

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052015\
 Data File : BF079395.D
 Acq On : 20 May 2015 23:18
 Operator : TP/IZ
 Sample : G2314-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC051915-SOIL

Quant Time: May 21 01:20:38 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 05:08:22 2015
 Response via : Initial Calibration

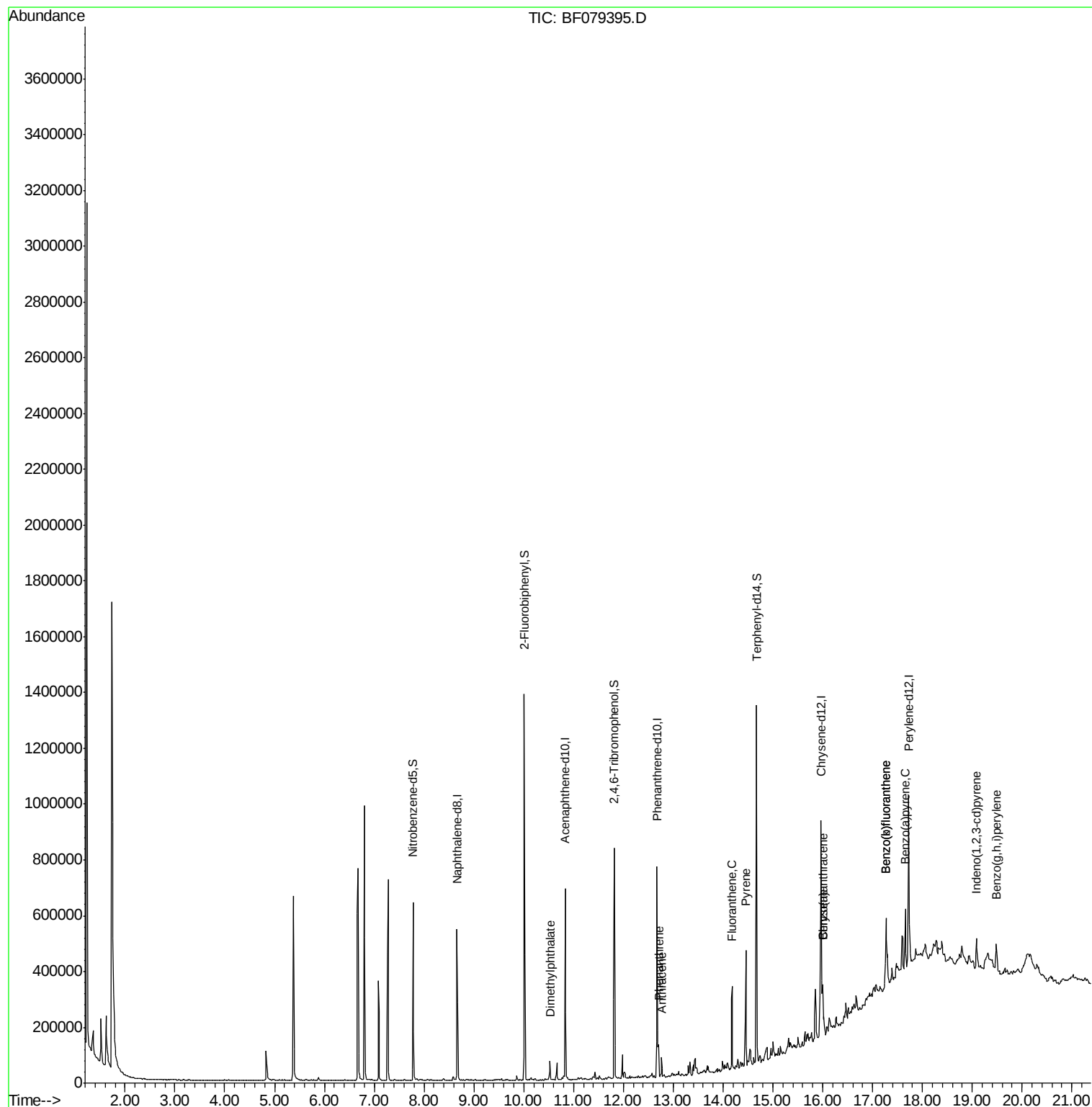
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.13
21) Naphthalene-d8	8.66	136	291769	20.00	ng	-0.05
38) Acenaphthene-d10	10.83	164	145749	20.00	ng	-0.05
63) Phenanthrene-d10	12.67	188	286698	20.00	ng	-0.05
75) Chrysene-d12	15.97	240	301922	20.00	ng	-0.06
86) Perylene-d12	17.73	264	311969	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.78	82	205265	40.43	ng	-0.05
41) 2,4,6-Tribromophenol	11.82	330	111782	70.89	ng	-0.05
44) 2-Fluorobiphenyl	10.01	172	451882	43.20	ng	-0.05
78) Terphenyl-d14	14.67	244	557708	44.22	ng	-0.05
Target Compounds						
49) Dimethylphthalate	10.52	163	30035	2.81	ng	Qvalue 100
70) Phenanthrene	12.71	178	66255	4.13	ng	97
71) Anthracene	12.77	178	32493	2.07	ng	97
74) Fluoranthene	14.18	202	170827	10.22	ng	94
77) Pyrene	14.46	202	179342	10.31	ng	98
80) Benzo(a)anthracene	16.00	228	89199	5.40	ng	94
82) Chrysene	16.00	228	88592	5.57	ng	98
85) Indeno(1,2,3-cd)pyrene	19.09	276	74870	3.70	ng	98
87) Benzo(b)fluoranthene	17.27	252	193780	11.35	ng	98
88) Benzo(k)fluoranthene	17.27	252	193780	11.72	ng	# 95
89) Benzo(a)pyrene	17.66	252	102313	6.51	ng	# 95
91) Benzo(g,h,i)perylene	19.49	276	76174	4.55	ng	# 95

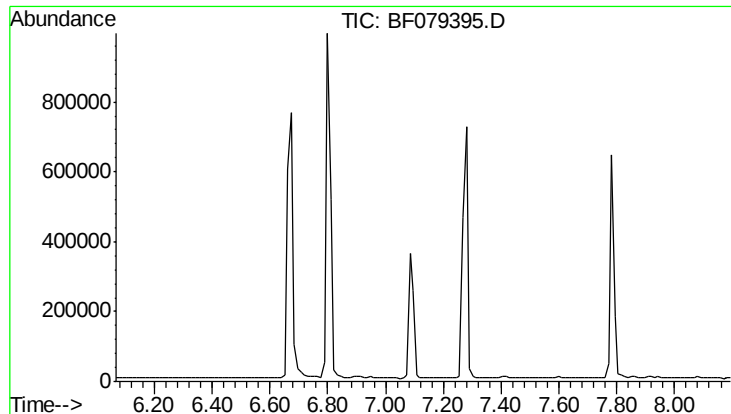
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 7.13 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Instrument :

BNA_F

ClientSampleId :

WC051915-SOIL

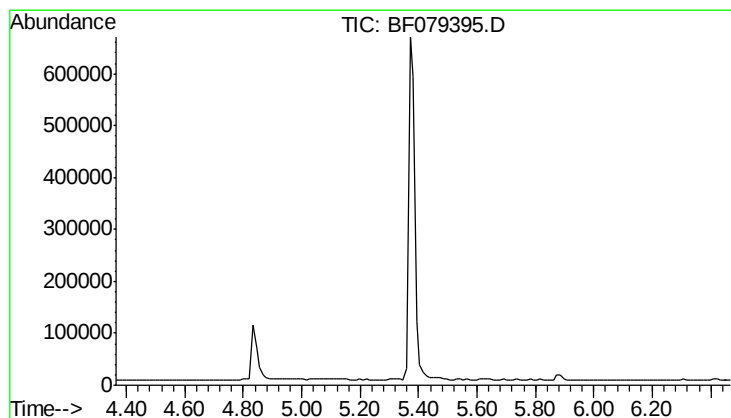
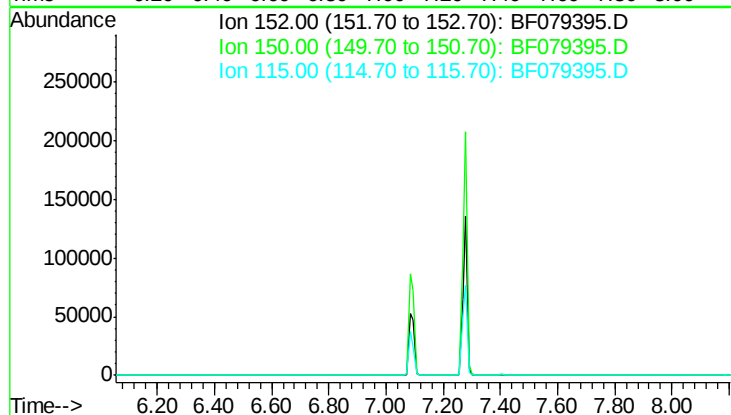
Tgt Ion: 152

