

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083654.D
 Acq On : 9 Dec 2015 22:31
 Operator : UM/IZ
 Sample : G4585-03DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)DL

Quant Time: Dec 10 00:40:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

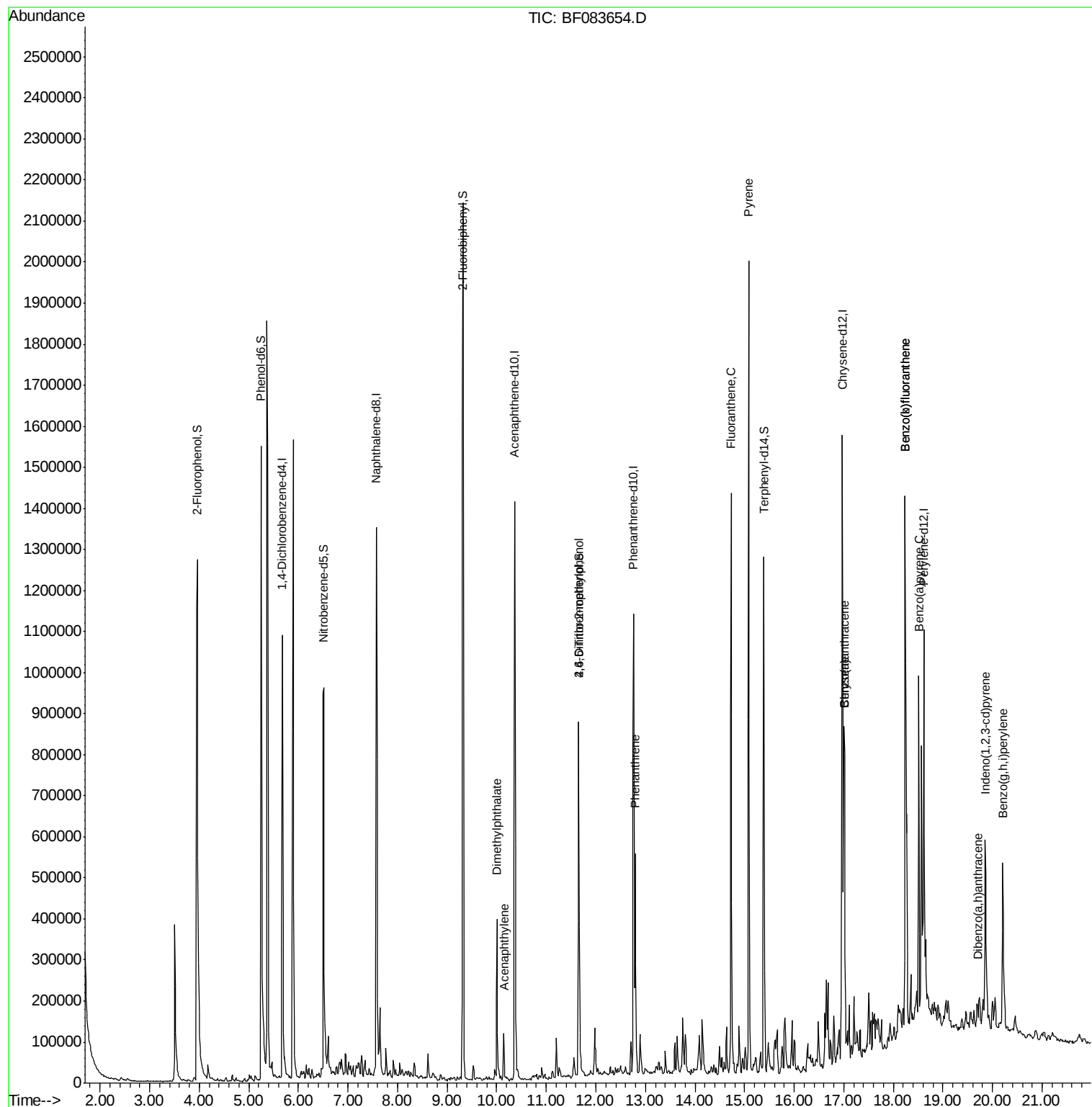
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	219733	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	827003	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	380558	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	599542	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	485589	20.00	ng	-0.02
86) Perylene-d12	18.61	264	410862	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	735481	50.77	ng	-0.01
7) Phenol-d6	5.24	99	1035246	53.48	ng	-0.03
23) Nitrobenzene-d5	6.51	82	631148	35.61	ng	-0.02
41) 2,4,6-Tribromophenol	11.65	330	139966	41.28	ng	-0.03
44) 2-Fluorobiphenyl	9.32	172	1007731	37.27	ng	-0.02
78) Terphenyl-d14	15.39	244	678858	32.89	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	10.14	152	92109	2.24	ng	98
49) Dimethylphthalate	10.01	163	222366	7.34	ng	99
64) 4,6-Dinitro-2-methylphenol	11.65	198	231	2.00	ng	# 1
70) Phenanthrene	12.80	178	311134	9.03	ng	100
74) Fluoranthene	14.73	202	858354	24.36	ng	99
77) Pyrene	15.08	202	1061726	30.37	ng	98
80) Benzo(a)anthracene	17.01	228	552047	19.42	ng	96
82) Chrysene	17.01	228	552781	19.40	ng	100
85) Indeno(1,2,3-cd)pyrene	19.85	276	329451	17.13	ng	# 100
87) Benzo(b)fluoranthene	18.24	252	925246	39.55	ng	# 98
88) Benzo(k)fluoranthene	18.24	252	925246	35.89	ng	97
89) Benzo(a)pyrene	18.51	252	400505	17.54	ng	98
90) Dibenzo(a,h)anthracene	19.70	278	46798	2.68	ng	95
91) Benzo(g,h,i)perylene	20.20	276	351598	20.66	ng	96

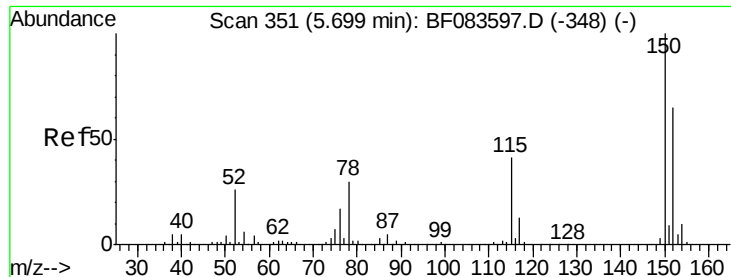
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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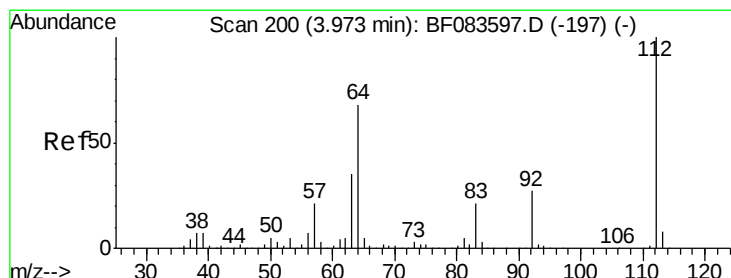
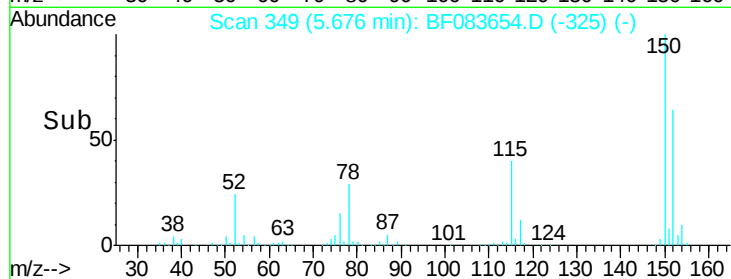
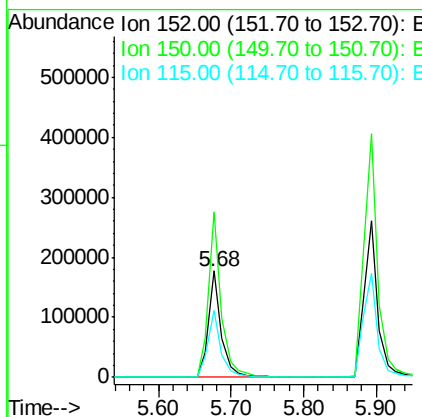
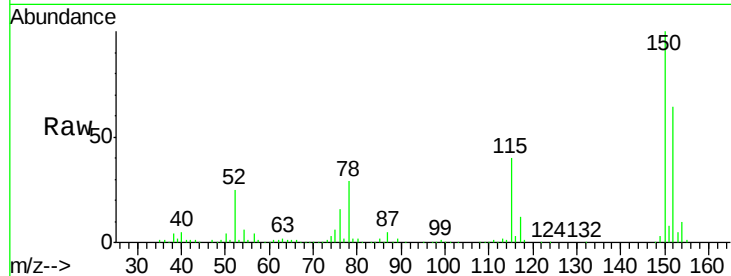




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.68 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: BF083654.D
 Acq: 9 Dec 2015 22:31

