

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 00:53:30 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

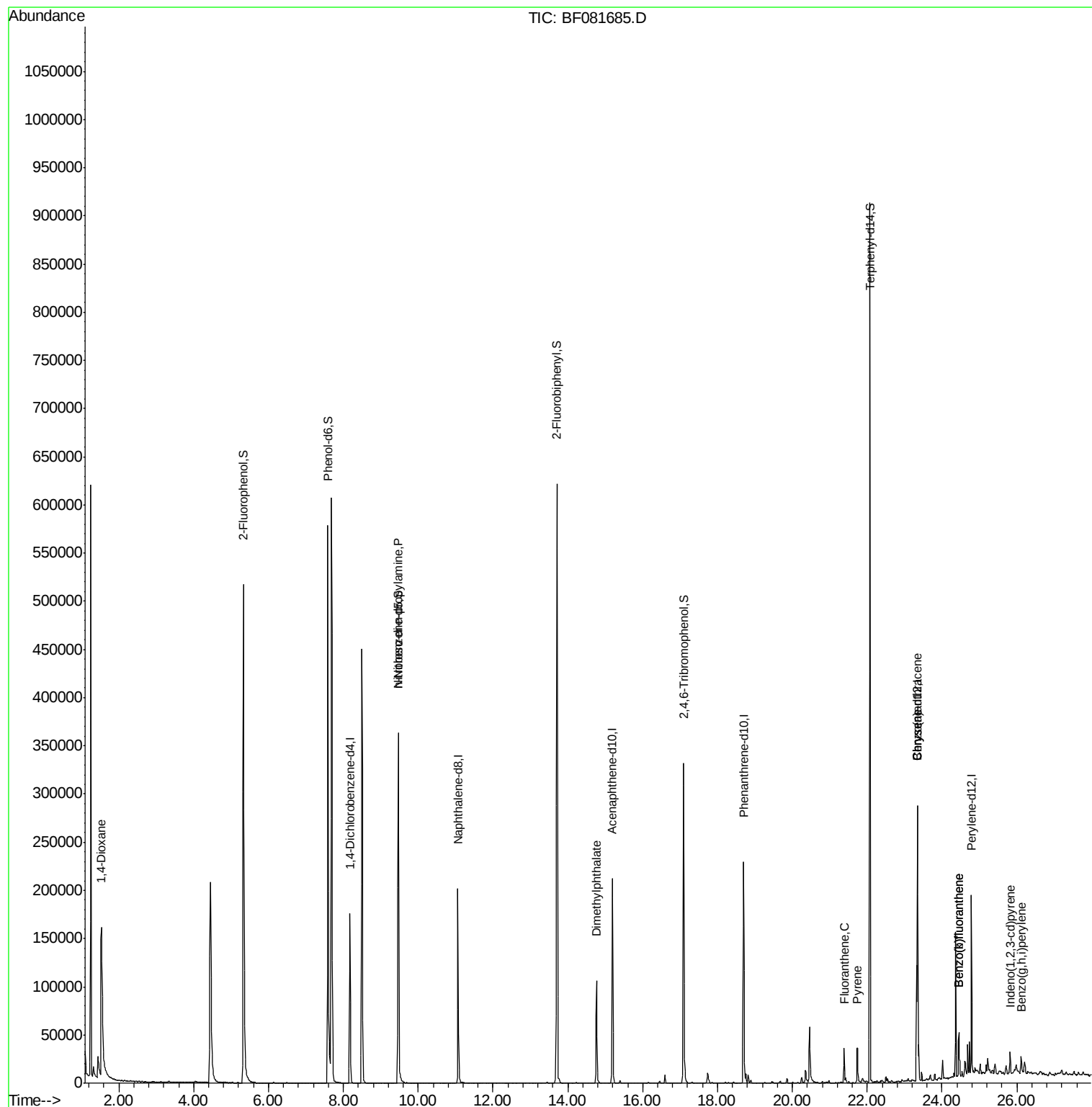
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	44465	20.00	ng	-0.04
21) Naphthalene-d8	11.06	136	176060	20.00	ng	-0.06
38) Acenaphthene-d10	15.19	164	82081	20.00	ng	-0.07
63) Phenanthrene-d10	18.70	188	165495	20.00	ng	-0.06
75) Chrysene-d12	23.34	240	115745	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						
2) 1,4-Dioxane	1.53	88	8543	6.64	ng	# 11
19) n-Nitroso-di-n-propylamine	9.46	70	29200	11.31	ng	# 66
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	23.34	228	16039	2.43	ng	98
85) Indeno(1,2,3-cd)pyrene	25.82	276	10483	2.16	ng	# 78
87) Benzo(b)fluoranthene	24.45	252	30115	5.63	ng	# 88
88) Benzo(k)fluoranthene	24.45	252	30115	6.79	ng	# 88
91) Benzo(g,h,i)perylene	26.12	276	10053	3.01	ng	# 73

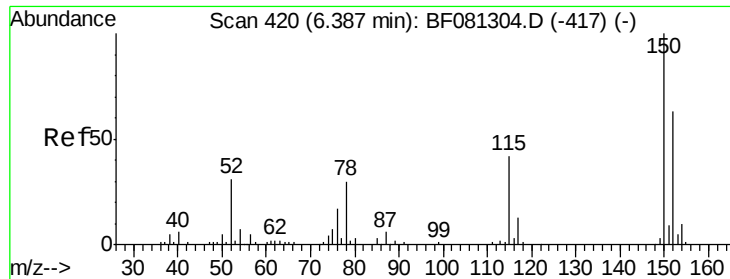
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
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Misc :
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SB-14(0-0.16)

Quant Time: Sep 18 00:53:30 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
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QLast Update : Tue Sep 15 14:03:59 2015
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)

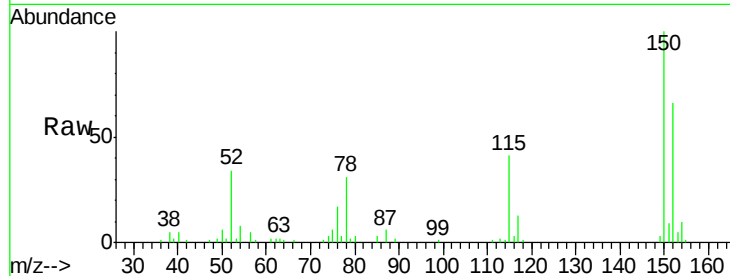
Tgt Ion:152 Resp: 44465

Ion Ratio Lower Upper

152 100

150 152.4 124.7 187.1

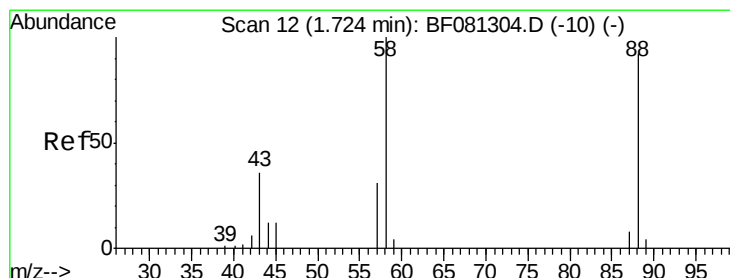
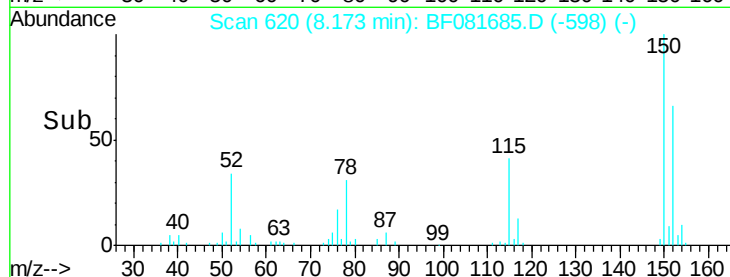
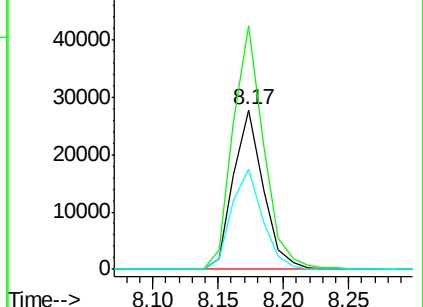
115 62.8 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 6.64 ng

