

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081636.D
 Acq On : 15 Sep 2015 19:12
 Operator : UM/IZ
 Sample : G3619-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H1-H2-H3-H4-H5-COMP

Quant Time: Sep 16 00:55:43 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

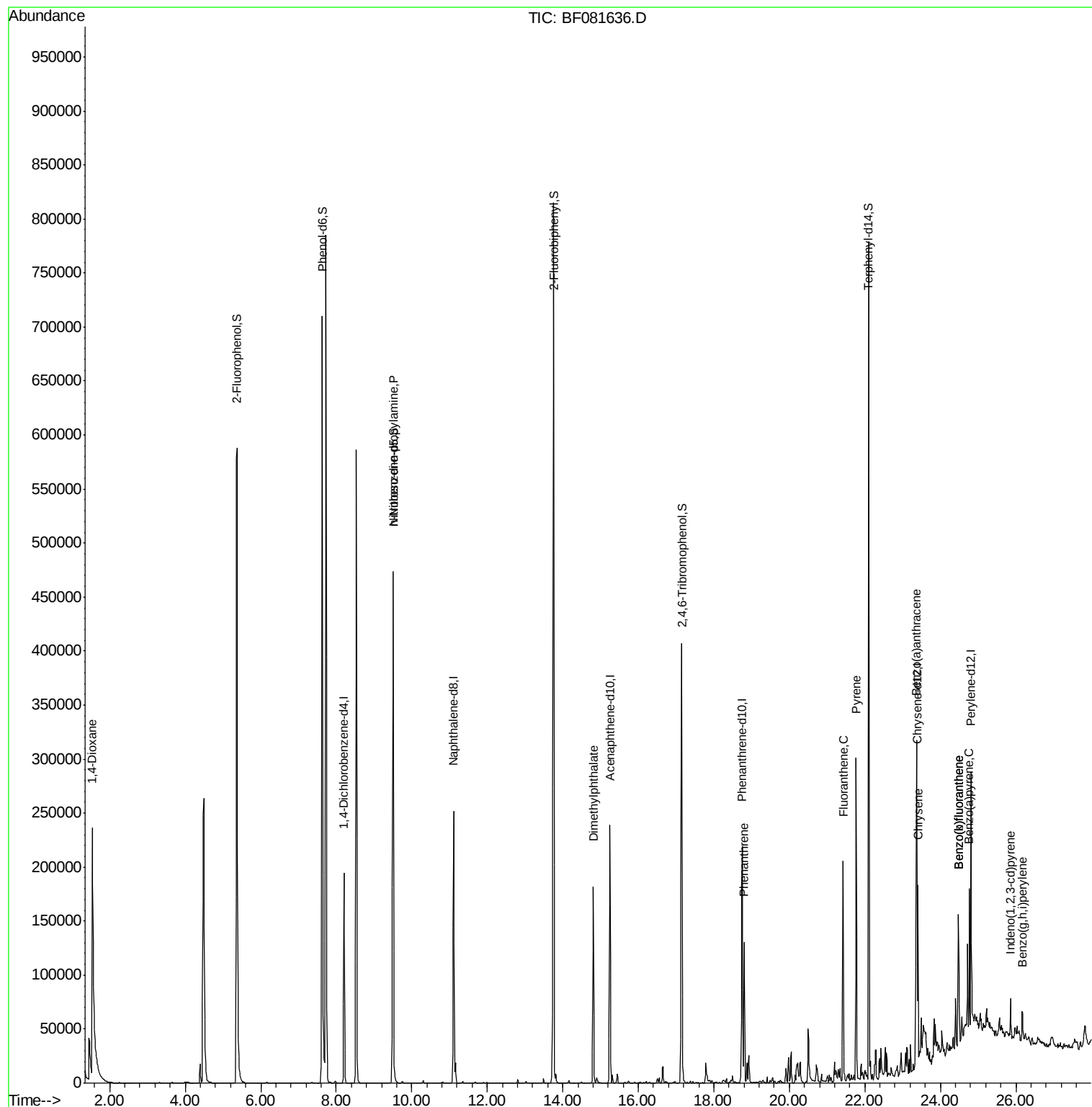
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	47760	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	189899	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	85299	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	159163	20.00	ng	0.00
75) Chrysene-d12	23.38	240	108979	20.00	ng	0.00
86) Perylene-d12	24.81	264	84761	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	294938	95.81	ng	0.02
7) Phenol-d6	7.63	99	418388	102.68	ng	-0.01
23) Nitrobenzene-d5	9.51	82	276551	70.26	ng	-0.02
41) 2,4,6-Tribromophenol	17.16	330	74749	98.42	ng	-0.01
44) 2-Fluorobiphenyl	13.76	172	463939	69.70	ng	-0.01
78) Terphenyl-d14	22.10	244	341841	73.02	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.54	88	13161	9.52	ng	# 11
19) n-Nitroso-di-n-propylamine	9.51	70	37003	13.34	ng	# 65
49) Dimethylphthalate	14.81	163	119586	18.04	ng	# 97
70) Phenanthrene	18.80	178	92426	10.45	ng	98
74) Fluoranthene	21.43	202	144122	15.05	ng	86
77) Pyrene	21.77	202	152900	18.94	ng	99
80) Benzo(a)anthracene	23.37	228	64529	9.30	ng	97
82) Chrysene	23.41	228	61400	9.87	ng	94
85) Indeno(1,2,3-cd)pyrene	25.86	276	22157	4.85	ng	# 79
87) Benzo(b)fluoranthene	24.48	252	79959	13.21	ng	# 86
88) Benzo(k)fluoranthene	24.48	252	79959	15.92	ng	# 87
89) Benzo(a)pyrene	24.77	252	48804	9.52	ng	# 83
91) Benzo(g,h,i)perylene	26.16	276	19949	5.28	ng	# 73

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 601

Delta R.T. -0.01 min

Lab File: BF081636.D

Acq: 15 Sep 2015 19:12

Instrument :

BNA_F

ClientSampleId :

H1-H2-H3-H4-H5-COMP

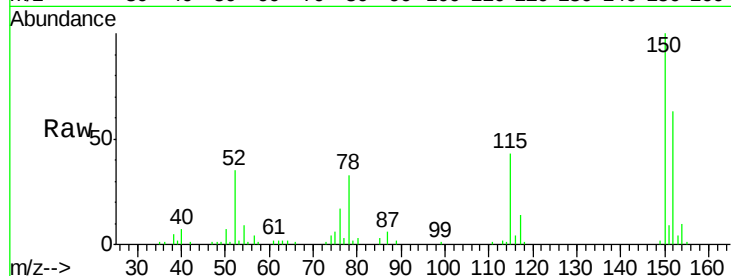
Tgt Ion:152 Resp: 47760

Ion Ratio Lower Upper

152 100

150 159.4 124.7 187.1

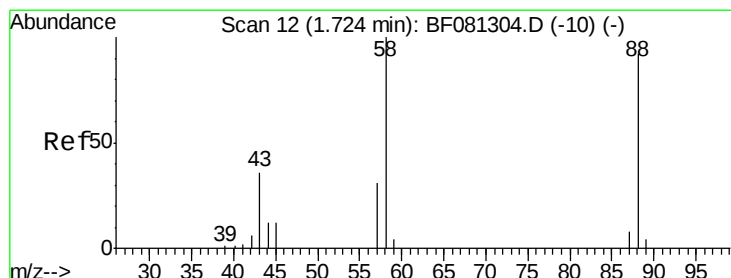
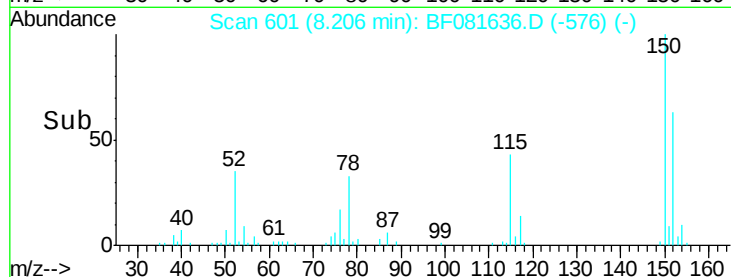
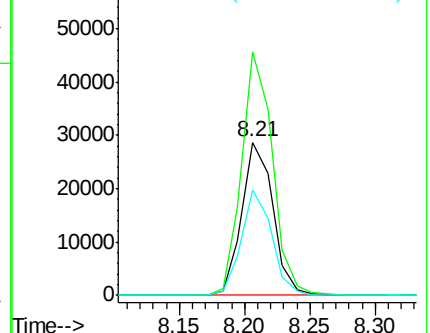
115 69.0 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 9.52 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081636.D

