

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052615\
 Data File : BF079499.D
 Acq On : 27 May 2015 3:21
 Operator : TP/IZ
 Sample : G2319-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: May 27 05:04:30 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 01:32:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	65686	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	277333	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	136974	20.00	ng	0.00
63) Phenanthrene-d10	12.60	188	259140	20.00	ng	0.01
75) Chrysene-d12	15.87	240	280791	20.00	ng	0.00
86) Perylene-d12	17.58	264	293763	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	206130	54.43	ng	0.00
7) Phenol-d6	6.62	99	304978	63.18	ng	0.00
23) Nitrobenzene-d5	7.71	82	174829	36.44	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	95914	63.75	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	357439	37.23	ng	0.00
78) Terphenyl-d14	14.59	244	414050	34.61	ng	0.00

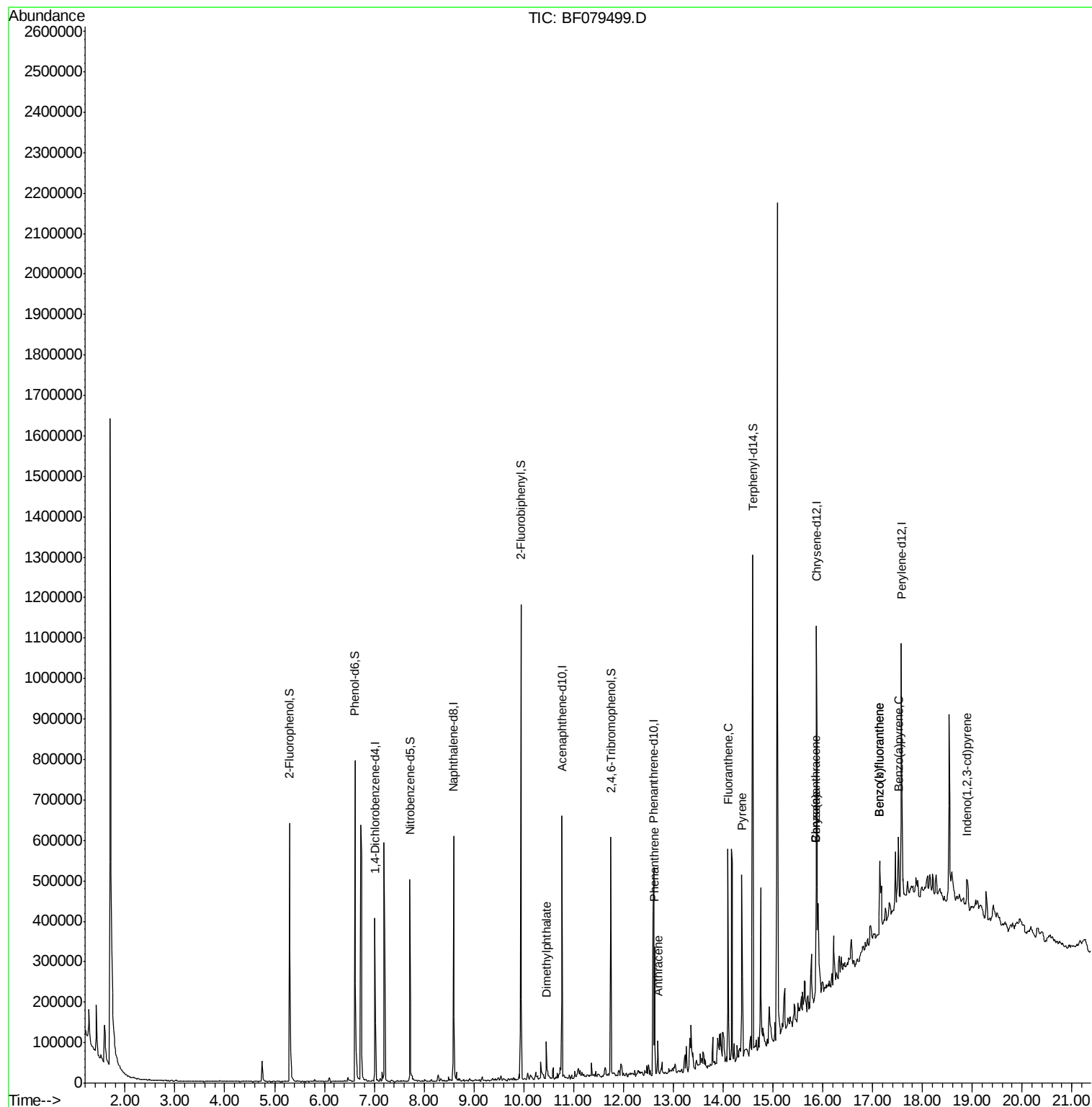
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	3596	Below Cal		87
49) Dimethylphthalate	10.46	163	35288	3.50 ng	#	98
70) Phenanthrene	12.63	178	122139	8.59 ng		100
71) Anthracene	12.70	178	39222	2.72 ng		97
73) Di-n-butylphthalate	13.36	149	14375	Below Cal	#	98
74) Fluoranthene	14.10	202	228254	14.97 ng		97
77) Pyrene	14.38	202	199269	11.45 ng		98
80) Benzo(a)anthracene	15.86	228	110060	6.81 ng	#	90
82) Chrysene	15.86	228	110060	7.17 ng		93
85) Indeno(1,2,3-cd)pyrene	18.90	276	55394	2.80 ng		98
87) Benzo(b)fluoranthene	17.14	252	158593	9.47 ng	#	93
88) Benzo(k)fluoranthene	17.14	252	158593	10.59 ng	#	92
89) Benzo(a)pyrene	17.52	252	87271	4.20 ng		94
90) Dibenzo(a,h)anthracene	18.91	278	16849	Below Cal	#	55

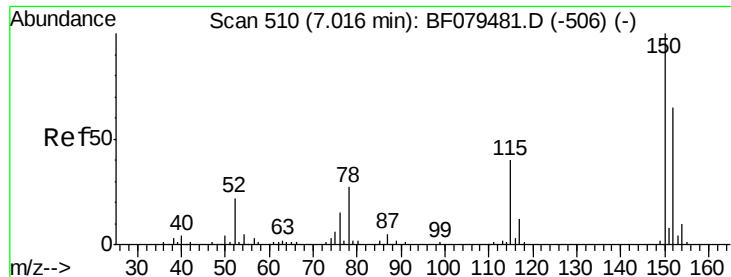
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.02 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