Sig Exp Ratio

152 100

150 154.8

115 61.7



#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.42 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

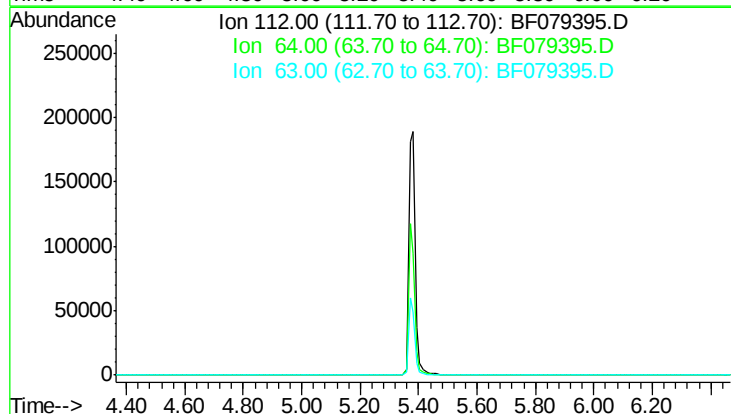
Tgt Ion: 112

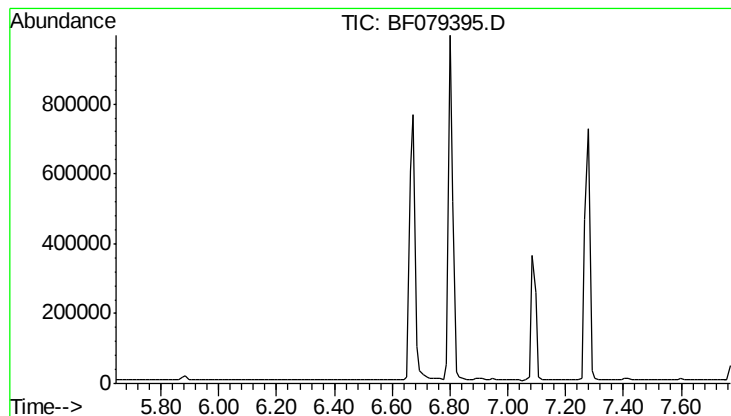
Sig Exp Ratio

112 100

64 55.2

63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.71 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Instrument :

BNA_F

ClientSampleId :

WC051915-SOIL

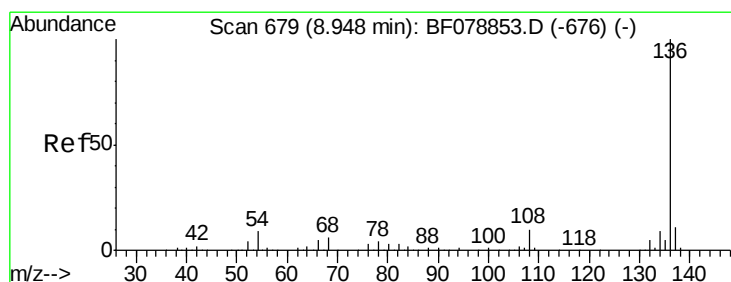
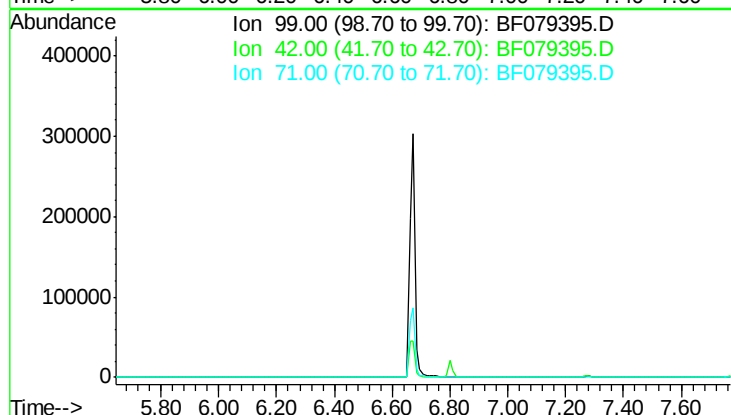
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.66 min Scan# 654

Delta R.T. -0.05 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Tgt Ion:136 Resp: 291769

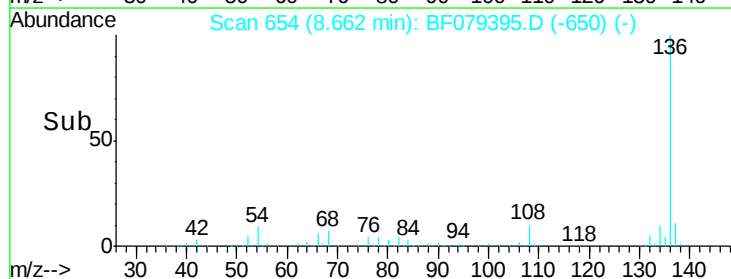
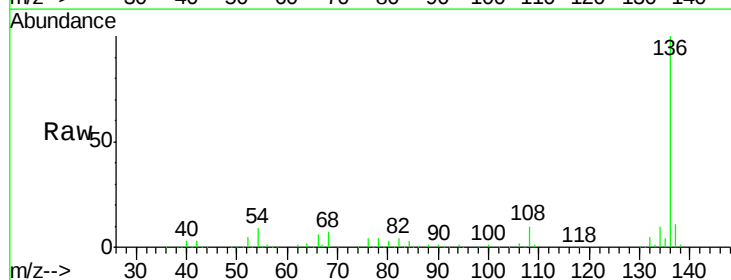
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.2 6.9 10.3

68 6.8 4.9 7.3

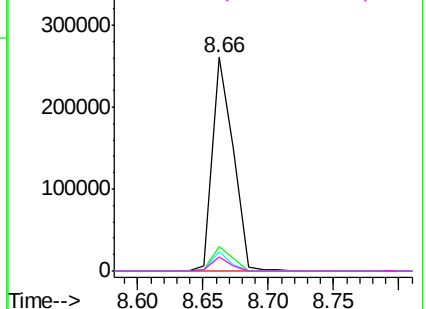


Abundance Ion 136.00 (135.70 to 136.70): E

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

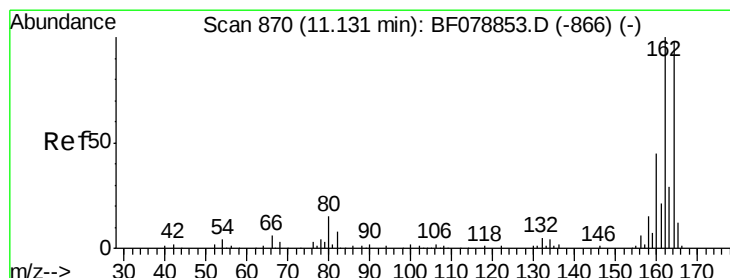
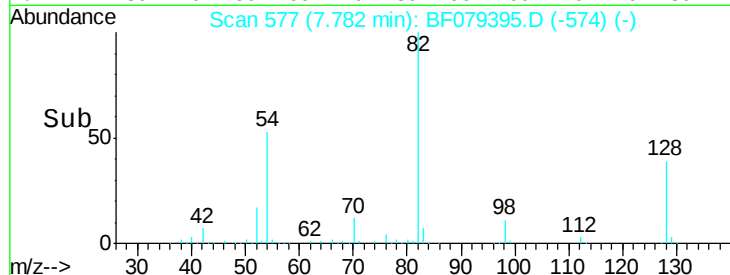
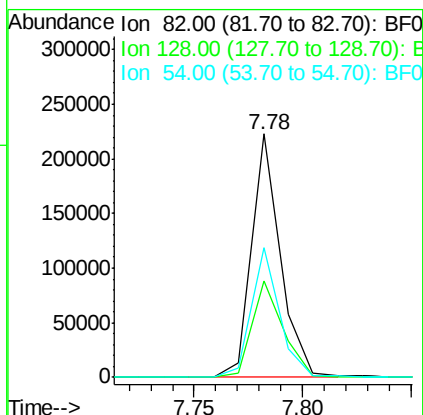
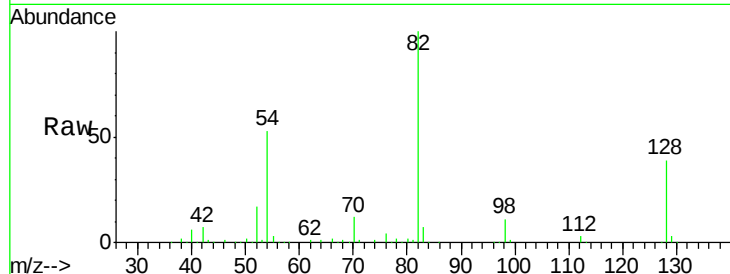




