

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081575.D
 Acq On : 10 Sep 2015 19:43
 Operator : UM/IZ
 Sample : G3590-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TYB1(2-2.5)

Quant Time: Sep 11 00:44:14 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	8.26	152	51759	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	202906	20.00	ng	-0.01
38) Acenaphthene-d10	15.29	164	90315	20.00	ng	-0.01
63) Phenanthrene-d10	18.80	188	153776	20.00	ng	-0.01
75) Chrysene-d12	23.41	240	95335	20.00	ng	-0.01
86) Perylene-d12	24.85	264	76537	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	314037	94.13	ng	0.02
7) Phenol-d6	7.69	99	446144	101.03	ng	0.00
23) Nitrobenzene-d5	9.57	82	312250	74.25	ng	0.00
41) 2,4,6-Tribromophenol	17.20	330	76397	95.00	ng	-0.01
44) 2-Fluorobiphenyl	13.81	172	517868	73.48	ng	-0.01
78) Terphenyl-d14	22.14	244	291306	71.13	ng	-0.01

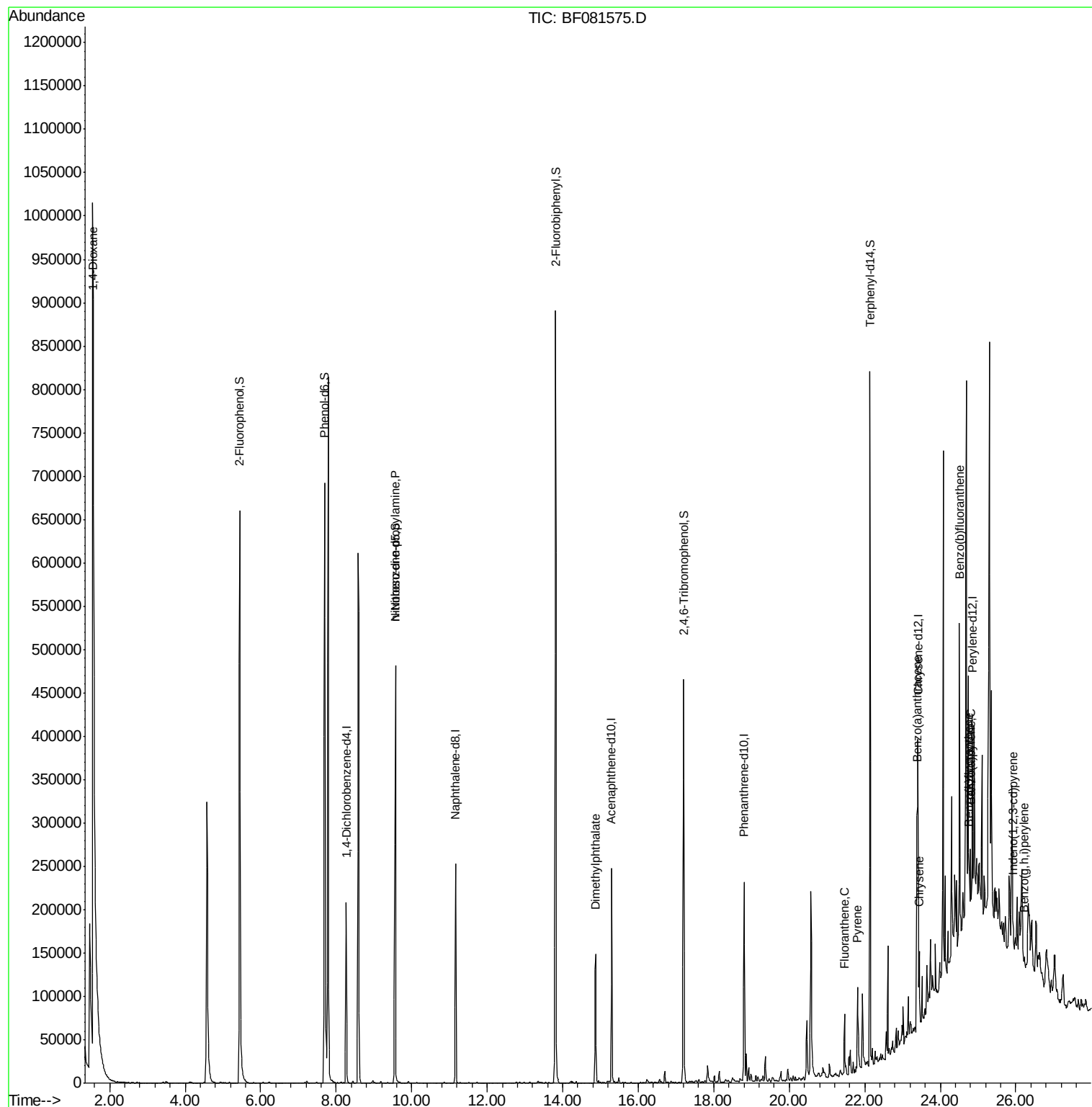
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.55	88	62551	41.75	ng	# 11
19) n-Nitroso-di-n-propylamine	9.57	70	42387	14.10	ng	# 64
49) Dimethylphthalate	14.87	163	110424	15.74	ng	# 97
74) Fluoranthene	21.46	202	40511	4.38	ng	87
77) Pyrene	21.81	202	37329	5.29	ng	99
80) Benzo(a)anthracene	23.40	228	16282	2.68	ng	# 84
82) Chrysene	23.44	228	15915	2.92	ng	# 89
85) Indeno(1,2,3-cd)pyrene	25.92	276	8931	2.24	ng	# 80
87) Benzo(b)fluoranthene	24.50	252	29973	5.49	ng	# 88
88) Benzo(k)fluoranthene	24.76	252	13891	3.06	ng	94
89) Benzo(a)pyrene	24.80	252	13641	2.95	ng	95
91) Benzo(g,h,i)perylene	26.23	276	8585	2.51	ng	# 80

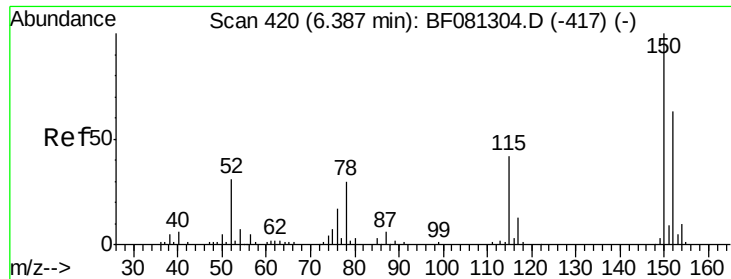
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

Instrument :

BNA_F

ClientSampleId :

TYB1(2-2.5)

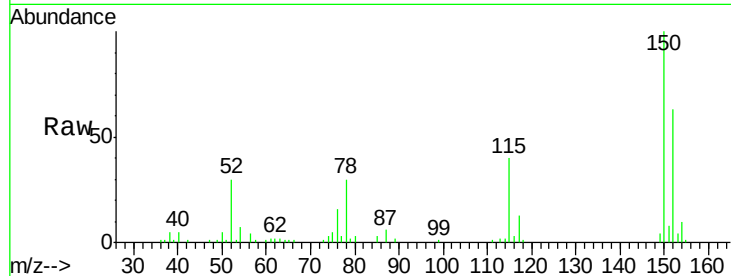
Tgt Ion:152 Resp: 51759

Ion Ratio Lower Upper

152 100

150 157.7 124.7 187.1

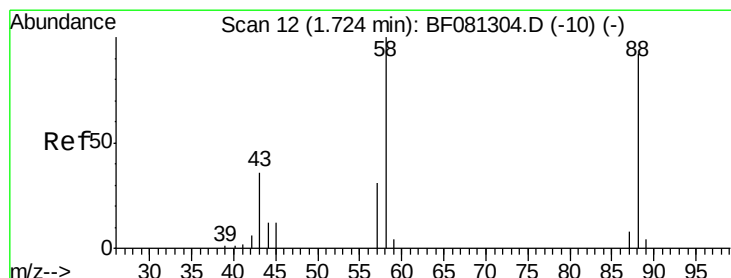
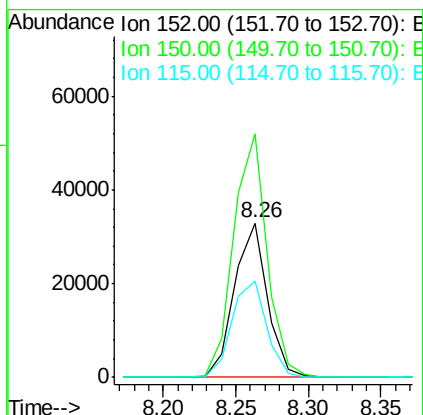
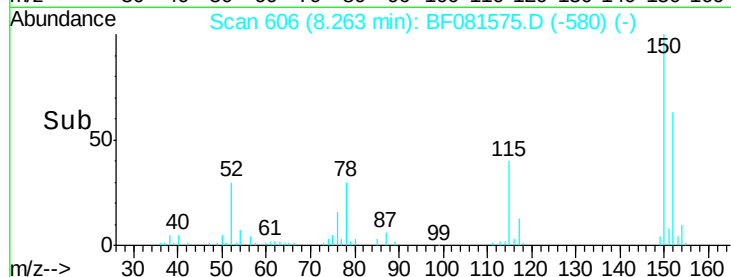
115 62.5 39.0 58.4#



