

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081583.D
 Acq On : 11 Sep 2015 00:37
 Operator : UM/IZ
 Sample : G3511-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

Quant Time: Sep 11 07:34:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 11 00:38:02 2015
 Response via : Initial Calibration

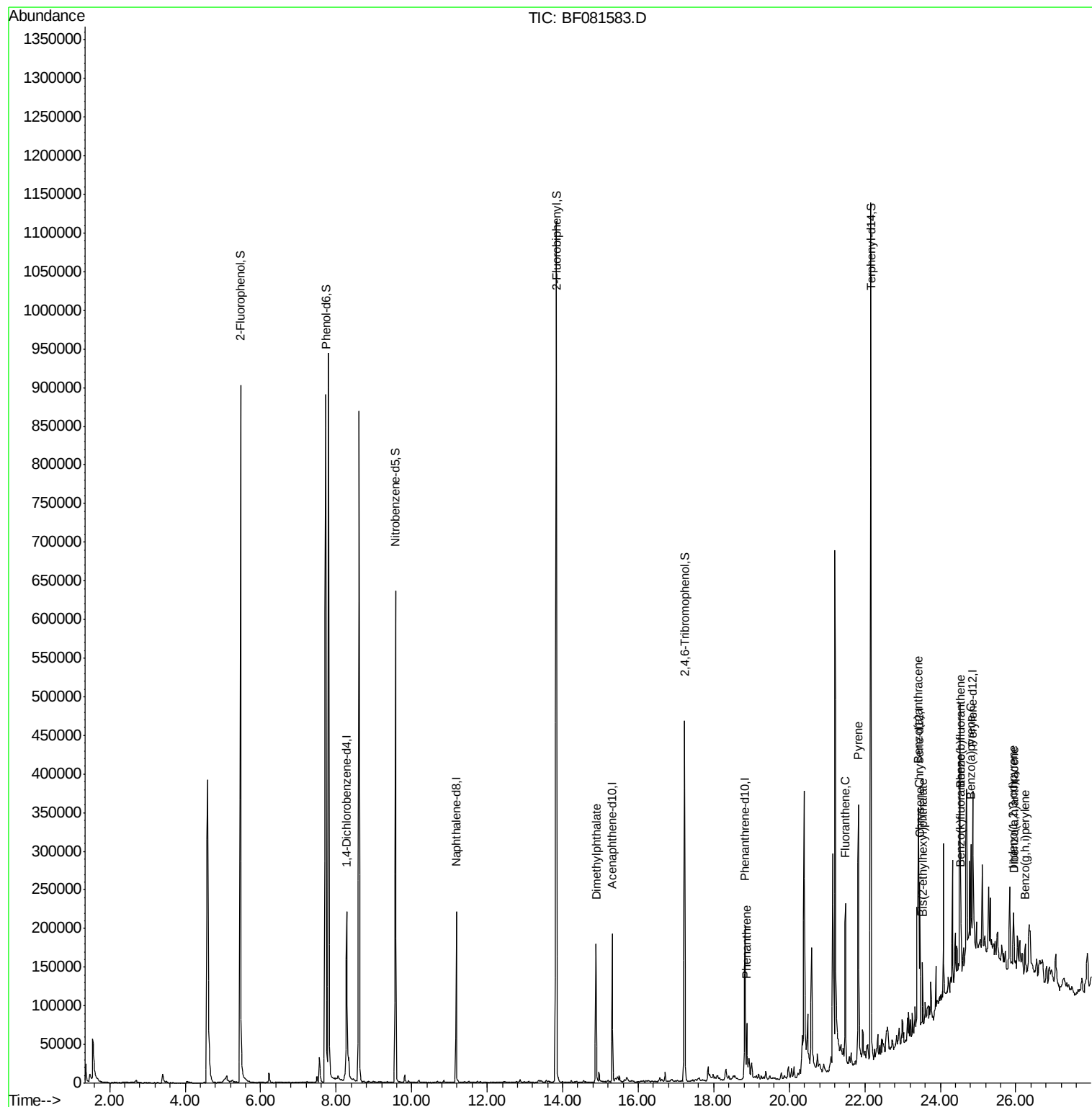
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	47086	20.00	ng	0.01
21) Naphthalene-d8	11.18	136	180275	20.00	ng	0.01
38) Acenaphthene-d10	15.32	164	73610	20.00	ng	0.01
63) Phenanthrene-d10	18.82	188	126268	20.00	ng	0.01
75) Chrysene-d12	23.43	240	93014	20.00	ng	0.01
86) Perylene-d12	24.86	264	56665	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	428825	141.30	ng	0.05
7) Phenol-d6	7.73	99	627170	156.12	ng	0.03
23) Nitrobenzene-d5	9.58	82	375706	100.55	ng	0.01
41) 2,4,6-Tribromophenol	17.22	330	78789	120.21	ng	0.01
44) 2-Fluorobiphenyl	13.83	172	647754	112.77	ng	0.01
78) Terphenyl-d14	22.16	244	443910	111.10	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.88	163	130670	22.85	ng	# 97
70) Phenanthrene	18.88	178	48846	6.96	ng	96
74) Fluoranthene	21.49	202	133136	17.52	ng	87
77) Pyrene	21.83	202	116645	16.93	ng	97
80) Benzo(a)anthracene	23.42	228	67062	11.32	ng	94
82) Chrysene	23.45	228	71219	13.41	ng	93
83) Bis(2-ethylhexyl)phthalate	23.53	149	15572	3.94	ng	# 90
85) Indeno(1,2,3-cd)pyrene	25.93	276	28597m	7.34	ng	
87) Benzo(b)fluoranthene	24.53	252	84556m	20.90	ng	
88) Benzo(k)fluoranthene	24.54	252	17822m	5.31	ng	
89) Benzo(a)pyrene	24.81	252	45908	13.39	ng	# 87
90) Dibenzo(a,h)anthracene	25.95	278	9779	3.69	ng	# 80
91) Benzo(g,h,i)perylene	26.25	276	30098	11.90	ng	# 71

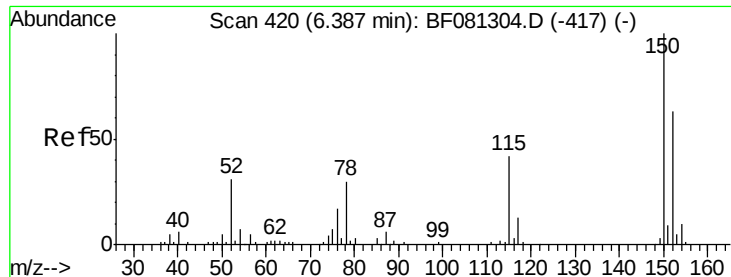
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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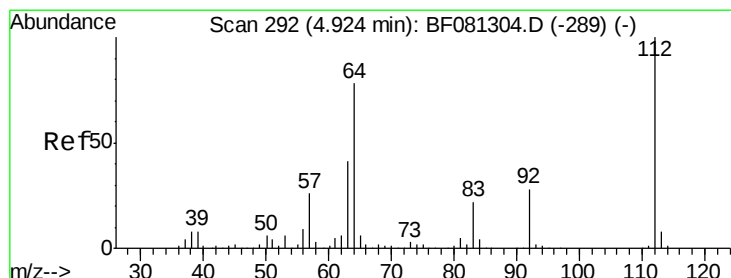
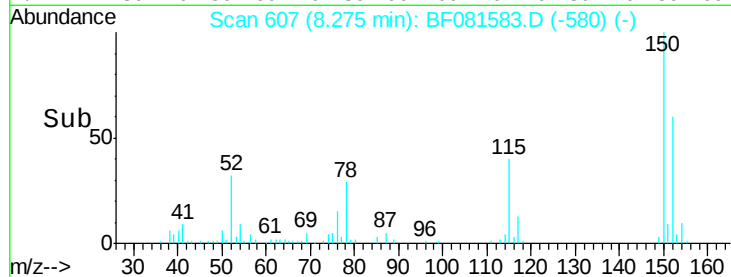
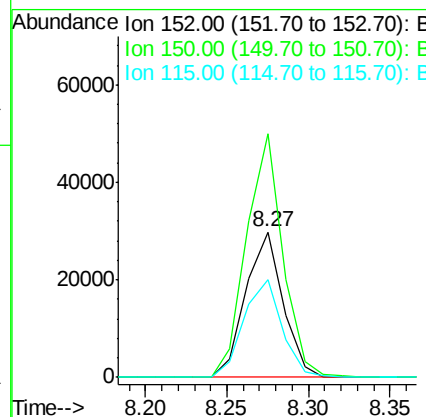
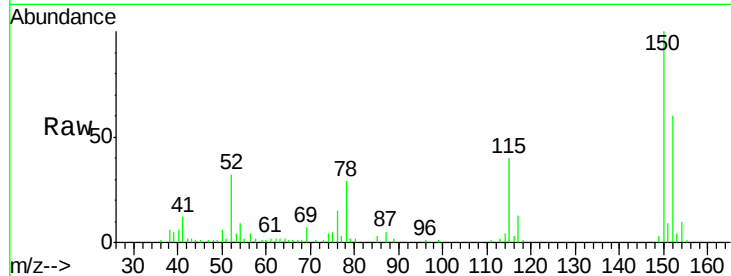


