

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052215\
 Data File : BF079466.D
 Acq On : 23 May 2015 9:49
 Operator : TP/IZ
 Sample : G2319-01 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GAS-LINE-WASTE-COMP

Quant Time: May 25 07:01:35 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 06:56:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	70826	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	286570	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	136456	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	255045	20.00	ng	0.00
75) Chrysene-d12	15.92	240	256146	20.00	ng	0.01
86) Perylene-d12	17.69	264	252794	20.00	ng	0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.75	82	124819	25.03	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	76224	51.64	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	369969	37.77	ng	0.00
78) Terphenyl-d14	14.63	244	391182	36.56	ng	0.00

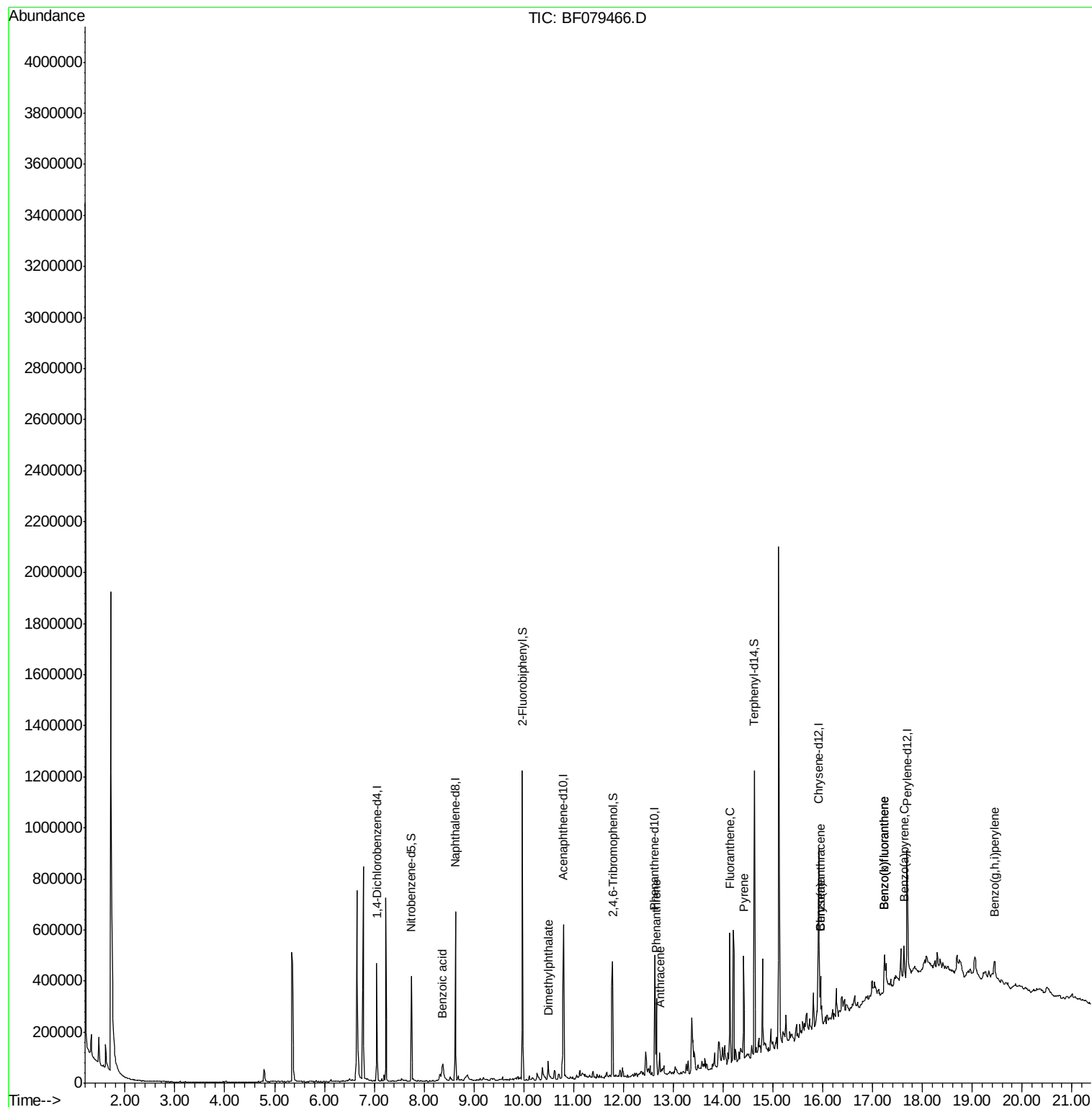
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	8.38	122	1259	6.74	ng	# 58
49) Dimethylphthalate	10.49	163	34749	3.47	ng	98
70) Phenanthrene	12.66	178	116792	8.19	ng	99
71) Anthracene	12.73	178	39645	2.83	ng	96
74) Fluoranthene	14.14	202	214705	14.44	ng	96
77) Pyrene	14.41	202	183080	12.40	ng	99
80) Benzo(a)anthracene	15.95	228	80897	5.77	ng	93
82) Chrysene	15.95	228	80751	5.99	ng	96
87) Benzo(b)fluoranthene	17.23	252	140521	10.16	ng	97
88) Benzo(k)fluoranthene	17.23	252	140521	10.49	ng	# 92
89) Benzo(a)pyrene	17.63	252	74214	5.83	ng	# 93
91) Benzo(g,h,i)perylene	19.45	276	50005	3.68	ng	# 92

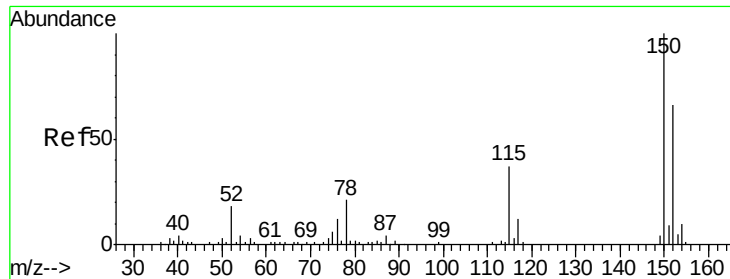
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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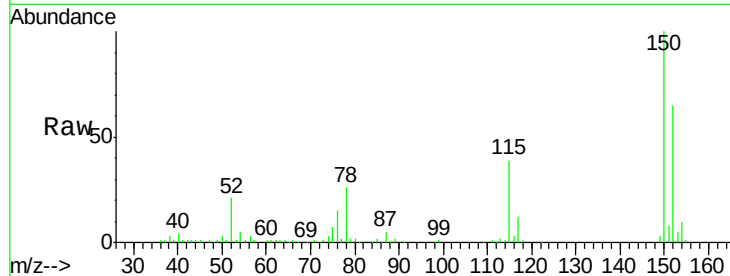




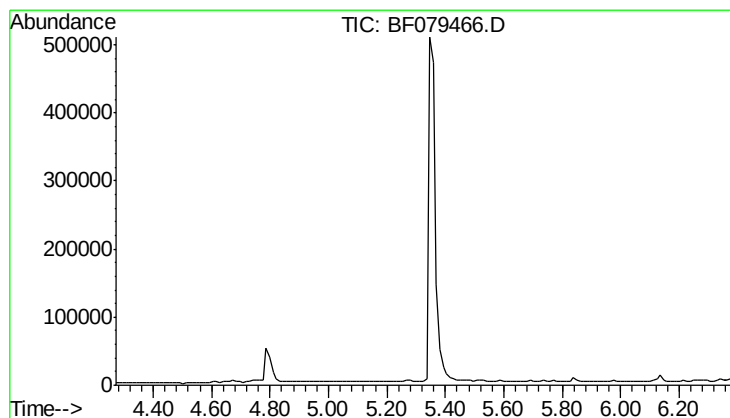
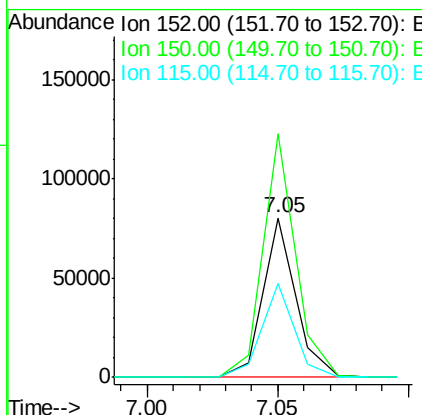
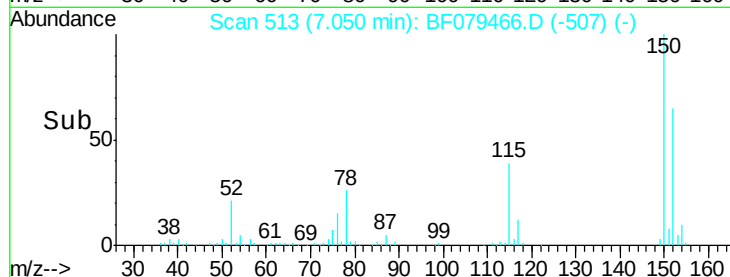
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Instrument :
 BNA_F
 ClientSampleId :
 GAS-LINE-WASTE-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.8	185.8
115	59.2	49.4	74.0