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: 41.75 ng

RT: 1.55 min Scan# 19

Delta R.T. -0.05 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

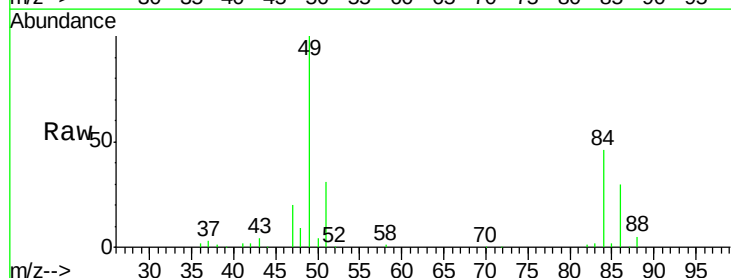
Tgt Ion: 88 Resp: 62551

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

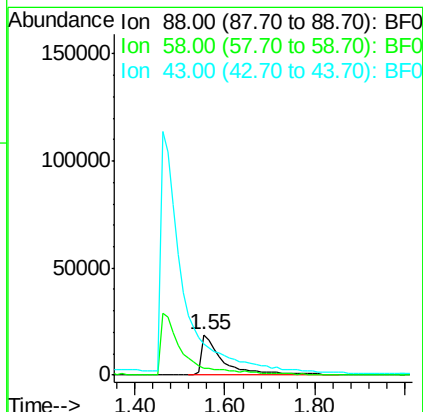
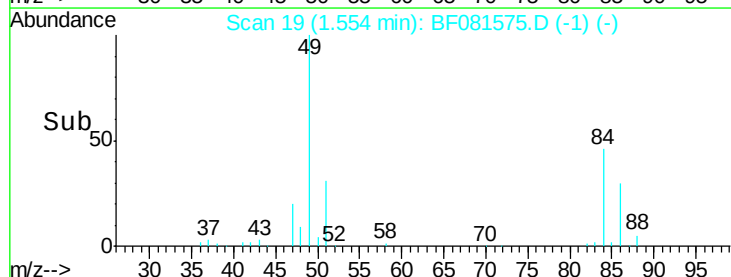
43 0.0 26.6 40.0#

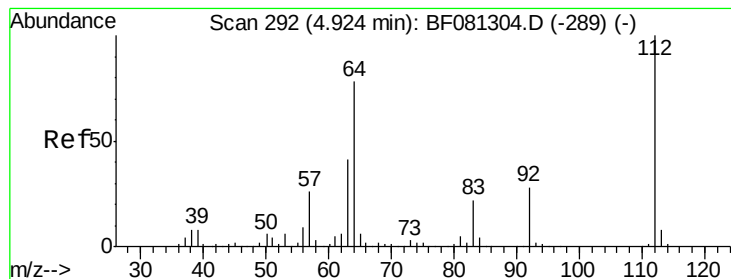


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 94.13 ng

RT: 5.44 min Scan# 359

Delta R.T. 0.02 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

Instrument :

BNA_F

ClientSampleId :

TYB1(2-2.5)

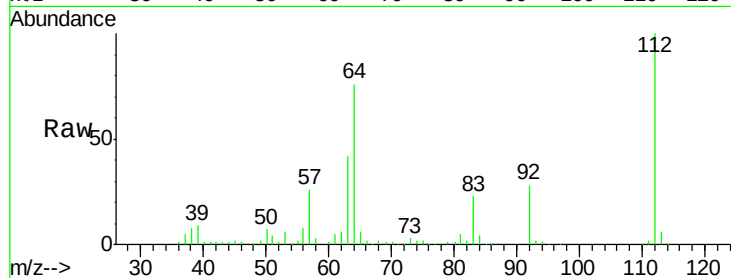
Tgt Ion: 112 Resp: 314037

Ion Ratio Lower Upper

112 100

64 76.4 39.7 59.5#

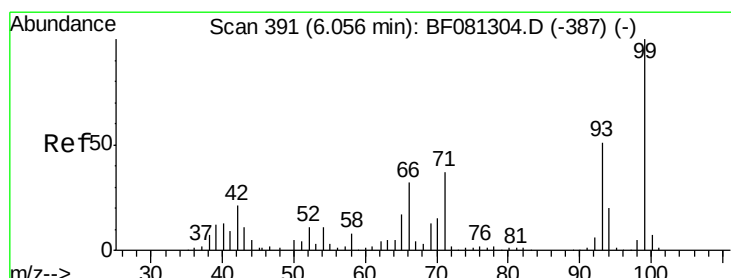
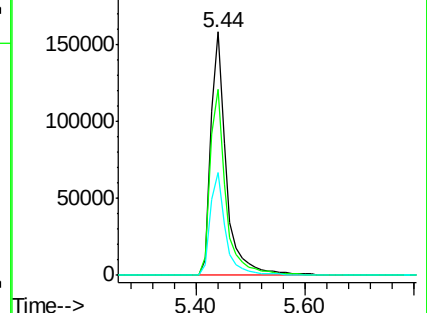
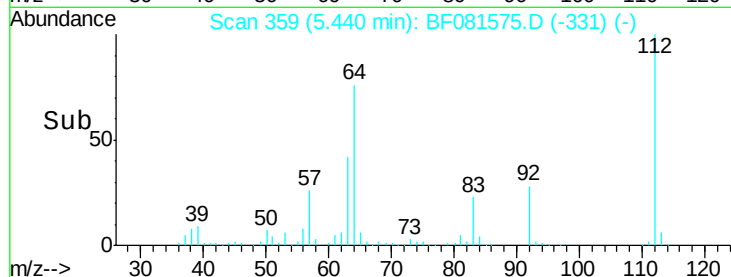
63 42.1 17.4 26.0#



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: 101.03 ng

RT: 7.69 min Scan# 556

Delta R.T. -0.00 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

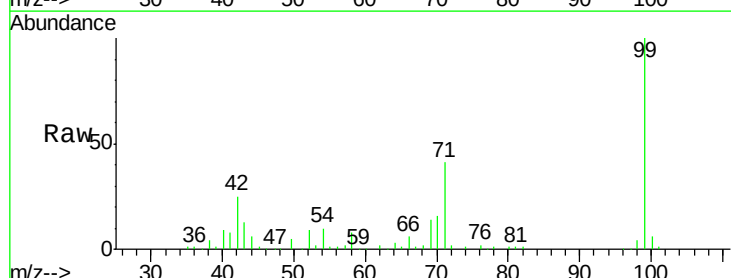
Tgt Ion: 99 Resp: 446144

Ion Ratio Lower Upper

99 100

42 25.2 13.7 20.5#

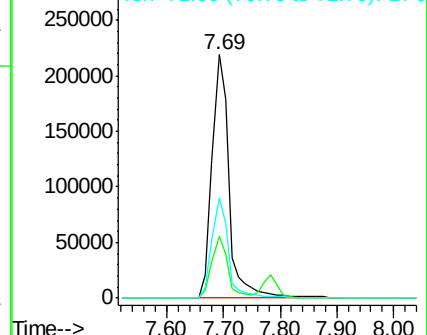
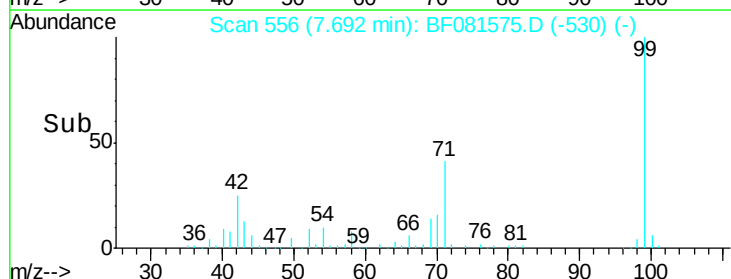
71 40.9 14.2 21.2#

