

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
 Data File : BF081685.D
 Acq On : 17 Sep 2015 18:53
 Operator : UM/IZ
 Sample : G3620-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0-0.16)

Quant Time: Sep 18 07:16:23 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

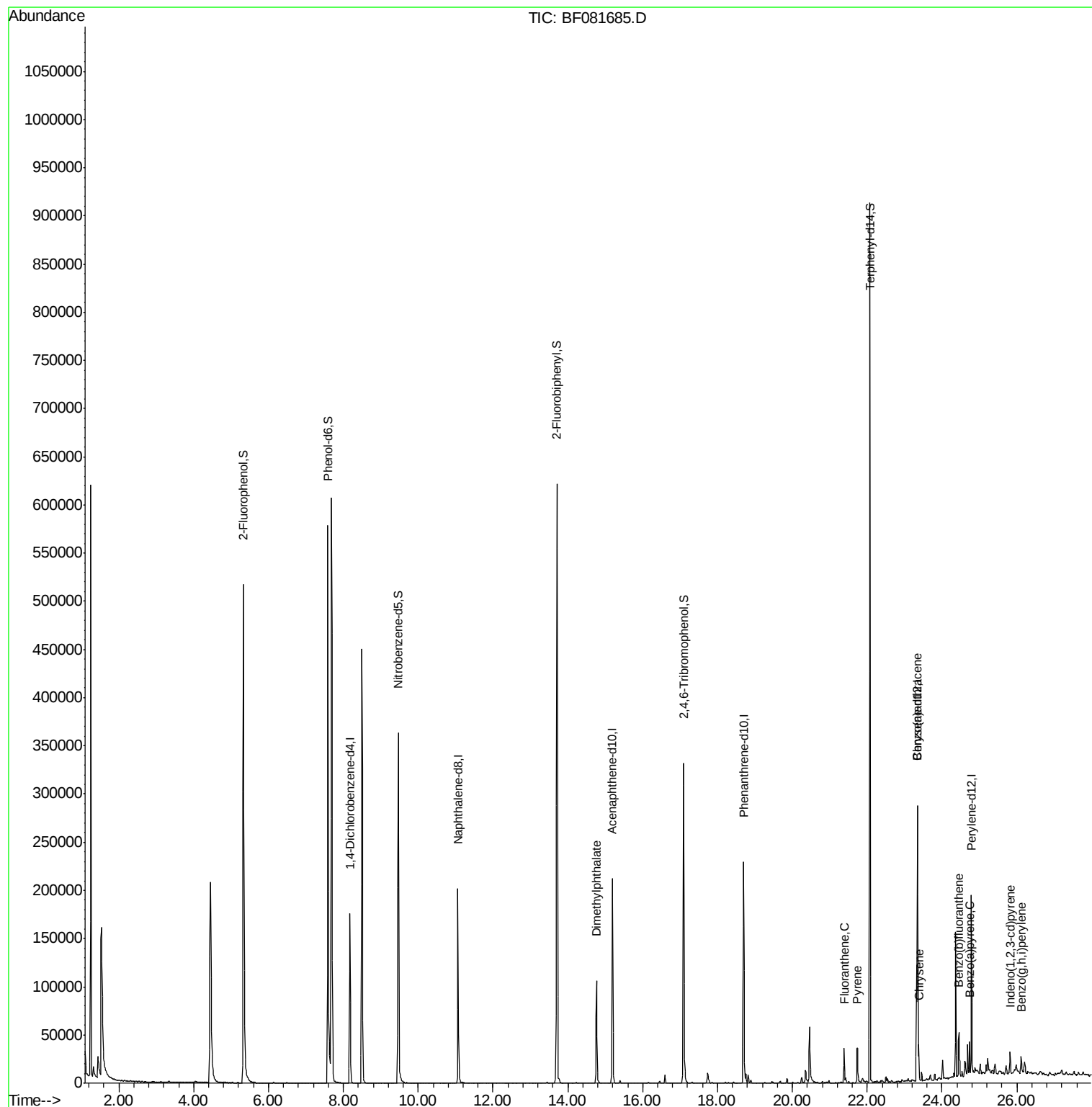
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	44465	20.00	ng	-0.04
21) Naphthalene-d8	11.06	136	176060	20.00	ng	-0.06
38) Acenaphthene-d10	15.19	164	82081	20.00	ng	-0.07
63) Phenanthrene-d10	18.70	188	165495	20.00	ng	-0.06
75) Chrysene-d12	23.34	240	115745	20.00	ng	-0.04
86) Perylene-d12	24.78	264	74922	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	237737	82.95	ng	-0.02
7) Phenol-d6	7.59	99	331912	87.49	ng	-0.06
23) Nitrobenzene-d5	9.46	82	223640	61.29	ng	-0.07
41) 2,4,6-Tribromophenol	17.10	330	64068	87.66	ng	-0.07
44) 2-Fluorobiphenyl	13.71	172	384955	60.10	ng	-0.07
78) Terphenyl-d14	22.07	244	327921	65.95	ng	-0.04
Target Compounds						Qvalue
49) Dimethylphthalate	14.77	163	75637	11.86	ng	# 96
74) Fluoranthene	21.39	202	24577	2.47	ng	87
77) Pyrene	21.74	202	23734	2.77	ng	97
80) Benzo(a)anthracene	23.34	228	16039	2.18	ng	97
82) Chrysene	23.37	228	17821m	2.70	ng	
85) Indeno(1,2,3-cd)pyrene	25.82	276	10483	2.16	ng	# 78
87) Benzo(b)fluoranthene	24.45	252	23549m	4.40	ng	
89) Benzo(a)pyrene	24.73	252	13812m	3.05	ng	
91) Benzo(g,h,i)perylene	26.12	276	10053	3.01	ng	# 73

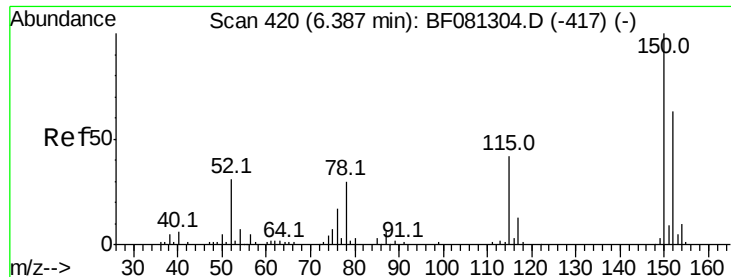
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 620

Delta R.T. -0.04 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

Instrument :

BNA_F

ClientSampleId :

SB-14(0-0.16)

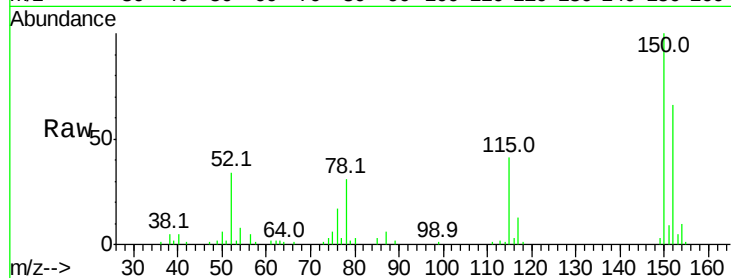
Tgt Ion:152 Resp: 44465

Ion Ratio Lower Upper

152 100

150 152.4 124.7 187.1

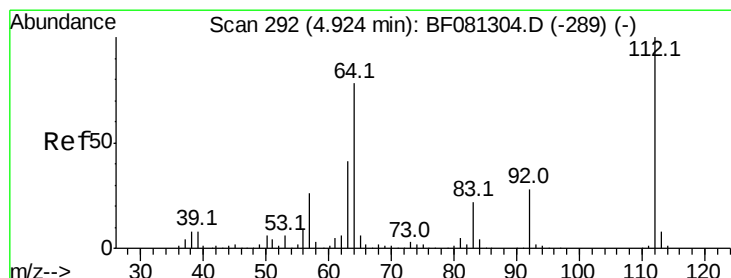
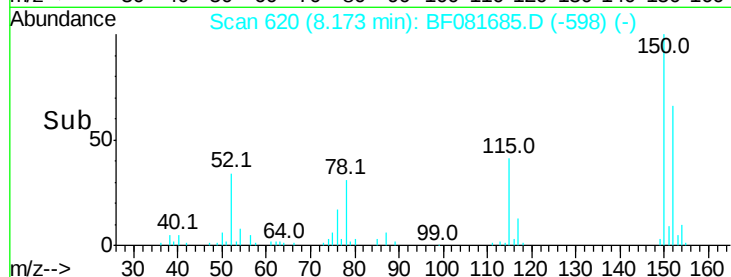
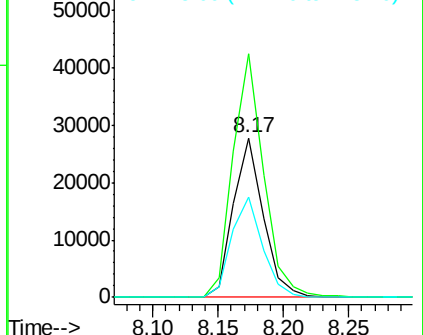
115 62.8 39.0 58.4#