#23
 Nitrobenzene-d5
 Concen: 40.43 ng
 RT: 7.78 min Scan# 577
 Delta R.T. -0.05 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

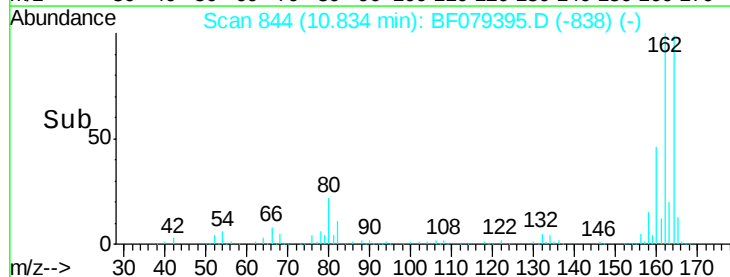
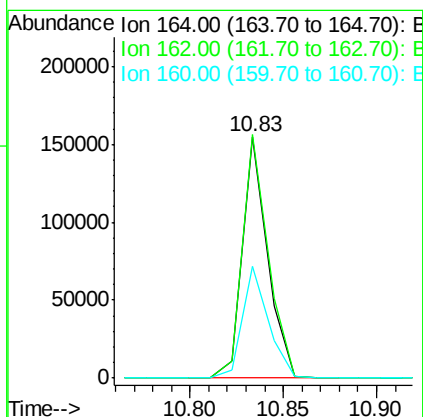
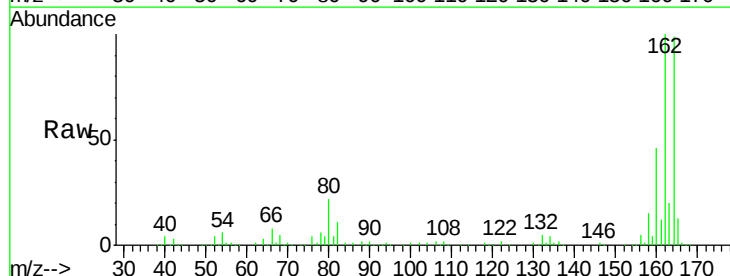
Instrument :
 BNA_F
 ClientSampleId :
 WC051915-SOIL

Tgt Ion: 82 Resp: 205265
 Ion Ratio Lower Upper
 82 100
 128 39.5 29.7 44.5
 54 53.0 46.2 69.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.83 min Scan# 844
 Delta R.T. -0.05 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Tgt Ion: 164 Resp: 145749
 Ion Ratio Lower Upper
 164 100
 162 101.0 81.4 122.0
 160 46.3 36.6 54.8

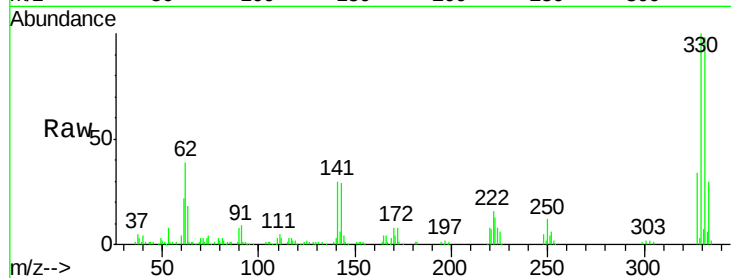




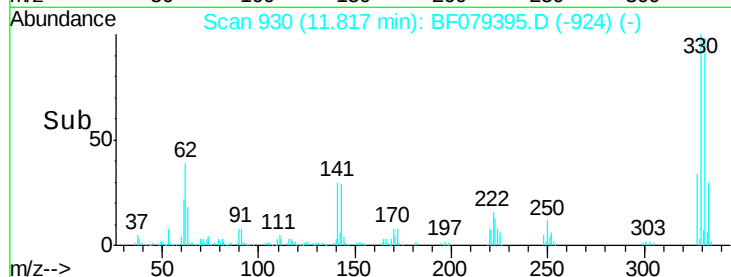
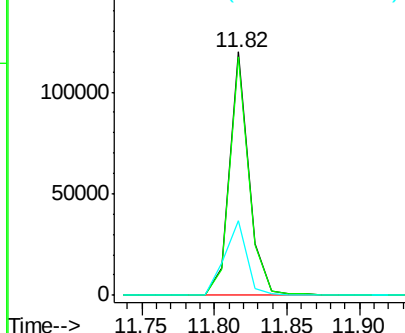
#41
 2,4,6-Tribromophenol
 Concen: 70.89 ng
 RT: 11.82 min Scan# 930
 Delta R.T. -0.05 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Instrument :
 BNA_F
 ClientSampleId :
 WC051915-SOIL

Tgt Ion:330 Resp: 111782
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.9 115.3
 141 34.9 27.8 41.8

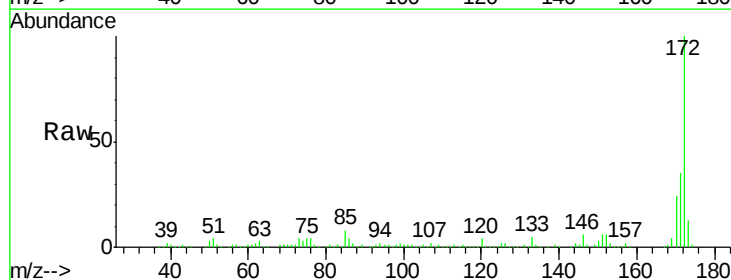


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

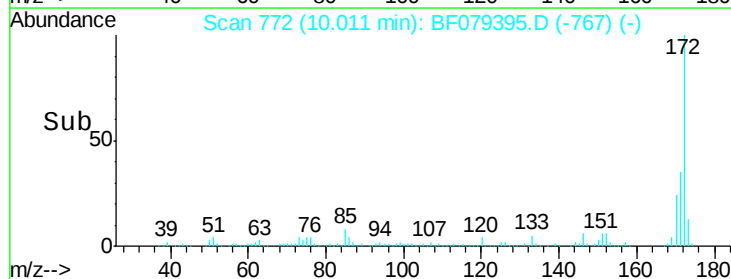
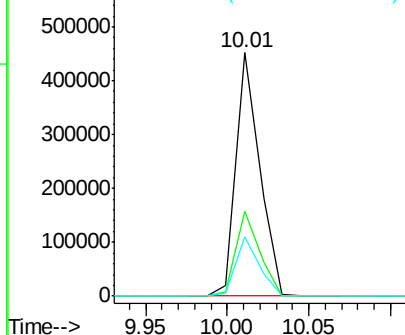


#44
 2-Fluorobiphenyl
 Concen: 43.20 ng
 RT: 10.01 min Scan# 772
 Delta R.T. -0.05 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Tgt Ion:172 Resp: 451882
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.3 42.5
 170 24.2 19.4 29.2



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: 2.81 ng

RT: 10.52 min Scan# 817

Delta R.T. -0.05 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Instrument :

BNA_F

ClientSampleId :