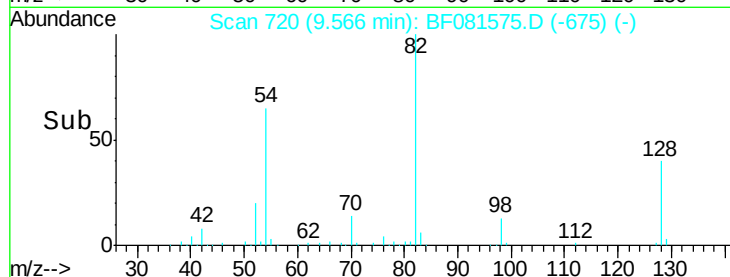
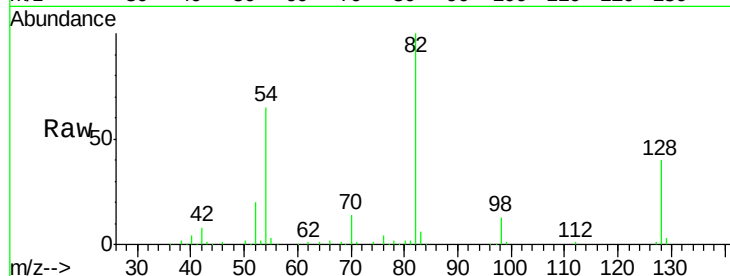
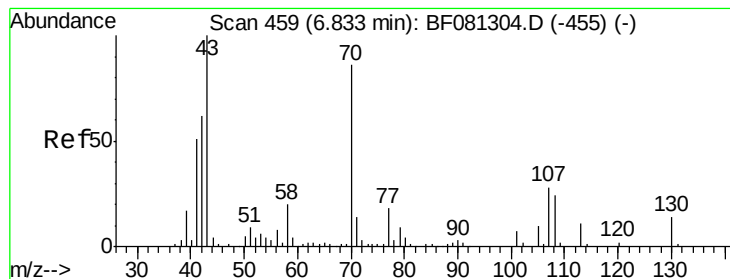


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 14.10 ng

RT: 9.57 min Scan# 720

Delta R.T. 0.22 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

Instrument :

BNA_F

ClientSampleId :

TYB1(2-2.5)

Tgt Ion: 70 Resp: 42387

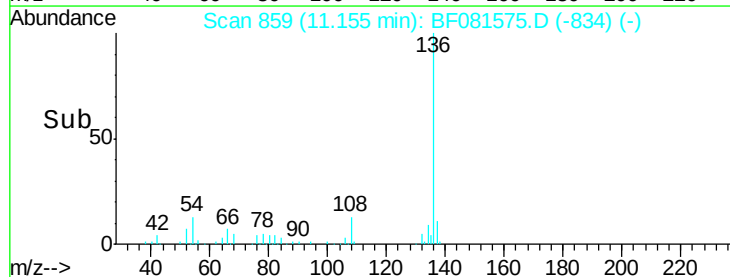
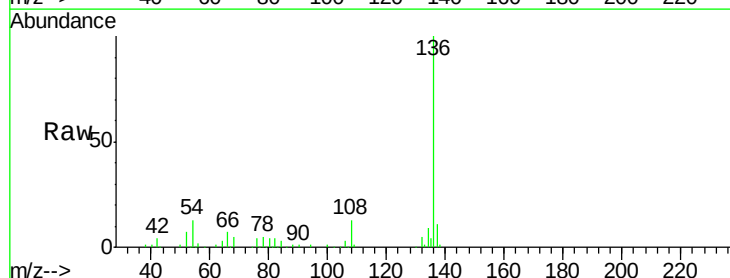
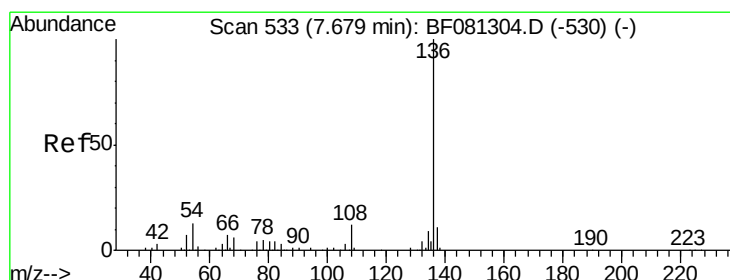
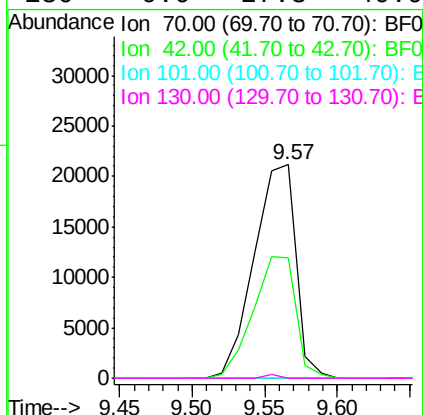
Ion Ratio Lower Upper

70 100

42 56.2 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: 11.15 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

Tgt Ion: 136 Resp: 202906

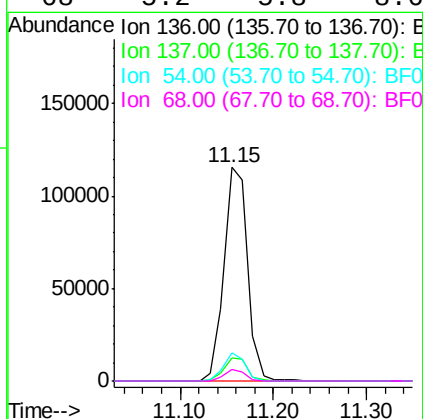
Ion Ratio Lower Upper

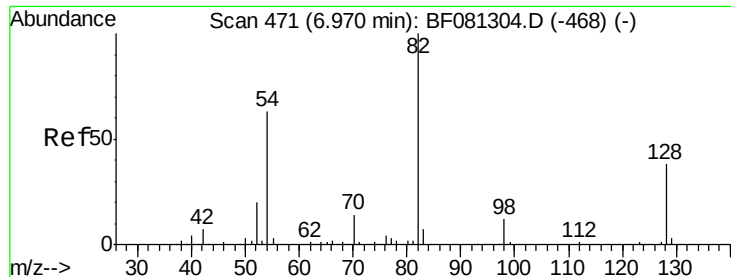
136 100

137 11.0 9.0 13.6

54 13.0 8.2 12.2#

68 5.2 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 74.25 ng

RT: 9.57 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

Instrument :

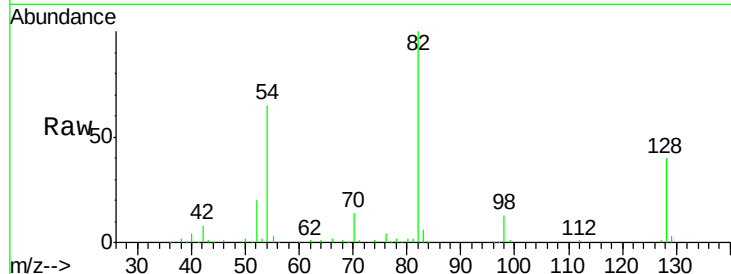
BNA_F

ClientSampleId :

TYB1(2-2.5)

Tgt Ion: 82 Resp: 312250

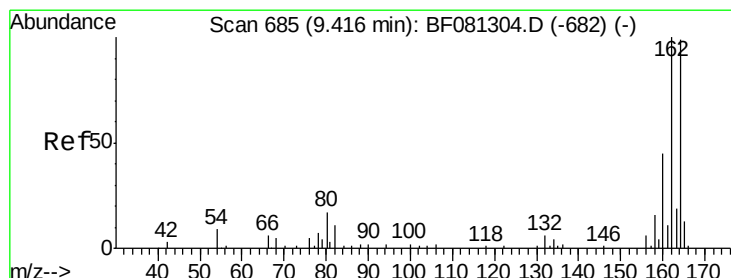
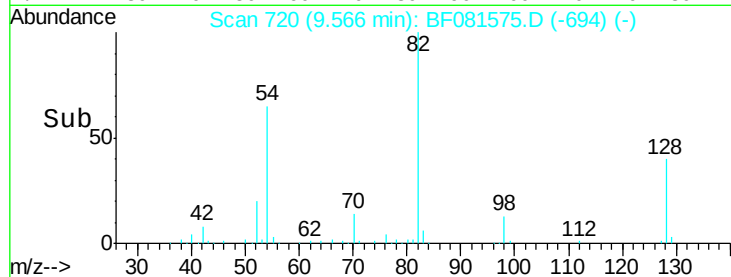
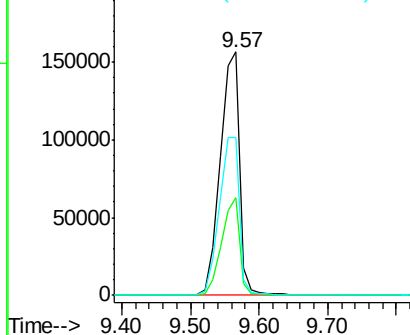
Ion	Ratio	Lower	Upper
82	100		
128	40.3	51.0	76.6#
54	65.1	47.5	71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.29 min Scan# 1221

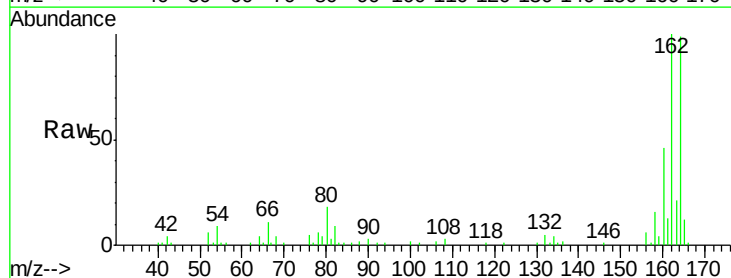
Delta R.T. -0.01 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

