

Data Path : Z:\HPCHEM1\BNA_F\Data\BF091015\
 Data File : BF081570.D
 Acq On : 10 Sep 2015 16:37
 Operator : UM/IZ
 Sample : G3543-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1

Quant Time: Sep 10 17:10:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:31:29 2015
 Response via : Initial Calibration

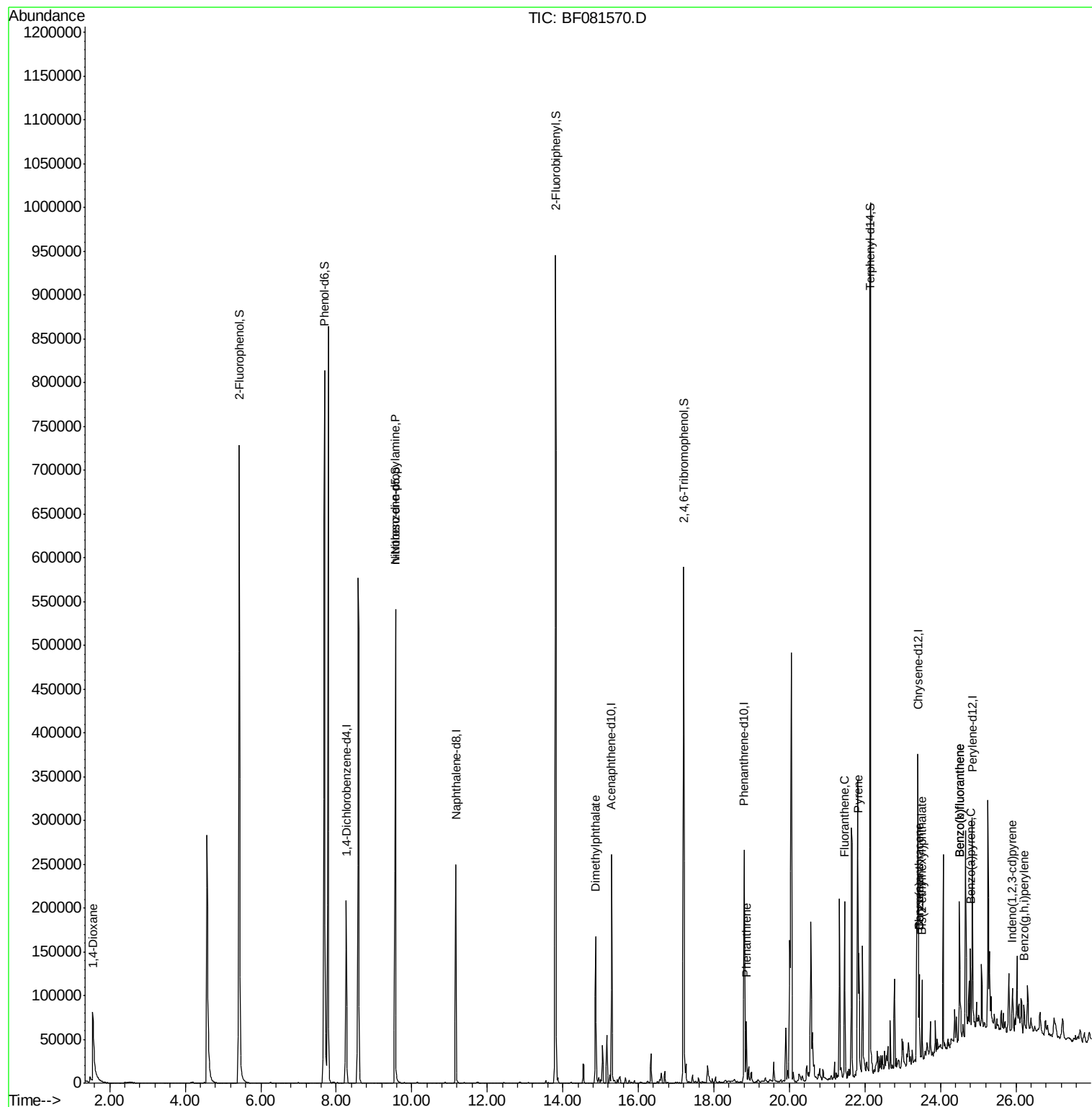
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	52486	20.00	ng	0.00
21) Naphthalene-d8	11.17	136	209049	20.00	ng	0.00
38) Acenaphthene-d10	15.29	164	96356	20.00	ng	-0.01
63) Phenanthrene-d10	18.80	188	184820	20.00	ng	-0.01
75) Chrysene-d12	23.41	240	114976	20.00	ng	-0.01
86) Perylene-d12	24.85	264	89438	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	318520	94.16	ng	0.01
7) Phenol-d6	7.69	99	468409	104.61	ng	0.00
23) Nitrobenzene-d5	9.57	82	315656	72.85	ng	0.00
41) 2,4,6-Tribromophenol	17.20	330	94758	110.45	ng	-0.01
44) 2-Fluorobiphenyl	13.81	172	555376	73.86	ng	-0.01
78) Terphenyl-d14	22.15	244	481360	97.46	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.55	88	3468	2.28	ng	# 11
19) n-Nitroso-di-n-propylamine	9.57	70	43159	14.16	ng	# 64
49) Dimethylphthalate	14.87	163	106749	14.26	ng	# 97
70) Phenanthrene	18.86	178	48751	4.74	ng	96
74) Fluoranthene	21.46	202	116566	10.48	ng	88
77) Pyrene	21.82	202	107369	12.61	ng	96
80) Benzo(a)anthracene	23.44	228	42153	5.76	ng	93
82) Chrysene	23.44	228	42153	6.42	ng	94
83) Bis(2-ethylhexyl)phthalate	23.52	149	18138	3.71	ng	# 91
85) Indeno(1,2,3-cd)pyrene	25.91	276	25262	5.25	ng	# 80
87) Benzo(b)fluoranthene	24.50	252	68112	10.67	ng	# 87
88) Benzo(k)fluoranthene	24.50	252	68112	12.86	ng	# 88
89) Benzo(a)pyrene	24.80	252	34172	6.32	ng	# 83
91) Benzo(g,h,i)perylene	26.22	276	24524	6.15	ng	# 73

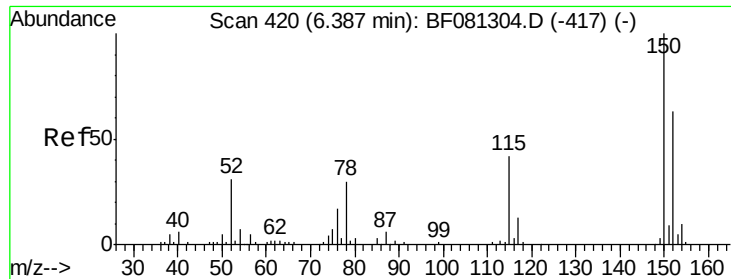
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\Data\BF091015\
Data File : BF081570.D
Acq On : 10 Sep 2015 16:37
Operator : UM/IZ
Sample : G3543-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1

Quant Time: Sep 10 17:10:17 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 10 16:31:29 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1

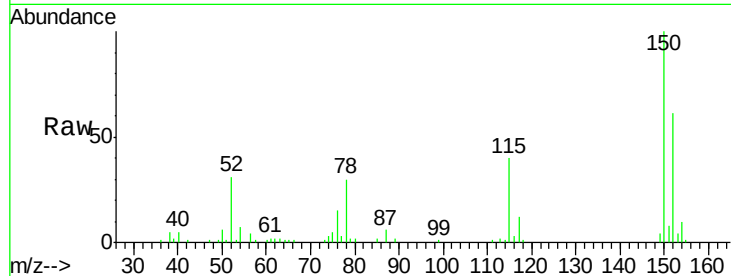
Tgt Ion:152 Resp: 52486

Ion Ratio Lower Upper

152 100

150 164.0 124.7 187.1

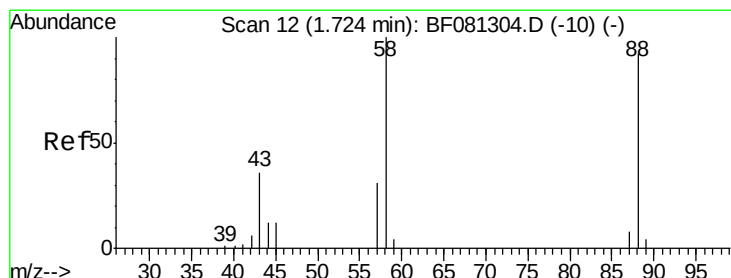
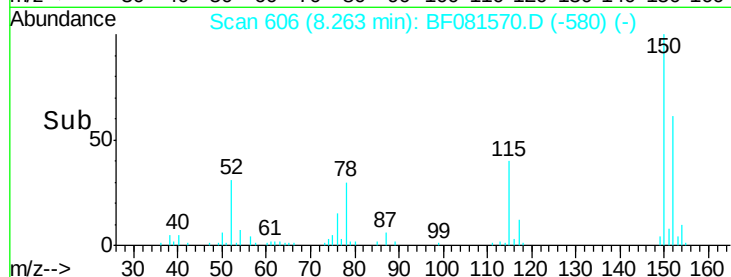
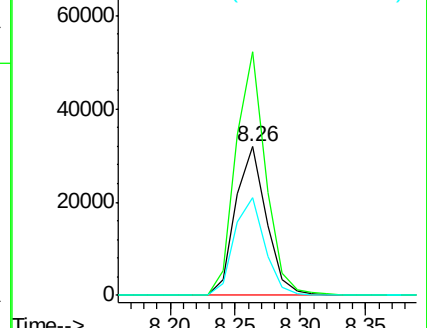
115 66.1 39.0 58.4#