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



#5

2-Fluorophenol

Concen: 82.95 ng

RT: 5.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

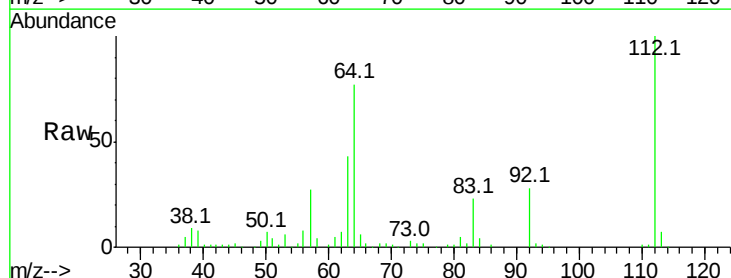
Tgt Ion:112 Resp: 237737

Ion Ratio Lower Upper

112 100

64 77.4 39.7 59.5#

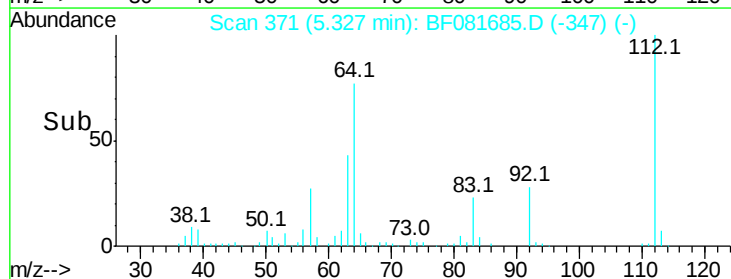
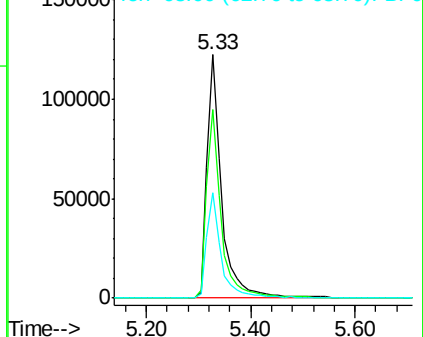
63 43.3 17.4 26.0#

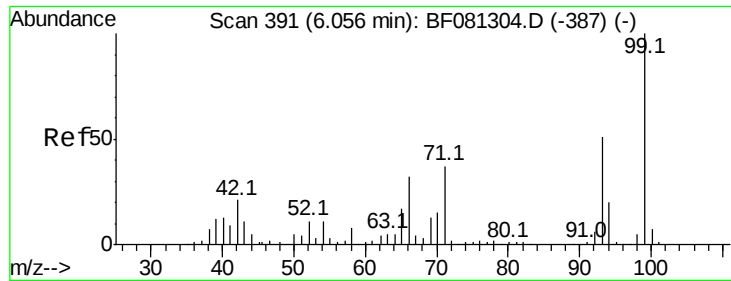


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 87.49 ng

RT: 7.59 min Scan# 569

Delta R.T. -0.06 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

Instrument :

BNA_F

ClientSampleId :

SB-14(0-0.16)

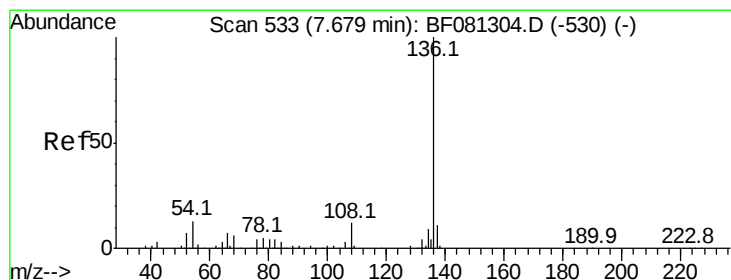
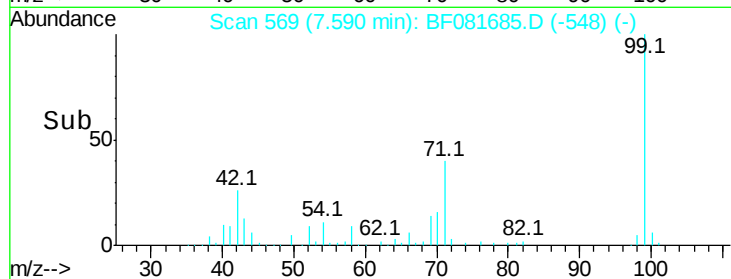
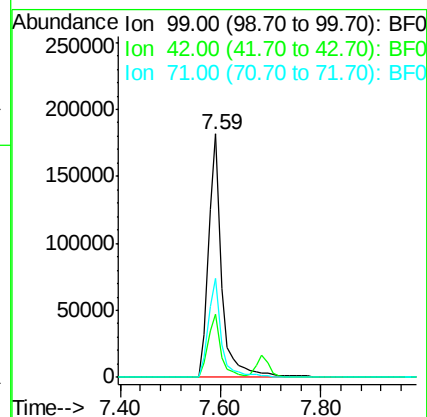
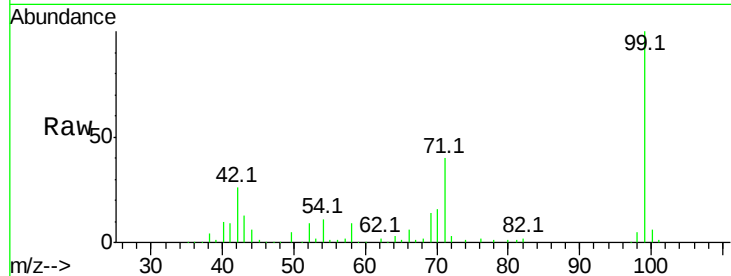
Tgt Ion: 99 Resp: 331912

Ion Ratio Lower Upper

99 100

42 26.0 13.7 20.5#

71 40.5 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.06 min Scan# 873

Delta R.T. -0.06 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

Tgt Ion: 136 Resp: 176060

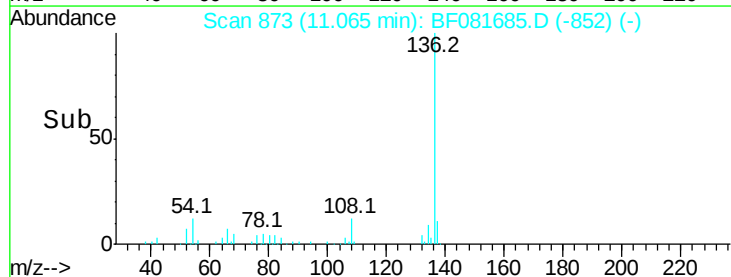
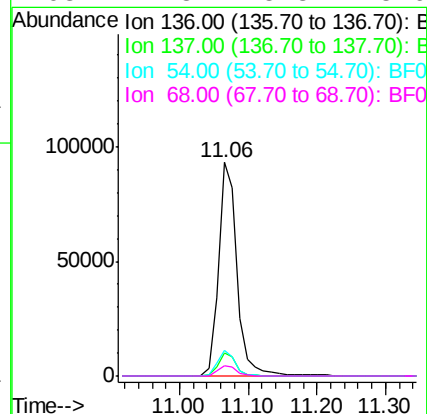
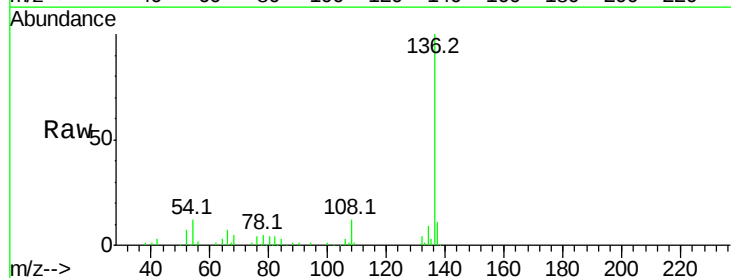
Ion Ratio Lower Upper

