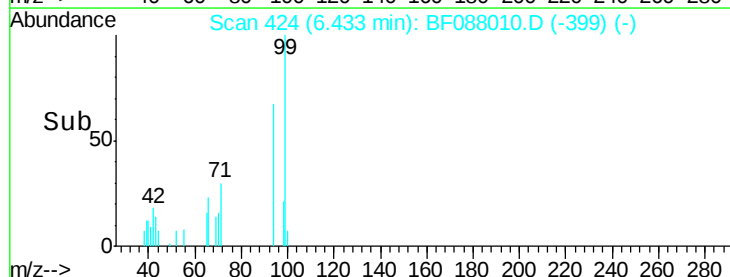
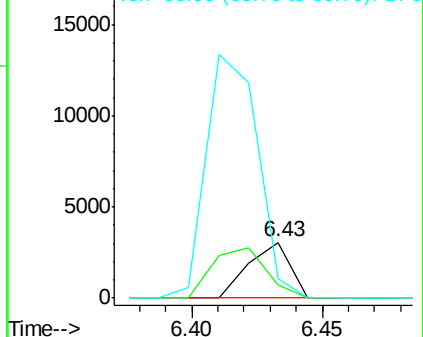
66 34.4 14.0 54.0

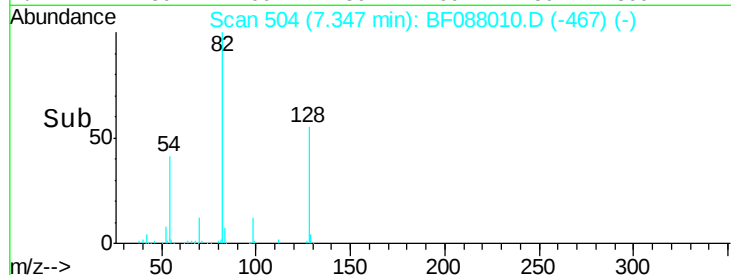
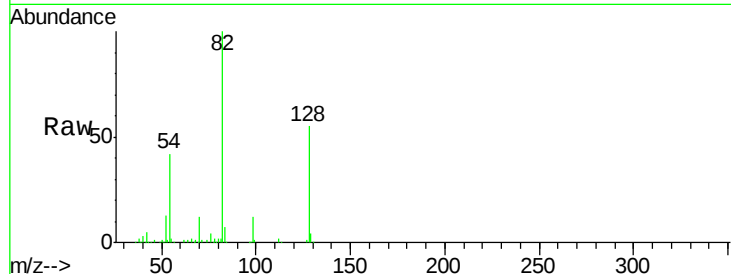


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

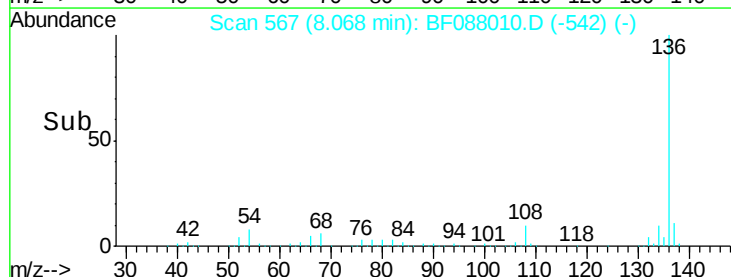
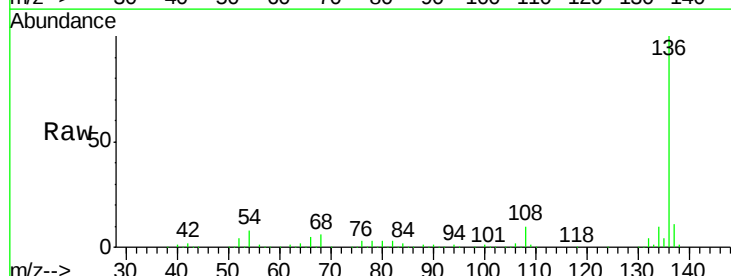
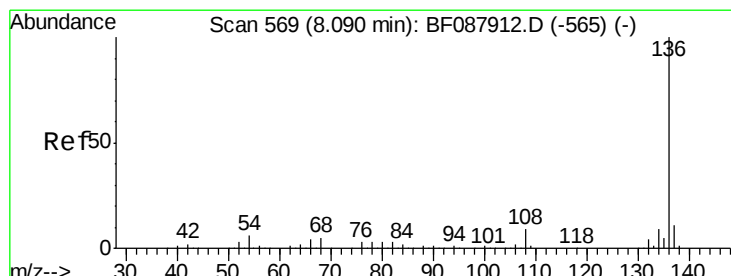
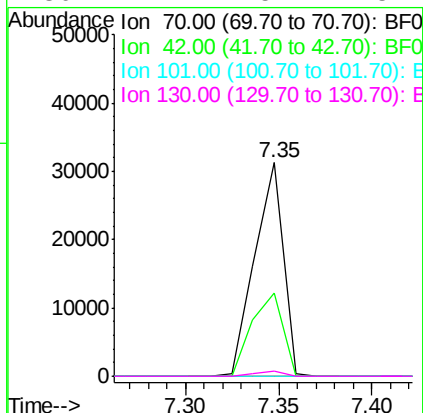




#19
n-Nitroso-di-n-propylamine
Concen: 6.05 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.13 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

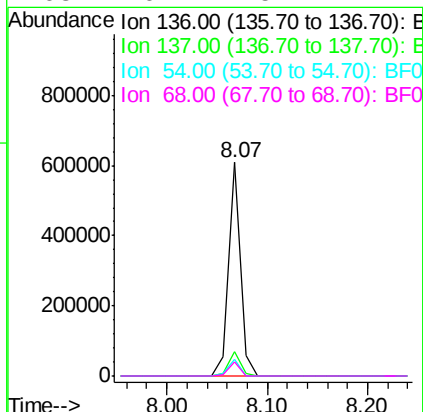
Instrument :
BNA_F
ClientSampleId :
SS-51RE

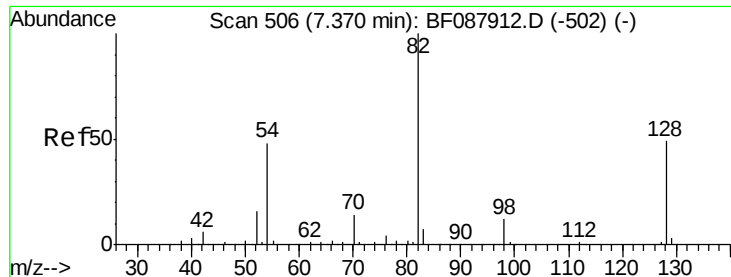
Tgt Ion:	70	Resp:	32997
Ion	Ratio	Lower	Upper
70	100		
42	38.8	49.6	74.4#
101	0.0	7.1	10.7#
130	2.4	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:	136	Resp:	499035
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.5	6.6	10.0
68	6.4	5.1	7.7

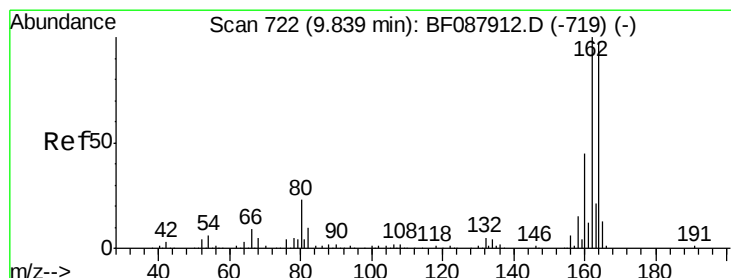
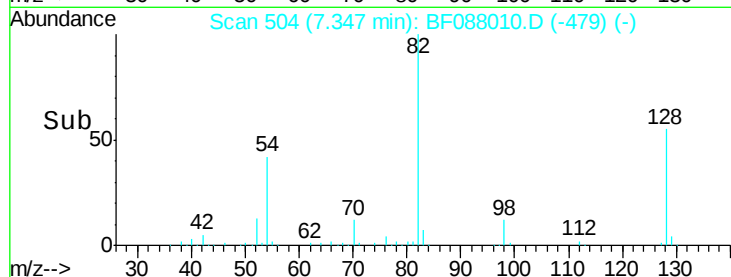
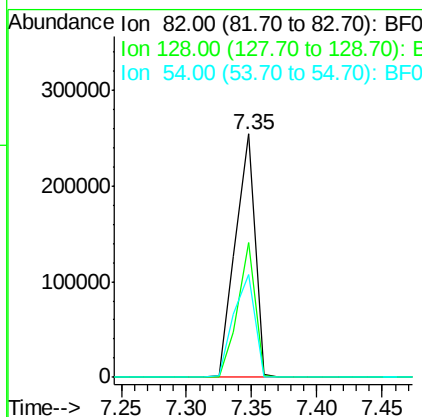
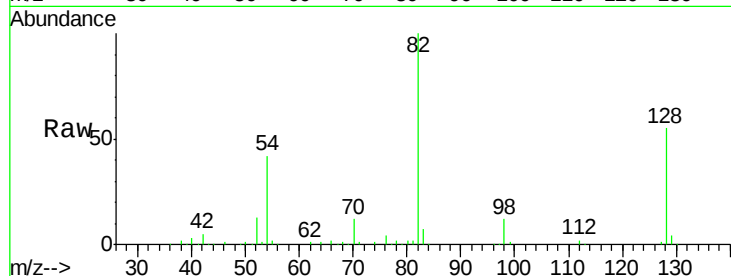