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: 2.28 ng

RT: 1.55 min Scan# 19

Delta R.T. -0.05 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

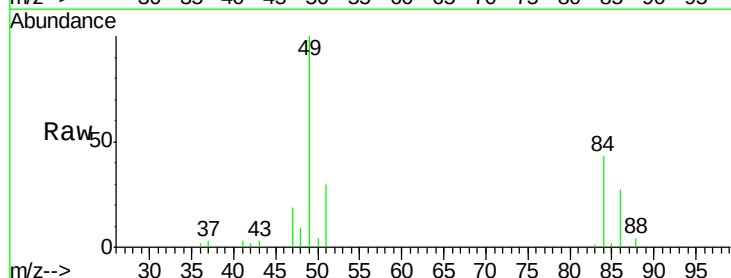
Tgt Ion: 88 Resp: 3468

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

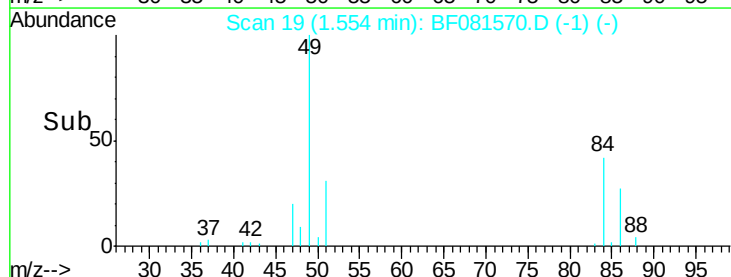
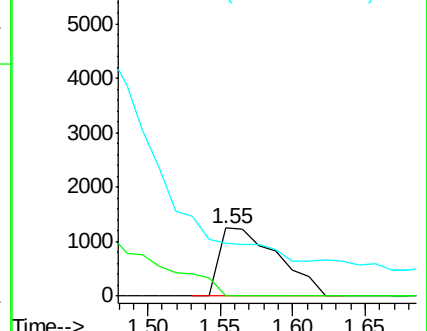
43 0.0 26.6 40.0#

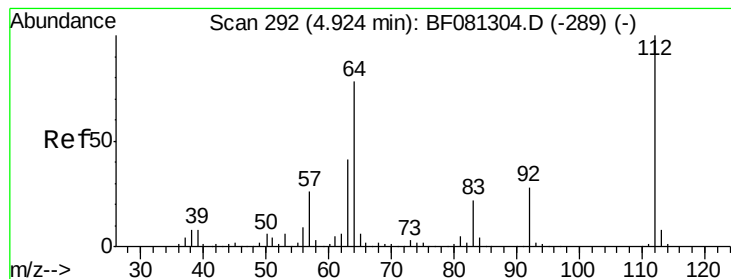


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 94.16 ng

RT: 5.43 min Scan# 358

Delta R.T. 0.01 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1

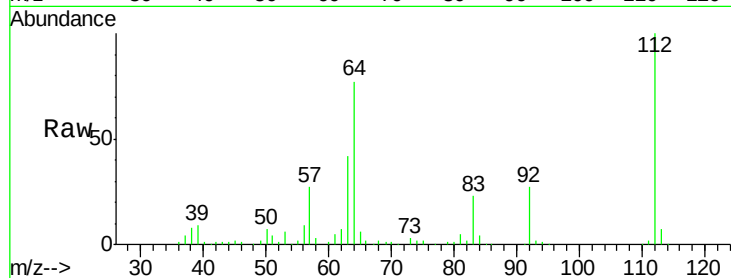
Tgt Ion: 112 Resp: 318520

Ion Ratio Lower Upper

112 100

64 77.5 39.7 59.5#

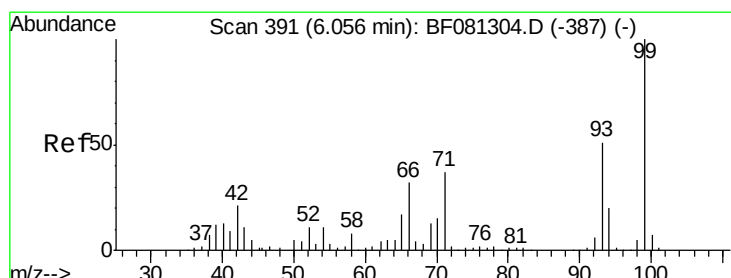
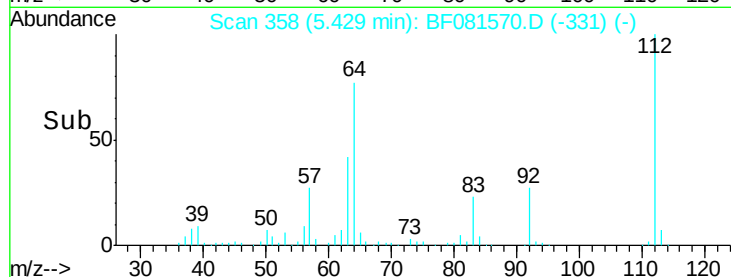
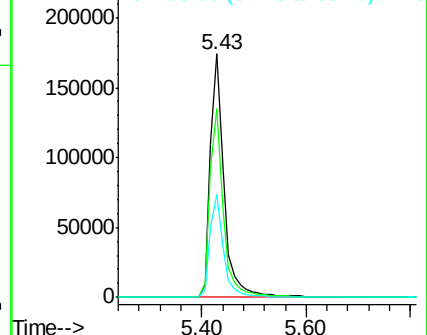
63 42.5 17.4 26.0#



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: 104.61 ng

RT: 7.69 min Scan# 556

Delta R.T. -0.00 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

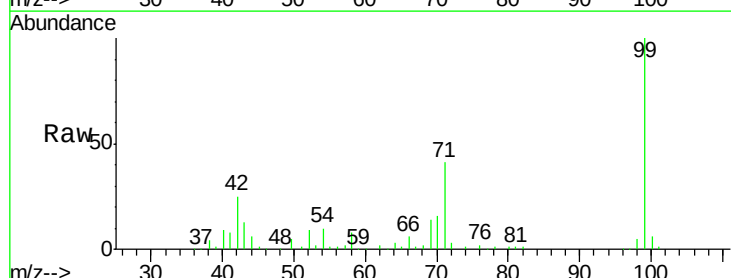
Tgt Ion: 99 Resp: 468409

Ion Ratio Lower Upper

99 100

42 24.9 13.7 20.5#

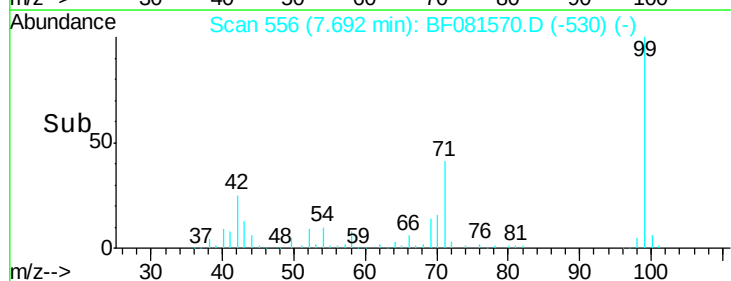
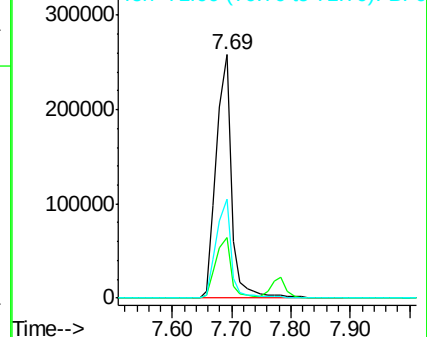
71 40.6 14.2 21.2#

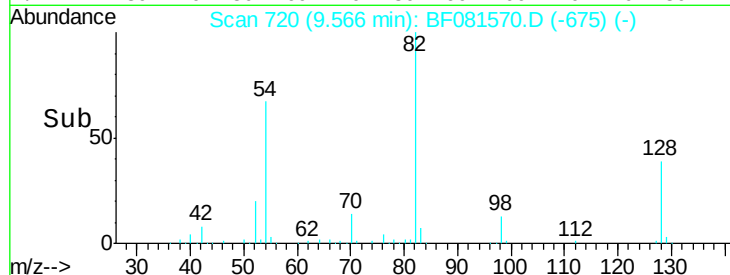
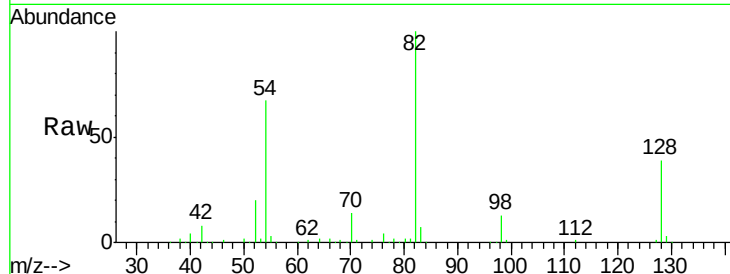
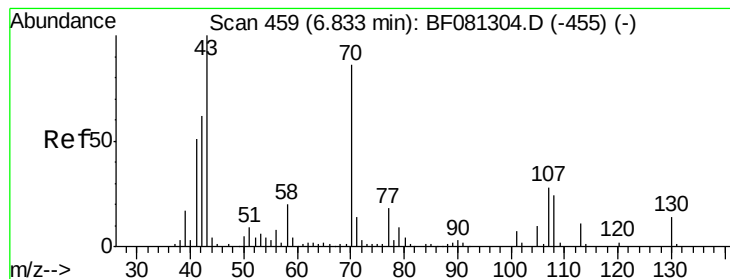