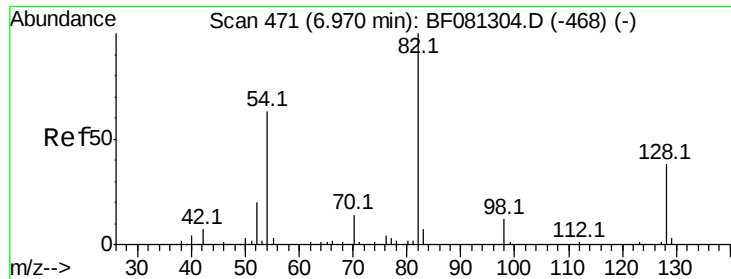
136 100

137 10.7 9.0 13.6

54 12.2 8.2 12.2

68 4.8 5.8 8.6#

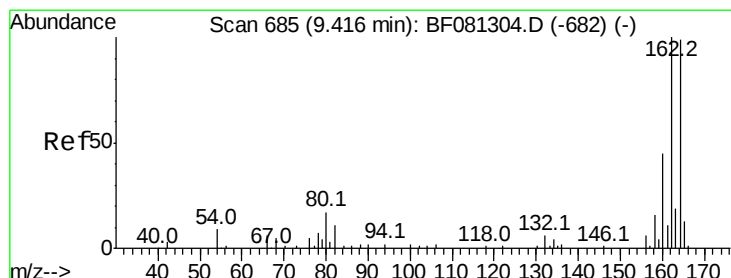
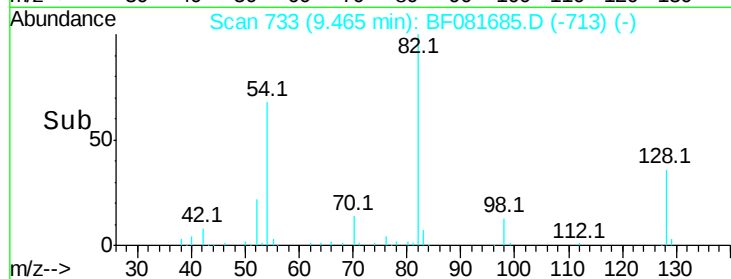
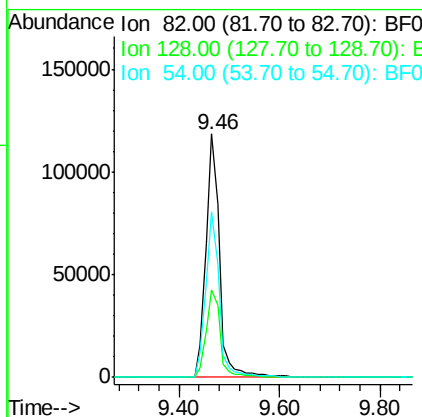
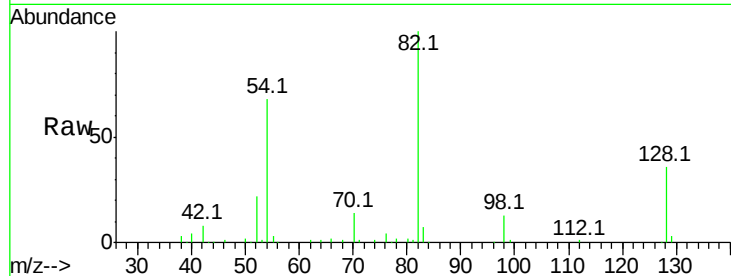




#23
 Nitrobenzene-d5
 Concen: 61.29 ng
 RT: 9.46 min Scan# 733
 Delta R.T. -0.07 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

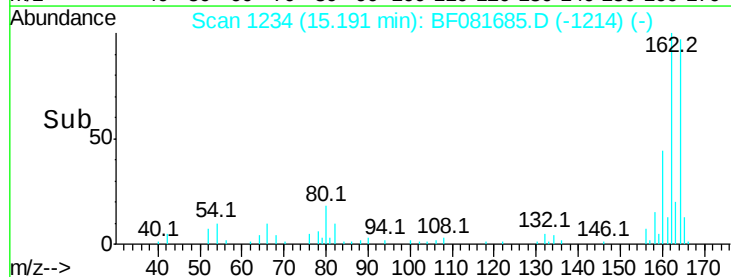
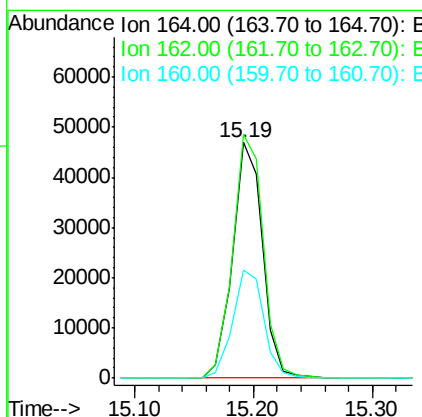
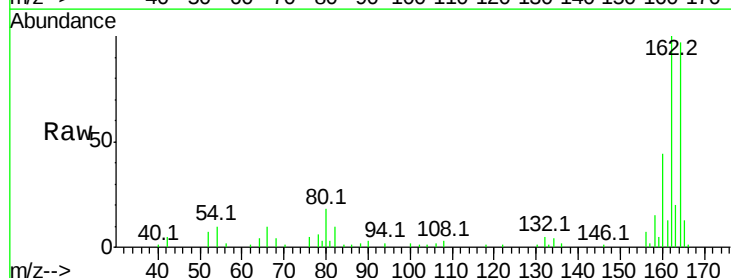
Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0-0.16)

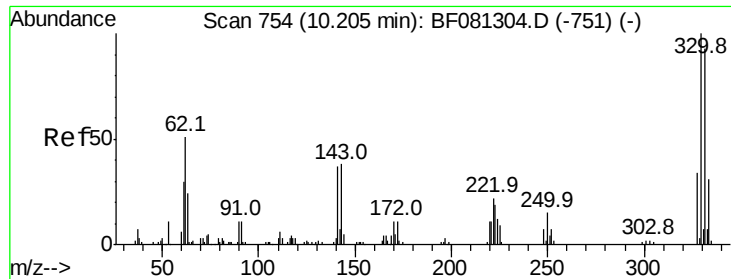
Tgt Ion: 82 Resp: 223640
 Ion Ratio Lower Upper
 82 100
 128 35.8 51.0 76.6#
 54 68.0 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.19 min Scan# 1234
 Delta R.T. -0.07 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

Tgt Ion: 164 Resp: 82081
 Ion Ratio Lower Upper
 164 100
 162 103.3 75.2 112.8
 160 45.8 31.5 47.3