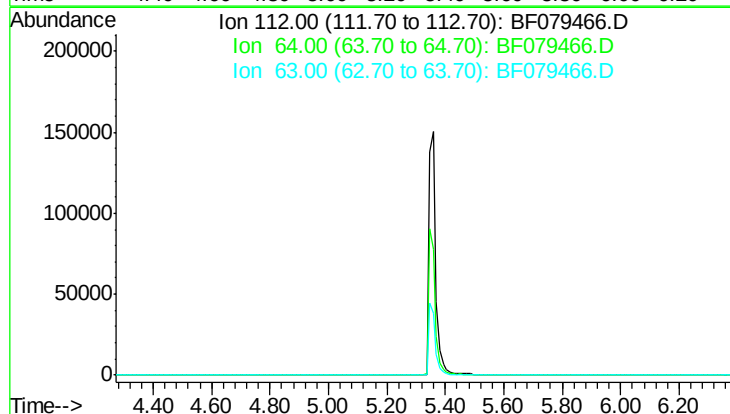


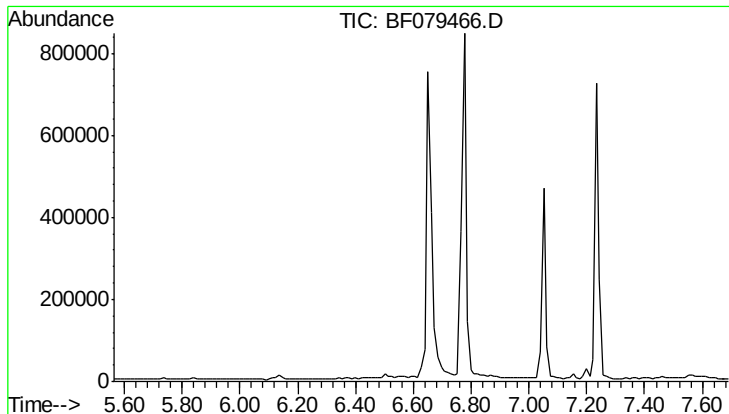
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.32 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Tgt Ion	Sig	Exp Ratio
112	100	
64	55.2	
63	28.4	





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.63 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

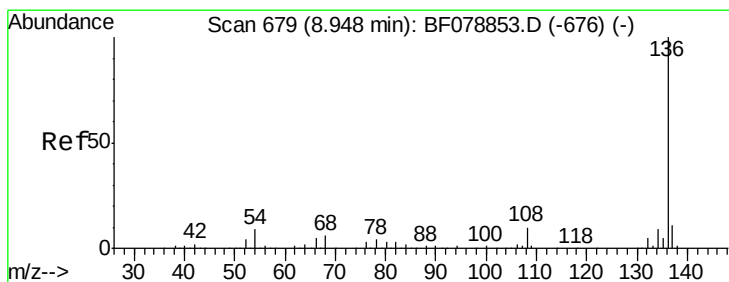
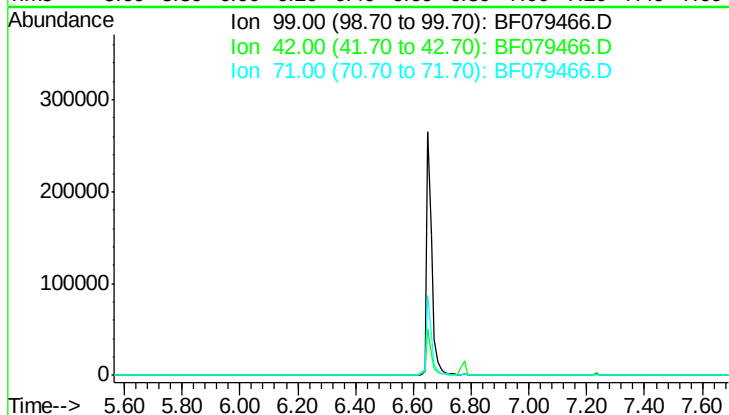
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Tgt Ion:136 Resp: 286570

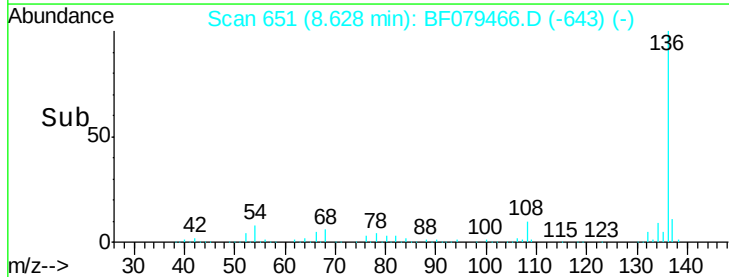
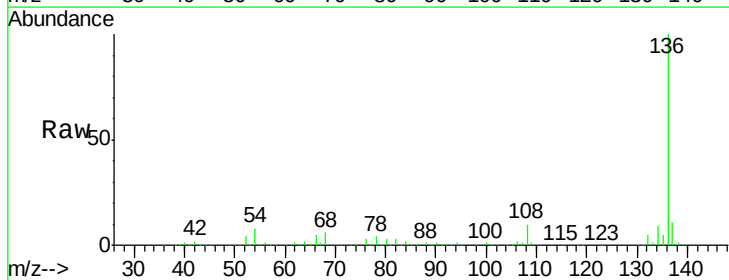
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.7 6.9 10.3

68 5.9 4.9 7.3

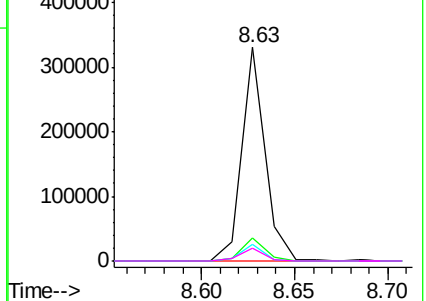


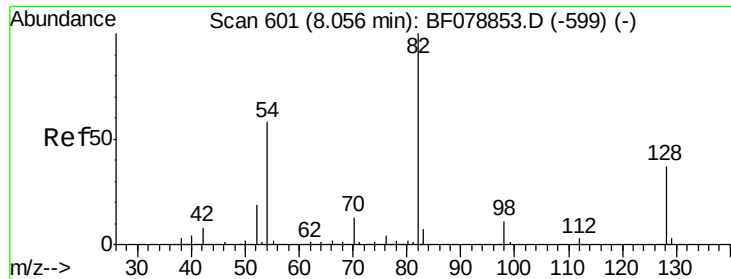
Abundance Ion 136.00 (135.70 to 136.70): E

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

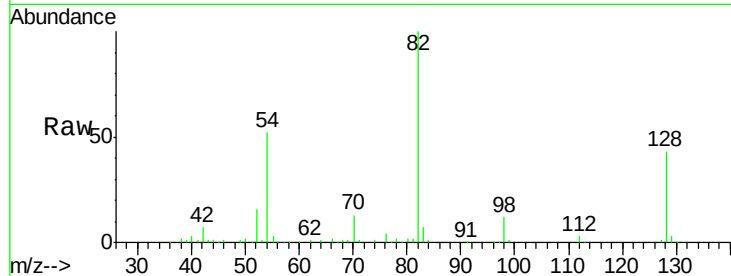




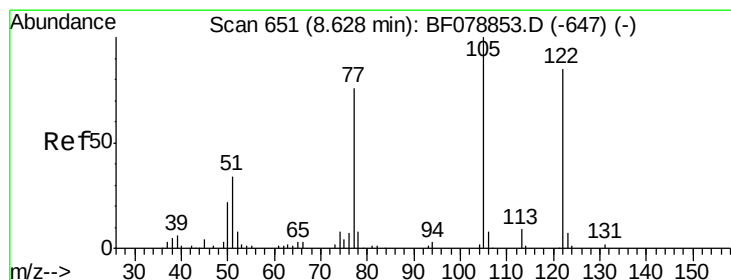
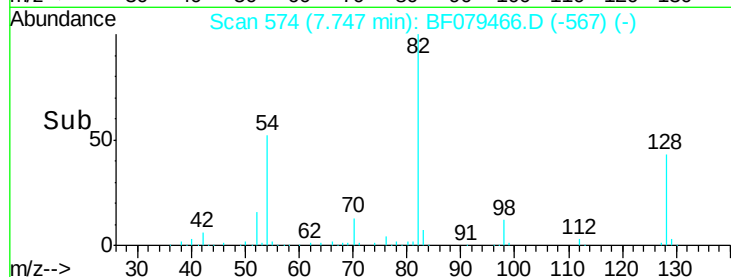
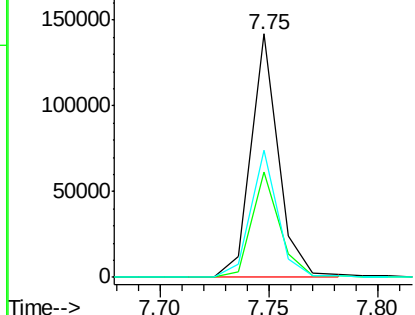
#23
 Nitrobenzene-d5
 Concen: 25.03 ng
 RT: 7.75 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Instrument :
 BNA_F
 ClientSampleId :
 GAS-LINE-WASTE-COMP