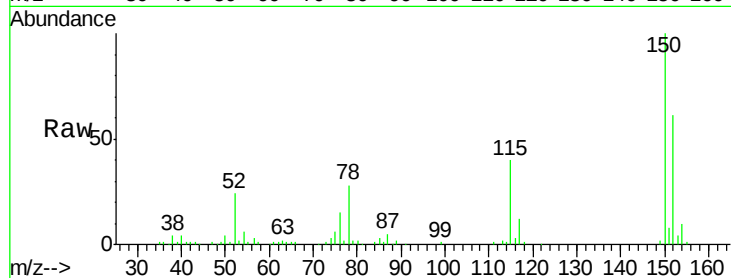
Tgt Ion:152 Resp: 65686

Ion Ratio Lower Upper

152 100

150 164.2 124.0 186.0

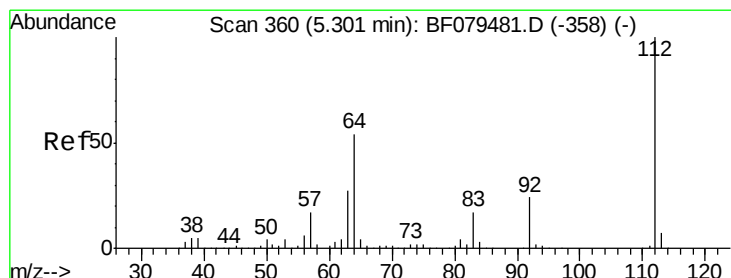
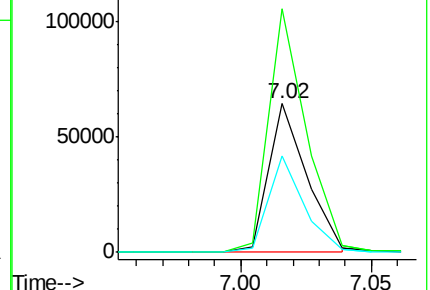
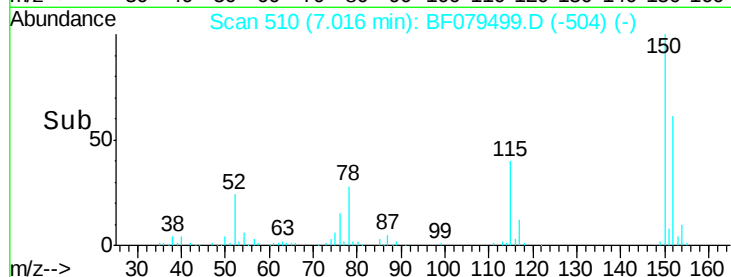
115 65.3 49.6 74.4



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



#5

2-Fluorophenol

Concen: 54.43 ng

RT: 5.30 min Scan# 360

Delta R.T. 0.00 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

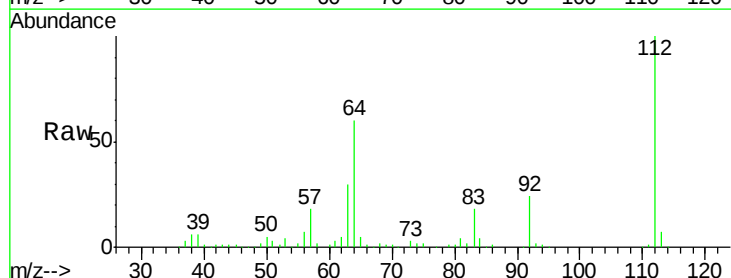
Tgt Ion:112 Resp: 206130

Ion Ratio Lower Upper

112 100

64 59.9 43.5 65.3

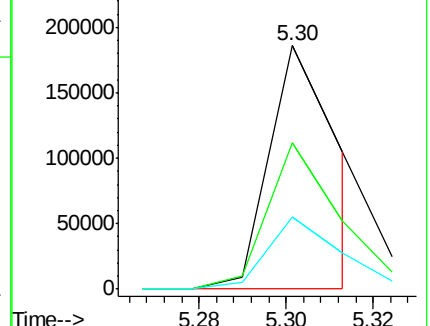
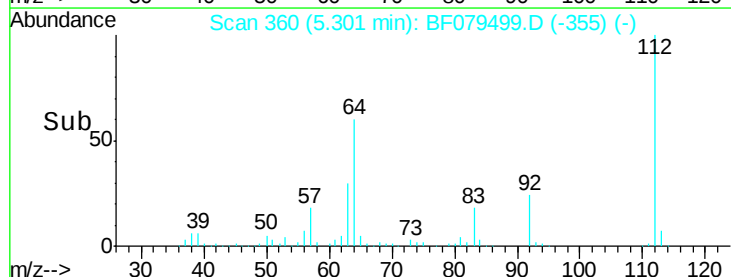
63 29.6 21.8 32.8