Acq: 15 Sep 2015 19:12

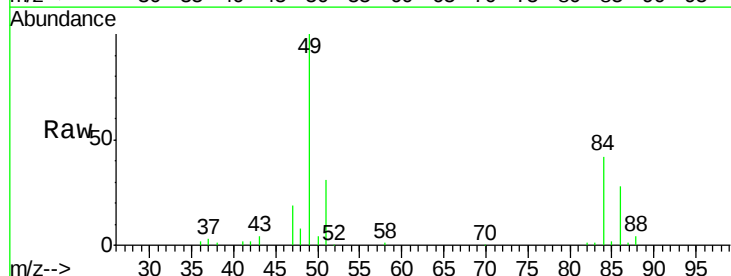
Tgt Ion: 88 Resp: 13161

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

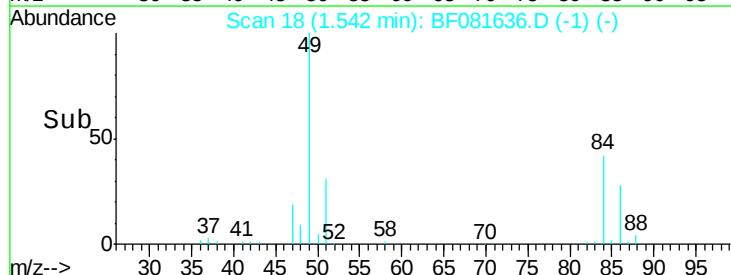
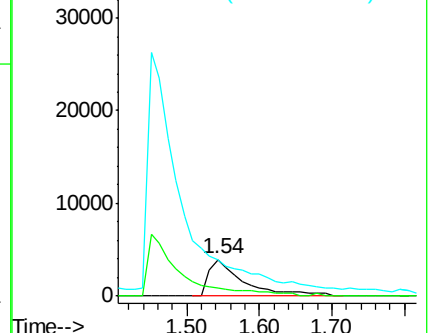
43 0.0 26.6 40.0#

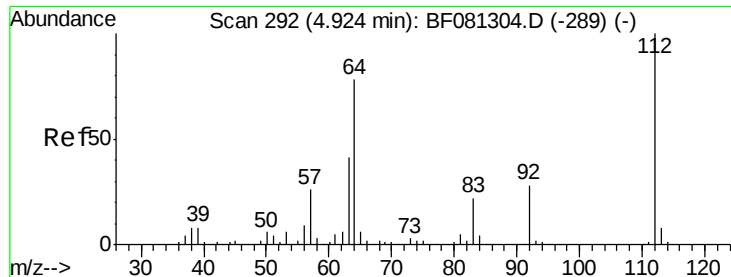


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

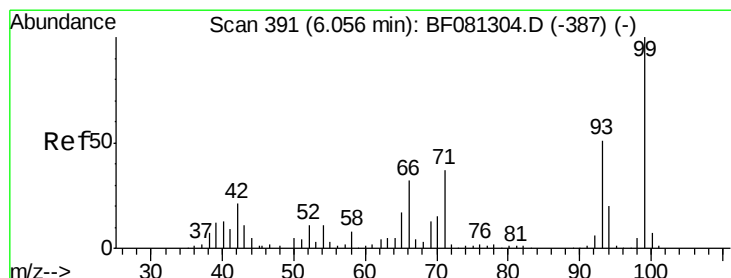
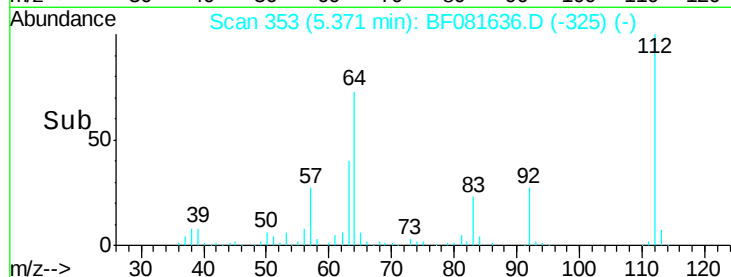
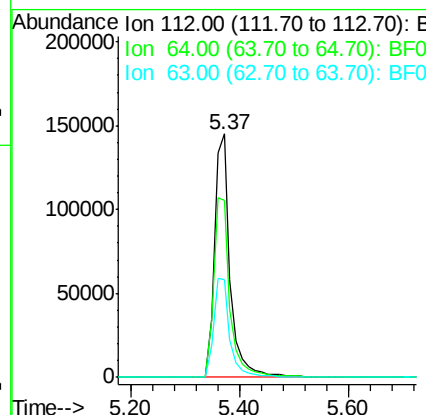
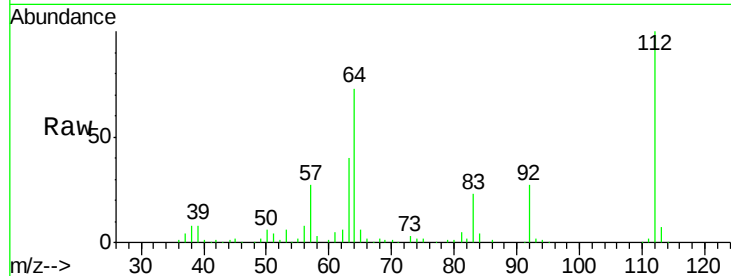




#5
 2-Fluorophenol
 Concen: 95.81 ng
 RT: 5.37 min Scan# 353
 Delta R.T. 0.02 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

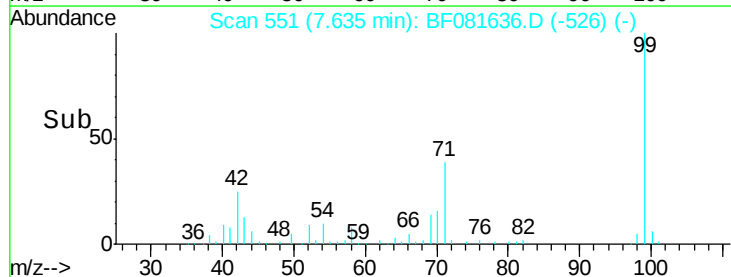
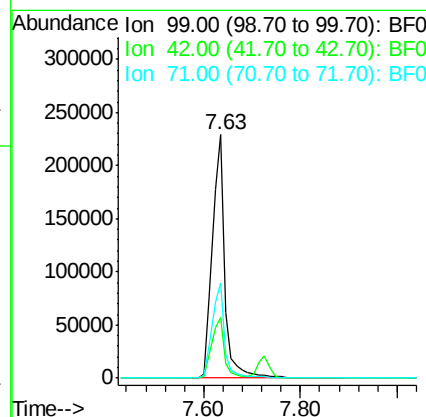
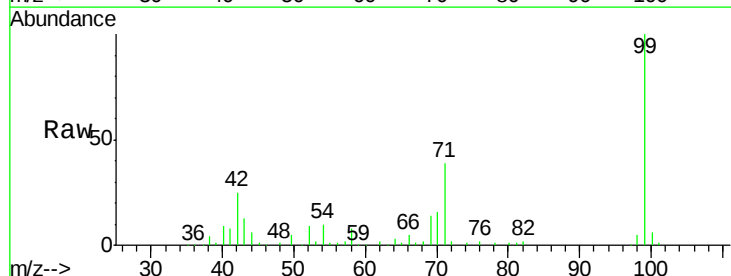
Instrument :
 BNA_F
 ClientSampleId :
 H1-H2-H3-H4-H5-COMP

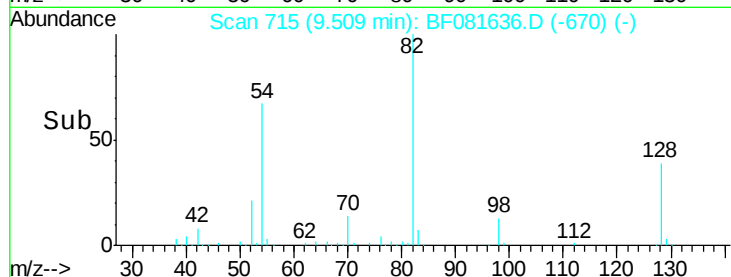
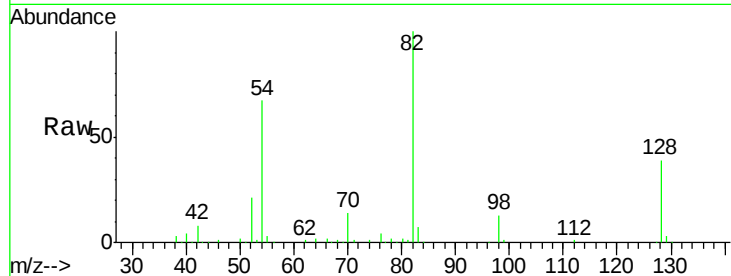
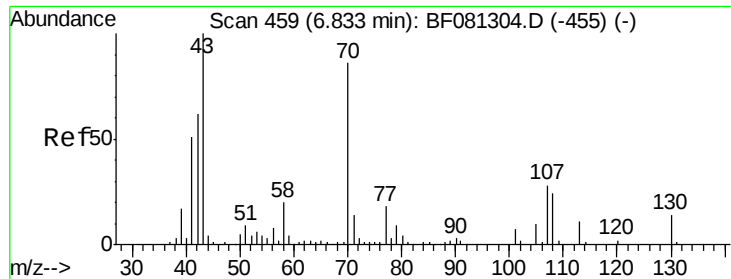
Tgt Ion: 112 Resp: 294938
 Ion Ratio Lower Upper
 112 100
 64 72.7 39.7 59.5#
 63 40.3 17.4 26.0#



#7
 Phenol-d6
 Concen: 102.68 ng
 RT: 7.63 min Scan# 551
 Delta R.T. -0.01 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