Tgt Ion: 82 Resp: 124819
 Ion Ratio Lower Upper
 82 100
 128 43.1 29.7 44.5
 54 52.1 46.2 69.4

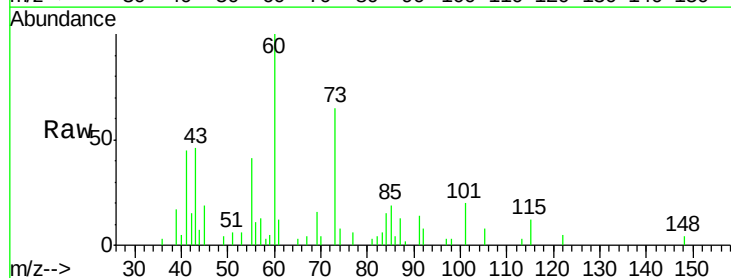


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

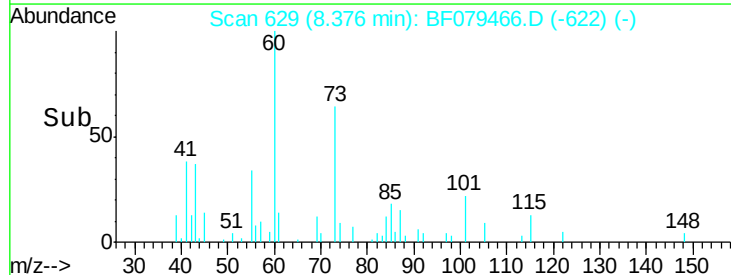
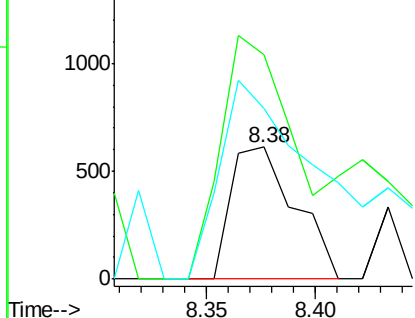


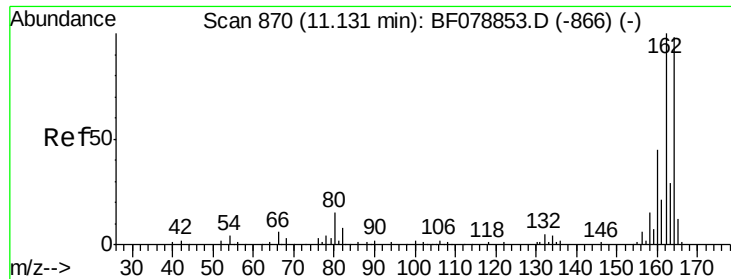
#32
 Benzoic acid
 Concen: 6.74 ng
 RT: 8.38 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Tgt Ion: 122 Resp: 1259
 Ion Ratio Lower Upper
 122 100
 105 170.5 100.7 140.7#
 77 129.5 72.0 112.0#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BF0

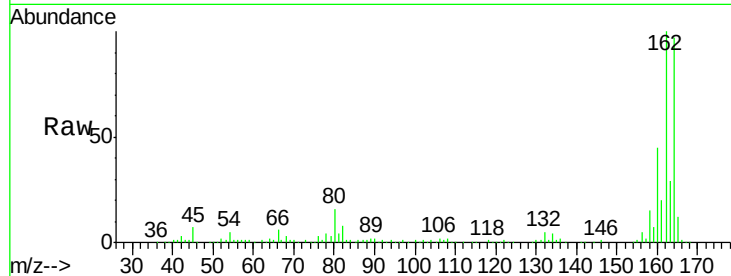




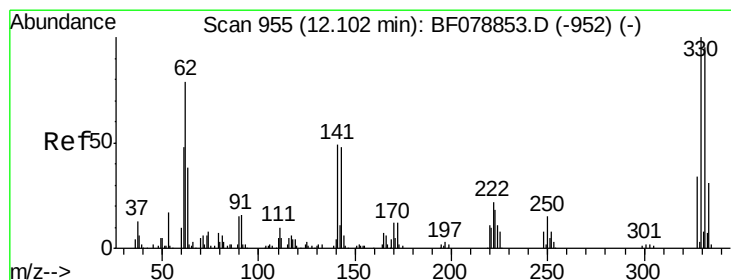
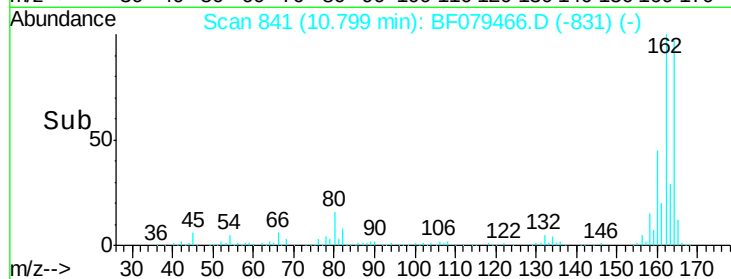
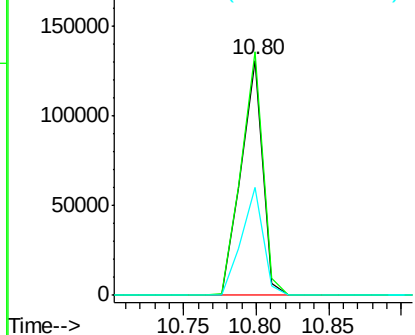
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.80 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Instrument :
 BNA_F
 ClientSampleId :
 GAS-LINE-WASTE-COMP

Tgt Ion:164 Resp: 136456
 Ion Ratio Lower Upper
 164 100
 162 103.6 81.4 122.0
 160 46.1 36.6 54.8

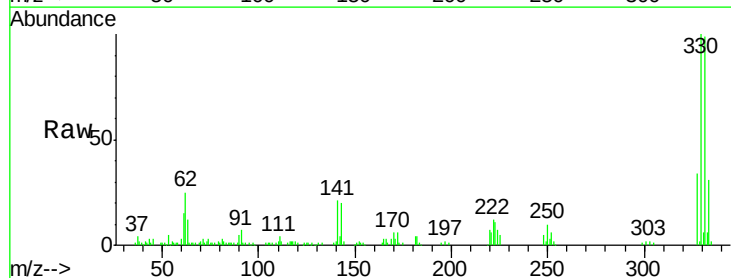


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

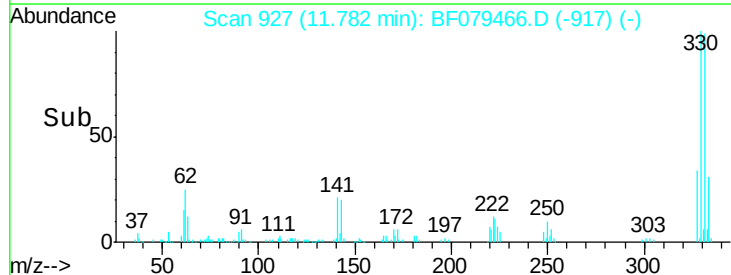
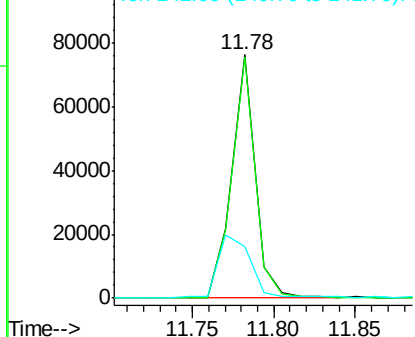