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: 63.18 ng

RT: 6.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

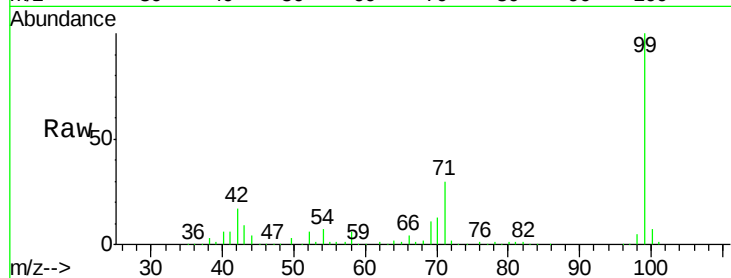
Tgt Ion: 99 Resp: 304978

Ion Ratio Lower Upper

99 100

42 16.7 11.9 17.9

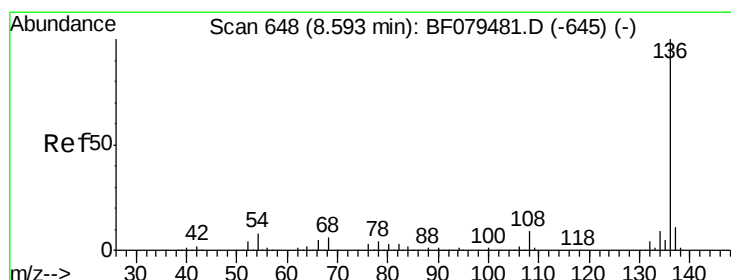
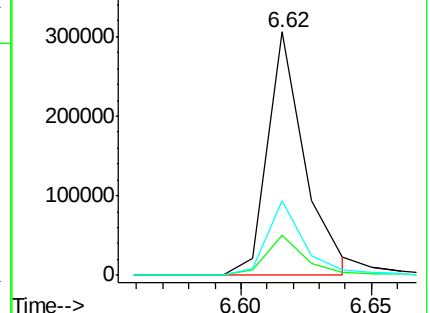
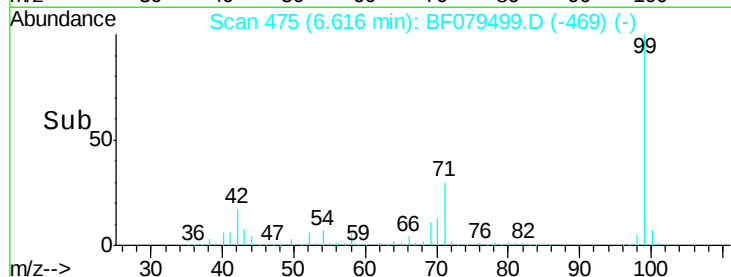
71 30.5 22.1 33.1



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: 8.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

Tgt Ion: 136 Resp: 277333

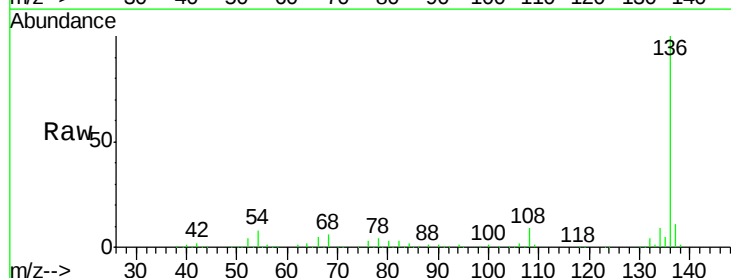
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 8.4 6.6 9.8

68 6.4 4.7 7.1

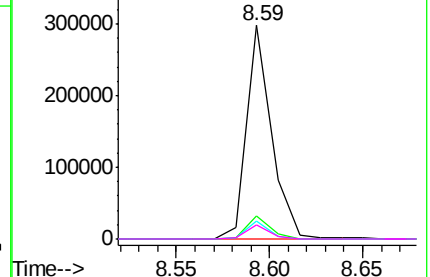
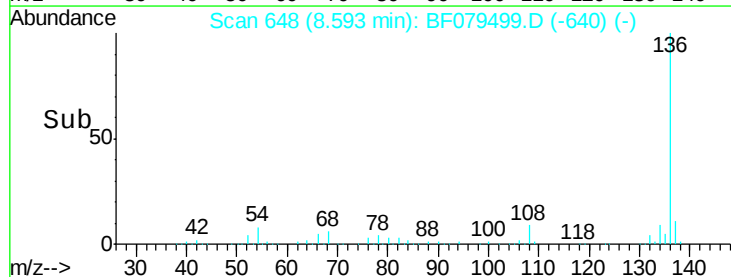


Abundance Ion 136.00 (135.70 to 136.70): E

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

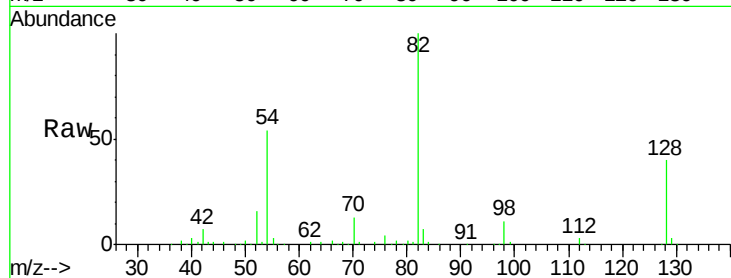




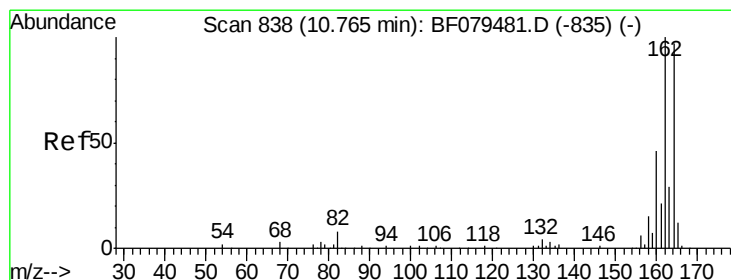
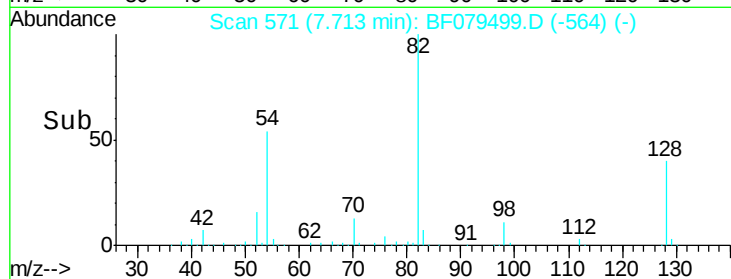
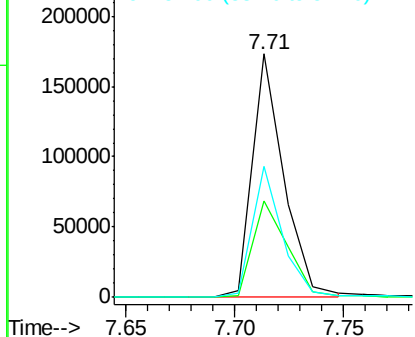
#23
 Nitrobenzene-d5
 Concen: 36.44 ng
 RT: 7.71 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: BF079499.D
 Acq: 27 May 2015 3:21

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.5	30.8	46.2
54	53.7	42.8	64.2