#23
 Nitrobenzene-d5
 Concen: 31.05 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF088010.D
 Acq: 14 Jun 2016 20:58

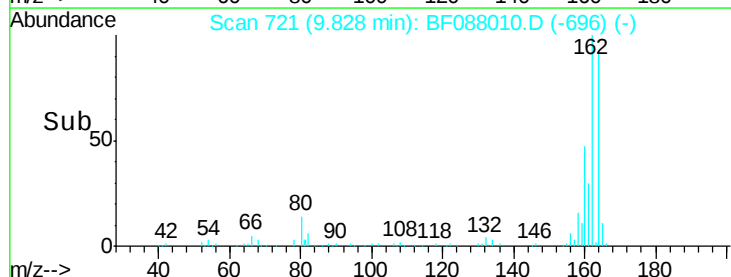
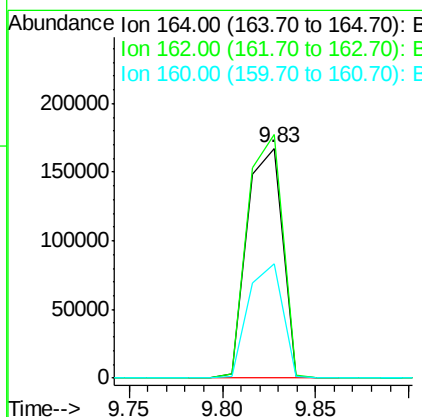
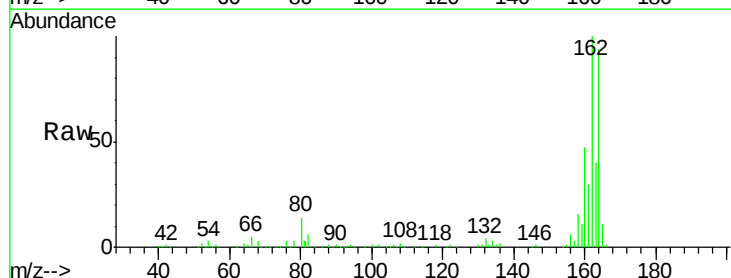
Instrument :
 BNA_F
 ClientSampleId :
 SS-51RE

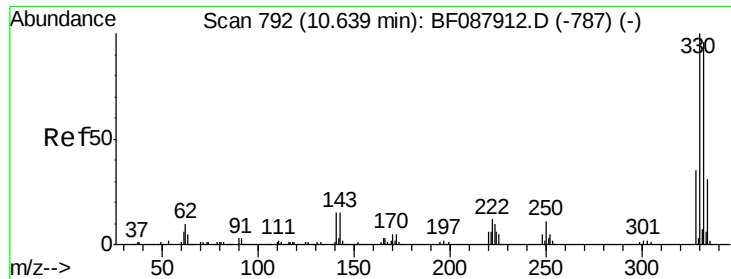
Tgt Ion: 82 Resp: 265338
 Ion Ratio Lower Upper
 82 100
 128 55.2 35.9 53.9#
 54 42.1 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BF088010.D
 Acq: 14 Jun 2016 20:58

Tgt Ion: 164 Resp: 219485
 Ion Ratio Lower Upper
 164 100
 162 105.9 85.4 128.2
 160 50.0 39.5 59.3

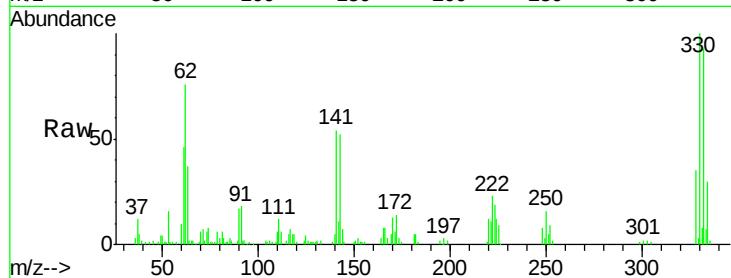




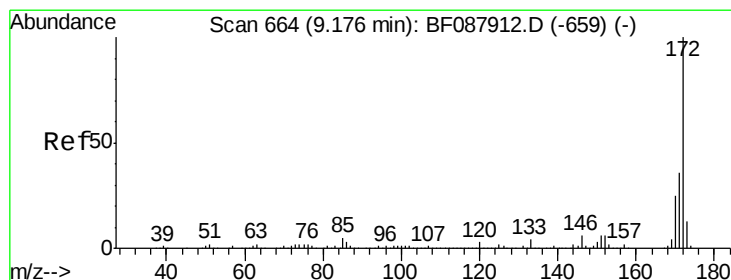
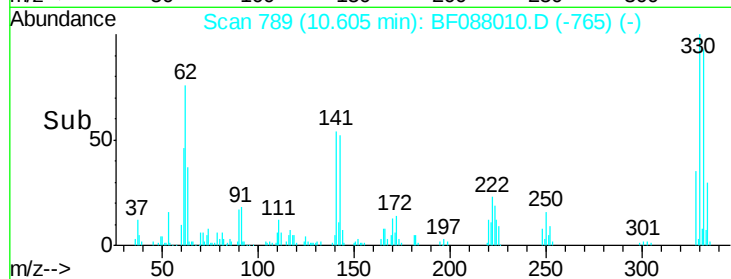
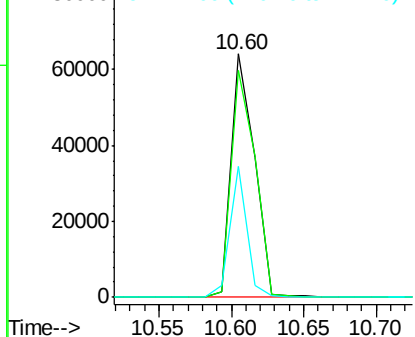
#41
 2,4,6-Tribromophenol
 Concen: 30.82 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.02 min
 Lab File: BF088010.D
 Acq: 14 Jun 2016 20:58

Instrument :
 BNA_F
 ClientSampleId :
 SS-51RE

Tgt Ion:330 Resp: 71429
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 39.7 0.0 0.0#

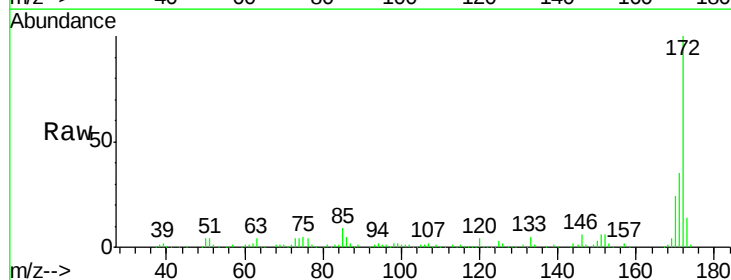


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

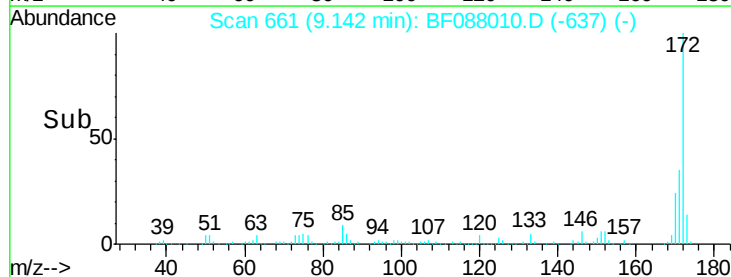
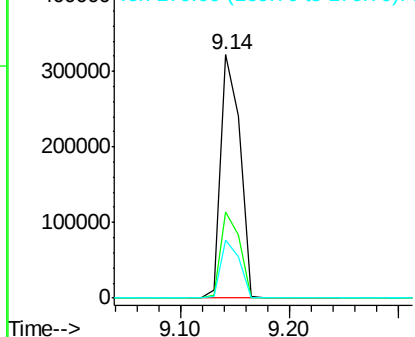