Tgt Ion: 164 Resp: 90315

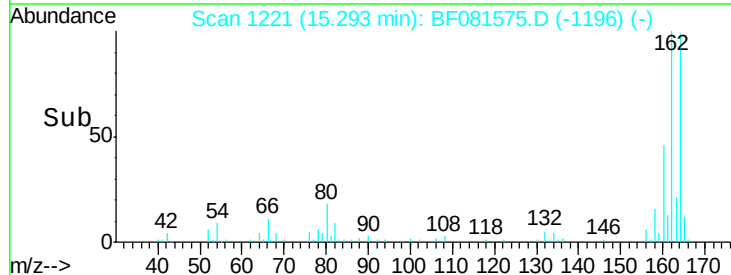
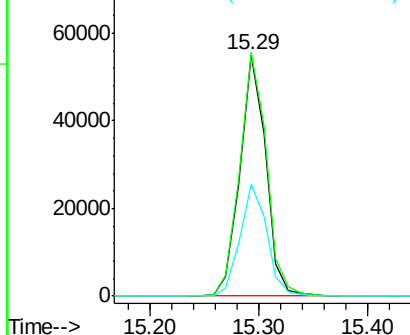
Ion	Ratio	Lower	Upper
164	100		
162	100.9	75.2	112.8
160	46.1	31.5	47.3

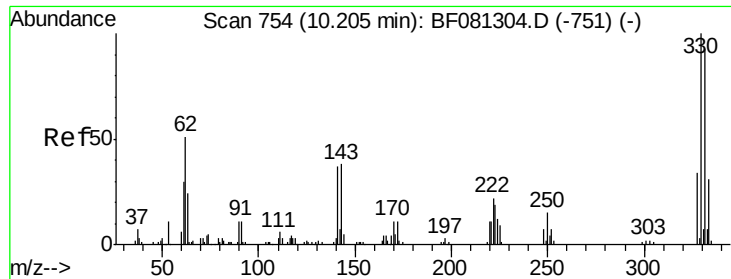


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

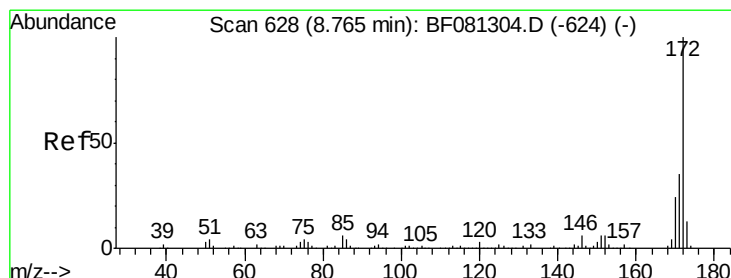
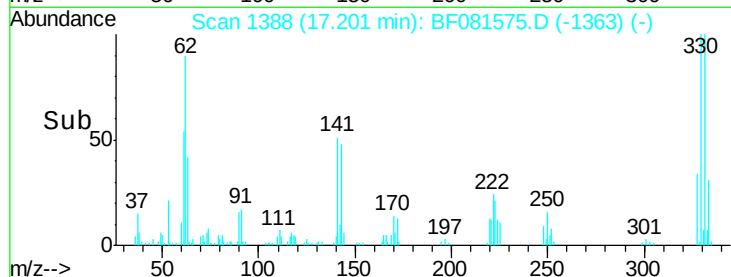
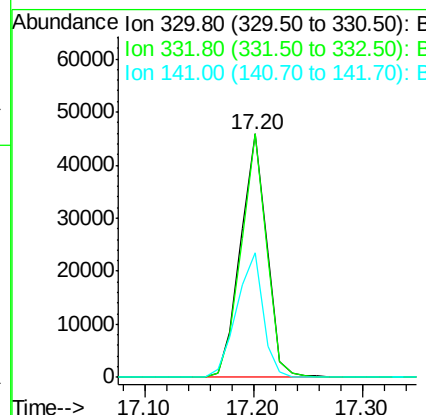
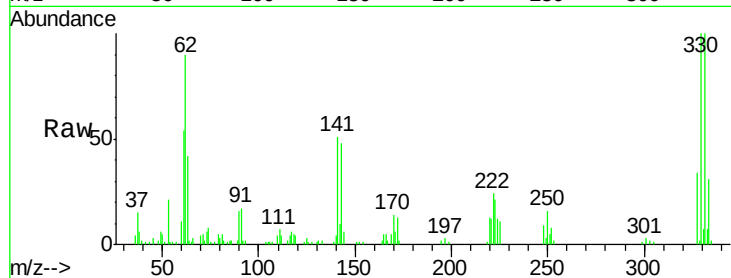




#41
 2,4,6-Tribromophenol
 Concen: 95.00 ng
 RT: 17.20 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF081575.D
 Acq: 10 Sep 2015 19:43

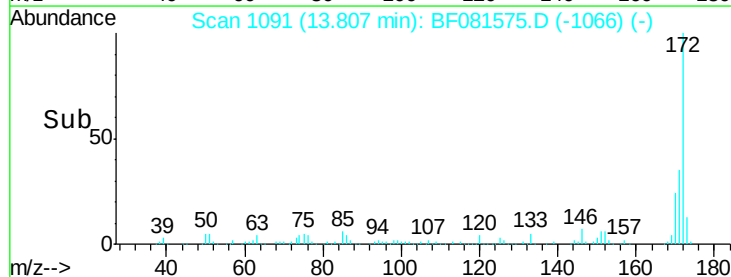
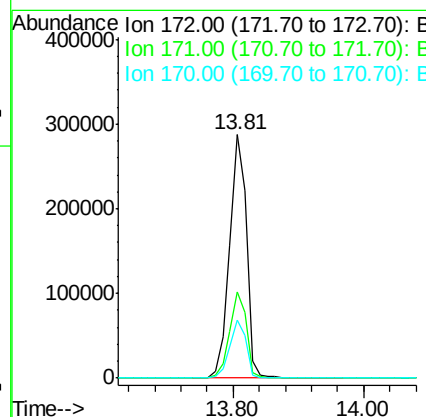
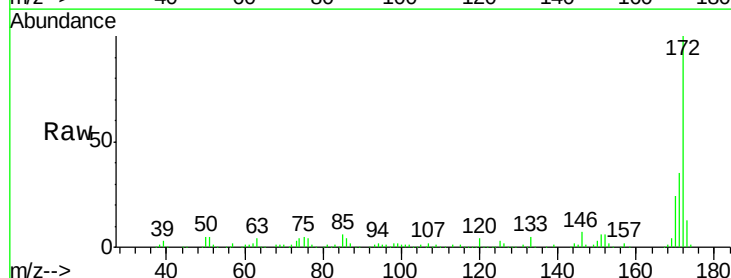
Instrument :
 BNA_F
 ClientSampleId :
 TYB1(2-2.5)

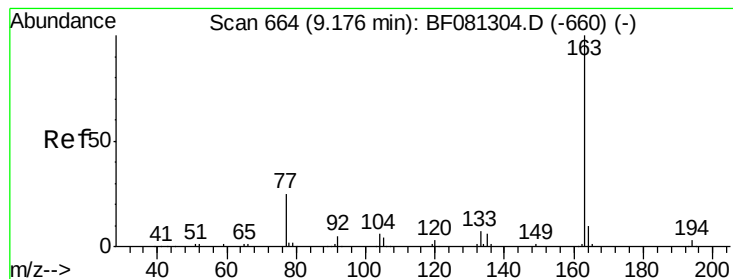
Tgt Ion:330 Resp: 76397
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 51.0 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 73.48 ng
 RT: 13.81 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: BF081575.D
 Acq: 10 Sep 2015 19:43

Tgt Ion:172 Resp: 517868
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 24.0 17.4 26.2





#49

Dimethylphthalate

Concen: 15.74 ng

RT: 14.87 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

Instrument :

BNA_F

ClientSampleId :

TYB1(2-2.5)