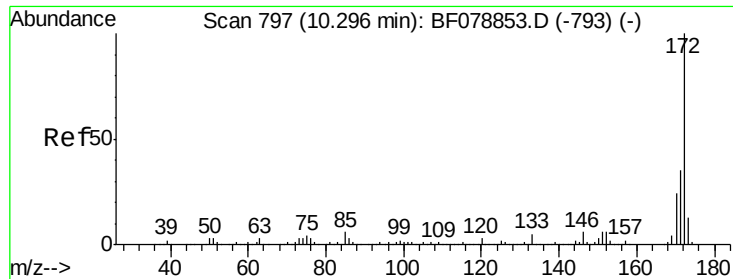
#41
 2,4,6-Tribromophenol
 Concen: 51.64 ng
 RT: 11.78 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Tgt Ion:330 Resp: 76224
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.9 115.3
 141 36.5 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

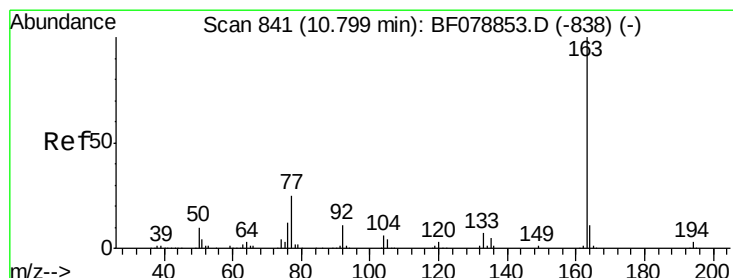
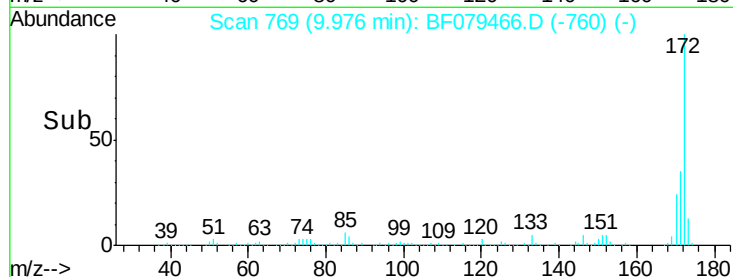
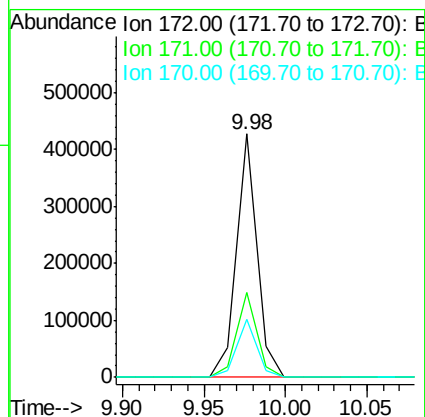
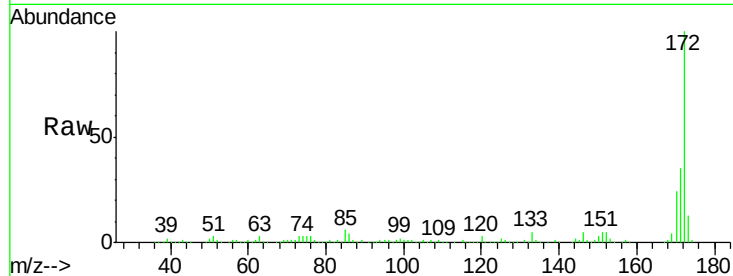




#44
2-Fluorobiphenyl
Concen: 37.77 ng
RT: 9.98 min Scan# 769
Delta R.T. -0.00 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

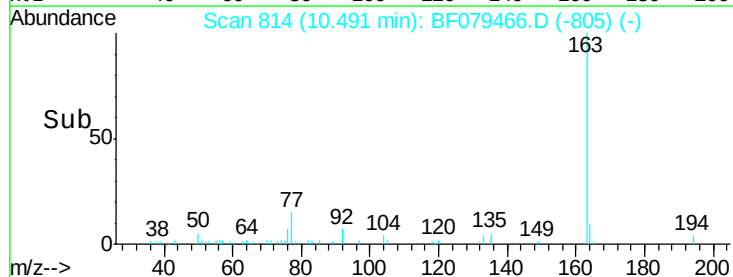
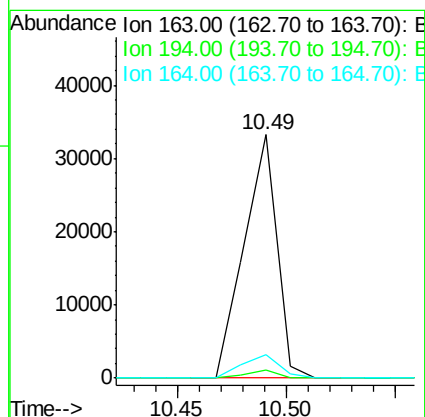
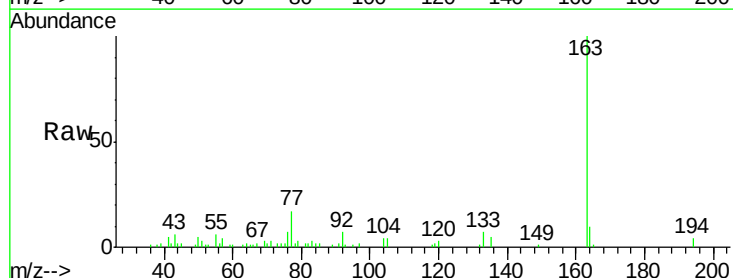
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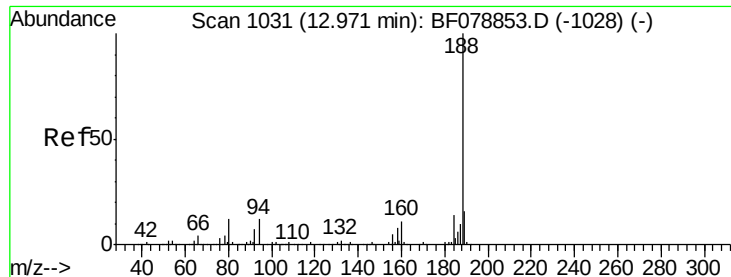
Tgt Ion:172 Resp: 369969
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 23.8 19.4 29.2



#49
Dimethylphthalate
Concen: 3.47 ng
RT: 10.49 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Tgt Ion:163 Resp: 34749
Ion Ratio Lower Upper
163 100
194 3.5 2.4 3.6
164 9.8 8.6 12.8

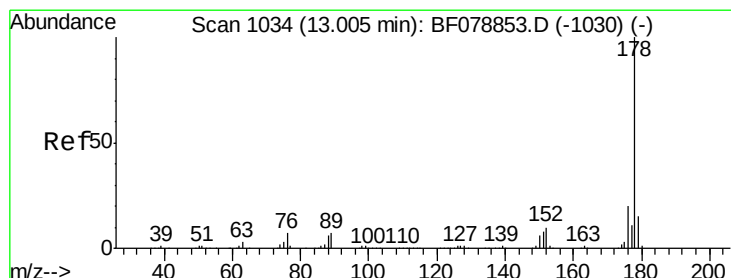
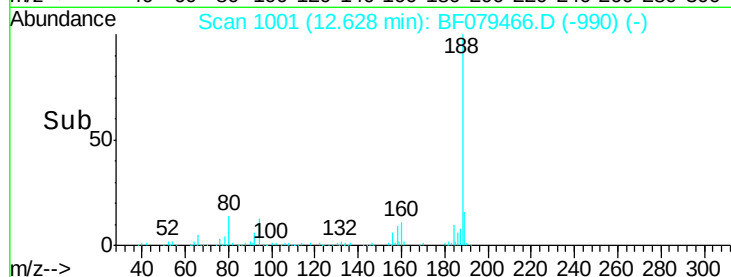
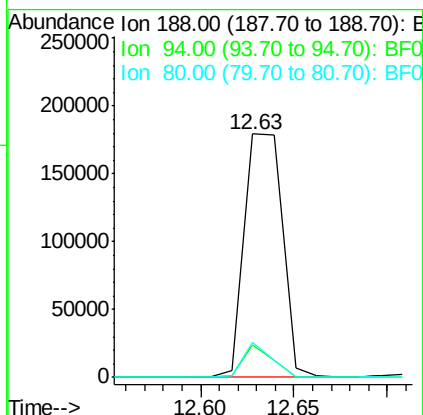
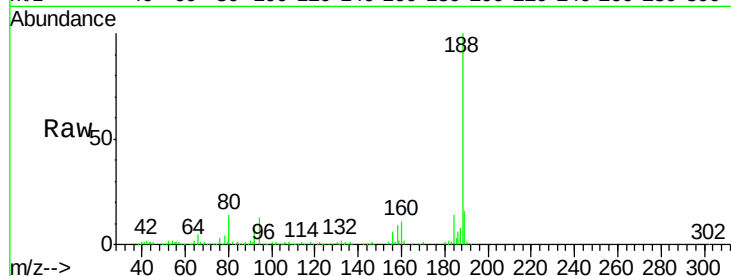




