

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078631.D
 Acq On : 18 Apr 2015 8:32
 Operator : TP/IZ
 Sample : G1919-01 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-NATURES-07

Quant Time: Apr 20 00:57:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

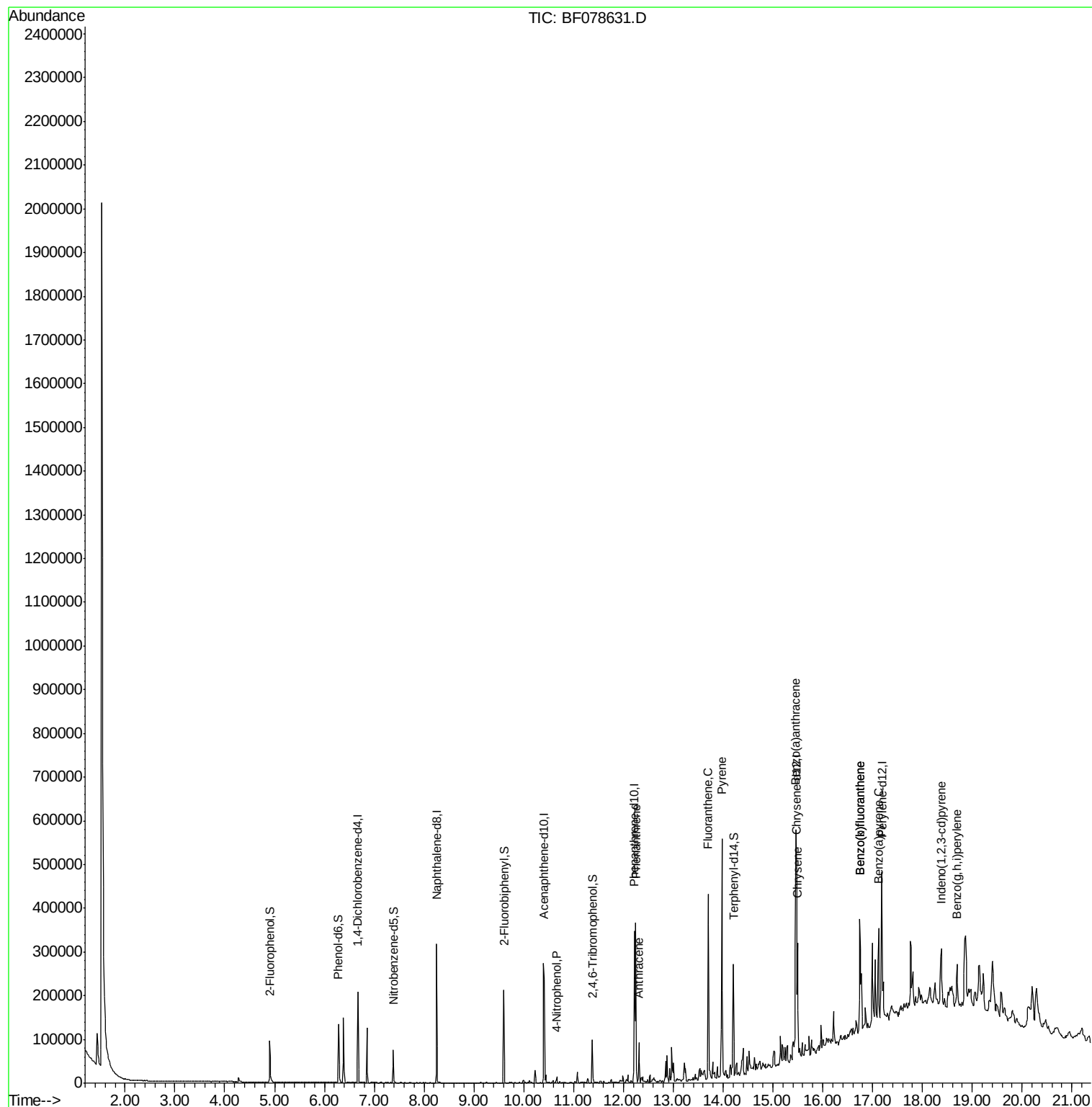
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	34860	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	150879	20.00	ng	0.00
38) Acenaphthene-d10	10.40	164	78643	20.00	ng	-0.01
63) Phenanthrene-d10	12.22	188	164218	20.00	ng	0.00
75) Chrysene-d12	15.47	240	189726	20.00	ng	0.01
86) Perylene-d12	17.19	264	196371	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	40705	19.25	ng	0.00
7) Phenol-d6	6.28	99	55572	20.97	ng	0.00
23) Nitrobenzene-d5	7.38	82	31204	12.54	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	14941	22.91	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	71848	13.06	ng	0.00
78) Terphenyl-d14	14.21	244	93047	11.08	ng	0.00
Target Compounds						Qvalue
55) 4-Nitrophenol	10.66	139	3003	5.61	ng	# 18
70) Phenanthrene	12.25	178	157535	16.58	ng	100
71) Anthracene	12.31	178	43319	4.63	ng	98
74) Fluoranthene	13.70	202	254555	25.41	ng	98
77) Pyrene	13.98	202	222881	18.71	ng	96
80) Benzo(a)anthracene	15.46	228	135488	12.00	ng	99
82) Chrysene	15.50	228	116957	11.03	ng	98
85) Indeno(1,2,3-cd)pyrene	18.38	276	71172	5.91	ng	# 90
87) Benzo(b)fluoranthene	16.74	252	201380	16.59	ng	# 97
88) Benzo(k)fluoranthene	16.74	252	201380	18.67	ng	97
89) Benzo(a)pyrene	17.12	252	108276	10.22	ng	96
91) Benzo(g,h,i)perylene	18.70	276	64304	6.05	ng	100

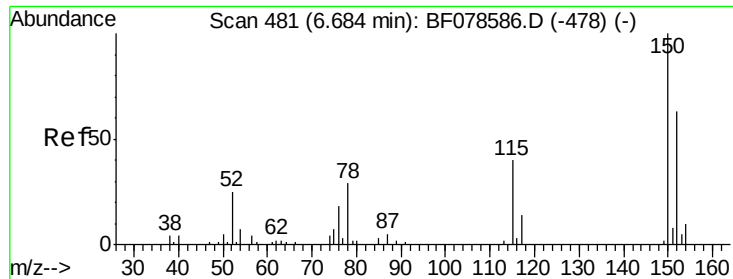
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 18 05:04:14 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 480

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Instrument :

BNA_F

ClientSampleId :

CF-NATURES-07

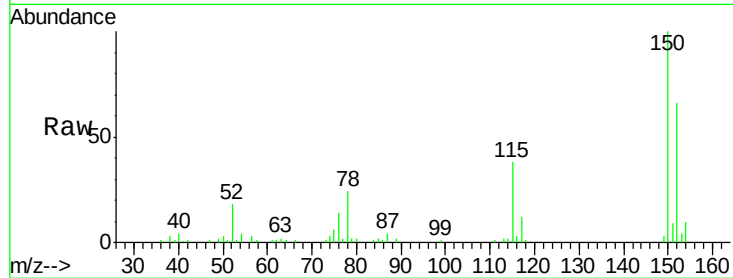
Tgt Ion:152 Resp: 34860

Ion Ratio Lower Upper

152 100

150 152.4 125.9 188.9

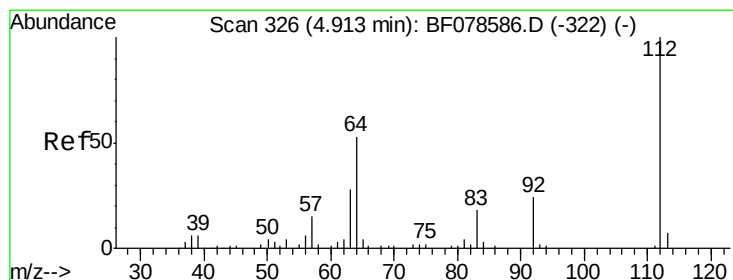
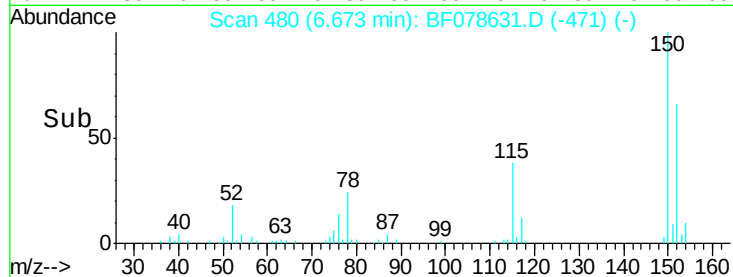
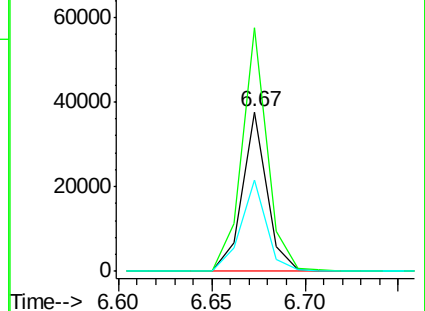
115 57.4 52.7 79.1