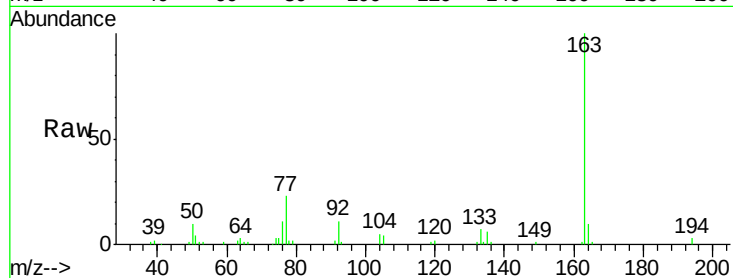
Tgt Ion:163 Resp: 110424

Ion Ratio Lower Upper

163 100

194 3.4 4.4 6.6#

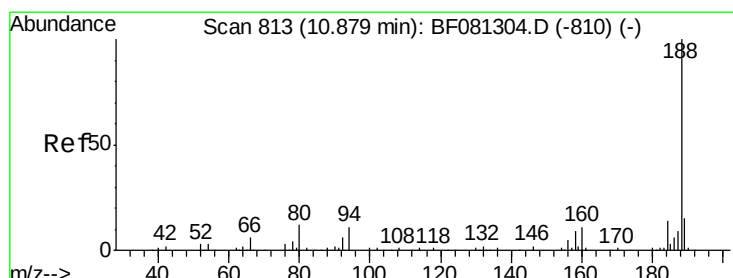
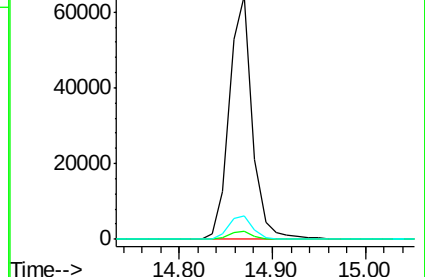
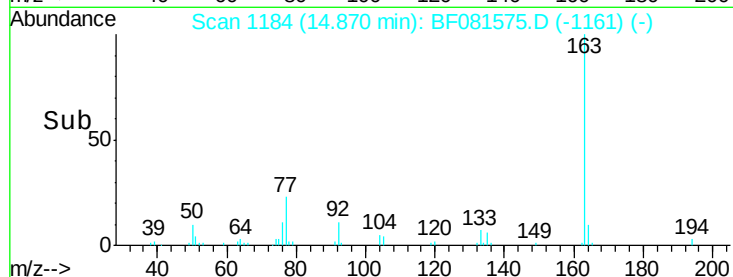
164 9.7 8.3 12.5



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: 18.80 min Scan# 1528

Delta R.T. -0.01 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

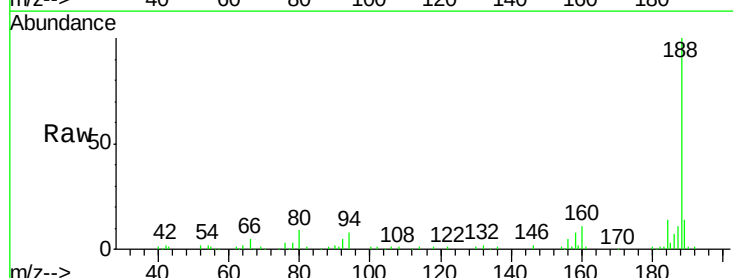
Tgt Ion:188 Resp: 153776

Ion Ratio Lower Upper

188 100

94 8.5 11.1 16.7#

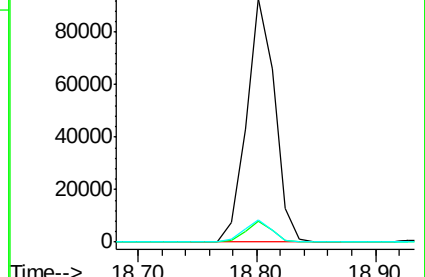
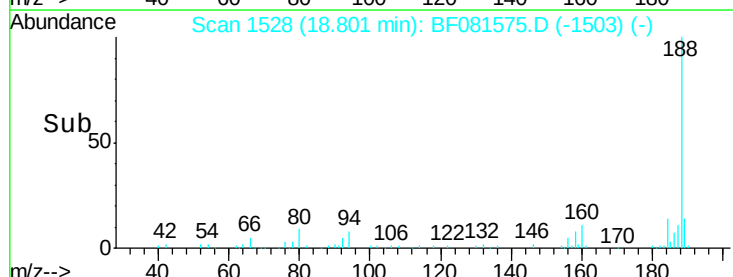
80 9.3 11.0 16.4#

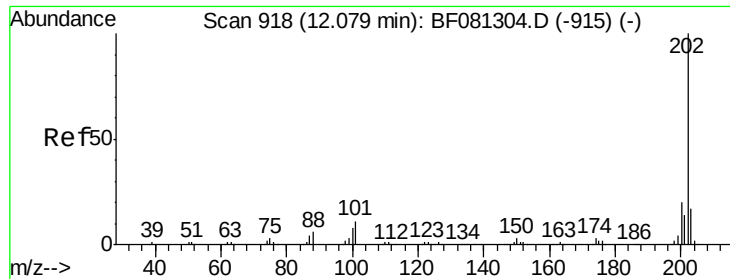


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 4.38 ng

RT: 21.46 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

Instrument :

BNA_F

ClientSampleId :

TYB1(2-2.5)

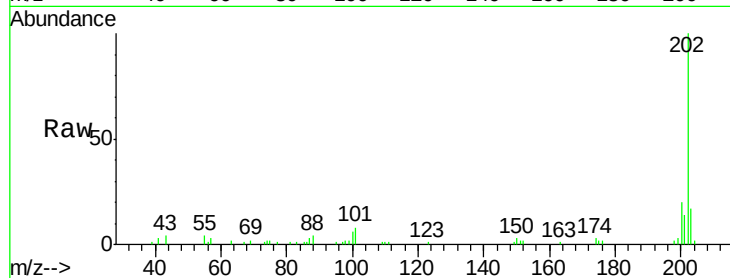
Tgt Ion:202 Resp: 40511

Ion Ratio Lower Upper

202 100

101 7.7 0.0 38.3

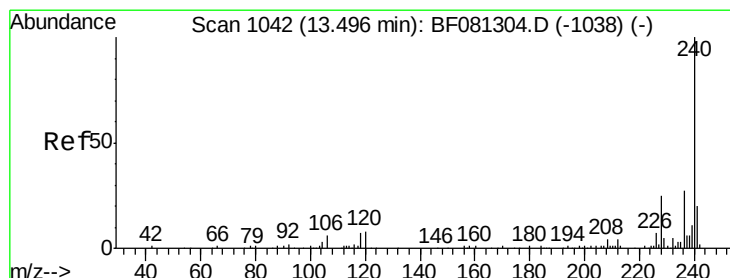
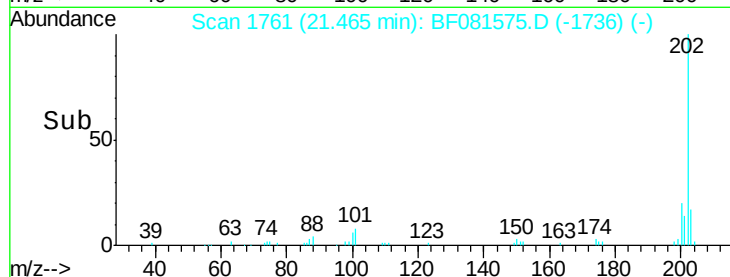
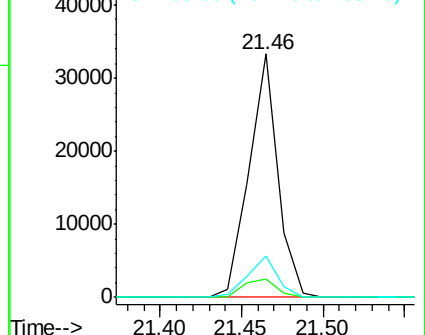
203 17.0 0.0 37.3



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: 23.41 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

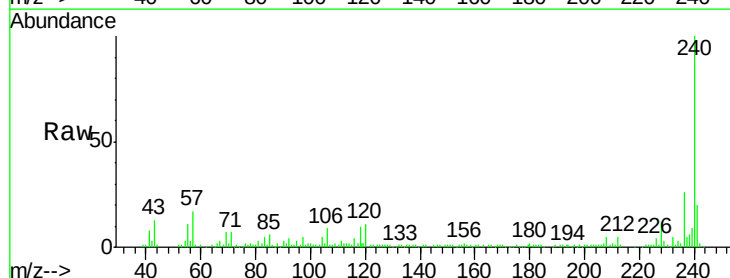
Tgt Ion:240 Resp: 95335

Ion Ratio Lower Upper

240 100

120 11.2 16.2 24.2#

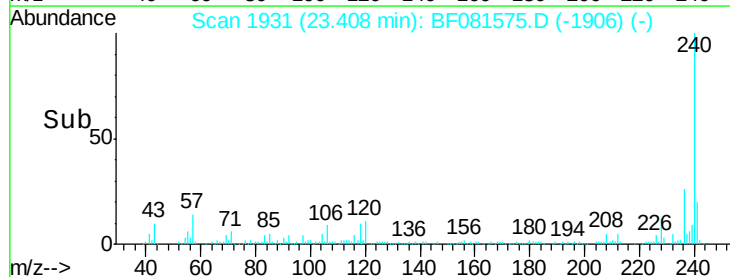
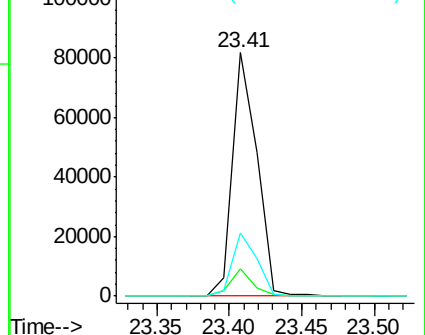
236 25.8 18.4 27.6