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.63 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

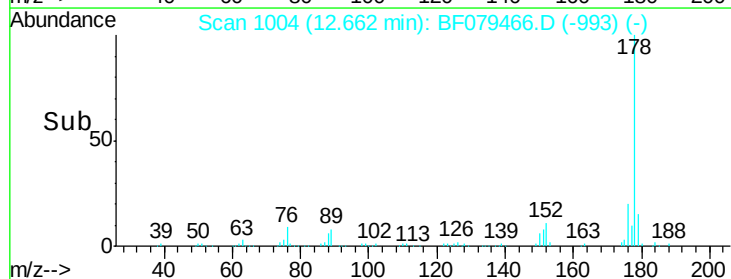
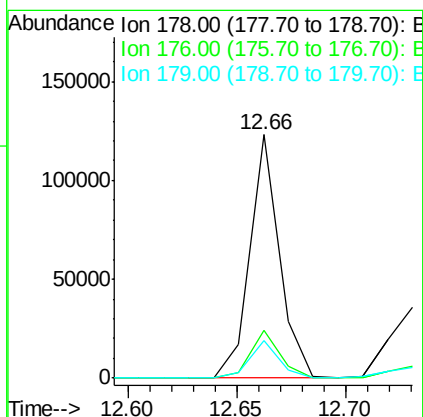
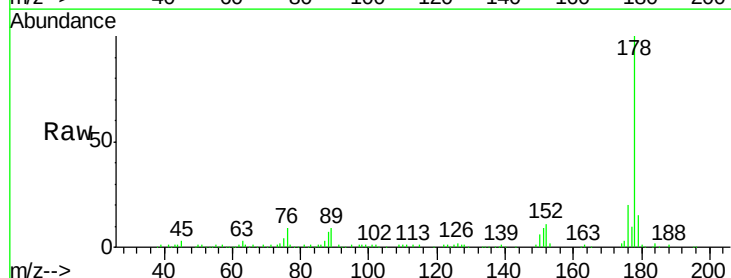
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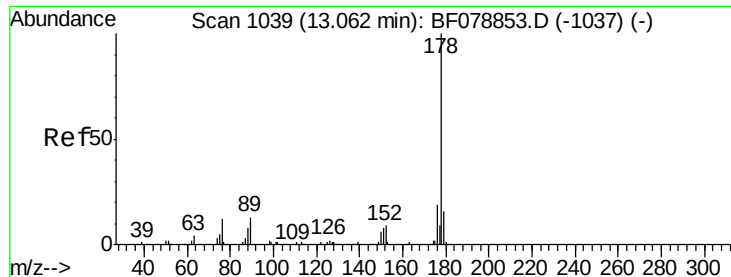
Tgt Ion:188 Resp: 255045
Ion Ratio Lower Upper
188 100
94 13.5 9.4 14.0
80 14.5 9.8 14.6



#70
Phenanthrene
Concen: 8.19 ng
RT: 12.66 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF079466.D
Acq: 23 May 2015 9:49

Tgt Ion:178 Resp: 116792
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.4 12.2 18.4

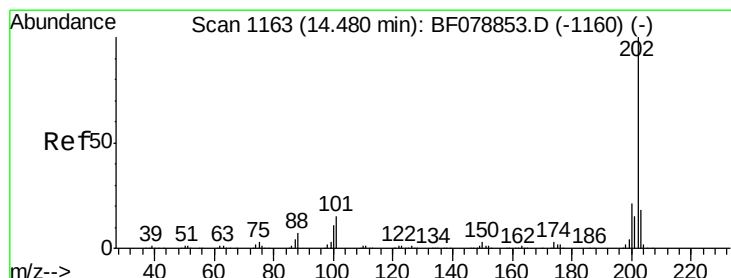
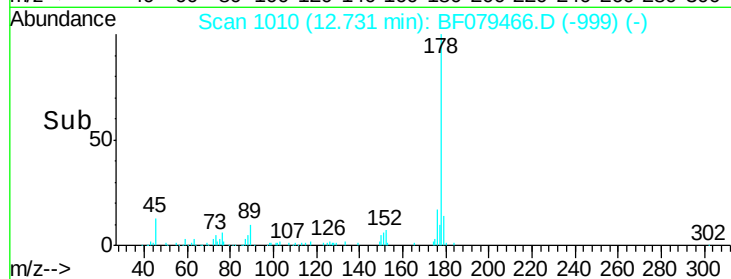
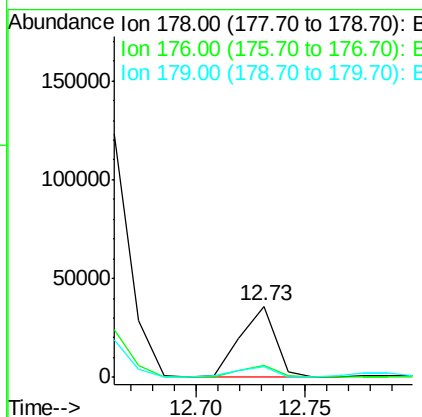
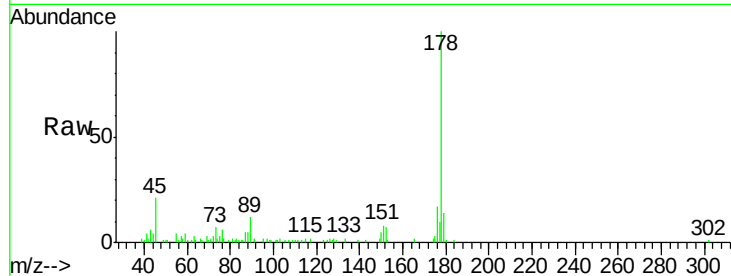




#71
 Anthracene
 Concen: 2.83 ng
 RT: 12.73 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

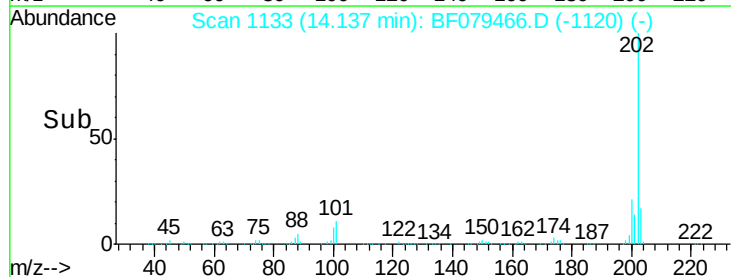
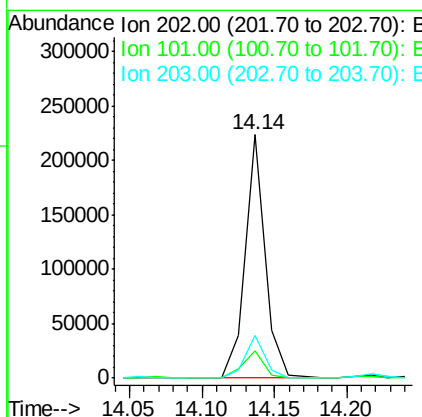
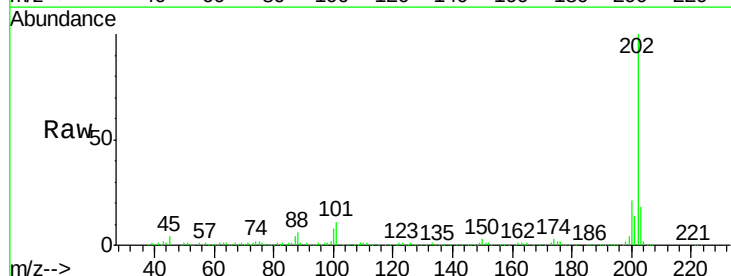
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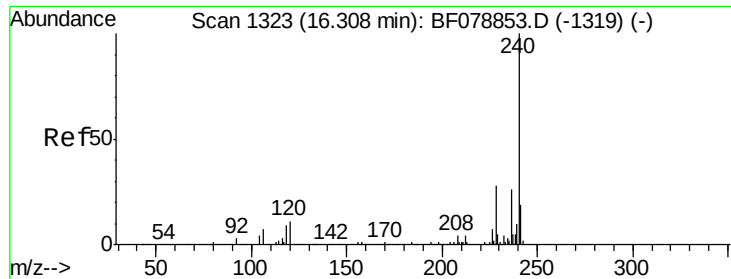
Tgt Ion:178 Resp: 39645
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.3 22.9
 179 14.4 12.6 19.0



