

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020916\
 Data File : BF084980.D
 Acq On : 10 Feb 2016 4:18
 Operator : SJ/IZ
 Sample : H1361-06 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Feb 10 05:48:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

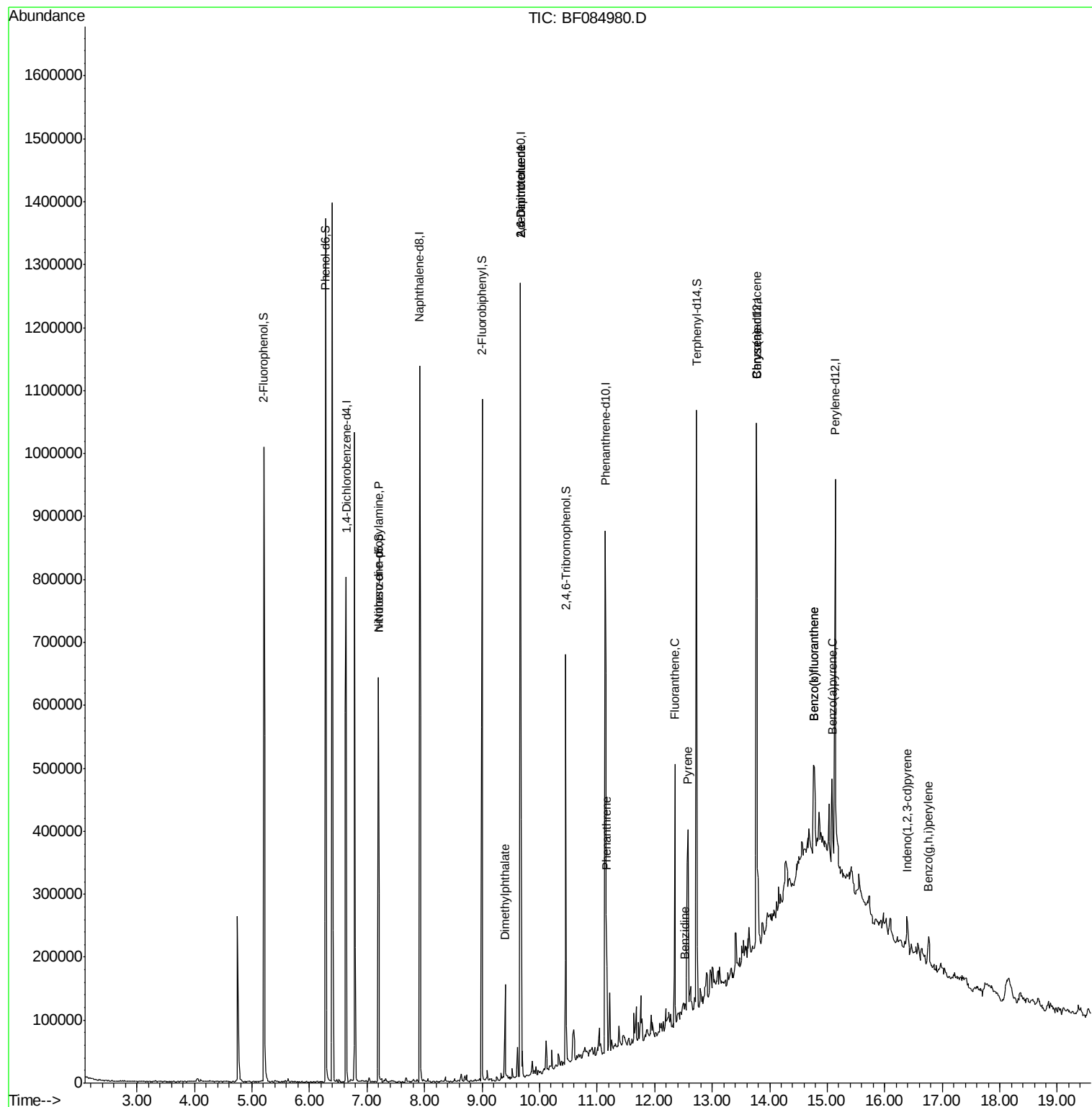
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	159303	20.00	ng	-0.05
21) Naphthalene-d8	7.92	136	606802	20.00	ng	-0.06
38) Acenaphthene-d10	9.66	164	256507	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	398728	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	318338	20.00	ng	-0.07
86) Perylene-d12	15.14	264	279444	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	329569	32.22	ng	-0.07
7) Phenol-d6	6.28	99	435176	34.32	ng	-0.06
23) Nitrobenzene-d5	7.20	82	224921	20.88	ng	-0.07
41) 2,4,6-Tribromophenol	10.45	330	74359	27.79	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	405914	20.58	ng	-0.06
78) Terphenyl-d14	12.73	244	274721	19.56	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	28836	3.63	ng	# 66
49) Dimethylphthalate	9.40	163	68679	3.52	ng	# 90
50) 2,6-Dinitrotoluene	9.66	165	34252	8.03	ng	# 37
56) 2,4-Dinitrotoluene	9.66	165	34252	6.29	ng	# 21
70) Phenanthrene	11.16	178	102316	4.63	ng	99
74) Fluoranthene	12.35	202	156813	7.01	ng	96
76) Benzidine	12.52	184	521	6.92	ng	# 66
77) Pyrene	12.58	202	147342	6.05	ng	99
80) Benzo(a)anthracene	13.77	228	138161	6.99	ng	96
82) Chrysene	13.77	228	138161	7.21	ng	99
85) Indeno(1,2,3-cd)pyrene	16.39	276	33313	2.21	ng	98
87) Benzo(b)fluoranthene	14.76	252	99289	5.29	ng	# 88
88) Benzo(k)fluoranthene	14.76	252	99289	6.40	ng	# 92
89) Benzo(a)pyrene	15.08	252	53194	3.33	ng	# 96
91) Benzo(g,h,i)perylene	16.76	276	31882	2.35	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

Instrument :

BNA_F

ClientSampleId :

WC-2

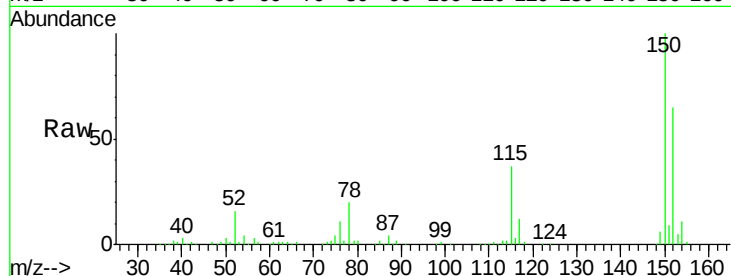
Tgt Ion:152 Resp: 159303

Ion Ratio Lower Upper

152 100

150 153.4 123.0 184.4

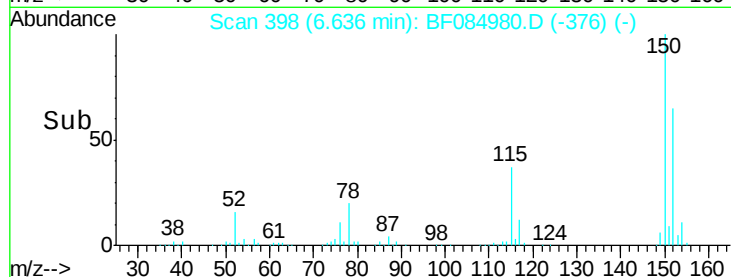
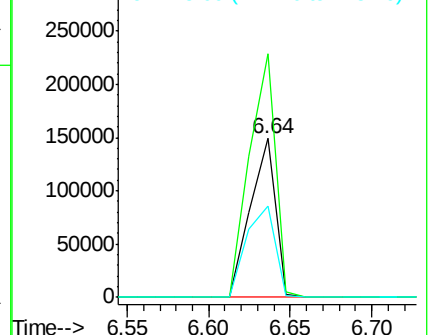
115 57.2 51.4 77.2



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: 32.22 ng

RT: 5.21 min Scan# 273

Delta R.T. -0.07 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

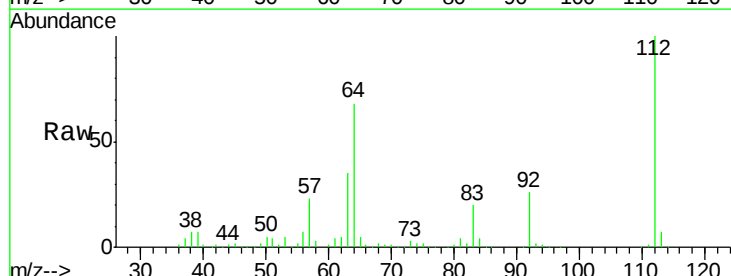
Tgt Ion:112 Resp: 329569

Ion Ratio Lower Upper

112 100

64 67.6 36.6 55.0#

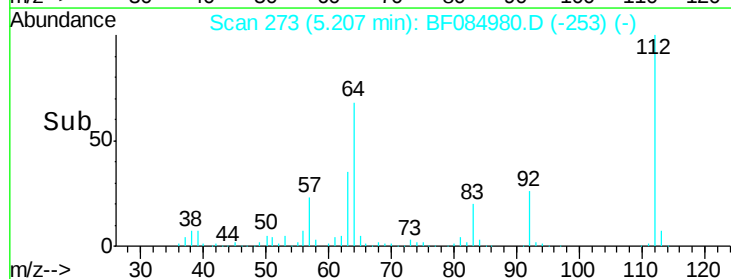
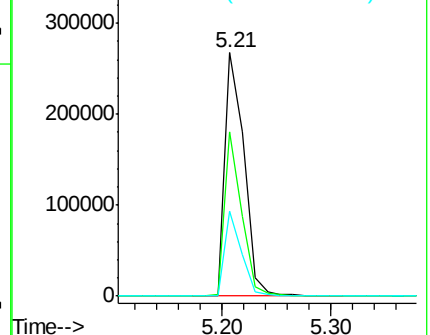
63 35.0 19.4 29.0#