Tgt Ion: 99 Resp: 418388
 Ion Ratio Lower Upper
 99 100
 42 24.7 13.7 20.5#
 71 39.1 14.2 21.2#

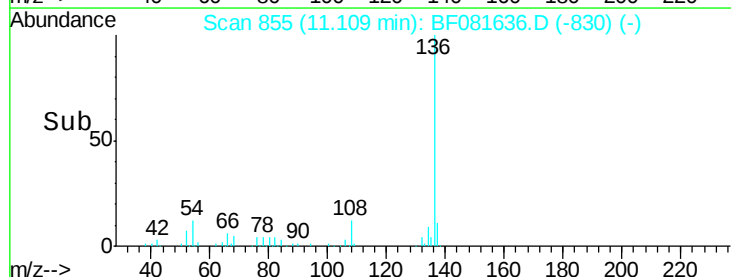
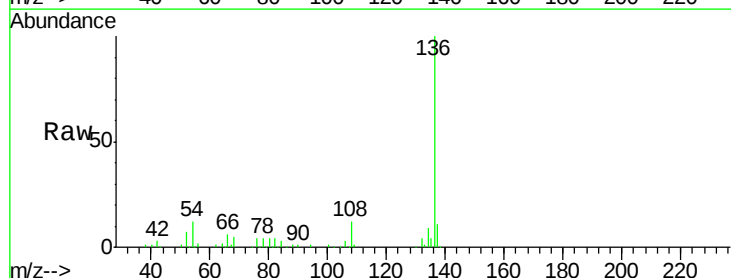
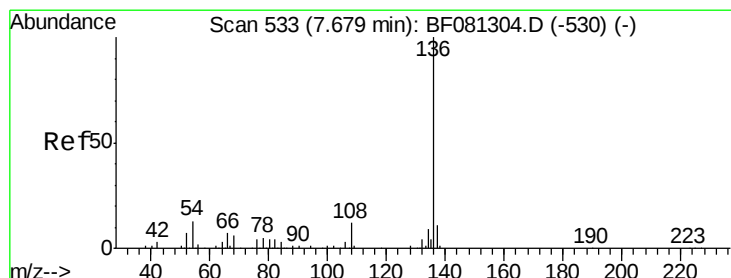
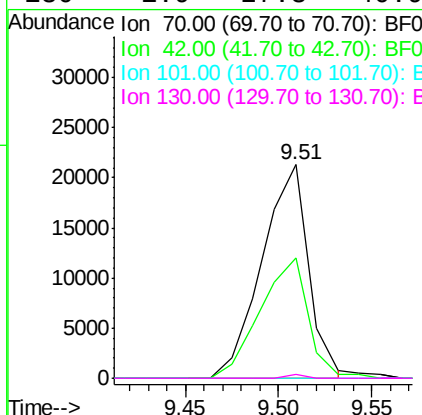




#19
n-Nitroso-di-n-propylamine
Concen: 13.34 ng
RT: 9.51 min Scan# 715
Delta R.T. 0.22 min
Lab File: BF081636.D
Acq: 15 Sep 2015 19:12

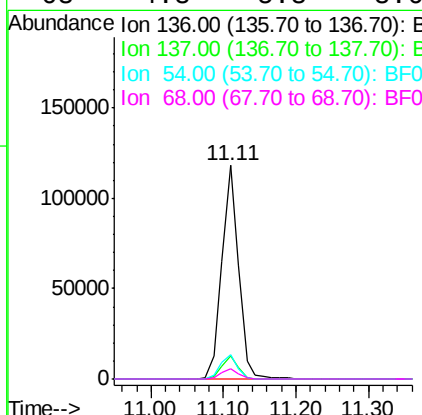
Instrument :
BNA_F
ClientSampleId :
H1-H2-H3-H4-H5-COMP

Tgt Ion:	70	Resp:	37003
Ion	Ratio	Lower	Upper
70	100		
42	56.3	63.8	95.6#
101	0.0	9.2	13.8#
130	1.9	27.3	40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF081636.D
Acq: 15 Sep 2015 19:12

Tgt Ion:	136	Resp:	189899
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	11.5	8.2	12.2
68	4.8	5.8	8.6#

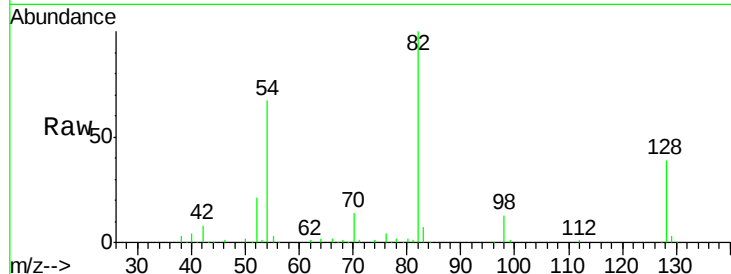




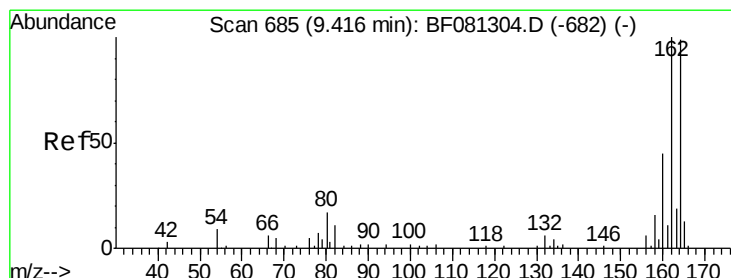
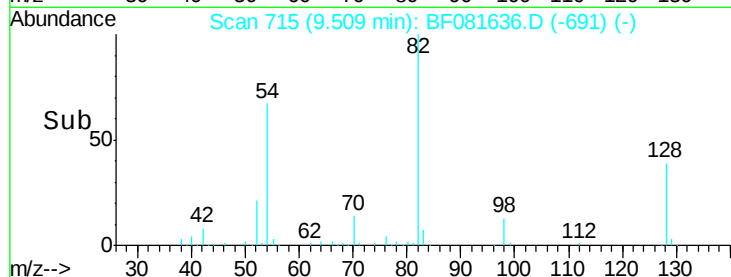
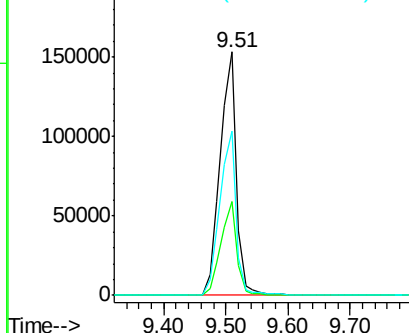
#23
 Nitrobenzene-d5
 Concen: 70.26 ng
 RT: 9.51 min Scan# 715
 Delta R.T. -0.02 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

Instrument :
 BNA_F
 ClientSampleId :
 H1-H2-H3-H4-H5-COMP

Tgt Ion: 82 Resp: 276551
 Ion Ratio Lower Upper
 82 100
 128 38.7 51.0 76.6#
 54 67.4 47.5 71.3

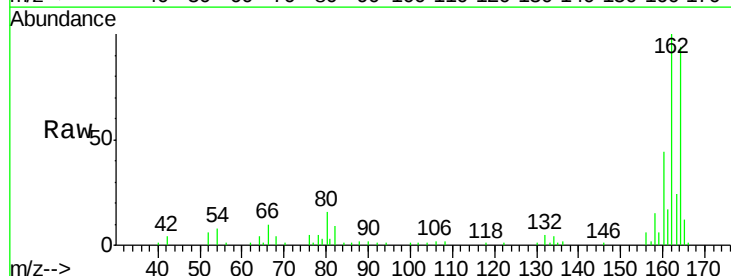


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

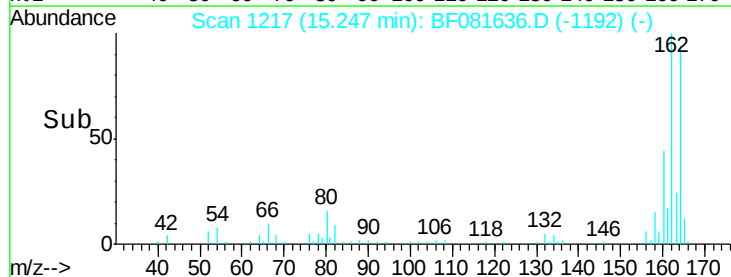
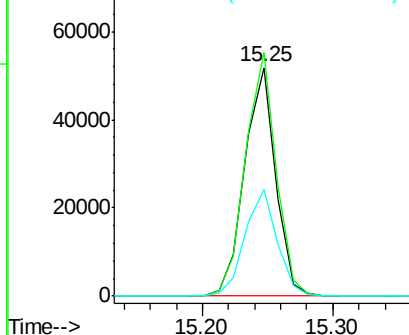


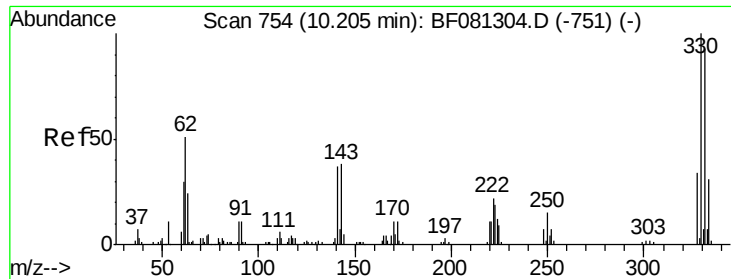
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