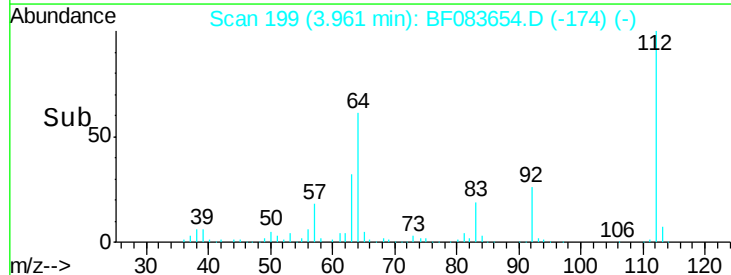
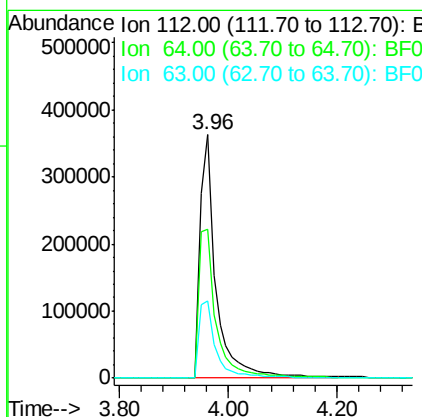
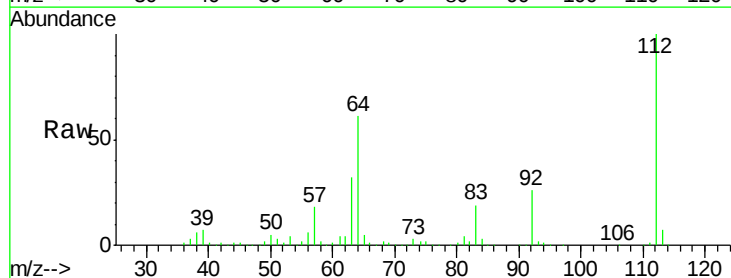
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)DL

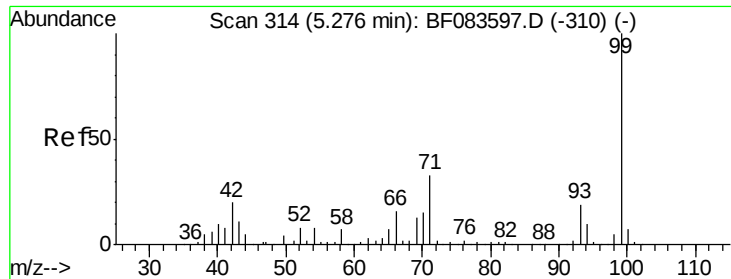
Tgt Ion:152 Resp: 219733
 Ion Ratio Lower Upper
 152 100
 150 156.1 126.5 189.7
 115 63.0 52.3 78.5



#5
 2-Fluorophenol
 Concen: 50.77 ng
 RT: 3.96 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: BF083654.D
 Acq: 9 Dec 2015 22:31

Tgt Ion:112 Resp: 735481
 Ion Ratio Lower Upper
 112 100
 64 61.4 50.5 75.7
 63 31.8 25.8 38.6





#7

Phenol-d6

Concen: 53.48 ng

RT: 5.24 min Scan# 311

Delta R.T. -0.03 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)DL

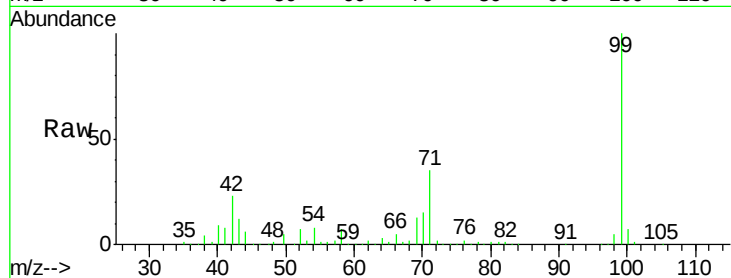
Tgt Ion: 99 Resp: 1035246

Ion Ratio Lower Upper

99 100

42 22.7 17.3 25.9

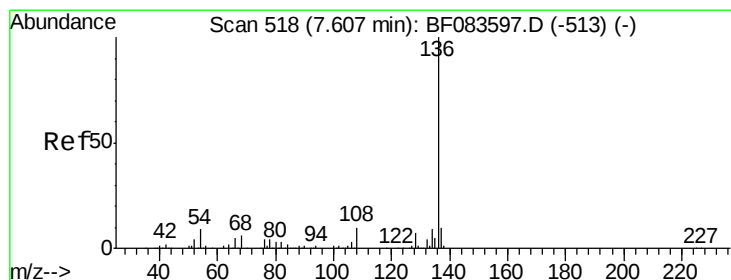
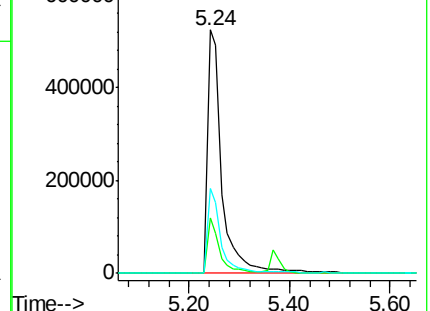
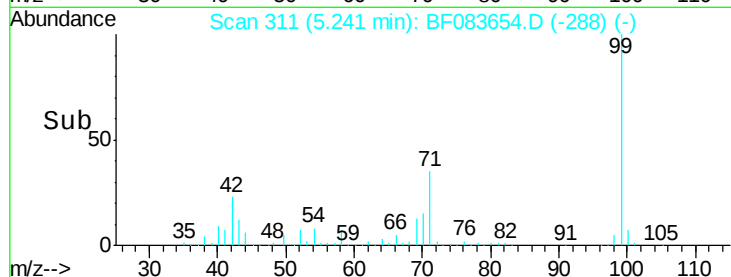
71 34.7 26.6 40.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

Tgt Ion: 136 Resp: 827003

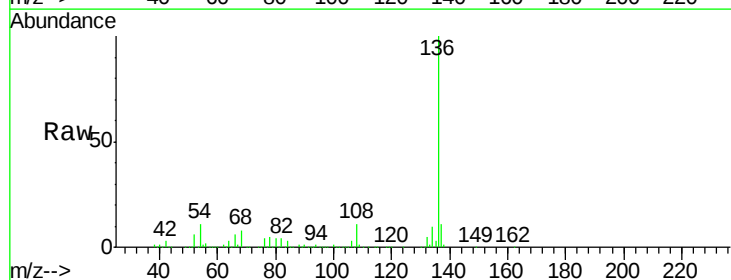
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 11.4 7.8 11.6

68 8.0 5.7 8.5

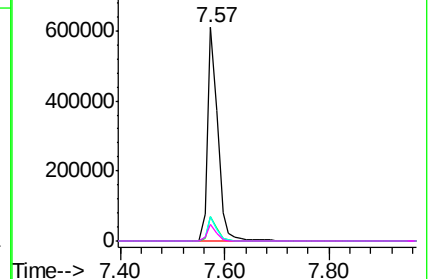
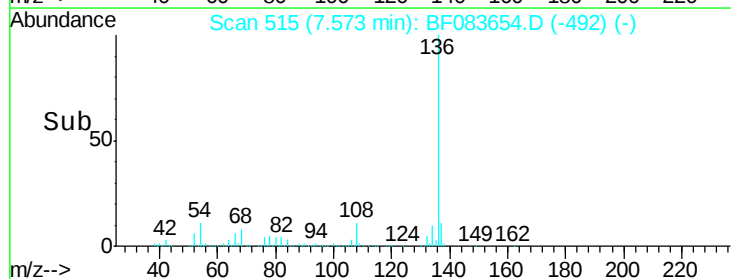


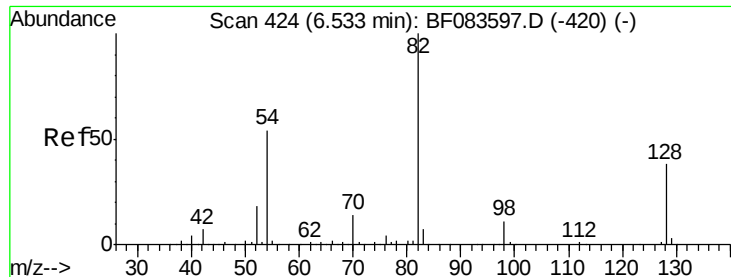
Abundance Ion 136.00 (135.70 to 136.70): E

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

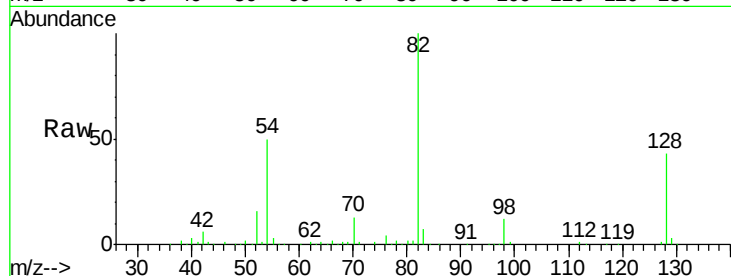




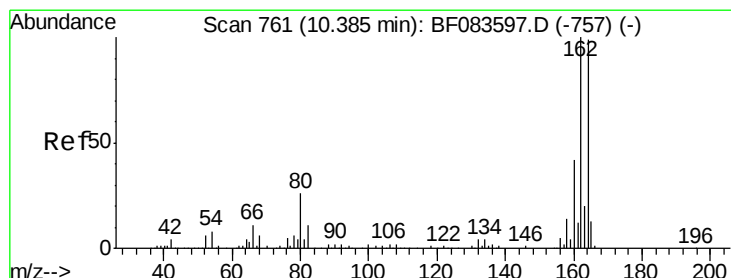
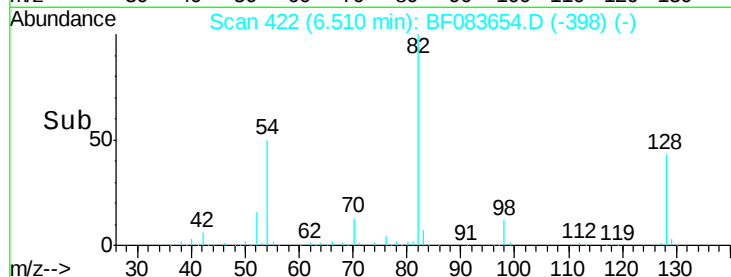
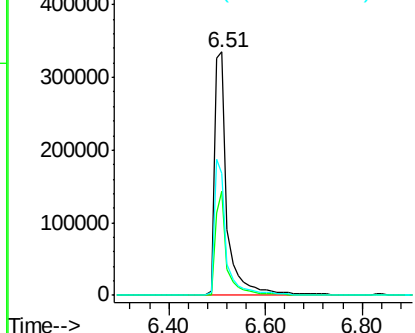
#23
 Nitrobenzene-d5
 Concen: 35.61 ng
 RT: 6.51 min Scan# 422
 Delta R.T. -0.02 min
 Lab File: BF083654.D
 Acq: 9 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)DL