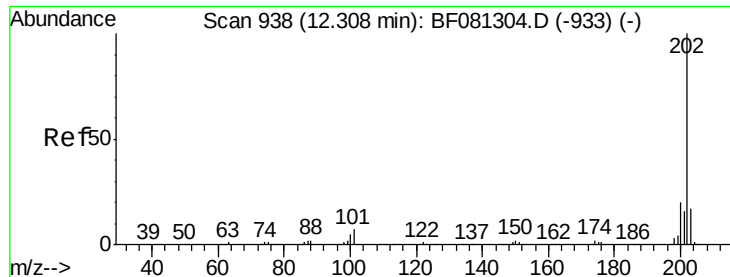


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

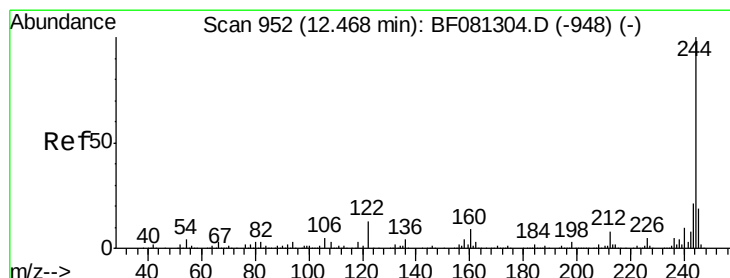
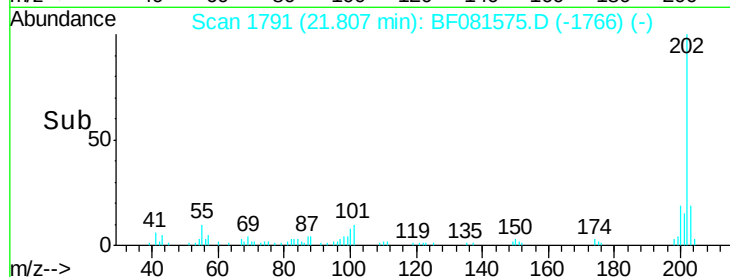
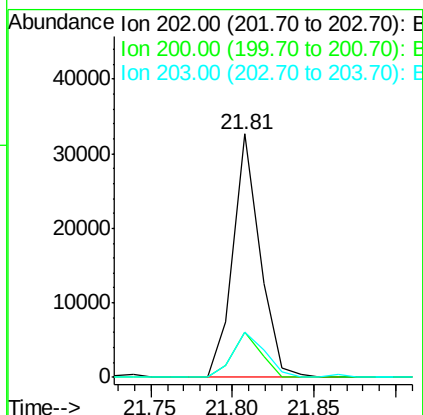
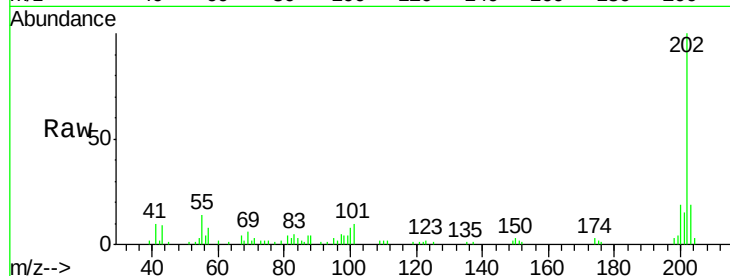




#77
Pyrene
 Concen: 5.29 ng
 RT: 21.81 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF081575.D
 Acq: 10 Sep 2015 19:43

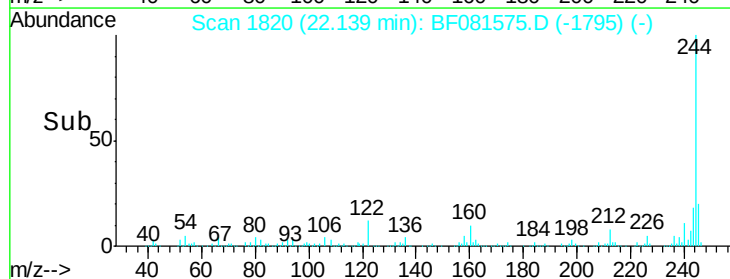
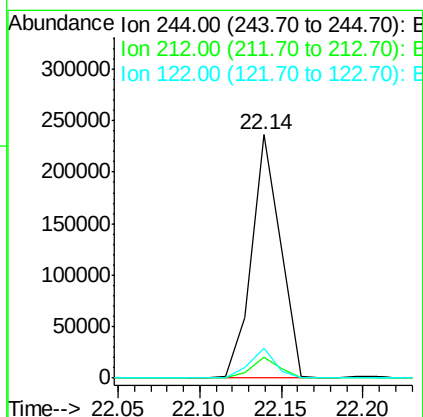
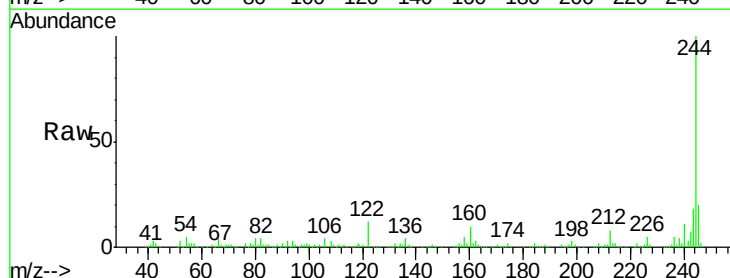
Instrument :
 BNA_F
 ClientSampleId :
 TYB1(2-2.5)

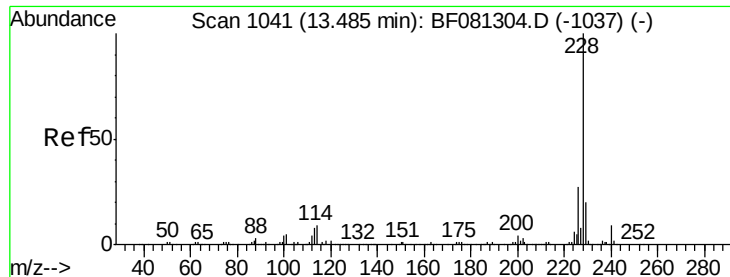
Tgt Ion: 202 Resp: 37329
 Ion Ratio Lower Upper
 202 100
 200 18.6 15.0 22.4
 203 18.6 14.1 21.1



#78
Terphenyl-d14
 Concen: 71.13 ng
 RT: 22.14 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF081575.D
 Acq: 10 Sep 2015 19:43

Tgt Ion: 244 Resp: 291306
 Ion Ratio Lower Upper
 244 100
 212 8.5 4.3 6.5#
 122 12.1 17.4 26.2#





#80

Benzo(a)anthracene

Concen: 2.68 ng

RT: 23.40 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

Instrument :

BNA_F

ClientSampleId :

TYB1(2-2.5)

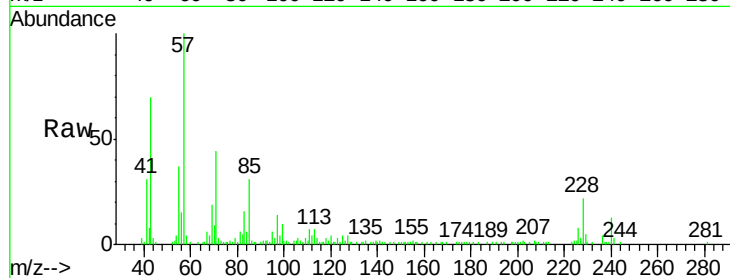
Tgt Ion:228 Resp: 16282

Ion Ratio Lower Upper

228 100

226 37.1 20.0 30.0#

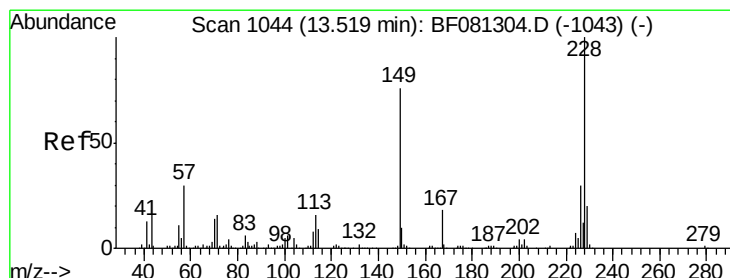
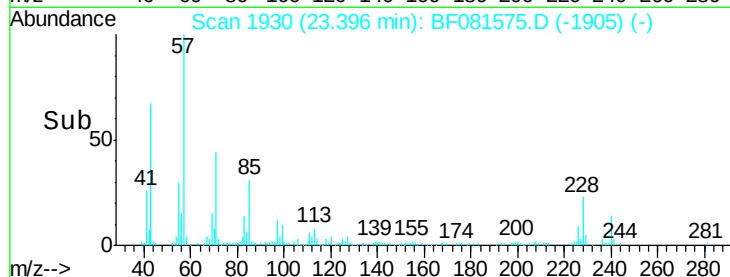
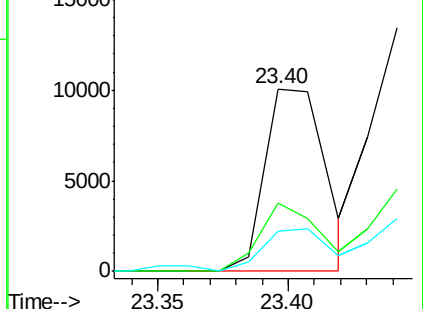
229 22.1 15.4 23.2