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: 19.25 ng

RT: 4.90 min Scan# 325

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

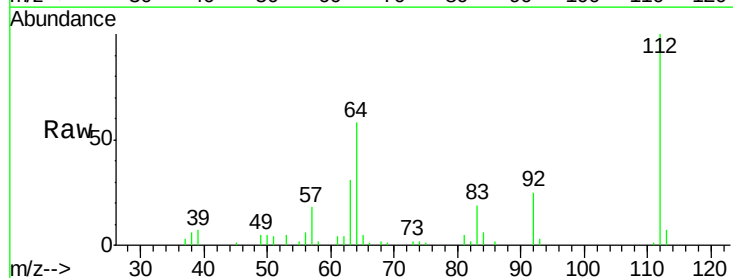
Tgt Ion:112 Resp: 40705

Ion Ratio Lower Upper

112 100

64 58.2 39.9 59.9

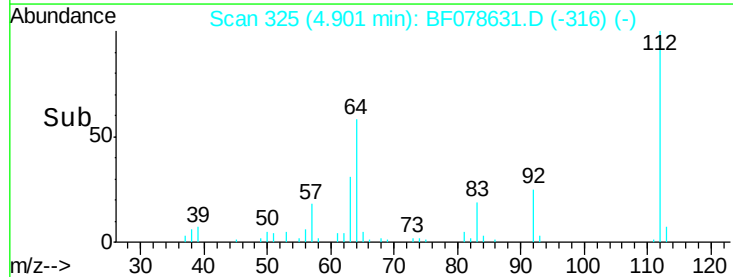
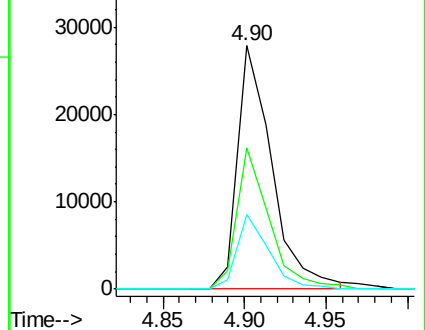
63 30.7 20.2 30.4#

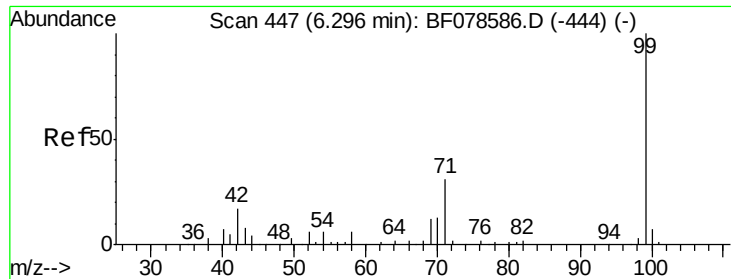


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.97 ng

RT: 6.28 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Instrument :

BNA_F

ClientSampleId :

CF-NATURES-07

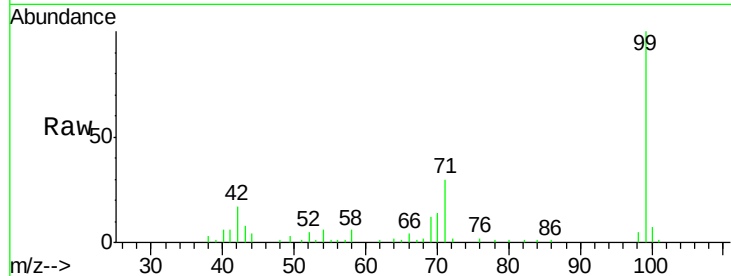
Tgt Ion: 99 Resp: 55572

Ion Ratio Lower Upper

99 100

42 16.5 14.8 22.2

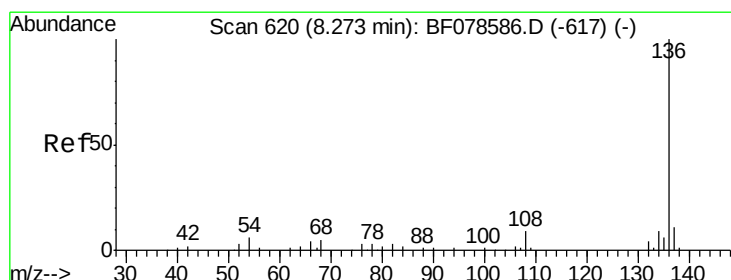
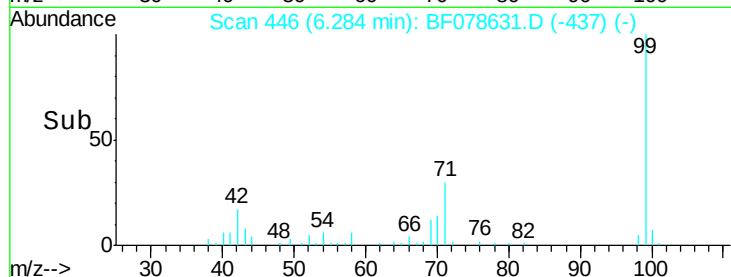
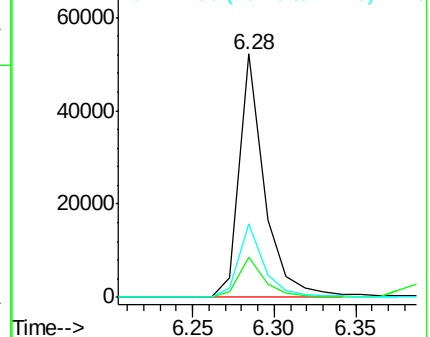
71 30.1 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.25 min Scan# 618

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Tgt Ion: 136 Resp: 150879

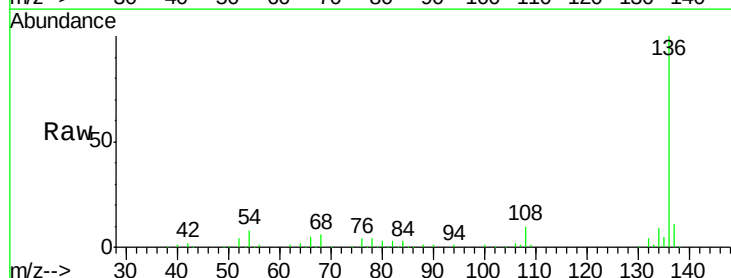
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.9 7.0 10.6

68 6.1 5.4 8.2

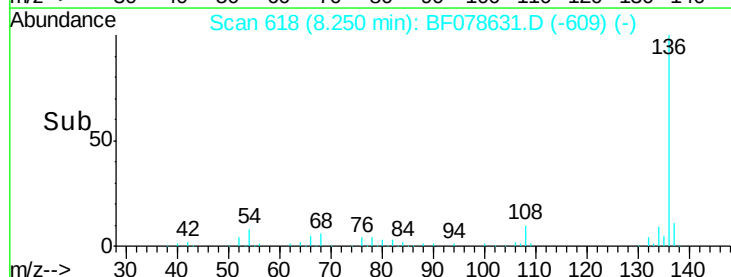
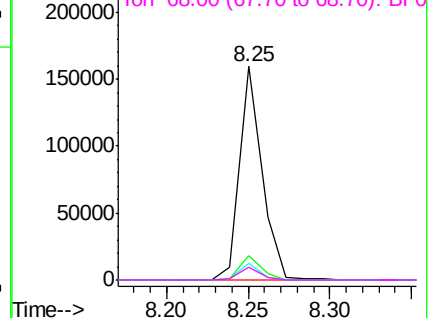


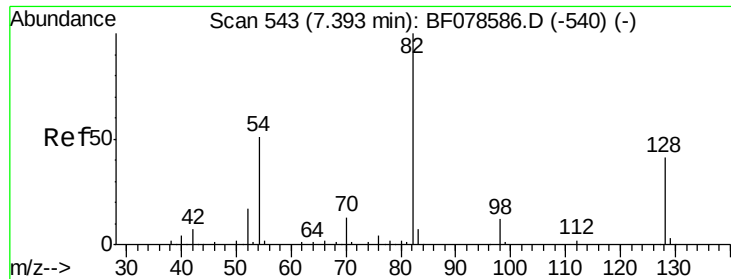
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