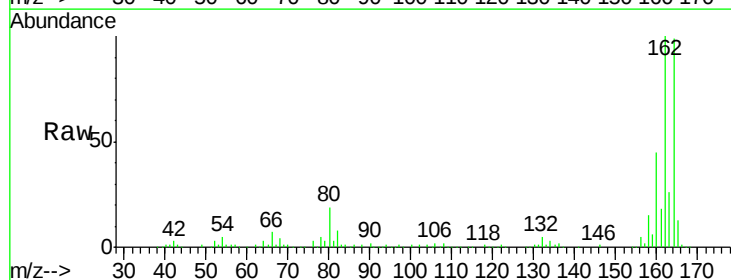


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

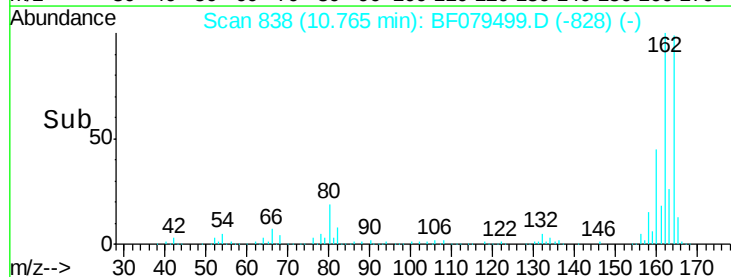
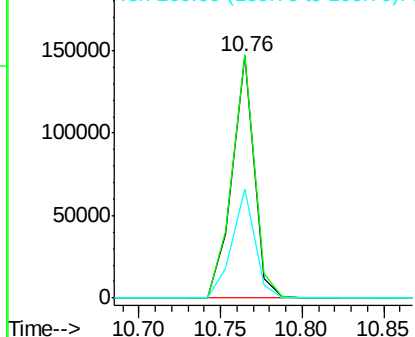


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.76 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BF079499.D
 Acq: 27 May 2015 3:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	82.6	124.0
160	44.9	37.7	56.5



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

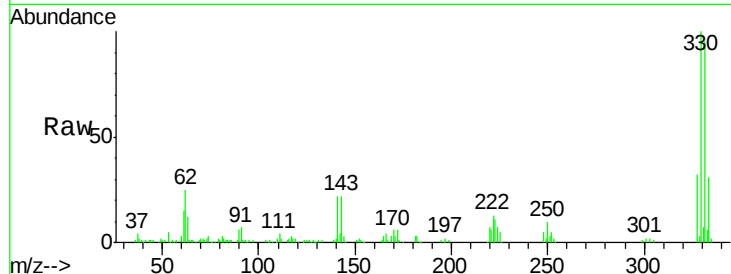




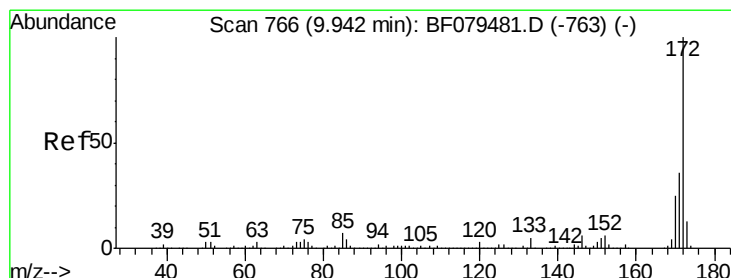
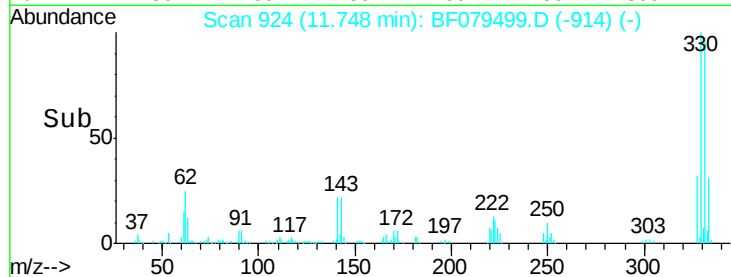
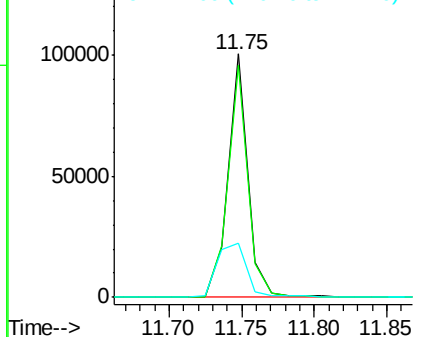
#41
 2,4,6-Tribromophenol
 Concen: 63.75 ng
 RT: 11.75 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BF079499.D
 Acq: 27 May 2015 3:21

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	33.3	0.0	0.0#

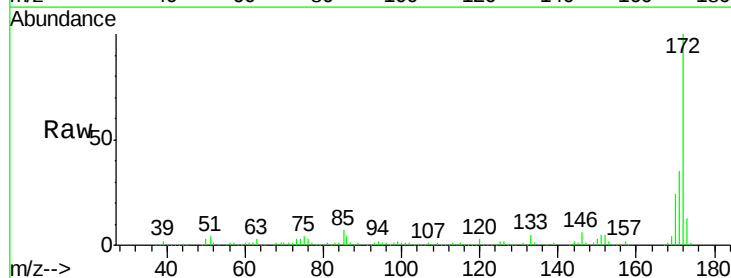


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

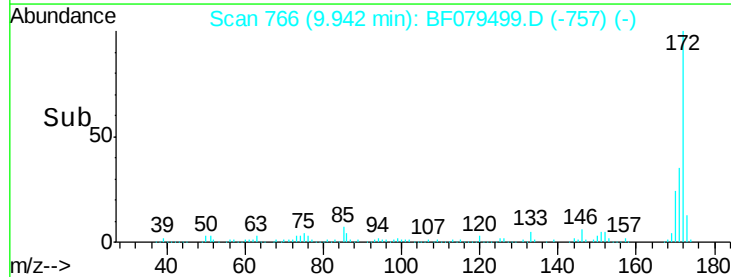
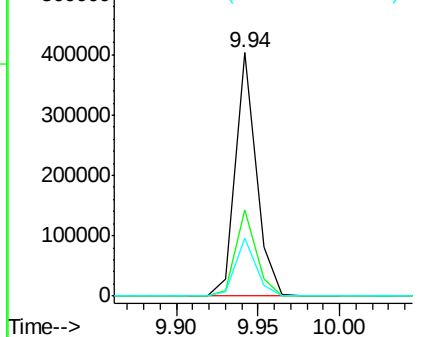