RT: 1.53 min Scan# 39

Delta R.T. -0.03 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

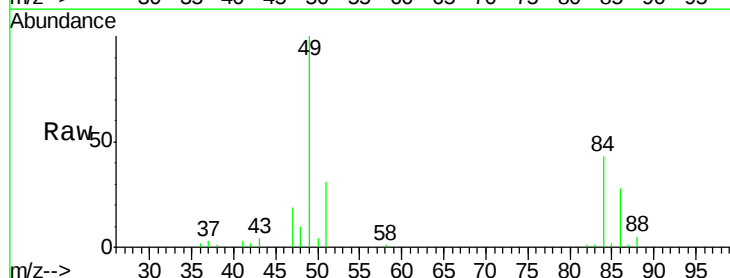
Tgt Ion: 88 Resp: 8543

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

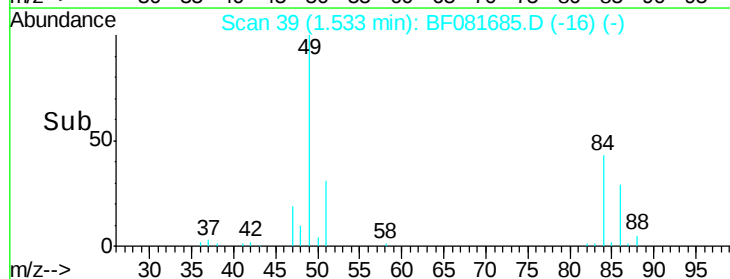
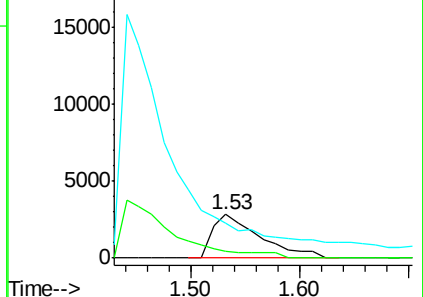
43 0.0 26.6 40.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 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

Instrument :

BNA_F

ClientSampleId :

SB-14(0-0.16)

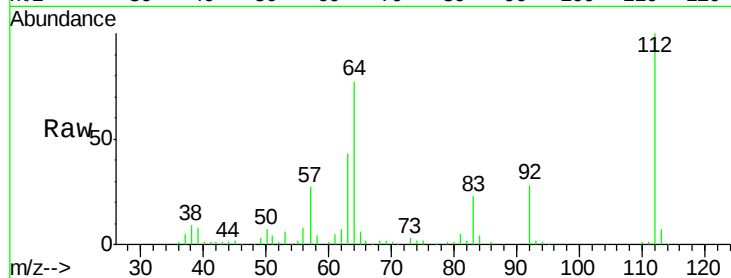
Tgt Ion: 112 Resp: 237737

Ion Ratio Lower Upper

112 100

64 77.4 39.7 59.5#

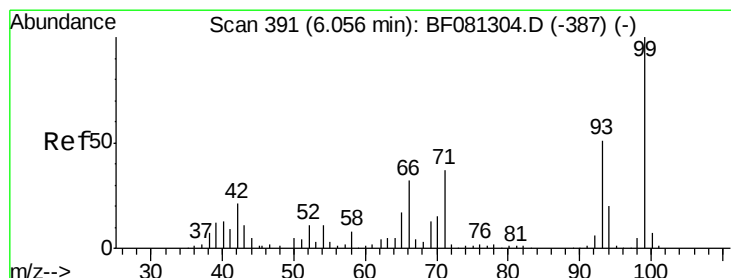
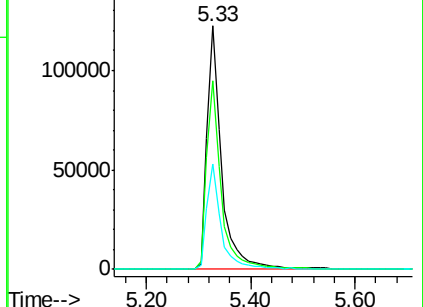
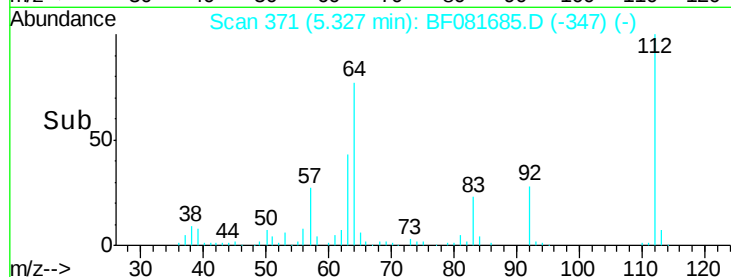
63 43.3 17.4 26.0#



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

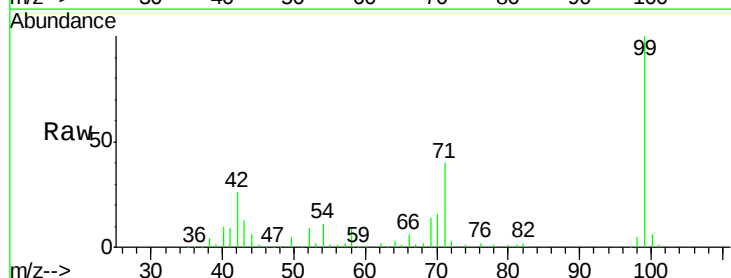
Tgt Ion: 99 Resp: 331912

Ion Ratio Lower Upper

99 100

42 26.0 13.7 20.5#

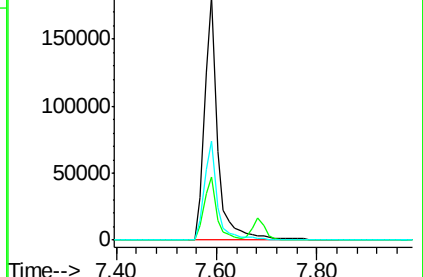
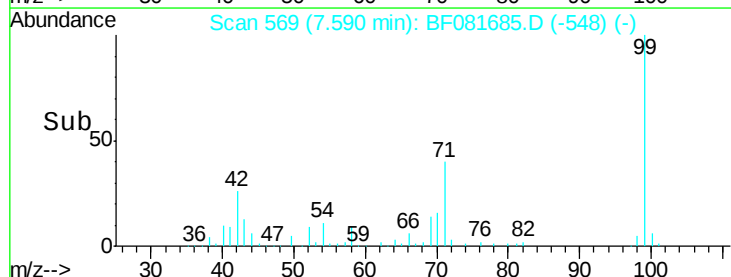
71 40.5 14.2 21.2#

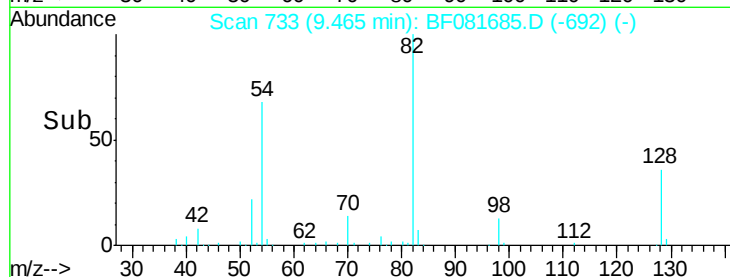
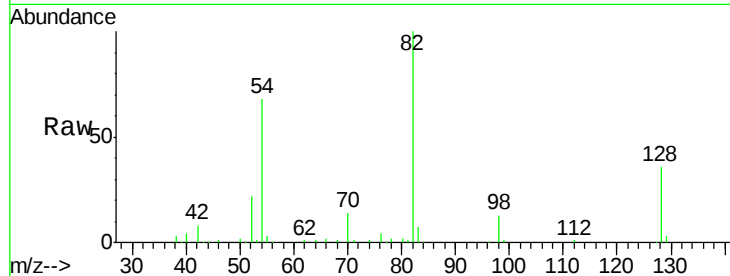
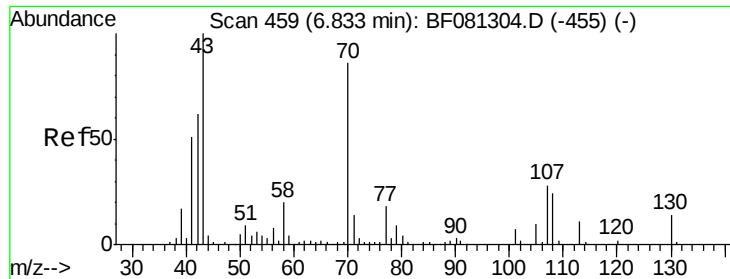