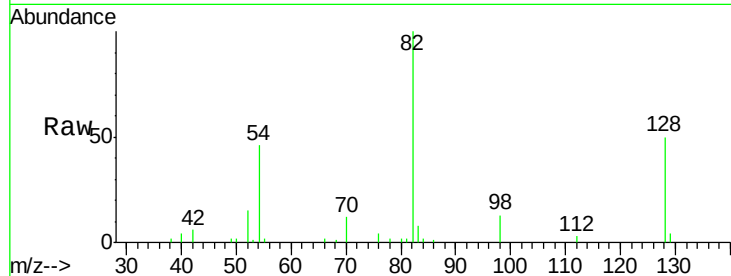




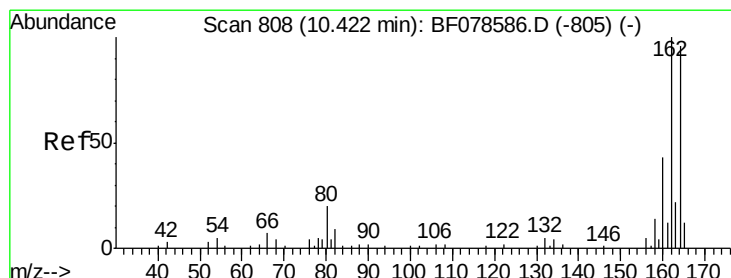
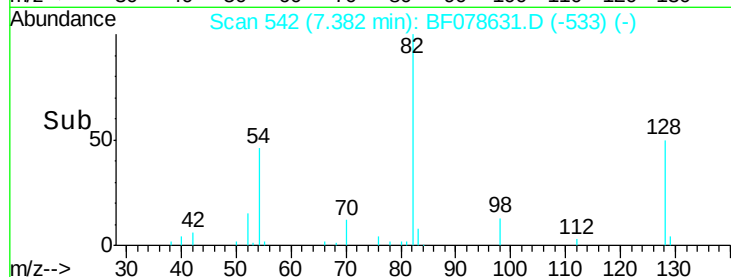
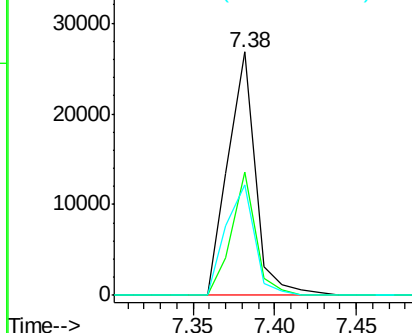
#23
 Nitrobenzene-d5
 Concen: 12.54 ng
 RT: 7.38 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Instrument :
 BNA_F
 ClientSampleId :
 CF-NATURES-07

Tgt Ion: 82 Resp: 31204
 Ion Ratio Lower Upper
 82 100
 128 50.5 31.8 47.8#
 54 45.6 41.5 62.3

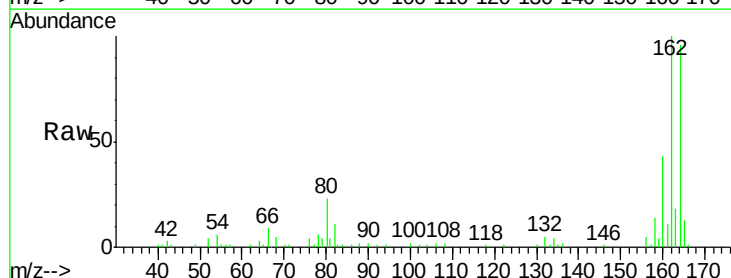


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

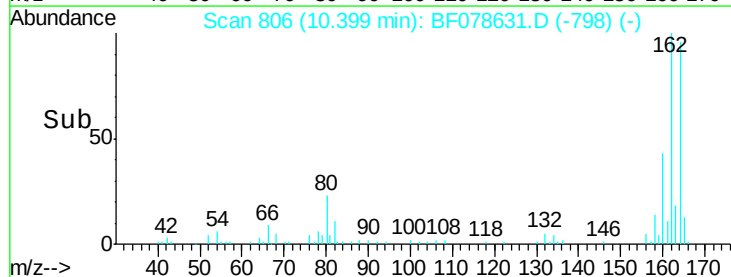
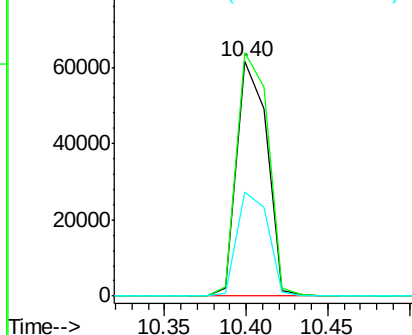


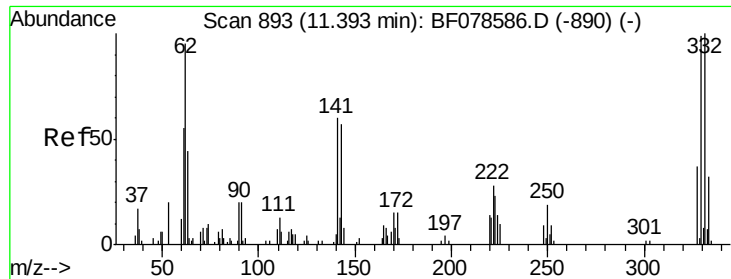
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.40 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Tgt Ion: 164 Resp: 78643
 Ion Ratio Lower Upper
 164 100
 162 104.0 82.2 123.2
 160 44.3 34.7 52.1



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

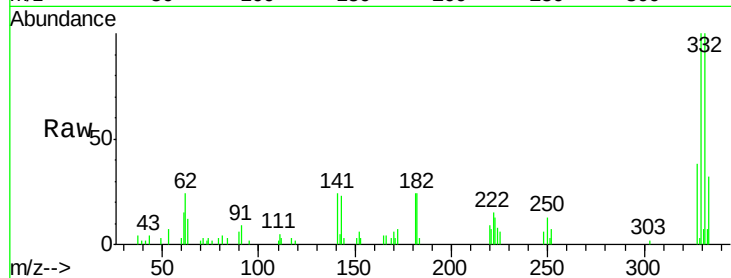




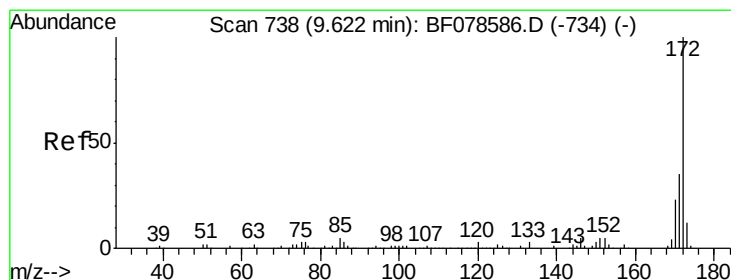
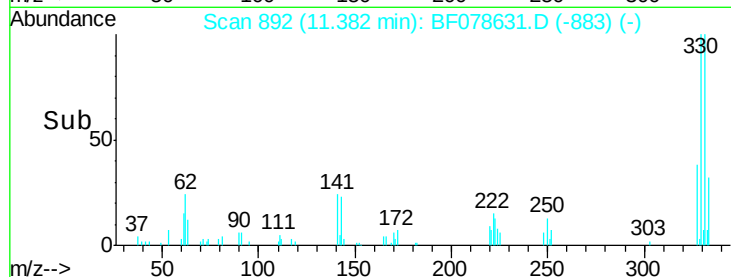
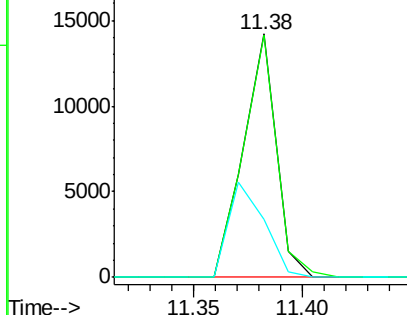
#41
 2,4,6-Tribromophenol
 Concen: 22.91 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Instrument :
 BNA_F
 ClientSampleId :
 CF-NATURES-07

Tgt Ion: 330 Resp: 14941
 Ion Ratio Lower Upper
 330 100
 332 101.2 78.6 117.8
 141 42.4 31.2 46.8

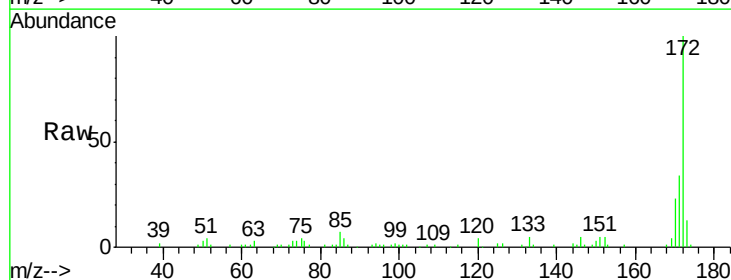


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

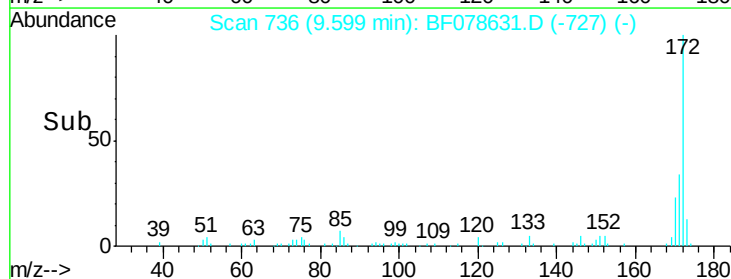
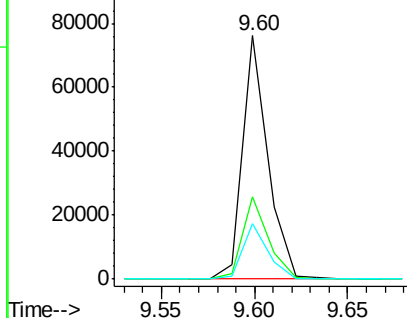