WC051915-SOIL

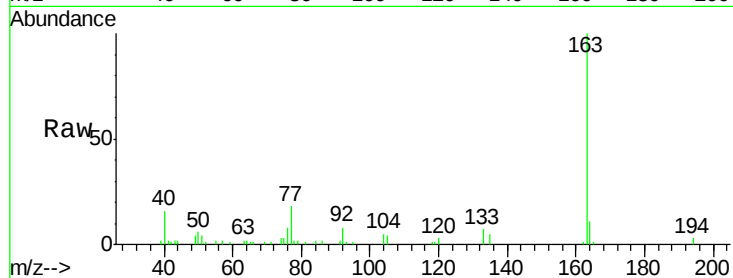
Tgt Ion:163 Resp: 30035

Ion Ratio Lower Upper

163 100

194 3.0 2.4 3.6

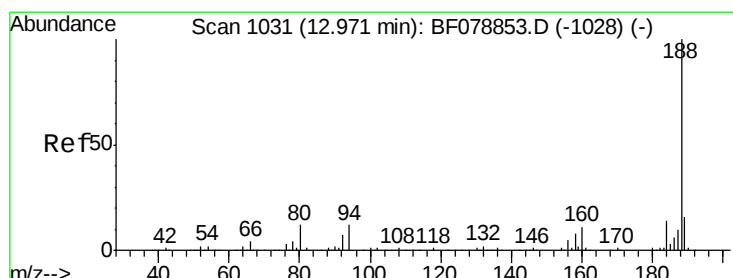
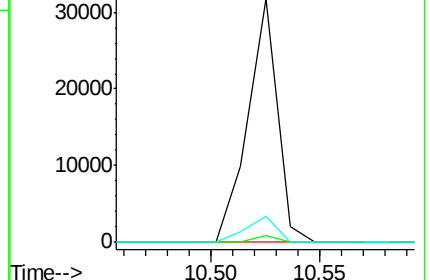
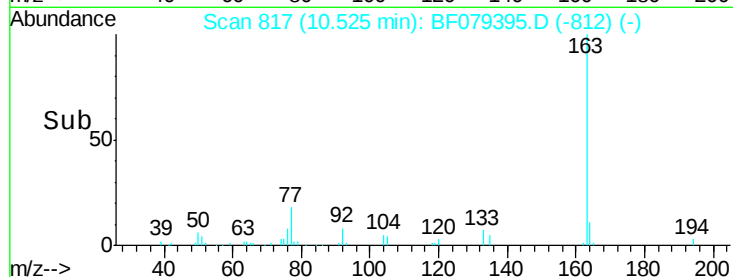
164 10.8 8.6 12.8



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: 12.67 min Scan# 1005

Delta R.T. -0.05 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

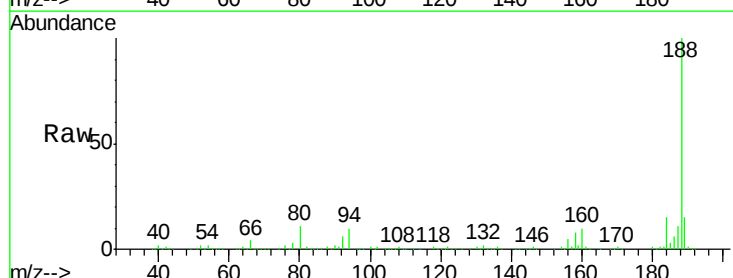
Tgt Ion:188 Resp: 286698

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.0

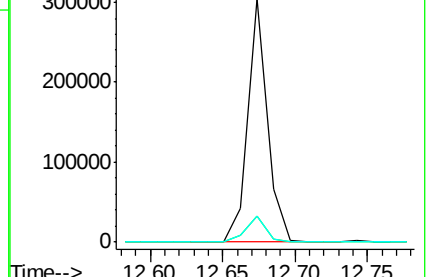
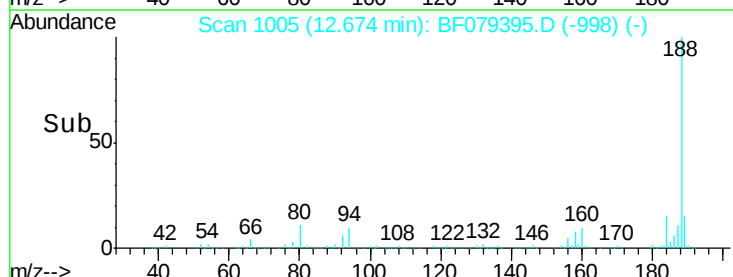
80 10.8 9.8 14.6

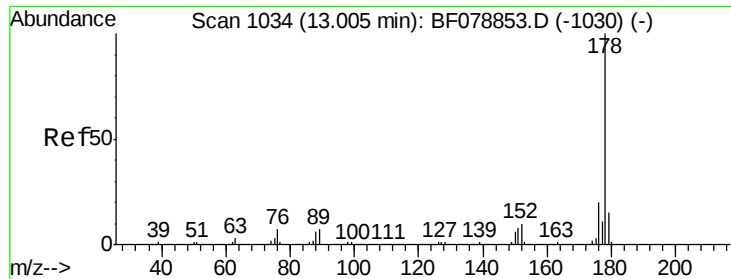


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

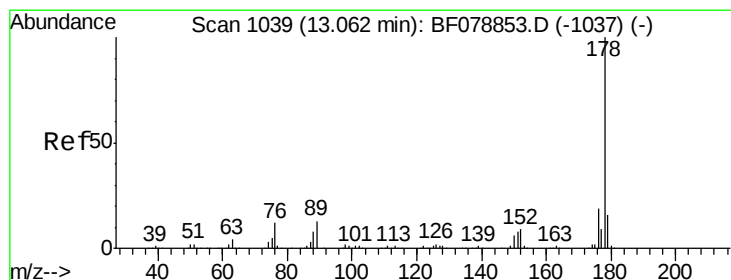
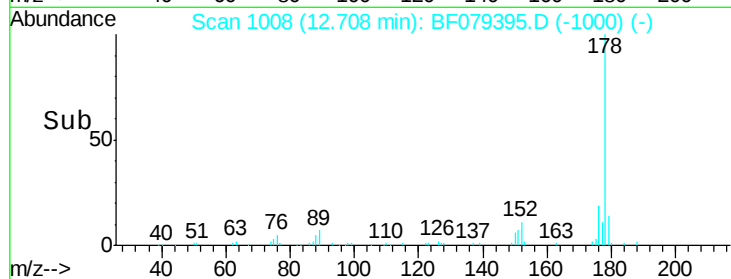
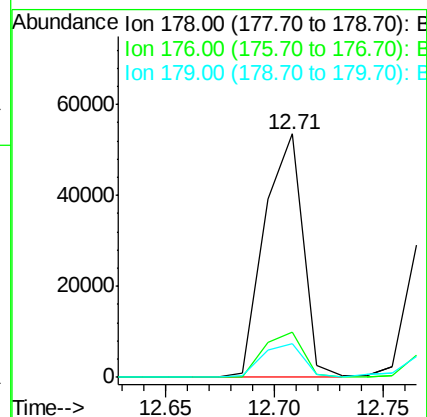
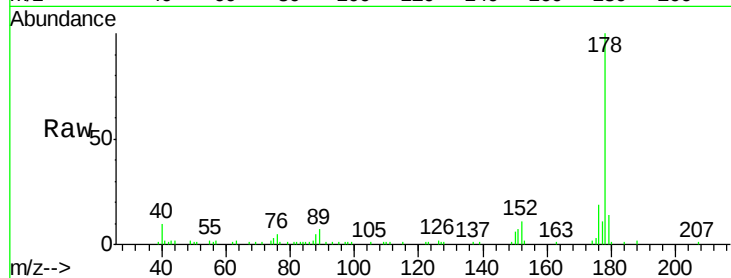




#70
Phenanthrene
Concen: 4.13 ng
RT: 12.71 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