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

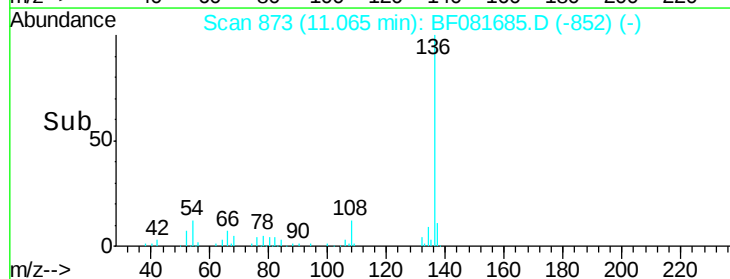
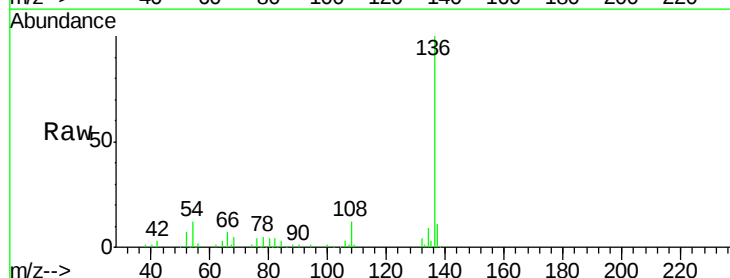
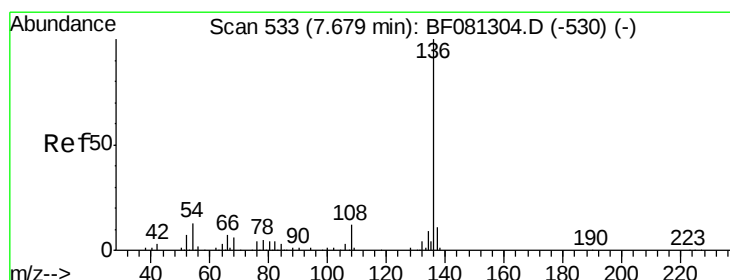
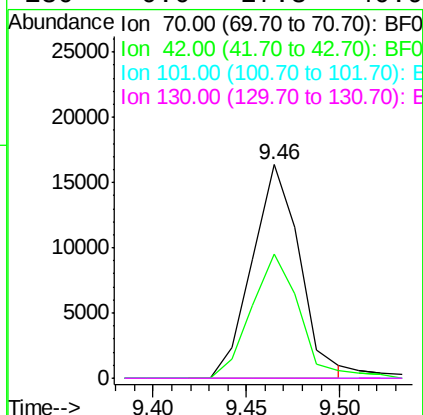




#19
n-Nitroso-di-n-propylamine
Concen: 11.31 ng
RT: 9.46 min Scan# 733
Delta R.T. 0.17 min
Lab File: BF081685.D
Acq: 17 Sep 2015 18:53

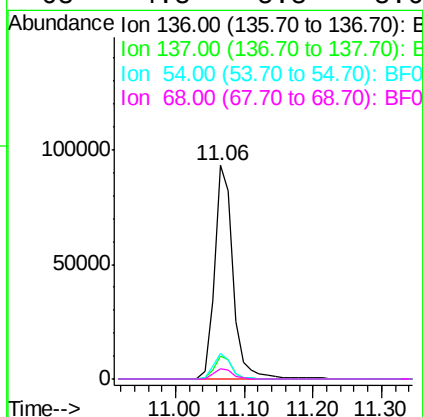
Instrument :
BNA_F
ClientSampleId :
SB-14(0-0.16)

Tgt Ion:	70	Resp:	29200
Ion Ratio	Lower	Upper	
70	100		
42	58.4	63.8	95.6#
101	0.0	9.2	13.8#
130	0.0	27.3	40.9#



#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#

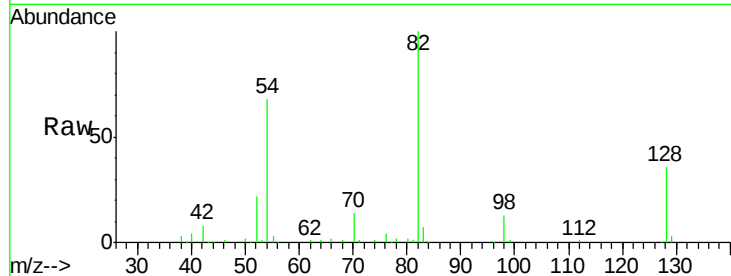




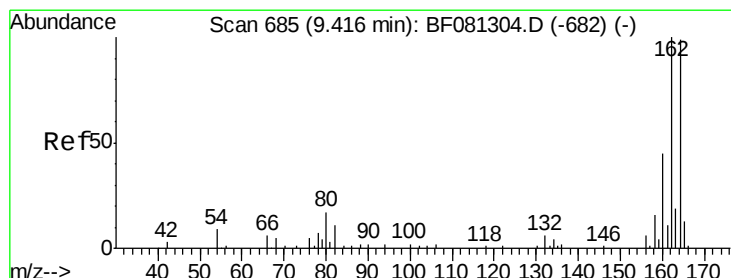
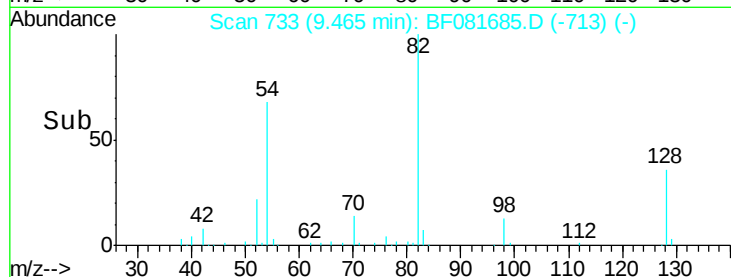
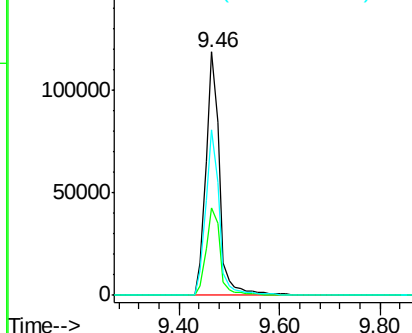
#23
 Nitrobenzene-d5
 Concen: 61.29 ng
 RT: 9.46 min Scan# 733
 Delta R.T. -0.07 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

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

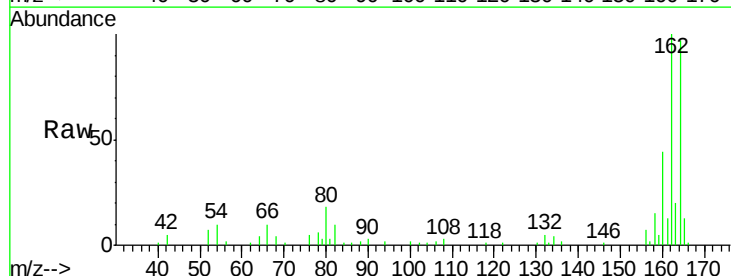


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

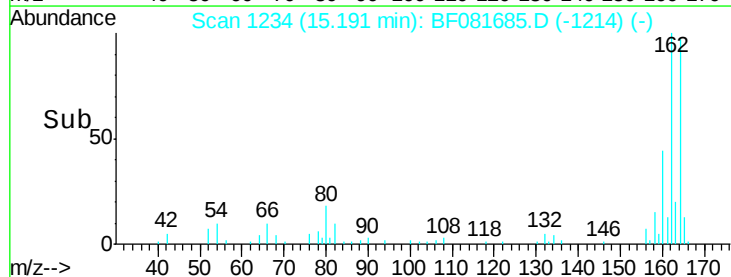
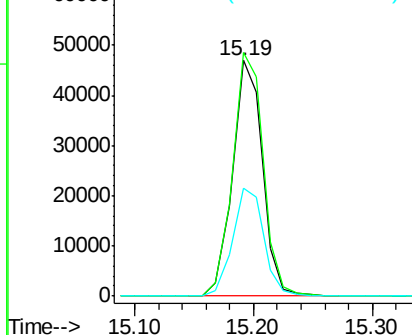