#74
 Fluoranthene
 Concen: 14.44 ng
 RT: 14.14 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: BF079466.D
 Acq: 23 May 2015 9:49

Tgt Ion:202 Resp: 214705
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 34.7
 203 17.6 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

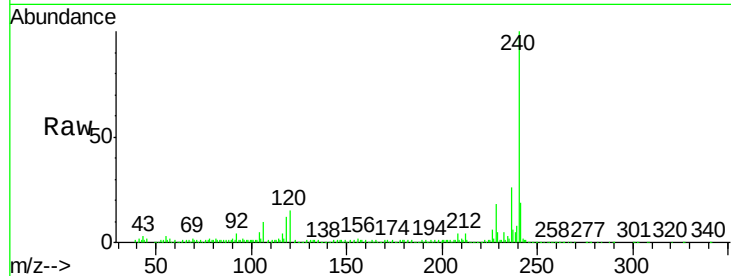
Tgt Ion:240 Resp: 256146

Ion Ratio Lower Upper

240 100

120 14.8 8.6 12.8#

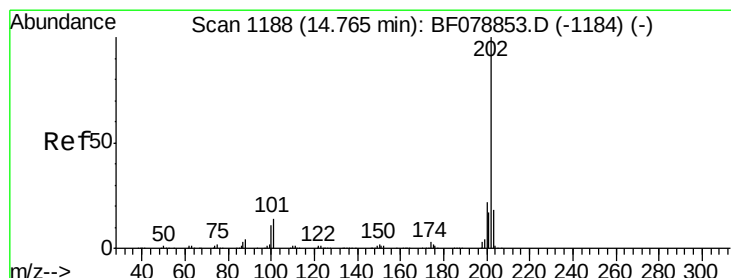
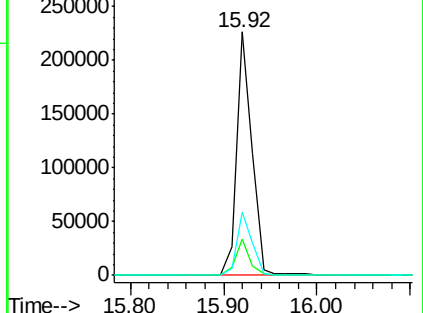
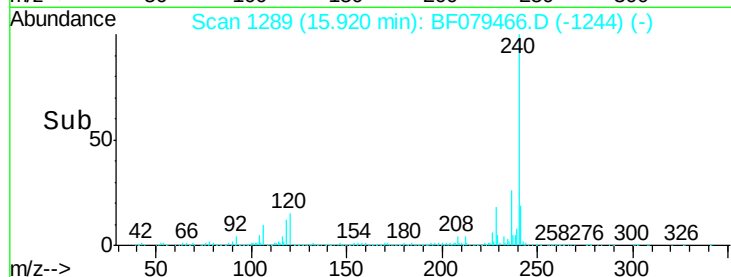
236 25.8 21.0 31.6



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: 12.40 ng

RT: 14.41 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

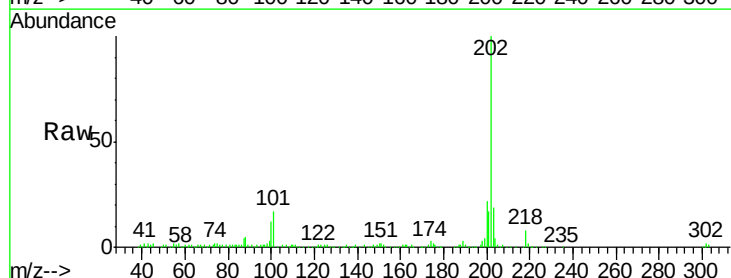
Tgt Ion:202 Resp: 183080

Ion Ratio Lower Upper

202 100

200 22.0 17.5 26.3

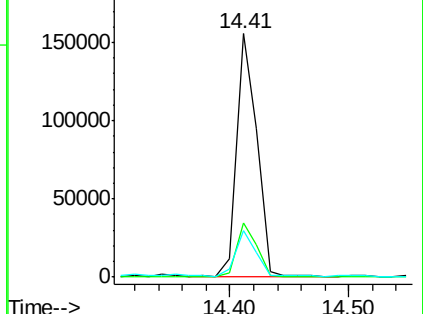
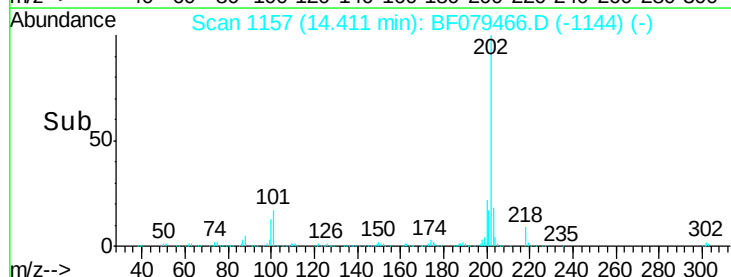
203 18.8 14.7 22.1

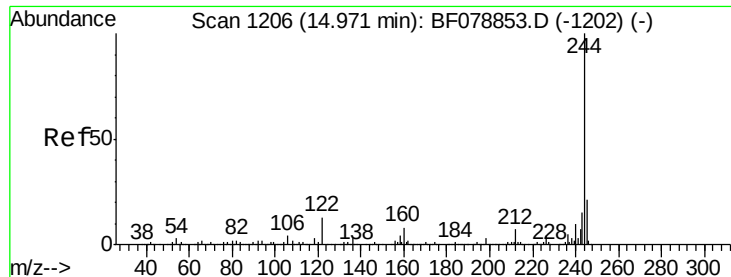


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 36.56 ng

RT: 14.63 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

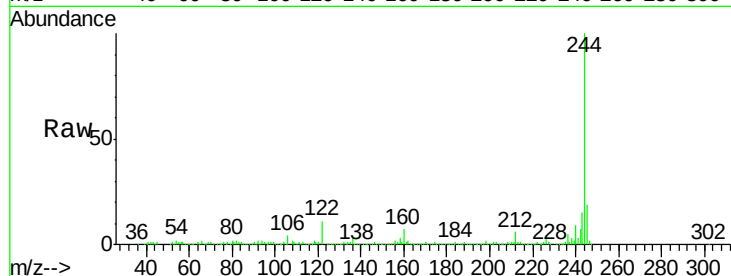
Tgt Ion:244 Resp: 391182

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

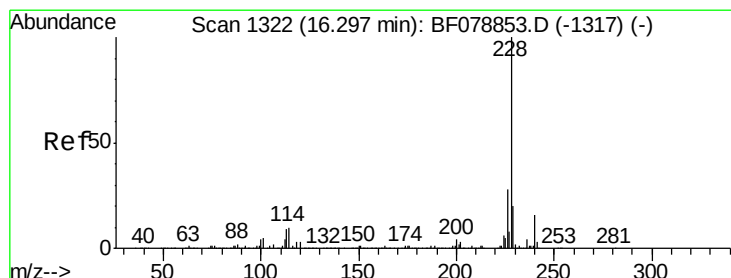
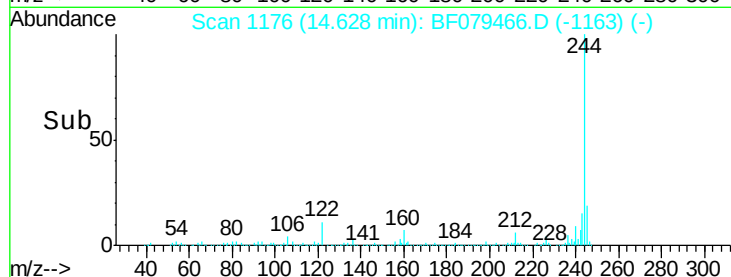
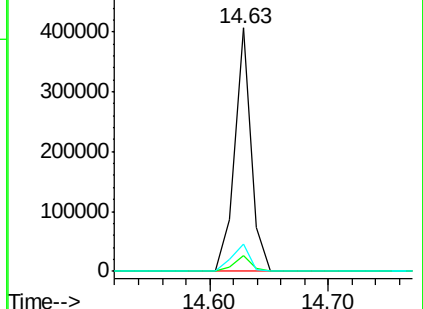
122 11.3 10.5 15.7