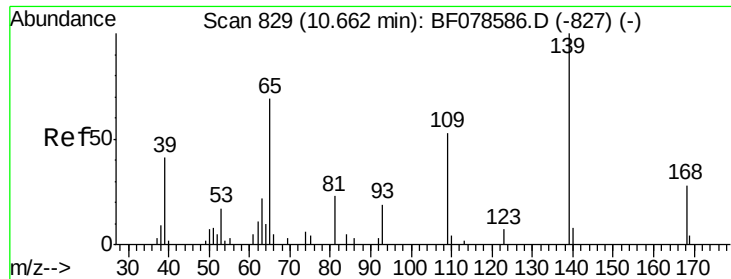
#44
 2-Fluorobiphenyl
 Concen: 13.06 ng
 RT: 9.60 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Tgt Ion: 172 Resp: 71848
 Ion Ratio Lower Upper
 172 100
 171 33.7 28.6 42.8
 170 22.6 18.5 27.7



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





#55

4-Nitrophenol

Concen: 5.61 ng

RT: 10.66 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Instrument :

BNA_F

ClientSampleId :

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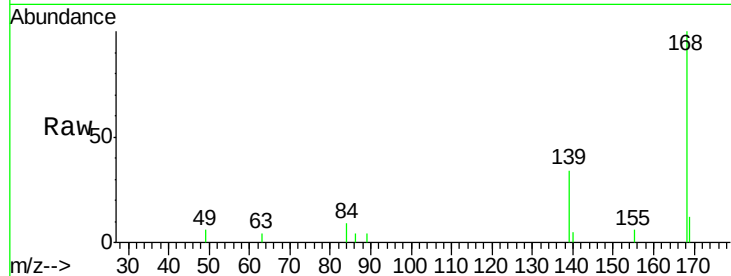
Tgt Ion:139 Resp: 3003

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

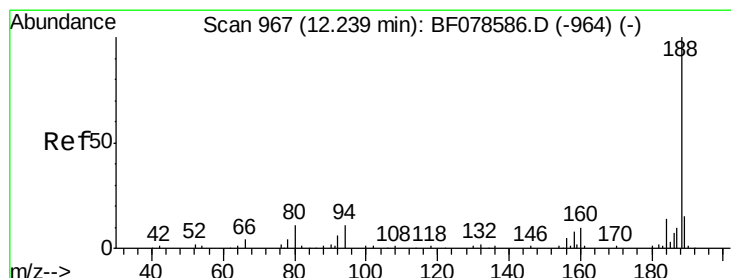
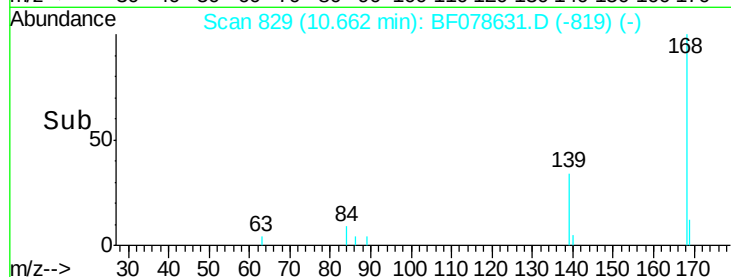
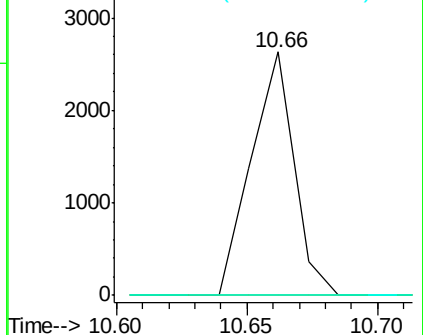
65 0.0 49.9 89.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.22 min Scan# 965

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

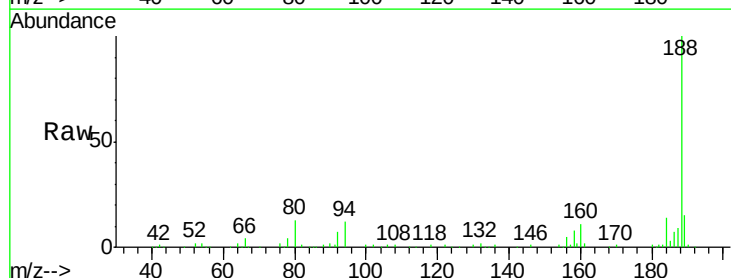
Tgt Ion:188 Resp: 164218

Ion Ratio Lower Upper

188 100

94 11.6 9.0 13.4

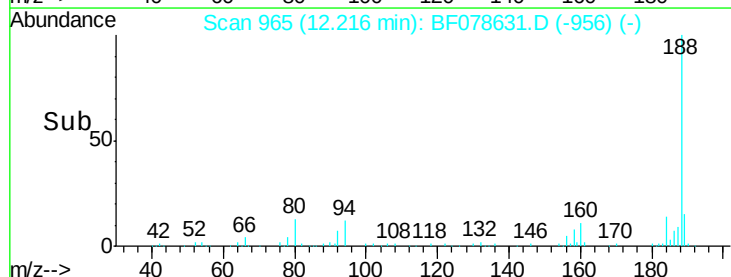
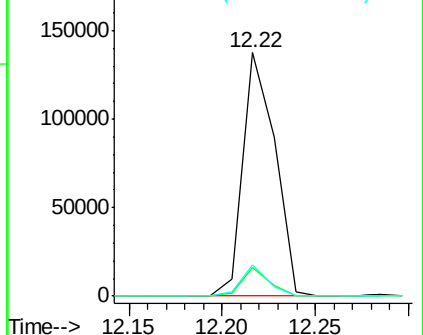
80 12.9 9.5 14.3

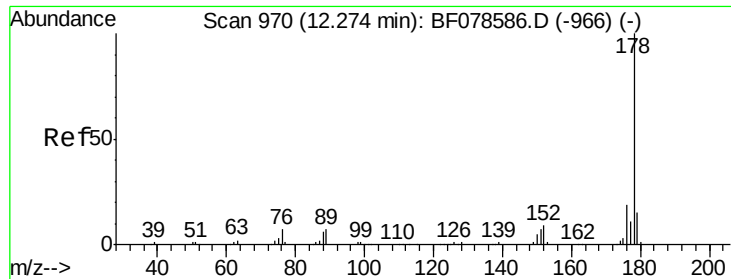


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 16.58 ng

RT: 12.25 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

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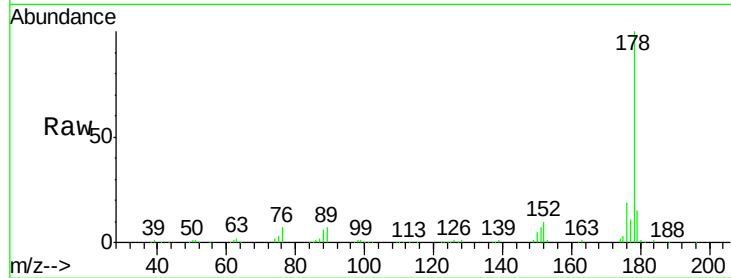
Tgt Ion:178 Resp: 157535

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

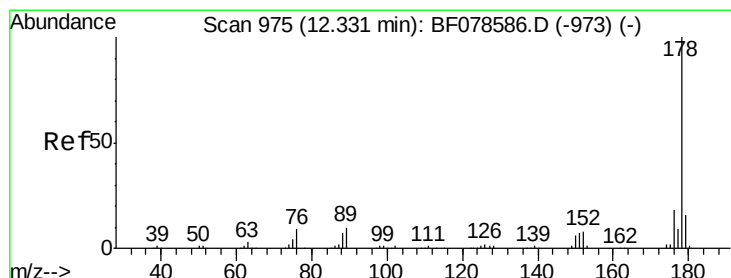
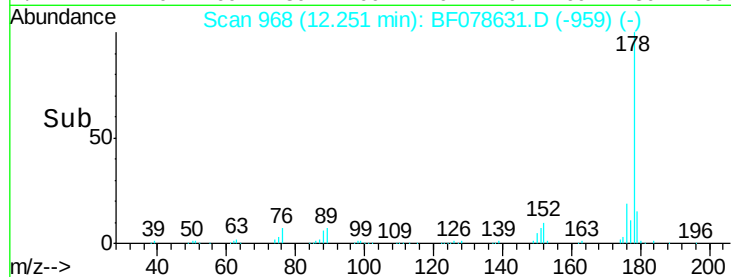
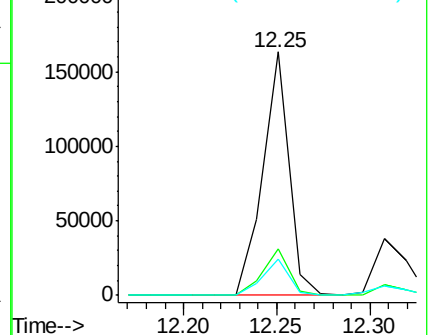
179 14.8 12.2 18.2