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 14.16 ng

RT: 9.57 min Scan# 720

Delta R.T. 0.22 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1

Tgt Ion: 70 Resp: 43159

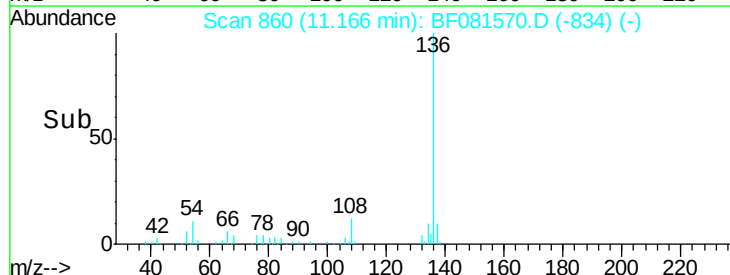
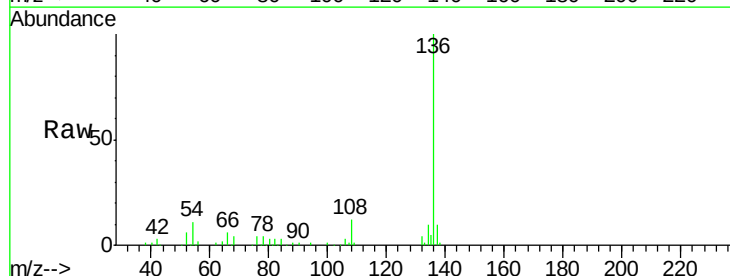
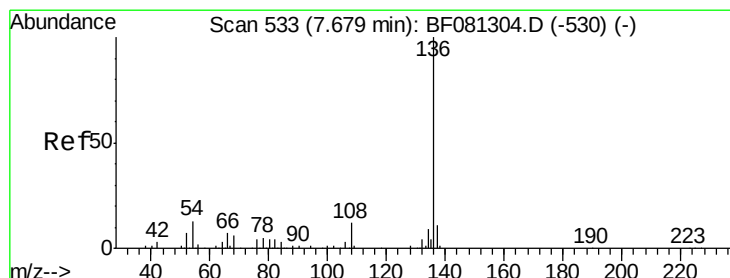
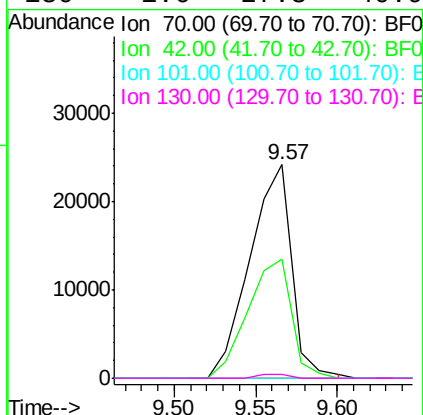
Ion Ratio Lower Upper

70 100

42 55.6 63.8 95.6#

101 0.0 9.2 13.8#

130 1.6 27.3 40.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.17 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

Tgt Ion: 136 Resp: 209049

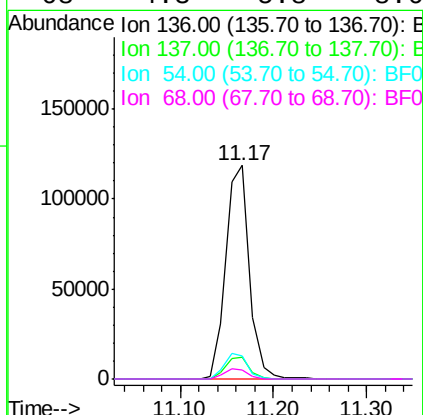
Ion Ratio Lower Upper

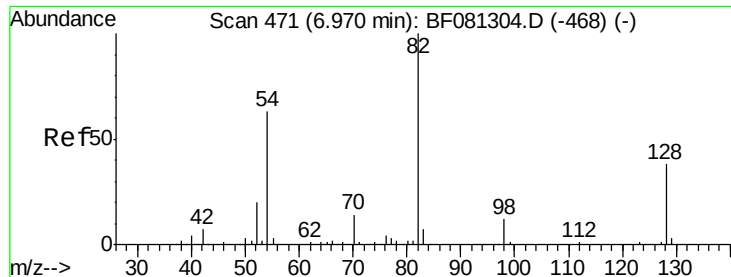
136 100

137 10.0 9.0 13.6

54 11.0 8.2 12.2

68 4.3 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 72.85 ng

RT: 9.57 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1

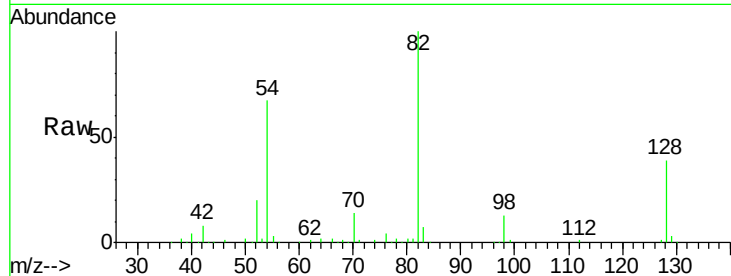
Tgt Ion: 82 Resp: 315656

Ion Ratio Lower Upper

82 100

128 38.9 51.0 76.6#

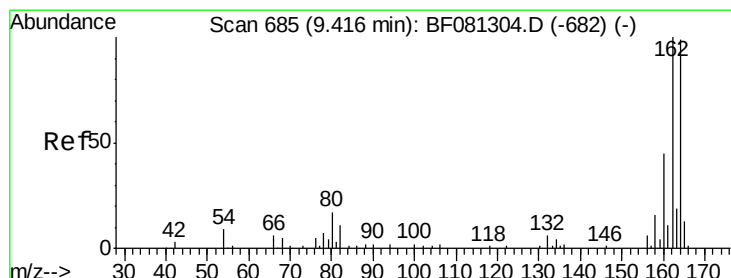
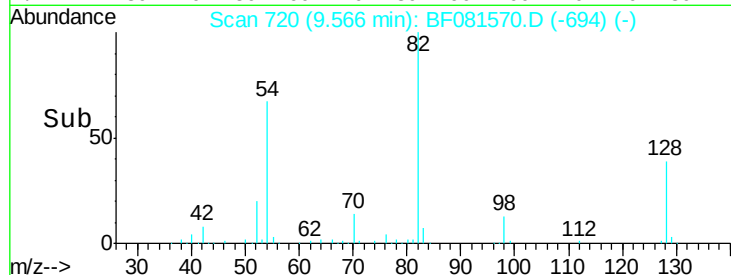
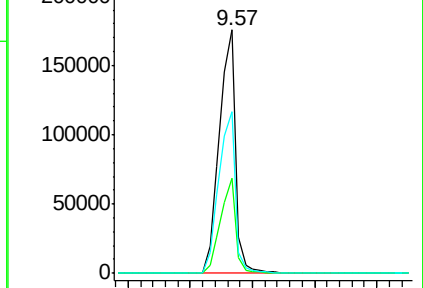
54 66.5 47.5 71.3



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: BF081570.D

Acq: 10 Sep 2015 16:37

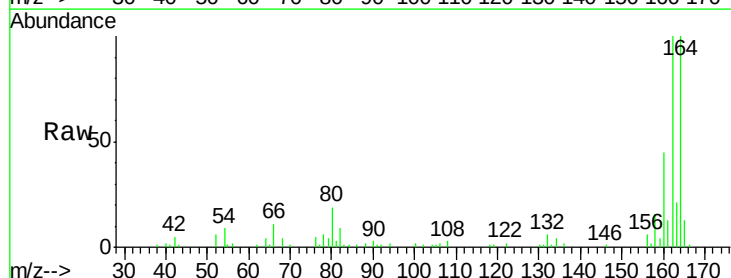
Tgt Ion: 164 Resp: 96356

Ion Ratio Lower Upper

164 100

162 99.6 75.2 112.8

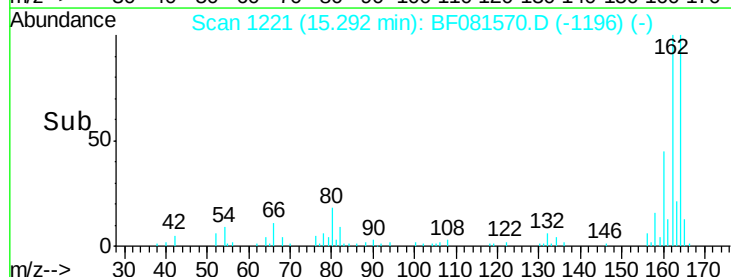
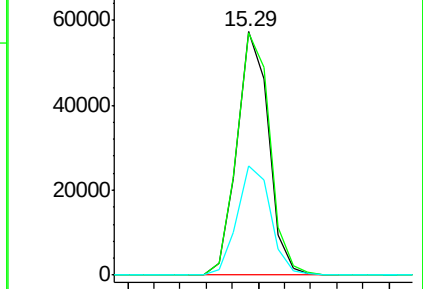
160 44.8 31.5 47.3