Tgt Ion: 164 Resp: 85299
 Ion Ratio Lower Upper
 164 100
 162 106.5 75.2 112.8
 160 46.4 31.5 47.3



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

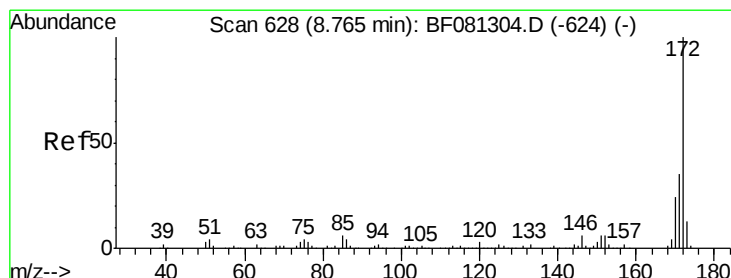
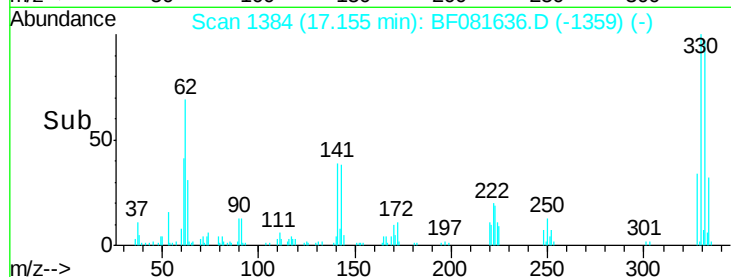
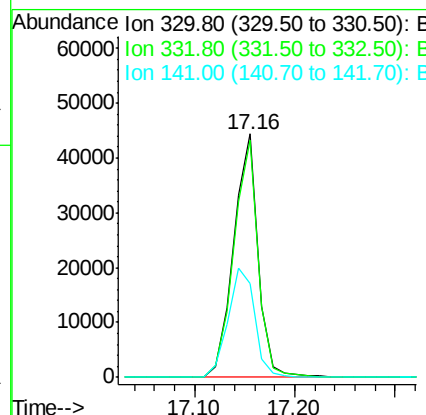
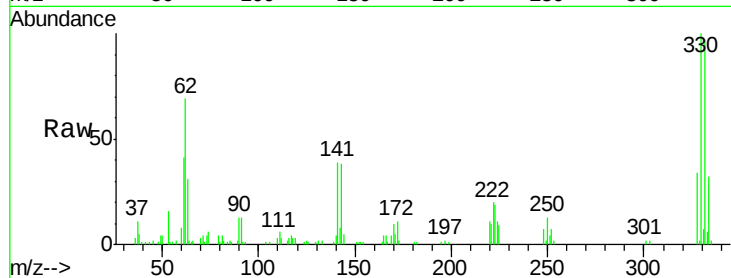




#41
 2,4,6-Tribromophenol
 Concen: 98.42 ng
 RT: 17.16 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

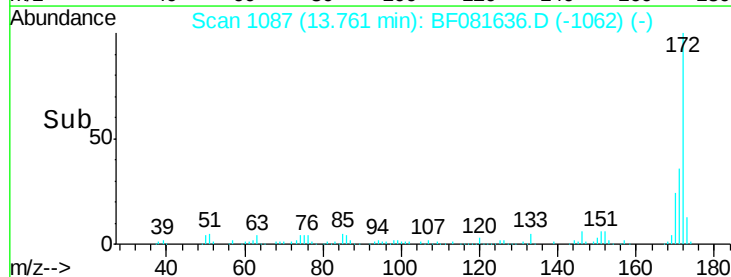
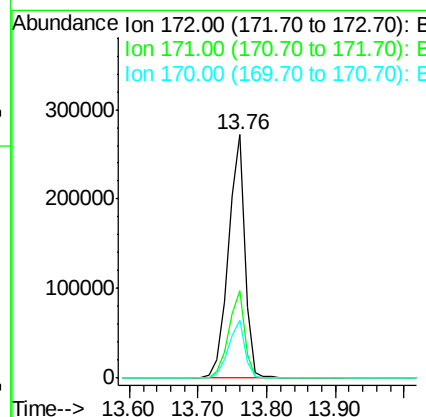
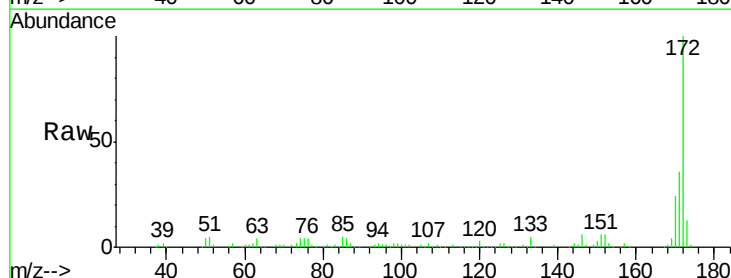
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 H1-H2-H3-H4-H5-COMP

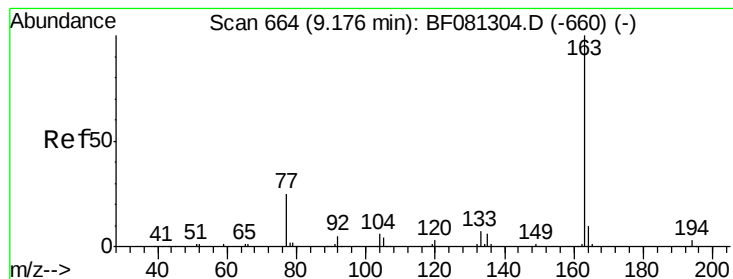
Tgt Ion: 330 Resp: 74749
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 49.0 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 69.70 ng
 RT: 13.76 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

Tgt Ion: 172 Resp: 463939
 Ion Ratio Lower Upper
 172 100
 171 36.1 26.1 39.1
 170 24.0 17.4 26.2





#49

Dimethylphthalate

Concen: 18.04 ng

RT: 14.81 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF081636.D

Acq: 15 Sep 2015 19:12

Instrument :

BNA_F

ClientSampleId :

H1-H2-H3-H4-H5-COMP

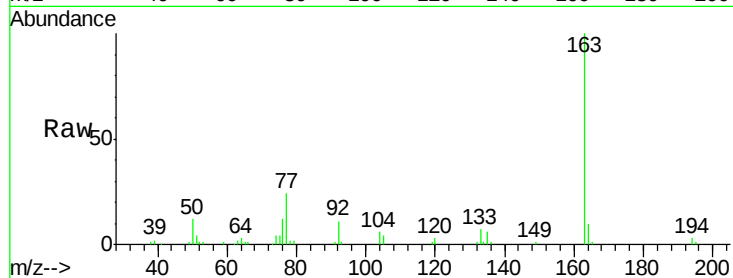
Tgt Ion:163 Resp: 119586

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

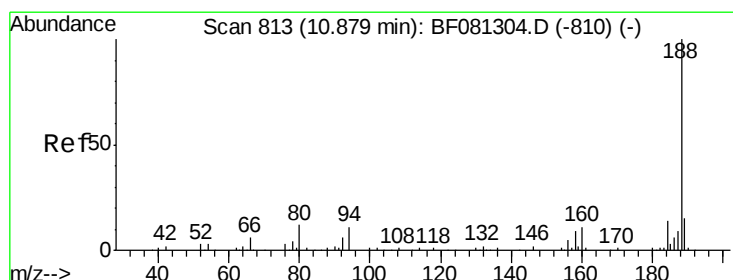
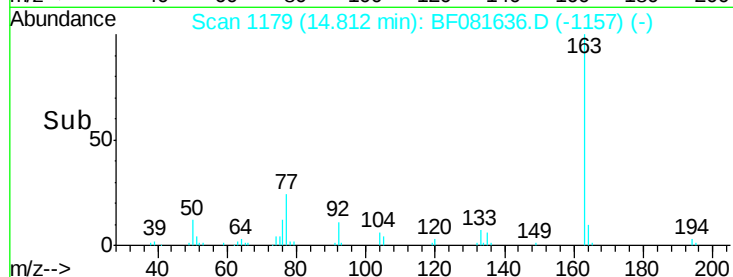
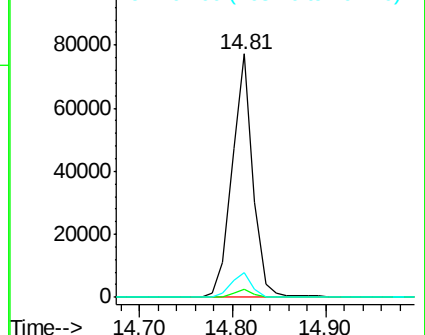
164 10.3 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.76 min Scan# 1524