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



#71

Anthracene

Concen: 4.63 ng

RT: 12.31 min Scan# 973

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

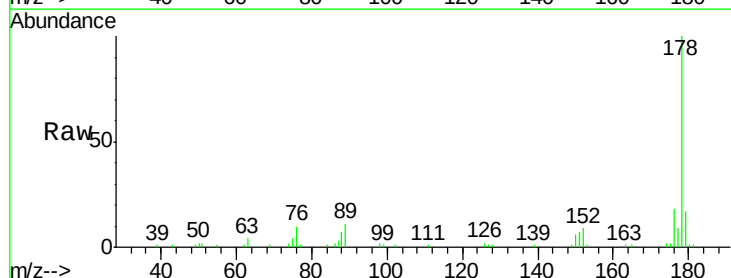
Tgt Ion:178 Resp: 43319

Ion Ratio Lower Upper

178 100

176 17.9 14.8 22.2

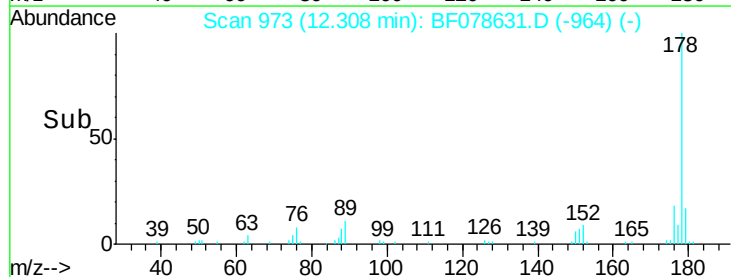
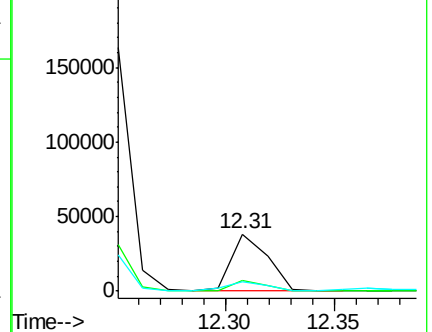
179 16.8 12.4 18.6

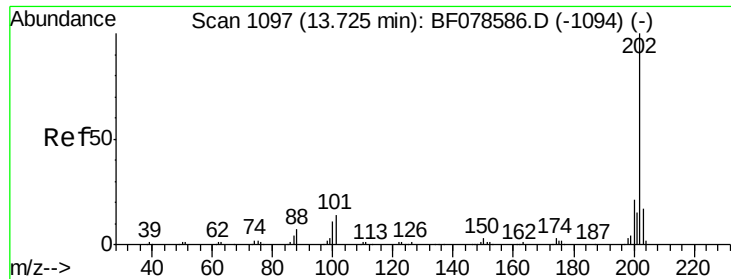


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 25.41 ng

RT: 13.70 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

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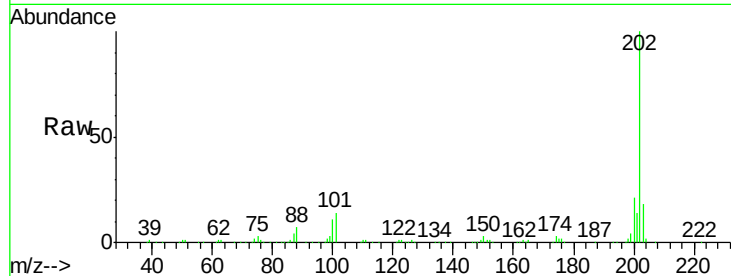
Tgt Ion: 202 Resp: 254555

Ion Ratio Lower Upper

202 100

101 14.3 0.0 35.2

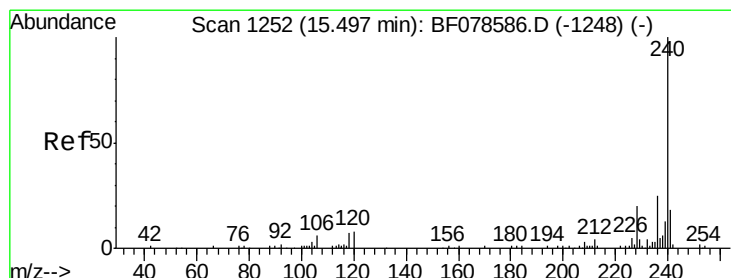
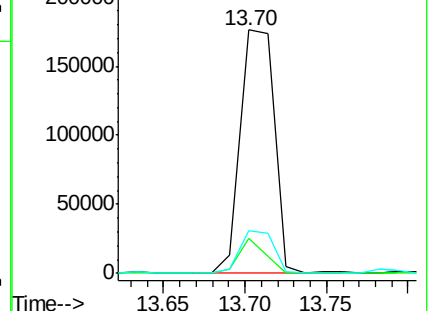
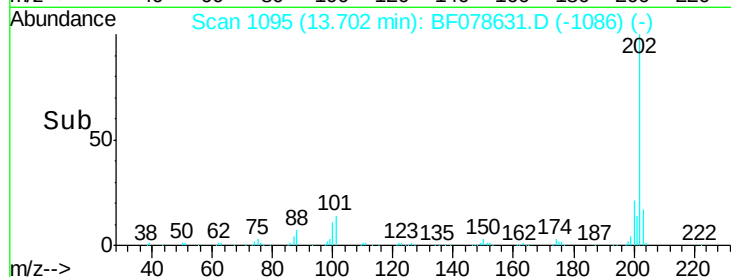
203 17.7 0.0 38.5



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: 15.47 min Scan# 1250

Delta R.T. 0.01 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

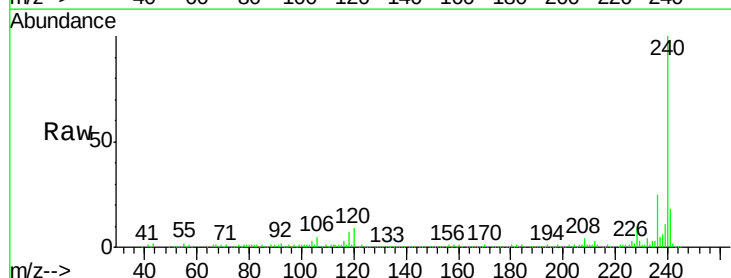
Tgt Ion: 240 Resp: 189726

Ion Ratio Lower Upper

240 100

120 8.6 7.1 10.7

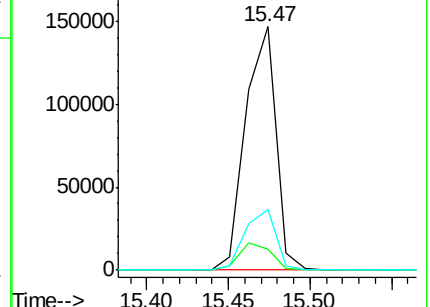
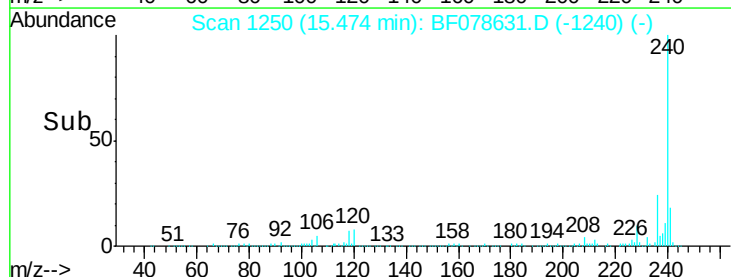
236 24.7 21.4 32.2

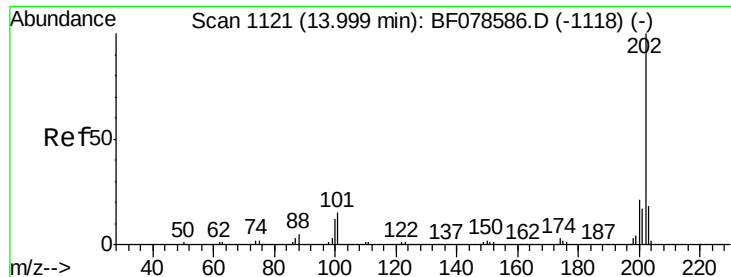


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 18.71 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Instrument :