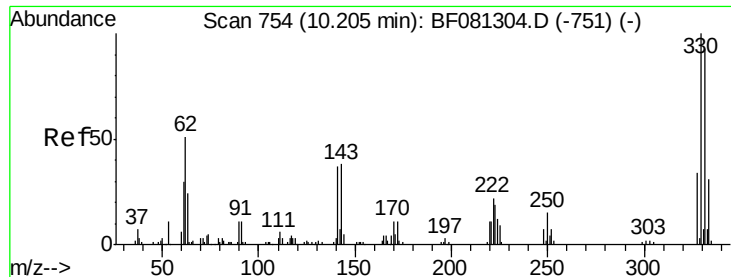


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

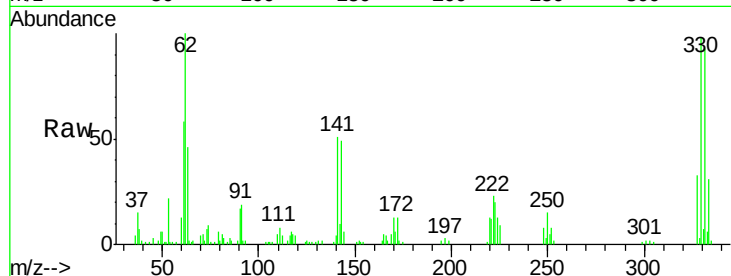




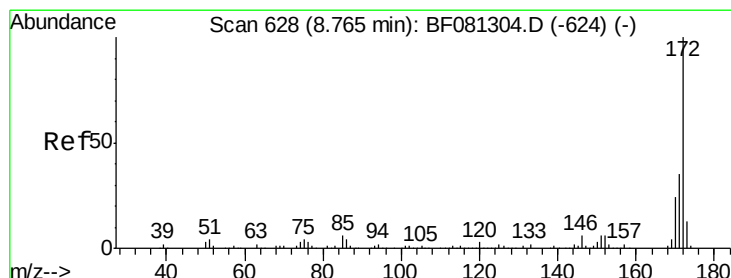
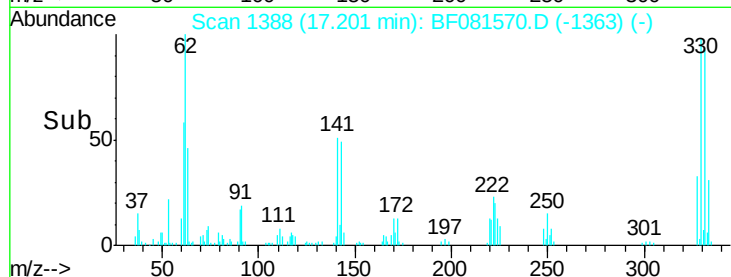
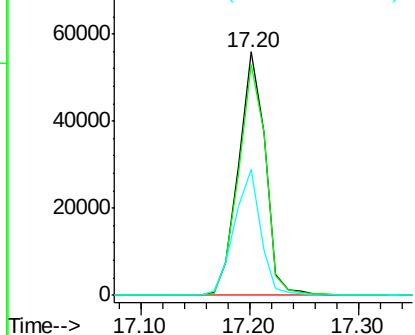
#41
 2,4,6-Tribromophenol
 Concen: 110.45 ng
 RT: 17.20 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF081570.D
 Acq: 10 Sep 2015 16:37

Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1

Tgt Ion:330 Resp: 94758
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 51.0 29.7 44.5#

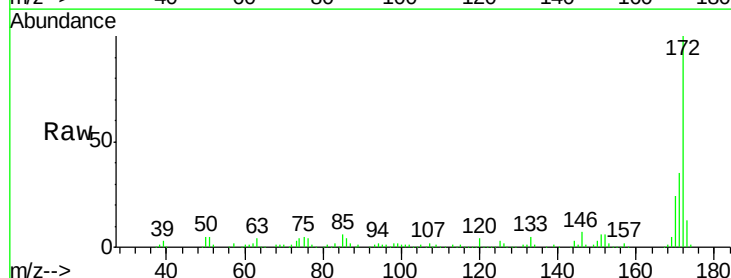


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

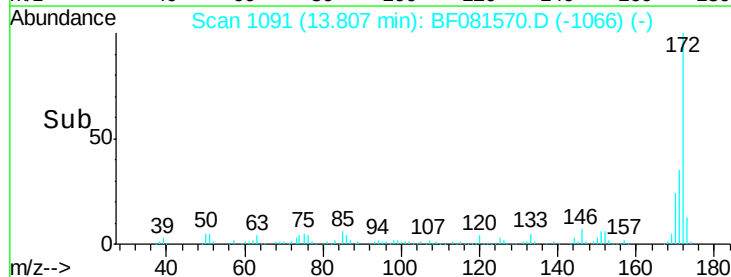
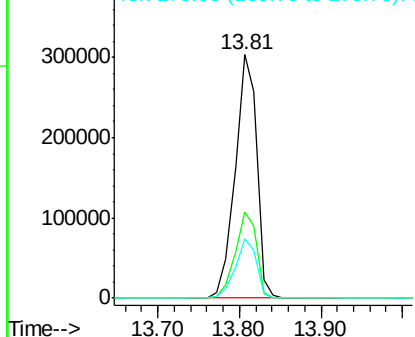


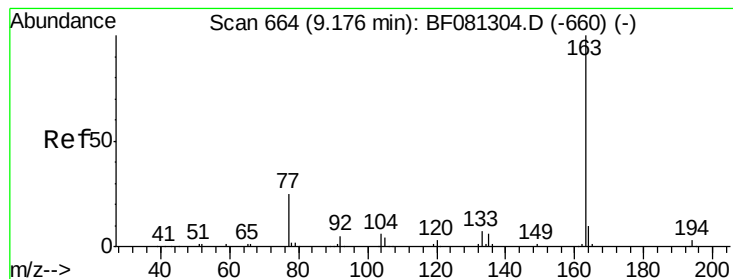
#44
 2-Fluorobiphenyl
 Concen: 73.86 ng
 RT: 13.81 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: BF081570.D
 Acq: 10 Sep 2015 16:37

Tgt Ion:172 Resp: 555376
 Ion Ratio Lower Upper
 172 100
 171 35.5 26.1 39.1
 170 24.5 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: 14.26 ng

RT: 14.87 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1

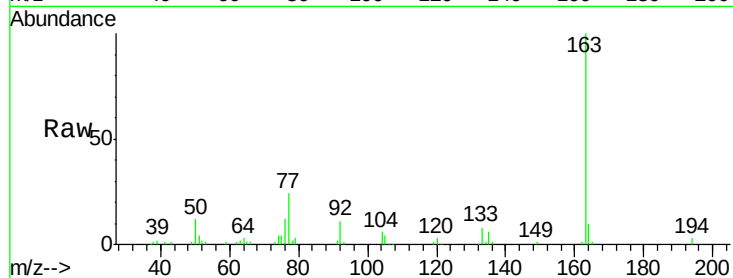
Tgt Ion:163 Resp: 106749

Ion Ratio Lower Upper

163 100

194 3.3 4.4 6.6#

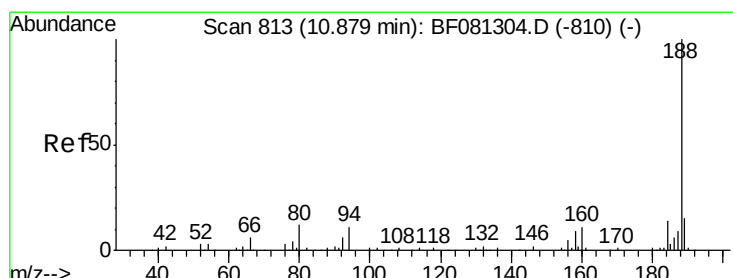
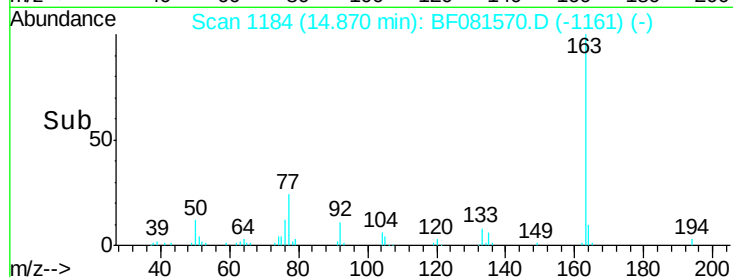
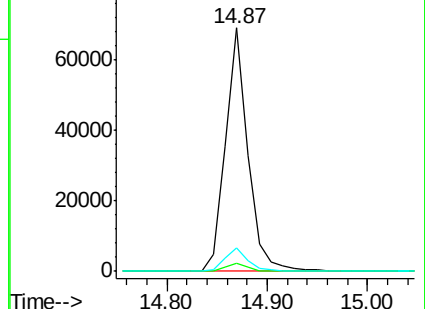
164 9.9 8.3 12.5



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: BF081570.D

Acq: 10 Sep 2015 16:37

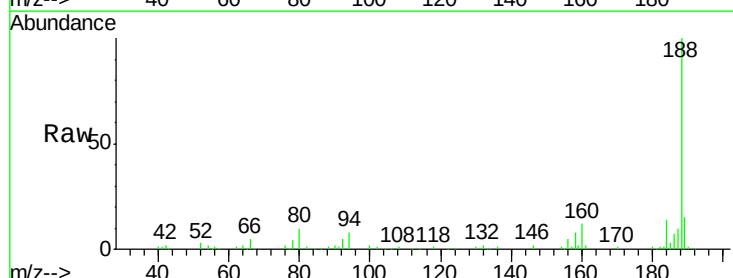
Tgt Ion:188 Resp: 184820

Ion Ratio Lower Upper

188 100

94 8.3 11.1 16.7#

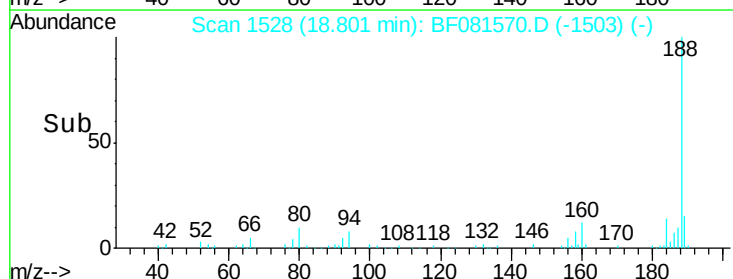
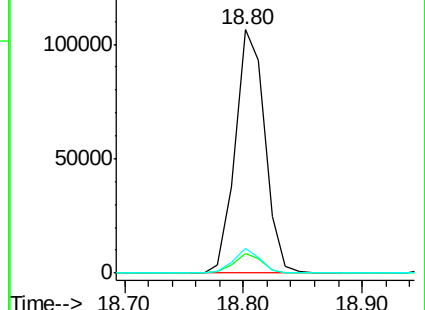
80 10.0 11.0 16.4#