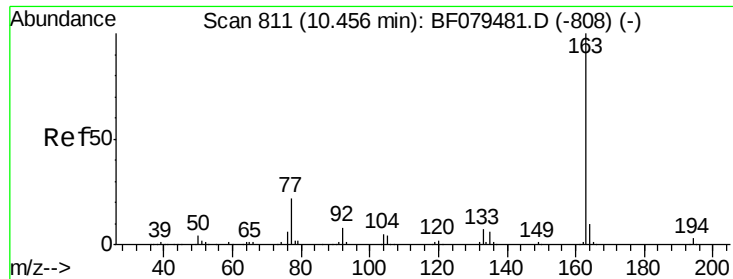
#44
 2-Fluorobiphenyl
 Concen: 37.23 ng
 RT: 9.94 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BF079499.D
 Acq: 27 May 2015 3:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.5	42.7
170	23.9	19.7	29.5



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

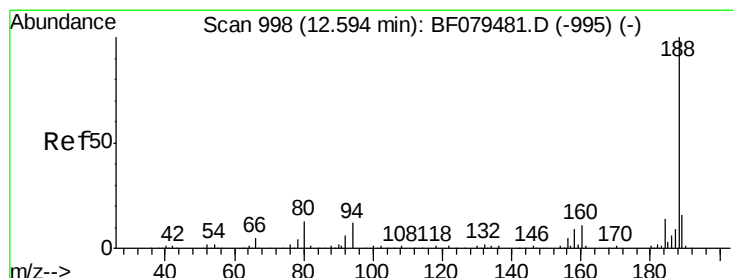
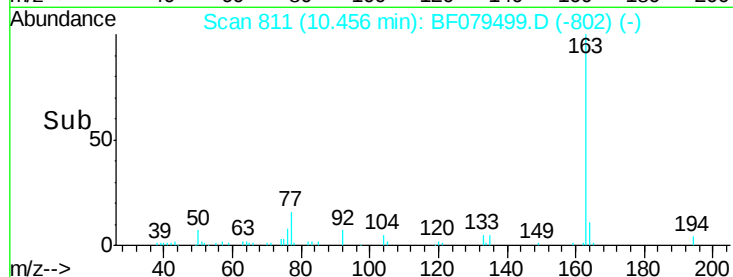
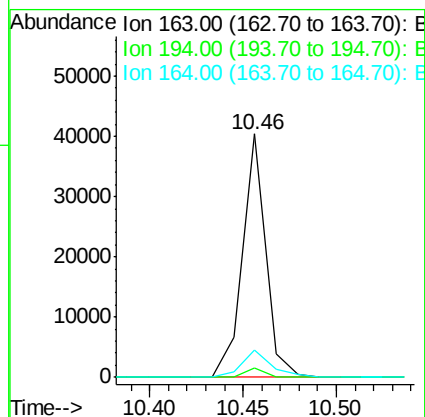
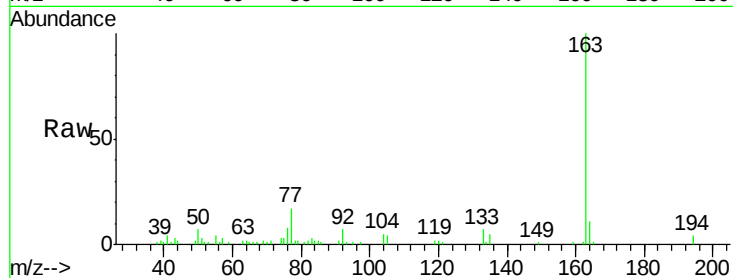




#49
Dimethylphthalate
Concen: 3.50 ng
RT: 10.46 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF079499.D
Acq: 27 May 2015 3:21

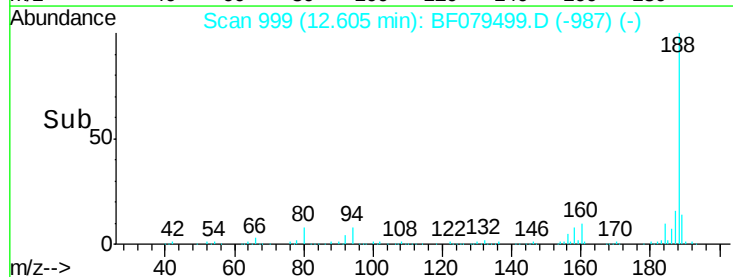
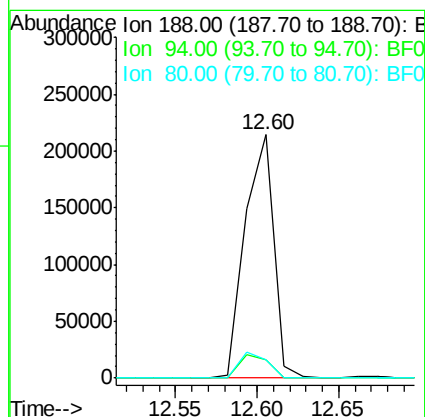
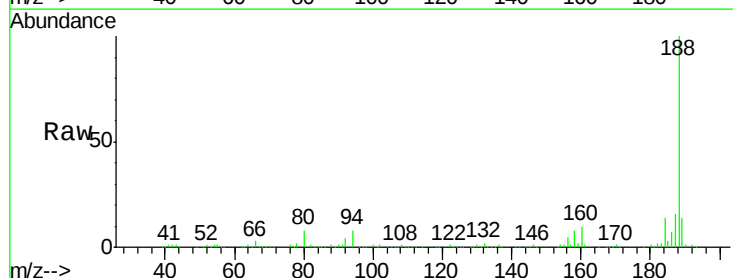
Instrument :
BNA_F
ClientSampleId :
GAS-LINE-WASTE-COMP

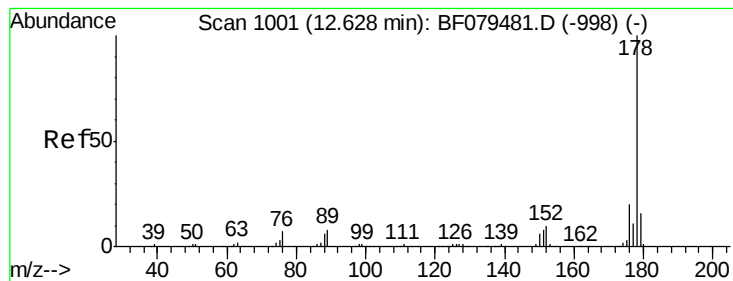
Tgt Ion:163 Resp: 35288
Ion Ratio Lower Upper
163 100
194 3.6 2.4 3.6#
164 11.2 8.2 12.4