BNA_F

ClientSampleId :

CF-NATURES-07

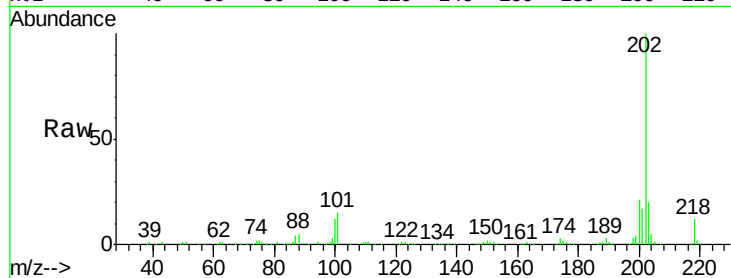
Tgt Ion:202 Resp: 222881

Ion Ratio Lower Upper

202 100

200 21.3 16.3 24.5

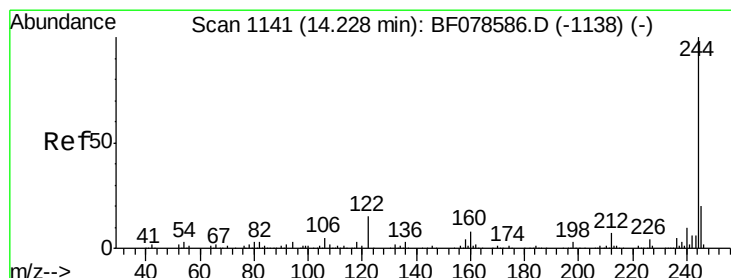
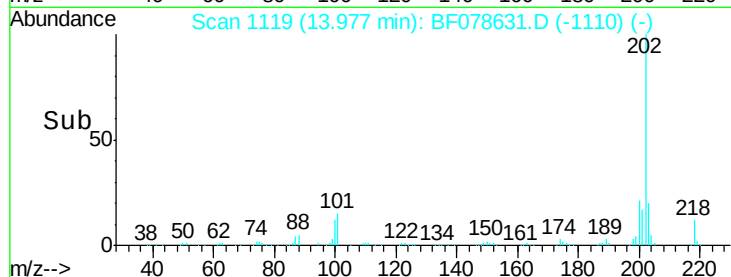
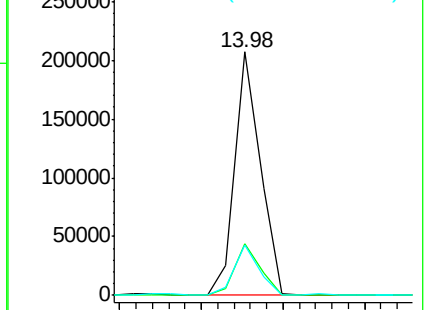
203 20.4 13.8 20.6



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: 11.08 ng

RT: 14.21 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

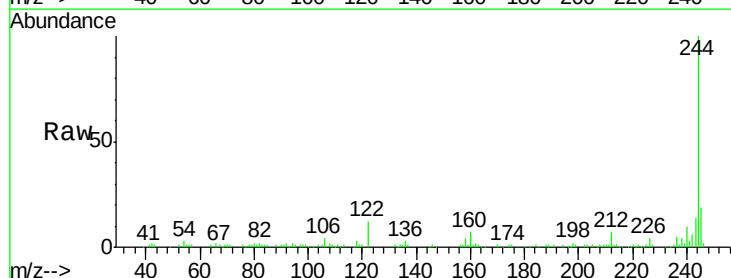
Tgt Ion:244 Resp: 93047

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

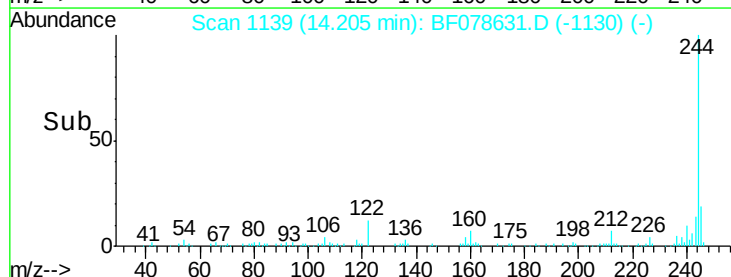
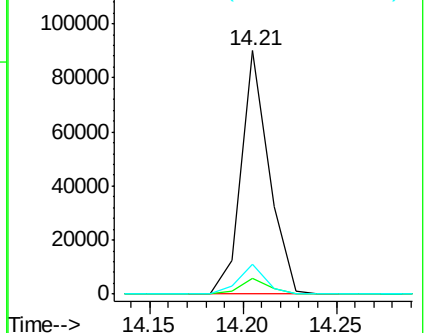
122 12.1 7.1 10.7#

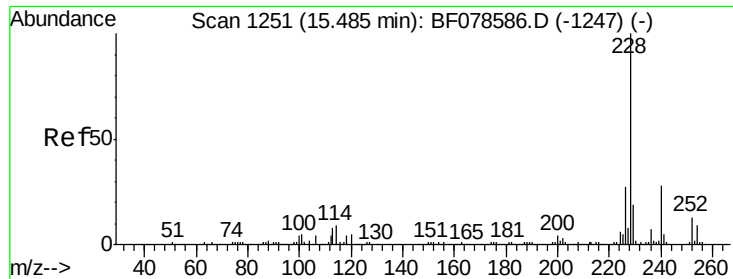


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

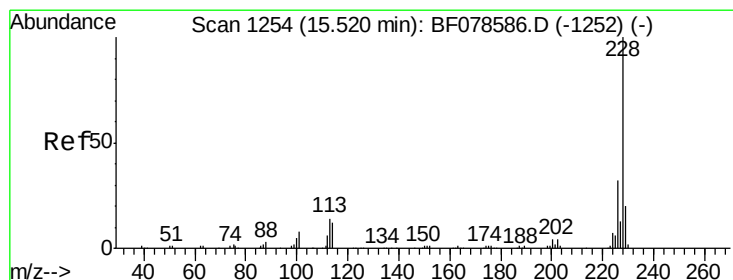
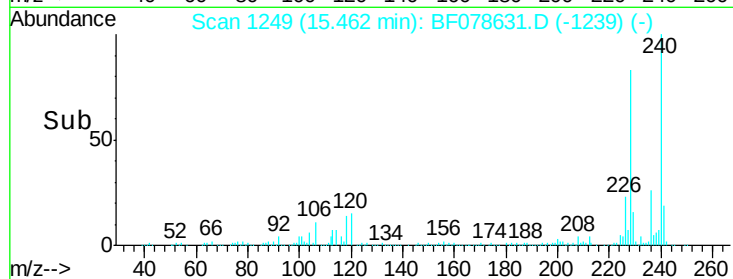
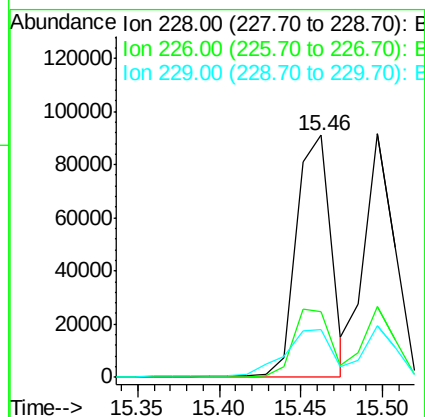
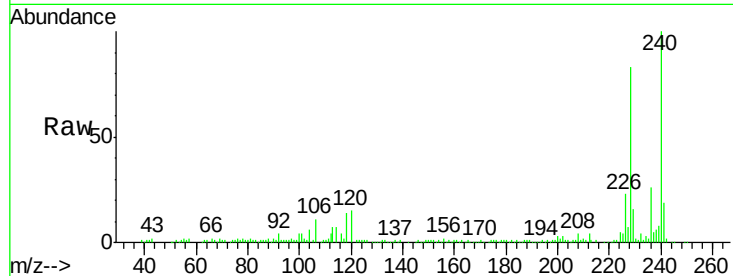




#80
Benzo(a)anthracene
Concen: 12.00 ng
RT: 15.46 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF078631.D
Acq: 18 Apr 2015 8:32