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: 34.32 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.06 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

Instrument :

BNA_F

ClientSampleId :

WC-2

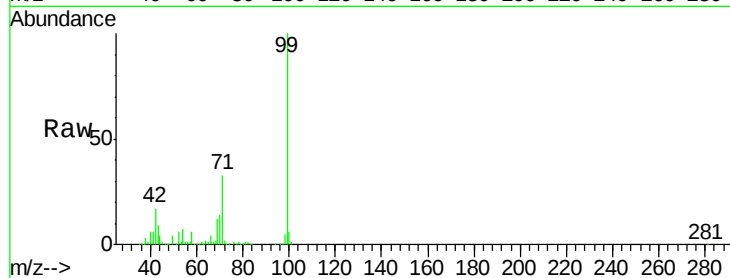
Tgt Ion: 99 Resp: 435176

Ion Ratio Lower Upper

99 100

42 17.4 12.8 19.2

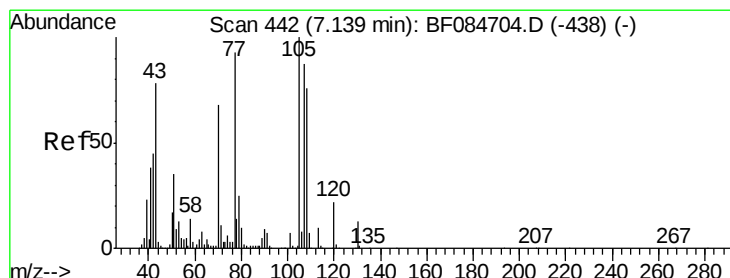
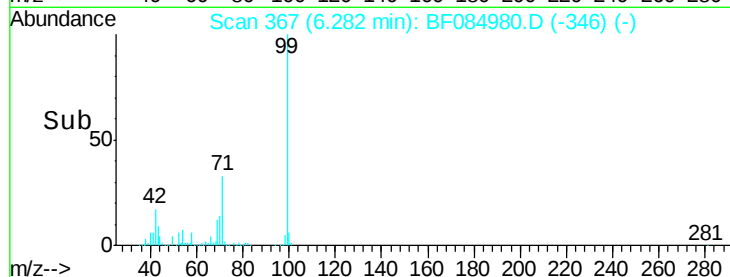
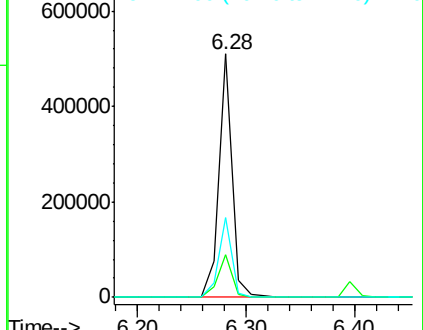
71 33.0 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.63 ng

RT: 7.20 min Scan# 447

Delta R.T. 0.08 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

Tgt Ion: 70 Resp: 28836

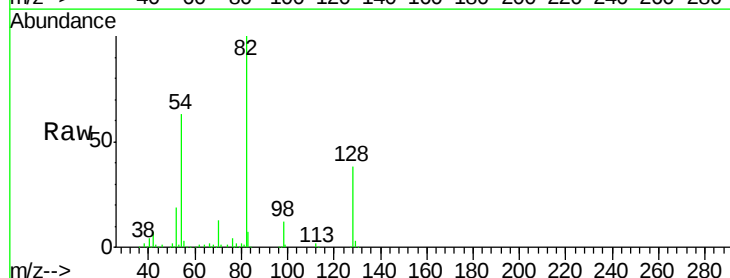
Ion Ratio Lower Upper

70 100

42 56.8 33.3 49.9#

101 0.0 9.3 13.9#

130 2.4 23.4 35.0#

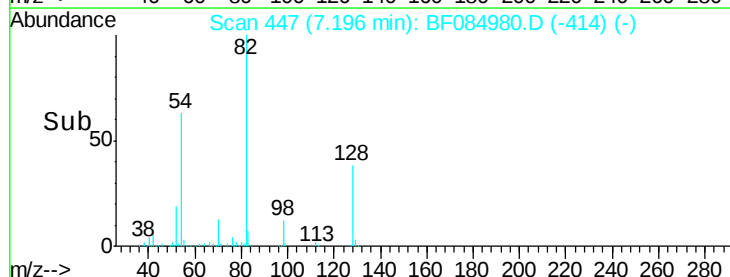
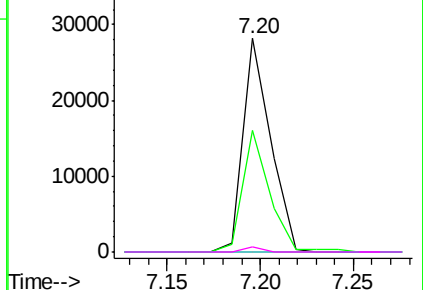


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

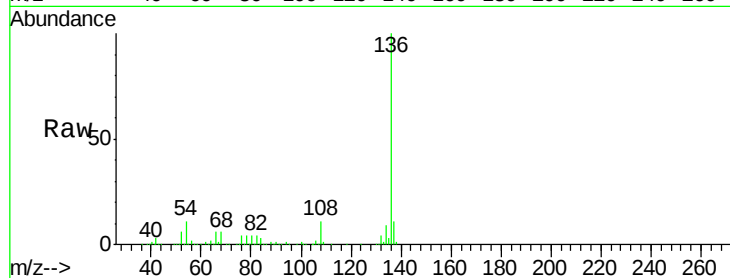




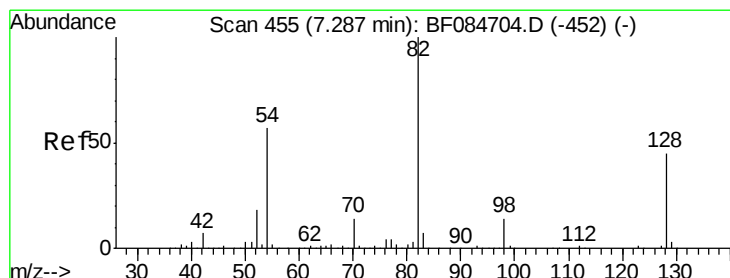
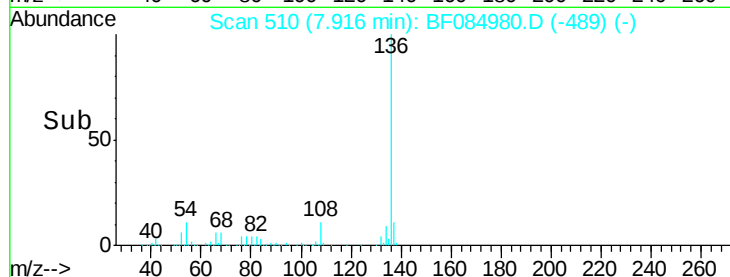
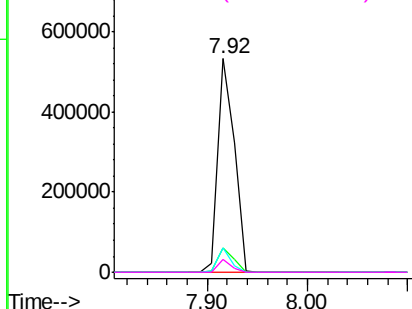
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.06 min
Lab File: BF084980.D
Acq: 10 Feb 2016 4:18

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:	136	Resp:	606802
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	11.2	5.8	8.8#
68	6.0	4.2	6.2

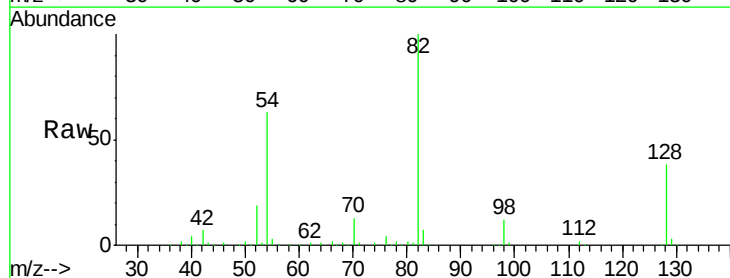


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

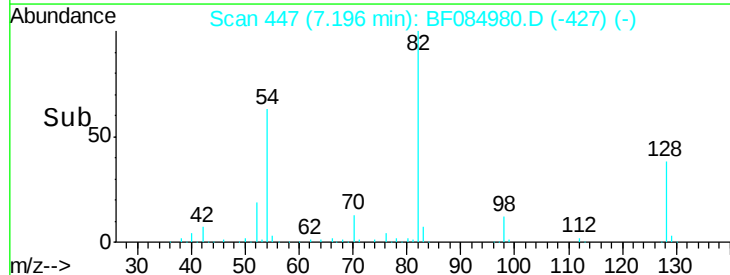
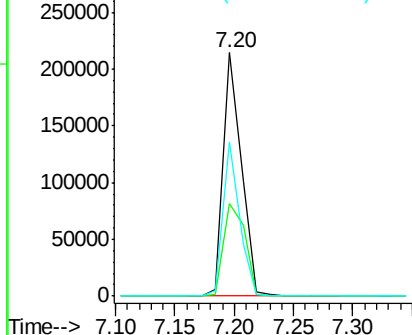