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF081583.D
Acq: 11 Sep 2015 00:37

Instrument :
BNA_F
ClientSampleId :
SB-05(0-0.16)

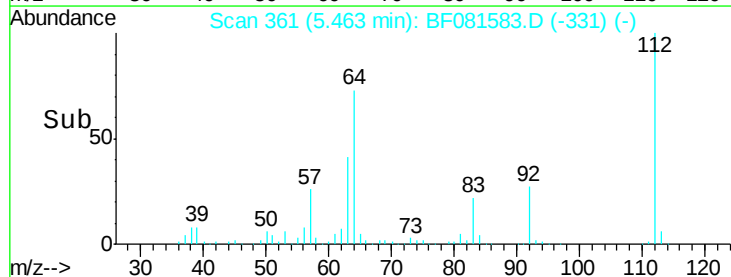
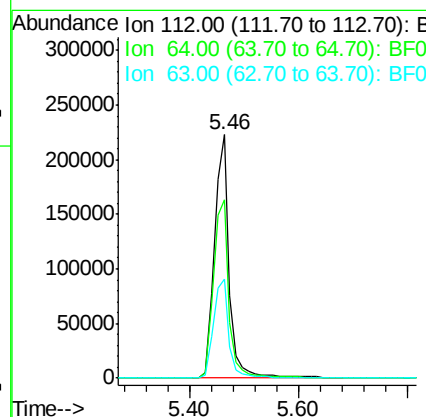
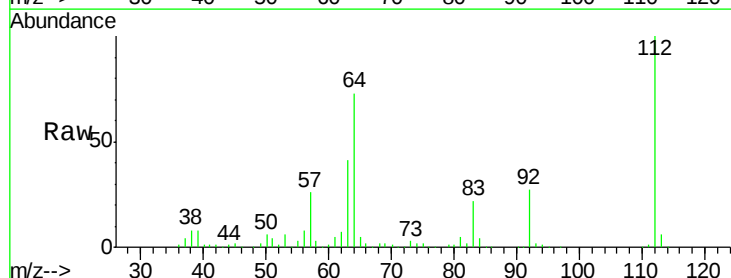
Tgt Ion:152 Resp: 47086
Ion Ratio Lower Upper
152 100
150 167.3 124.7 187.1
115 67.0 39.0 58.4#



#5

2-Fluorophenol
Concen: 141.30 ng
RT: 5.46 min Scan# 361
Delta R.T. 0.05 min
Lab File: BF081583.D
Acq: 11 Sep 2015 00:37

Tgt Ion:112 Resp: 428825
Ion Ratio Lower Upper
112 100
64 73.2 39.7 59.5#
63 40.9 17.4 26.0#





#7

Phenol-d6

Concen: 156.12 ng

RT: 7.73 min Scan# 559

Delta R.T. 0.03 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

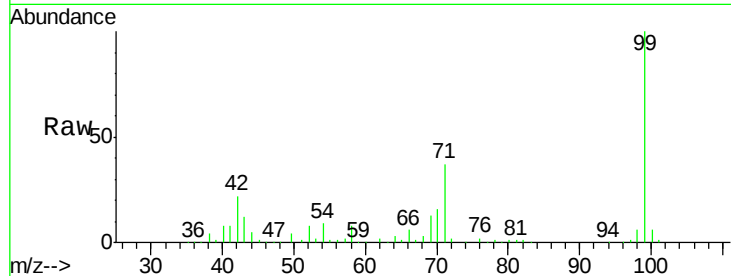
Tgt Ion: 99 Resp: 627170

Ion Ratio Lower Upper

99 100

42 22.5 13.7 20.5#

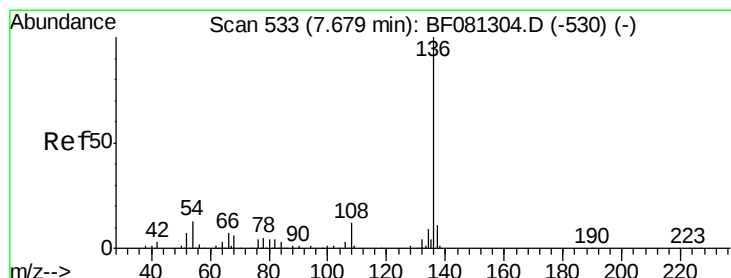
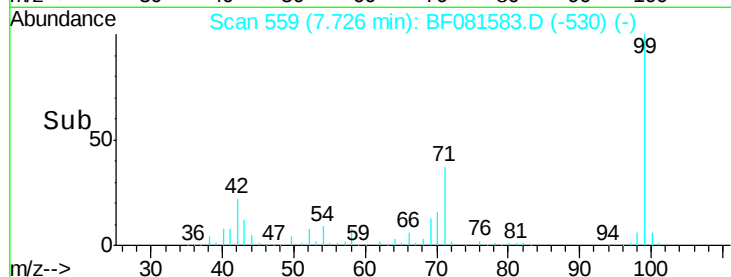
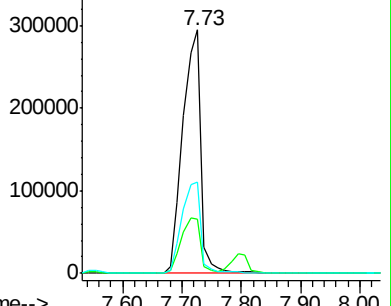
71 37.3 14.2 21.2#



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: 11.18 min Scan# 861

Delta R.T. 0.01 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

Tgt Ion: 136 Resp: 180275

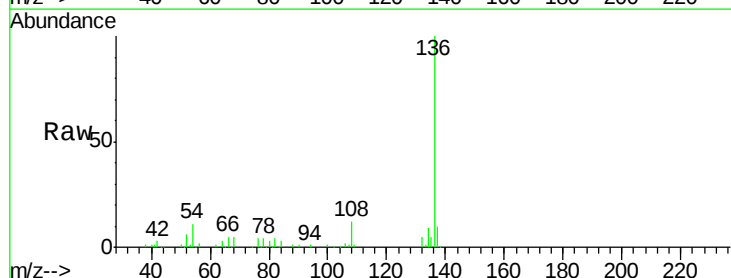
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.6

54 11.0 8.2 12.2

68 4.7 5.8 8.6#

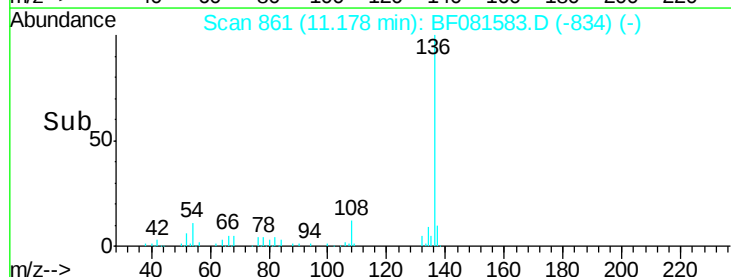
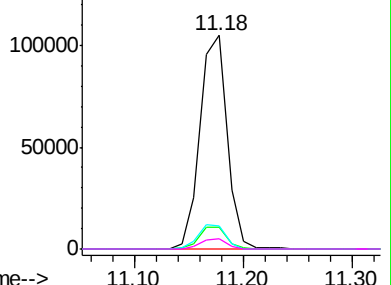


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

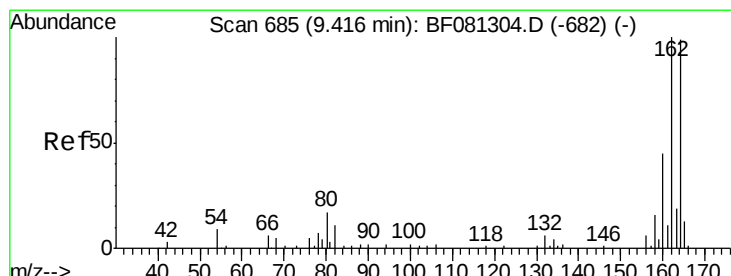
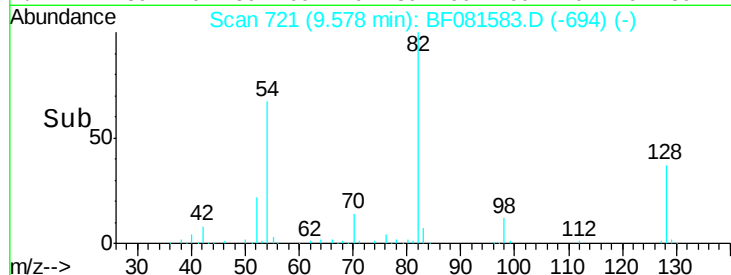
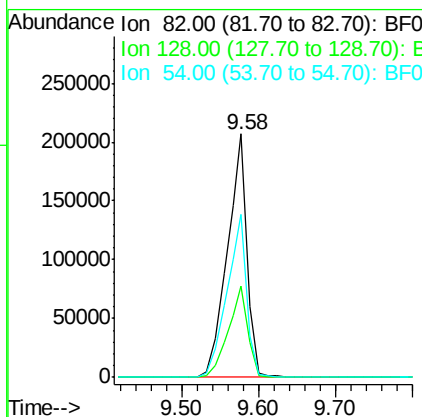
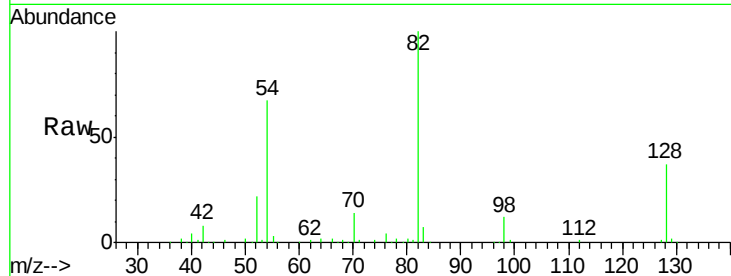