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: 2.92 ng

RT: 23.44 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

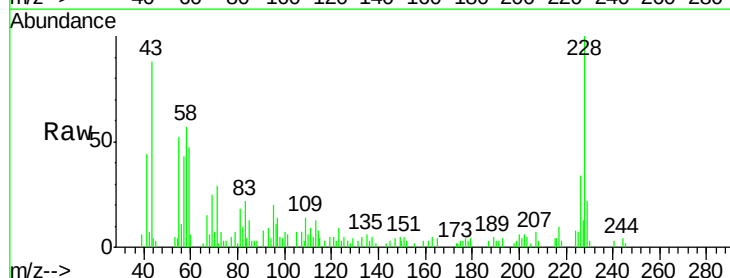
Tgt Ion:228 Resp: 15915

Ion Ratio Lower Upper

228 100

226 33.7 21.0 31.4#

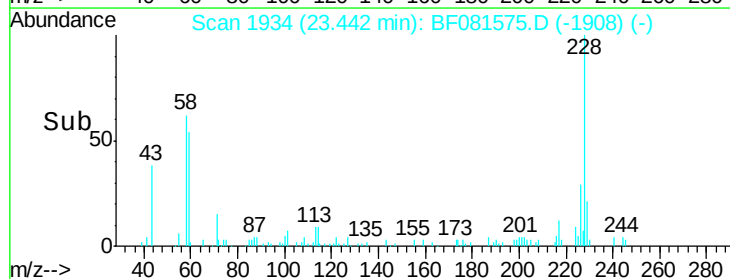
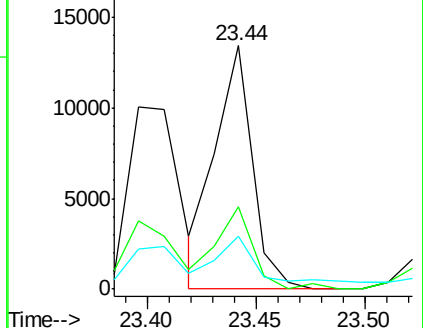
229 21.8 15.6 23.4

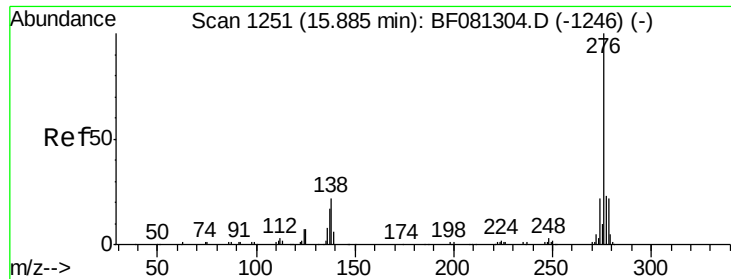


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

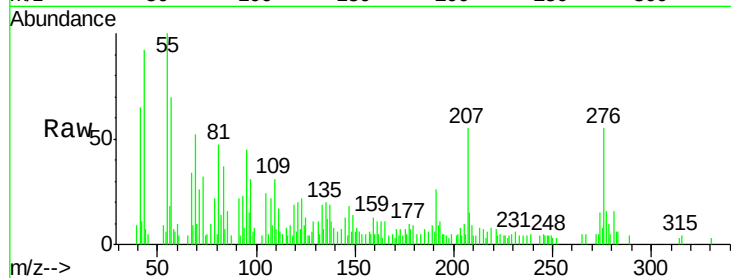




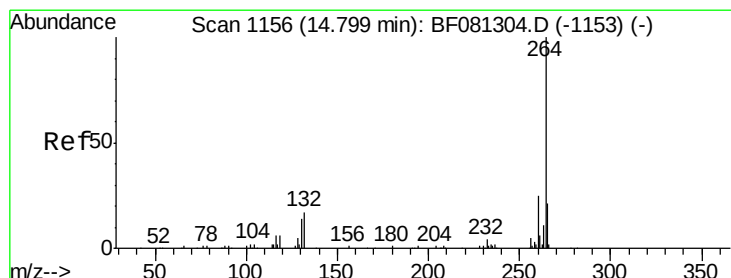
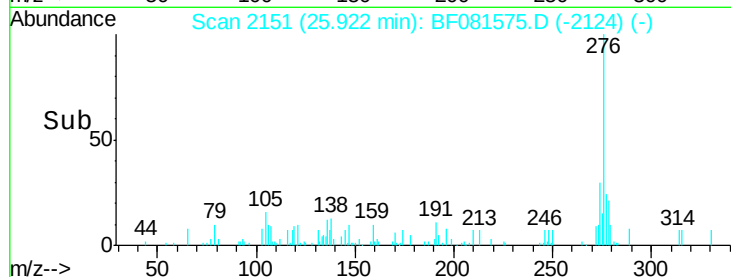
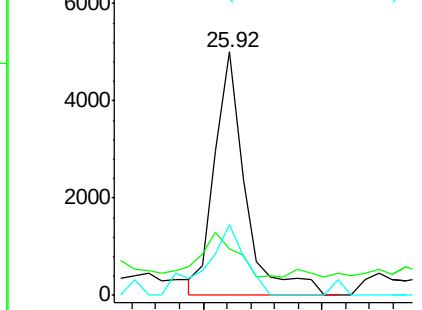
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.24 ng
 RT: 25.92 min Scan# 2151
 Delta R.T. 0.01 min
 Lab File: BF081575.D
 Acq: 10 Sep 2015 19:43

Instrument :
 BNA_F
 ClientSampleId :
 TYB1(2-2.5)

Tgt Ion: 276 Resp: 8931
 Ion Ratio Lower Upper
 276 100
 138 26.9 25.7 38.5
 277 37.2 15.6 23.4#

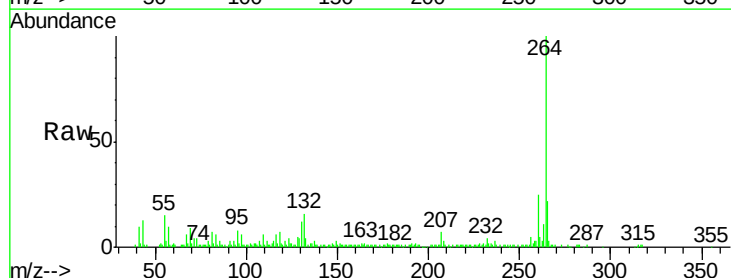


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

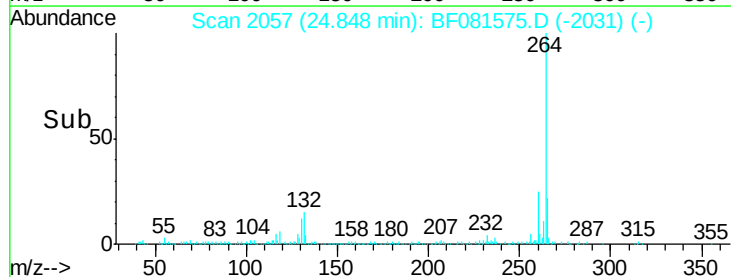
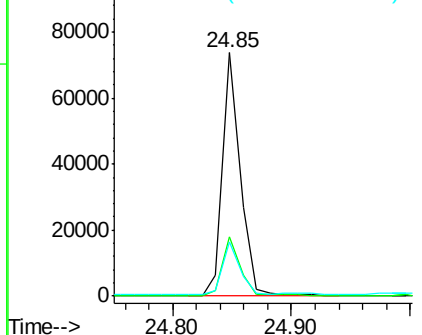


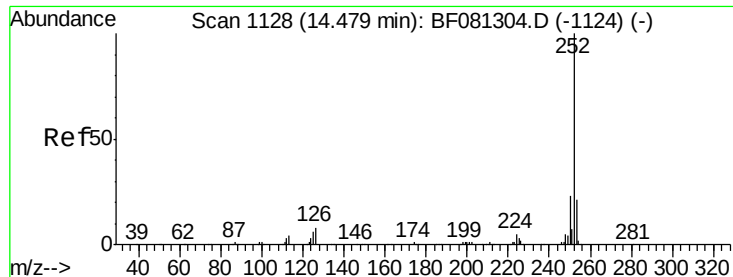
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.85 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: BF081575.D
 Acq: 10 Sep 2015 19:43

Tgt Ion: 264 Resp: 76537
 Ion Ratio Lower Upper
 264 100
 260 24.5 16.7 25.1
 265 22.2 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