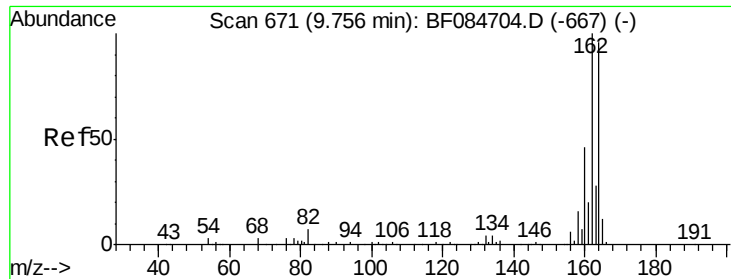
#23
Nitrobenzene-d5
Concen: 20.88 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.07 min
Lab File: BF084980.D
Acq: 10 Feb 2016 4:18

Tgt Ion:	82	Resp:	224921
Ion	Ratio	Lower	Upper
82	100		
128	37.9	34.6	51.8
54	63.0	38.4	57.6#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.07 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

Instrument :

BNA_F

ClientSampleId :

WC-2

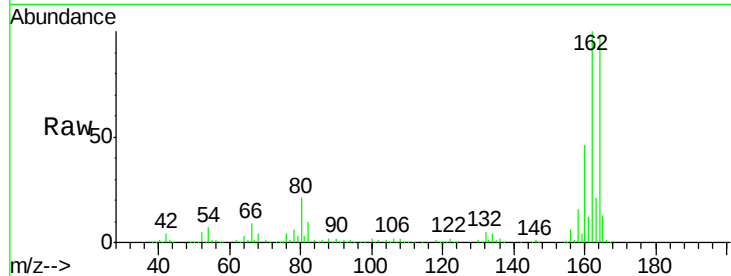
Tgt Ion:164 Resp: 256507

Ion Ratio Lower Upper

164 100

162 102.2 85.1 127.7

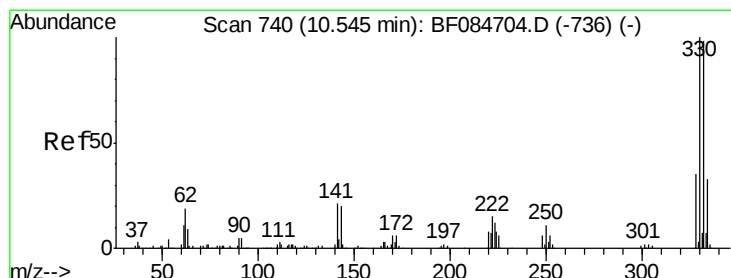
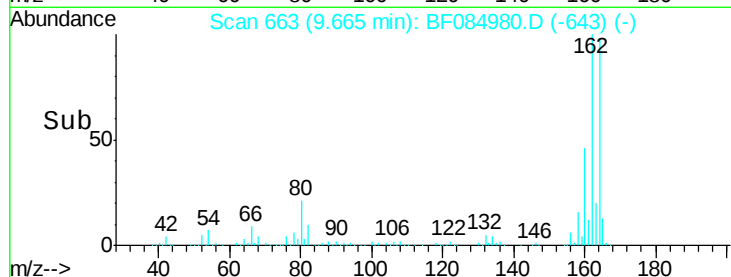
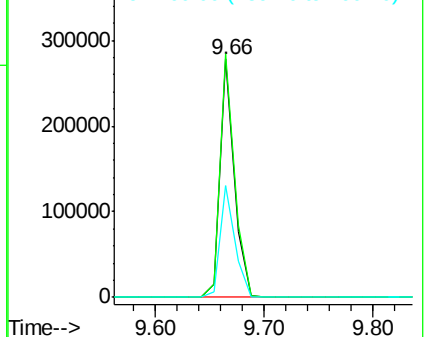
160 46.8 37.5 56.3



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: 27.79 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.07 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

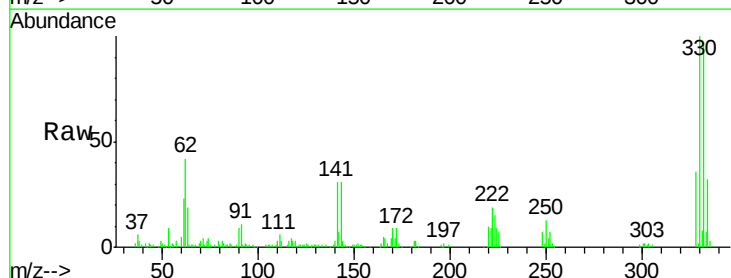
Tgt Ion:330 Resp: 74359

Ion Ratio Lower Upper

330 100

332 96.8 76.6 114.8

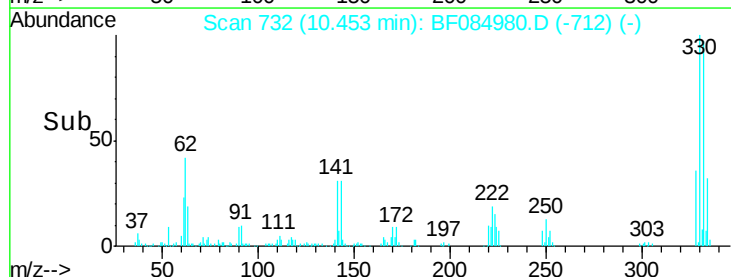
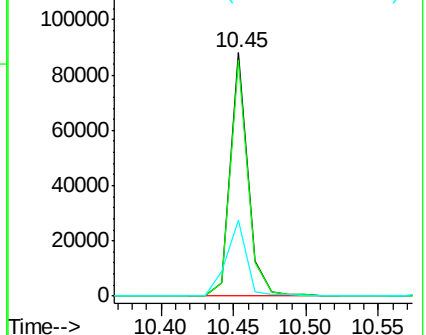
141 36.1 27.8 41.6

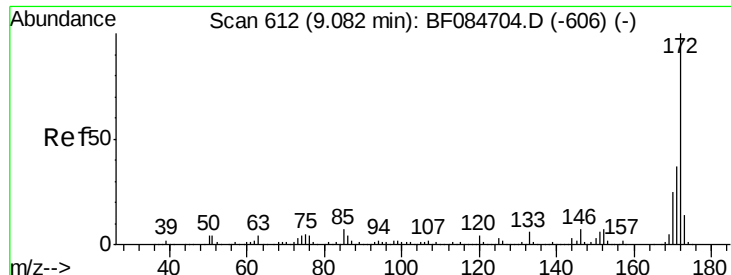


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

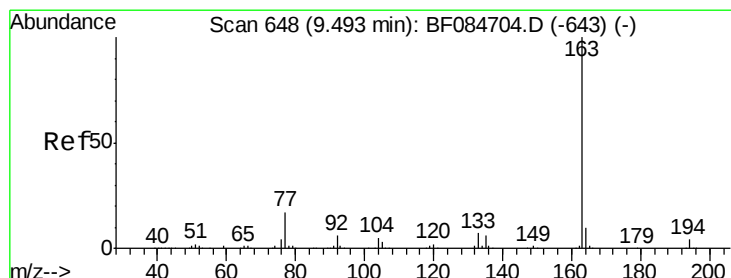
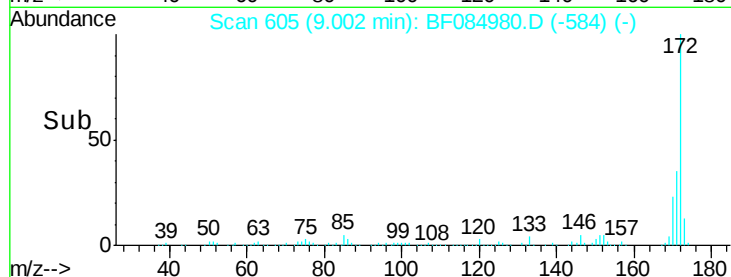
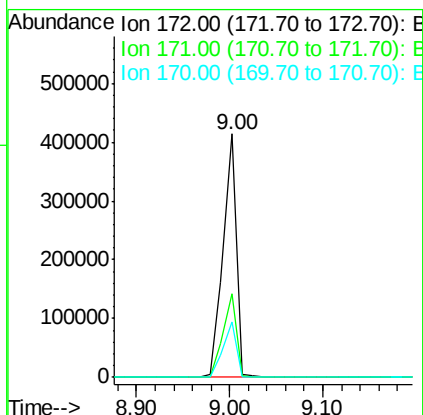
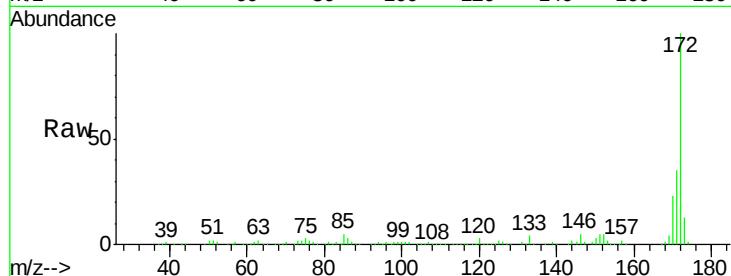




#44
 2-Fluorobiphenyl
 Concen: 20.58 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084980.D
 Acq: 10 Feb 2016 4:18