#23
 Nitrobenzene-d5
 Concen: 100.55 ng
 RT: 9.58 min Scan# 721
 Delta R.T. 0.01 min
 Lab File: BF081583.D
 Acq: 11 Sep 2015 00:37

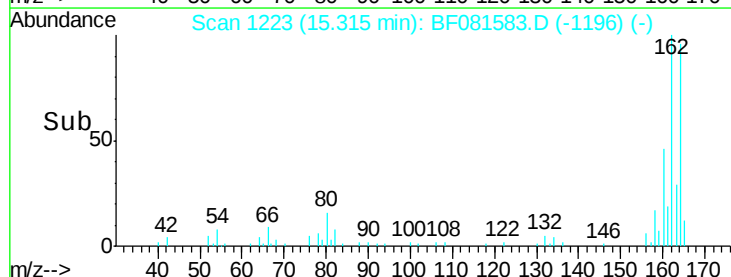
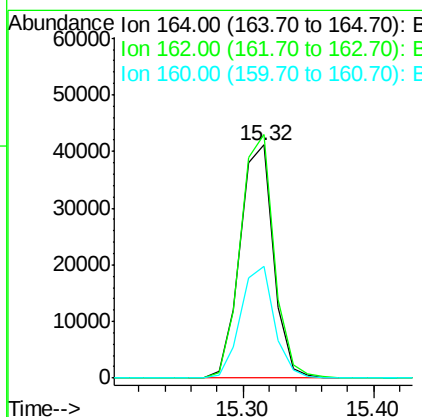
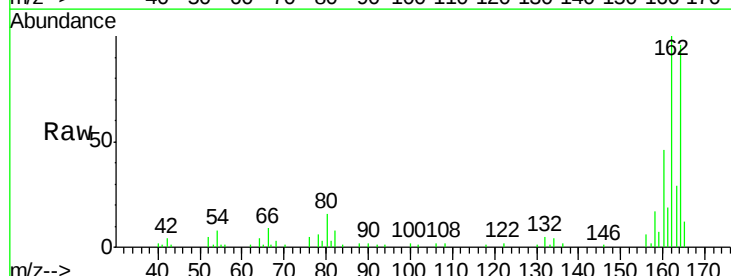
Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

Tgt Ion: 82 Resp: 375706
 Ion Ratio Lower Upper
 82 100
 128 37.4 51.0 76.6#
 54 67.2 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1223
 Delta R.T. 0.01 min
 Lab File: BF081583.D
 Acq: 11 Sep 2015 00:37

Tgt Ion: 164 Resp: 73610
 Ion Ratio Lower Upper
 164 100
 162 104.6 75.2 112.8
 160 47.9 31.5 47.3#

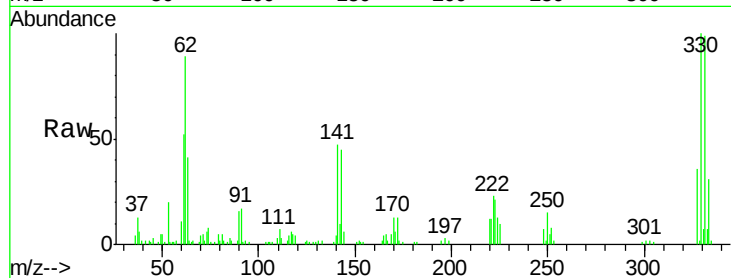




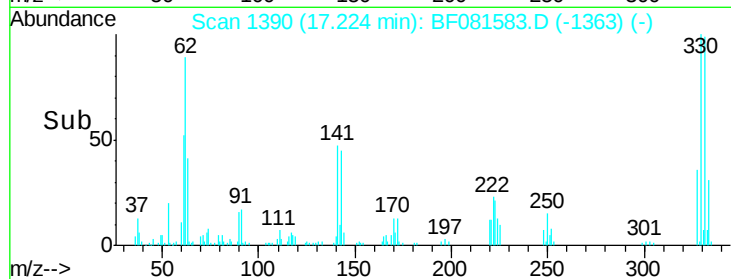
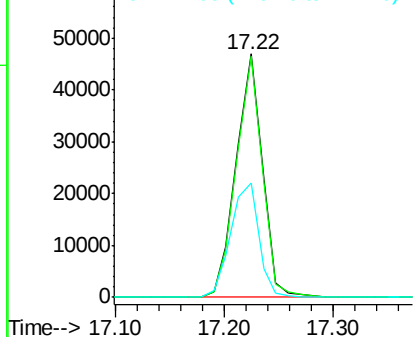
#41
 2,4,6-Tribromophenol
 Concen: 120.21 ng
 RT: 17.22 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BF081583.D
 Acq: 11 Sep 2015 00:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

Tgt Ion:330 Resp: 78789
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 114.8
 141 50.2 29.7 44.5#

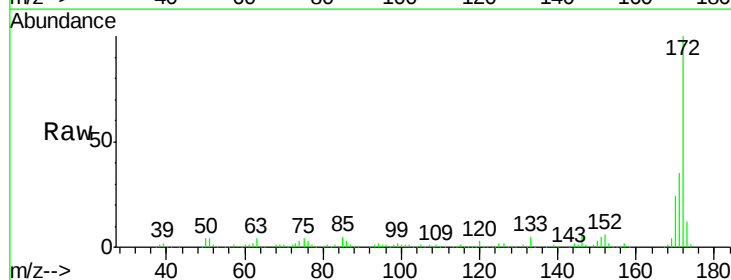


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

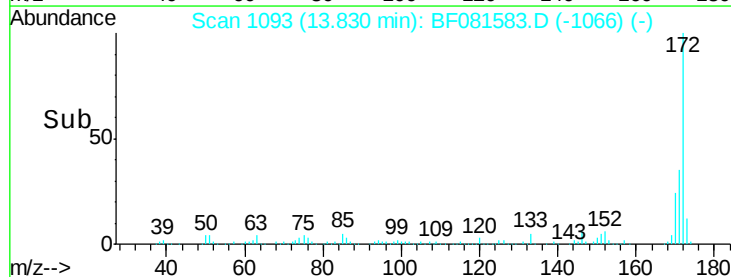
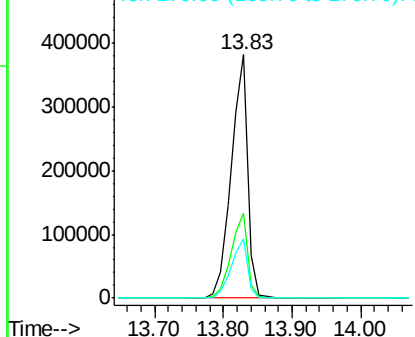


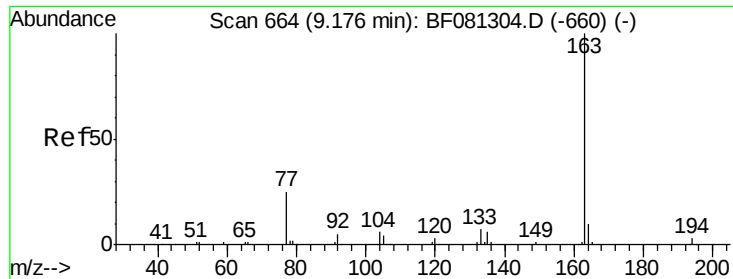
#44
 2-Fluorobiphenyl
 Concen: 112.77 ng
 RT: 13.83 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: BF081583.D
 Acq: 11 Sep 2015 00:37

Tgt Ion:172 Resp: 647754
 Ion Ratio Lower Upper
 172 100
 171 34.8 26.1 39.1
 170 24.3 17.4 26.2