Delta R.T. -0.00 min

Lab File: BF081636.D

Acq: 15 Sep 2015 19:12

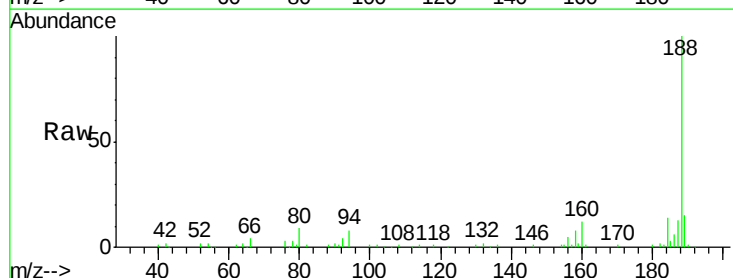
Tgt Ion:188 Resp: 159163

Ion Ratio Lower Upper

188 100

94 7.7 11.1 16.7#

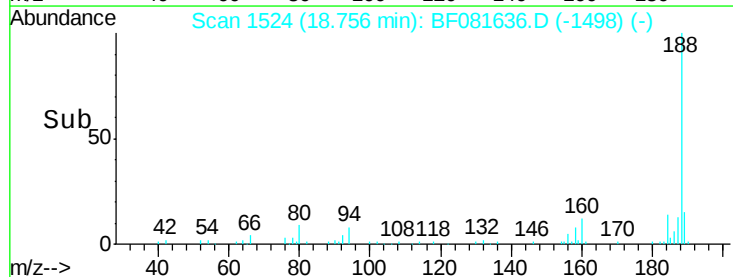
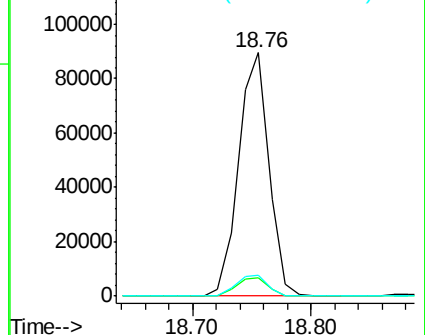
80 8.5 11.0 16.4#

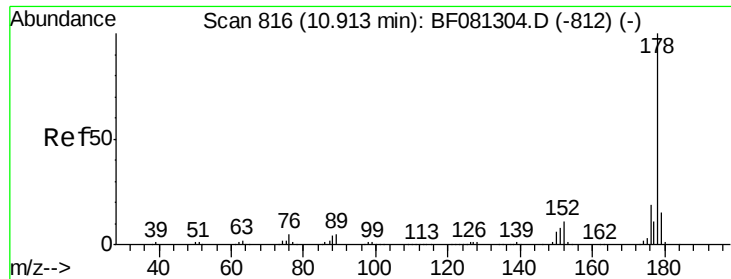


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

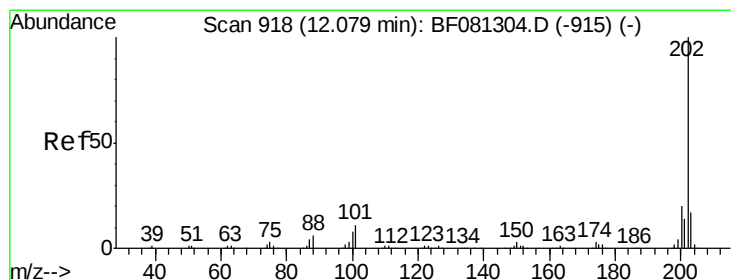
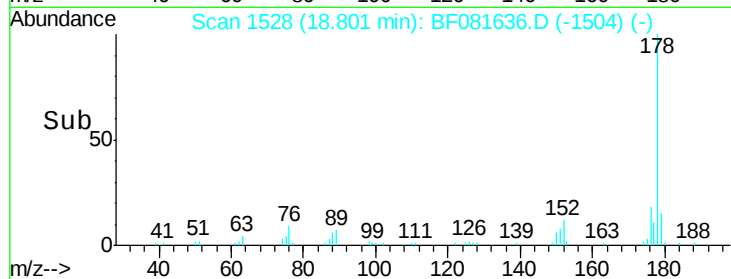
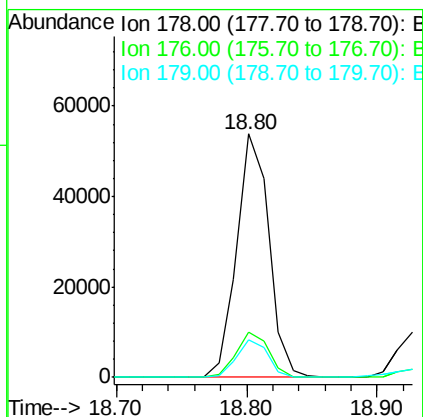
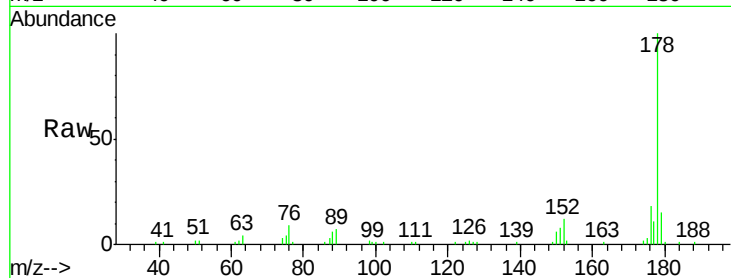




#70
Phenanthrene
Concen: 10.45 ng
RT: 18.80 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BF081636.D
Acq: 15 Sep 2015 19:12

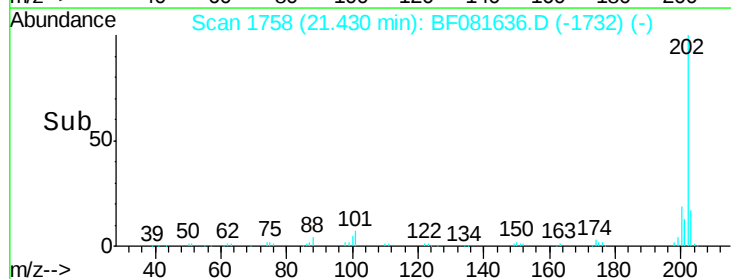
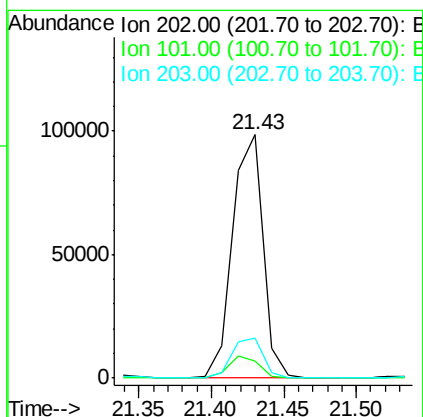
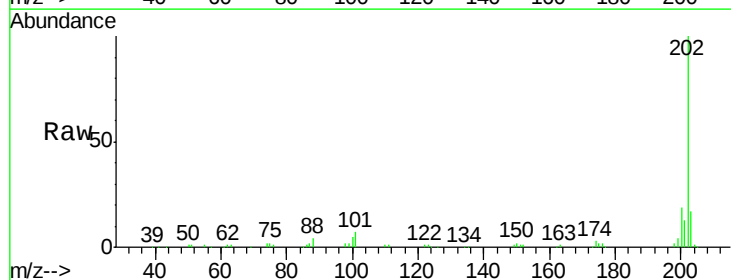
Instrument :
BNA_F
ClientSampleId :
H1-H2-H3-H4-H5-COMP

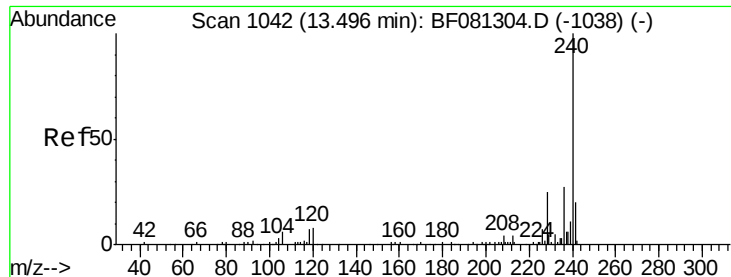
Tgt Ion:178 Resp: 92426
Ion Ratio Lower Upper
178 100
176 18.4 13.8 20.8
179 15.3 12.2 18.2



#74
Fluoranthene
Concen: 15.05 ng
RT: 21.43 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BF081636.D
Acq: 15 Sep 2015 19:12

Tgt Ion:202 Resp: 144122
Ion Ratio Lower Upper
202 100
101 7.0 0.0 38.3
203 16.7 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.38 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BF081636.D

Acq: 15 Sep 2015 19:12

Instrument :

BNA_F

ClientSampleId :