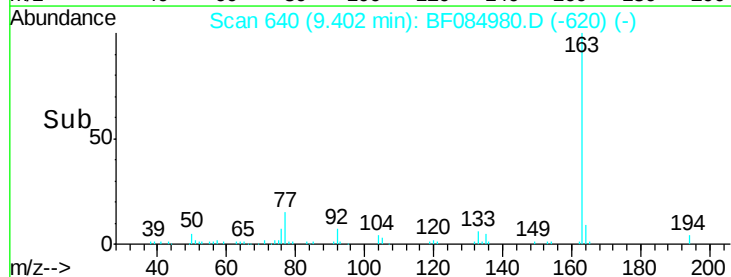
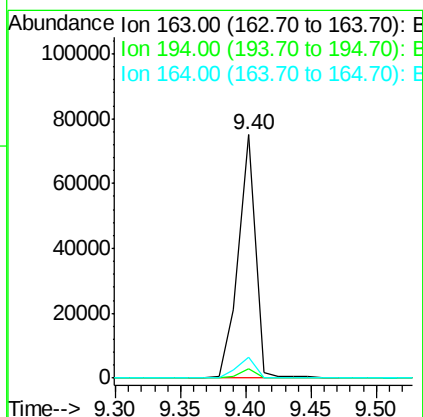
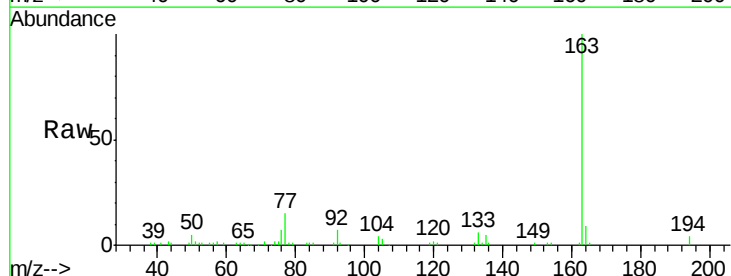
Instrument :
 BNA_F
 ClientSampled :
 WC-2

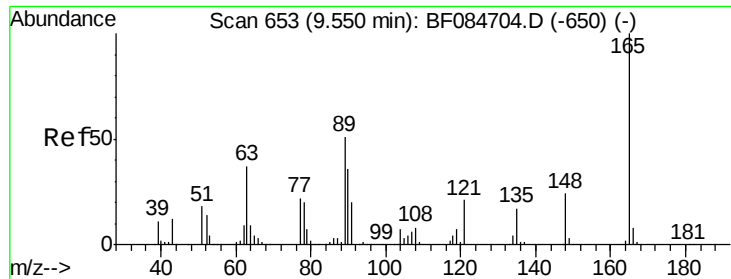
Tgt Ion:172 Resp: 405914
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.9 43.3
 170 22.8 18.6 27.8



#49
 Dimethylphthalate
 Concen: 3.52 ng
 RT: 9.40 min Scan# 640
 Delta R.T. -0.07 min
 Lab File: BF084980.D
 Acq: 10 Feb 2016 4:18

Tgt Ion:163 Resp: 68679
 Ion Ratio Lower Upper
 163 100
 194 4.1 8.0 12.0#
 164 8.8 8.0 12.0





#50

2,6-Dinitrotoluene

Concen: 8.03 ng

RT: 9.66 min Scan# 663

Delta R.T. 0.14 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

Instrument :

BNA_F

ClientSampleId :

WC-2

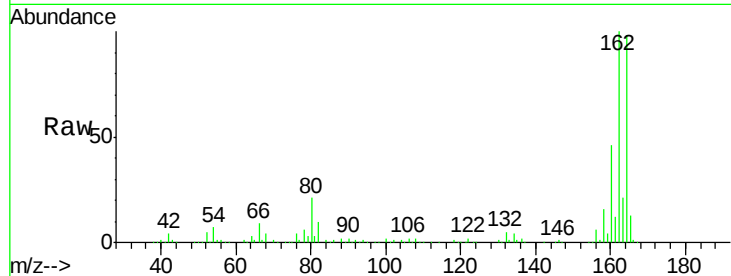
Tgt Ion:165 Resp: 34252

Ion Ratio Lower Upper

165 100

63 1.2 28.8 43.2#

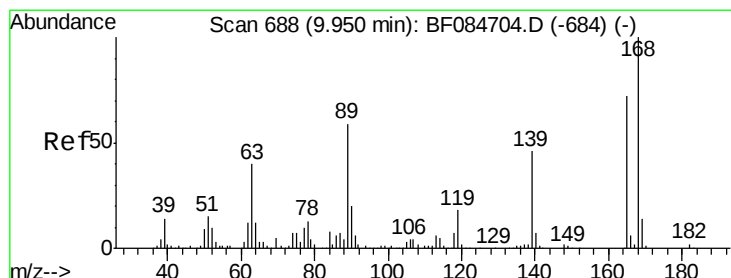
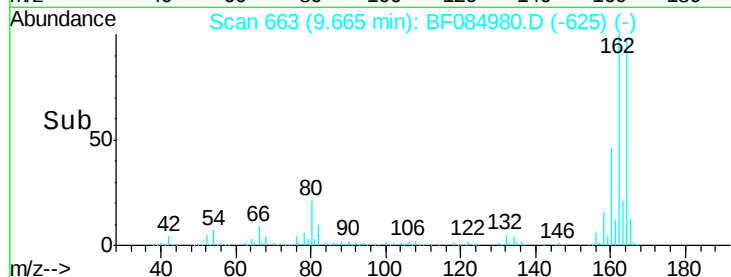
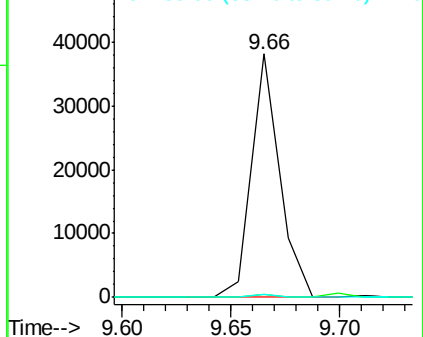
89 1.2 35.1 52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.29 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.26 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

Tgt Ion:165 Resp: 34252

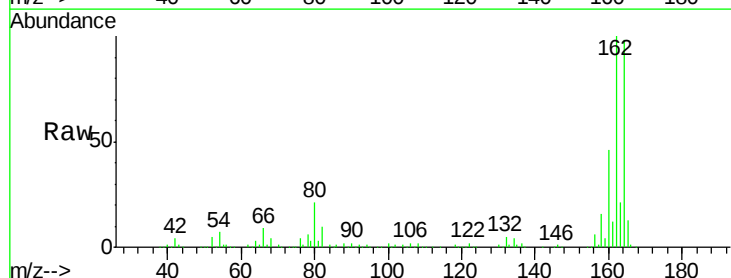
Ion Ratio Lower Upper

165 100

63 1.2 36.7 55.1#

89 1.2 61.9 92.9#

182 0.0 2.0 3.0#

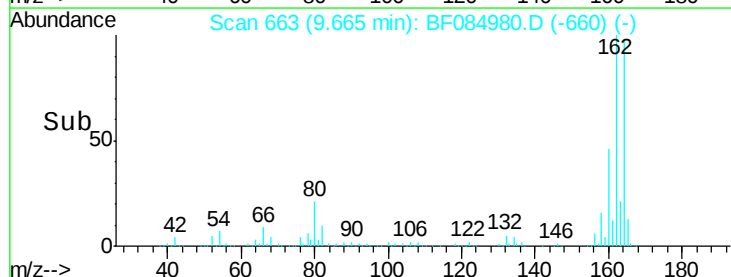
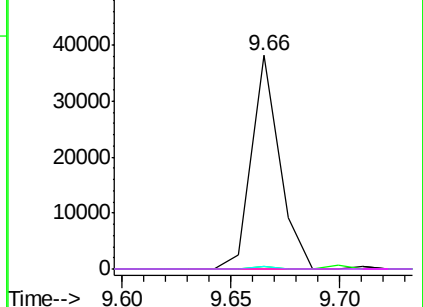


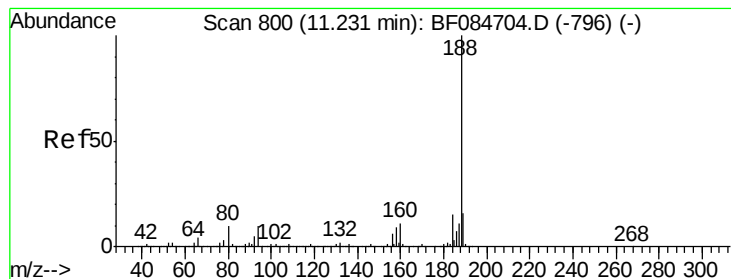
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 792

Delta R.T. -0.07 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

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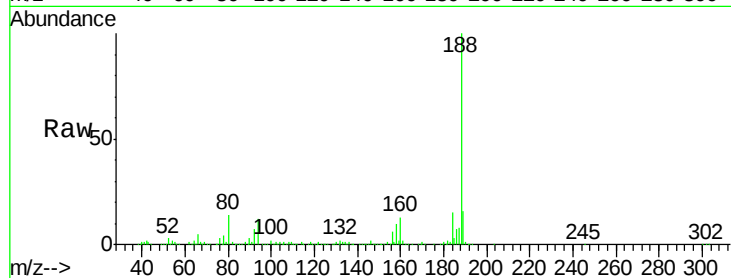
Tgt Ion:188 Resp: 398728