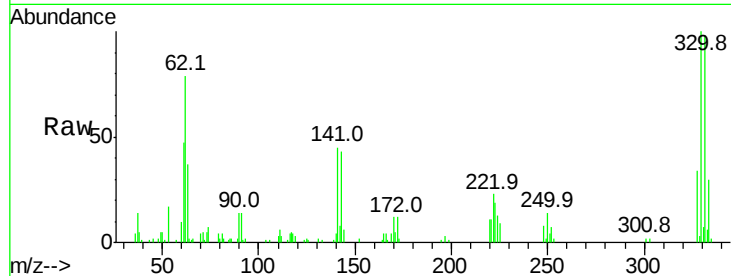




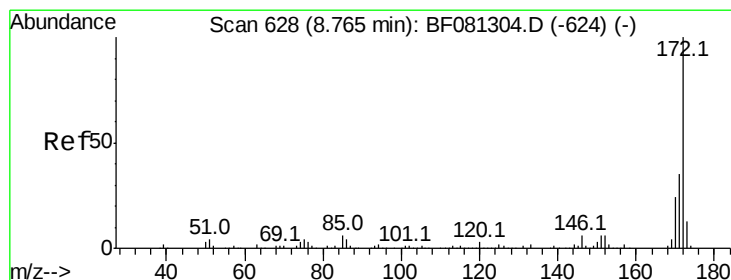
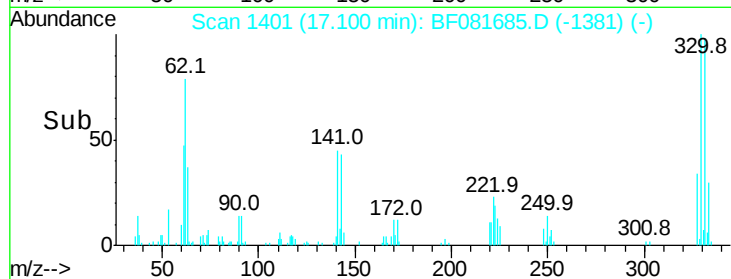
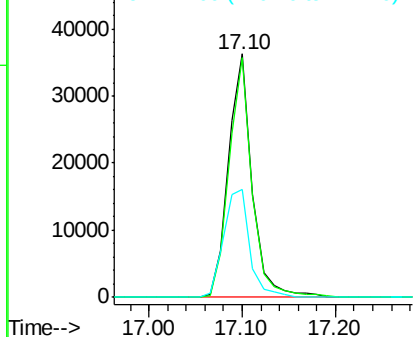
#41
 2,4,6-Tribromophenol
 Concen: 87.66 ng
 RT: 17.10 min Scan# 1401
 Delta R.T. -0.07 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0-0.16)

Tgt Ion:330 Resp: 64068
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 48.7 29.7 44.5#

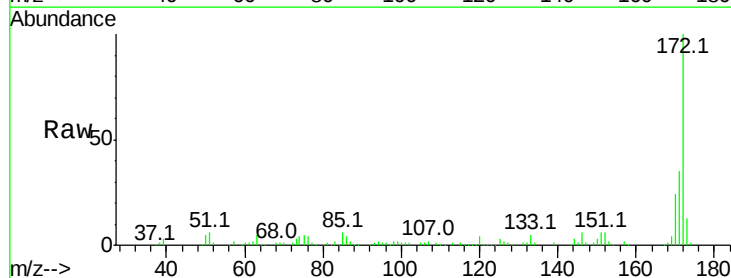


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

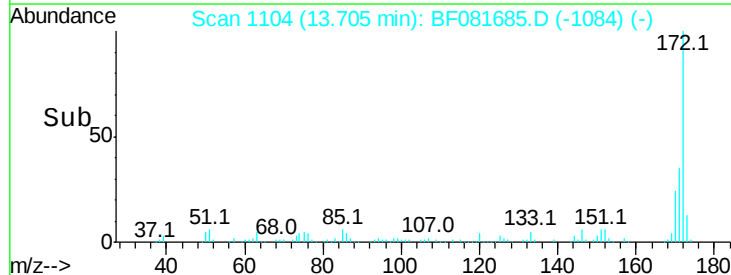
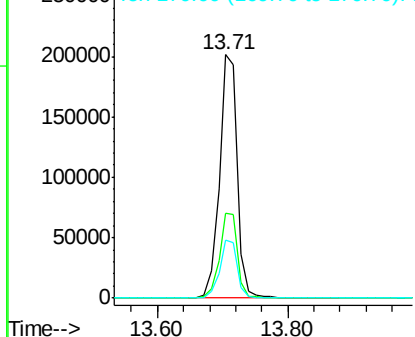


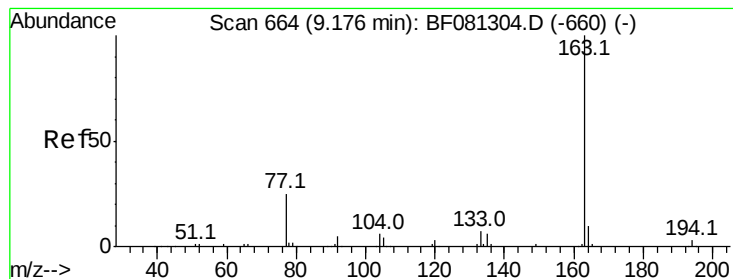
#44
 2-Fluorobiphenyl
 Concen: 60.10 ng
 RT: 13.71 min Scan# 1104
 Delta R.T. -0.07 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

Tgt Ion:172 Resp: 384955
 Ion Ratio Lower Upper
 172 100
 171 34.6 26.1 39.1
 170 23.7 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: 11.86 ng

RT: 14.77 min Scan# 1197

Delta R.T. -0.09 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

Instrument :

BNA_F

ClientSampleId :

SB-14(0-0.16)

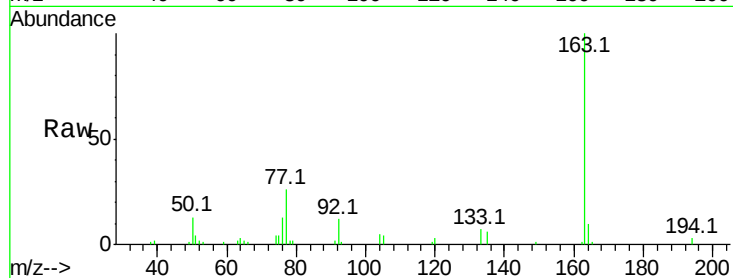
Tgt Ion:163 Resp: 75637

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

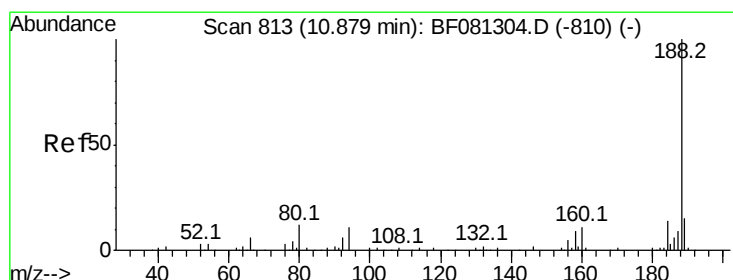
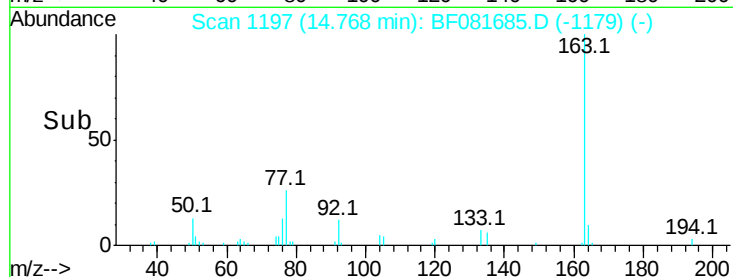
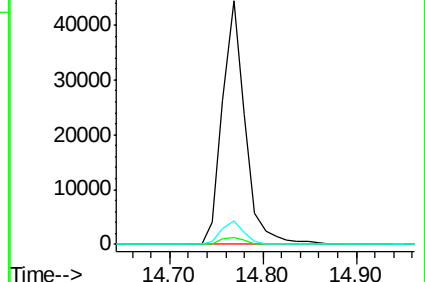
164 9.7 8.3 12.5