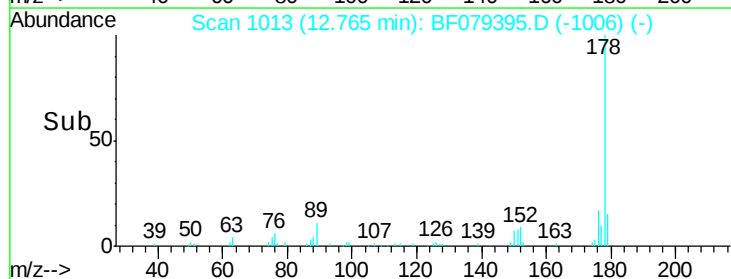
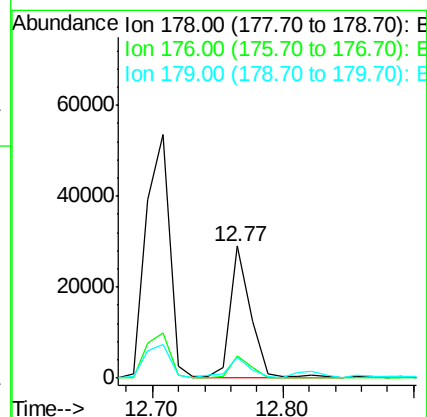
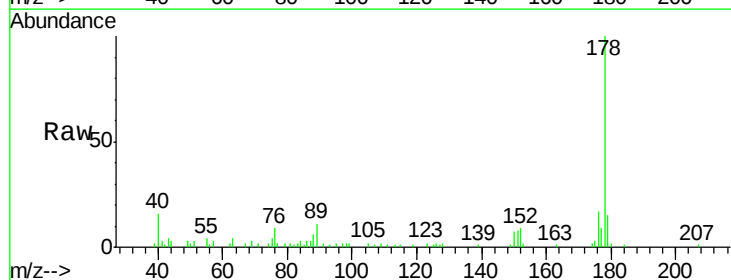
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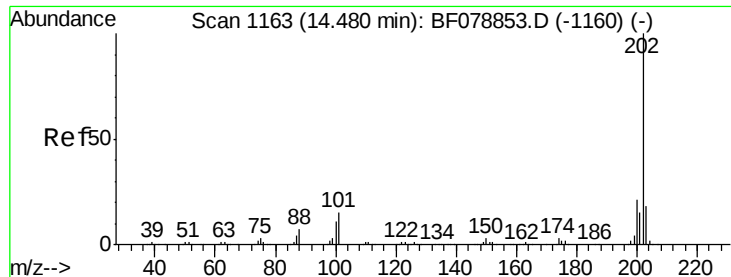
Tgt Ion:178 Resp: 66255
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.1 12.2 18.4



#71
Anthracene
Concen: 2.07 ng
RT: 12.77 min Scan# 1013
Delta R.T. -0.05 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Tgt Ion:178 Resp: 32493
Ion Ratio Lower Upper
178 100
176 16.9 15.3 22.9
179 15.5 12.6 19.0

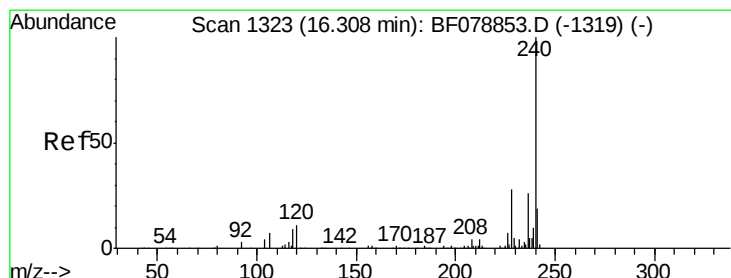
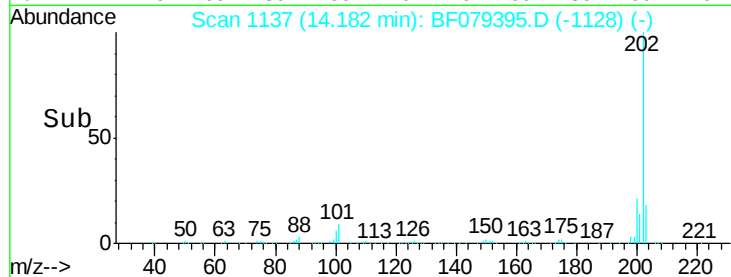
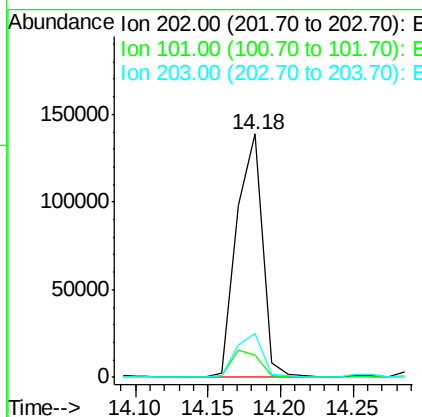
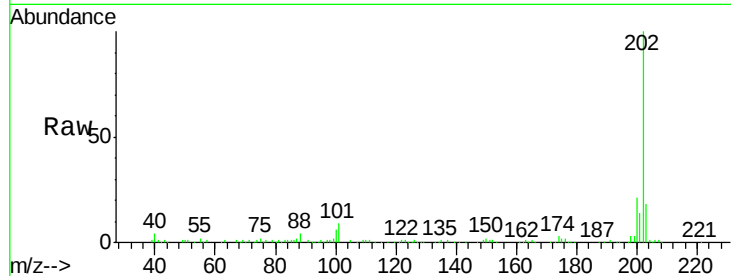




#74
 Fluoranthene
 Concen: 10.22 ng
 RT: 14.18 min Scan# 1137
 Delta R.T. -0.05 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

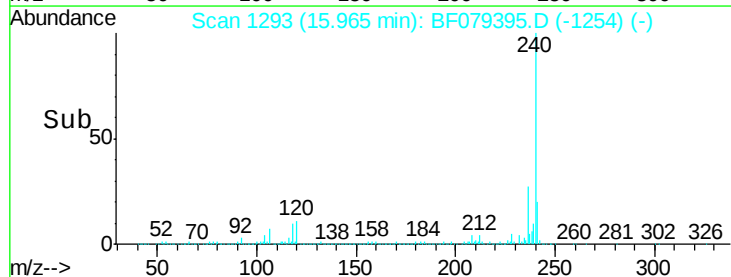
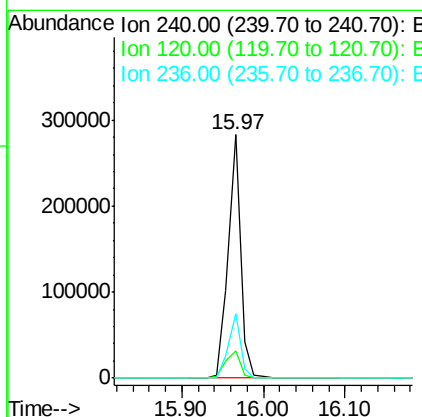
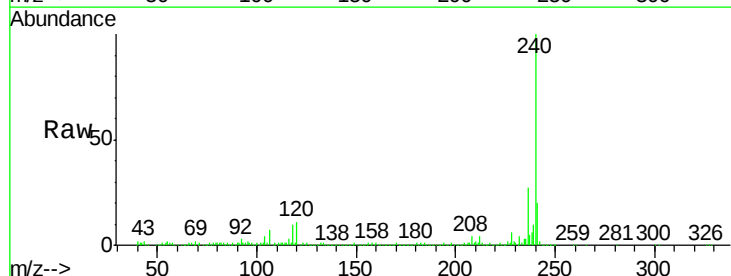
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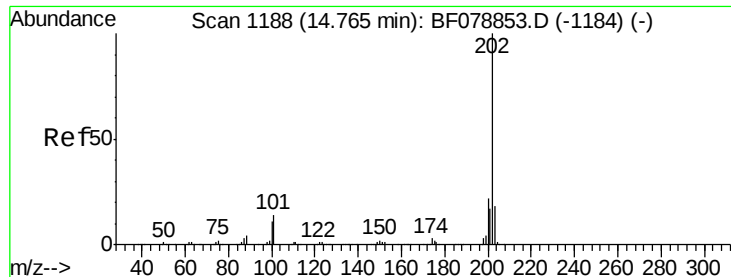
Tgt Ion:	202	Resp:	170827
Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	34.7
203	18.3	0.0	37.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.97 min Scan# 1293
 Delta R.T. -0.06 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Tgt Ion:	240	Resp:	301922
Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.6	12.8
236	26.6	21.0	31.6





#77

Pyrene

Concen: 10.31 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.05 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Instrument :

BNA_F

ClientSampleId :