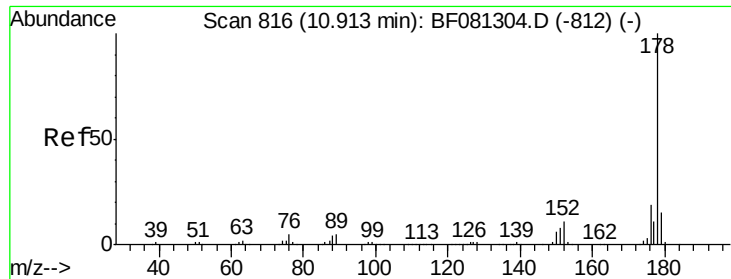


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

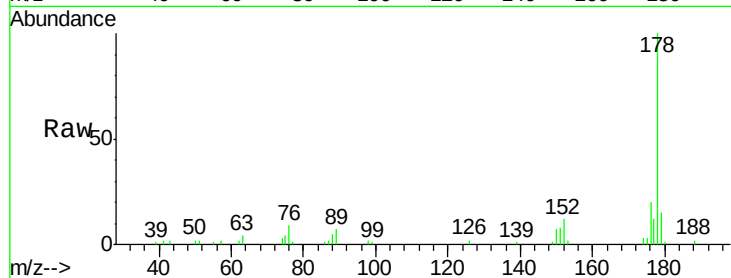




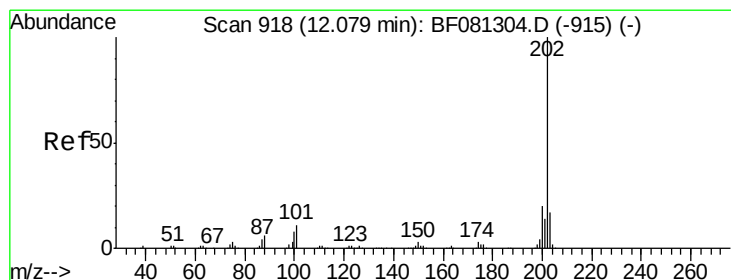
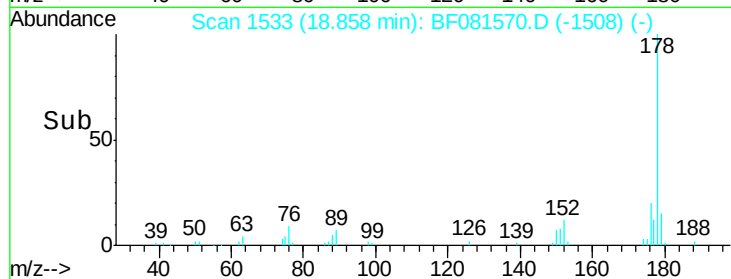
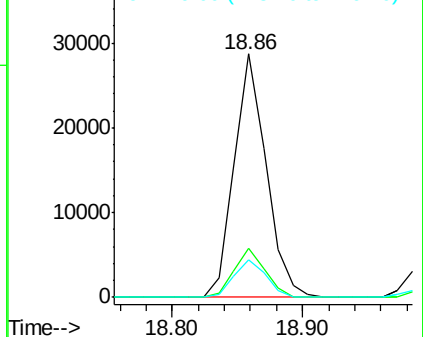
#70
Phenanthrene
Concen: 4.74 ng
RT: 18.86 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF081570.D
Acq: 10 Sep 2015 16:37

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1

Tgt Ion:178 Resp: 48751
Ion Ratio Lower Upper
178 100
176 20.3 13.8 20.8
179 15.4 12.2 18.2

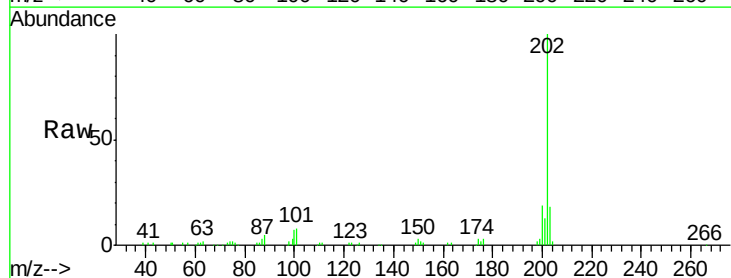


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

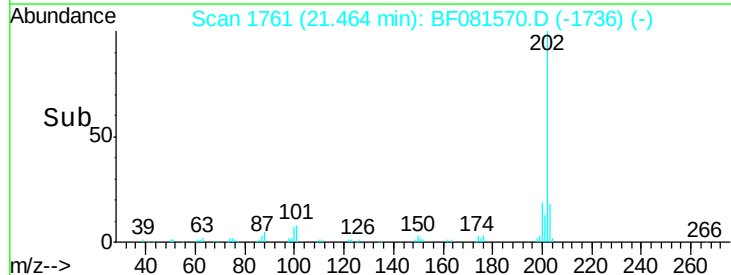
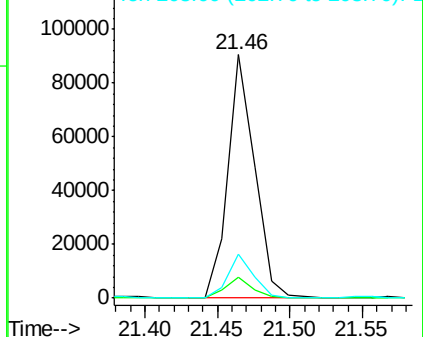


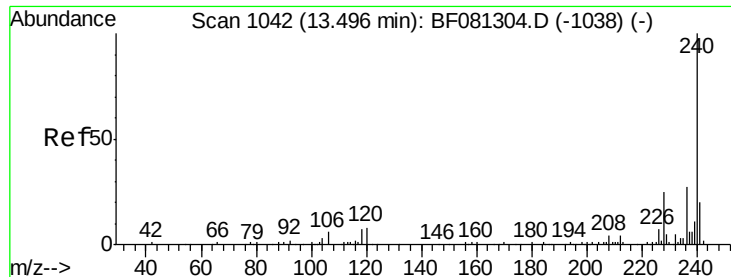
#74
Fluoranthene
Concen: 10.48 ng
RT: 21.46 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF081570.D
Acq: 10 Sep 2015 16:37

Tgt Ion:202 Resp: 116566
Ion Ratio Lower Upper
202 100
101 8.4 0.0 38.3
203 18.1 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

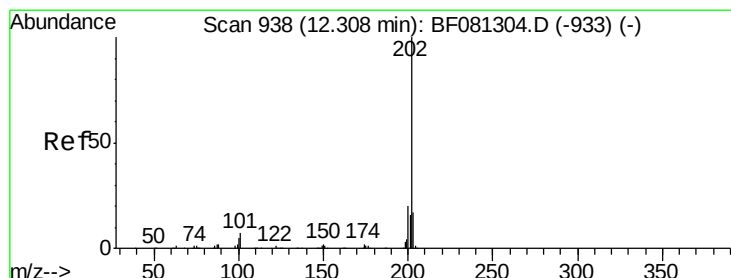
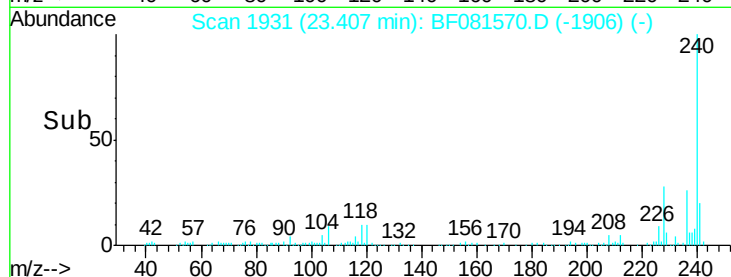
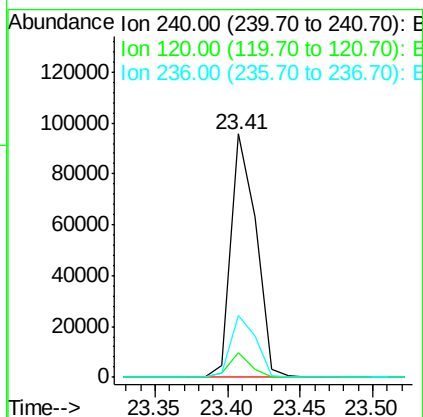
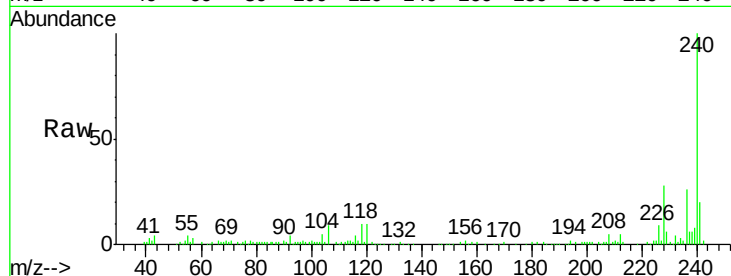




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.41 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: BF081570.D
 Acq: 10 Sep 2015 16:37