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.19 min Scan# 1234
 Delta R.T. -0.07 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

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



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

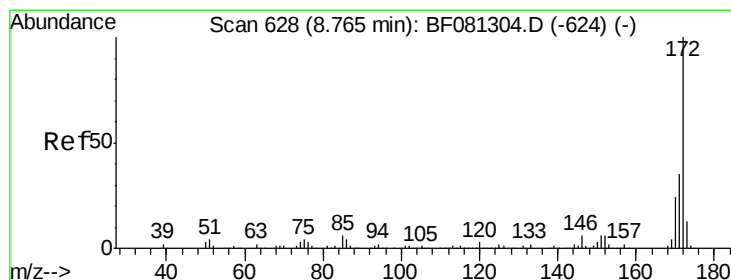
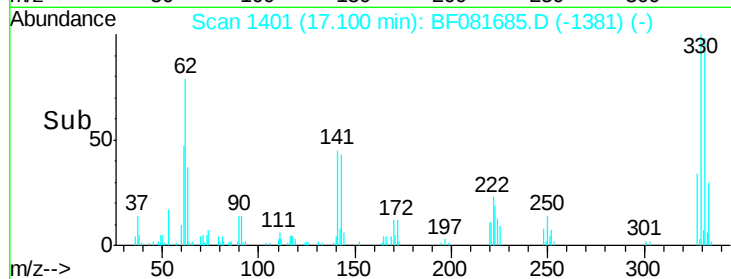
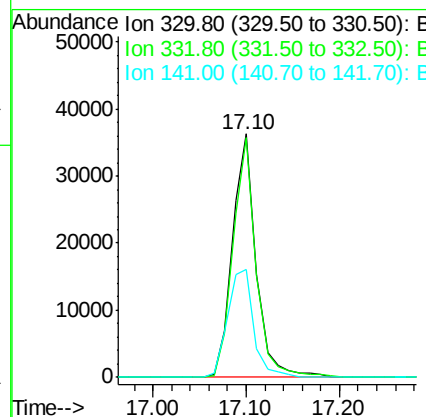
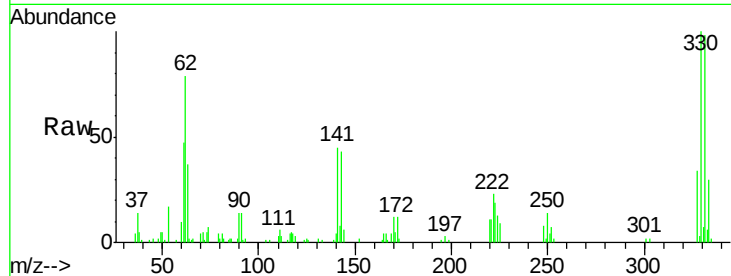




#41
 2,4,6-Tribromophenol
 Concen: 87.66 ng
 RT: 17.10 min Scan# 1401
 Delta R.T. -0.07 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

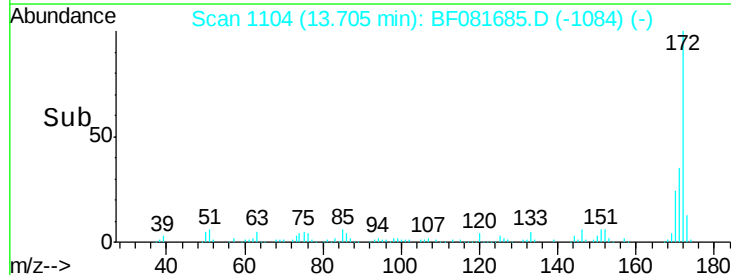
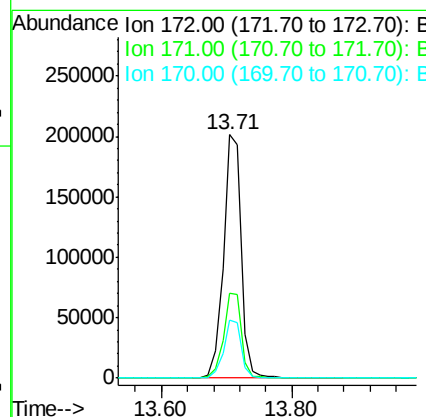
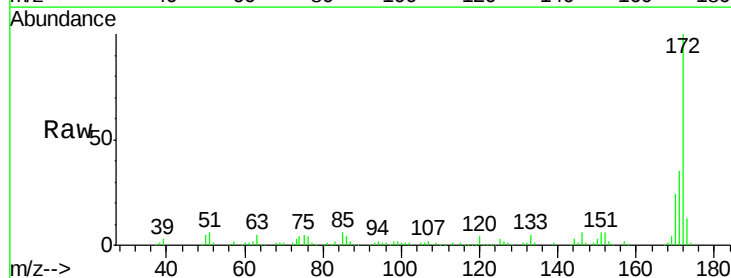
Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0-0.16)

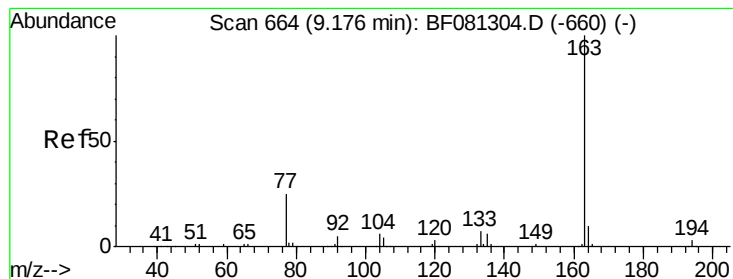
Tgt Ion:330 Resp: 64068
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 48.7 29.7 44.5#



#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





#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)

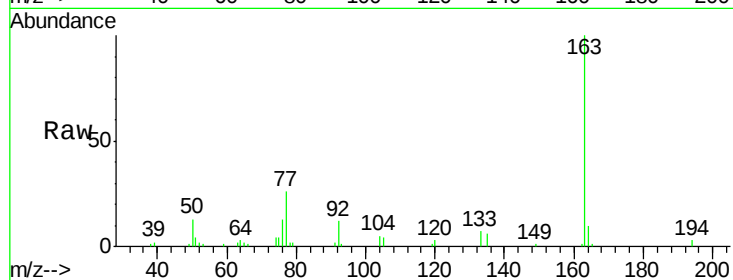
Tgt Ion:163 Resp: 75637

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

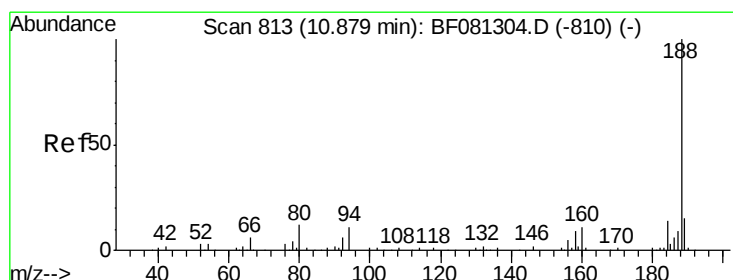
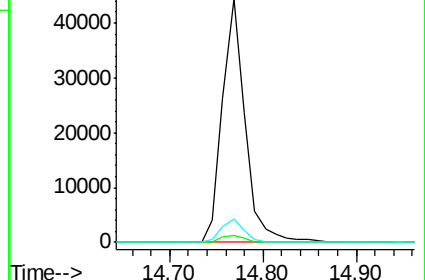
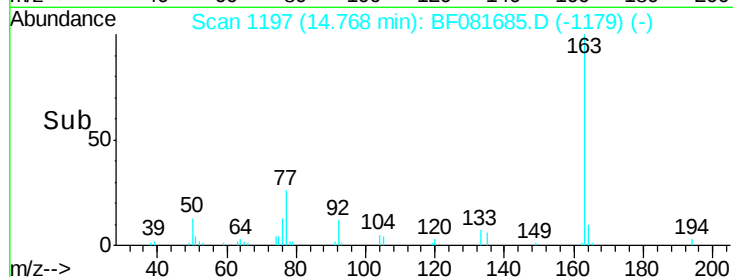
164 9.7 8.3 12.5