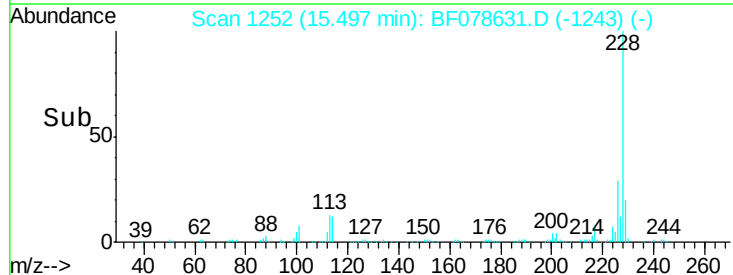
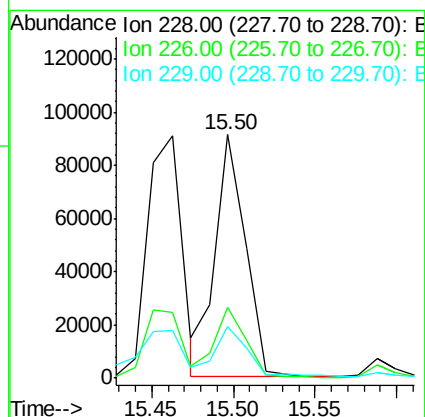
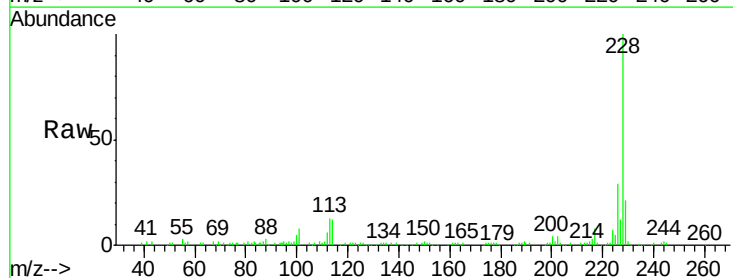
Instrument :
BNA_F
ClientSampleId :
CF-NATURES-07

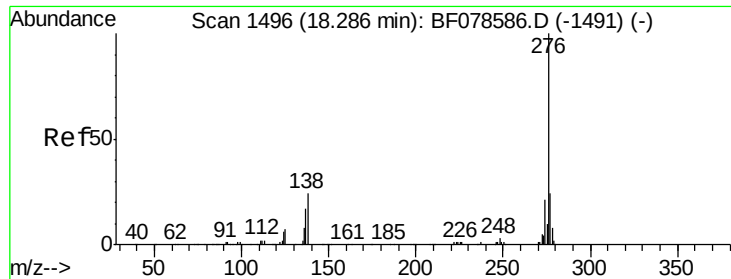
Tgt Ion: 228 Resp: 135488
Ion Ratio Lower Upper
228 100
226 27.1 21.3 31.9
229 19.5 15.4 23.2



#82
Chrysene
Concen: 11.03 ng
RT: 15.50 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BF078631.D
Acq: 18 Apr 2015 8:32

Tgt Ion: 228 Resp: 116957
Ion Ratio Lower Upper
228 100
226 29.1 24.2 36.4
229 21.0 15.8 23.8

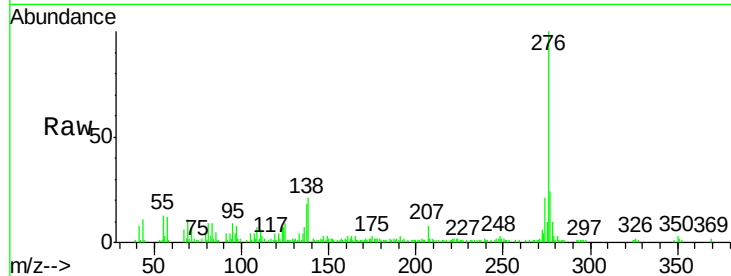




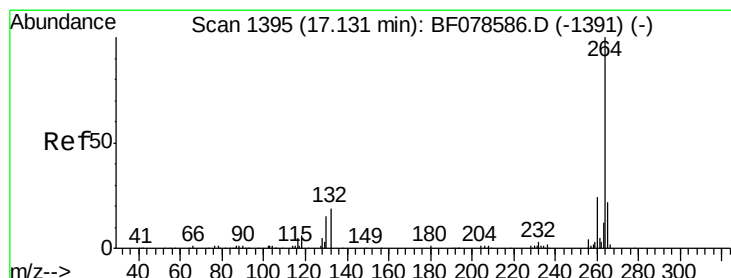
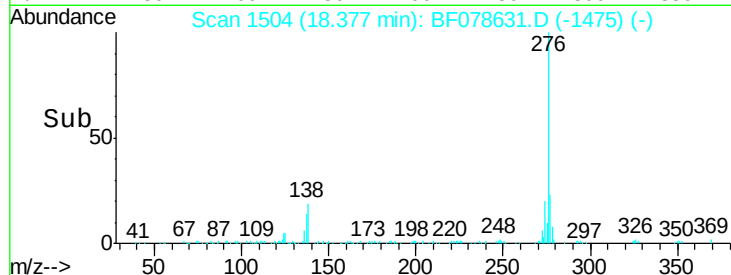
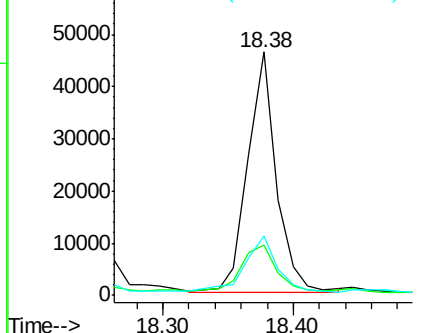
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.91 ng
 RT: 18.38 min Scan# 1504
 Delta R.T. 0.03 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Instrument :
 BNA_F
 ClientSampleId :
 CF-NATURES-07

Tgt Ion: 276 Resp: 71172
 Ion Ratio Lower Upper
 276 100
 138 23.8 16.9 25.3
 277 26.0 15.8 23.6#

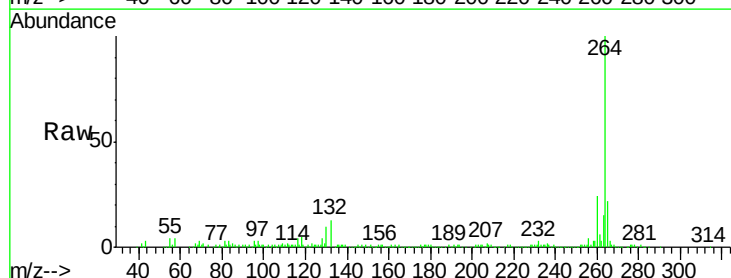


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

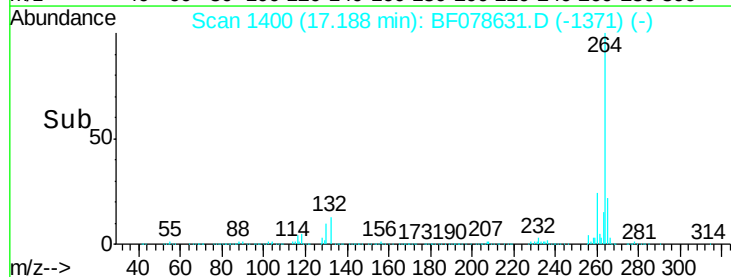
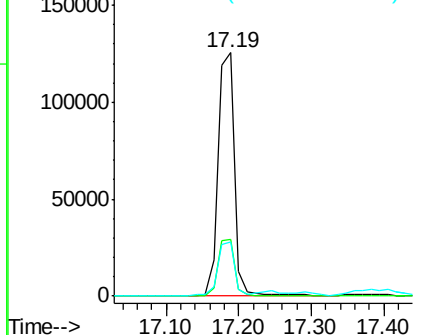


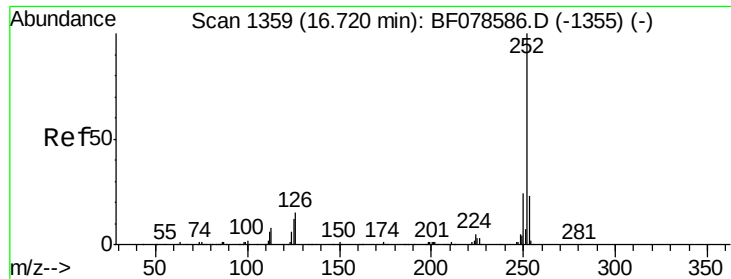
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.19 min Scan# 1400
 Delta R.T. 0.03 min
 Lab File: BF078631.D
 Acq: 18 Apr 2015 8:32

Tgt Ion: 264 Resp: 196371
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 27.8
 265 22.0 17.0 25.6