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: 18.70 min Scan# 1541

Delta R.T. -0.06 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

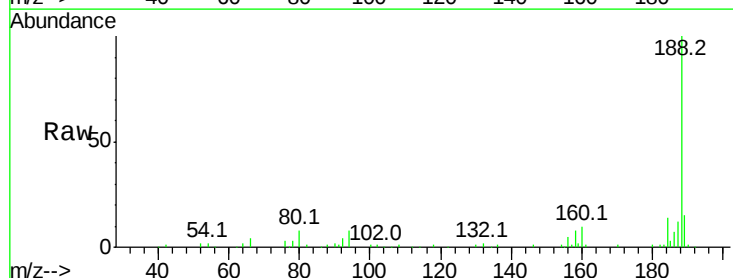
Tgt Ion:188 Resp: 165495

Ion Ratio Lower Upper

188 100

94 7.7 11.1 16.7#

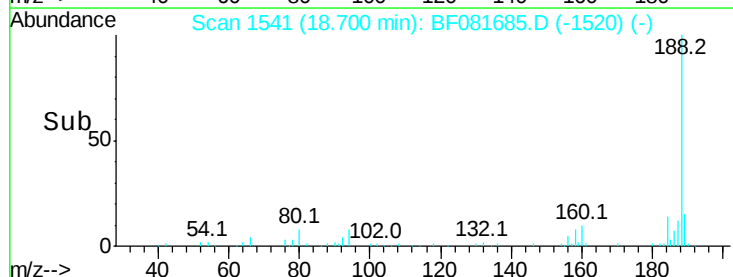
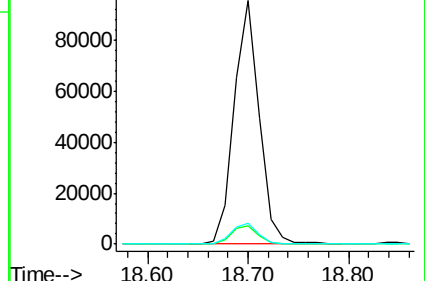
80 8.5 11.0 16.4#

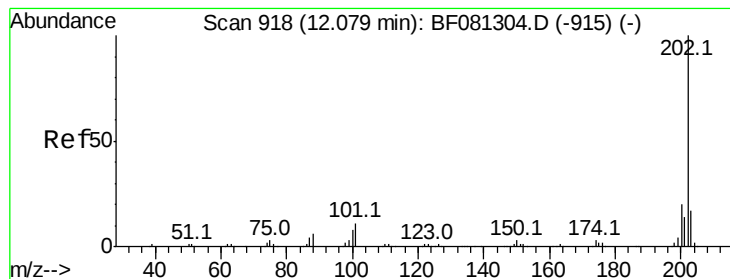


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.47 ng

RT: 21.39 min Scan# 1776

Delta R.T. -0.04 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

Instrument :

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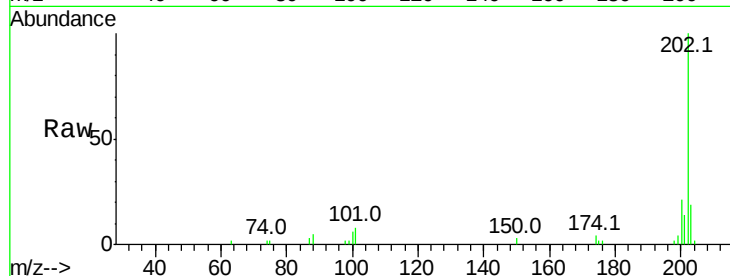
Tgt Ion:202 Resp: 24577

Ion Ratio Lower Upper

202 100

101 8.4 0.0 38.3

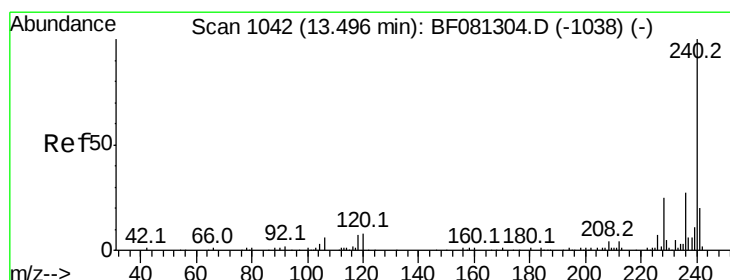
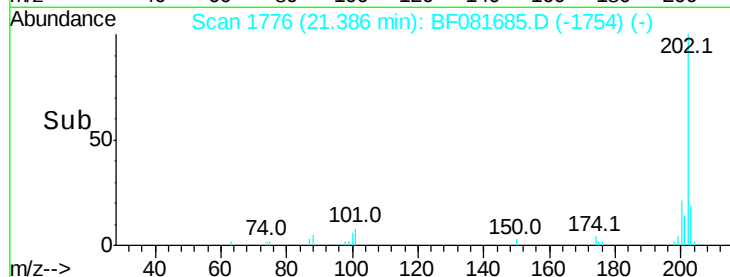
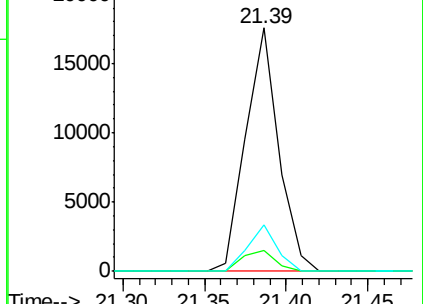
203 18.9 0.0 37.3



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: 23.34 min Scan# 1947

Delta R.T. -0.04 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

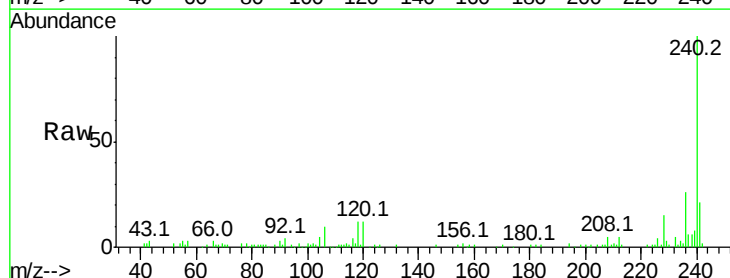
Tgt Ion:240 Resp: 115745

Ion Ratio Lower Upper

240 100

120 12.2 16.2 24.2#

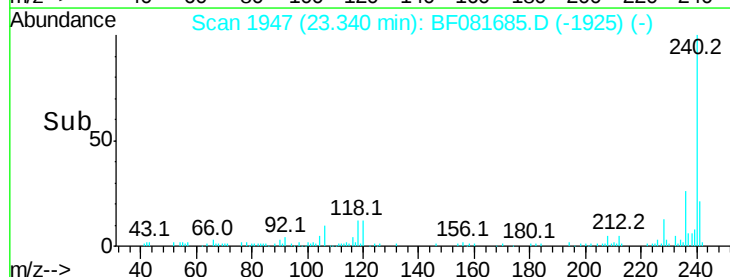
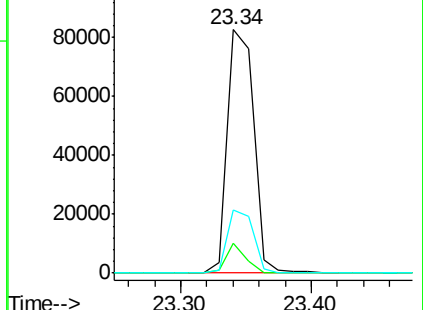
236 26.0 18.4 27.6

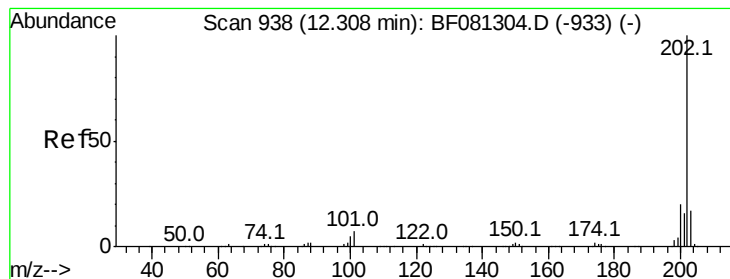


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.77 ng

RT: 21.74 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

Instrument :

BNA_F

ClientSampleId :

SB-14(0-0.16)