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

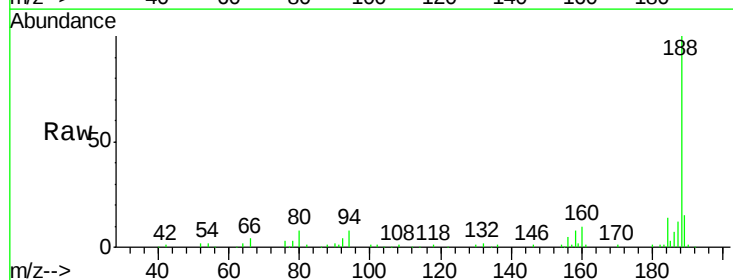
Tgt Ion:188 Resp: 165495

Ion Ratio Lower Upper

188 100

94 7.7 11.1 16.7#

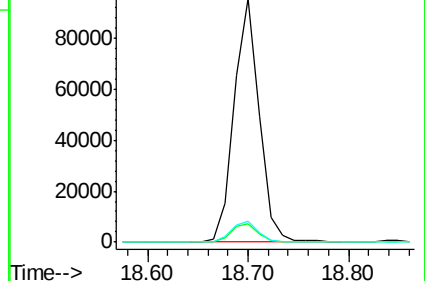
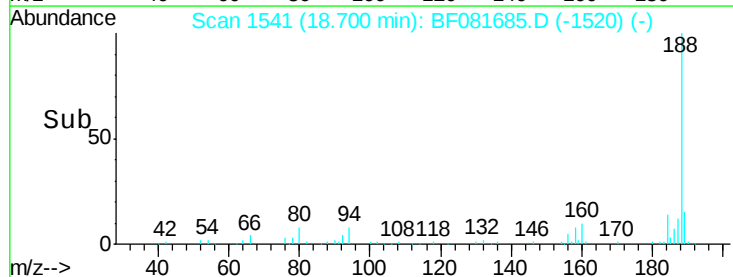
80 8.5 11.0 16.4#

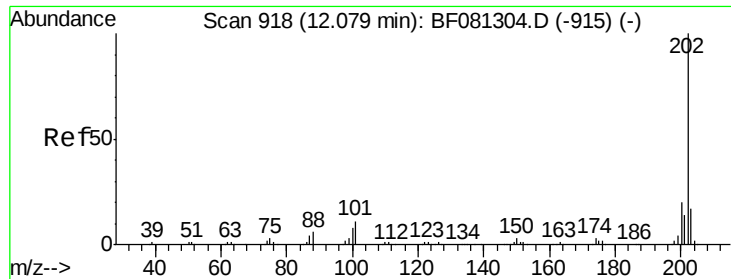


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

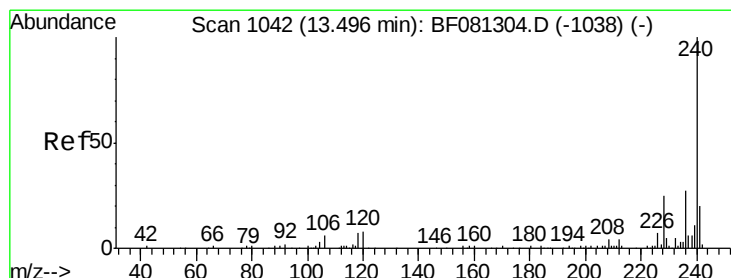
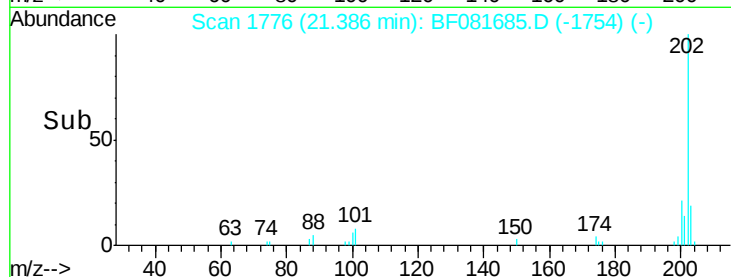
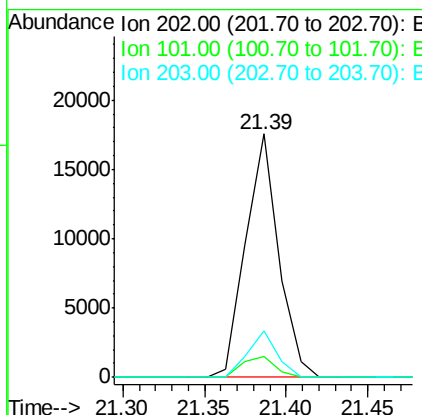
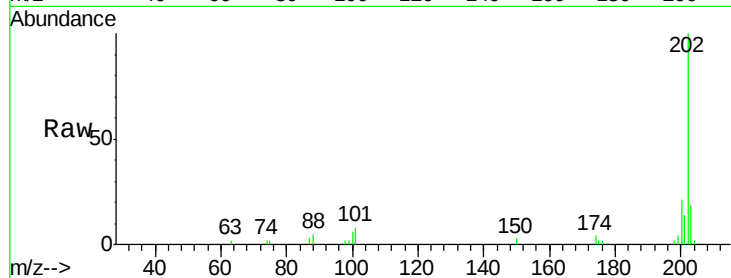




#74
 Fluoranthene
 Concen: 2.47 ng
 RT: 21.39 min Scan# 1776
 Delta R.T. -0.04 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

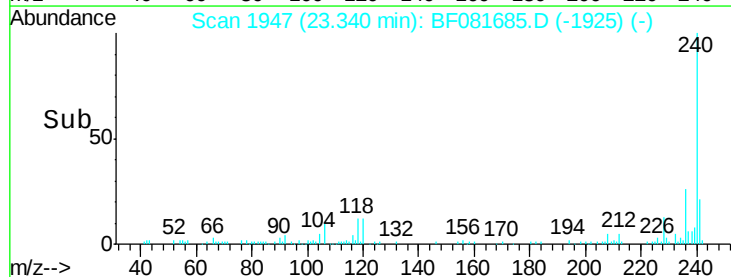
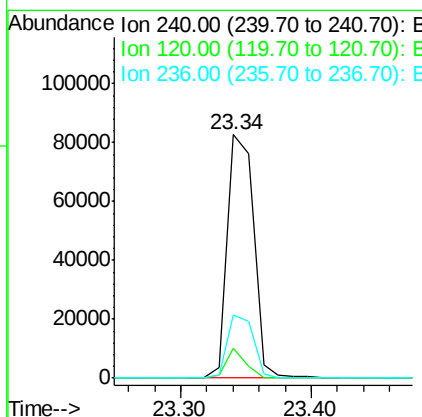
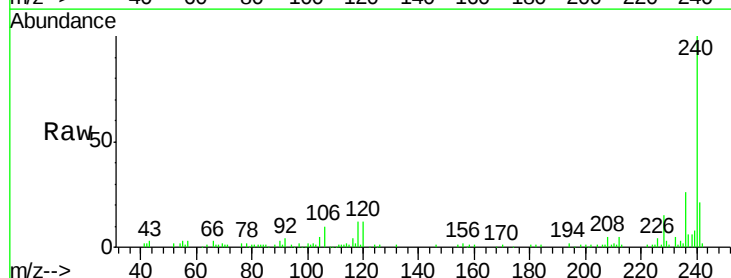
Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0-0.16)