Ion Ratio Lower Upper

188 100

94 12.2 9.0 13.4

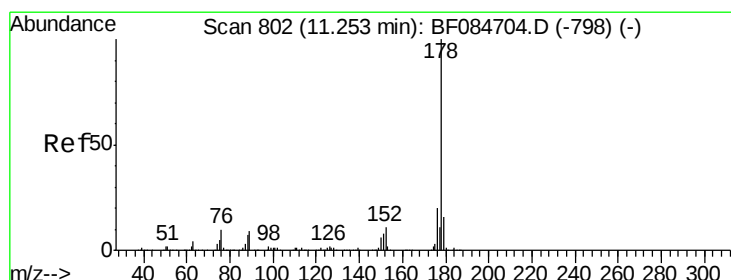
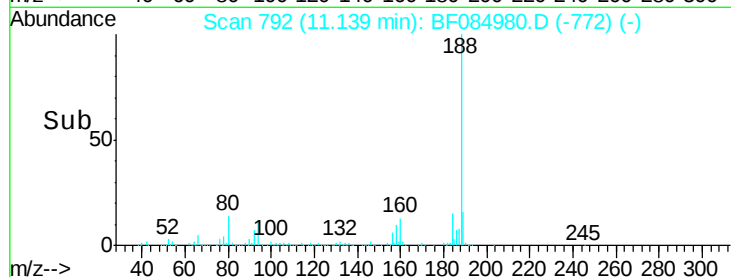
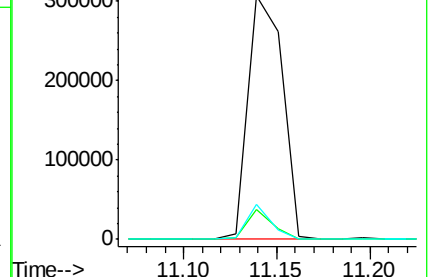
80 14.1 9.6 14.4



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: 4.63 ng

RT: 11.16 min Scan# 794

Delta R.T. -0.07 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

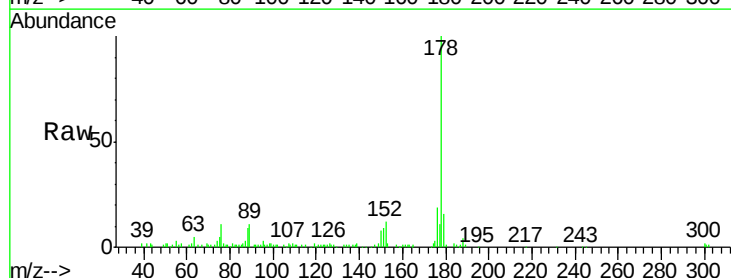
Tgt Ion:178 Resp: 102316

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

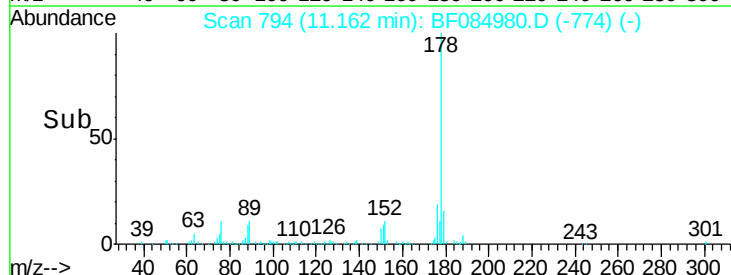
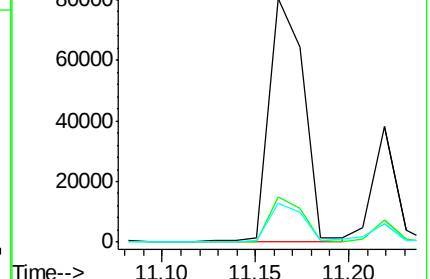
179 16.0 12.0 18.0

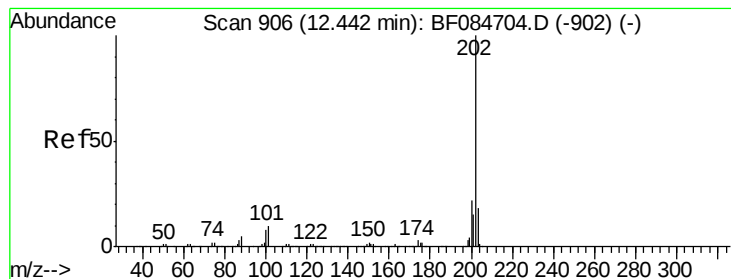


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.01 ng

RT: 12.35 min Scan# 898

Delta R.T. -0.07 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

Instrument :

BNA_F

ClientSampleId :

WC-2

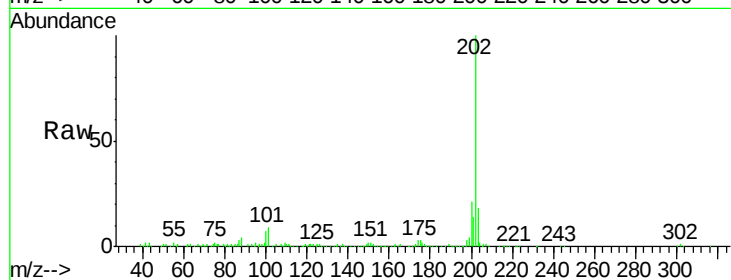
Tgt Ion: 202 Resp: 156813

Ion Ratio Lower Upper

202 100

101 9.1 0.0 32.8

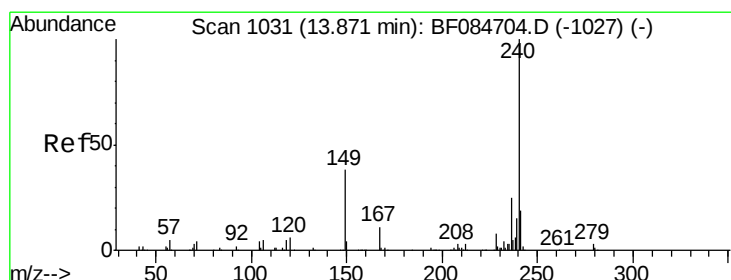
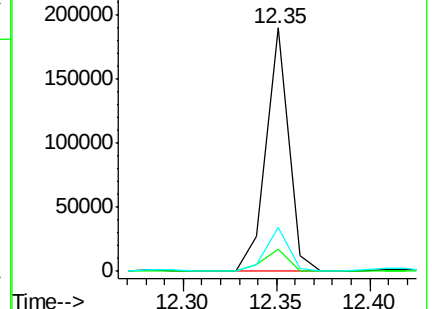
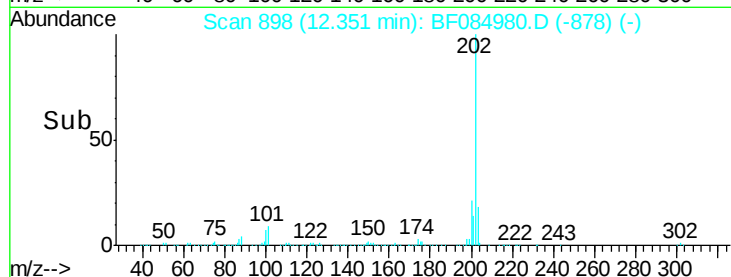
203 18.0 0.0 37.9



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: 13.77 min Scan# 1022

Delta R.T. -0.07 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

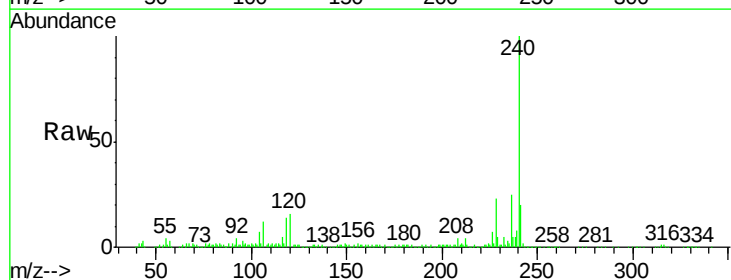
Tgt Ion: 240 Resp: 318338

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

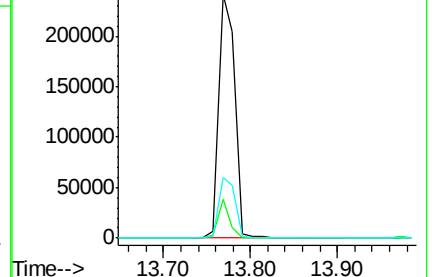
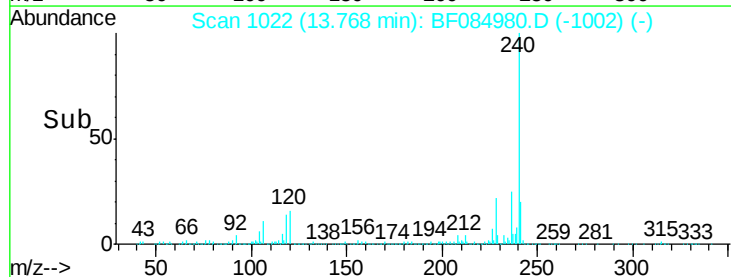
236 24.8 20.6 31.0

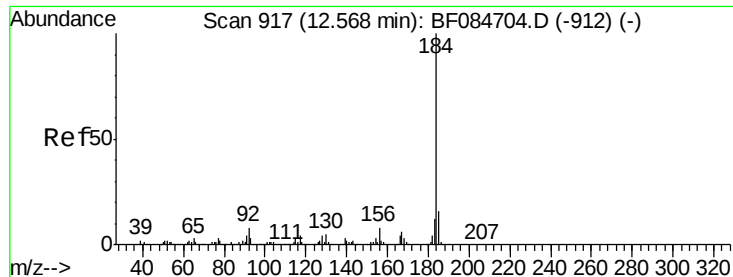


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.92 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

Instrument :

BNA_F

ClientSampleId :