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF079499.D
Acq: 27 May 2015 3:21

Tgt Ion:188 Resp: 259140
Ion Ratio Lower Upper
188 100
94 7.7 9.8 14.6#
80 7.5 10.5 15.7#





#70

Phenanthrene

Concen: 8.59 ng

RT: 12.63 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

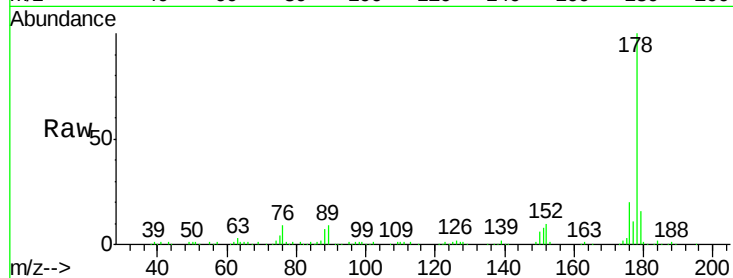
Tgt Ion:178 Resp: 122139

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

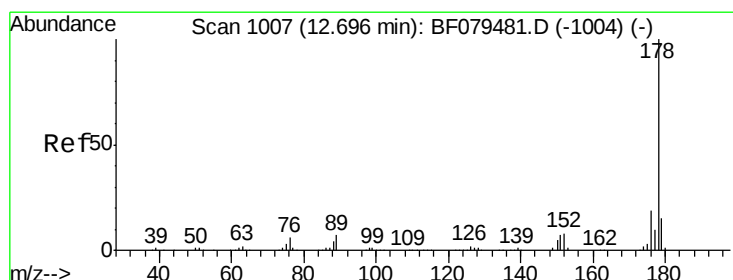
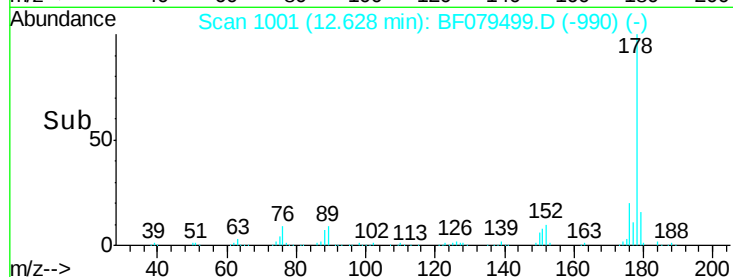
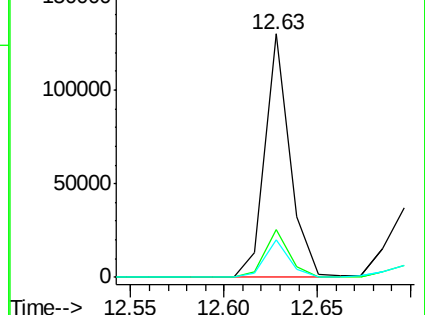
179 15.5 12.4 18.6



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



#71

Anthracene

Concen: 2.72 ng

RT: 12.70 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

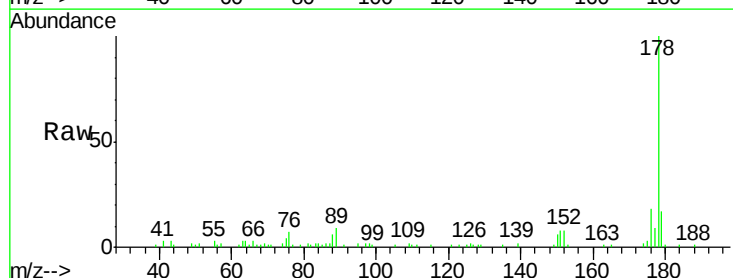
Tgt Ion:178 Resp: 39222

Ion Ratio Lower Upper

178 100

176 17.9 15.3 22.9

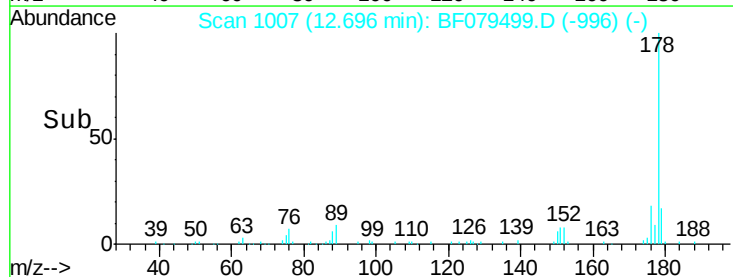
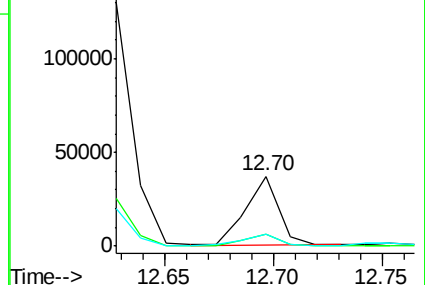
179 16.7 12.2 18.4

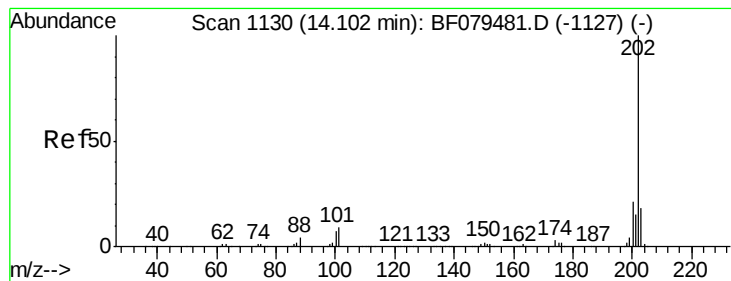


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.97 ng

RT: 14.10 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

Instrument :