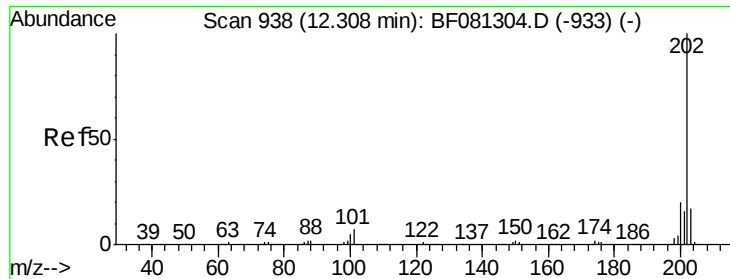
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	38.3
203	18.9	0.0	37.3



#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	Ratio	Lower	Upper
240	100		
120	12.2	16.2	24.2#
236	26.0	18.4	27.6

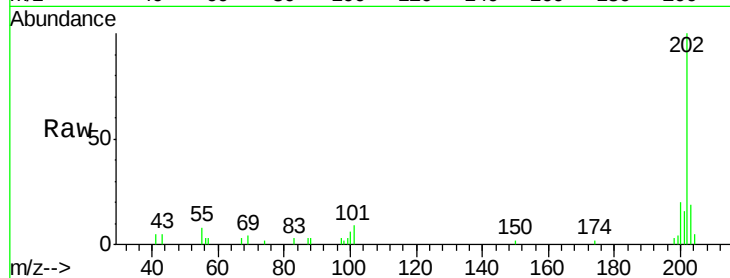




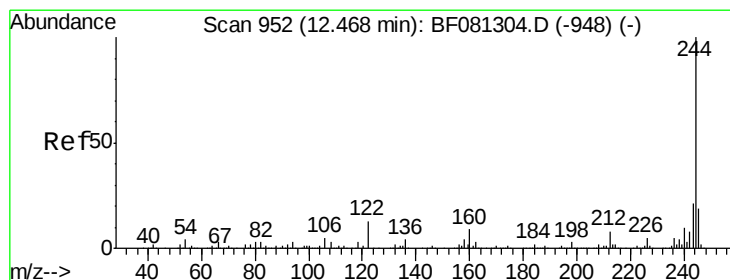
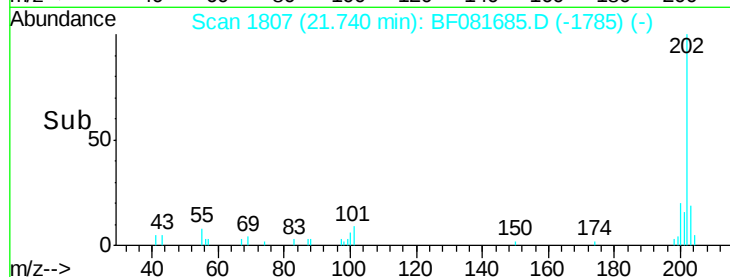
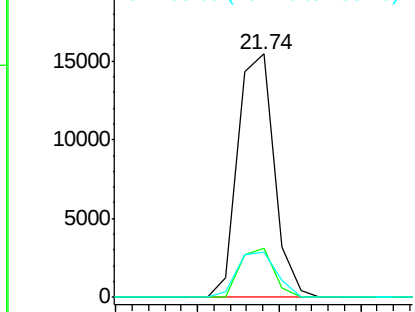
#77
 Pyrene
 Concen: 2.77 ng
 RT: 21.74 min Scan# 1807
 Delta R.T. -0.04 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

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

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	15.0	22.4
203	18.6	14.1	21.1

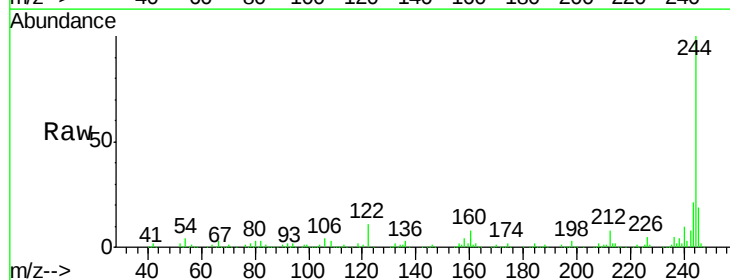


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

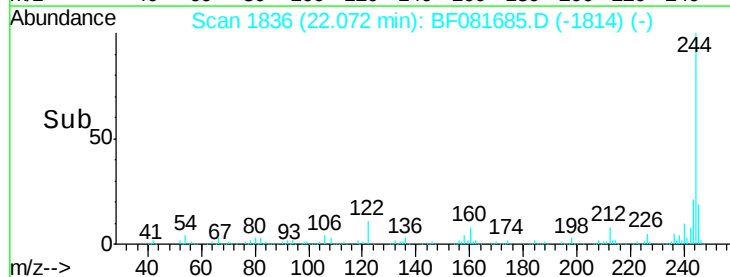
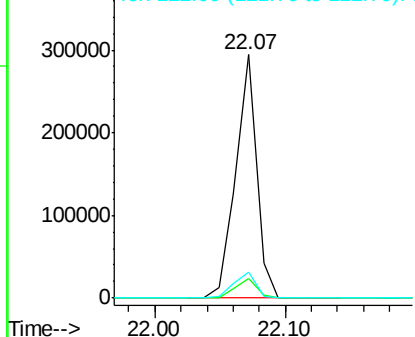


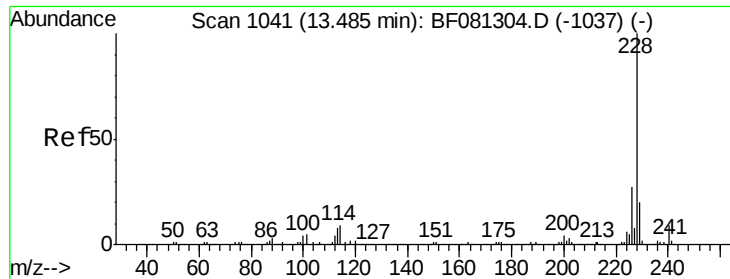
#78
 Terphenyl-d14
 Concen: 65.95 ng
 RT: 22.07 min Scan# 1836
 Delta R.T. -0.04 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

Tgt Ion	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)

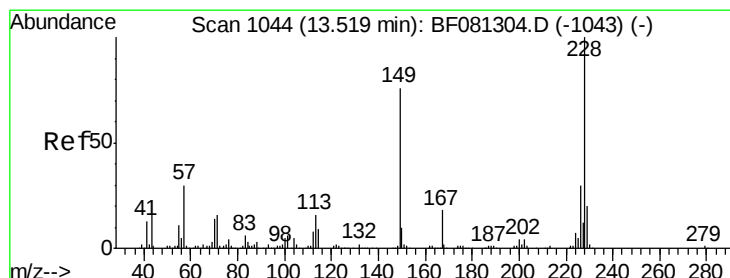
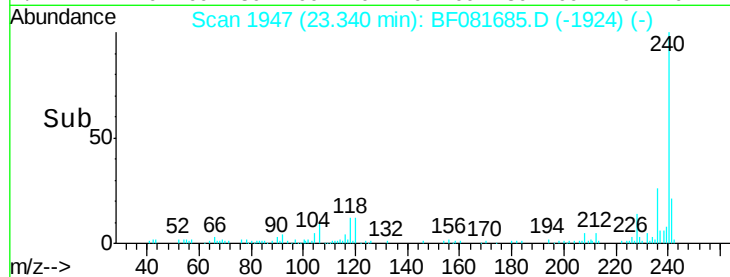
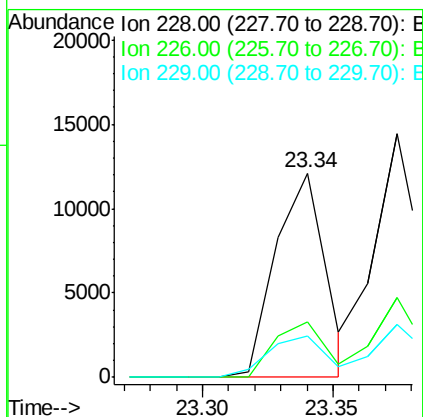
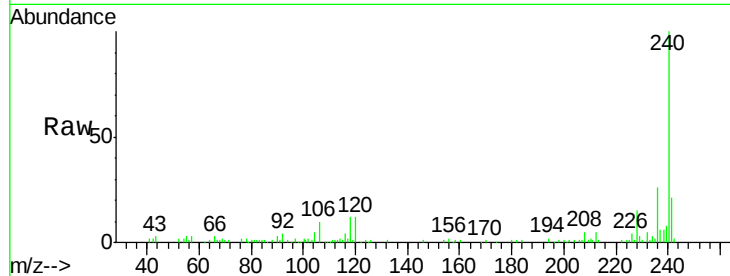
Tgt Ion:228 Resp: 16039