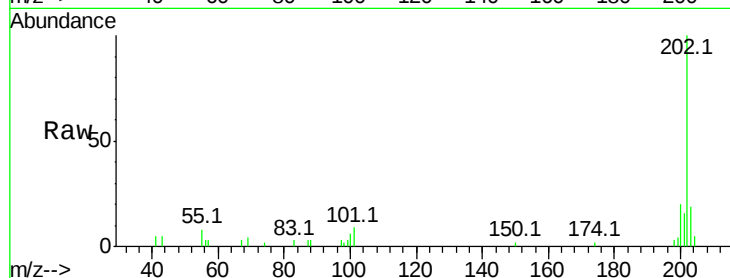
Tgt Ion:202 Resp: 23734

Ion Ratio Lower Upper

202 100

200 20.3 15.0 22.4

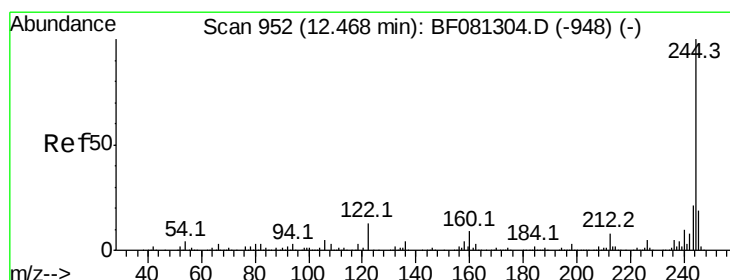
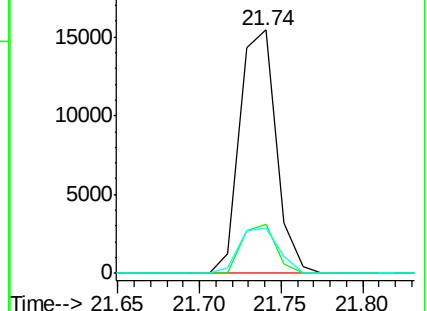
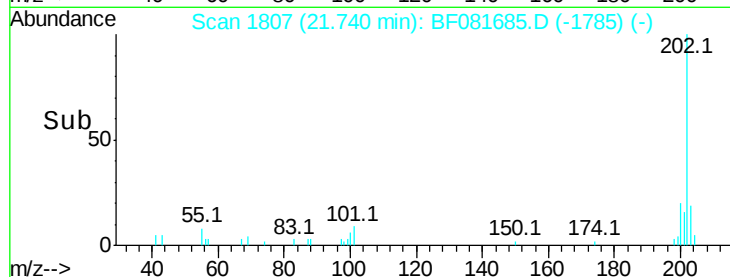
203 18.6 14.1 21.1



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: 65.95 ng

RT: 22.07 min Scan# 1836

Delta R.T. -0.04 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

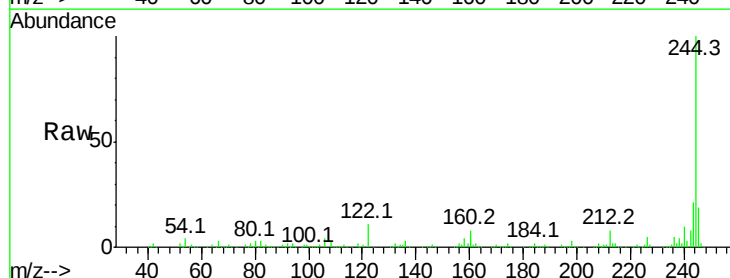
Tgt Ion:244 Resp: 327921

Ion Ratio Lower Upper

244 100

212 8.2 4.3 6.5#

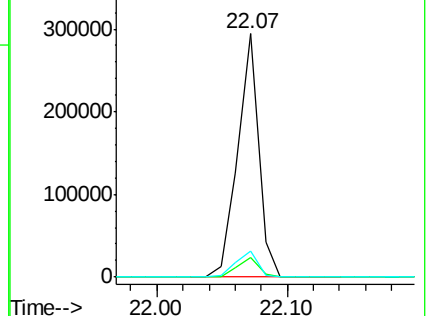
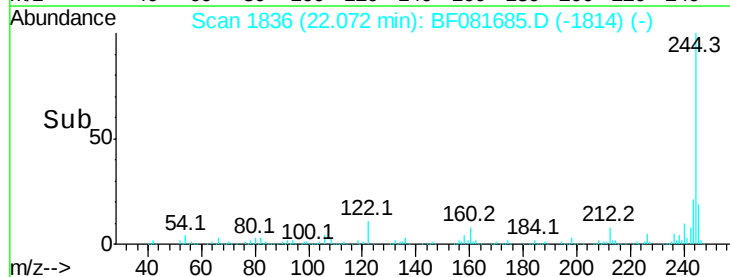
122 10.8 17.4 26.2#

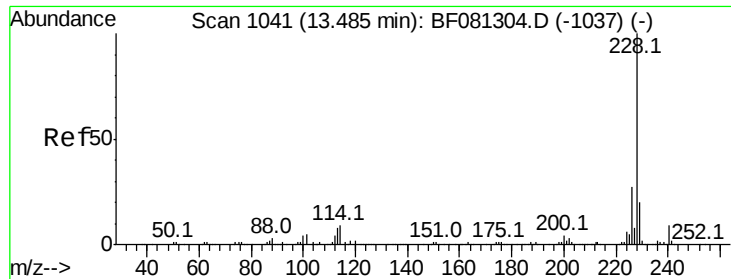


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.18 ng

RT: 23.34 min Scan# 1947

Delta R.T. -0.03 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

Instrument :

BNA_F

ClientSampleId :

SB-14(0-0.16)

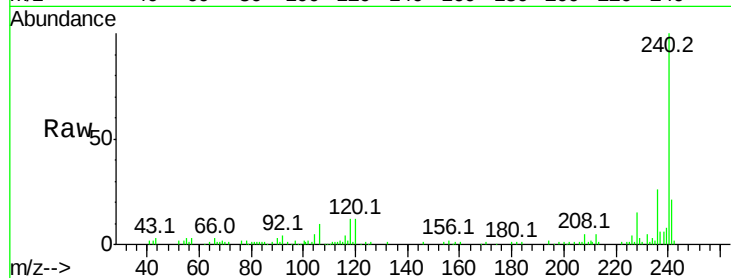
Tgt Ion:228 Resp: 16039

Ion Ratio Lower Upper

228 100

226 27.3 20.0 30.0

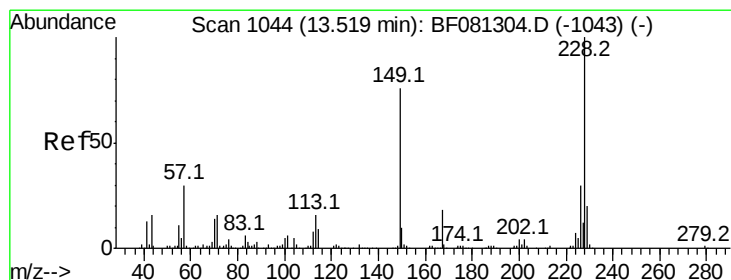
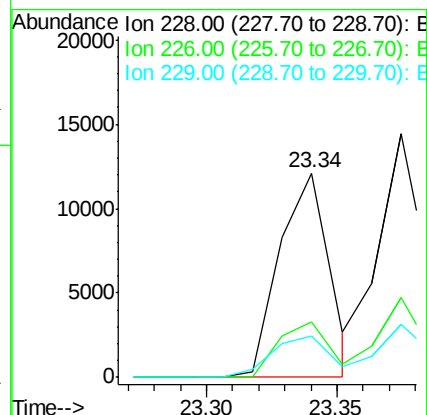
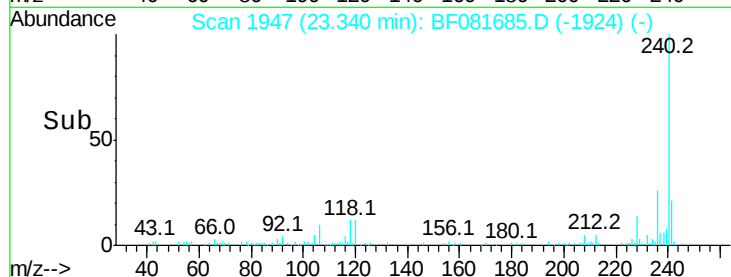
229 20.2 15.4 23.2