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





#49

Dimethylphthalate

Concen: 22.85 ng

RT: 14.88 min Scan# 1185

Delta R.T. -0.02 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

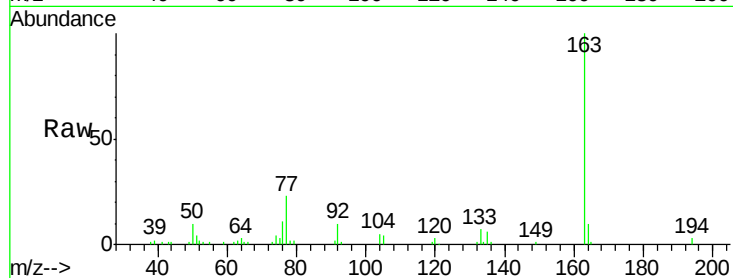
Tgt Ion:163 Resp: 130670

Ion Ratio Lower Upper

163 100

194 3.2 4.4 6.6#

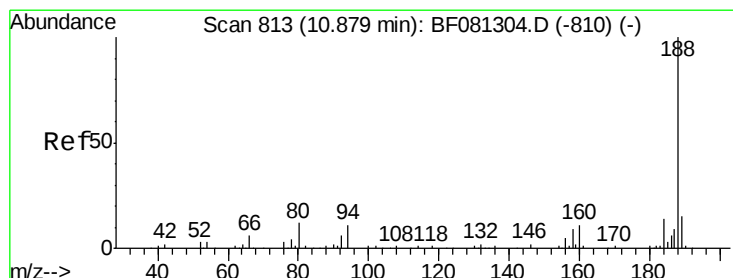
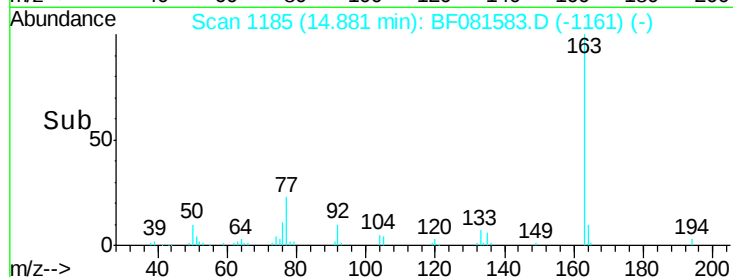
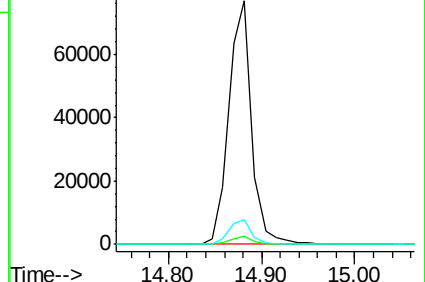
164 10.0 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.82 min Scan# 1530

Delta R.T. 0.01 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

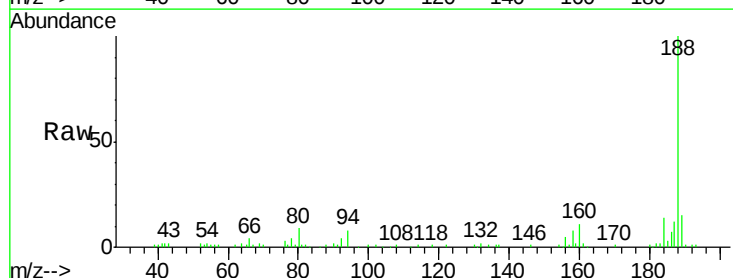
Tgt Ion:188 Resp: 126268

Ion Ratio Lower Upper

188 100

94 7.9 11.1 16.7#

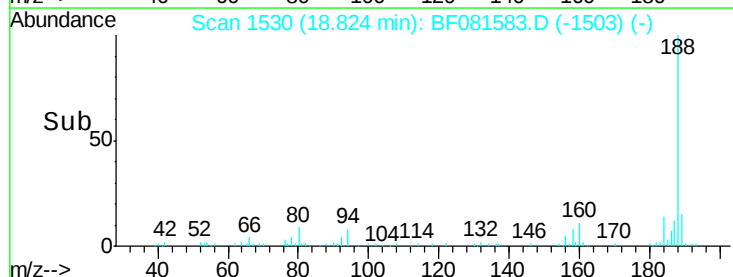
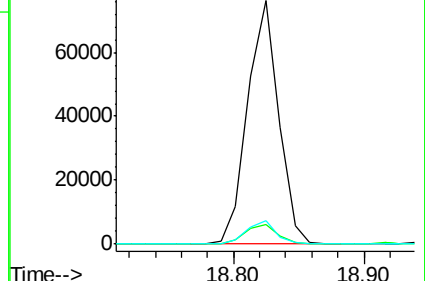
80 9.4 11.0 16.4#

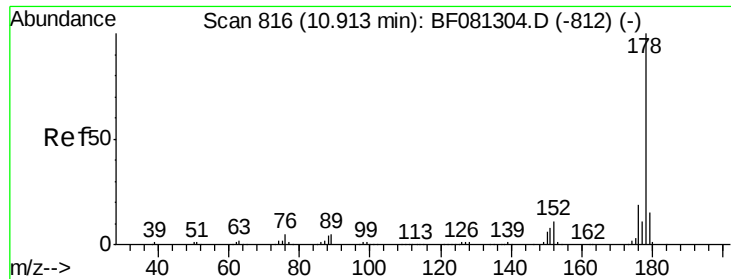


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

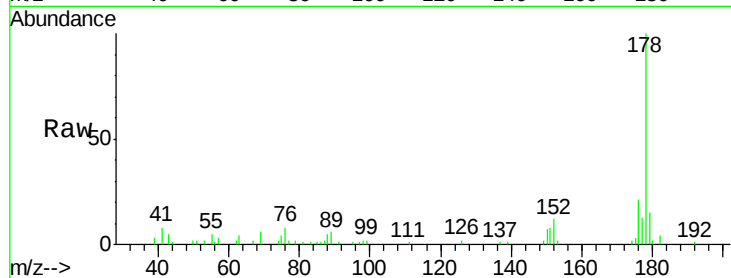




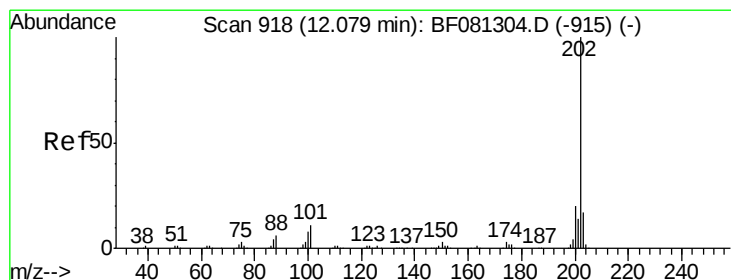
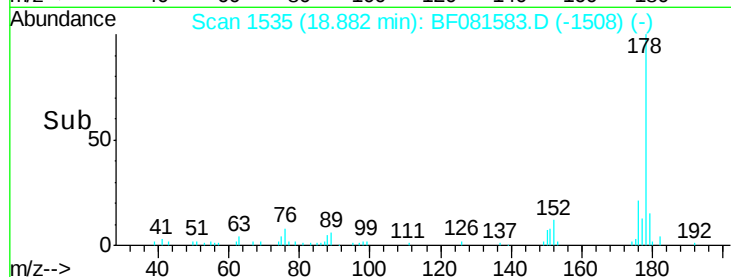
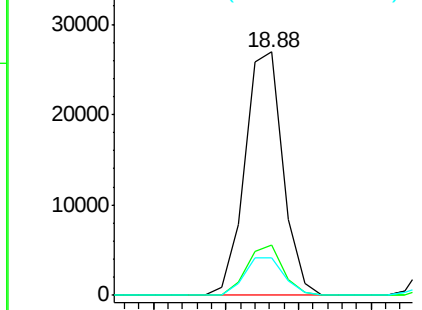
#70
Phenanthrene
Concen: 6.96 ng
RT: 18.88 min Scan# 1535
Delta R.T. 0.01 min
Lab File: BF081583.D
Acq: 11 Sep 2015 00:37

Instrument :
BNA_F
ClientSampleId :
SB-05(0-0.16)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.7	13.8	20.8
179	15.4	12.2	18.2

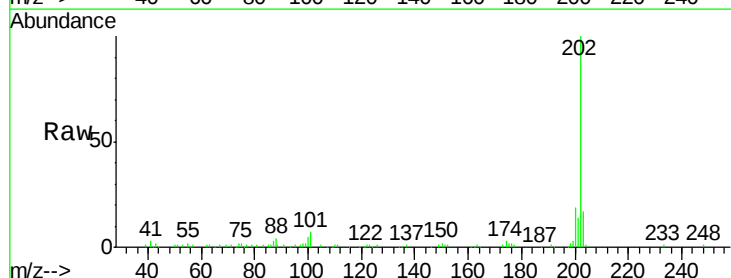


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

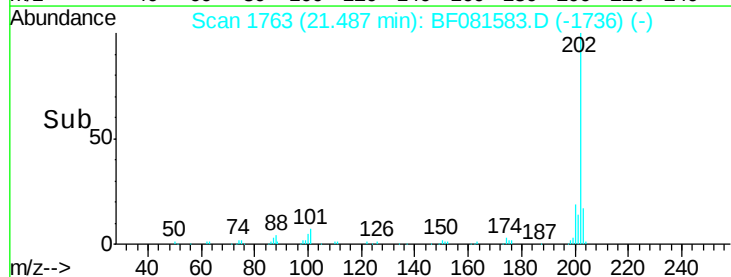
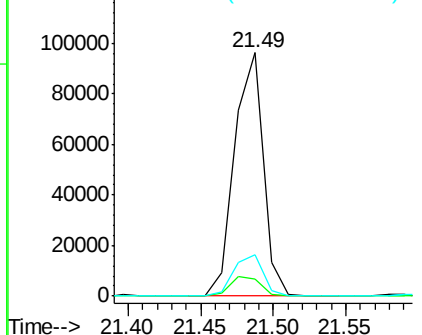