H1-H2-H3-H4-H5-COMP

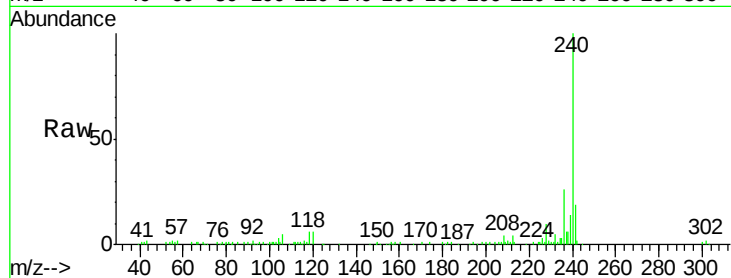
Tgt Ion:240 Resp: 108979

Ion Ratio Lower Upper

240 100

120 6.4 16.2 24.2#

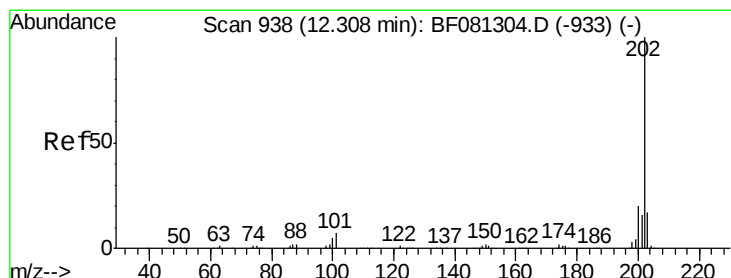
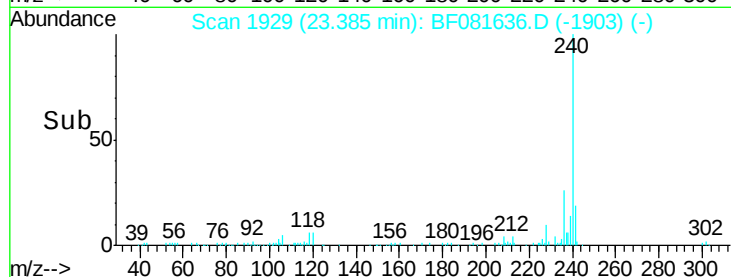
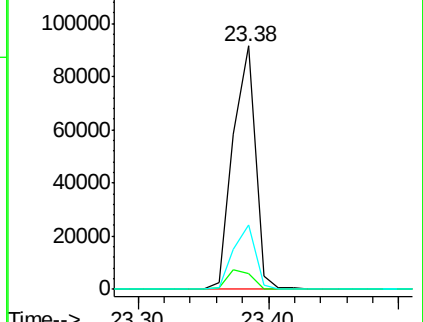
236 26.2 18.4 27.6



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: 18.94 ng

RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF081636.D

Acq: 15 Sep 2015 19:12

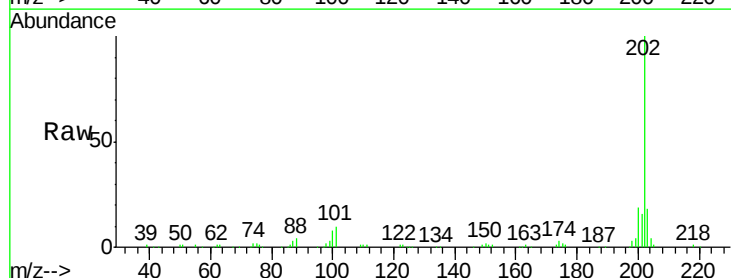
Tgt Ion:202 Resp: 152900

Ion Ratio Lower Upper

202 100

200 19.4 15.0 22.4

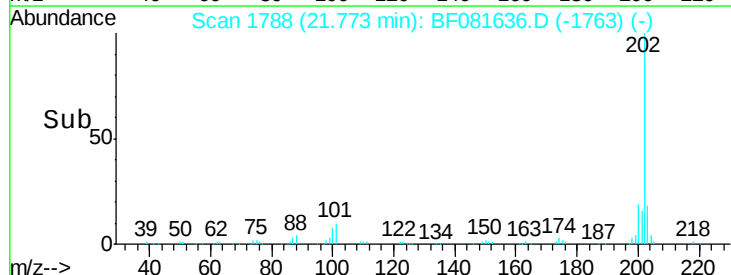
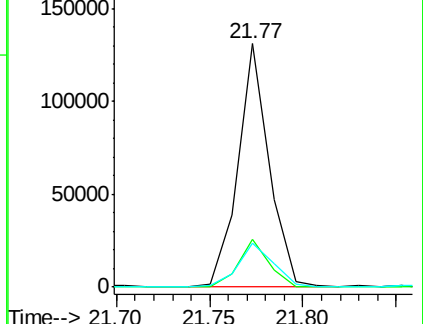
203 18.1 14.1 21.1

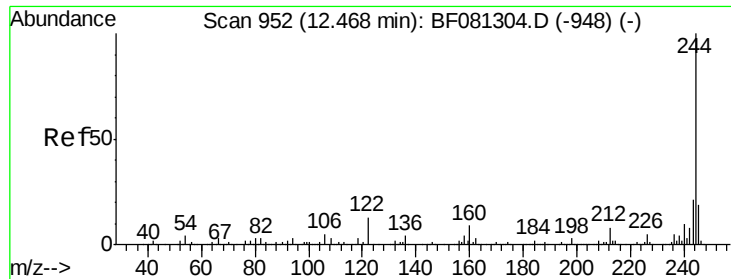


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

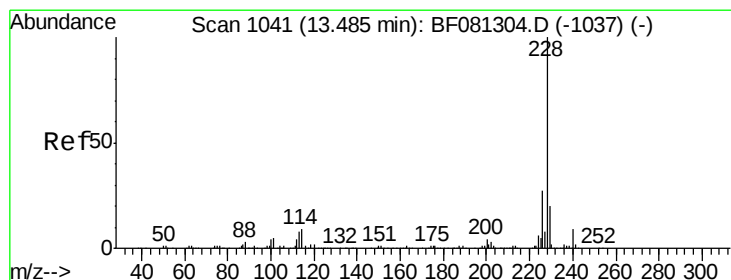
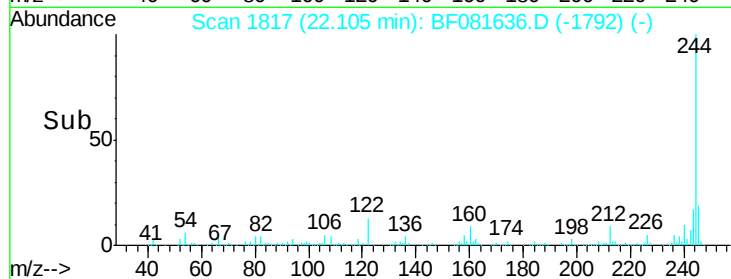
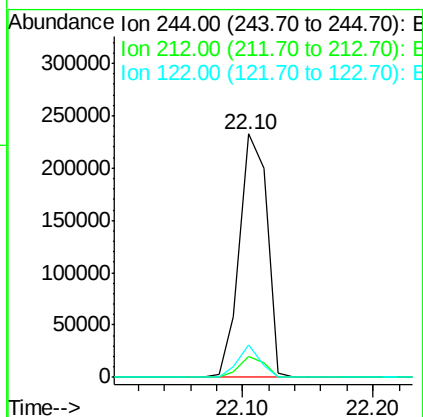
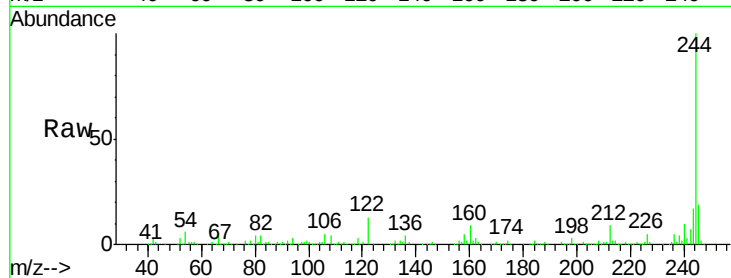




#78
 Terphenyl-d14
 Concen: 73.02 ng
 RT: 22.10 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

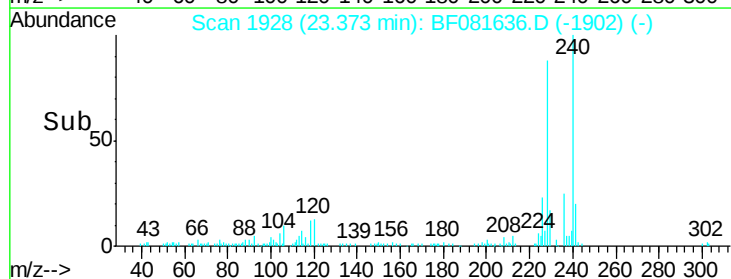
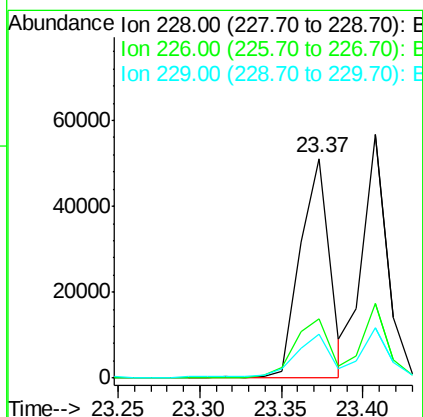
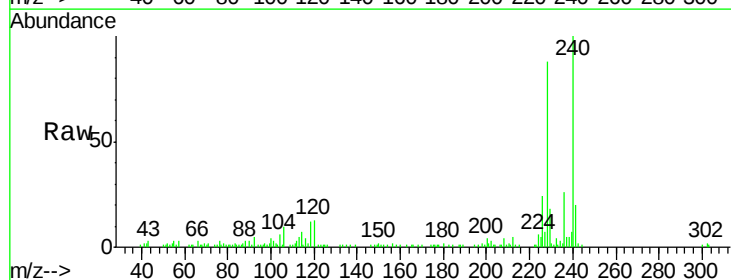
Instrument :
 BNA_F
 ClientSampleId :
 H1-H2-H3-H4-H5-COMP