Tgt Ion: 82 Resp: 631148
 Ion Ratio Lower Upper
 82 100
 128 43.0 30.7 46.1
 54 50.3 42.5 63.7

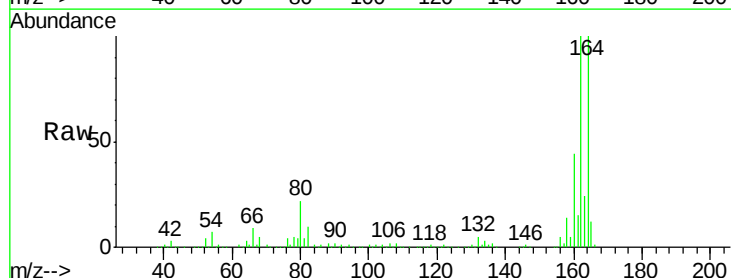


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

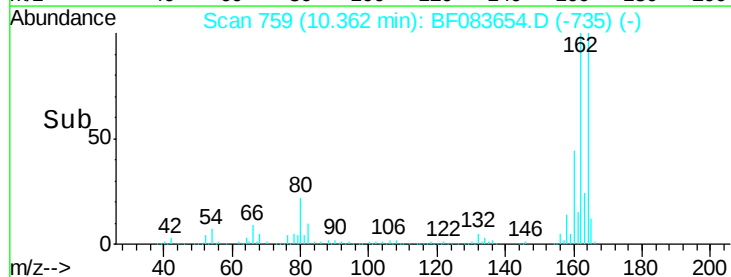
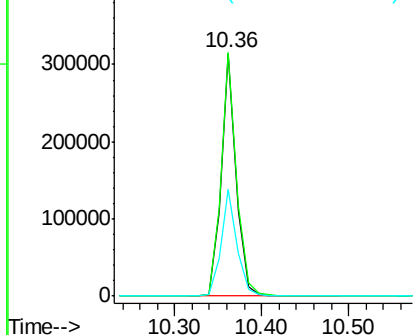


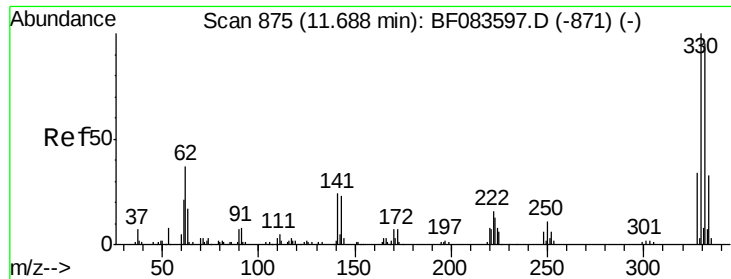
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083654.D
 Acq: 9 Dec 2015 22:31

Tgt Ion: 164 Resp: 380558
 Ion Ratio Lower Upper
 164 100
 162 100.4 78.8 118.2
 160 43.8 33.4 50.2



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

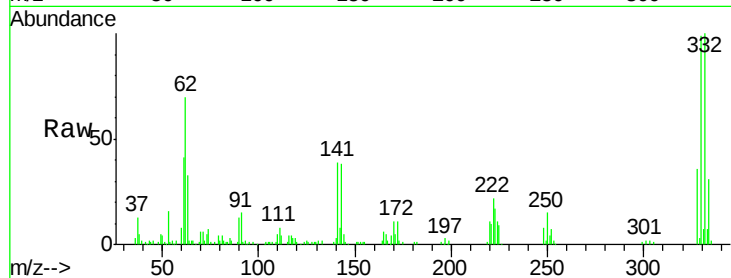




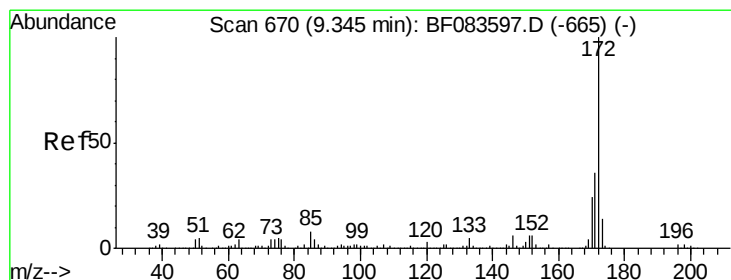
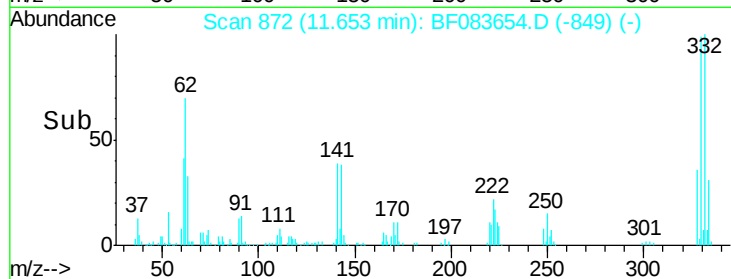
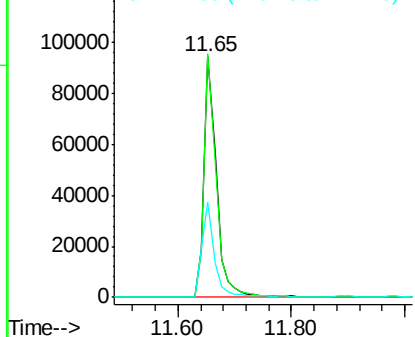
#41
 2,4,6-Tribromophenol
 Concen: 41.28 ng
 RT: 11.65 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: BF083654.D
 Acq: 9 Dec 2015 22:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)DL

Tgt Ion:330 Resp: 139966
 Ion Ratio Lower Upper
 330 100
 332 97.2 0.0 0.0#
 141 40.3 0.0 0.0#

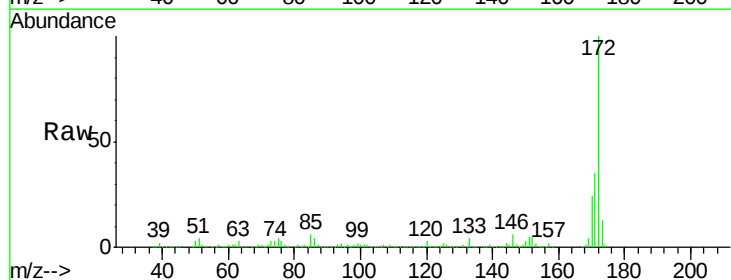


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

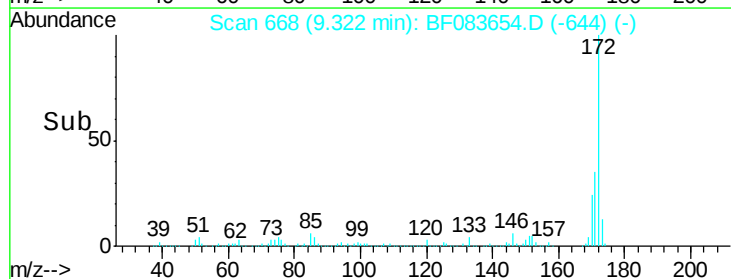
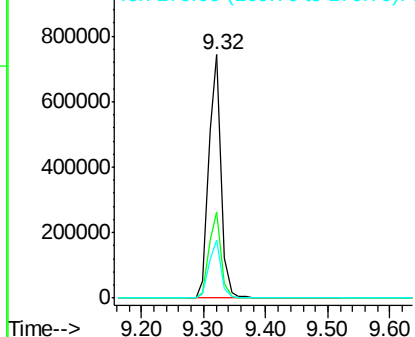


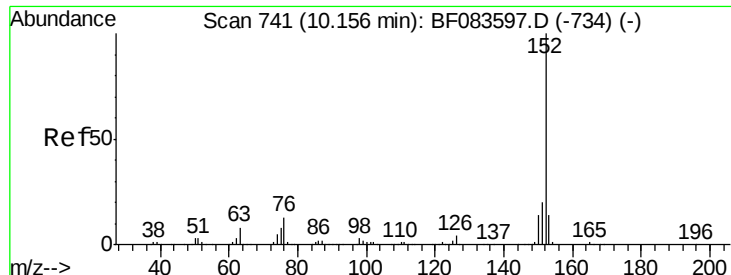
#44
 2-Fluorobiphenyl
 Concen: 37.27 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083654.D
 Acq: 9 Dec 2015 22:31