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: 2.70 ng m

RT: 23.37 min Scan# 1950

Delta R.T. -0.04 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

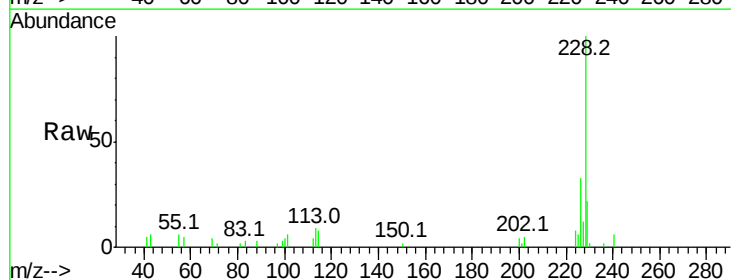
Tgt Ion:228 Resp: 17821

Ion Ratio Lower Upper

228 100

226 32.8 21.0 31.4#

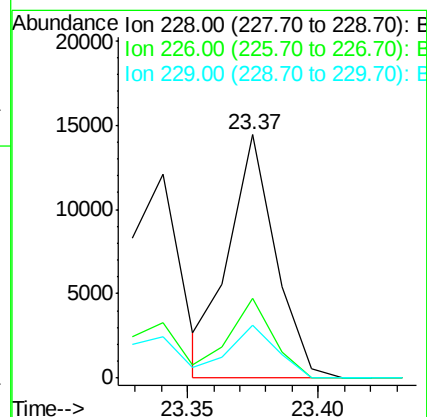
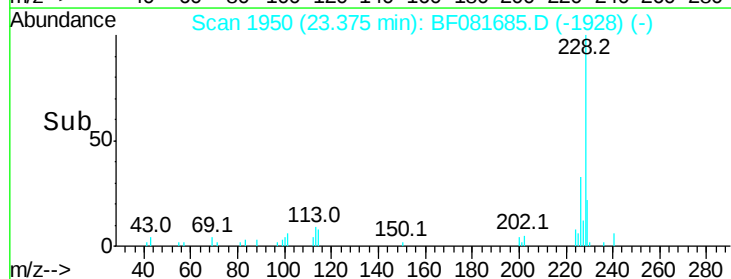
229 22.0 15.6 23.4

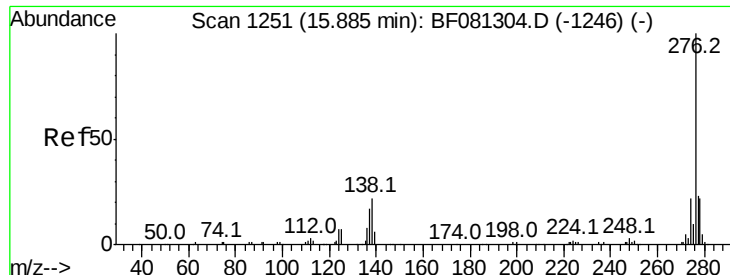


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.16 ng

RT: 25.82 min Scan# 2164

Delta R.T. -0.06 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

Instrument :

BNA_F

ClientSampleId :

SB-14(0-0.16)

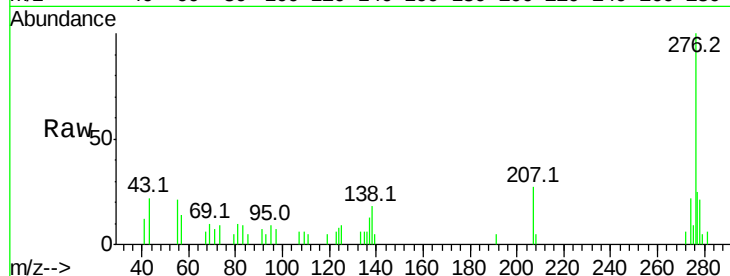
Tgt Ion:276 Resp: 10483

Ion Ratio Lower Upper

276 100

138 14.9 25.7 38.5#

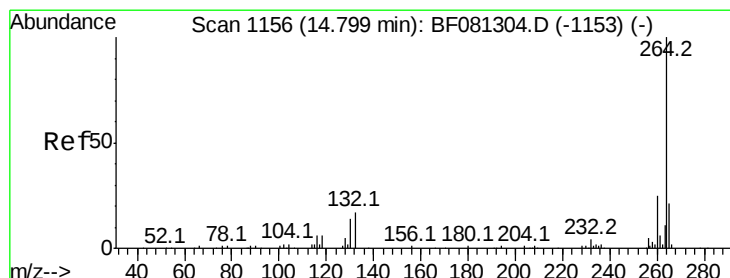
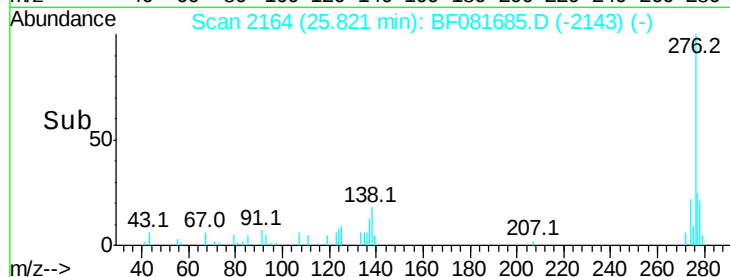
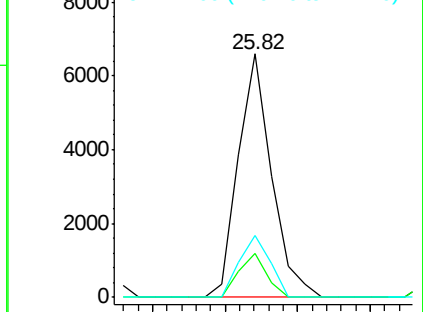
277 23.1 15.6 23.4



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: 24.78 min Scan# 2073

Delta R.T. -0.03 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

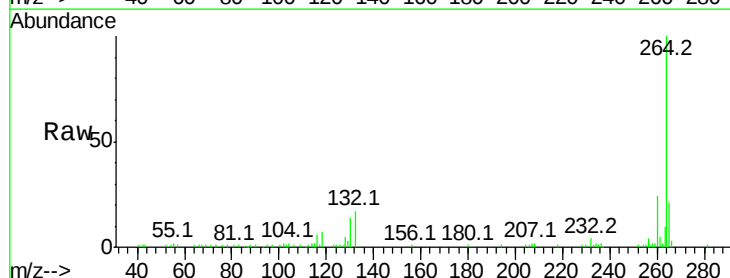
Tgt Ion:264 Resp: 74922

Ion Ratio Lower Upper

264 100

260 23.6 16.7 25.1

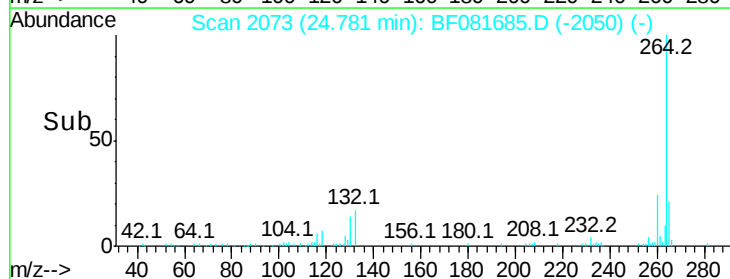
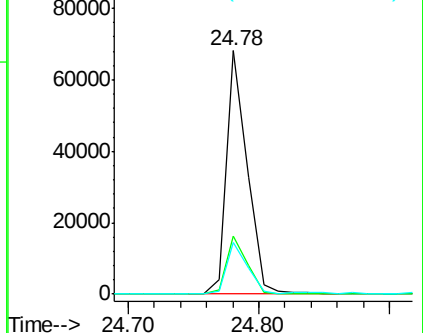
265 21.4 17.2 25.8