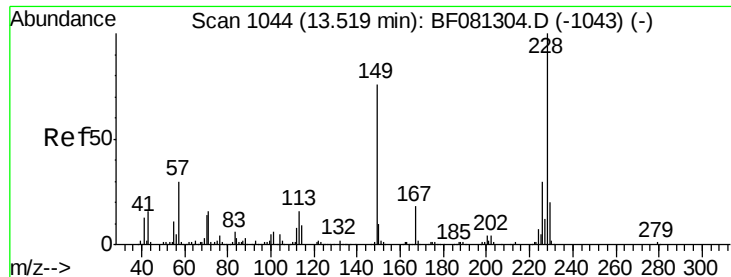
Tgt Ion:244 Resp: 341841
 Ion Ratio Lower Upper
 244 100
 212 8.7 4.3 6.5#
 122 13.1 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 9.30 ng
 RT: 23.37 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

Tgt Ion:228 Resp: 64529
 Ion Ratio Lower Upper
 228 100
 226 27.1 20.0 30.0
 229 20.2 15.4 23.2





#82

Chrysene

Concen: 9.87 ng

RT: 23.41 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BF081636.D

Acq: 15 Sep 2015 19:12

Instrument :

BNA_F

ClientSampleId :

H1-H2-H3-H4-H5-COMP

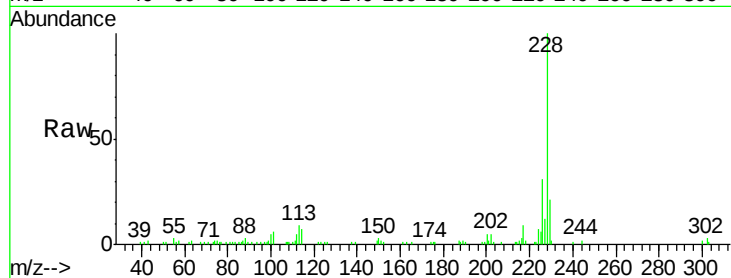
Tgt Ion:228 Resp: 61400

Ion Ratio Lower Upper

228 100

226 30.6 21.0 31.4

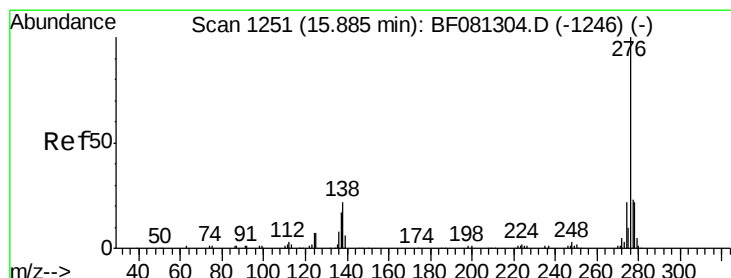
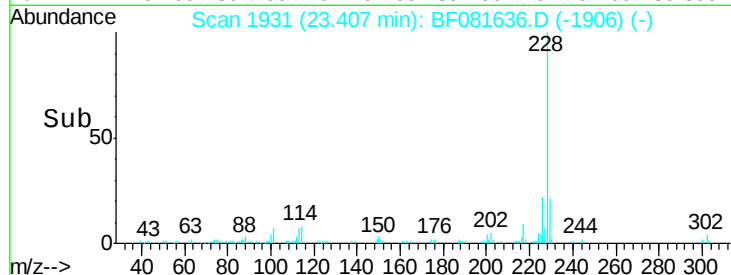
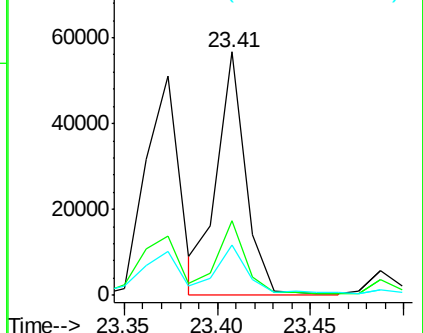
229 20.7 15.6 23.4



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: 4.85 ng

RT: 25.86 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BF081636.D

Acq: 15 Sep 2015 19:12

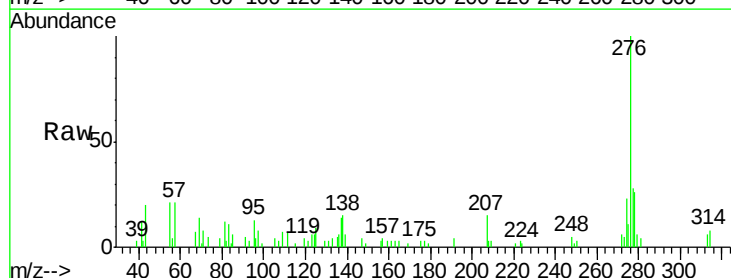
Tgt Ion:276 Resp: 22157

Ion Ratio Lower Upper

276 100

138 21.2 25.7 38.5#

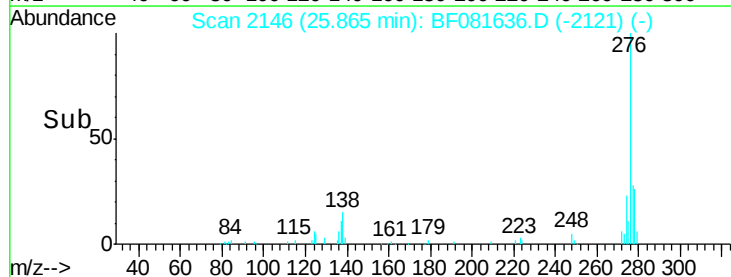
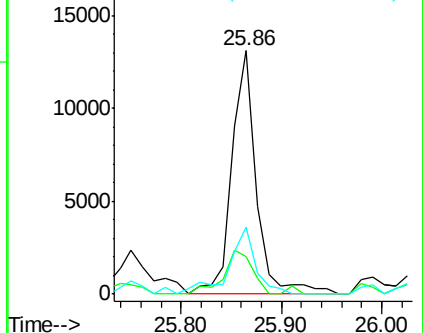
277 30.3 15.6 23.4#

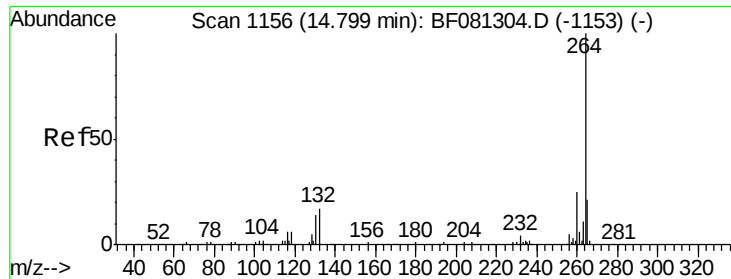


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

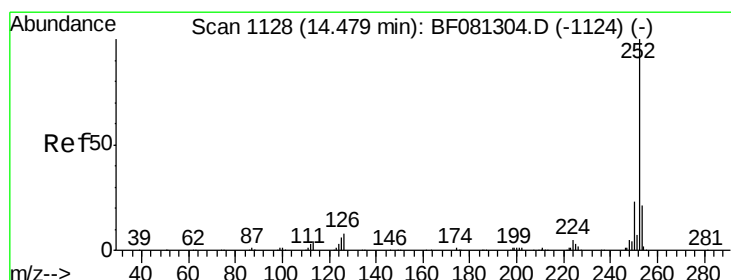
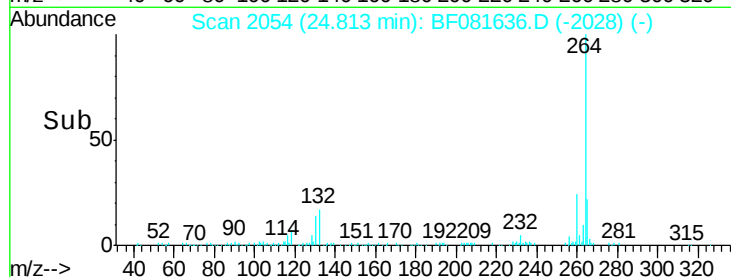
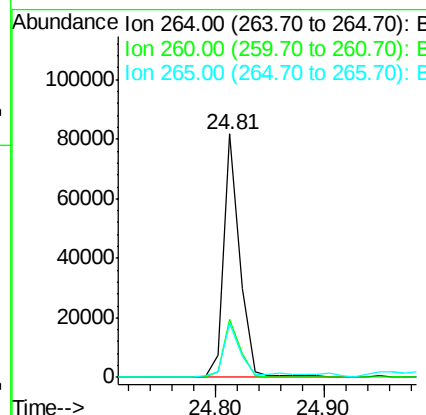
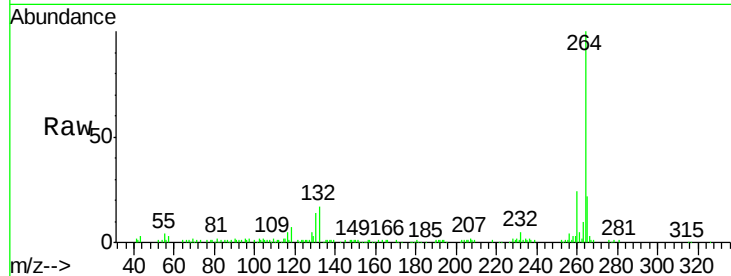