Tgt Ion:172 Resp: 1007731
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.8 19.4 29.0



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





#48

Acenaphthylene

Concen: 2.24 ng

RT: 10.14 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)DL

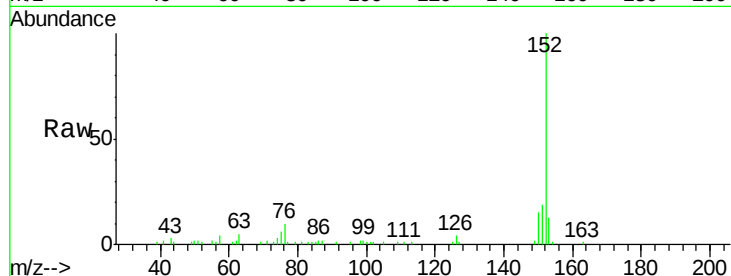
Tgt Ion:152 Resp: 92109

Ion Ratio Lower Upper

152 100

151 19.5 16.3 24.5

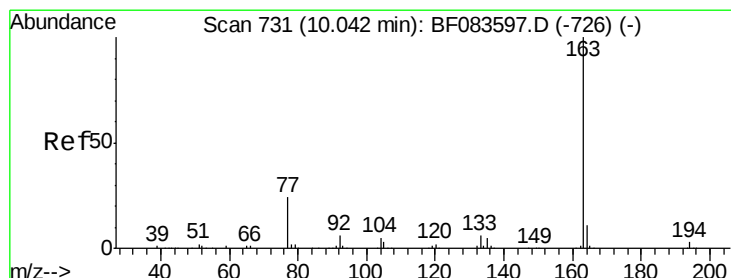
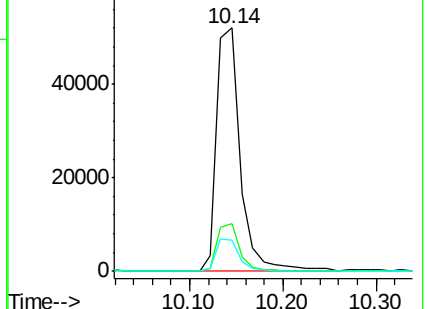
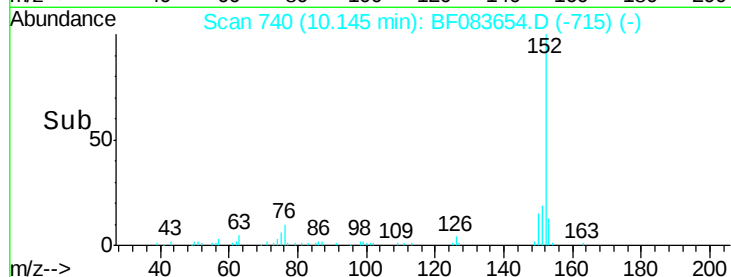
153 12.8 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.34 ng

RT: 10.01 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

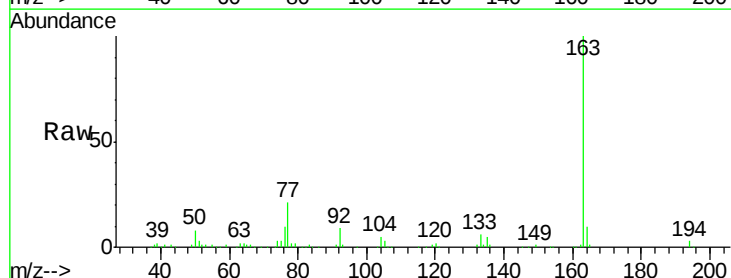
Tgt Ion:163 Resp: 222366

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

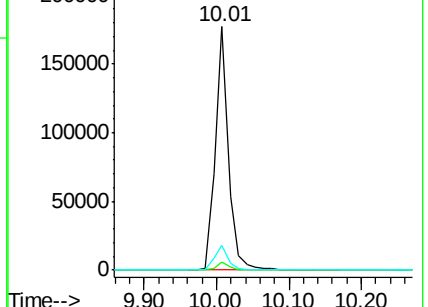
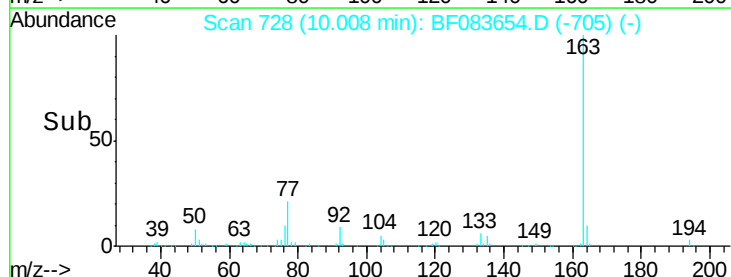
164 10.2 8.6 13.0

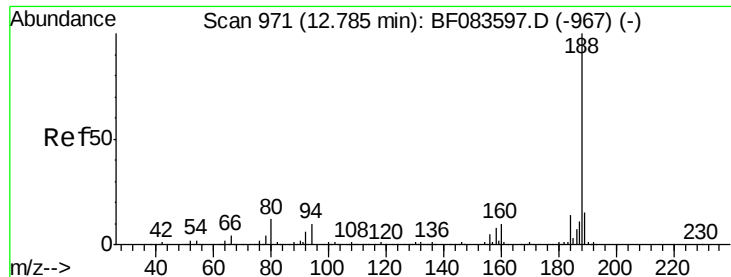


Abundance Ion 163.00 (162.70 to 163.70): E

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: 12.76 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

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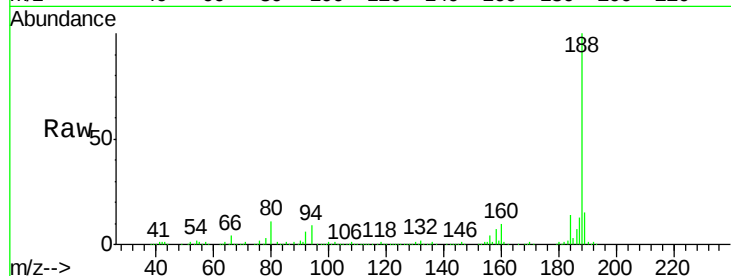
Tgt Ion:188 Resp: 599542

Ion Ratio Lower Upper

188 100

94 9.4 9.4 14.2#

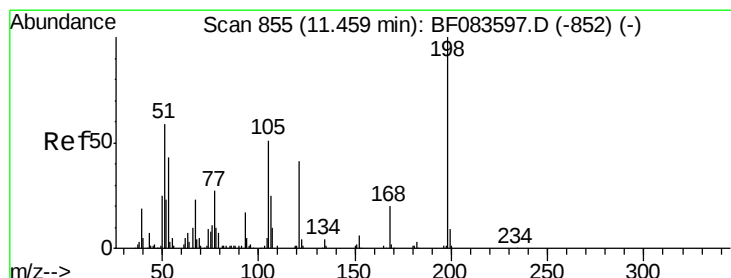
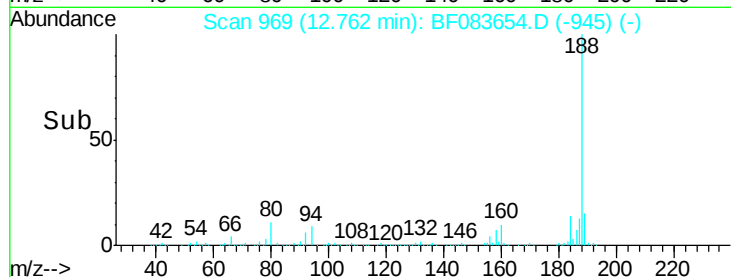
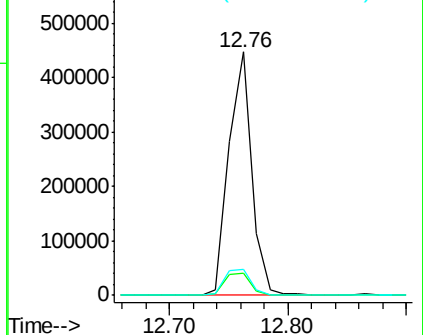
80 10.8 10.6 16.0



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



#64

4,6-Dinitro-2-methylphenol

Concen: 2.00 ng

RT: 11.65 min Scan# 872

Delta R.T. 0.19 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

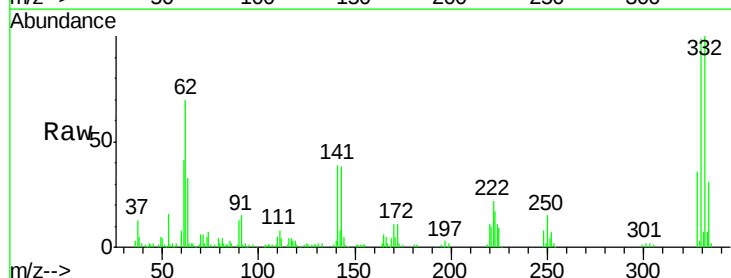
Tgt Ion:198 Resp: 231

Ion Ratio Lower Upper

198 100

51 371.2 53.8 93.8#

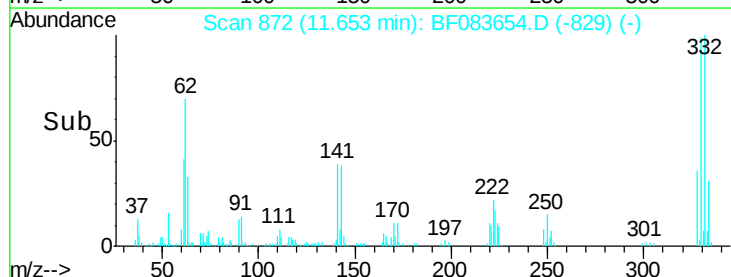
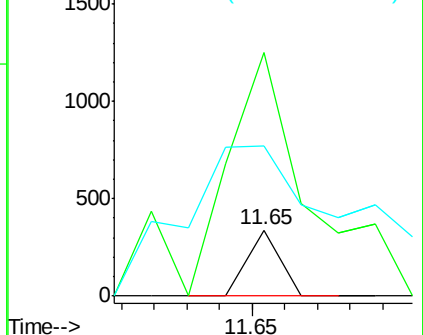
105 227.9 38.6 78.6#