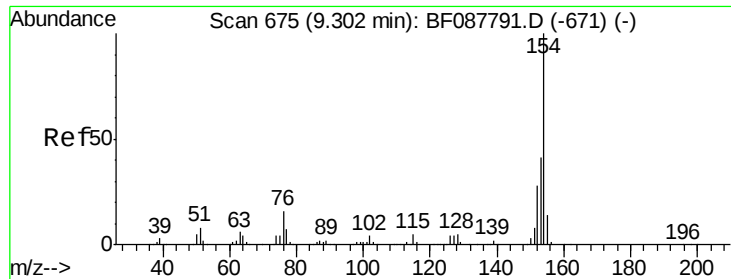
#44
 2-Fluorobiphenyl
 Concen: 24.42 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.02 min
 Lab File: BF088010.D
 Acq: 14 Jun 2016 20:58

Tgt Ion:172 Resp: 396270
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.6 19.2 28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

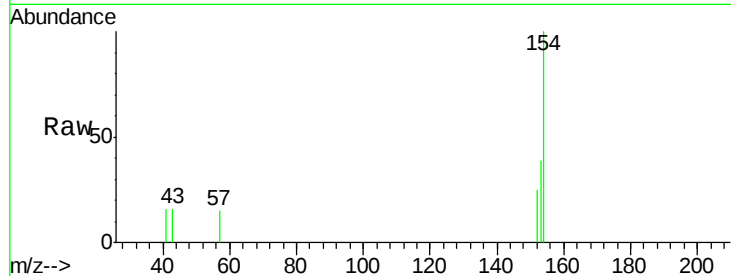




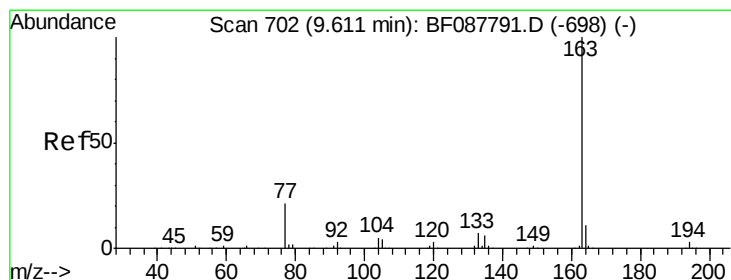
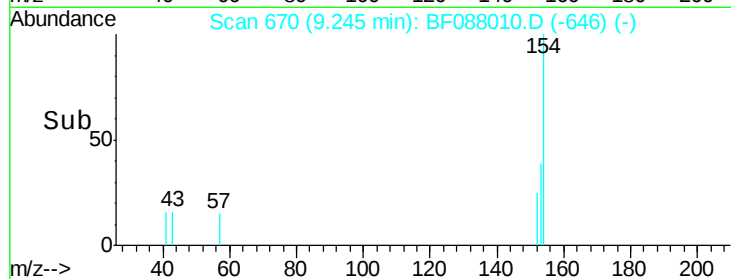
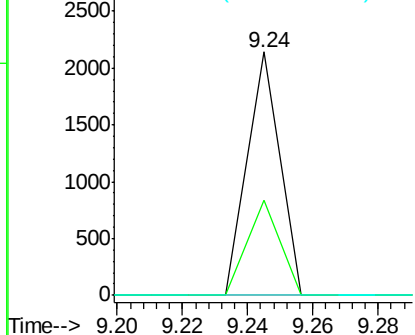
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Instrument :
BNA_F
ClientSampleId :
SS-51RE

Tgt Ion:154 Resp: 1469
Ion Ratio Lower Upper
154 100
153 38.8 20.6 60.6
76 0.0 0.0 35.1

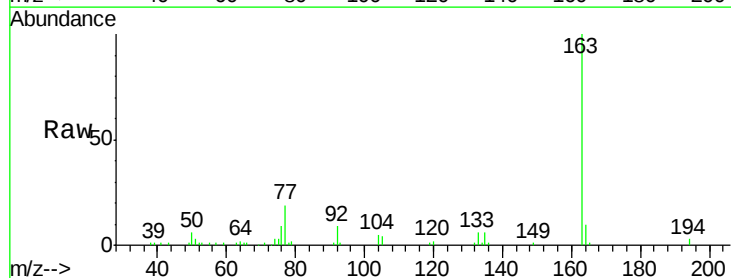


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

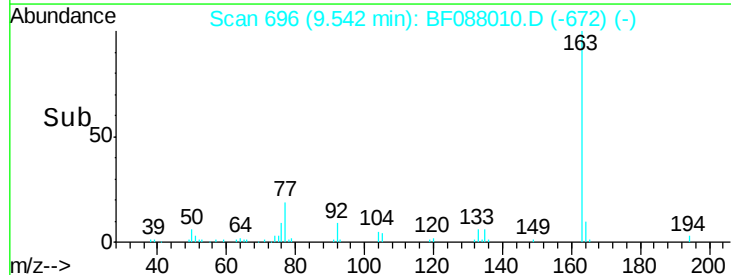
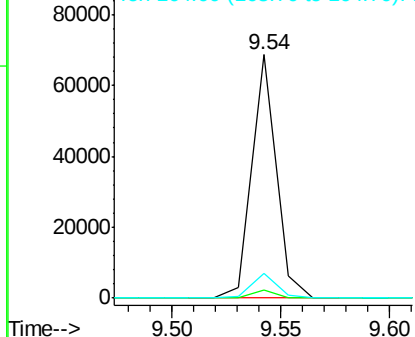


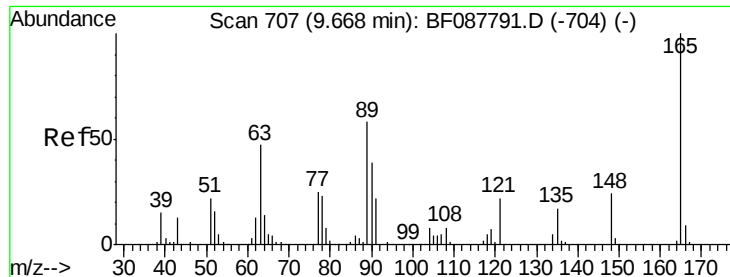
#49
Dimethylphthalate
Concen: 3.36 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:163 Resp: 53388
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.0 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

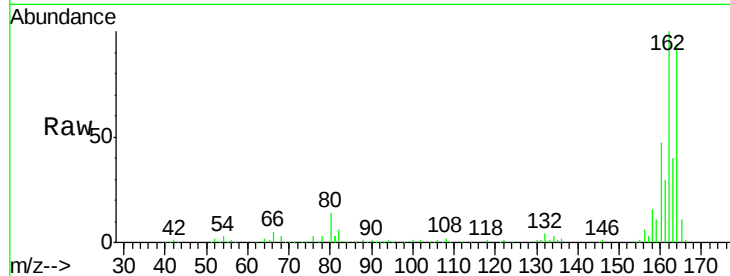




#50
 2,6-Dinitrotoluene
 Concen: 7.68 ng
 RT: 9.83 min Scan# 721
 Delta R.T. 0.21 min
 Lab File: BF088010.D
 Acq: 14 Jun 2016 20:58

Instrument :
 BNA_F
 ClientSampleID :
 SS-51RE

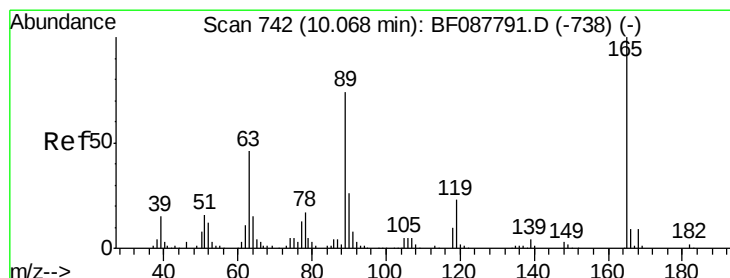
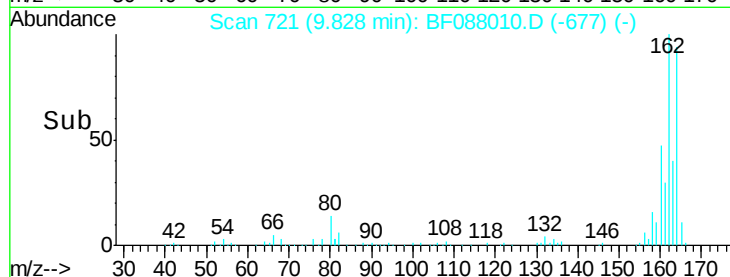
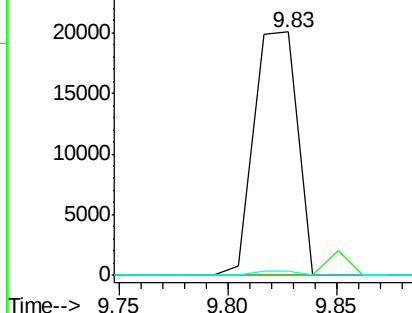
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	2.0	32.2	48.2#



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: 5.98 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.21 min
 Lab File: BF088010.D
 Acq: 14 Jun 2016 20:58