Ion Ratio Lower Upper

228 100

226 27.3 20.0 30.0

229 20.2 15.4 23.2



#82

Chrysene

Concen: 2.43 ng

RT: 23.34 min Scan# 1947

Delta R.T. -0.08 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

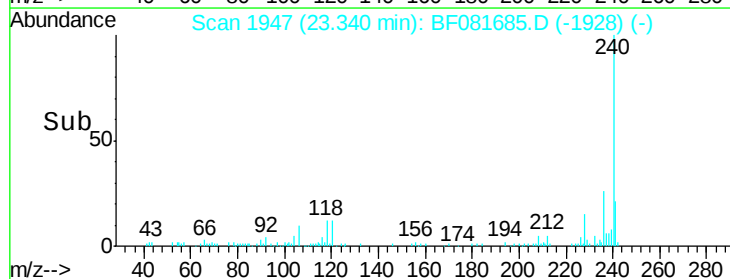
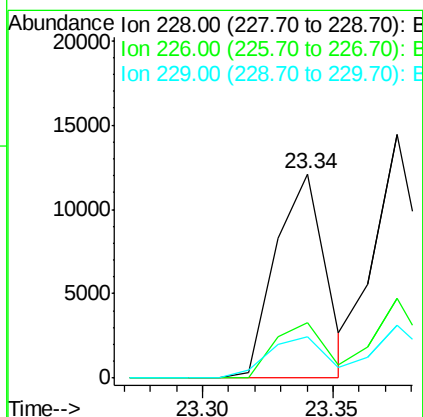
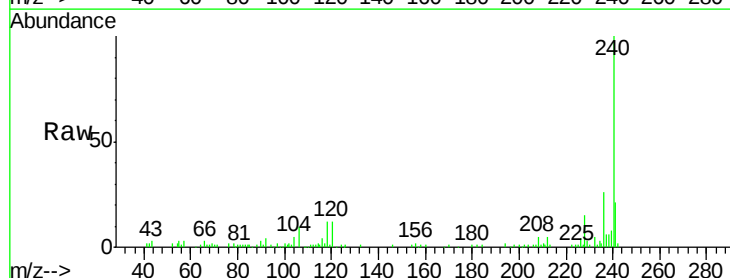
Tgt Ion:228 Resp: 16039

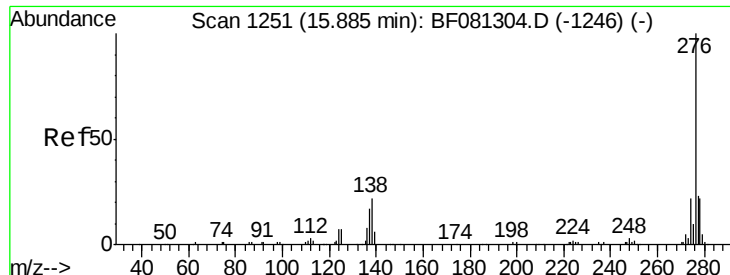
Ion Ratio Lower Upper

228 100

226 27.3 21.0 31.4

229 20.2 15.6 23.4

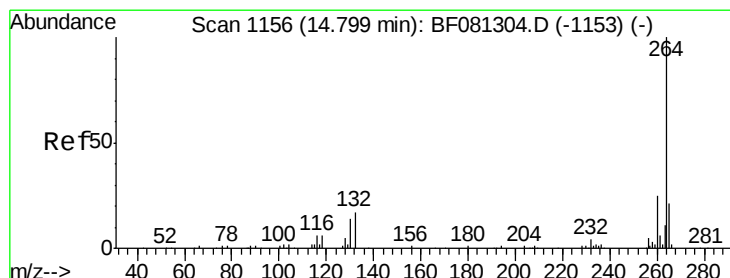
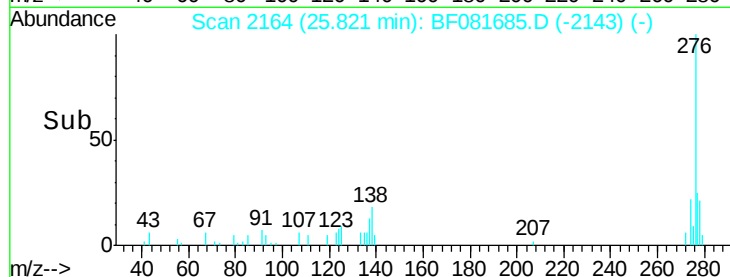
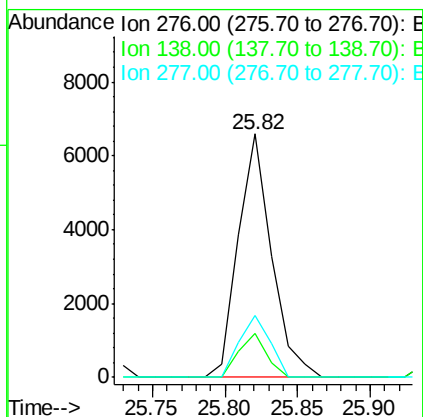
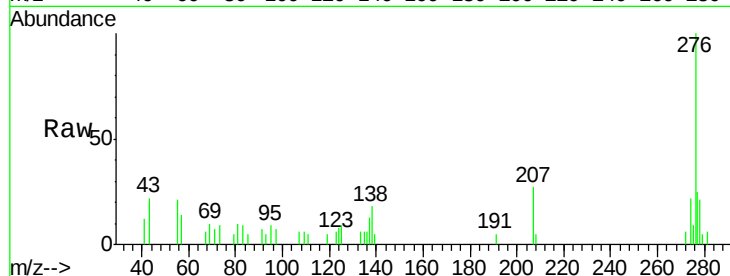




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.16 ng
 RT: 25.82 min Scan# 2164
 Delta R.T. -0.06 min
 Lab File: BF081685.D
 Acq: 17 Sep 2015 18:53

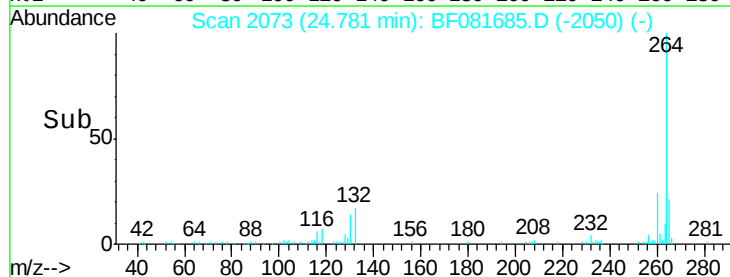
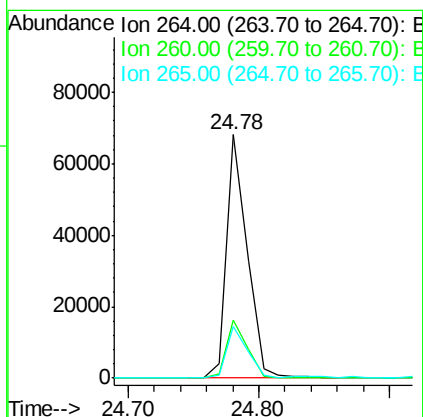
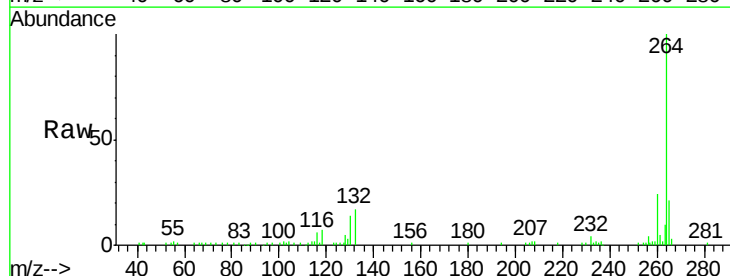
Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0-0.16)