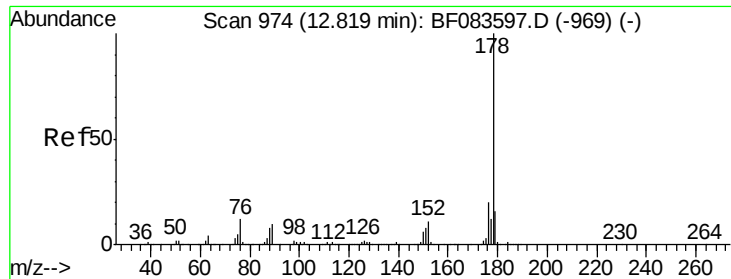


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 9.03 ng

RT: 12.80 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

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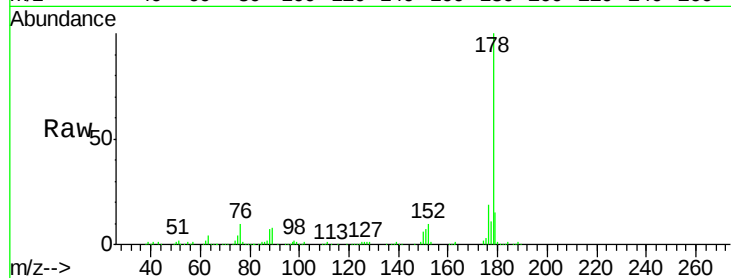
Tgt Ion:178 Resp: 311134

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

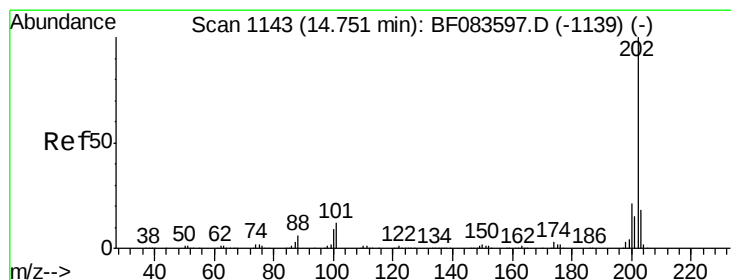
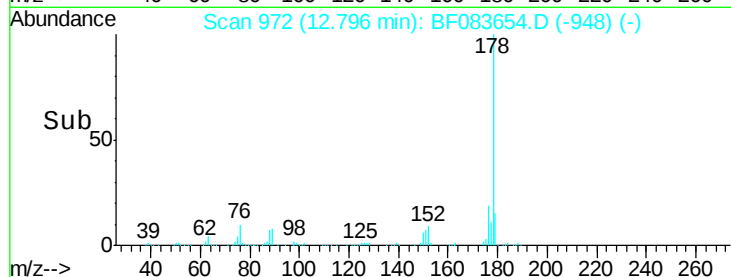
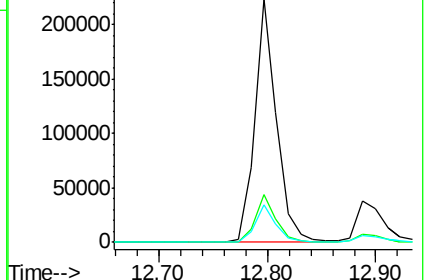
179 15.4 12.2 18.4



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



#74

Fluoranthene

Concen: 24.36 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

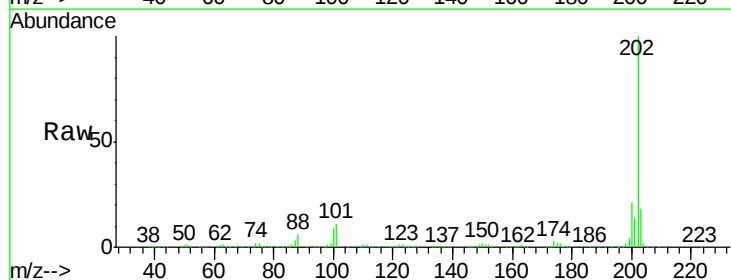
Tgt Ion:202 Resp: 858354

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.5

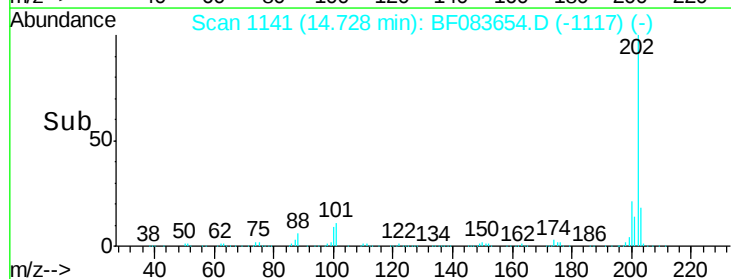
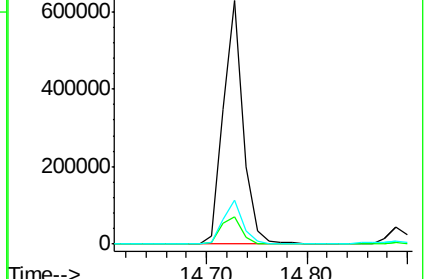
203 18.0 0.0 37.6

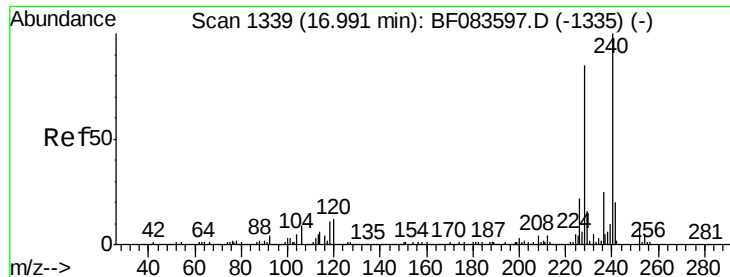


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.97 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)DL

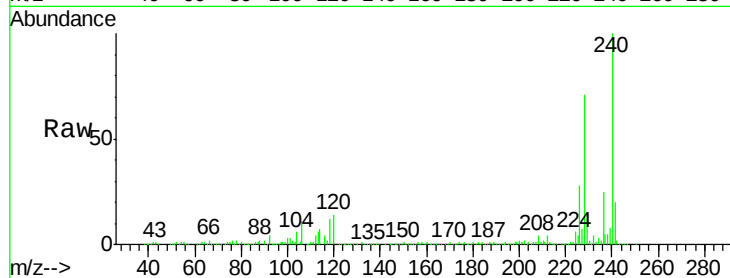
Tgt Ion:240 Resp: 485589

Ion Ratio Lower Upper

240 100

120 13.7 8.1 12.1#

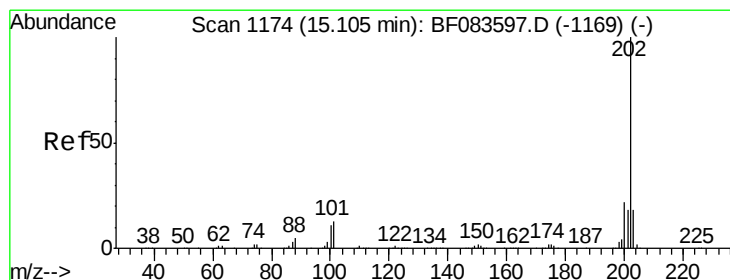
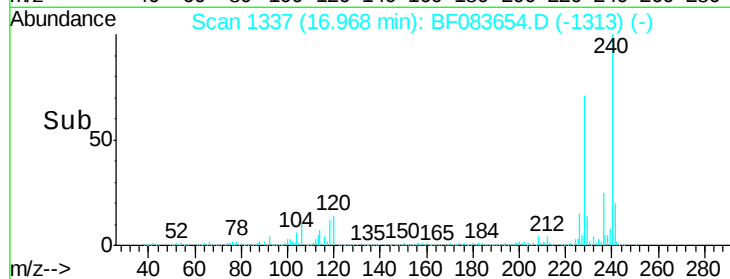
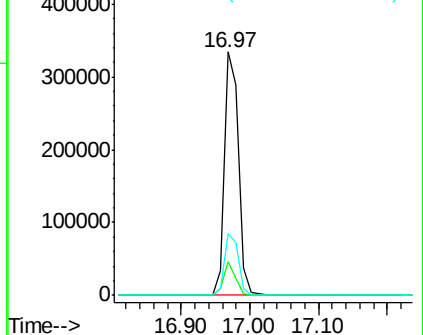
236 25.2 20.8 31.2