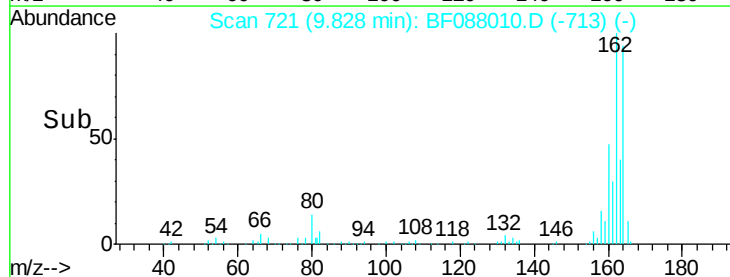
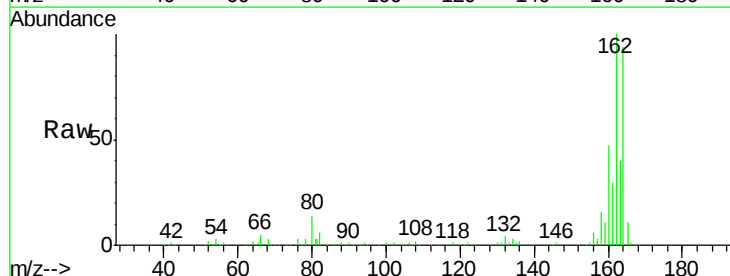
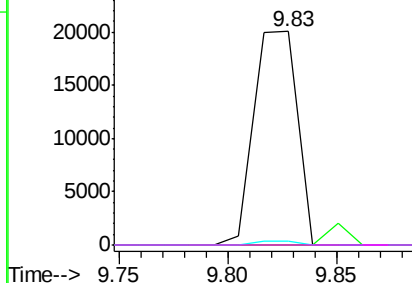
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	2.0	41.1	61.7#
182	0.0	2.0	3.0#

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

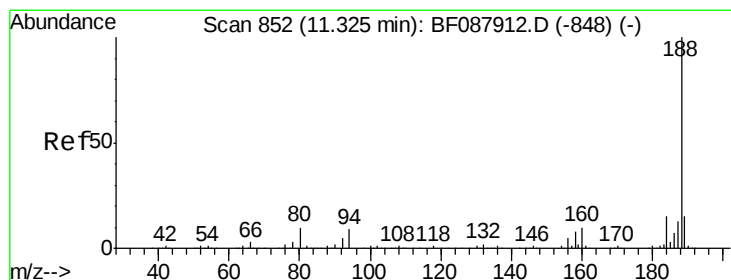
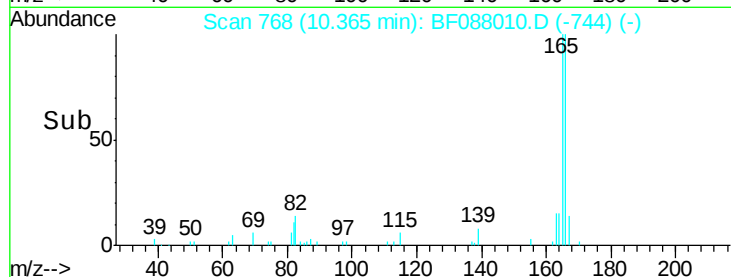
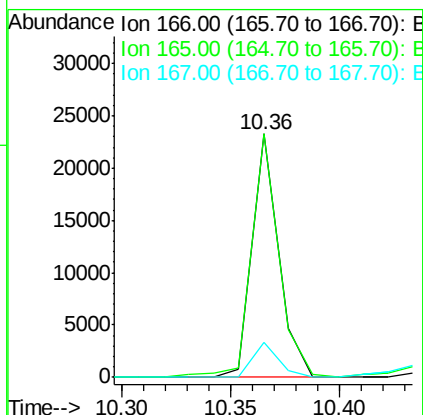
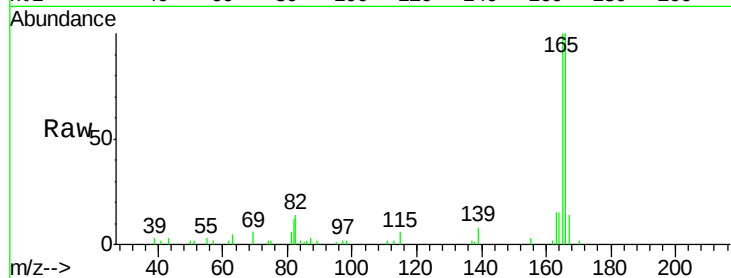




#57
 Fluorene
 Concen: Below Cal
 RT: 10.36 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BF088010.D
 Acq: 14 Jun 2016 20:58

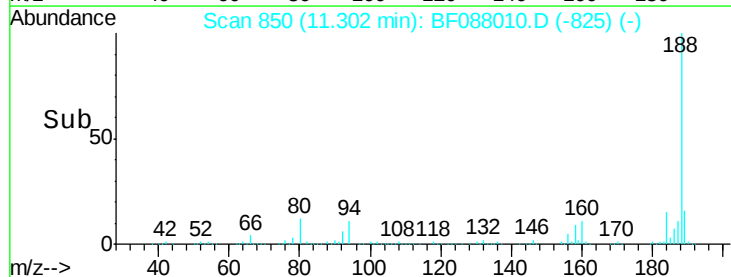
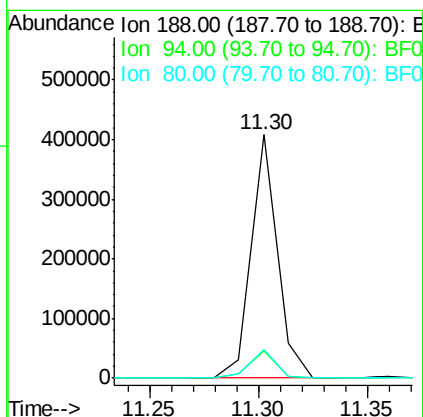
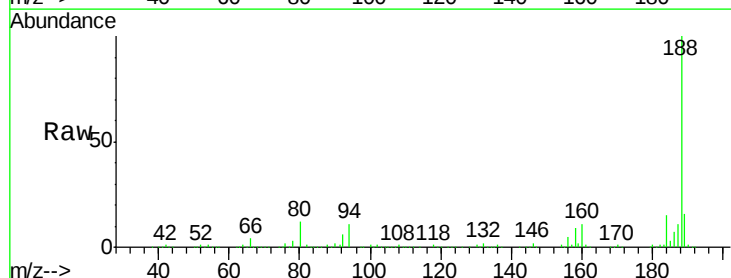
Instrument :
 BNA_F
 ClientSampleId :
 SS-51RE

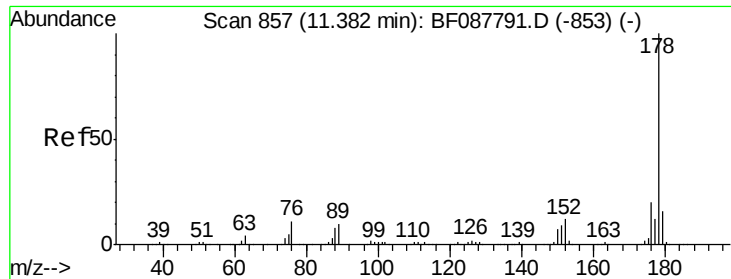
Tgt Ion:166 Resp: 19755
 Ion Ratio Lower Upper
 166 100
 165 99.9 77.8 116.8
 167 14.5 11.2 16.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: BF088010.D
 Acq: 14 Jun 2016 20:58

Tgt Ion:188 Resp: 342118
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.0 13.6
 80 11.7 10.0 15.0