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GAS-LINE-WASTE-COMP

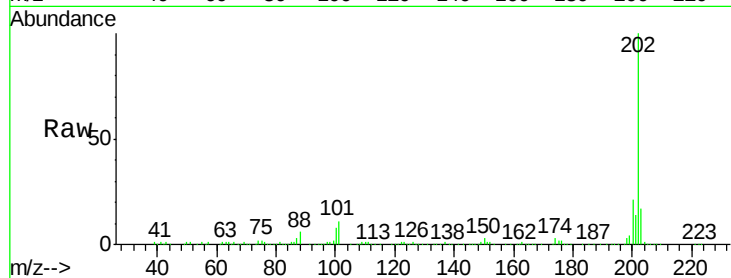
Tgt Ion: 202 Resp: 228254

Ion Ratio Lower Upper

202 100

101 11.5 0.0 29.3

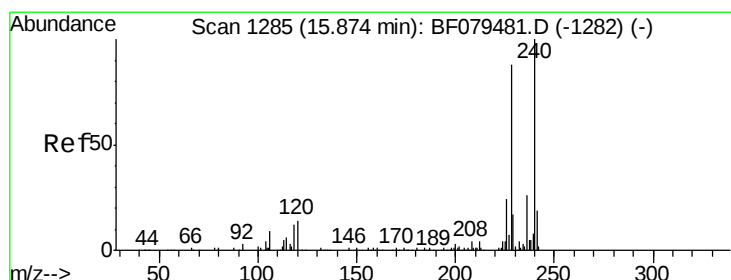
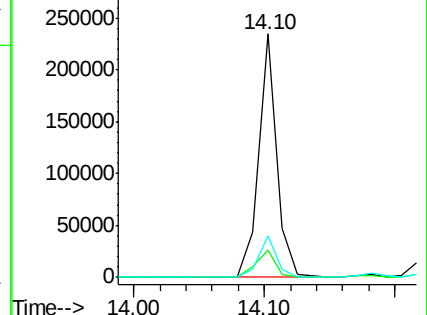
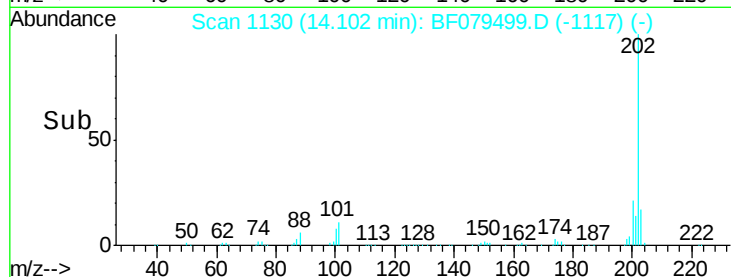
203 17.1 0.0 37.6



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: 15.87 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

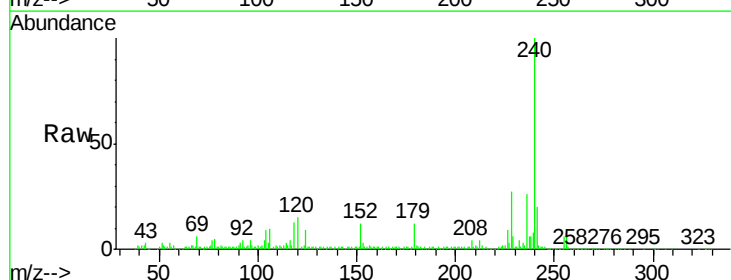
Tgt Ion: 240 Resp: 280791

Ion Ratio Lower Upper

240 100

120 15.5 10.8 16.2

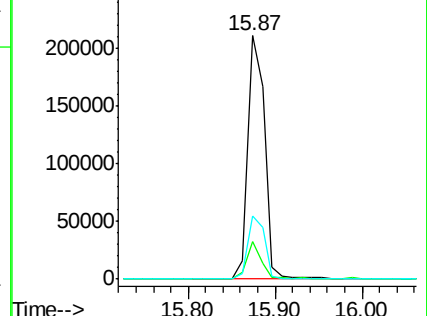
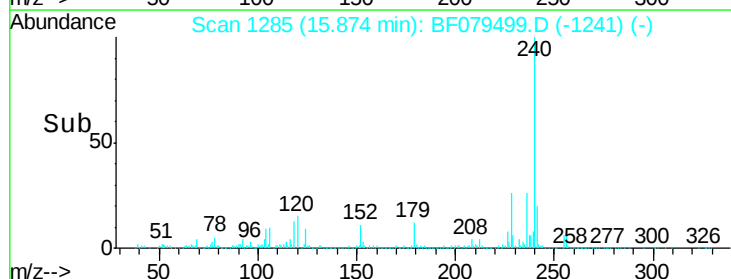
236 25.8 21.0 31.6