WC051915-SOIL

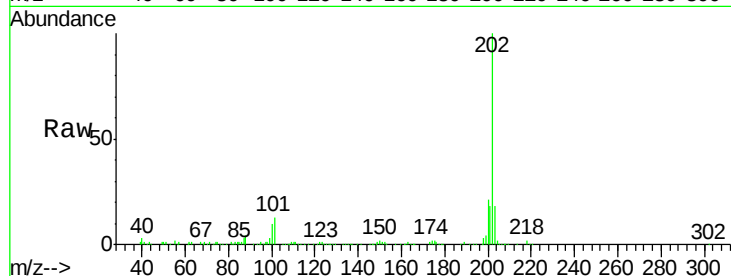
Tgt Ion:202 Resp: 179342

Ion Ratio Lower Upper

202 100

200 20.6 17.5 26.3

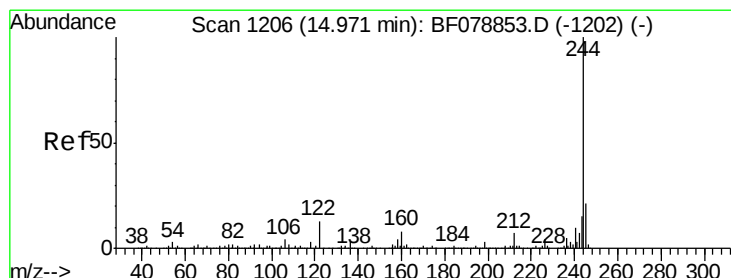
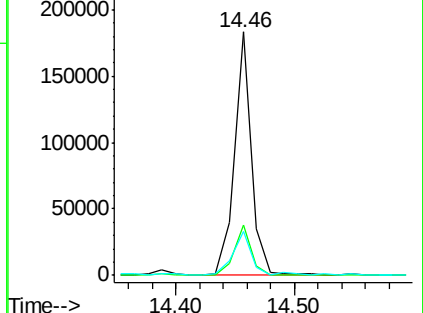
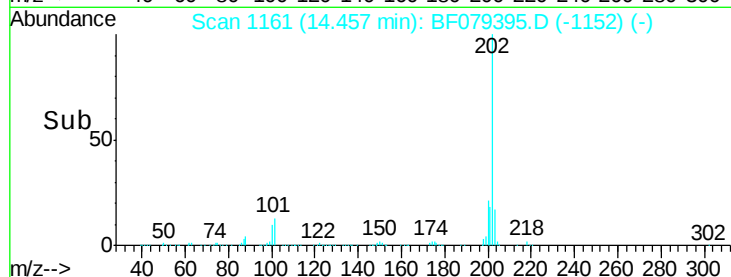
203 18.0 14.7 22.1



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: 44.22 ng

RT: 14.67 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

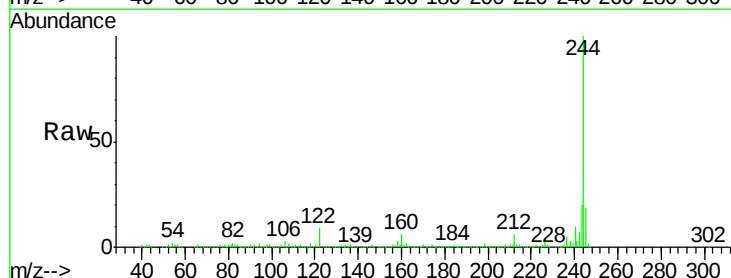
Tgt Ion:244 Resp: 557708

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

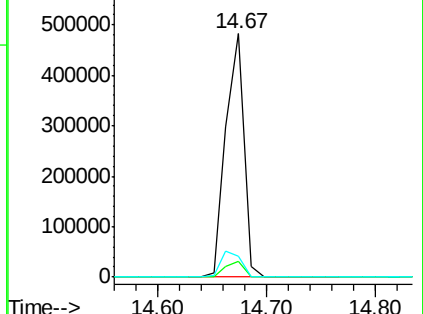
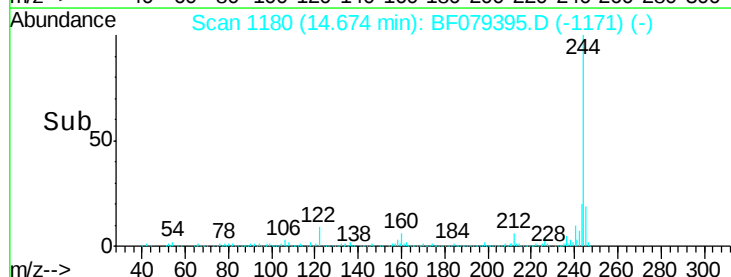
122 8.8 10.5 15.7#

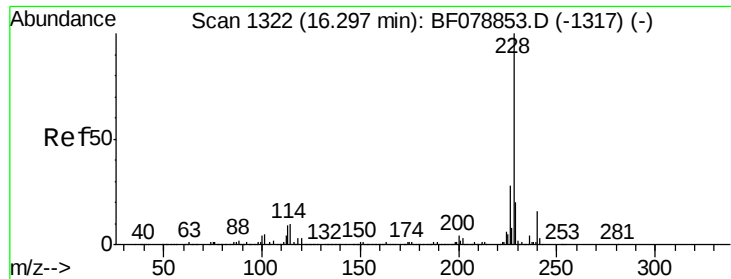


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.40 ng

RT: 16.00 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Instrument :

BNA_F

ClientSampleId :

WC051915-SOIL

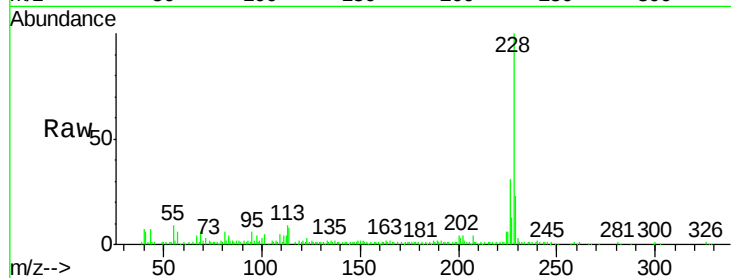
Tgt Ion:228 Resp: 89199

Ion Ratio Lower Upper

228 100

226 31.0 22.3 33.5

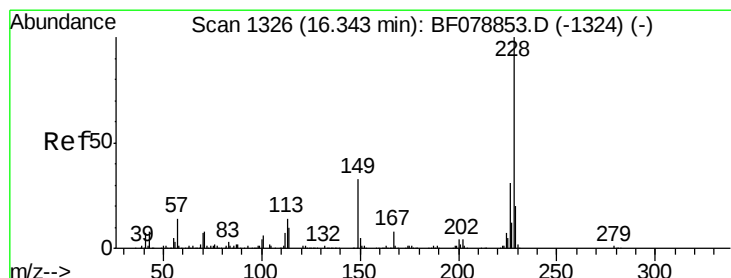
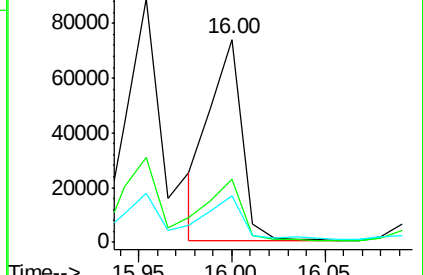
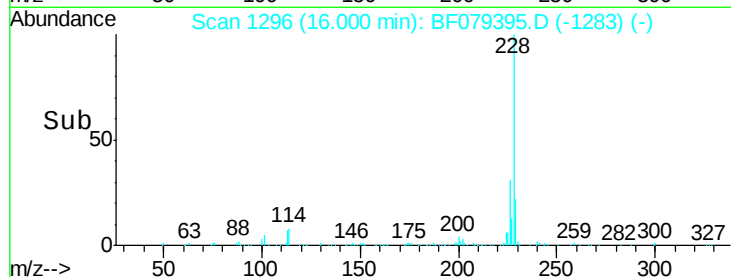
229 22.7 16.1 24.1



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: 5.57 ng

RT: 16.00 min Scan# 1296

Delta R.T. -0.06 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

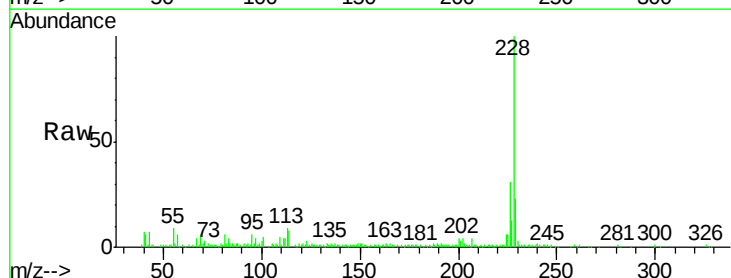
Tgt Ion:228 Resp: 88592

Ion Ratio Lower Upper

228 100

226 31.0 24.8 37.2

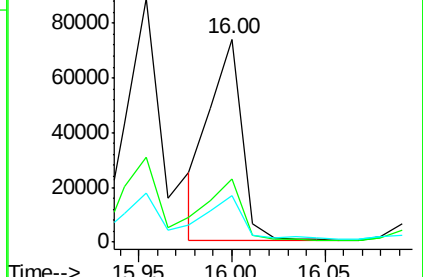
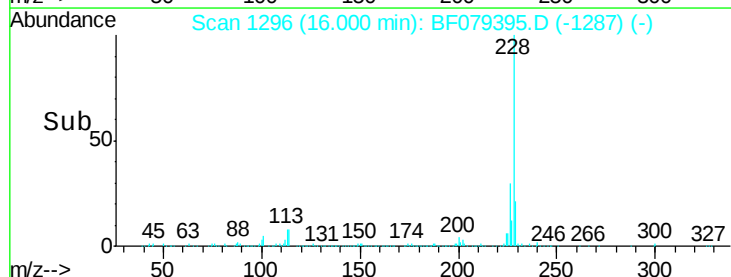
229 22.7 16.1 24.1