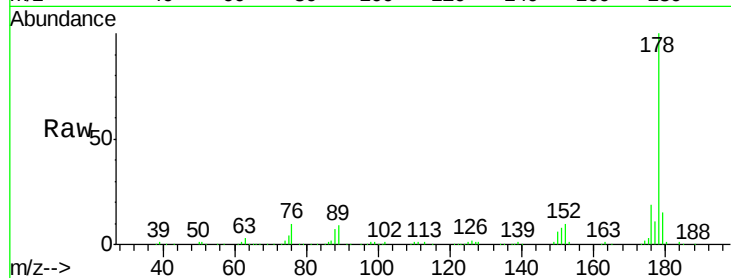




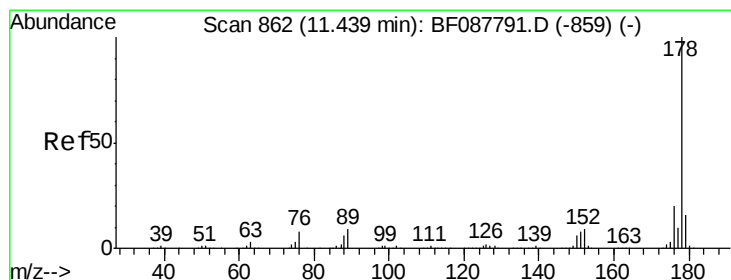
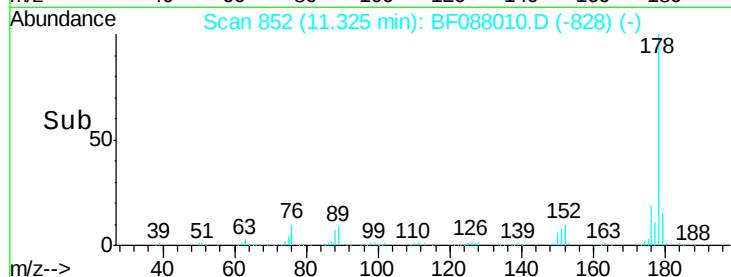
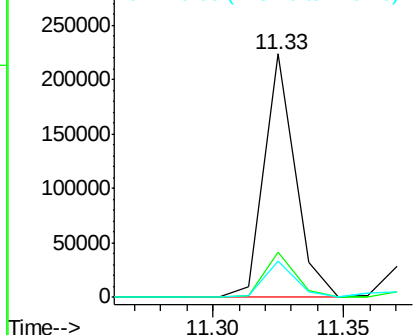
#70
Phenanthrene
Concen: 10.14 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Instrument :
BNA_F
ClientSampleId :
SS-51RE

Tgt Ion:178 Resp: 182083
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 15.0 13.0 19.4

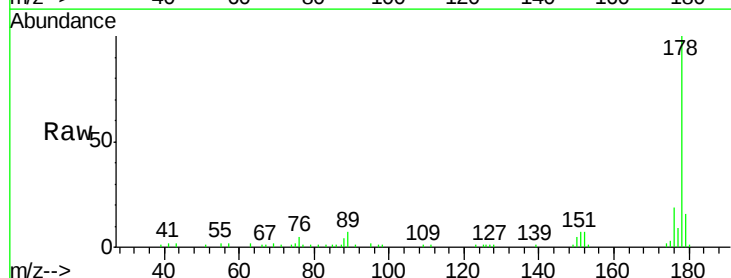


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

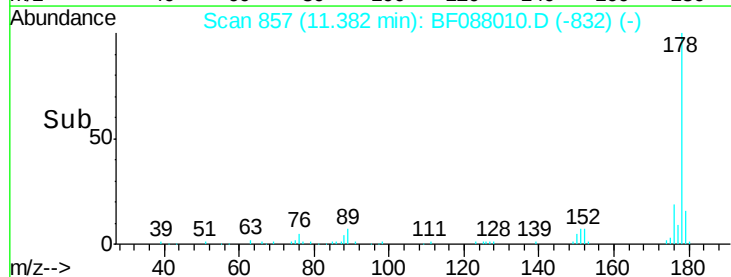
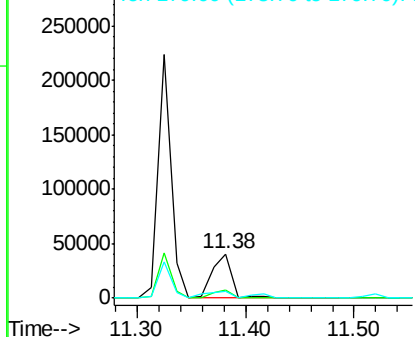


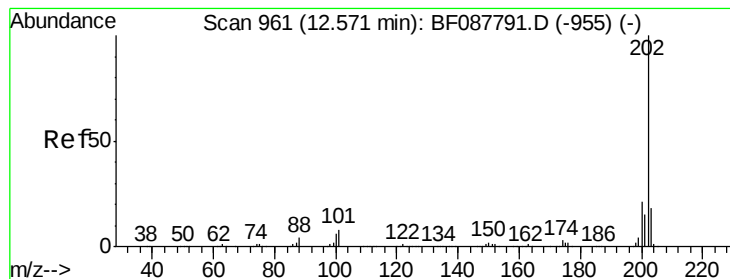
#71
Anthracene
Concen: 2.90 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion:178 Resp: 52533
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.7 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: 10.49 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF088010.D

Acq: 14 Jun 2016 20:58

Instrument :

BNA_F

ClientSampleId :

SS-51RE

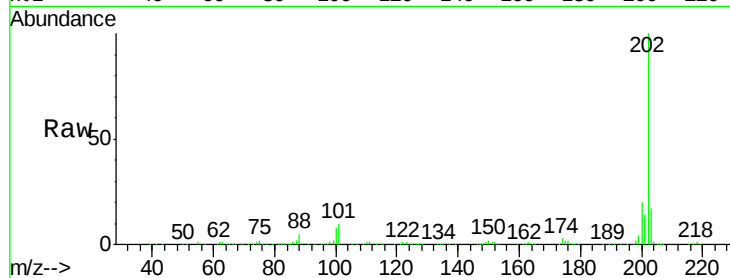
Tgt Ion: 202 Resp: 198670

Ion Ratio Lower Upper

202 100

101 10.1 0.0 33.1

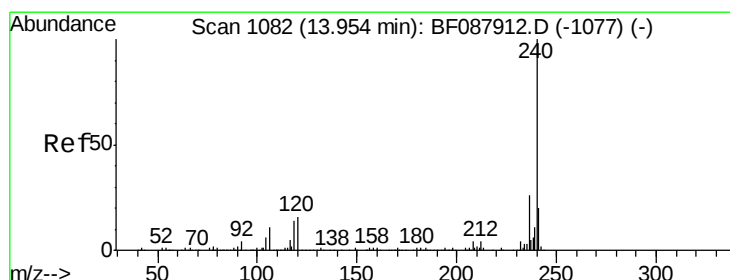
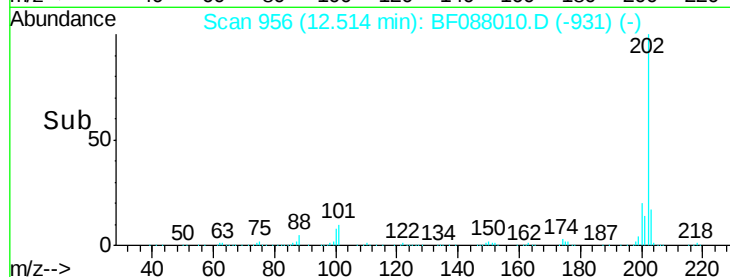
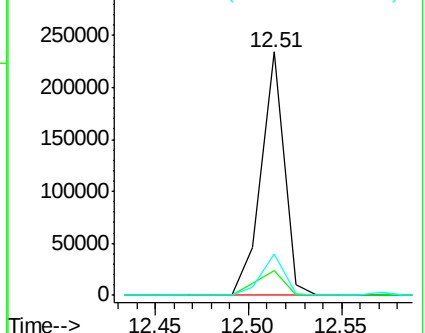
203 17.0 0.0 38.1



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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088010.D

Acq: 14 Jun 2016 20:58

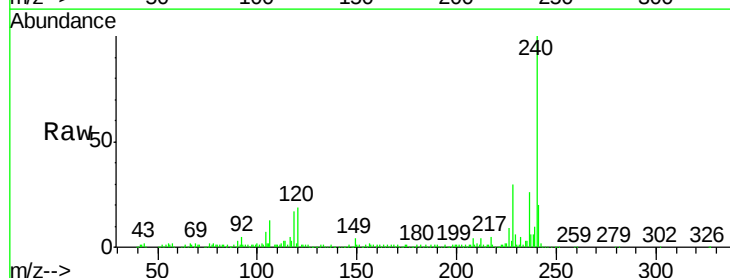
Tgt Ion: 240 Resp: 264153

Ion Ratio Lower Upper

240 100

120 18.7 6.8 10.2#

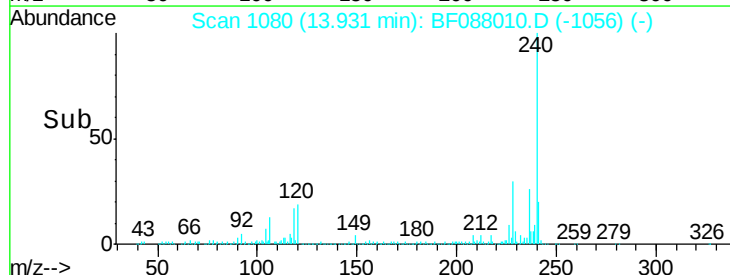
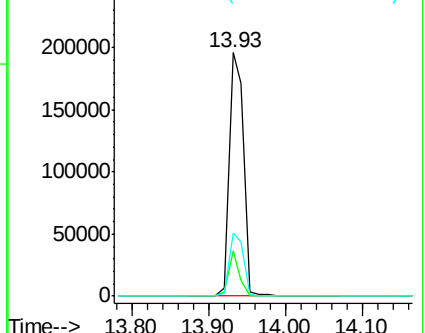
236 25.7 20.2 30.2