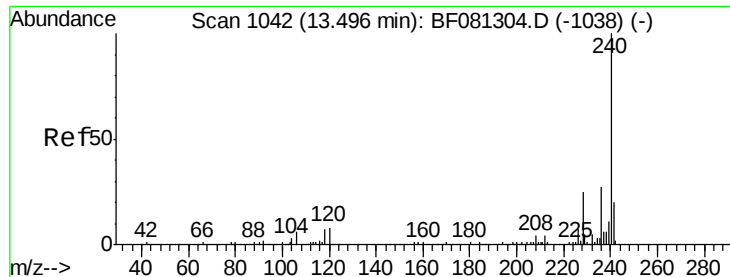
#74
Fluoranthene
Concen: 17.52 ng
RT: 21.49 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF081583.D
Acq: 11 Sep 2015 00:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.0	0.0	38.3
203	17.1	0.0	37.3



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: 23.43 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

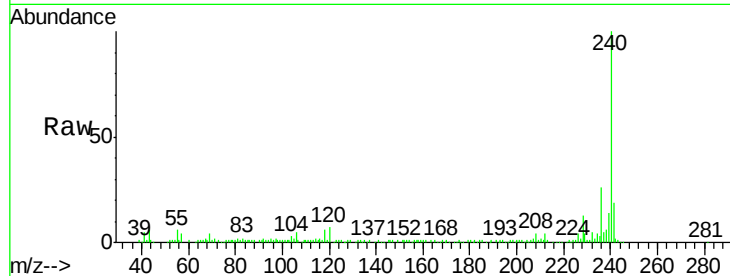
Tgt Ion:240 Resp: 93014

Ion Ratio Lower Upper

240 100

120 6.6 16.2 24.2#

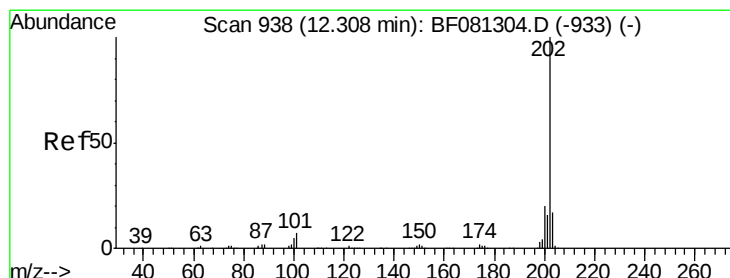
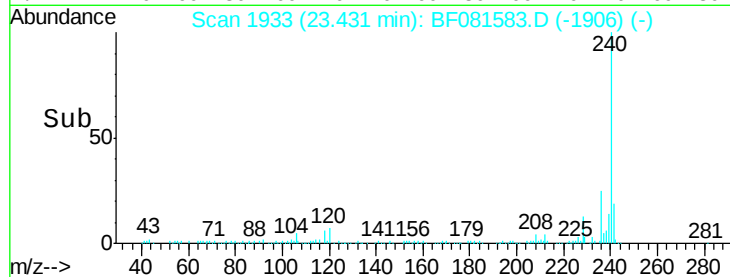
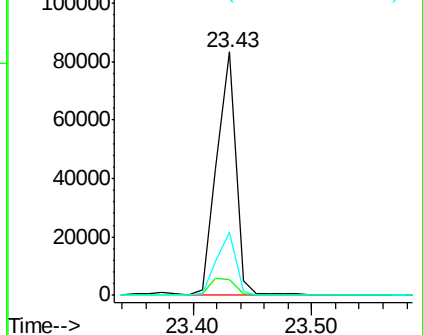
236 26.0 18.4 27.6



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: 16.93 ng

RT: 21.83 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

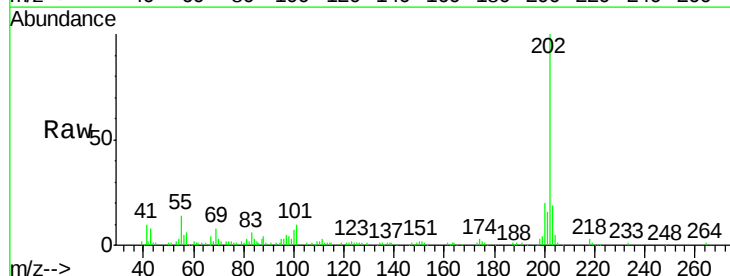
Tgt Ion:202 Resp: 116645

Ion Ratio Lower Upper

202 100

200 19.9 15.0 22.4

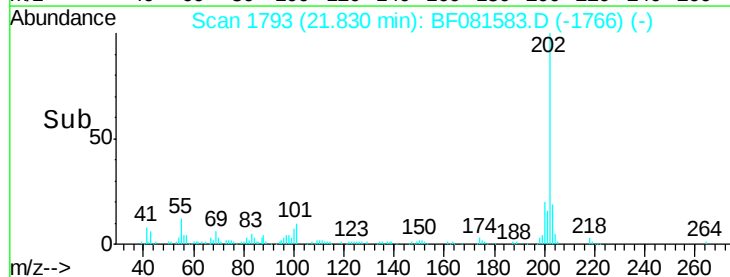
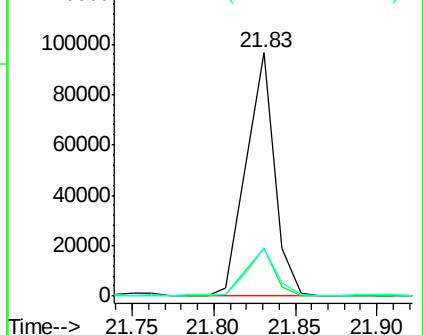
203 19.4 14.1 21.1

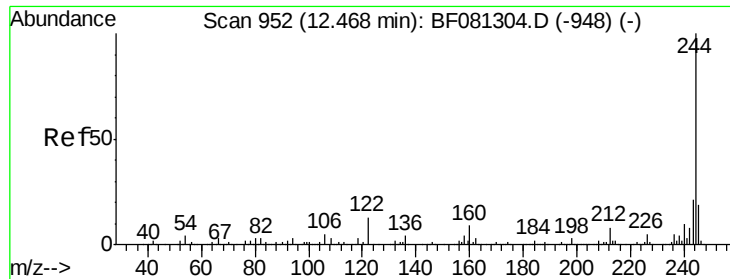


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

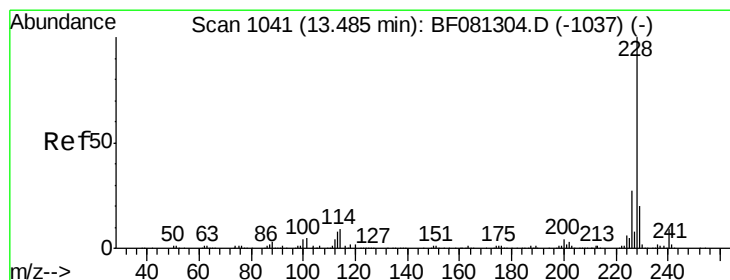
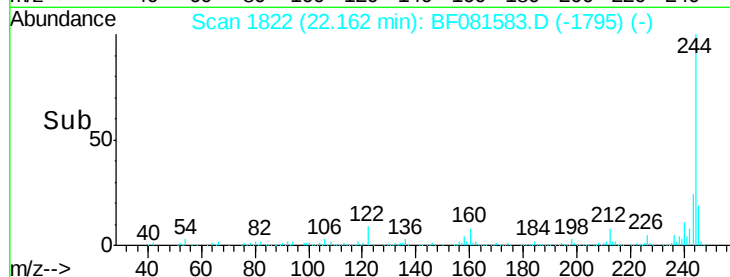
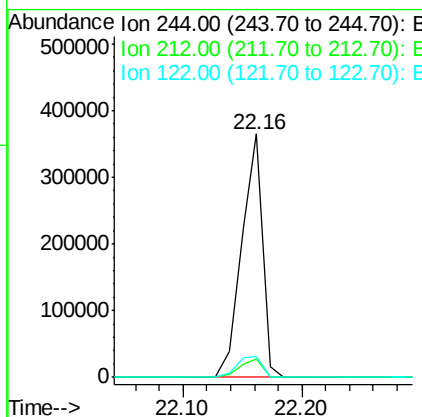
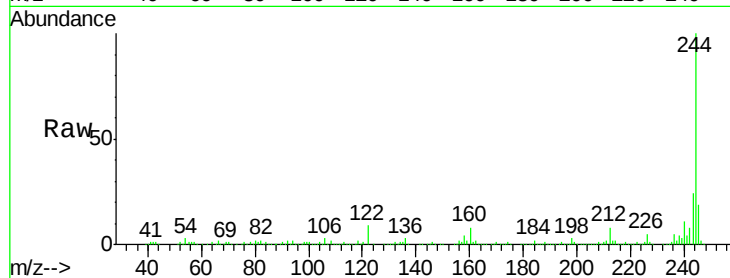