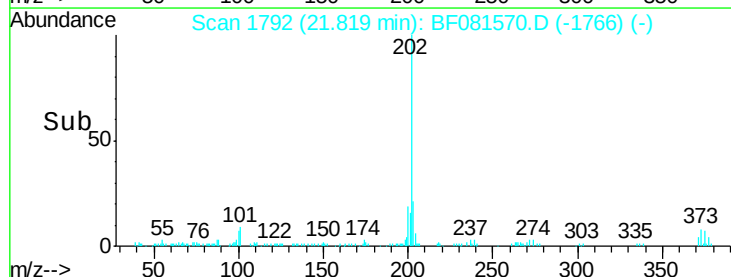
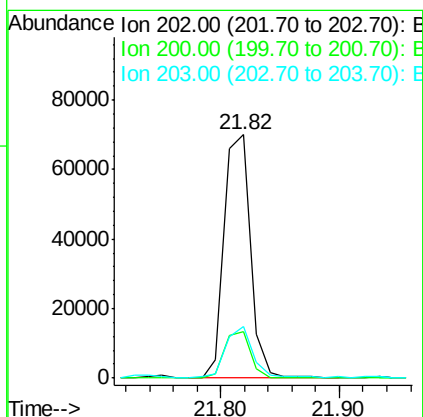
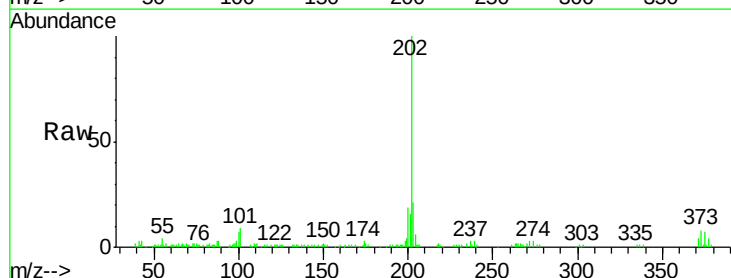
Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1

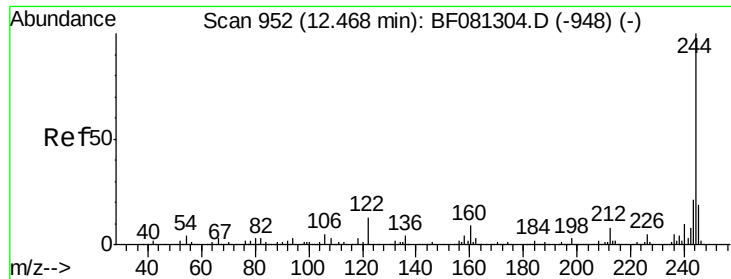
Tgt Ion: 240 Resp: 114976
 Ion Ratio Lower Upper
 240 100
 120 10.1 16.2 24.2#
 236 25.6 18.4 27.6



#77
 Pyrene
 Concen: 12.61 ng
 RT: 21.82 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BF081570.D
 Acq: 10 Sep 2015 16:37

Tgt Ion: 202 Resp: 107369
 Ion Ratio Lower Upper
 202 100
 200 19.1 15.0 22.4
 203 21.0 14.1 21.1

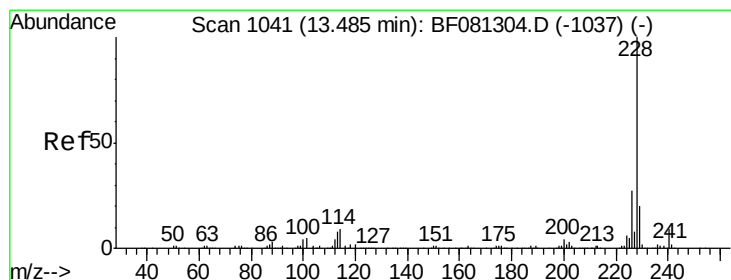
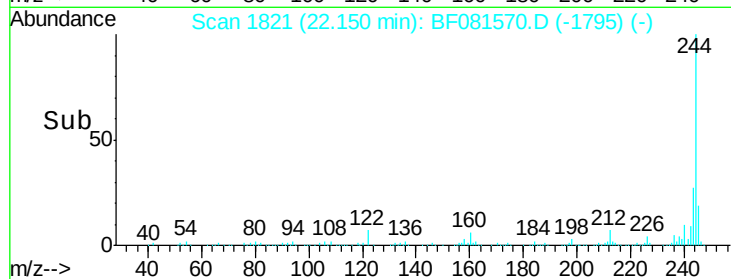
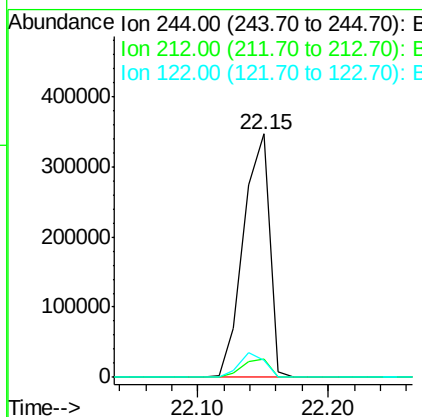
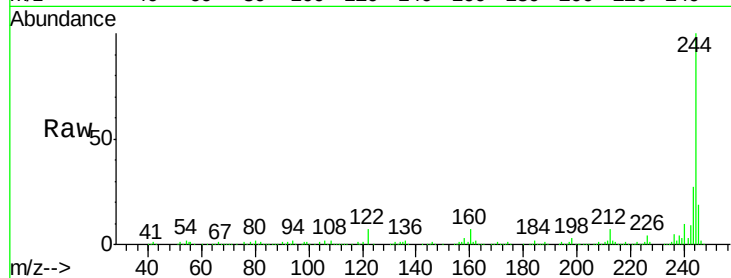




#78
 Terphenyl-d14
 Concen: 97.46 ng
 RT: 22.15 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BF081570.D
 Acq: 10 Sep 2015 16:37

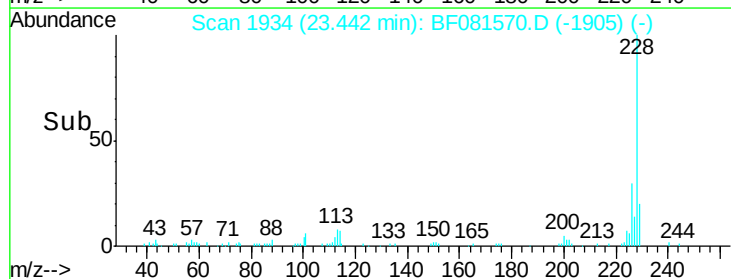
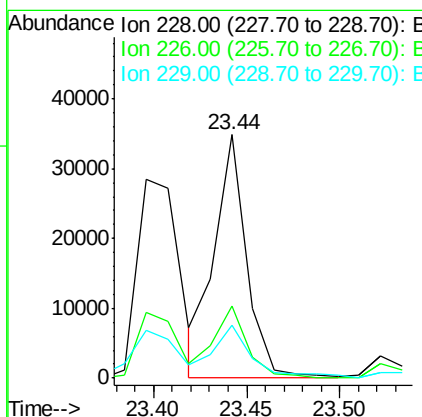
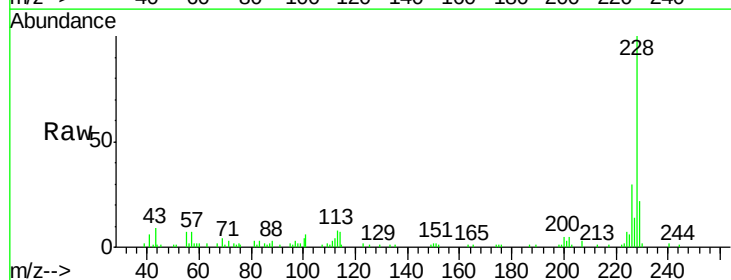
Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1

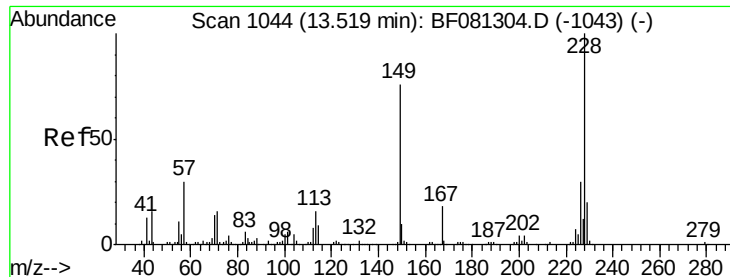
Tgt Ion:244 Resp: 481360
 Ion Ratio Lower Upper
 244 100
 212 7.4 4.3 6.5#
 122 6.9 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 5.76 ng
 RT: 23.44 min Scan# 1934
 Delta R.T. 0.03 min
 Lab File: BF081570.D
 Acq: 10 Sep 2015 16:37

Tgt Ion:228 Resp: 42153
 Ion Ratio Lower Upper
 228 100
 226 29.7 20.0 30.0
 229 21.5 15.4 23.2