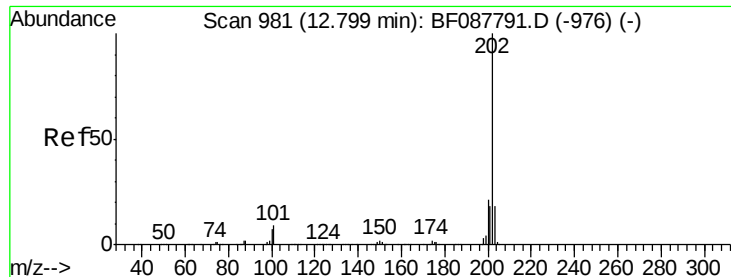


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

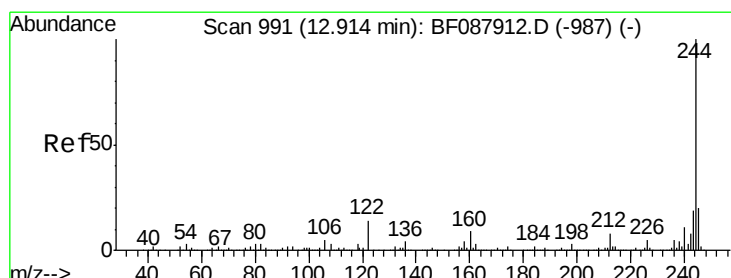
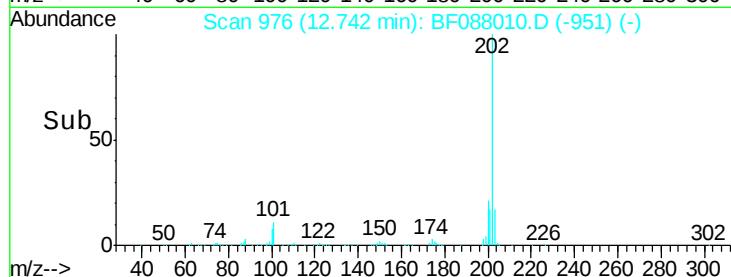
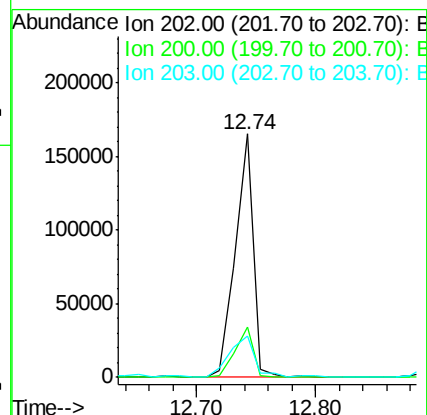
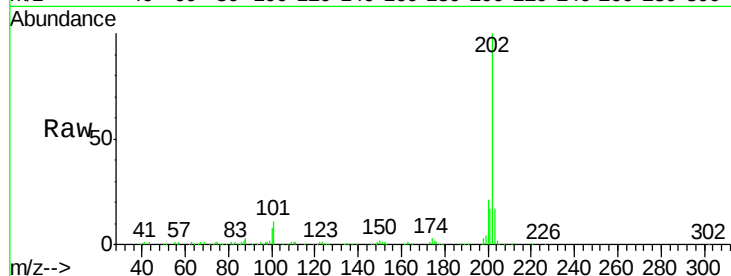




#77
 Pyrene
 Concen: 8.90 ng
 RT: 12.74 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BF088010.D
 Acq: 14 Jun 2016 20:58

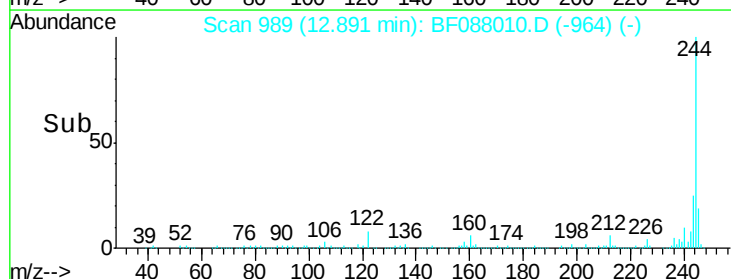
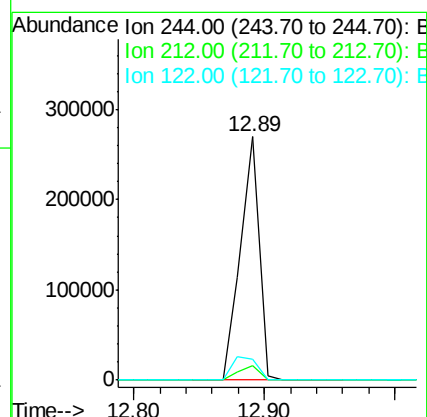
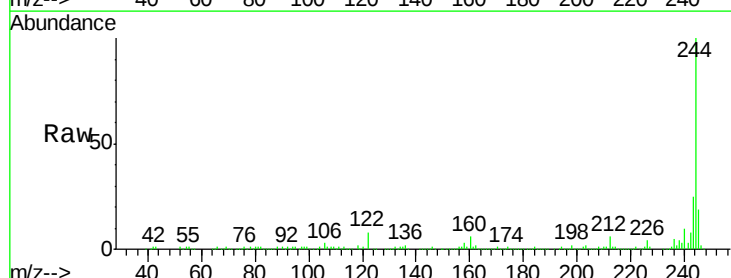
Instrument :
 BNA_F
 ClientSampleId :
 SS-51RE

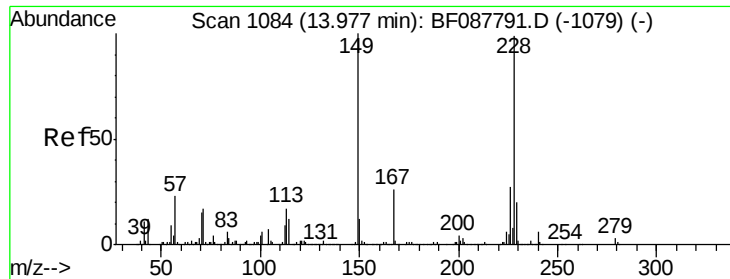
Tgt Ion: 202 Resp: 174400
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.4 26.2
 203 17.2 14.5 21.7



#78
 Terphenyl-d14
 Concen: 23.09 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF088010.D
 Acq: 14 Jun 2016 20:58

Tgt Ion: 244 Resp: 268055
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.0 9.0
 122 8.4 11.2 16.8#





#80

Benzo(a)anthracene

Concen: 6.20 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088010.D

Acq: 14 Jun 2016 20:58

Instrument :

BNA_F

ClientSampleId :

SS-51RE

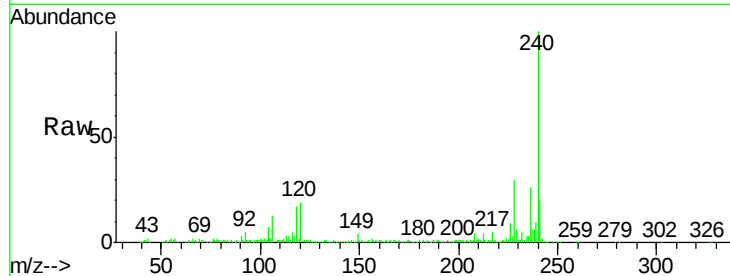
Tgt Ion:228 Resp: 93403

Ion Ratio Lower Upper

228 100

226 28.3 22.3 33.5

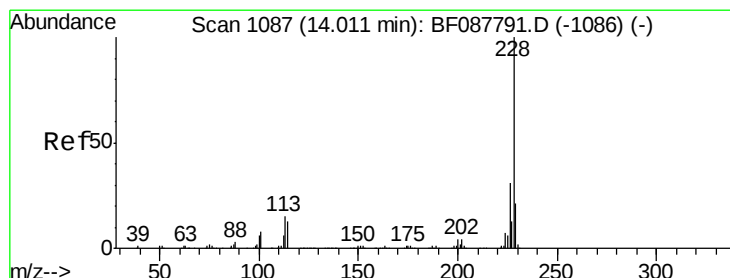
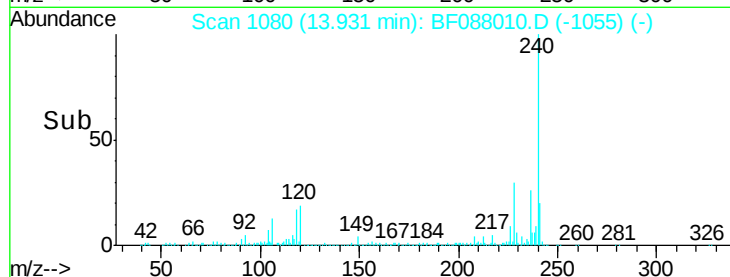
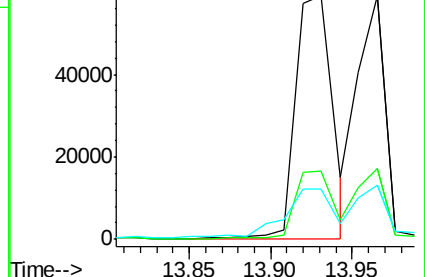
229 20.9 16.0 24.0