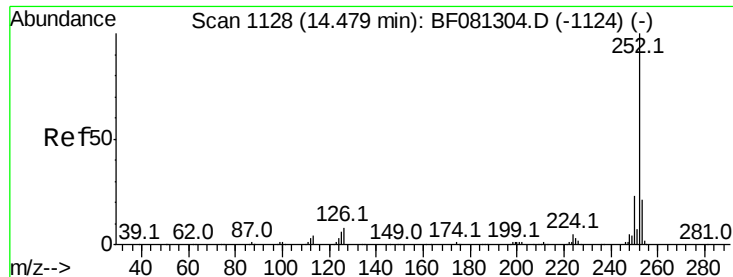


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

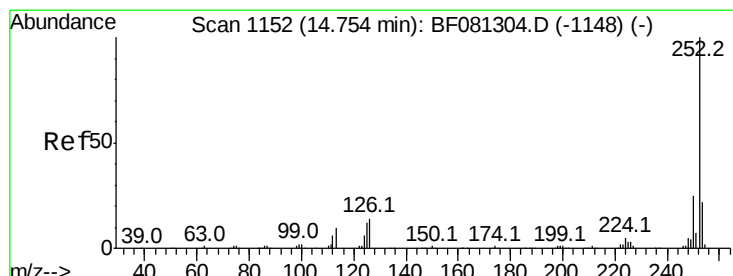
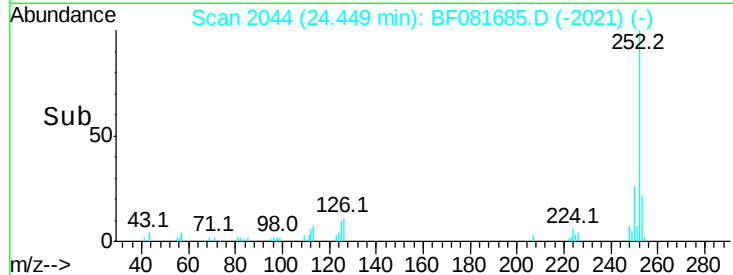
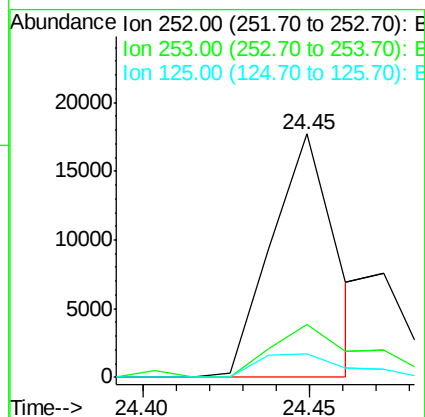
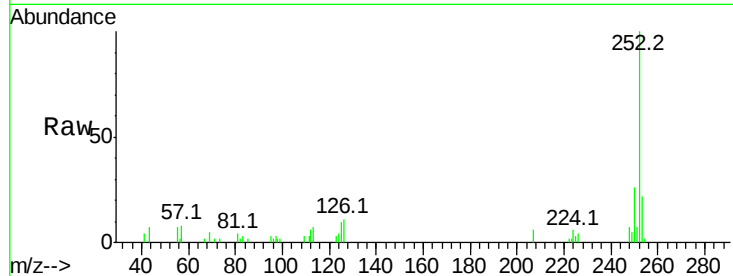




#87
Benzo(b)fluoranthene
Concen: 4.40 ng m
RT: 24.45 min Scan# 2044
Delta R.T. -0.03 min
Lab File: BF081685.D
Acq: 17 Sep 2015 18:53

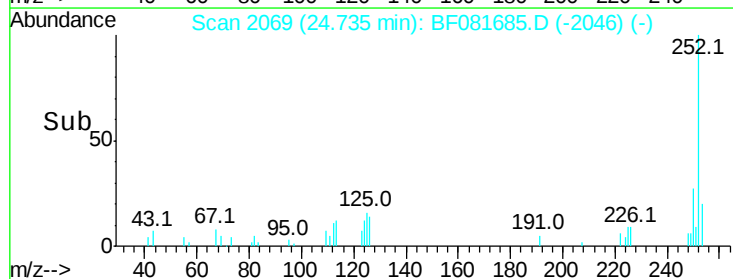
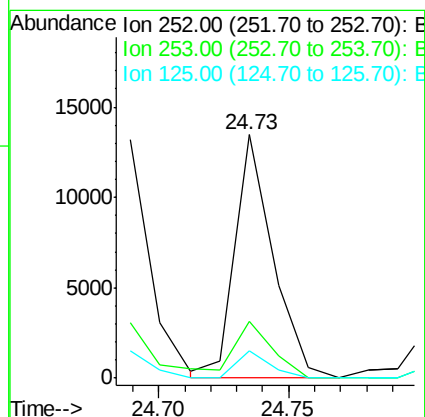
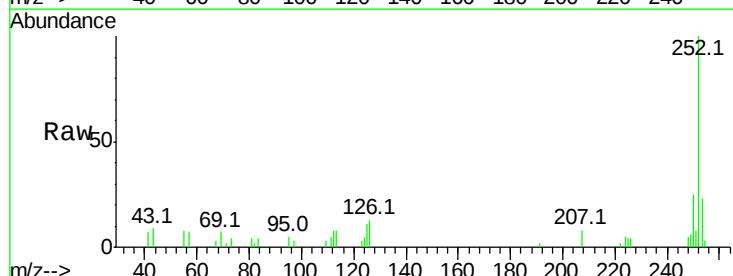
Instrument :
BNA_F
ClientSampleId :
SB-14(0-0.16)

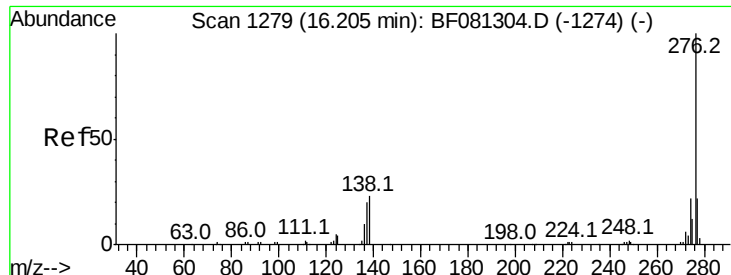
Tgt Ion:252 Resp: 23549
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 9.6 17.1 25.7#



#89
Benzo(a)pyrene
Concen: 3.05 ng m
RT: 24.73 min Scan# 2069
Delta R.T. -0.03 min
Lab File: BF081685.D
Acq: 17 Sep 2015 18:53

Tgt Ion:252 Resp: 13812
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 11.5 18.0 27.0#





#91

Benzo(g,h,i)perylene

Concen: 3.01 ng

RT: 26.12 min Scan# 2190

Delta R.T. -0.06 min

Lab File: BF081685.D

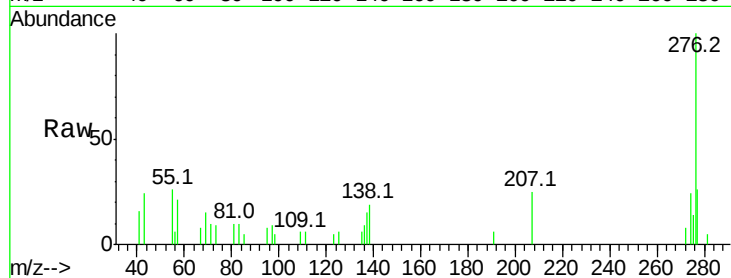
Acq: 17 Sep 2015 18:53

Instrument :

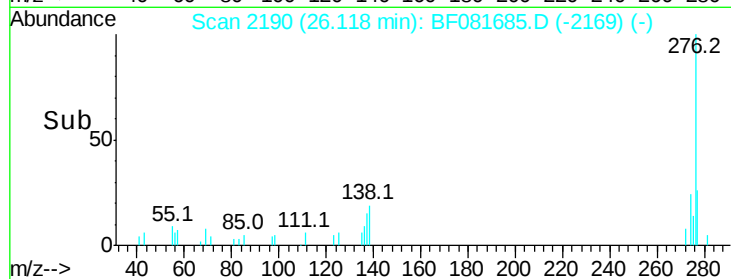
BNA_F

ClientSampleId :

SB-14(0-0.16)



Tgt Ion:	276	Resp:	10053
Ion Ratio	Lower	Upper	
276	100		
277	26.1	17.8	26.6
138	19.4	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