#82

Chrysene

Concen: 6.42 ng

RT: 23.44 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1

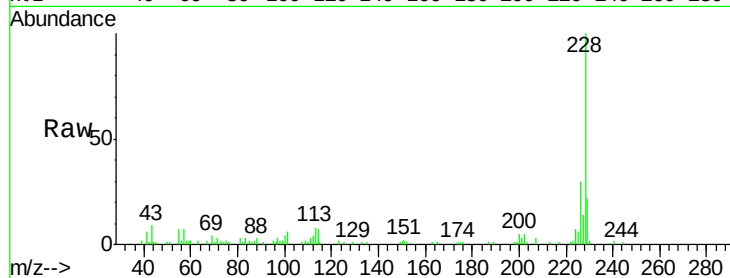
Tgt Ion:228 Resp: 42153

Ion Ratio Lower Upper

228 100

226 29.7 21.0 31.4

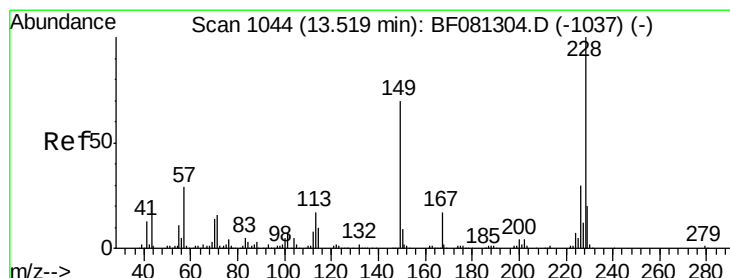
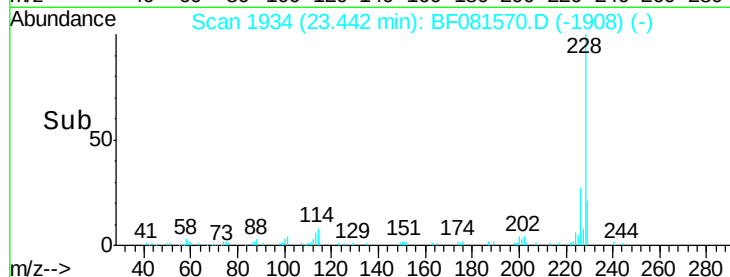
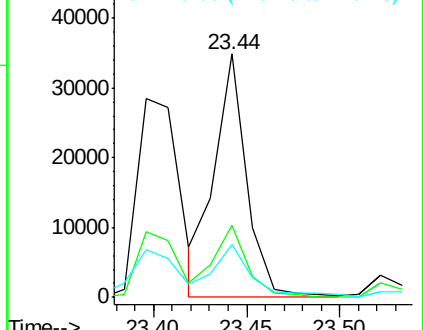
229 21.5 15.6 23.4



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: 3.71 ng

RT: 23.52 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

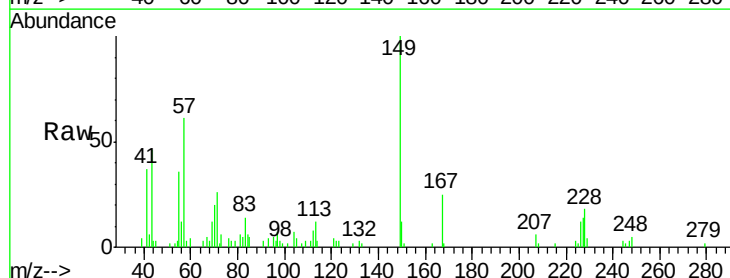
Tgt Ion:149 Resp: 18138

Ion Ratio Lower Upper

149 100

167 25.5 24.2 36.2

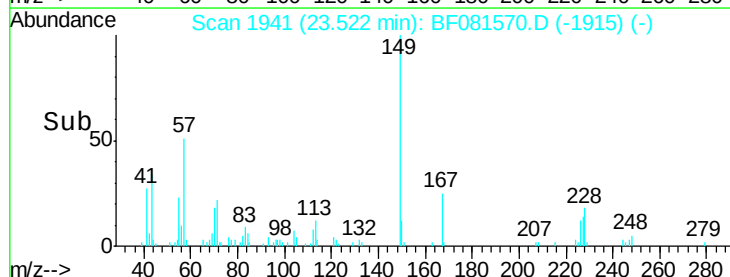
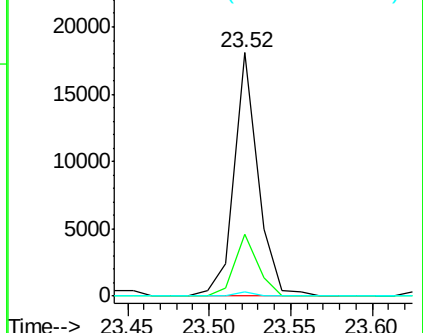
279 1.8 3.8 5.6#

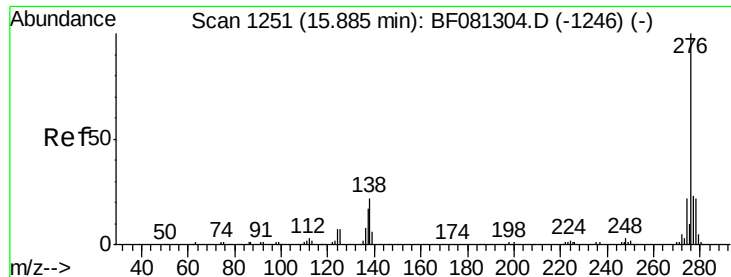


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

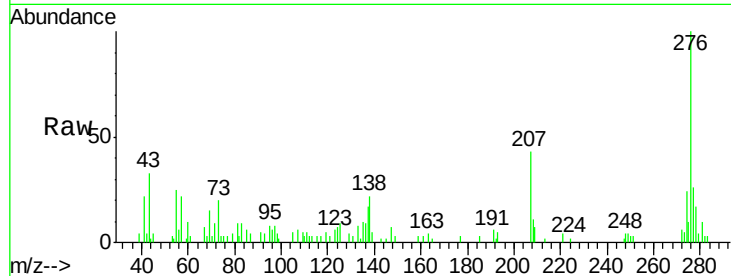




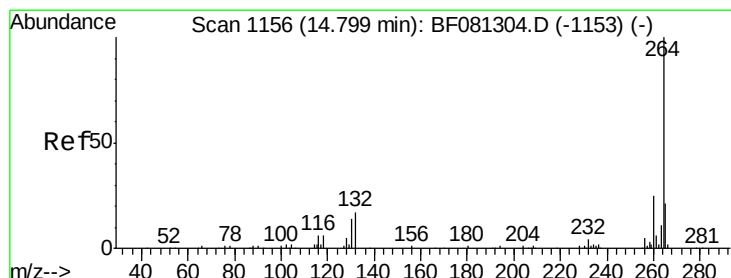
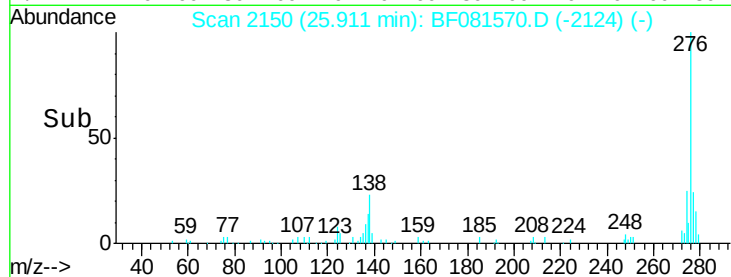
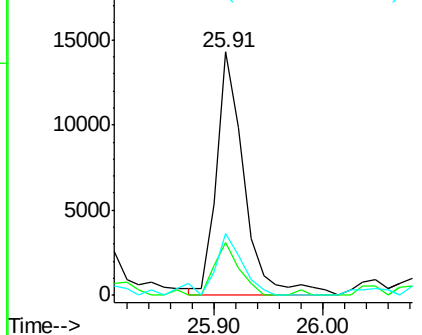
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.25 ng
 RT: 25.91 min Scan# 2150
 Delta R.T. -0.00 min
 Lab File: BF081570.D
 Acq: 10 Sep 2015 16:37

Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1

Tgt Ion: 276 Resp: 25262
 Ion Ratio Lower Upper
 276 100
 138 20.5 25.7 38.5#
 277 27.5 15.6 23.4#

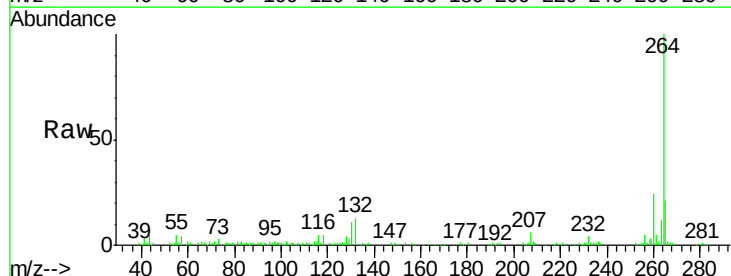


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

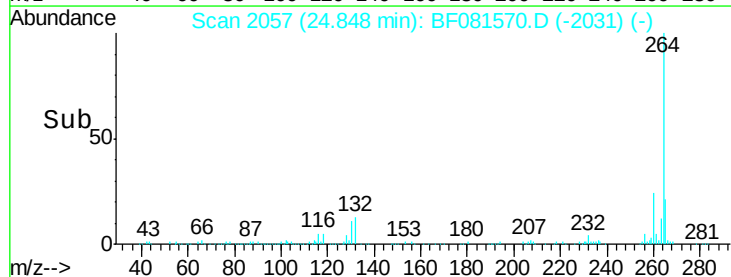
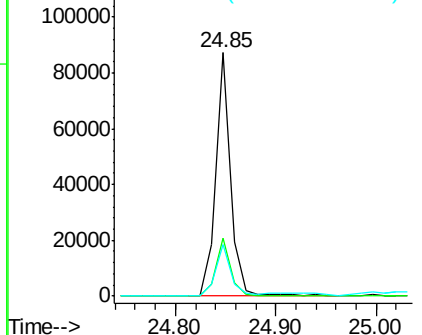


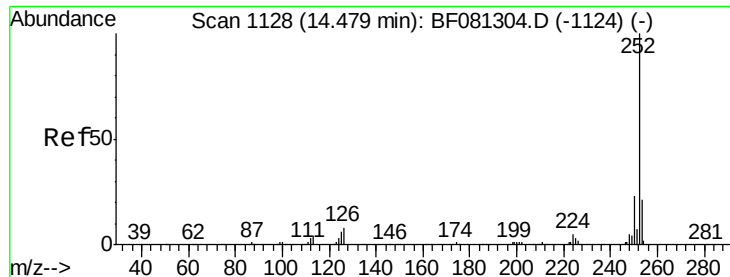
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.85 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: BF081570.D
 Acq: 10 Sep 2015 16:37