WC-2

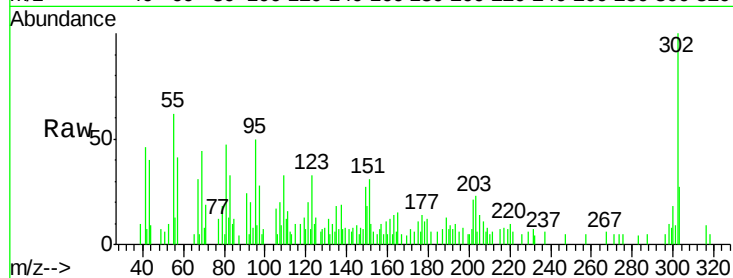
Tgt Ion:184 Resp: 521

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

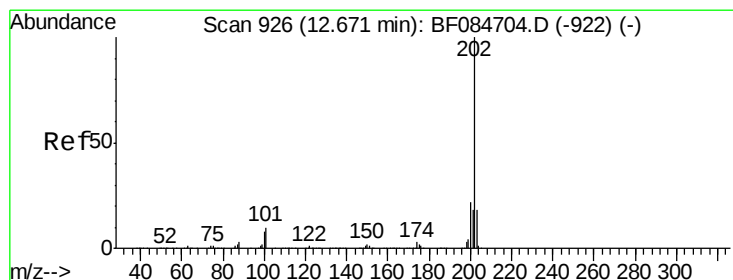
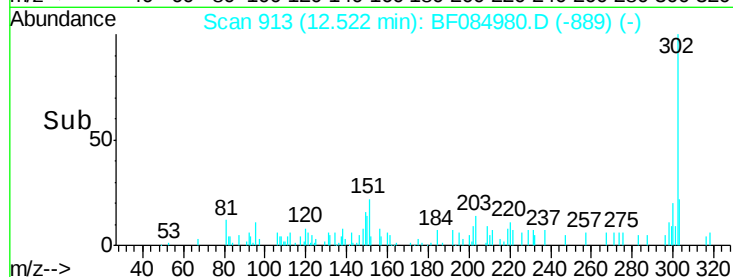
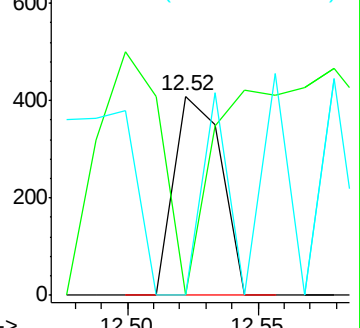
183 0.0 9.8 14.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 6.05 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.06 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

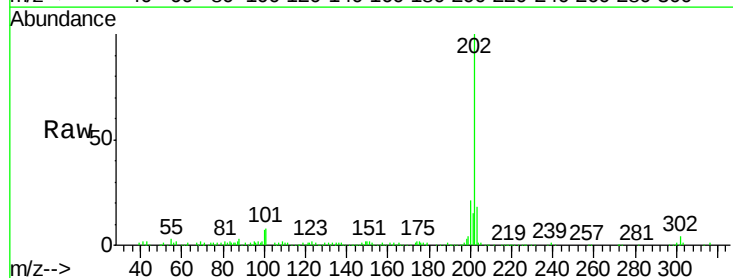
Tgt Ion:202 Resp: 147342

Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

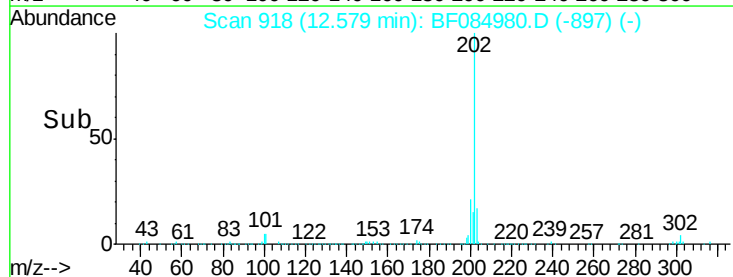
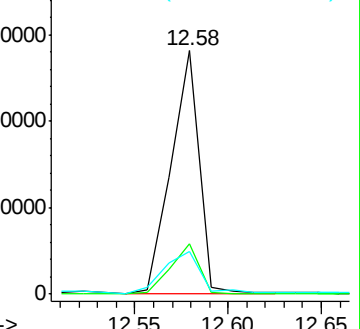
203 17.5 14.3 21.5

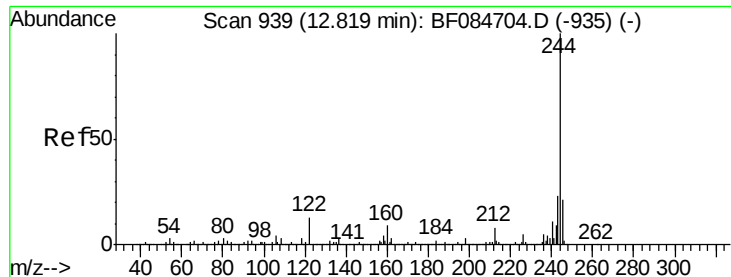


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

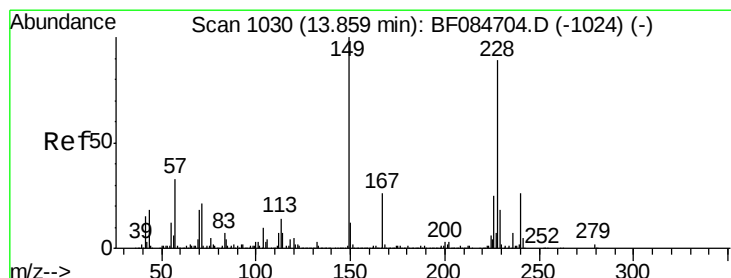
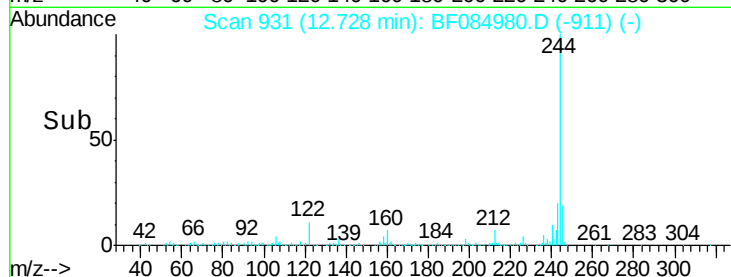
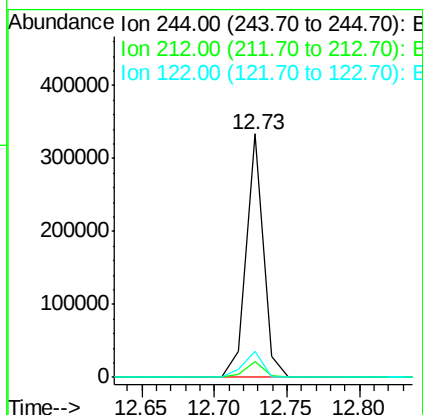
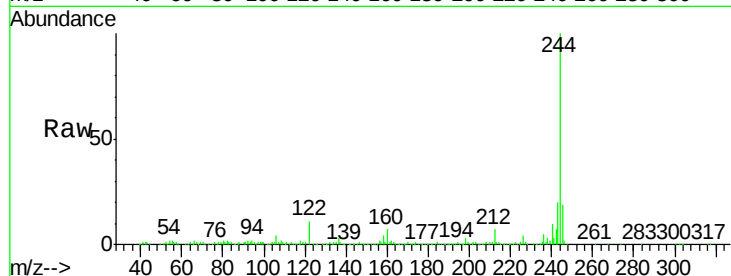




#78
 Terphenyl-d14
 Concen: 19.56 ng
 RT: 12.73 min Scan# 931
 Delta R.T. -0.07 min
 Lab File: BF084980.D
 Acq: 10 Feb 2016 4:18

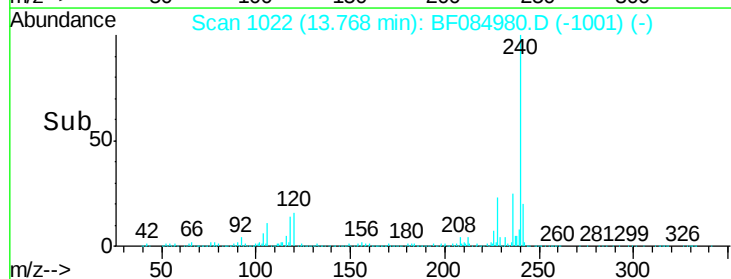
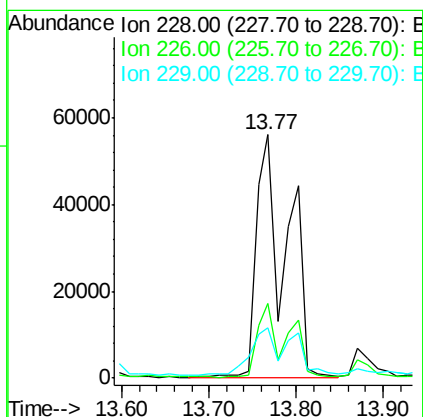
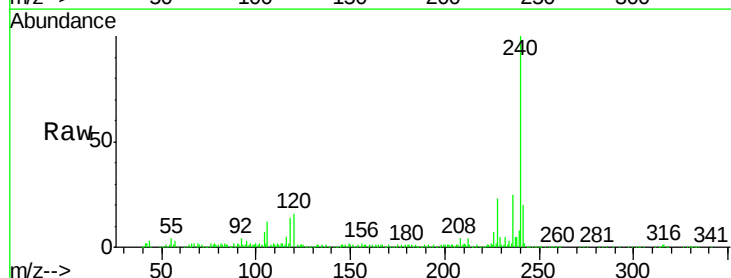
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