#78
 Terphenyl-d14
 Concen: 111.10 ng
 RT: 22.16 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: BF081583.D
 Acq: 11 Sep 2015 00:37

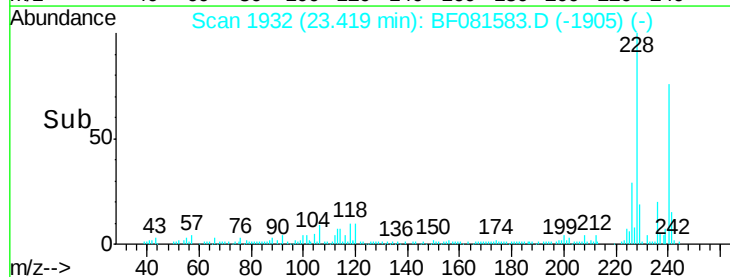
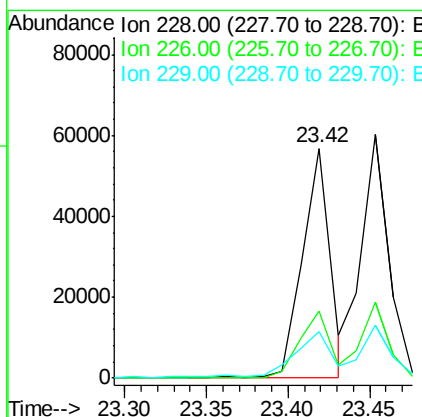
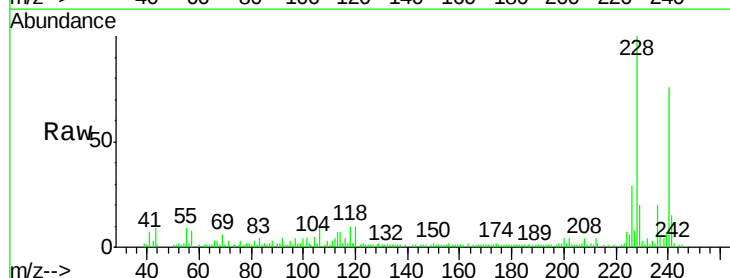
Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

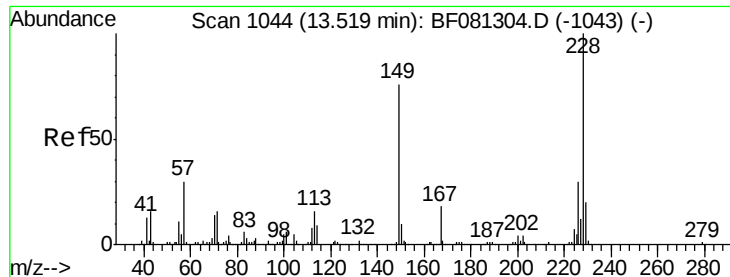
Tgt Ion: 244 Resp: 443910
 Ion Ratio Lower Upper
 244 100
 212 7.6 4.3 6.5#
 122 8.6 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 11.32 ng
 RT: 23.42 min Scan# 1932
 Delta R.T. 0.01 min
 Lab File: BF081583.D
 Acq: 11 Sep 2015 00:37

Tgt Ion: 228 Resp: 67062
 Ion Ratio Lower Upper
 228 100
 226 29.2 20.0 30.0
 229 20.2 15.4 23.2





#82

Chrysene

Concen: 13.41 ng

RT: 23.45 min Scan# 1935

Delta R.T. 0.01 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

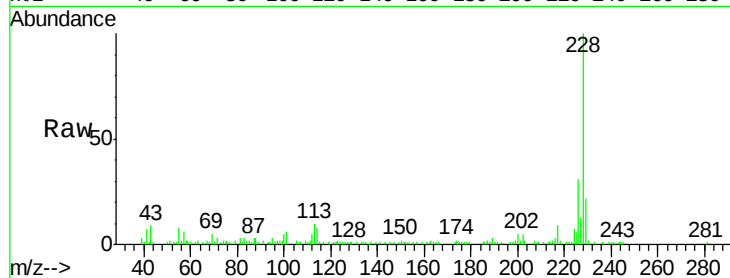
Tgt Ion:228 Resp: 71219

Ion Ratio Lower Upper

228 100

226 31.1 21.0 31.4

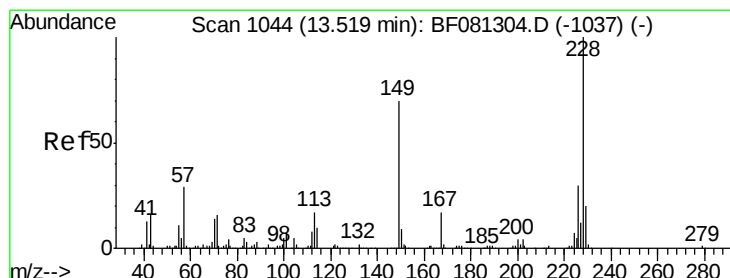
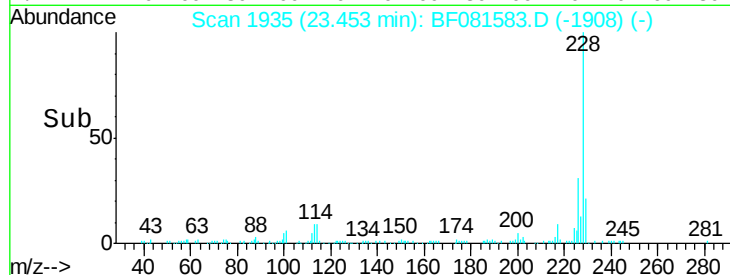
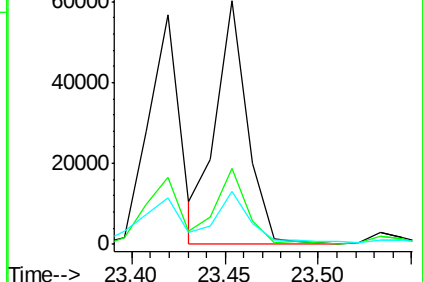
229 21.6 15.6 23.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.94 ng

RT: 23.53 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

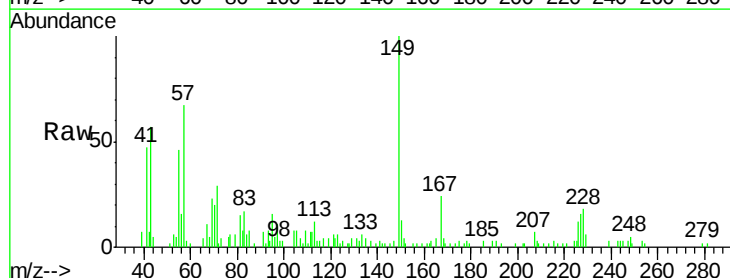
Tgt Ion:149 Resp: 15572

Ion Ratio Lower Upper

149 100

167 24.3 24.2 36.2

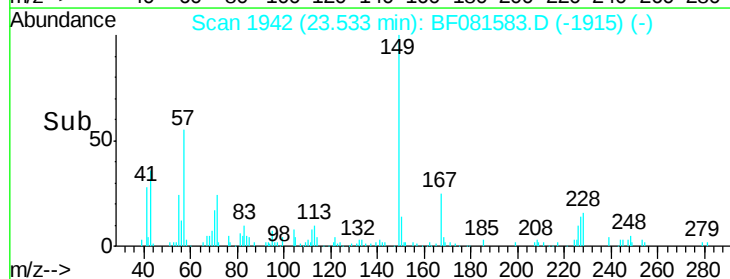
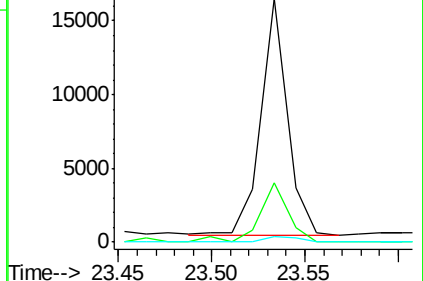
279 2.2 3.8 5.6#