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: 5.77 ng

RT: 15.95 min Scan# 1292

Delta R.T. 0.06 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

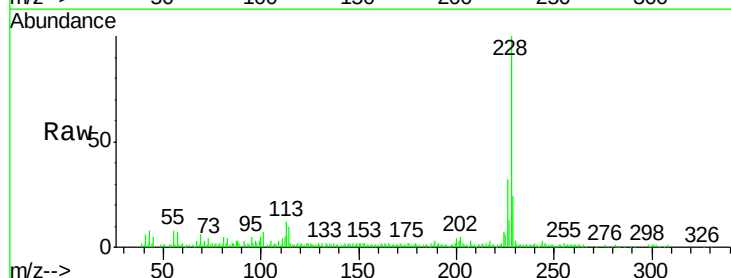
Tgt Ion:228 Resp: 80897

Ion Ratio Lower Upper

228 100

226 31.6 22.3 33.5

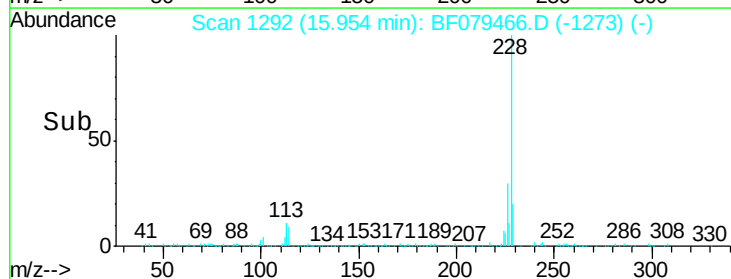
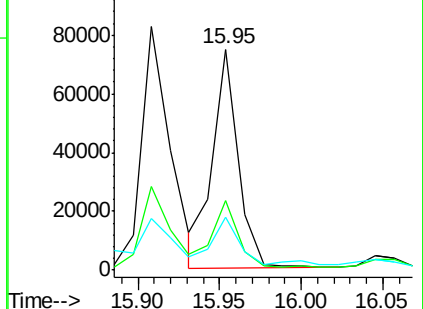
229 23.8 16.1 24.1

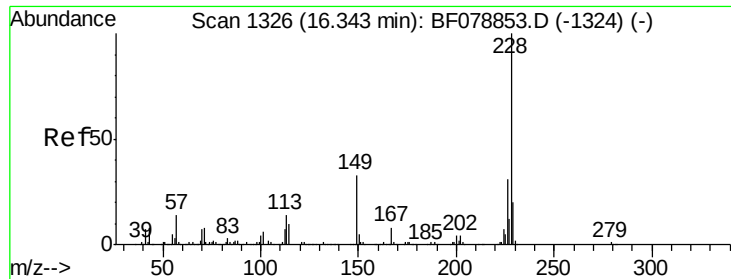


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.99 ng

RT: 15.95 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

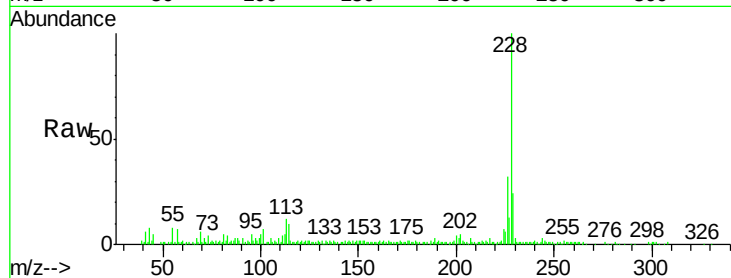
Tgt Ion:228 Resp: 80751

Ion Ratio Lower Upper

228 100

226 31.6 24.8 37.2

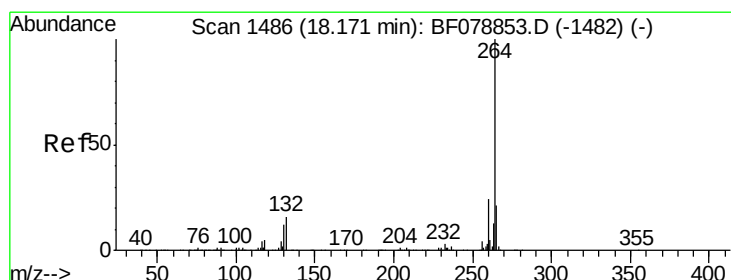
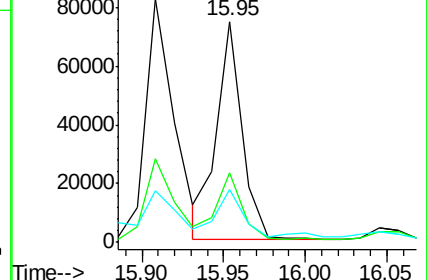
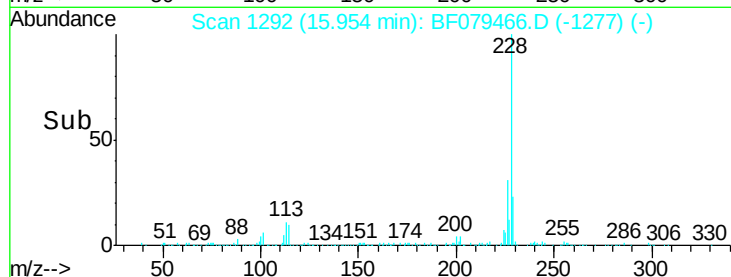
229 23.8 16.1 24.1



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.69 min Scan# 1444

Delta R.T. 0.08 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

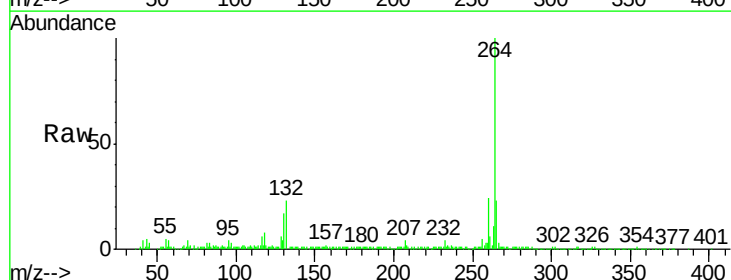
Tgt Ion:264 Resp: 252794

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

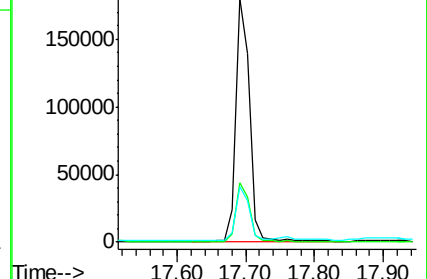
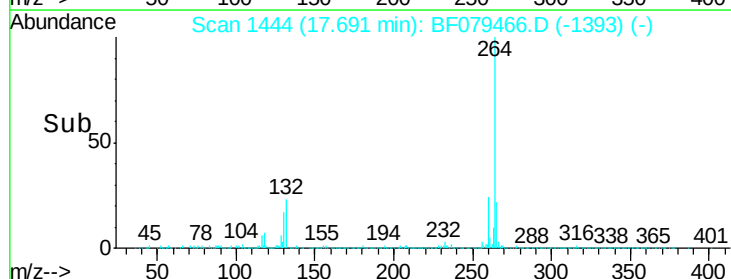
265 22.7 17.2 25.8

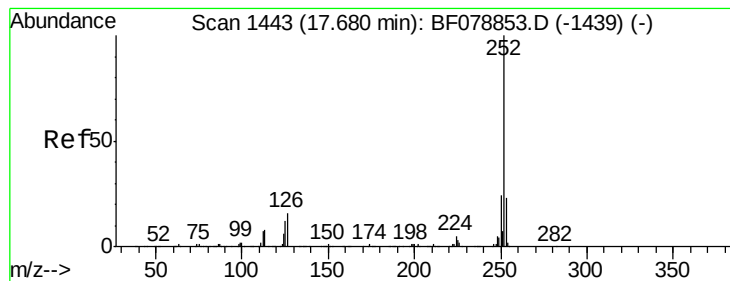


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.16 ng

RT: 17.23 min Scan# 1404

Delta R.T. 0.06 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

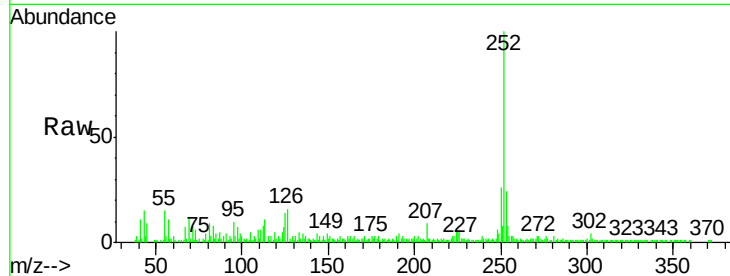
Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