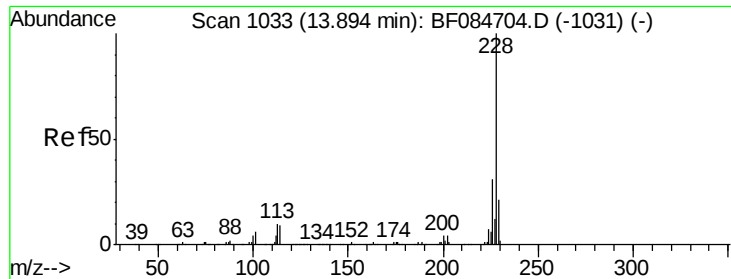
Tgt Ion:244 Resp: 274721
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 10.7 7.4 11.0



#80
 Benzo(a)anthracene
 Concen: 6.99 ng
 RT: 13.77 min Scan# 1022
 Delta R.T. -0.06 min
 Lab File: BF084980.D
 Acq: 10 Feb 2016 4:18

Tgt Ion:228 Resp: 138161
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.8 32.6
 229 20.6 15.8 23.8





#82

Chrysene

Concen: 7.21 ng

RT: 13.77 min Scan# 1022

Delta R.T. -0.09 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

Instrument :

BNA_F

ClientSampleId :

WC-2

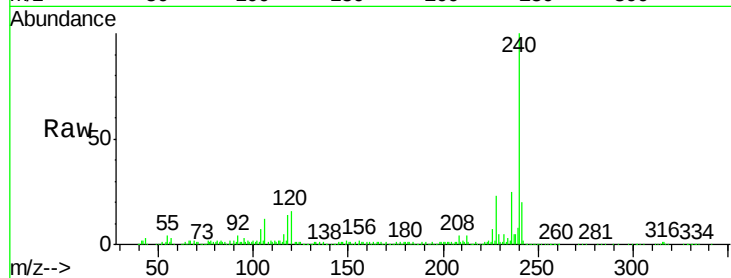
Tgt Ion: 228 Resp: 138161

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

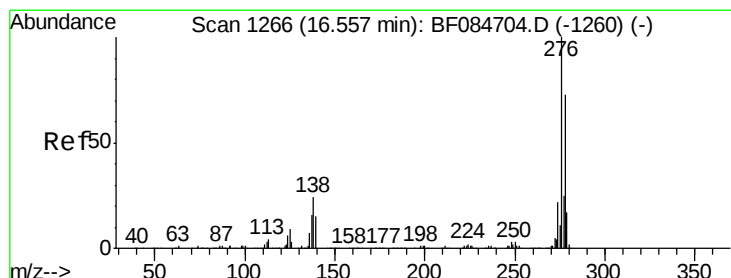
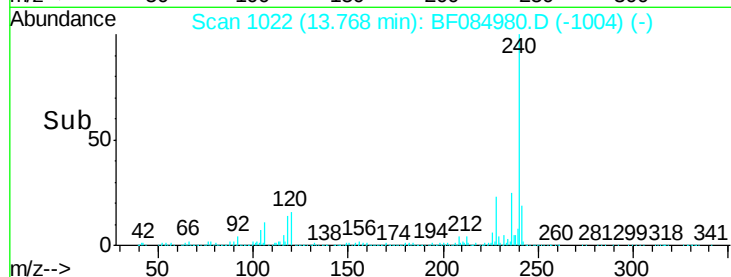
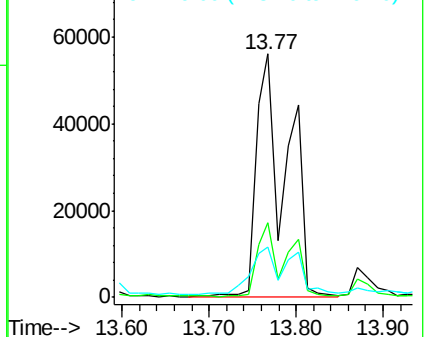
229 20.6 16.1 24.1



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: 2.21 ng

RT: 16.39 min Scan# 1251

Delta R.T. -0.11 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

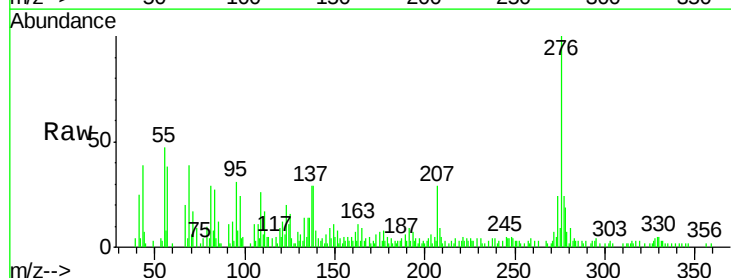
Tgt Ion: 276 Resp: 33313

Ion Ratio Lower Upper

276 100

138 24.3 20.6 30.8

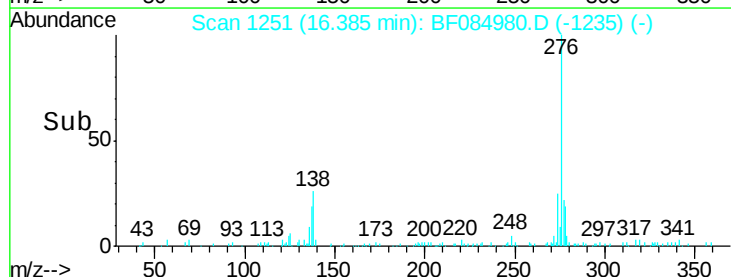
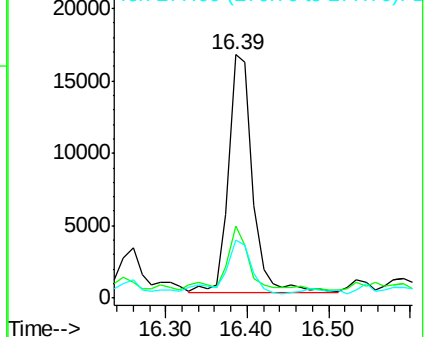
277 24.7 20.1 30.1

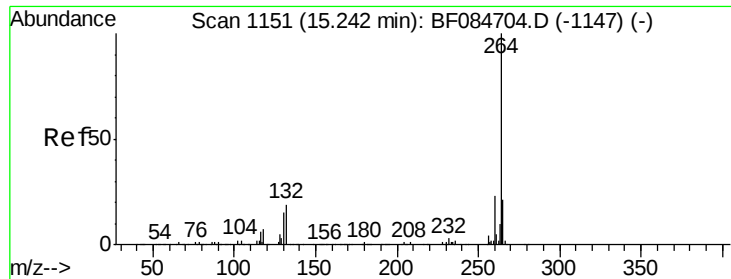


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

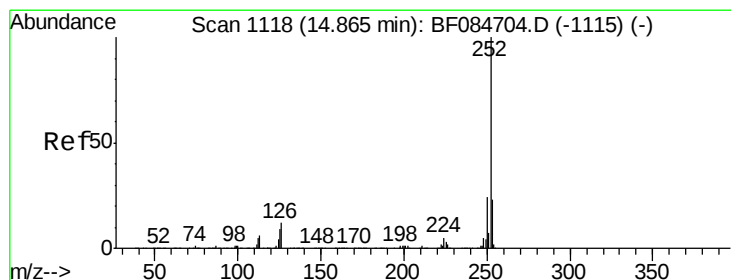
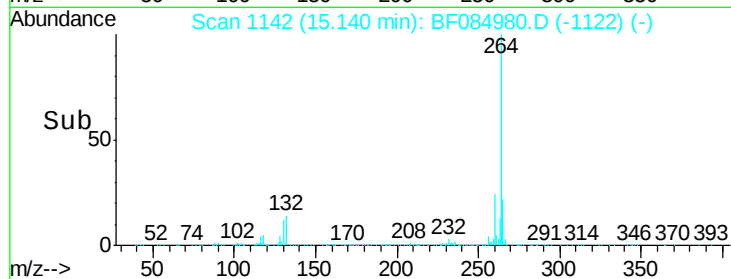
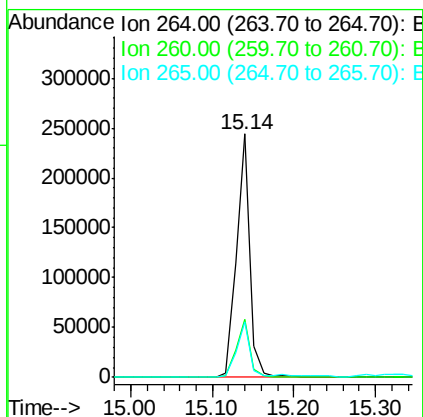
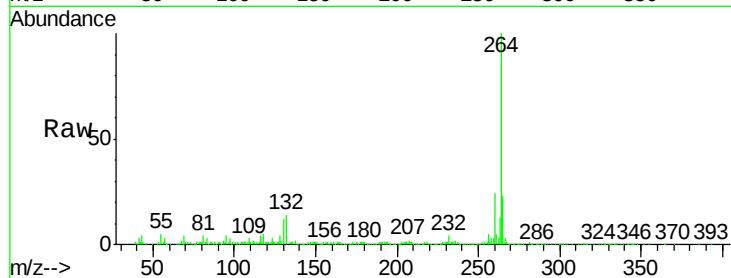




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.07 min
Lab File: BF084980.D
Acq: 10 Feb 2016 4:18