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: 30.37 ng

RT: 15.08 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

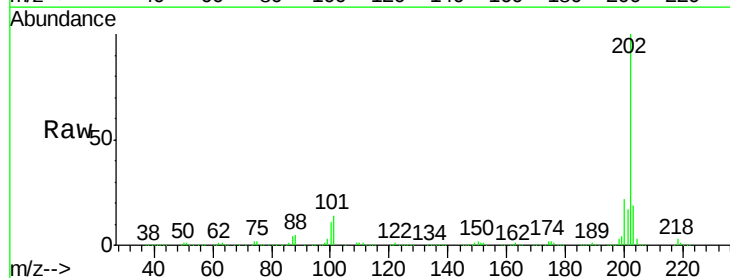
Tgt Ion:202 Resp: 1061726

Ion Ratio Lower Upper

202 100

200 21.5 16.7 25.1

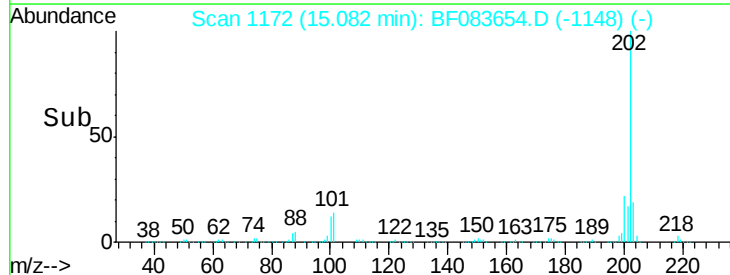
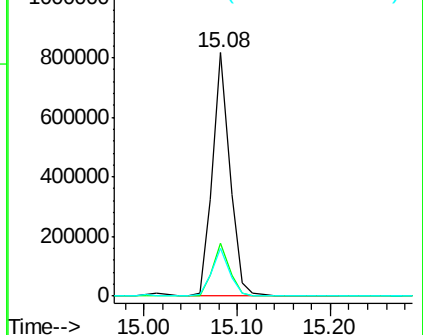
203 19.4 14.3 21.5

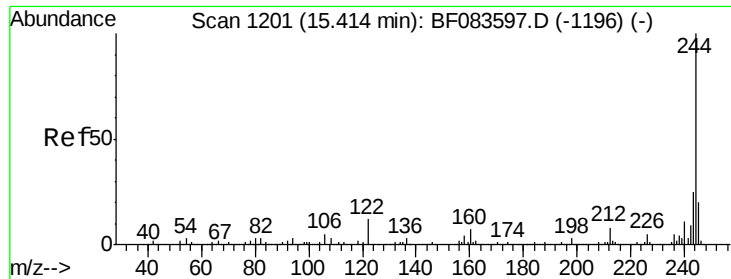


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 32.89 ng

RT: 15.39 min Scan# 1199

Delta R.T. -0.02 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)DL

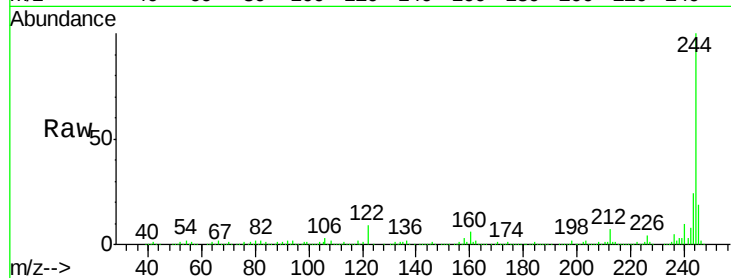
Tgt Ion:244 Resp: 678858

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

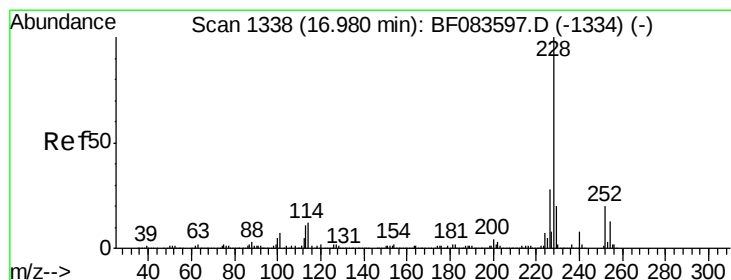
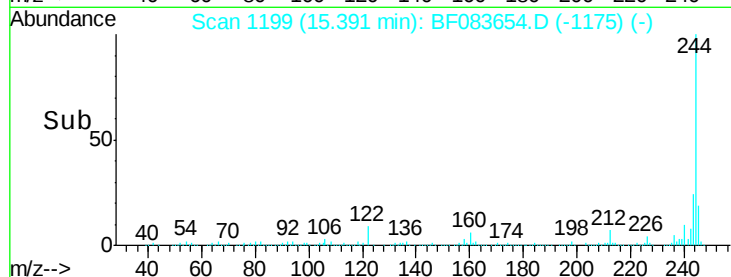
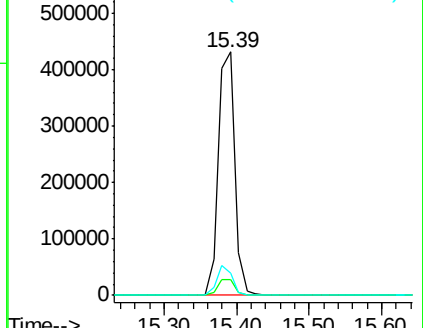
122 9.2 11.0 16.6#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 19.42 ng

RT: 17.01 min Scan# 1341

Delta R.T. 0.03 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

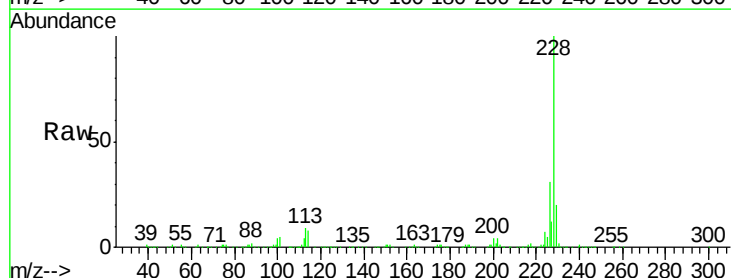
Tgt Ion:228 Resp: 552047

Ion Ratio Lower Upper

228 100

226 31.2 22.3 33.5

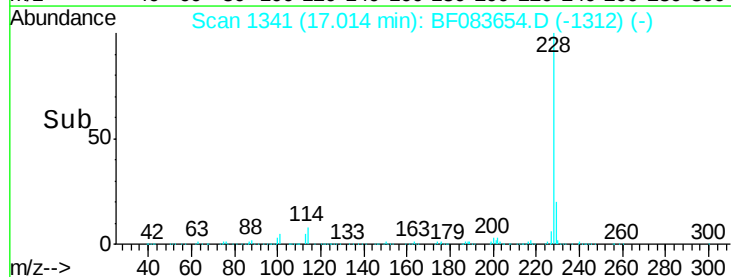
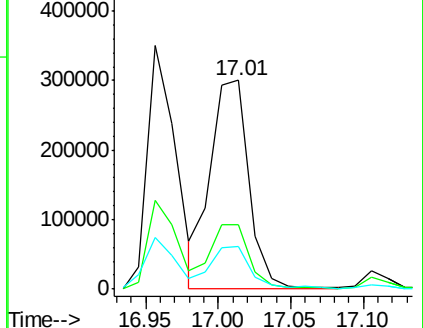
229 20.2 15.7 23.5

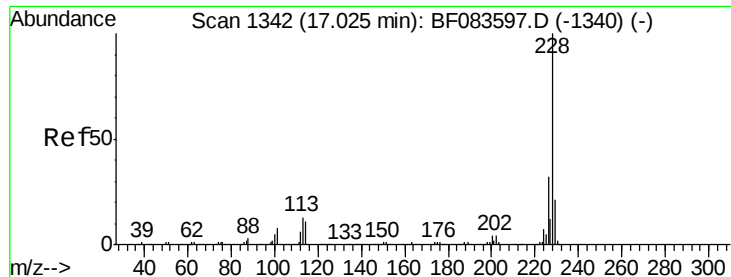


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 19.40 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)DL

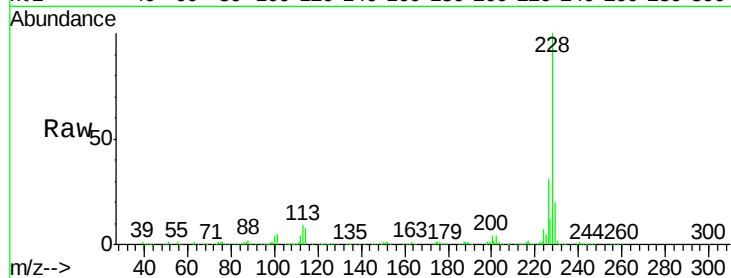
Tgt Ion:228 Resp: 552781

Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

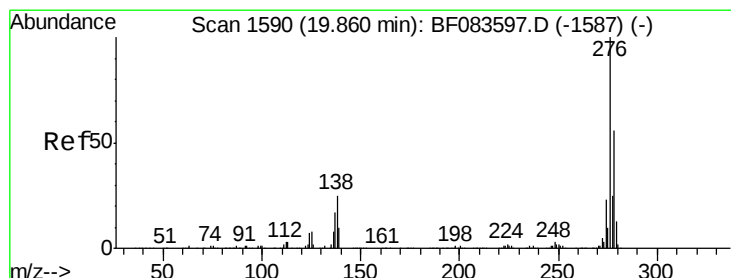
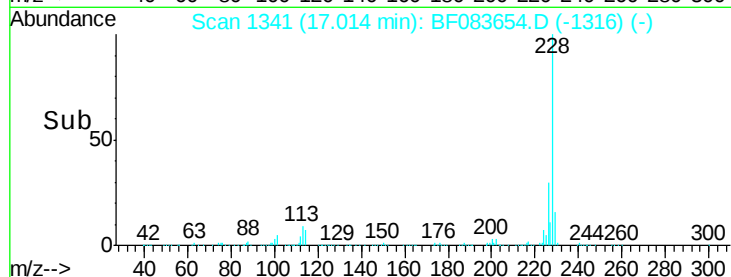
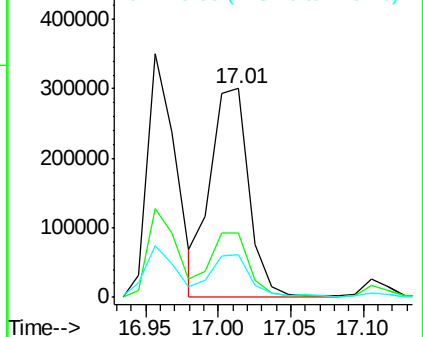
229 20.2 16.3 24.5