Tgt Ion: 264 Resp: 89438
 Ion Ratio Lower Upper
 264 100
 260 23.9 16.7 25.1
 265 21.2 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

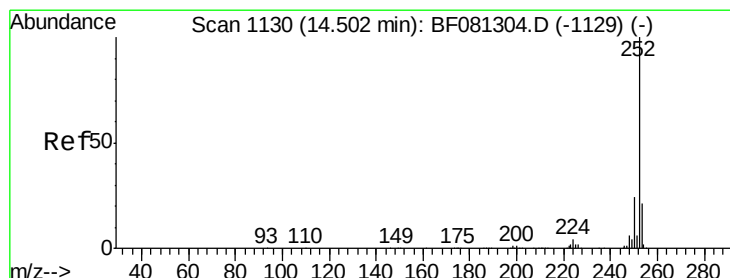
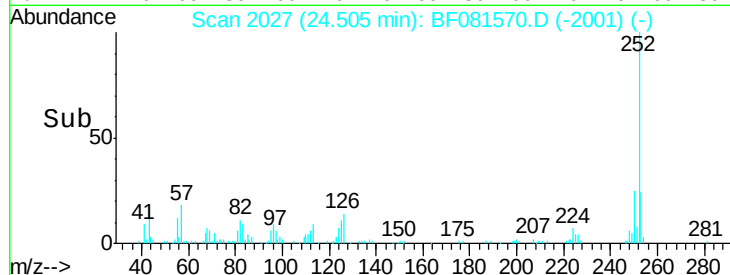
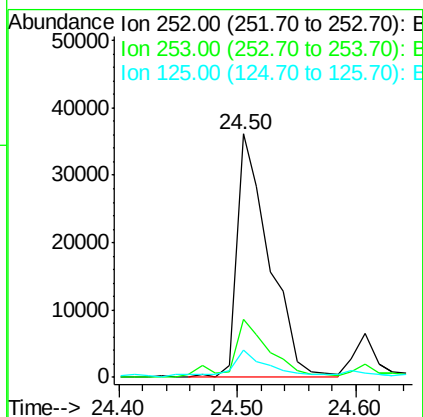
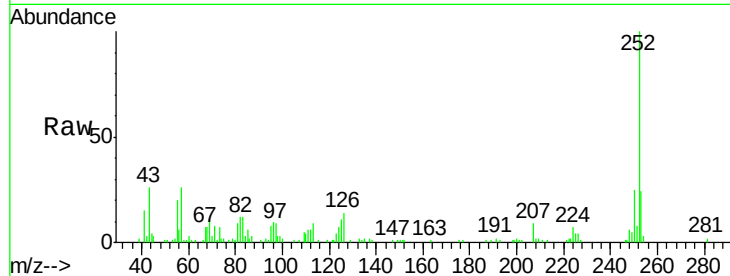




#87
Benzo(b)fluoranthene
Concen: 10.67 ng
RT: 24.50 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF081570.D
Acq: 10 Sep 2015 16:37

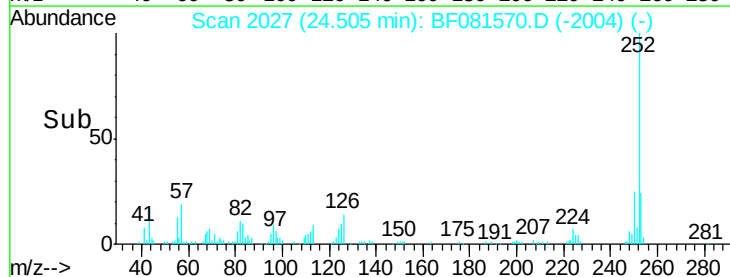
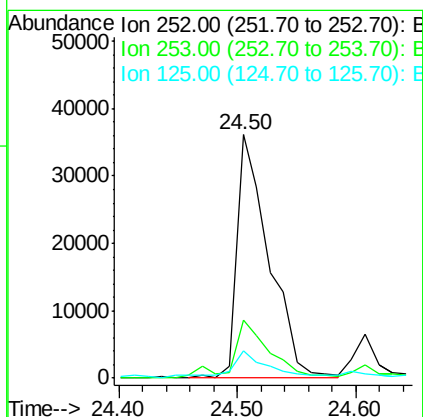
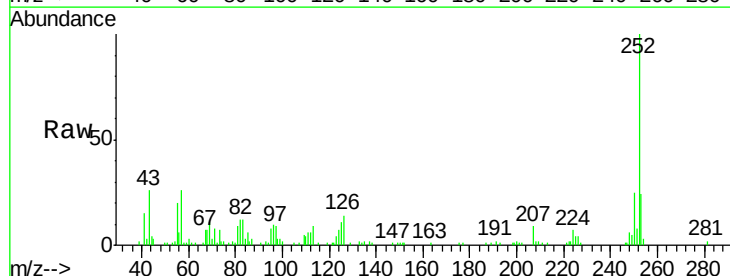
Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1

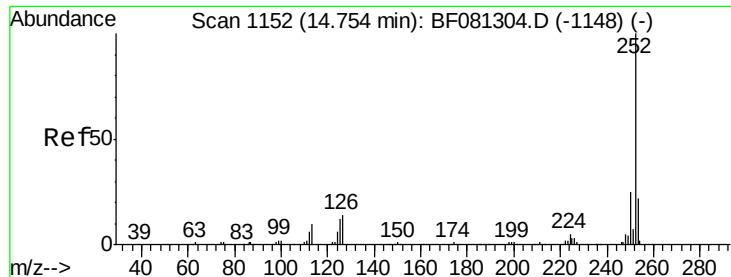
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	11.2	17.1	25.7#



#88
Benzo(k)fluoranthene
Concen: 12.86 ng
RT: 24.50 min Scan# 2027
Delta R.T. -0.03 min
Lab File: BF081570.D
Acq: 10 Sep 2015 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	11.2	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 6.32 ng

RT: 24.80 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1

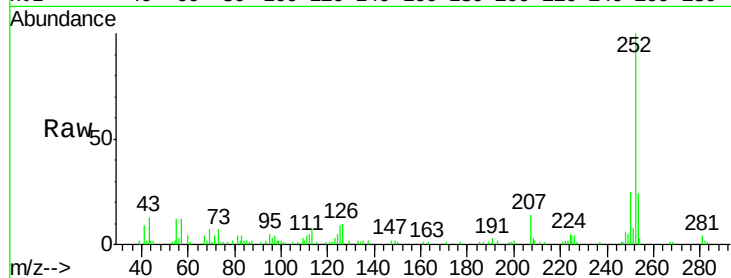
Tgt Ion:252 Resp: 34172

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

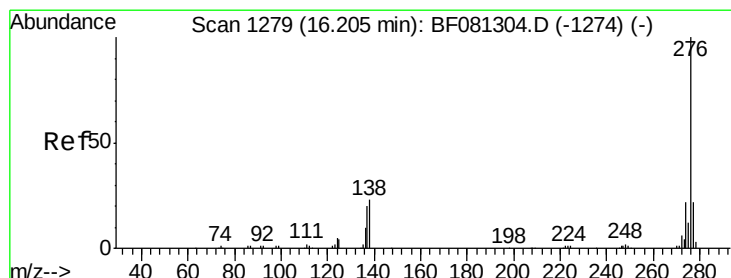
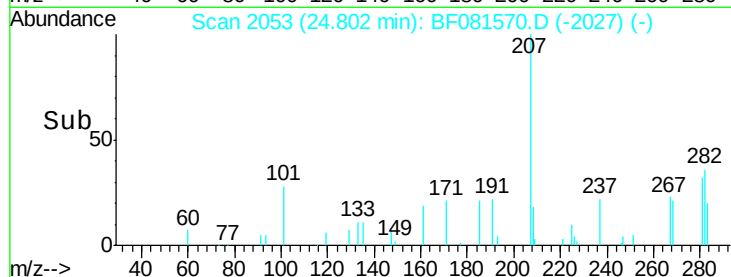
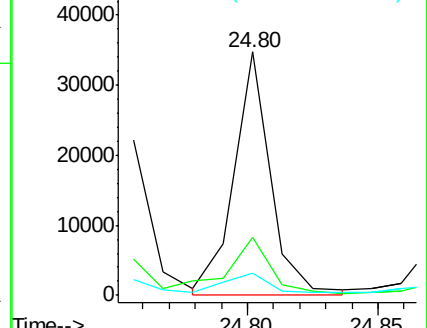
125 8.9 18.0 27.0#



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: 6.15 ng

RT: 26.22 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BF081570.D

Acq: 10 Sep 2015 16:37

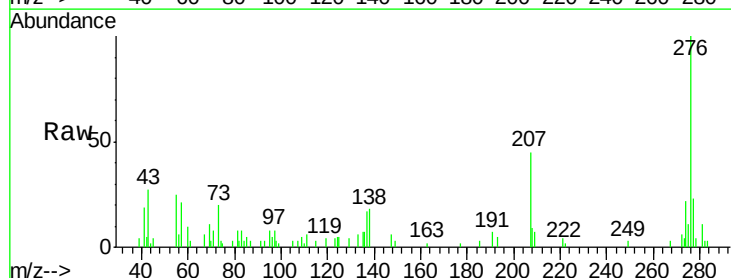
Tgt Ion:276 Resp: 24524

Ion Ratio Lower Upper

276 100

277 23.5 17.8 26.6

138 17.6 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