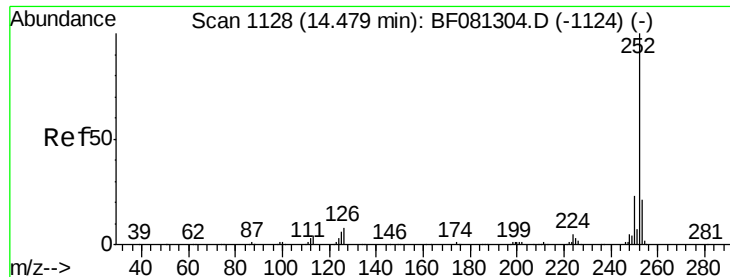
Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.9	25.7	38.5#
277	23.1	15.6	23.4



#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	Ratio	Lower	Upper
264	100		
260	23.6	16.7	25.1
265	21.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.63 ng

RT: 24.45 min Scan# 2044

Delta R.T. -0.03 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

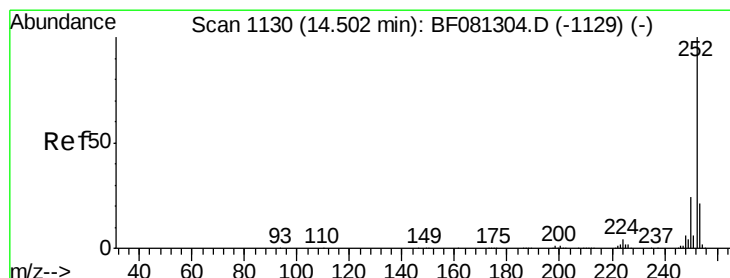
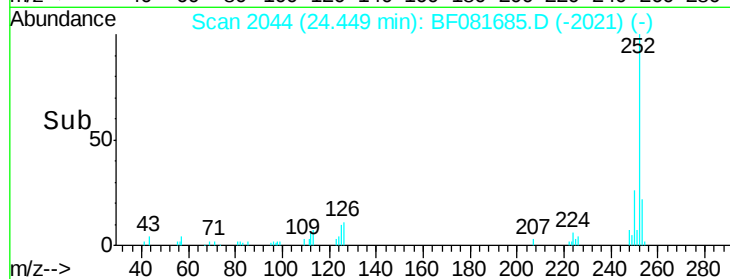
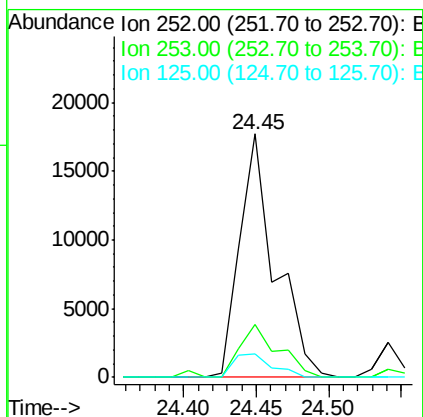
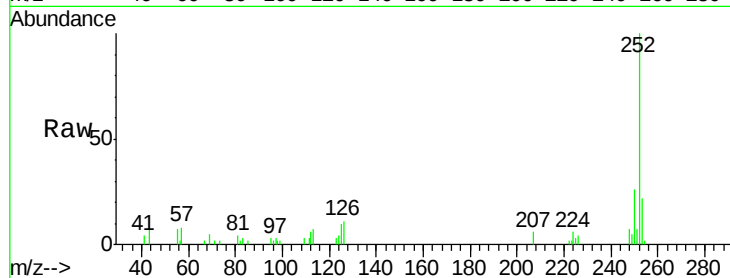
Instrument :

BNA_F

ClientSampleId :

SB-14(0-0.16)

Tgt Ion:	252	Resp:	30115
Ion Ratio		Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.6	17.1	25.7#



#88

Benzo(k)fluoranthene

Concen: 6.79 ng

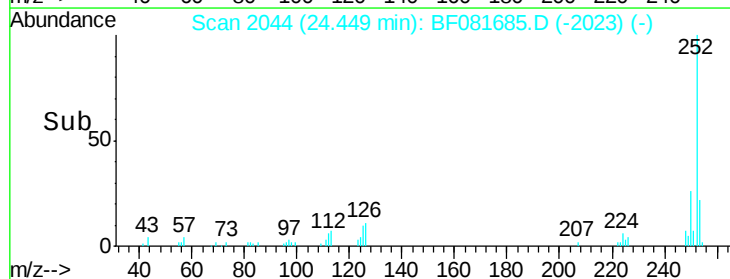
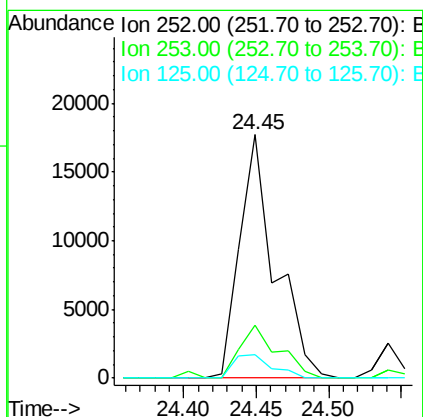
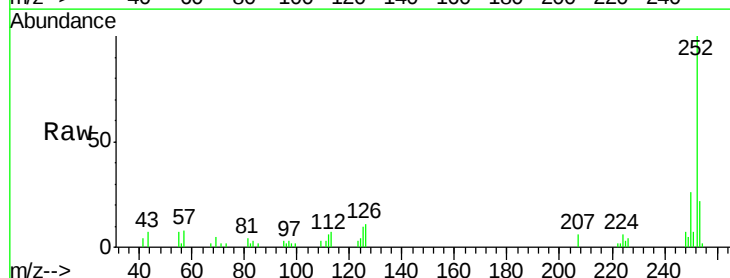
RT: 24.45 min Scan# 2044

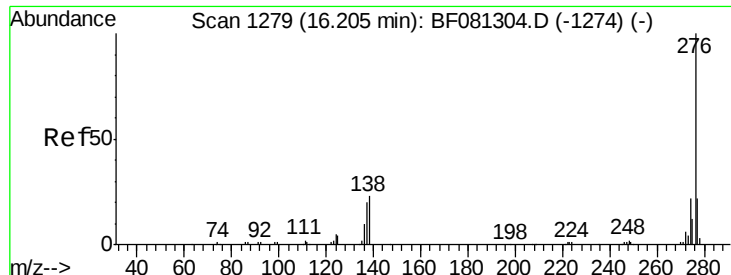
Delta R.T. -0.06 min

Lab File: BF081685.D

Acq: 17 Sep 2015 18:53

Tgt Ion:	252	Resp:	30115
Ion Ratio		Lower	Upper
252	100		
253	21.8	17.0	25.4
125	9.6	16.0	24.0#





#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

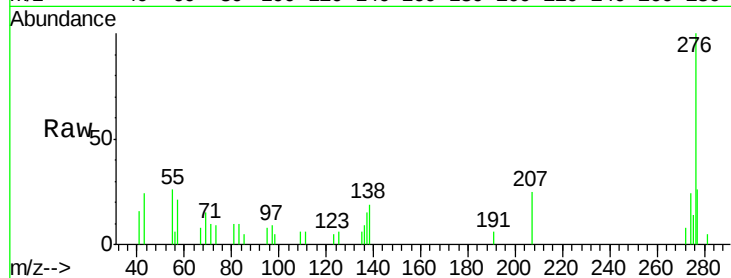
Acq: 17 Sep 2015 18:53

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#