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: 17.13 ng

RT: 19.85 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

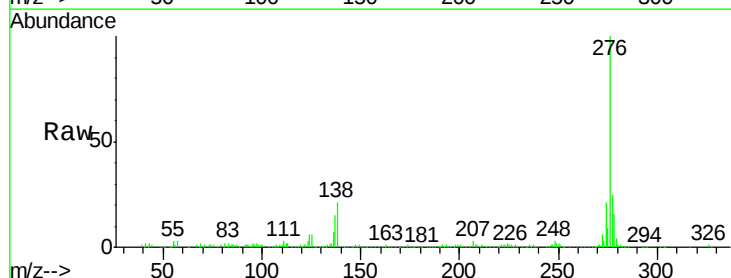
Tgt Ion:276 Resp: 329451

Ion Ratio Lower Upper

276 100

138 22.8 0.0 0.0#

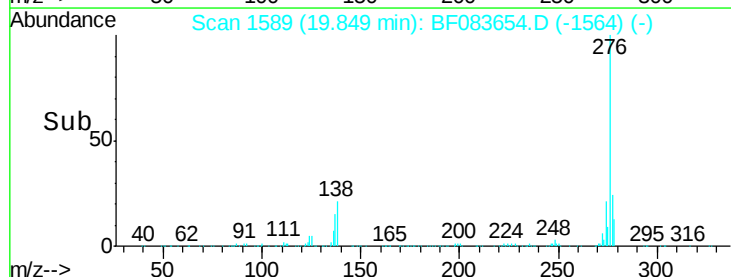
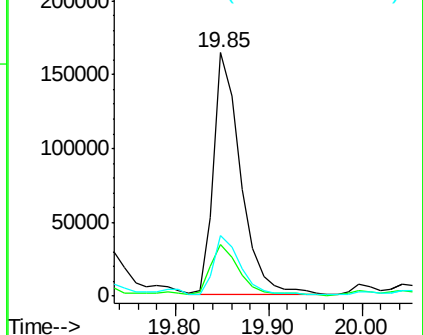
277 24.4 0.0 0.0#

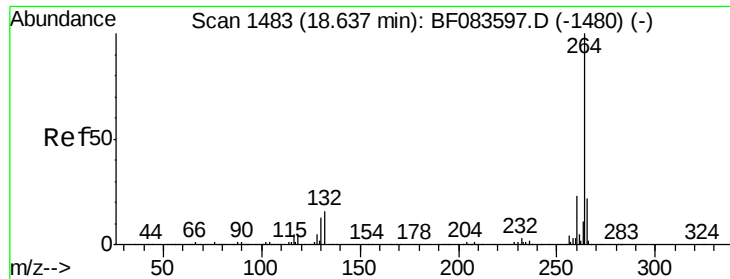


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

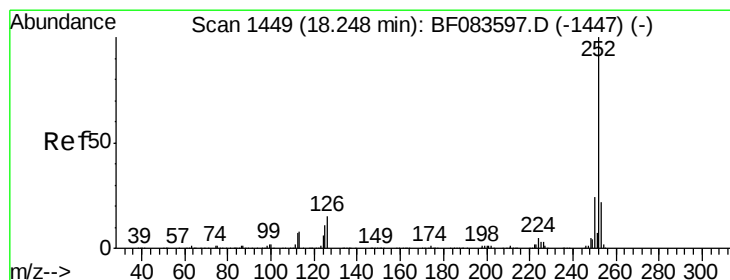
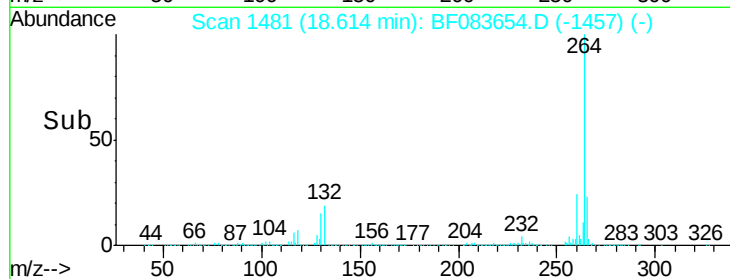
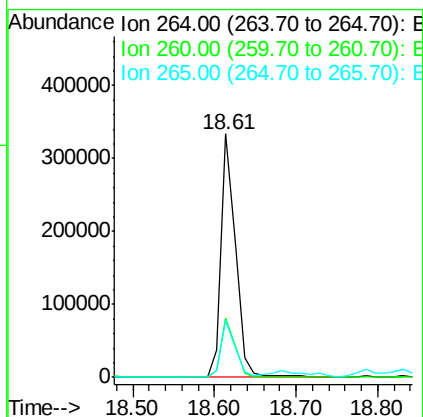
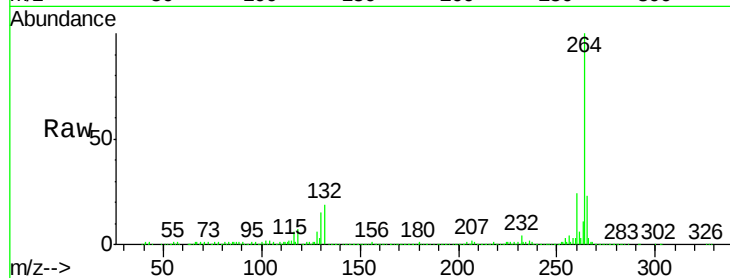




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083654.D
Acq: 9 Dec 2015 22:31

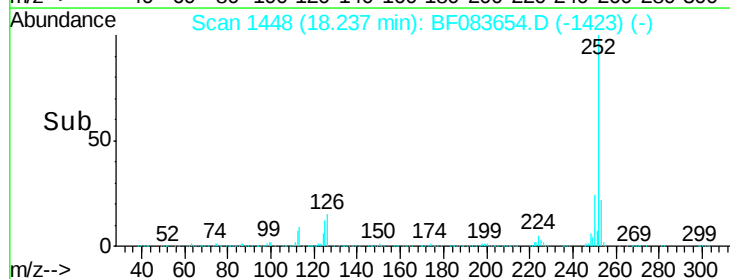
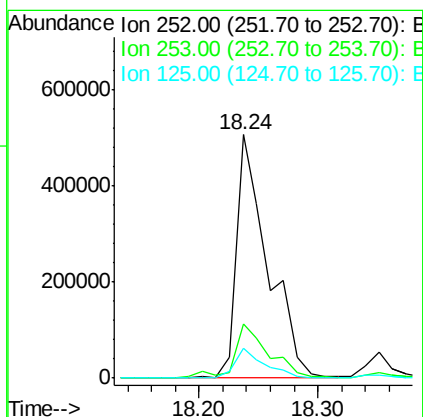
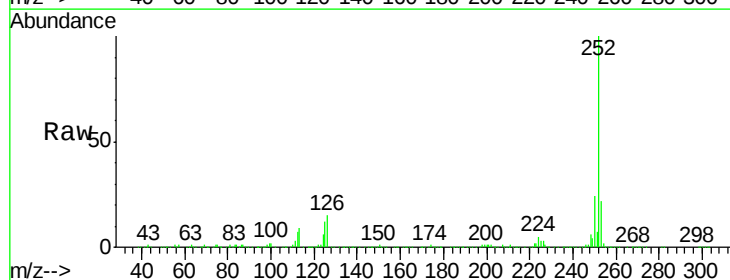
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)DL

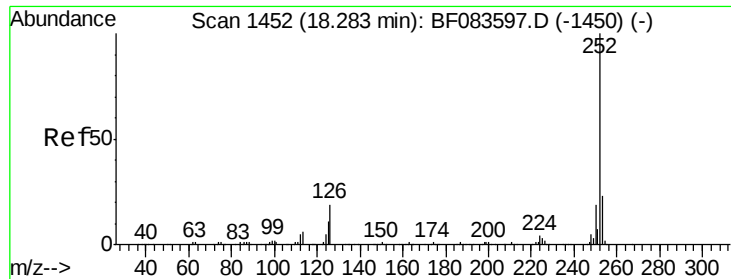
Tgt Ion:264 Resp: 410862
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.0
265 23.1 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 39.55 ng
RT: 18.24 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF083654.D
Acq: 9 Dec 2015 22:31

Tgt Ion:252 Resp: 925246
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 12.5 8.2 12.4#