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

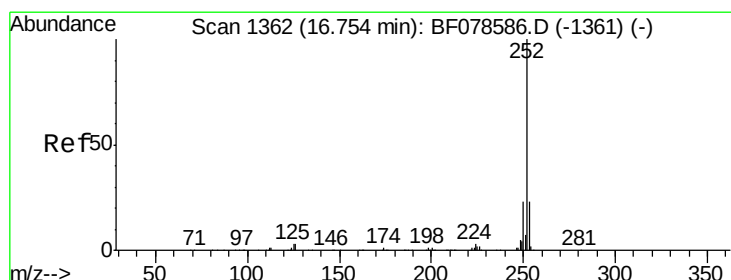
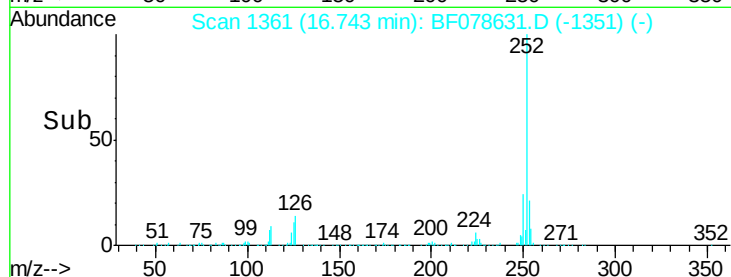
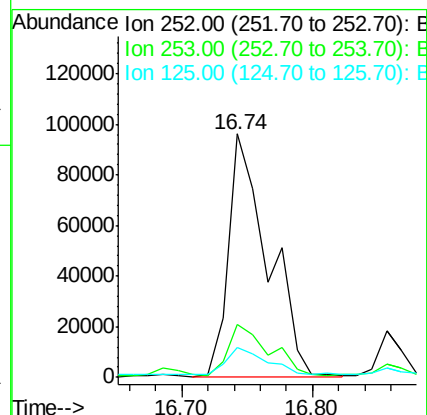
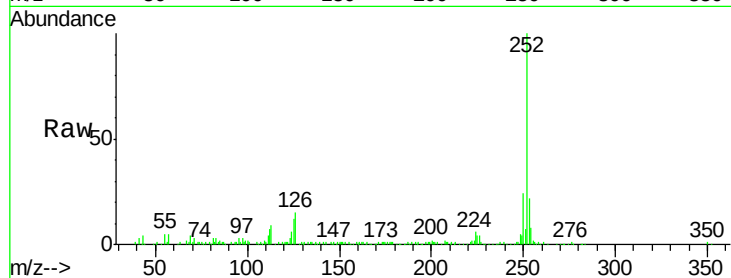




#87
Benzo(b)fluoranthene
Concen: 16.59 ng
RT: 16.74 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BF078631.D
Acq: 18 Apr 2015 8:32

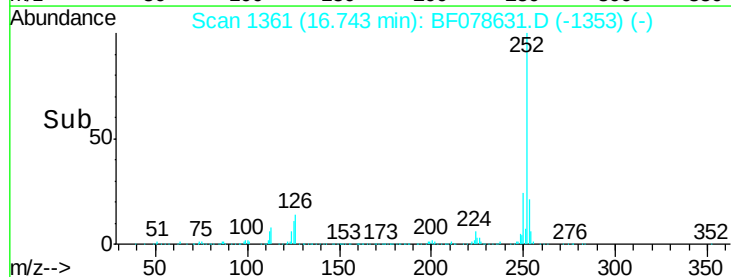
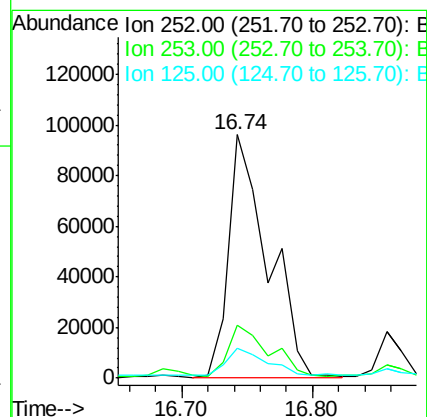
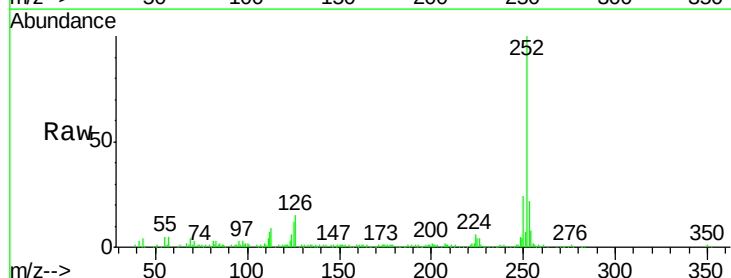
Instrument :
BNA_F
ClientSampleId :
CF-NATURES-07

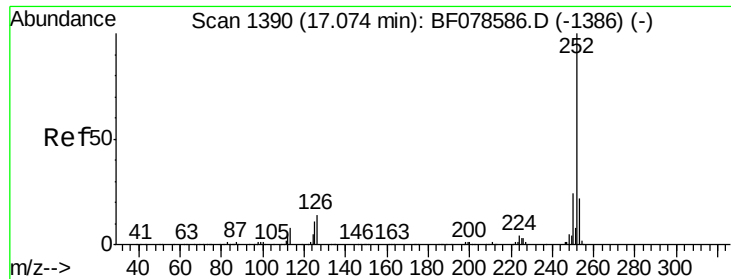
Tgt Ion:252 Resp: 201380
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 12.1 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 18.67 ng
RT: 16.74 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF078631.D
Acq: 18 Apr 2015 8:32

Tgt Ion:252 Resp: 201380
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 12.1 11.6 17.4





#89

Benzo(a)pyrene

Concen: 10.22 ng

RT: 17.12 min Scan# 1394

Delta R.T. 0.02 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

Instrument :

BNA_F

ClientSampleId :

CF-NATURES-07

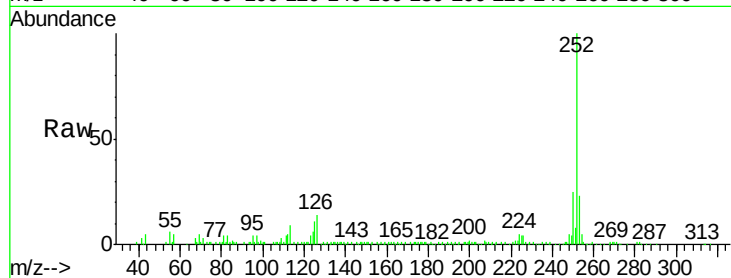
Tgt Ion: 252 Resp: 108276

Ion Ratio Lower Upper

252 100

253 23.0 16.8 25.2

125 10.8 7.4 11.0

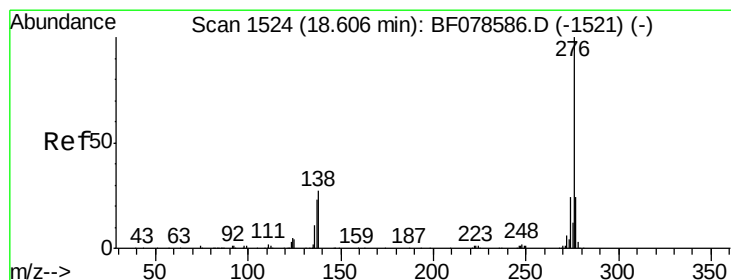
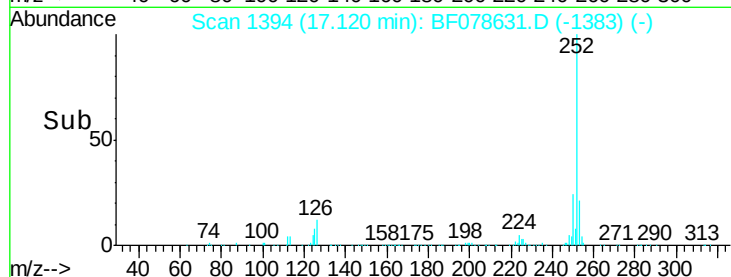
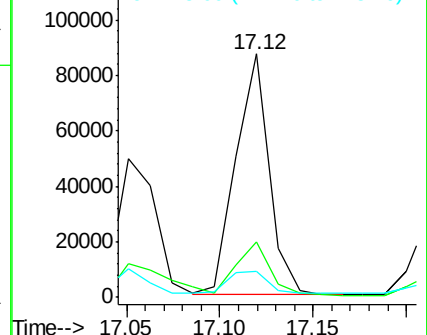


Abundance

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: 6.05 ng

RT: 18.70 min Scan# 1532

Delta R.T. 0.03 min

Lab File: BF078631.D

Acq: 18 Apr 2015 8:32

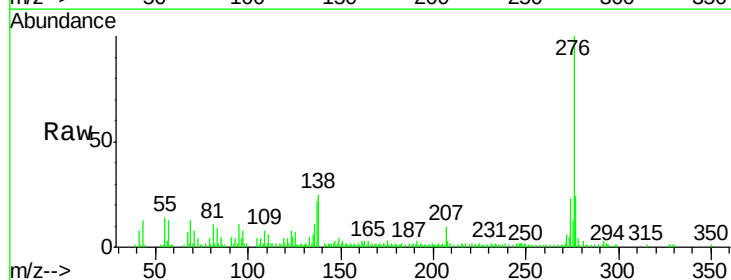
Tgt Ion: 276 Resp: 64304

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 24.9 19.9 29.9



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