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.81 min Scan# 2054
 Delta R.T. -0.00 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

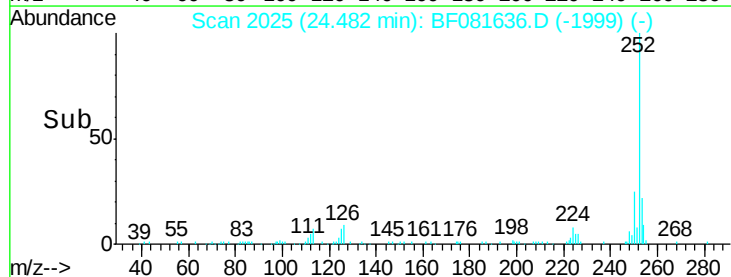
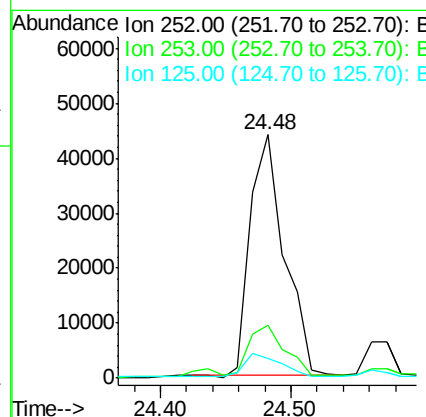
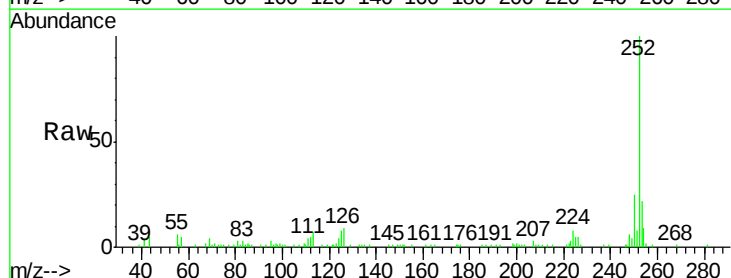
Instrument :
 BNA_F
 ClientSampleId :
 H1-H2-H3-H4-H5-COMP

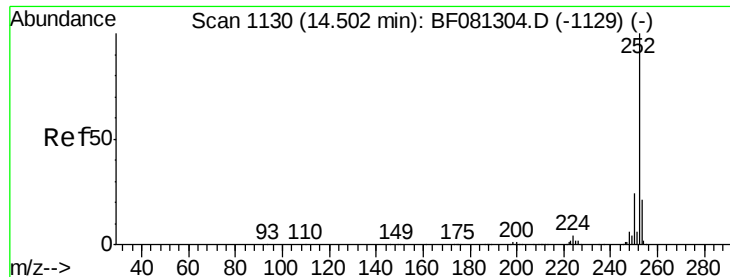
Tgt Ion: 264 Resp: 84761
 Ion Ratio Lower Upper
 264 100
 260 23.7 16.7 25.1
 265 22.4 17.2 25.8



#87
 Benzo(b)fluoranthene
 Concen: 13.21 ng
 RT: 24.48 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

Tgt Ion: 252 Resp: 79959
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.5 26.3
 125 8.1 17.1 25.7#





#88

Benzo(k)fluoranthene

Concen: 15.92 ng

RT: 24.48 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF081636.D

Acq: 15 Sep 2015 19:12

Instrument :

BNA_F

ClientSampleId :

H1-H2-H3-H4-H5-COMP

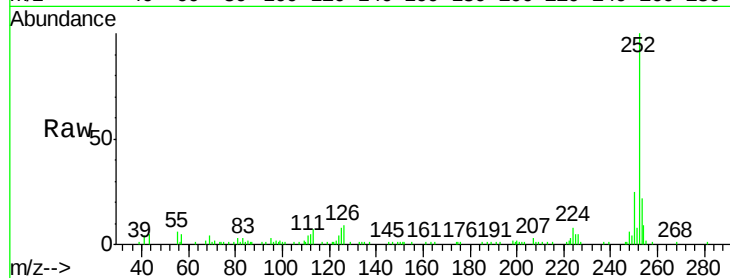
Tgt Ion:252 Resp: 79959

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.4

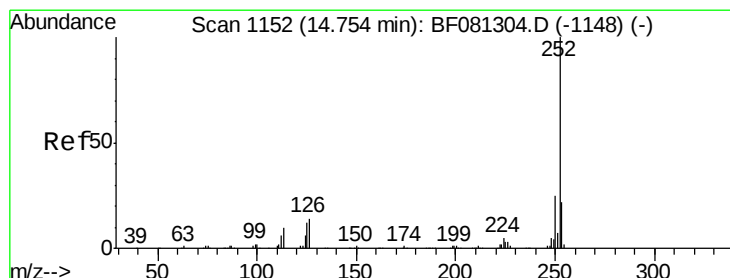
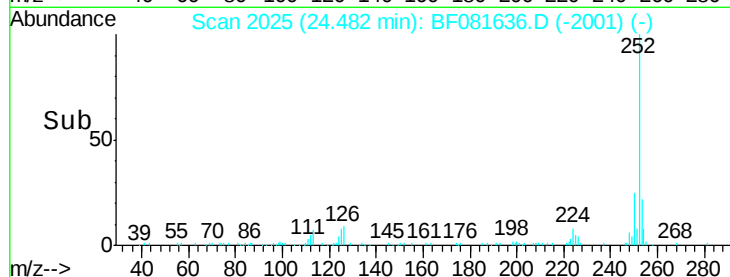
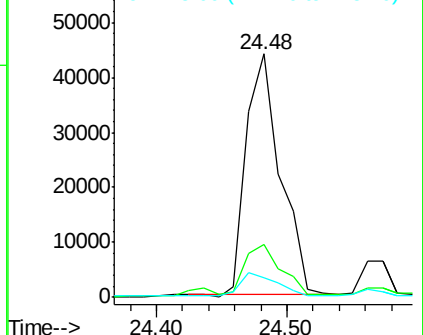
125 8.1 16.0 24.0#



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



#89

Benzo(a)pyrene

Concen: 9.52 ng

RT: 24.77 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF081636.D

Acq: 15 Sep 2015 19:12

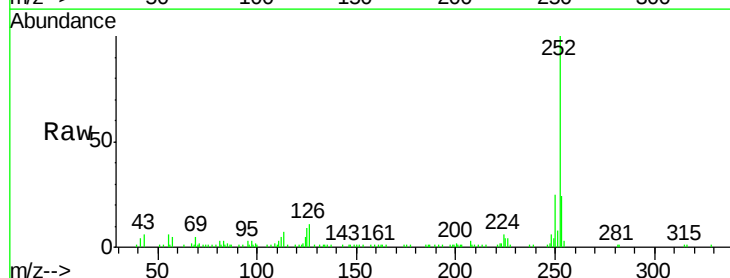
Tgt Ion:252 Resp: 48804

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

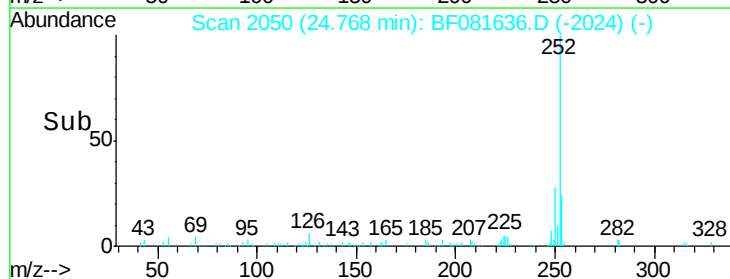
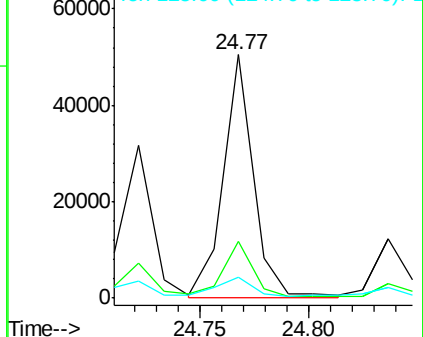
125 8.7 18.0 27.0#

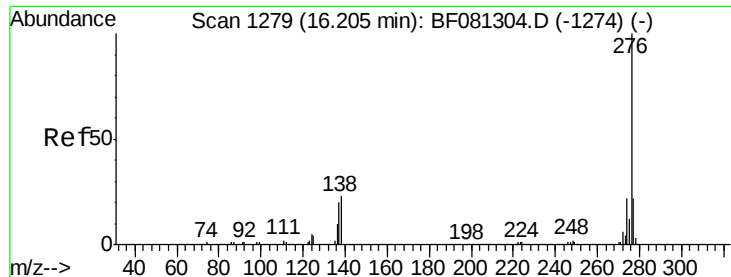


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 5.28 ng
 RT: 26.16 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BF081636.D
 Acq: 15 Sep 2015 19:12

Instrument :
 BNA_F
 ClientSampleId :
 H1-H2-H3-H4-H5-COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.8	26.6
138	19.2	34.6	51.8