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: 6.60 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF088010.D

Acq: 14 Jun 2016 20:58

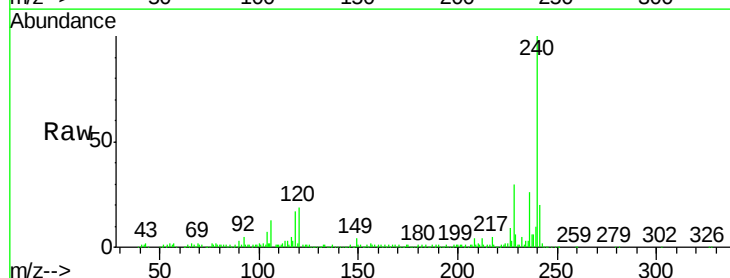
Tgt Ion:228 Resp: 93403

Ion Ratio Lower Upper

228 100

226 28.3 25.4 38.2

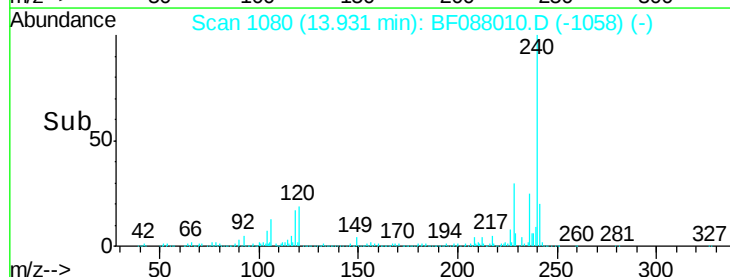
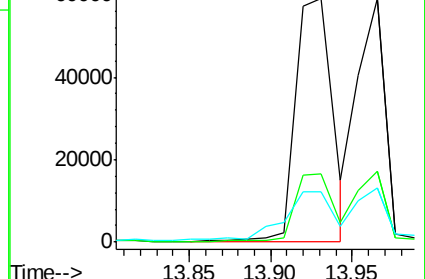
229 20.9 16.3 24.5

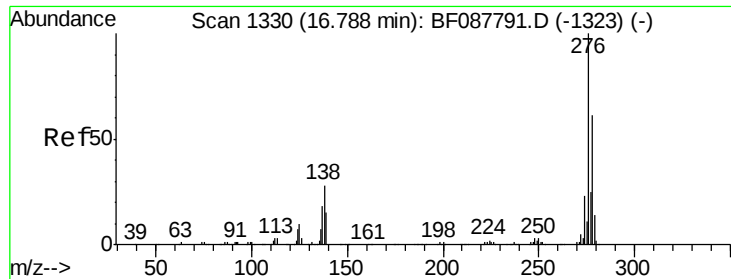


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

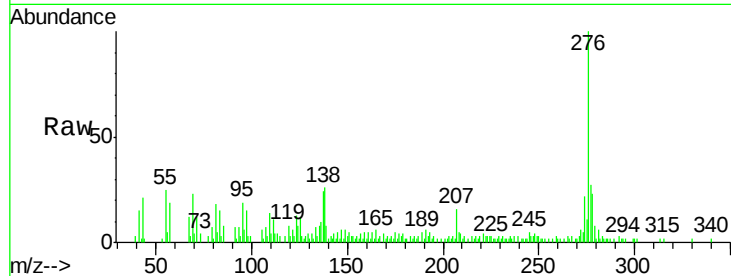




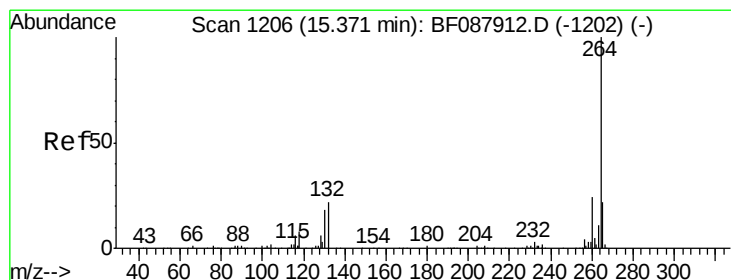
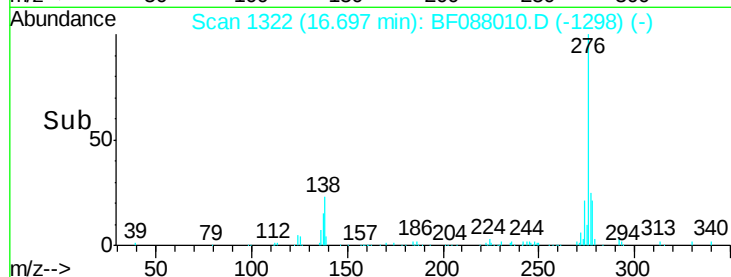
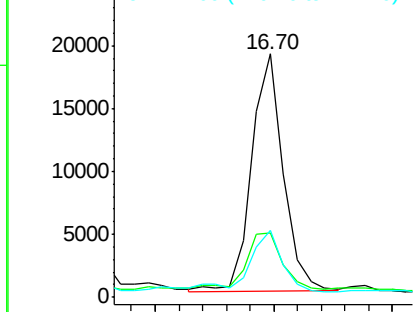
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.68 ng
RT: 16.70 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Instrument :
BNA_F
ClientSampleId :
SS-51RE

Tgt Ion: 276 Resp: 35254
Ion Ratio Lower Upper
276 100
138 28.3 0.0 0.0#
277 28.4 0.0 0.0#

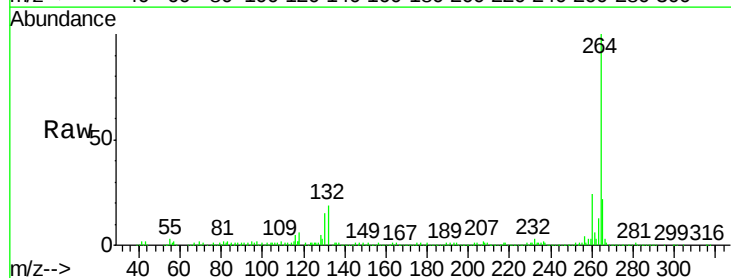


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

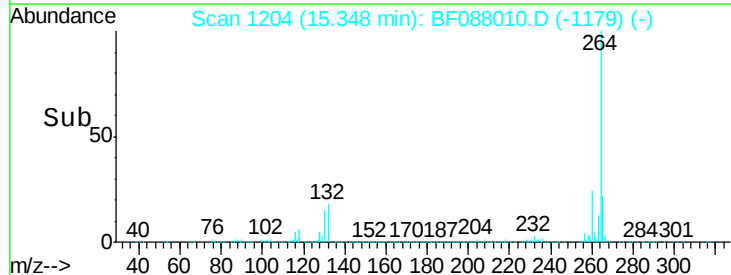
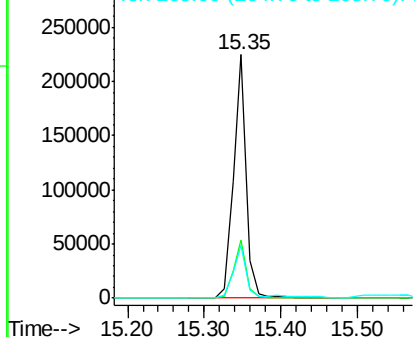


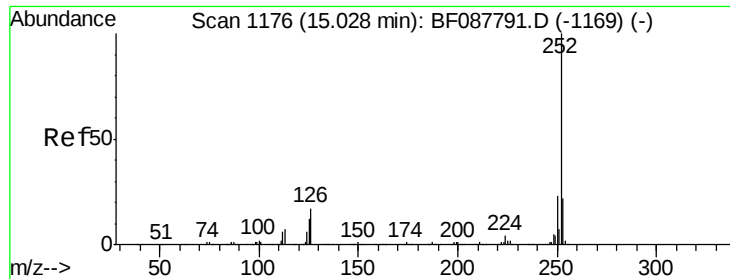
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion: 264 Resp: 267106
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.0 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