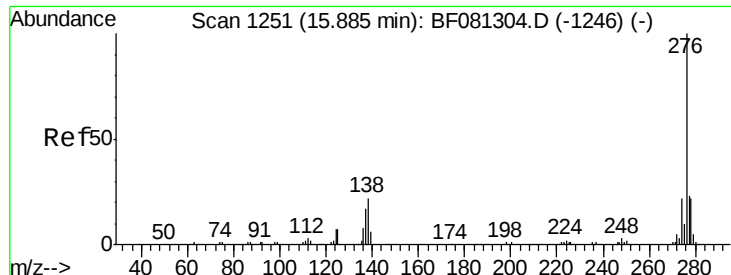


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

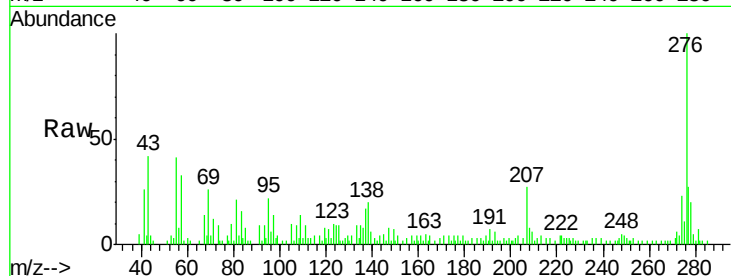




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.34 ng m
 RT: 25.93 min Scan# 2152
 Delta R.T. 0.02 min
 Lab File: BF081583.D
 Acq: 11 Sep 2015 00:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.4	25.7	38.5#
277	1.7	15.6	23.4#

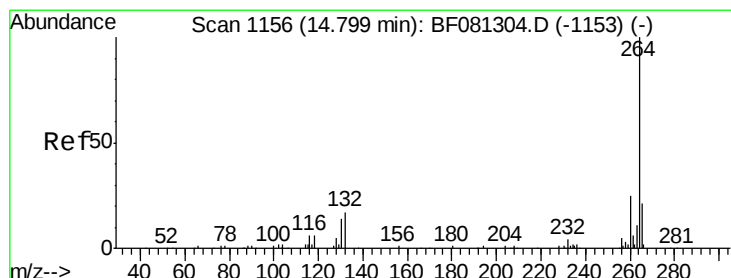
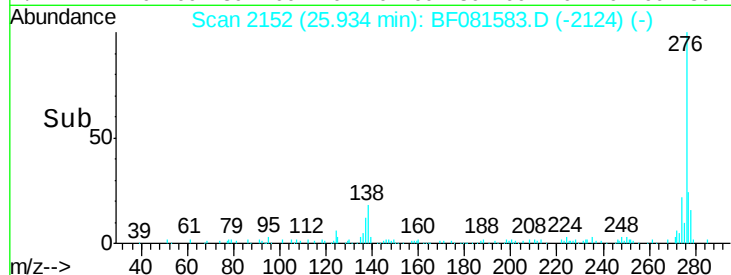
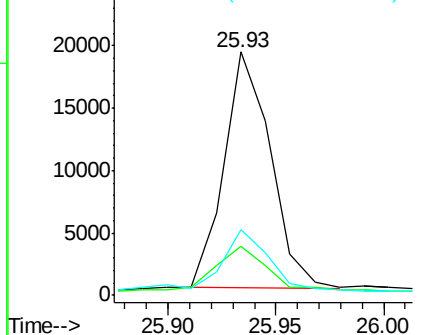


Abundance

Ion 276.00 (275.70 to 276.70): E

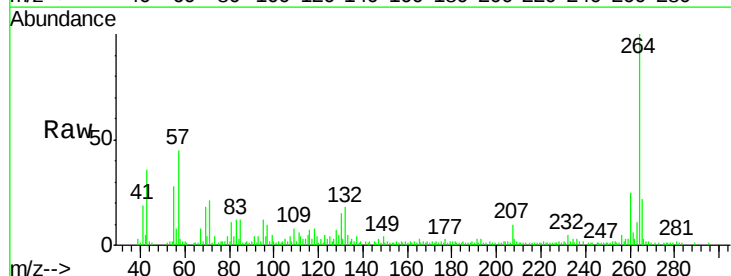
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.86 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BF081583.D
 Acq: 11 Sep 2015 00:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	16.7	25.1
265	22.4	17.2	25.8

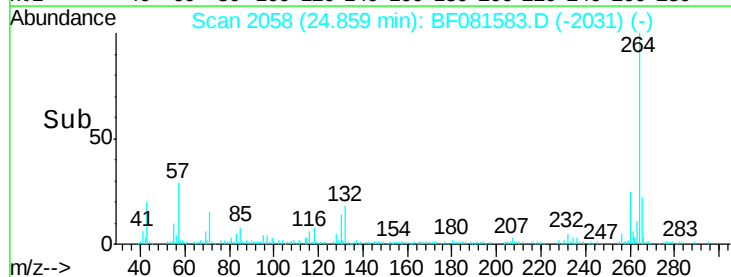
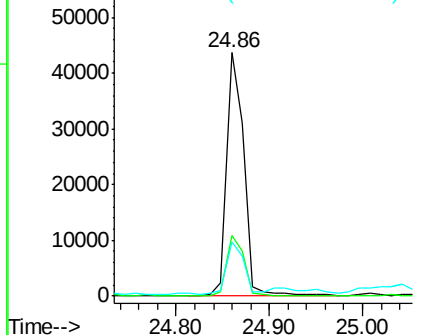


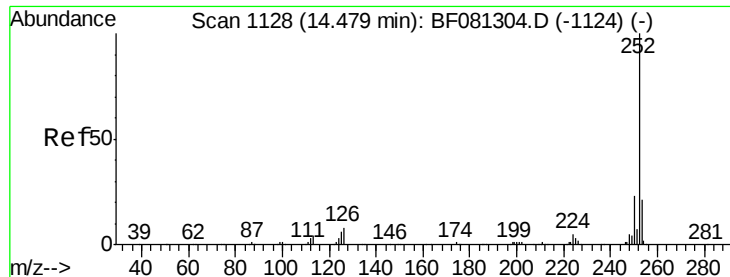
Abundance

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: 20.90 ng m

RT: 24.53 min Scan# 2029

Delta R.T. 0.02 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

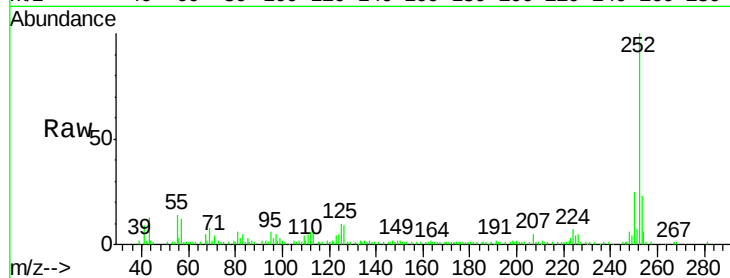
Tgt Ion:252 Resp: 84556

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

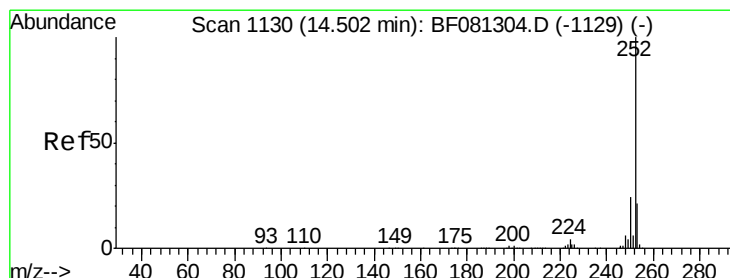
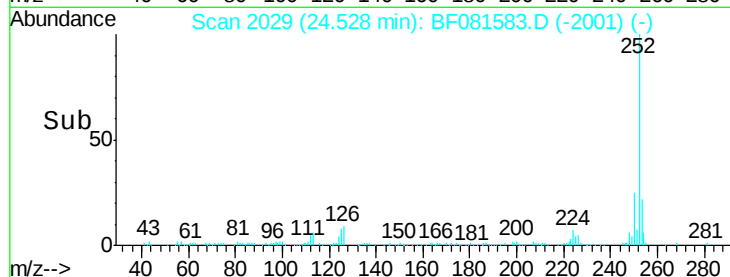
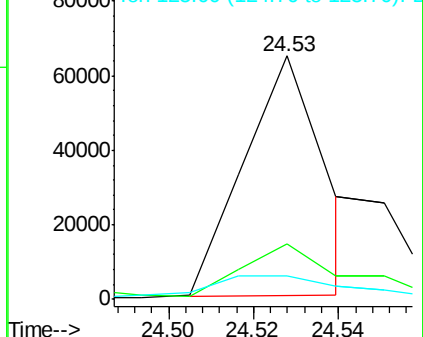
125 9.6 17.1 25.7#