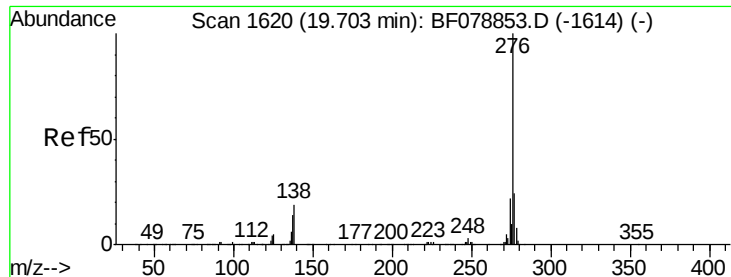


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

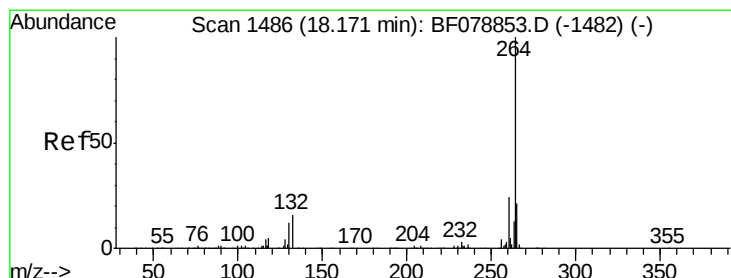
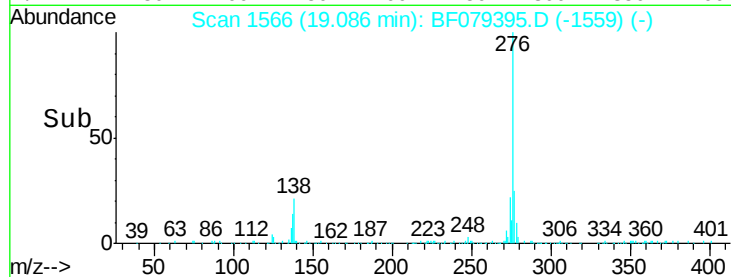
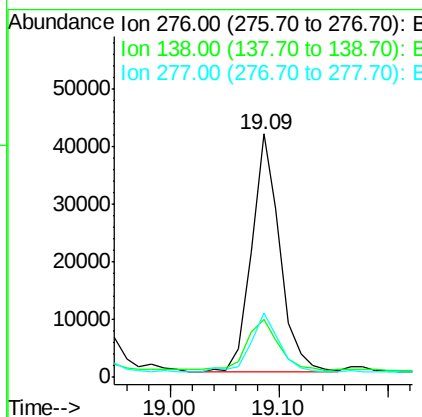
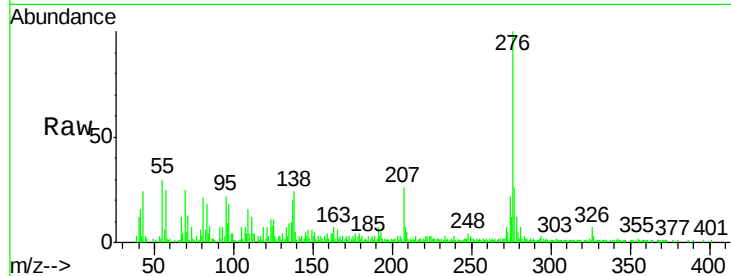




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.70 ng
 RT: 19.09 min Scan# 1566
 Delta R.T. -0.13 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

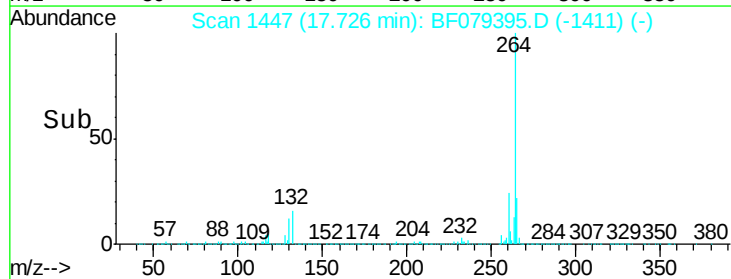
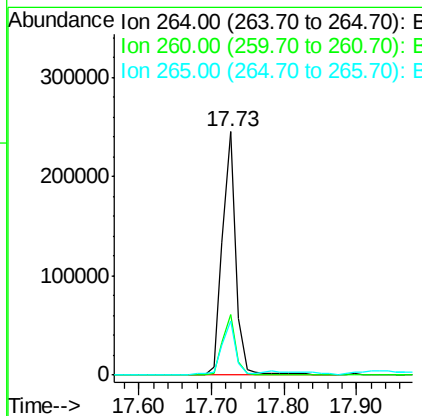
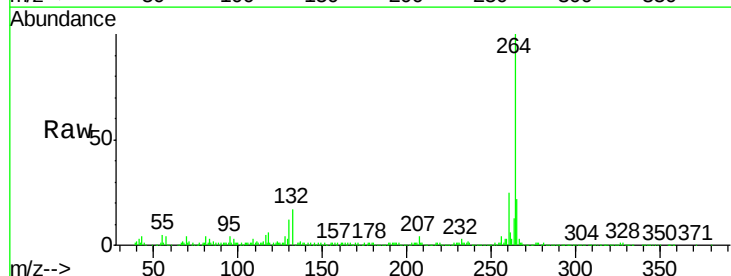
Instrument :
 BNA_F
 ClientSampleId :
 WC051915-SOIL

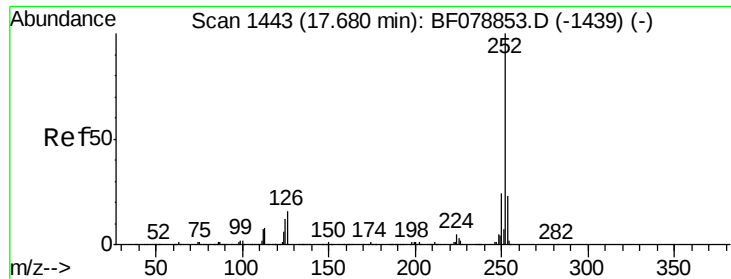
Tgt Ion: 276 Resp: 74870
 Ion Ratio Lower Upper
 276 100
 138 25.2 21.1 31.7
 277 24.4 19.9 29.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.73 min Scan# 1447
 Delta R.T. -0.09 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Tgt Ion: 264 Resp: 311969
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 22.4 17.2 25.8