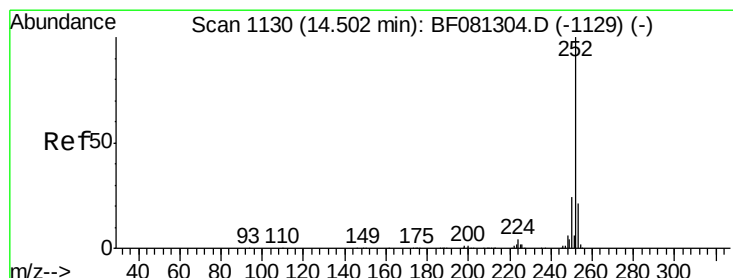
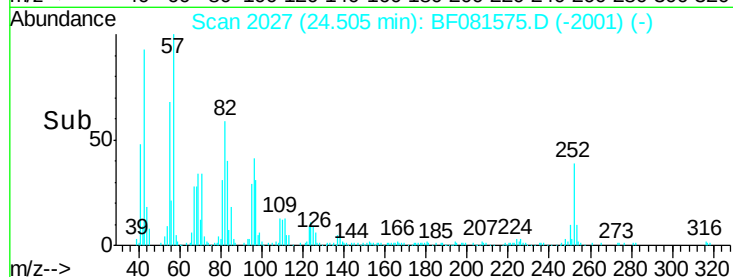
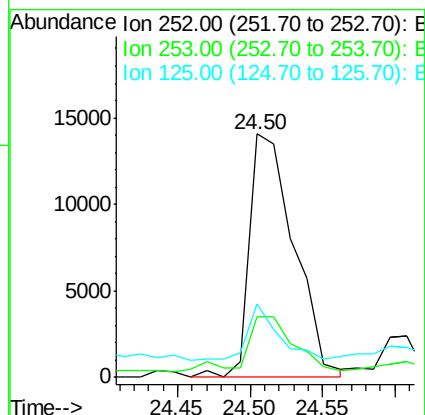
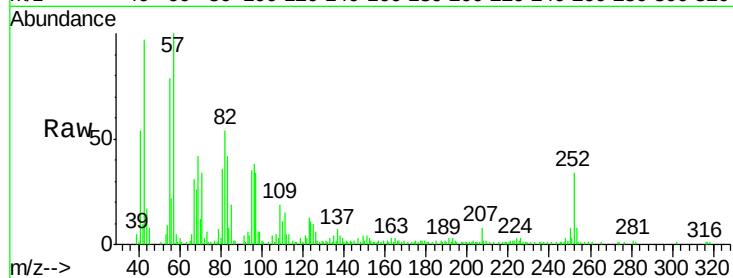




#87
Benzo(b)fluoranthene
Concen: 5.49 ng
RT: 24.50 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF081575.D
Acq: 10 Sep 2015 19:43

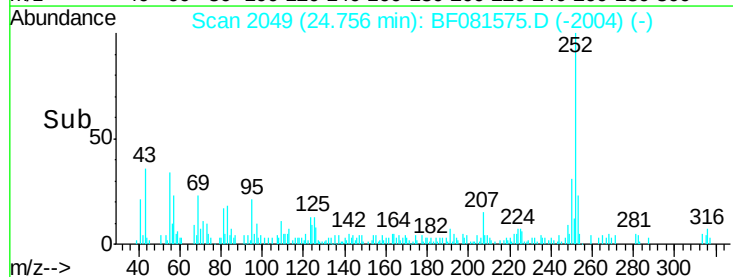
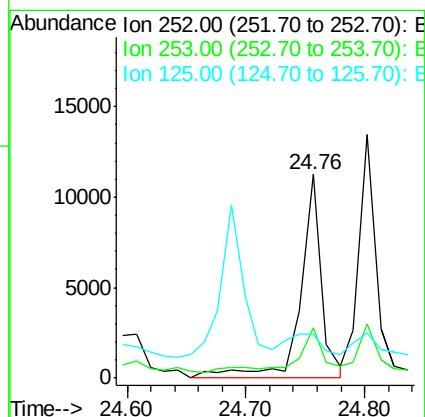
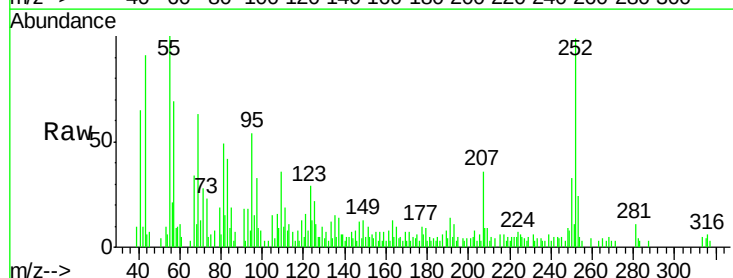
Instrument :
BNA_F
ClientSampleId :
TYB1(2-2.5)

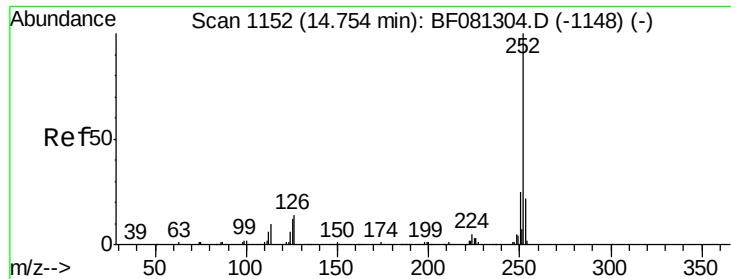
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	30.4	17.1	25.7



#88
Benzo(k)fluoranthene
Concen: 3.06 ng
RT: 24.76 min Scan# 2049
Delta R.T. 0.22 min
Lab File: BF081575.D
Acq: 10 Sep 2015 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.4
125	21.8	16.0	24.0





#89

Benzo(a)pyrene

Concen: 2.95 ng

RT: 24.80 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

Instrument :

BNA_F

ClientSampleId :

TYB1(2-2.5)

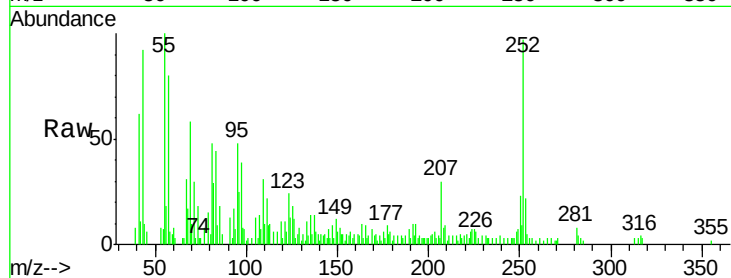
Tgt Ion:252 Resp: 13641

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

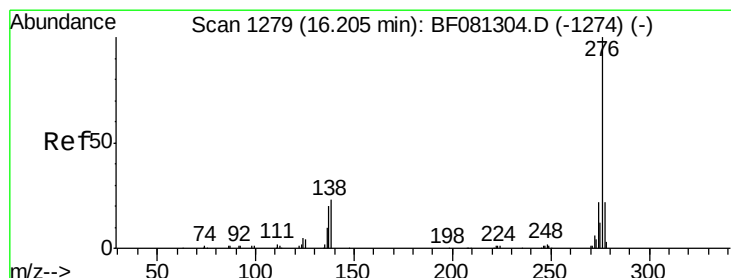
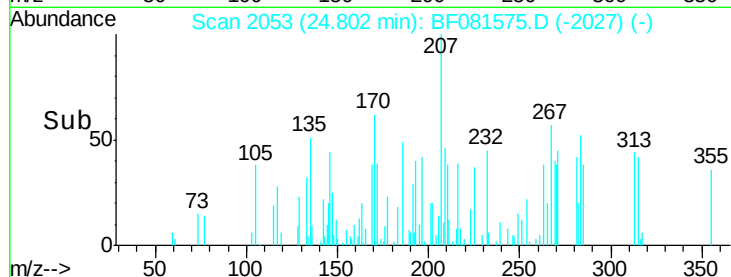
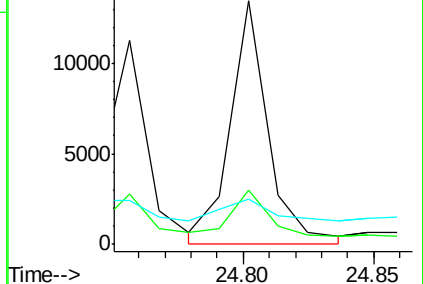
125 18.3 18.0 27.0



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



#91

Benzo(g,h,i)perylene

Concen: 2.51 ng

RT: 26.23 min Scan# 2178

Delta R.T. 0.01 min

Lab File: BF081575.D

Acq: 10 Sep 2015 19:43

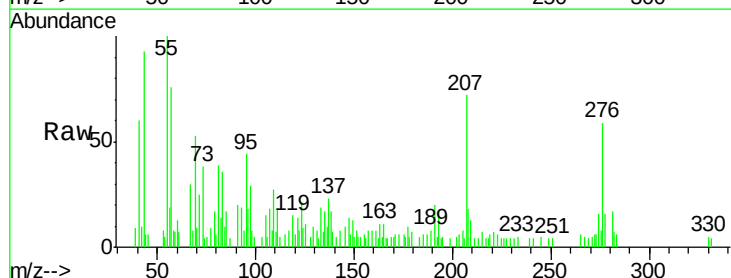
Tgt Ion:276 Resp: 8585

Ion Ratio Lower Upper

276 100

277 28.0 17.8 26.6#

138 28.2 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