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: 5.31 ng m

RT: 24.54 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

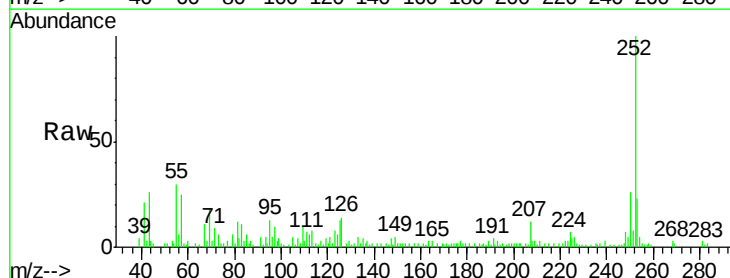
Tgt Ion:252 Resp: 17822

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

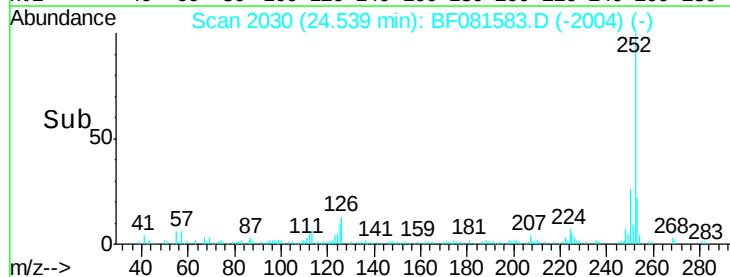
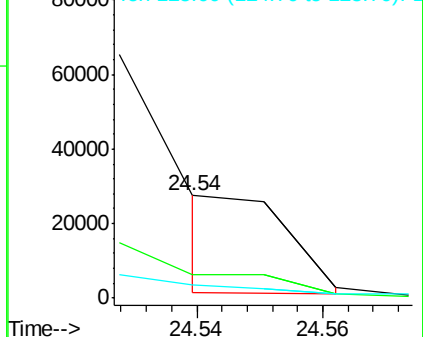
125 12.9 16.0 24.0#

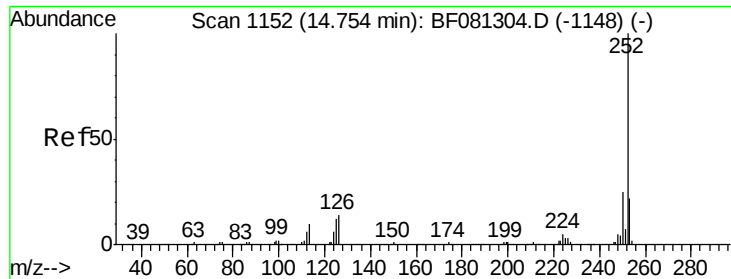


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 13.39 ng

RT: 24.81 min Scan# 2054

Delta R.T. 0.01 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

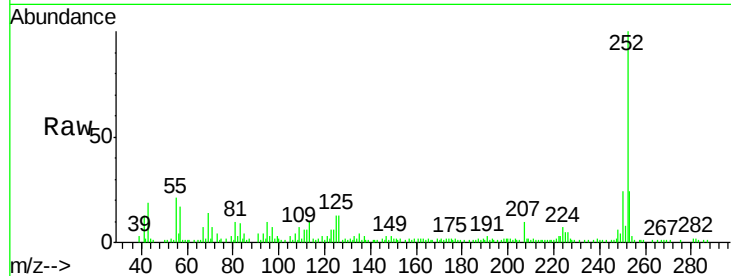
Tgt Ion:252 Resp: 45908

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

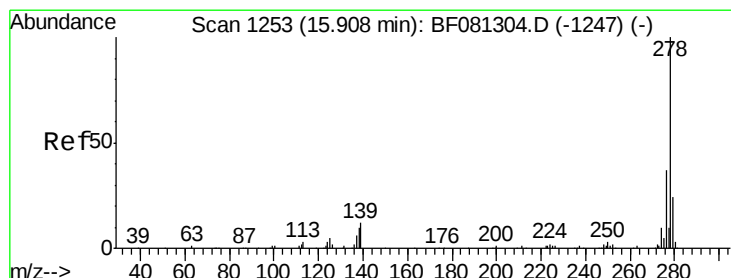
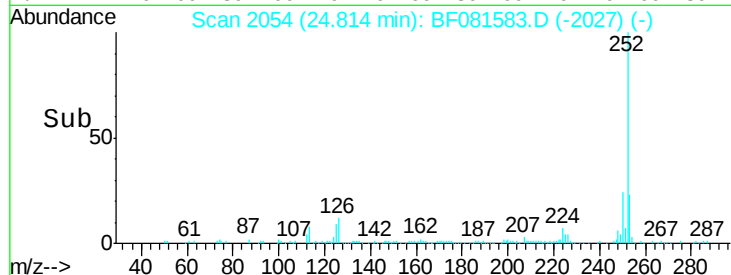
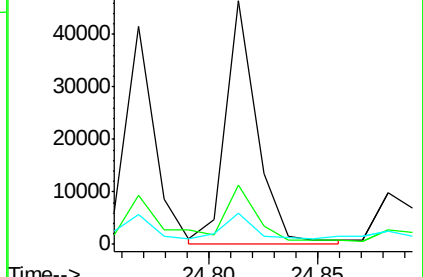
125 13.0 18.0 27.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 3.69 ng

RT: 25.95 min Scan# 2153

Delta R.T. 0.02 min

Lab File: BF081583.D

Acq: 11 Sep 2015 00:37

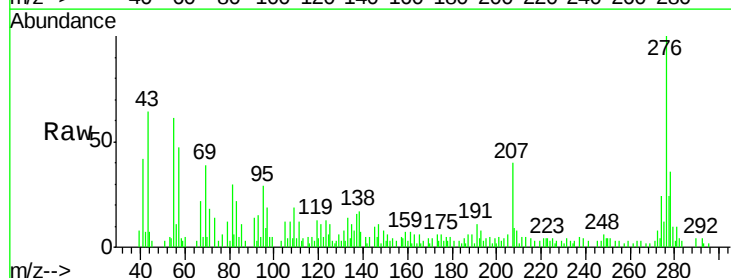
Tgt Ion:278 Resp: 9779

Ion Ratio Lower Upper

278 100

139 18.8 26.3 39.5#

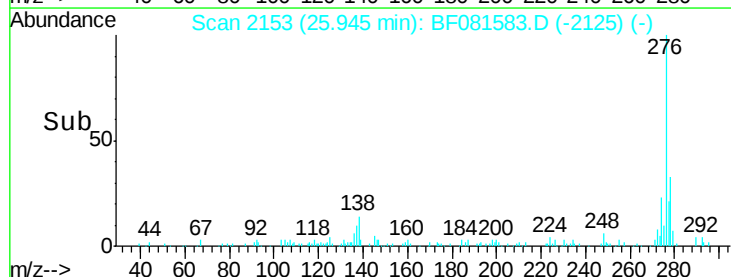
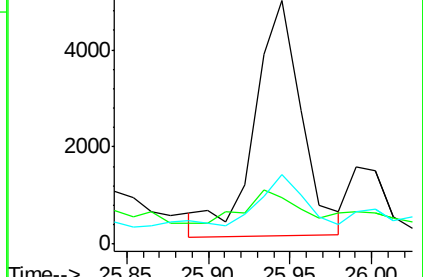
279 28.7 18.2 27.4#

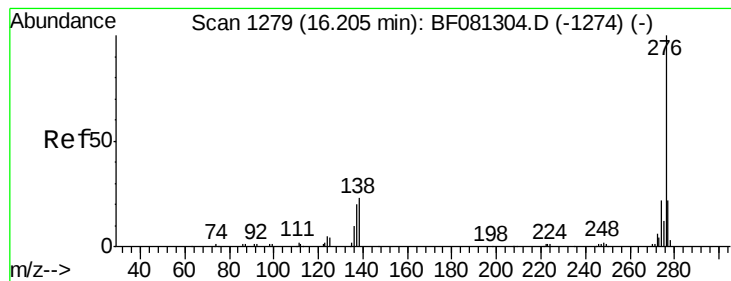


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 11.90 ng

RT: 26.25 min Scan# 2180

Delta R.T. 0.03 min

Lab File: BF081583.D

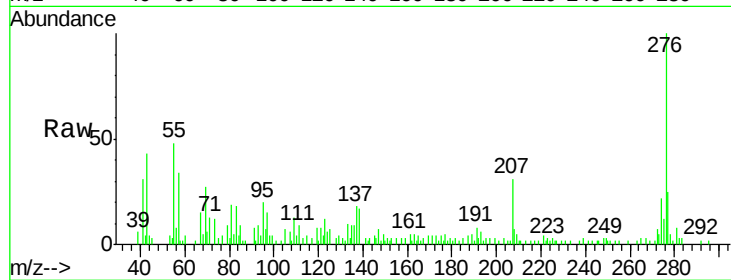
Acq: 11 Sep 2015 00:37

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)



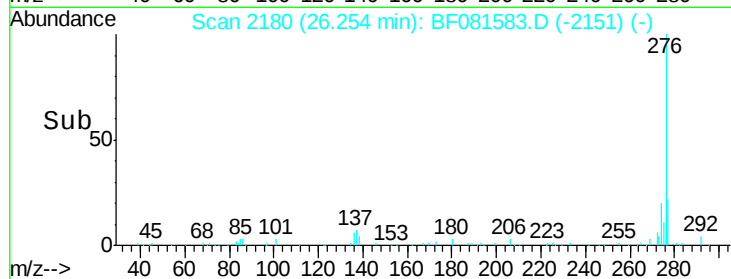
Tgt Ion: 276 Resp: 30098

Ion Ratio Lower Upper

276 100

277 24.6 17.8 26.6

138 16.5 34.6 51.8#



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