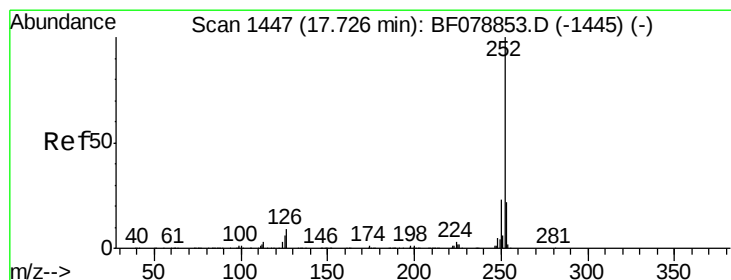
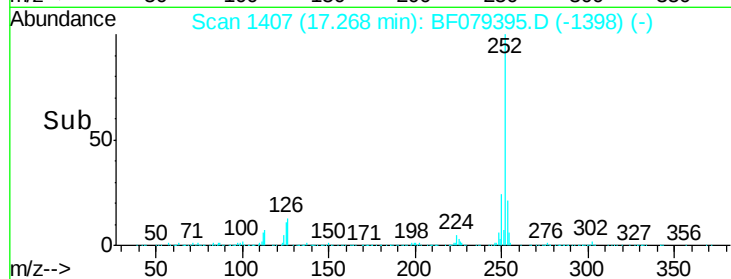
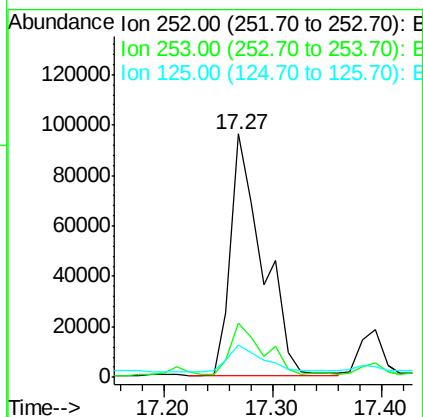
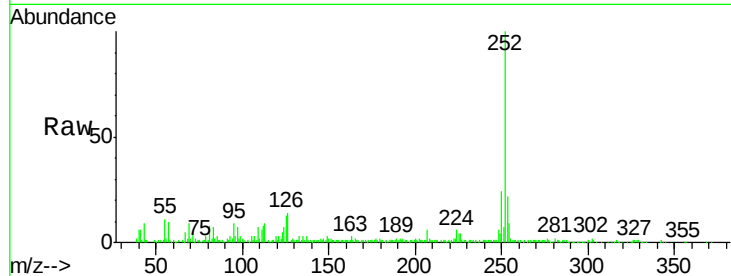




#87
Benzo(b)fluoranthene
Concen: 11.35 ng
RT: 17.27 min Scan# 1407
Delta R.T. -0.08 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

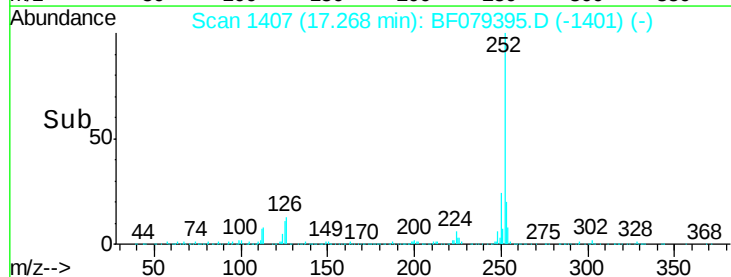
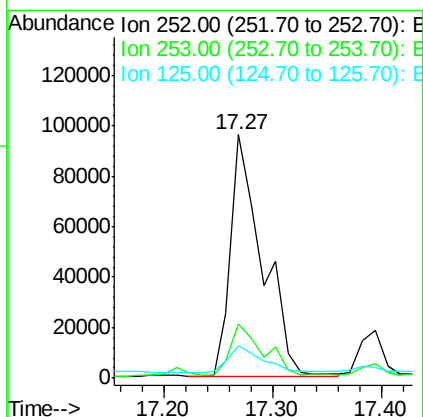
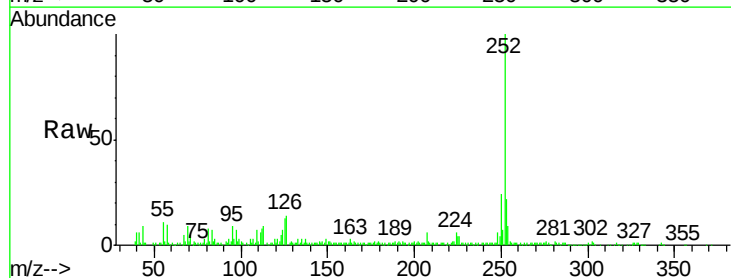
Instrument :
BNA_F
ClientSampleId :
WC051915-SOIL

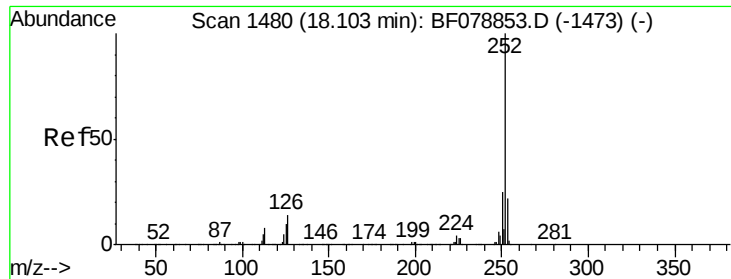
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	13.3	9.4	14.2



#88
Benzo(k)fluoranthene
Concen: 11.72 ng
RT: 17.27 min Scan# 1407
Delta R.T. -0.11 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	13.3	6.1	9.1#





#89

Benzo(a)pyrene

Concen: 6.51 ng

RT: 17.66 min Scan# 1441

Delta R.T. -0.09 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Instrument :

BNA_F

ClientSampleId :

WC051915-SOIL

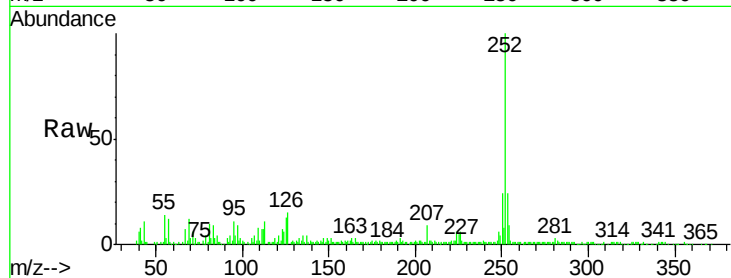
Tgt Ion:252 Resp: 102313

Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

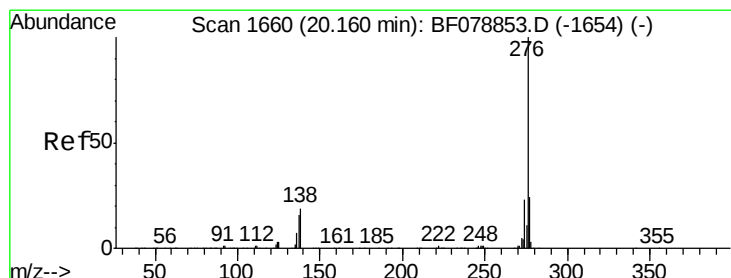
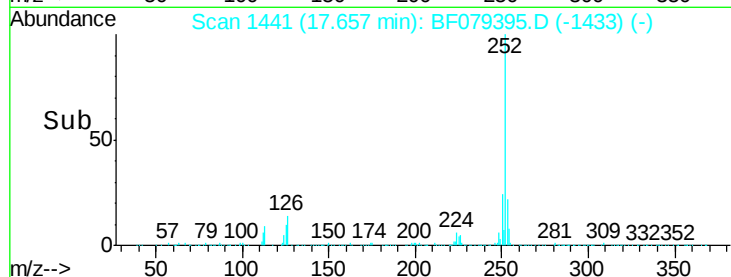
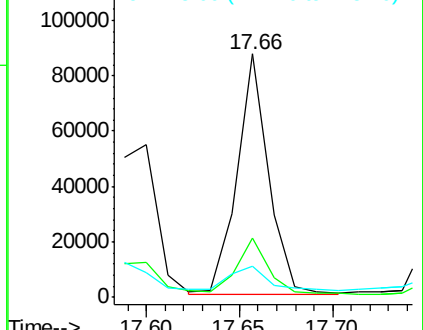
125 12.8 8.2 12.2#



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: 4.55 ng

RT: 19.49 min Scan# 1601

Delta R.T. -0.14 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

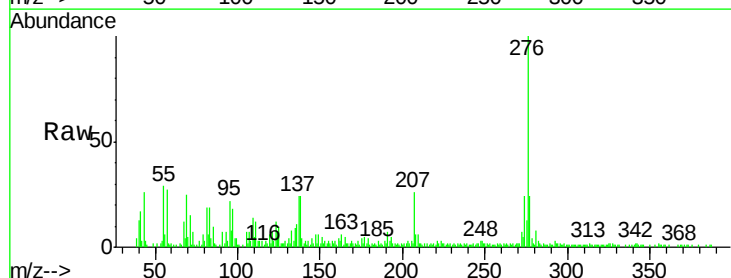
Tgt Ion:276 Resp: 76174

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 24.0 15.2 22.8#



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