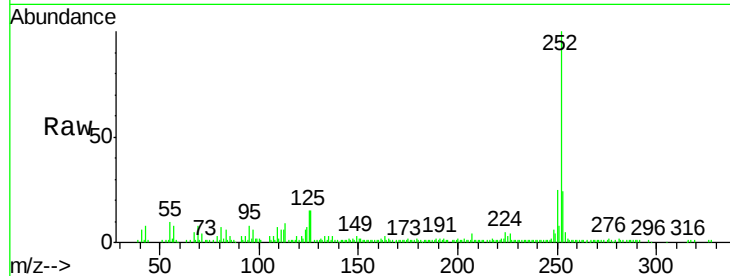




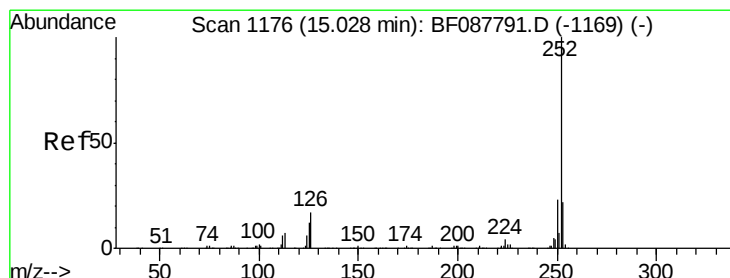
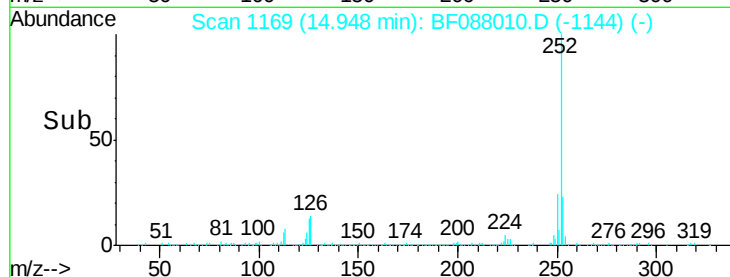
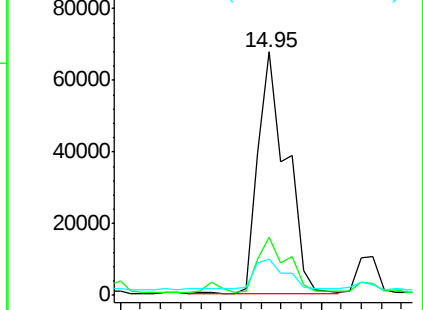
#87
Benzo(b)fluoranthene
Concen: 7.09 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Instrument :
BNA_F
ClientSampleId :
SS-51RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	15.0	7.1	10.7#

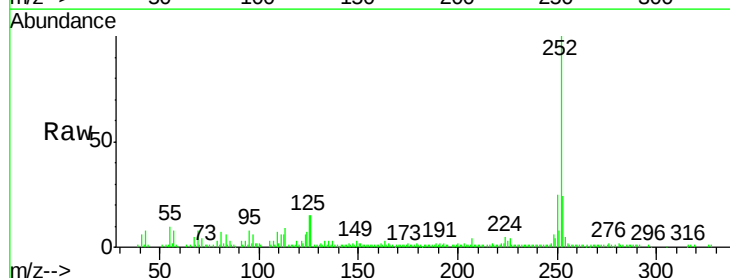


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

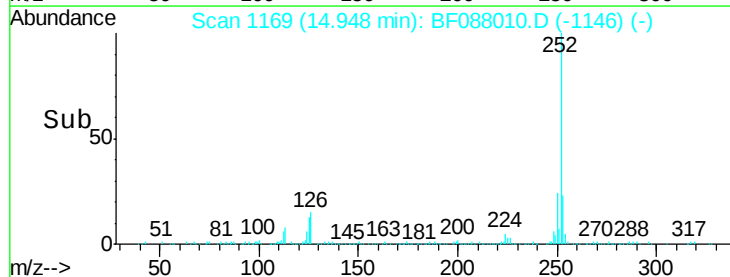
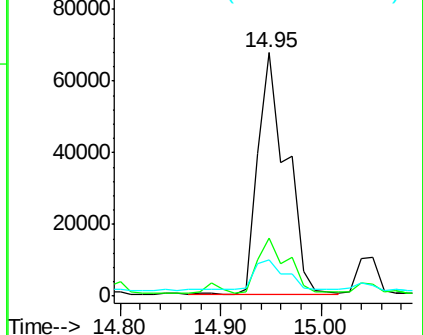


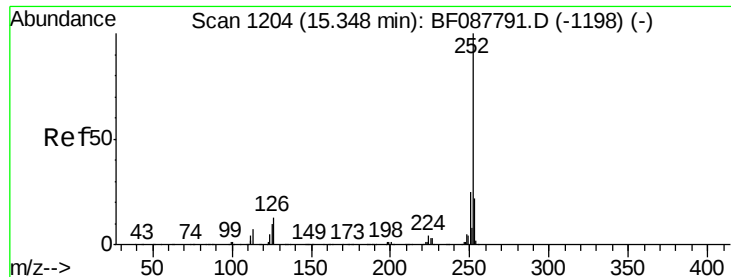
#88
Benzo(k)fluoranthene
Concen: 9.40 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088010.D
Acq: 14 Jun 2016 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	15.0	11.2	16.8



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: 4.74 ng

RT: 15.28 min Scan# 1198

Delta R.T. -0.02 min

Lab File: BF088010.D

Acq: 14 Jun 2016 20:58

Instrument :

BNA_F

ClientSampleId :

SS-51RE

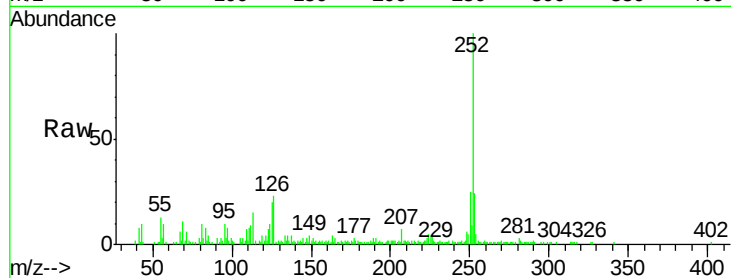
Tgt Ion:252 Resp: 71451

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

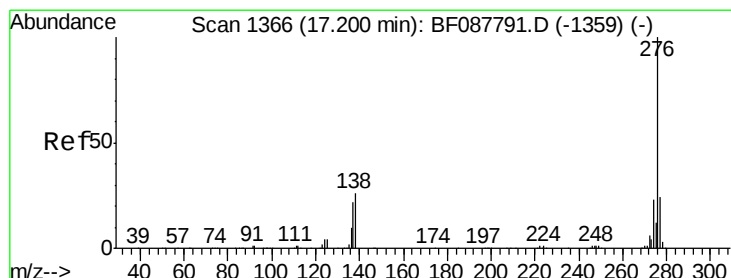
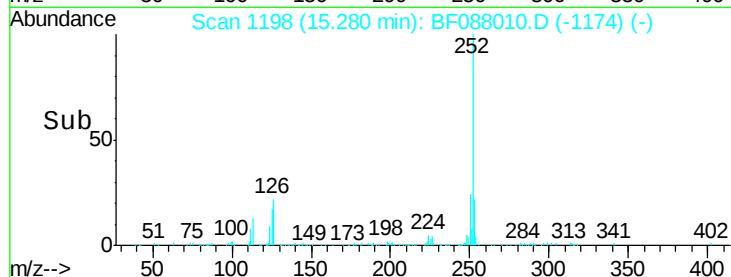
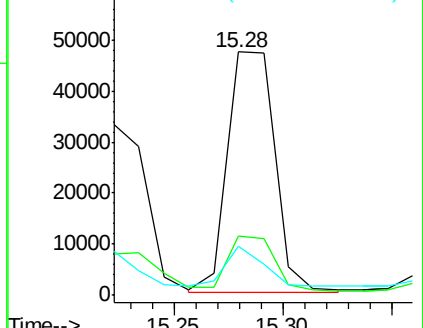
125 20.2 12.5 18.7#



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



#91

Benzo(g,h,i)perylene

Concen: 2.21 ng

RT: 17.10 min Scan# 1357

Delta R.T. -0.03 min

Lab File: BF088010.D

Acq: 14 Jun 2016 20:58

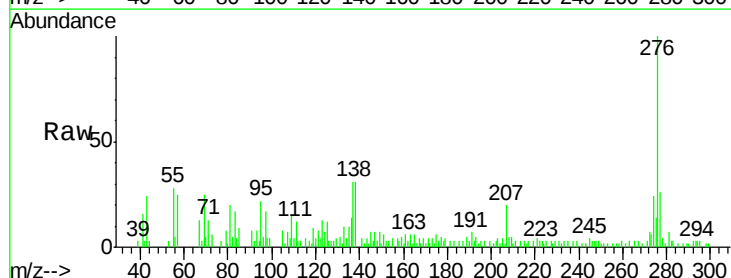
Tgt Ion:276 Resp: 31791

Ion Ratio Lower Upper

276 100

277 26.3 18.9 28.3

138 30.5 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