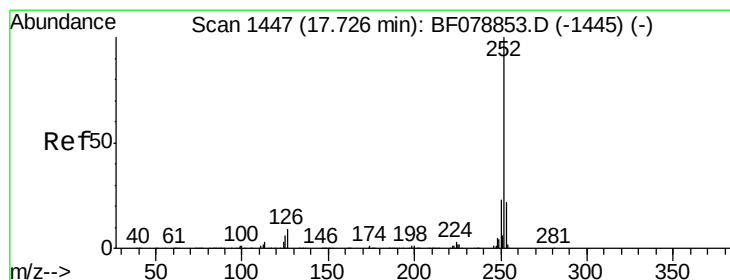
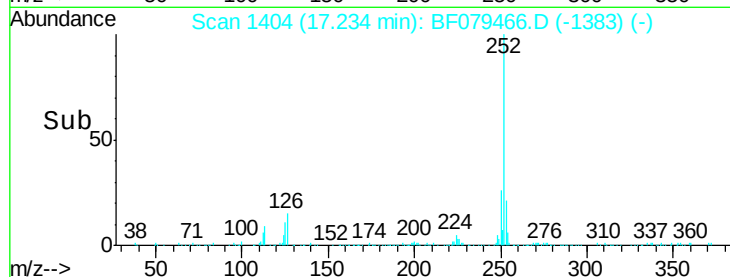
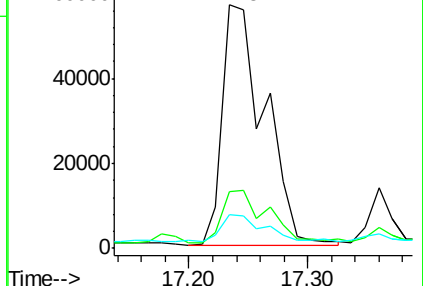
Tgt Ion:	252	Resp:	140521
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.1	27.1
125	14.1	9.4	14.2



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



#88

Benzo(k)fluoranthene

Concen: 10.49 ng

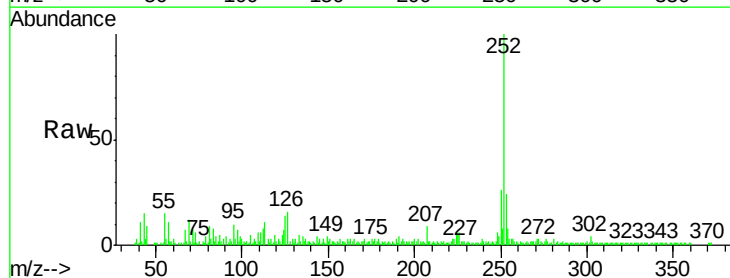
RT: 17.23 min Scan# 1404

Delta R.T. 0.03 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

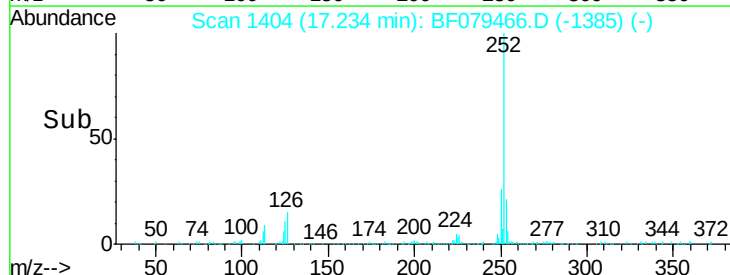
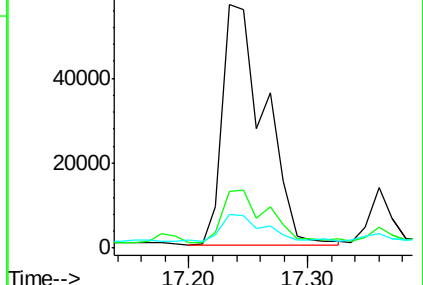
Tgt Ion:	252	Resp:	140521
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.4	26.0
125	14.1	6.1	9.1#

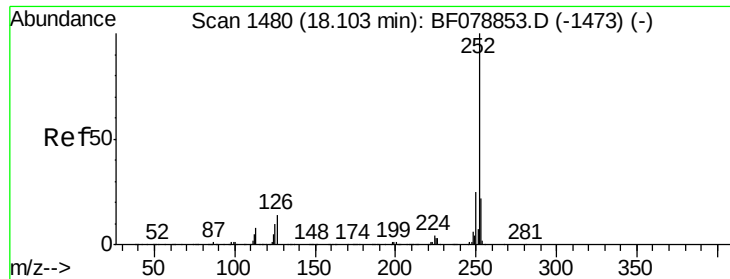


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.83 ng

RT: 17.63 min Scan# 1439

Delta R.T. 0.09 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

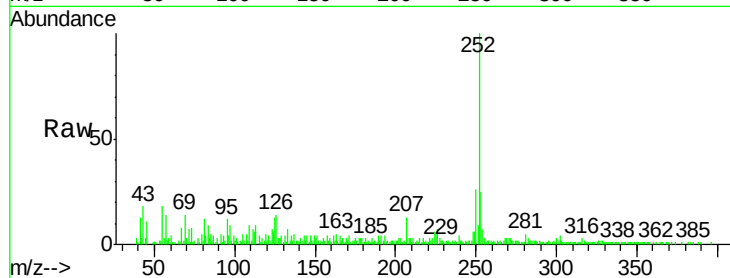
Tgt Ion: 252 Resp: 74214

Ion Ratio Lower Upper

252 100

253 25.4 18.0 27.0

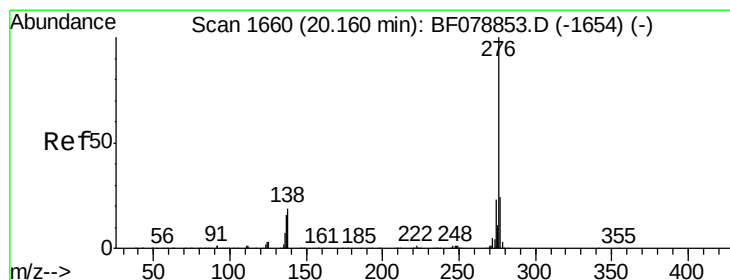
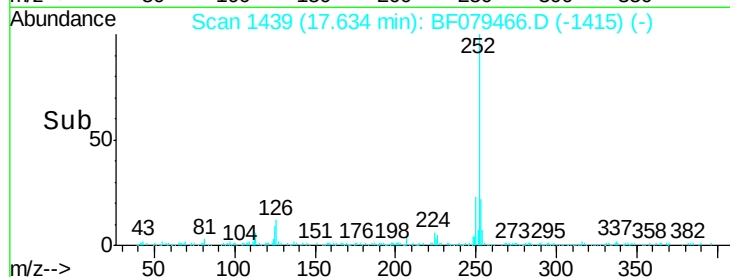
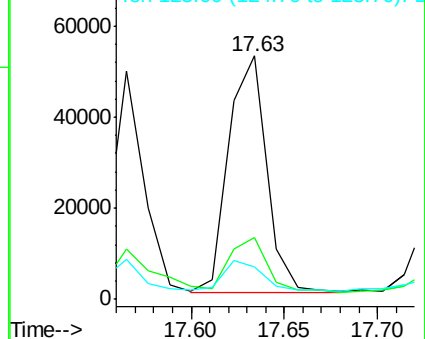
125 13.1 8.2 12.2#



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: 3.68 ng

RT: 19.45 min Scan# 1598

Delta R.T. 0.13 min

Lab File: BF079466.D

Acq: 23 May 2015 9:49

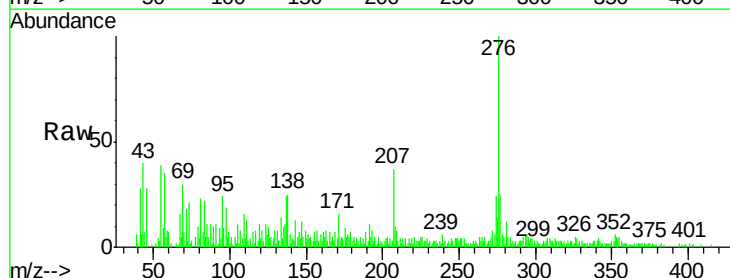
Tgt Ion: 276 Resp: 50005

Ion Ratio Lower Upper

276 100

277 25.1 18.8 28.2

138 25.0 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