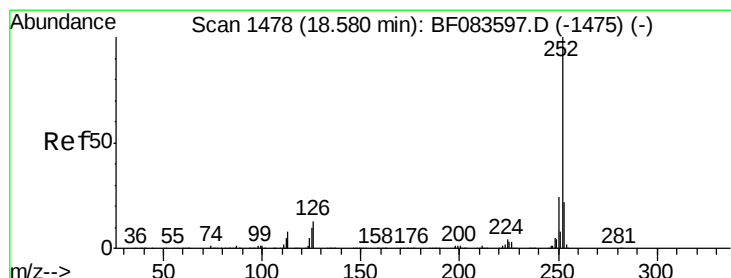
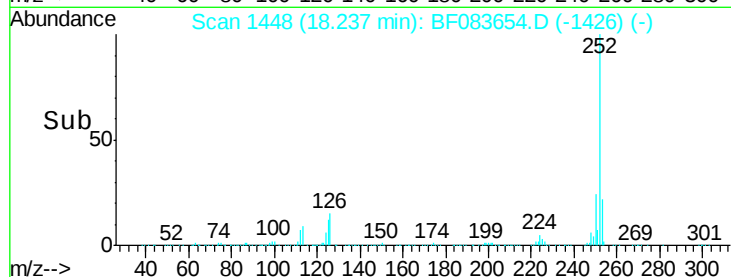
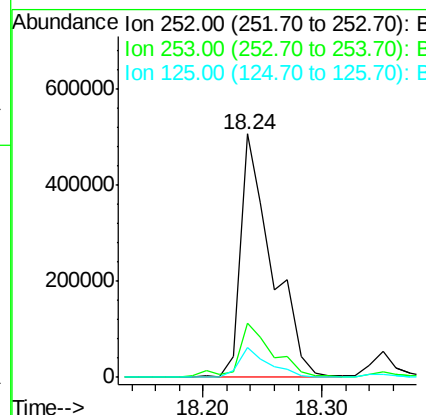
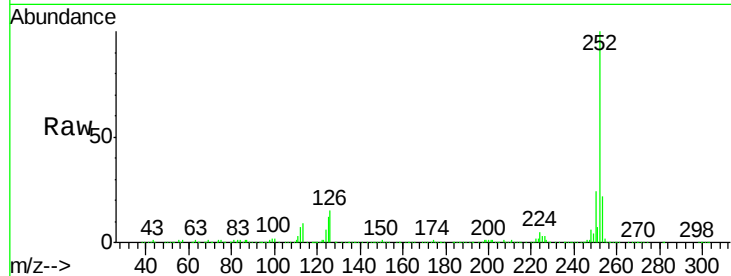




#88
Benzo(k)fluoranthene
Concen: 35.89 ng
RT: 18.24 min Scan# 1448
Delta R.T. -0.05 min
Lab File: BF083654.D
Acq: 9 Dec 2015 22:31

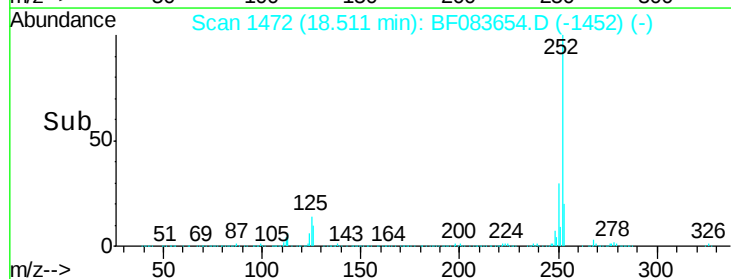
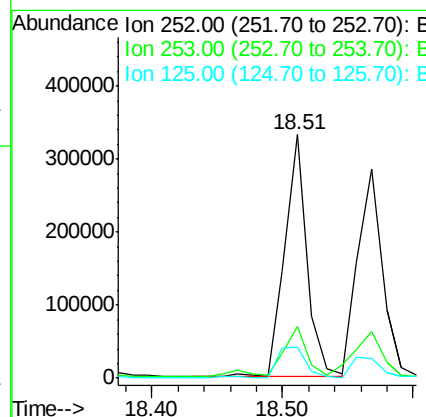
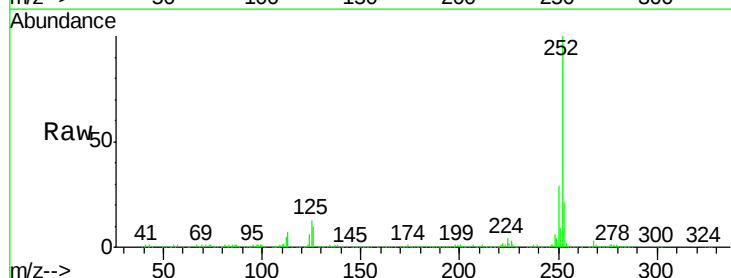
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)DL

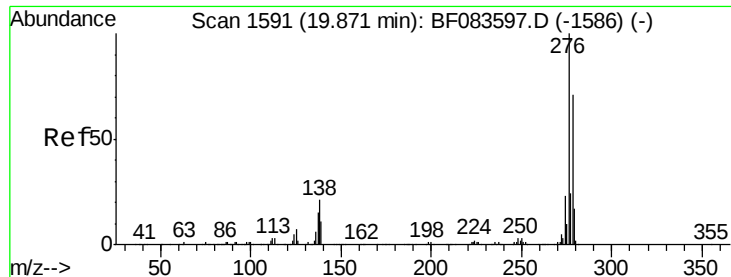
Tgt Ion:252 Resp: 925246
Ion Ratio Lower Upper
252 100
253 22.3 18.6 27.8
125 12.5 11.5 17.3



#89
Benzo(a)pyrene
Concen: 17.54 ng
RT: 18.51 min Scan# 1472
Delta R.T. -0.07 min
Lab File: BF083654.D
Acq: 9 Dec 2015 22:31

Tgt Ion:252 Resp: 400505
Ion Ratio Lower Upper
252 100
253 21.1 17.5 26.3
125 12.9 11.0 16.6





#90

Dibenzo(a,h)anthracene

Concen: 2.68 ng

RT: 19.70 min Scan# 1576

Delta R.T. -0.17 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)DL

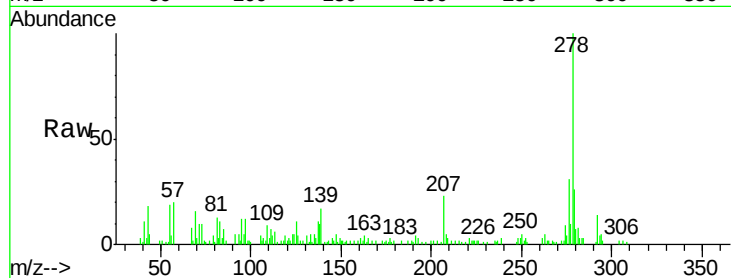
Tgt Ion: 278 Resp: 46798

Ion Ratio Lower Upper

278 100

139 17.1 12.8 19.2

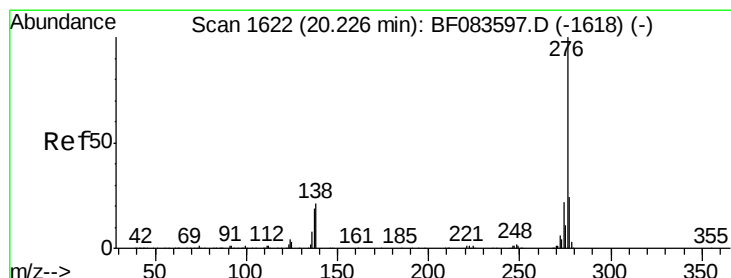
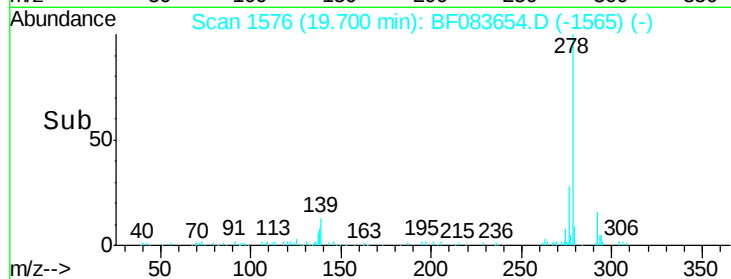
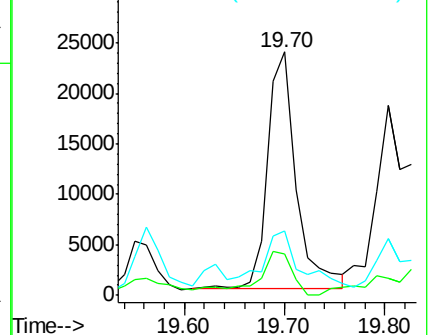
279 26.3 18.6 28.0



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: 20.66 ng

RT: 20.20 min Scan# 1620

Delta R.T. -0.02 min

Lab File: BF083654.D

Acq: 9 Dec 2015 22:31

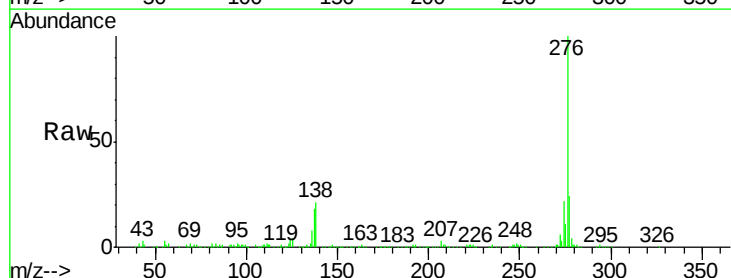
Tgt Ion: 276 Resp: 351598

Ion Ratio Lower Upper

276 100

277 24.3 19.2 28.8

138 20.7 19.5 29.3



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