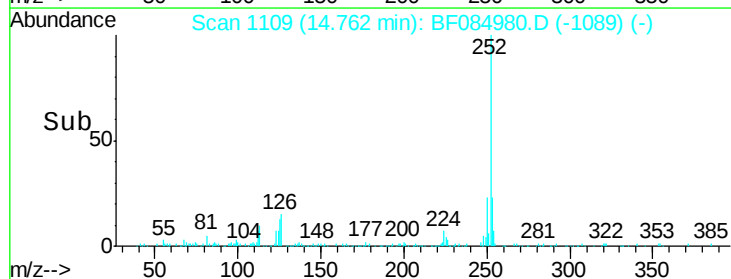
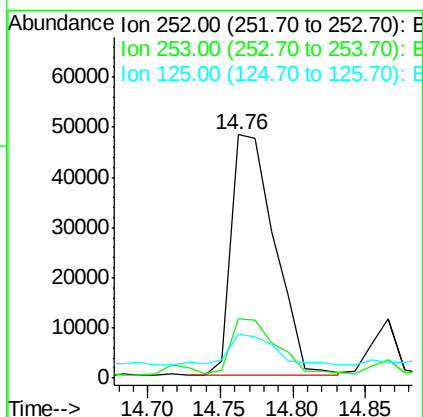
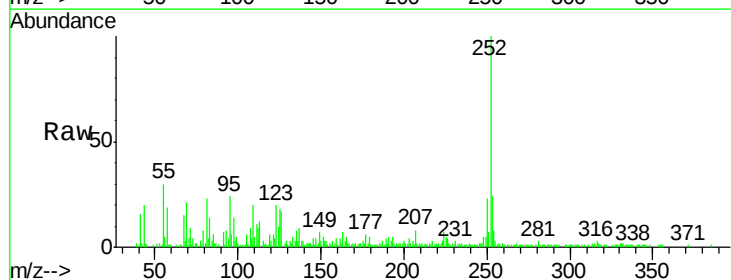
Instrument :
BNA_F
ClientSampleId :
WC-2

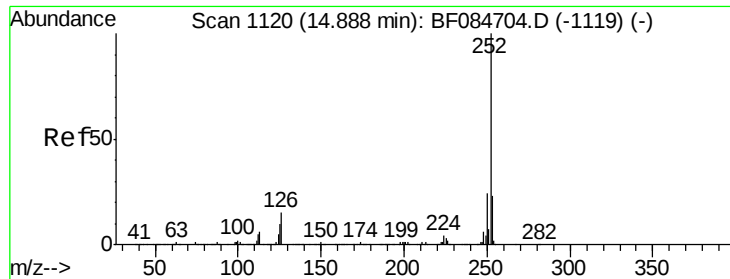
Tgt Ion: 264 Resp: 279444
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 22.6 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 5.29 ng
RT: 14.76 min Scan# 1109
Delta R.T. -0.07 min
Lab File: BF084980.D
Acq: 10 Feb 2016 4:18

Tgt Ion: 252 Resp: 99289
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 17.9 6.5 9.7#

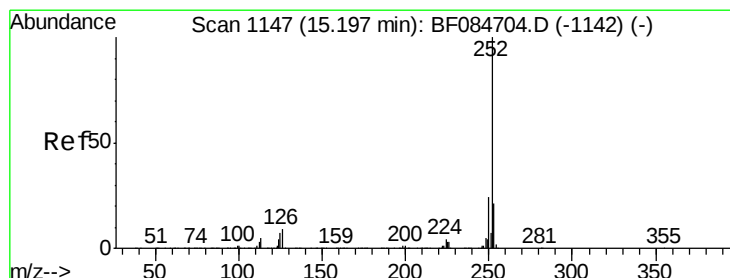
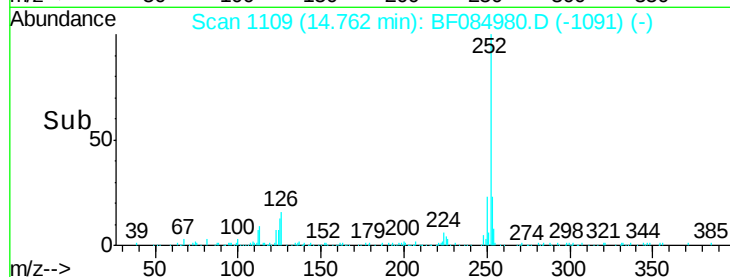
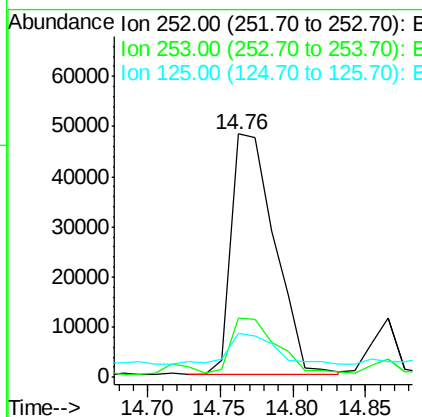
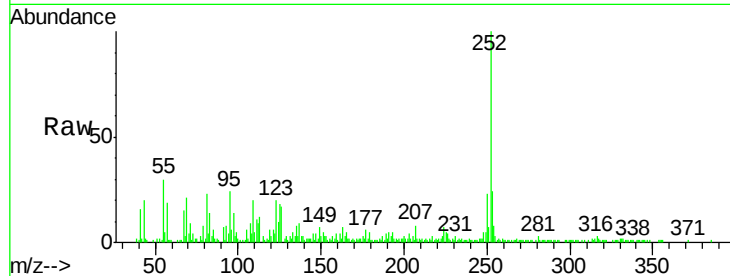




#88
Benzo(k)fluoranthene
Concen: 6.40 ng
RT: 14.76 min Scan# 1109
Delta R.T. -0.09 min
Lab File: BF084980.D
Acq: 10 Feb 2016 4:18

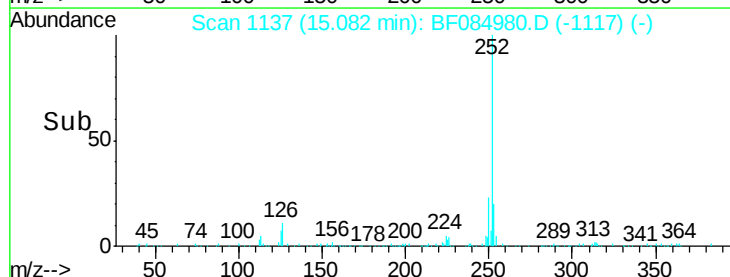
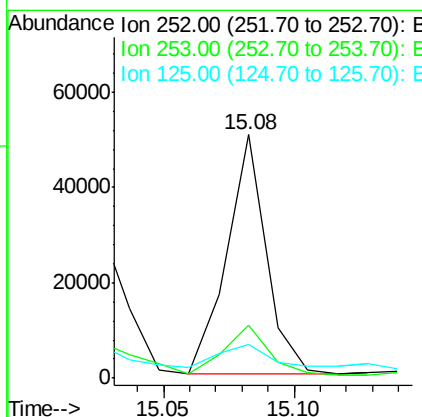
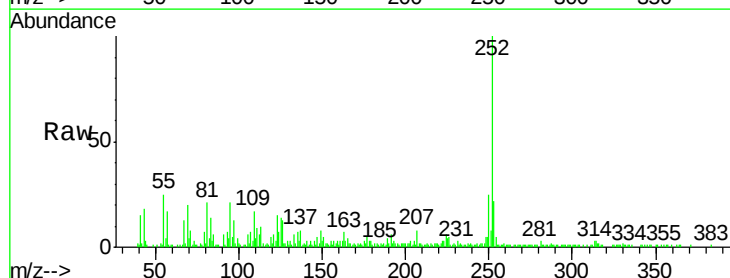
Instrument :
BNA_F
ClientSampleId :
WC-2

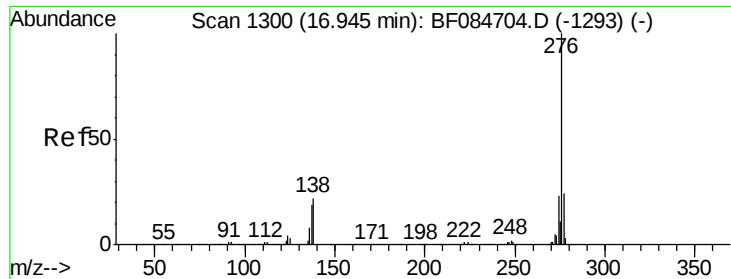
Tgt Ion:252 Resp: 99289
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 17.9 9.0 13.6#



#89
Benzo(a)pyrene
Concen: 3.33 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.07 min
Lab File: BF084980.D
Acq: 10 Feb 2016 4:18

Tgt Ion:252 Resp: 53194
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 13.6 7.0 10.4#





#91

Benzo(g,h,i)perylene

Concen: 2.35 ng

RT: 16.76 min Scan# 1284

Delta R.T. -0.13 min

Lab File: BF084980.D

Acq: 10 Feb 2016 4:18

Instrument :

BNA_F

ClientSampleId :

WC-2

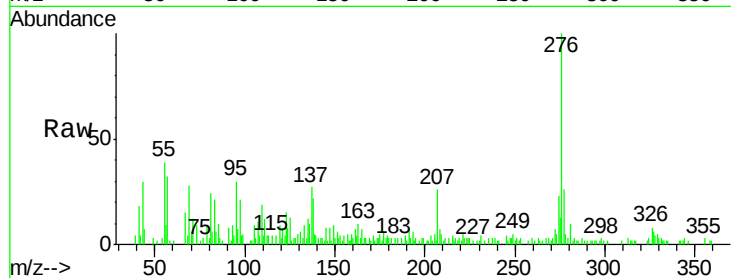
Tgt Ion: 276 Resp: 31882

Ion Ratio Lower Upper

276 100

277 26.3 18.8 28.2

138 22.1 17.8 26.6



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