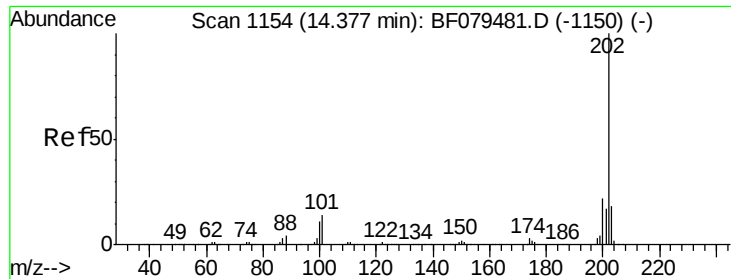


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

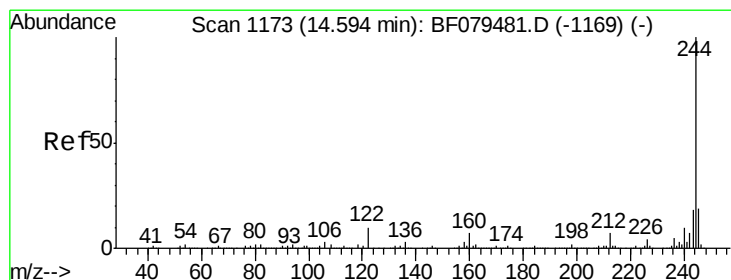
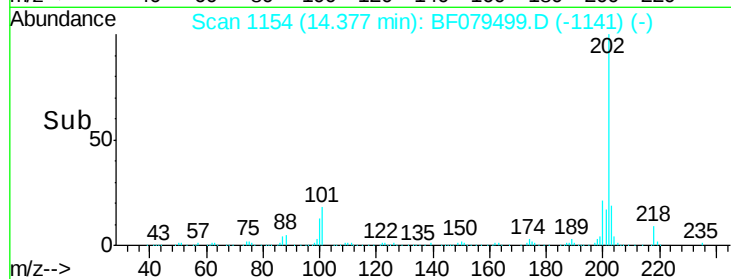
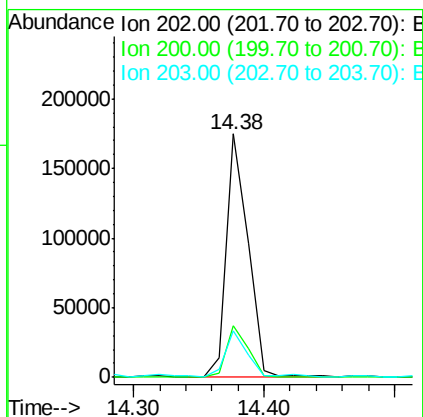
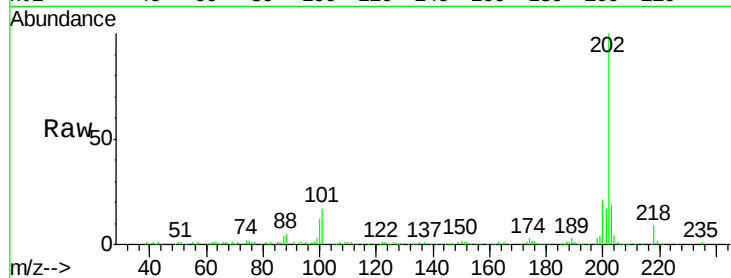




#77
 Pyrene
 Concen: 11.45 ng
 RT: 14.38 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BF079499.D
 Acq: 27 May 2015 3:21

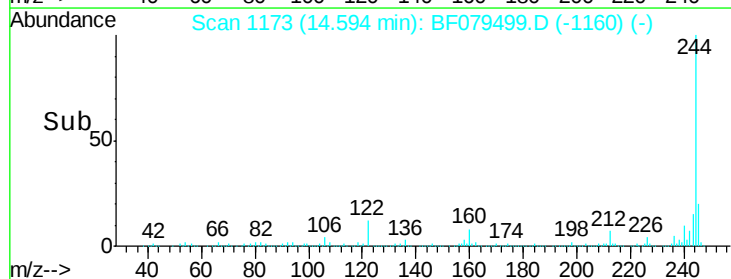
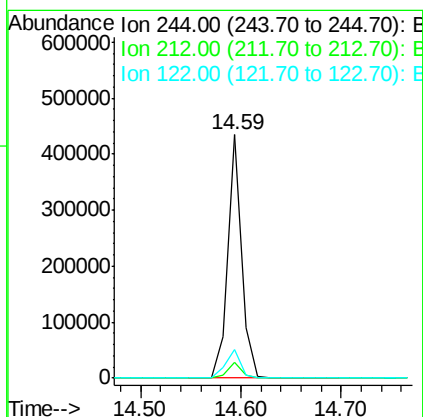
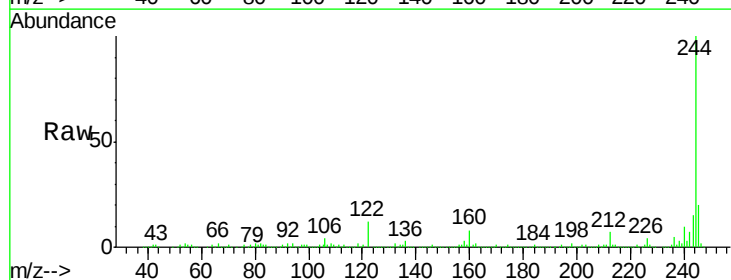
Instrument :
 BNA_F
 ClientSampleId :
 GAS-LINE-WASTE-COMP

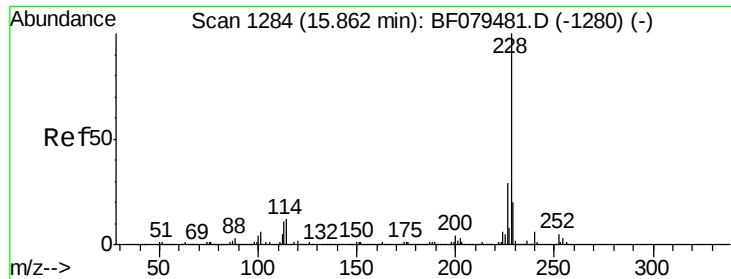
Tgt Ion: 202 Resp: 199269
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.5 26.3
 203 19.3 14.4 21.6



#78
 Terphenyl-d14
 Concen: 34.61 ng
 RT: 14.59 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: BF079499.D
 Acq: 27 May 2015 3:21

Tgt Ion: 244 Resp: 414050
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 12.0 8.0 12.0





#80

Benzo(a)anthracene

Concen: 6.81 ng

RT: 15.86 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

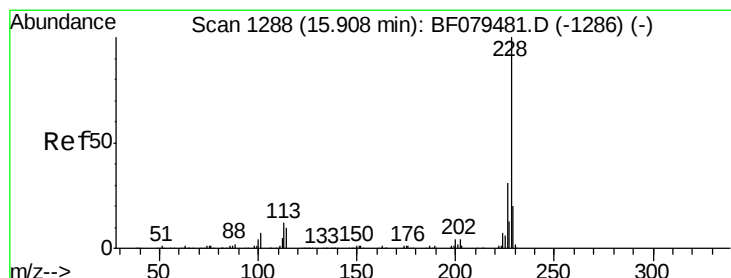
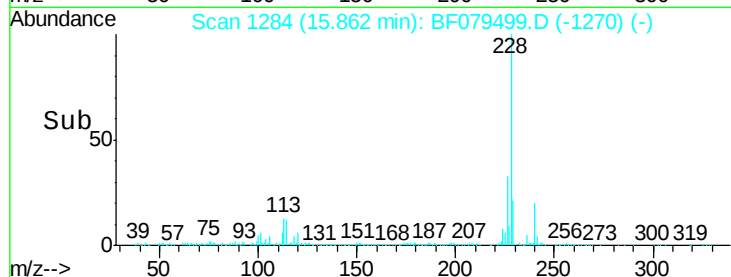
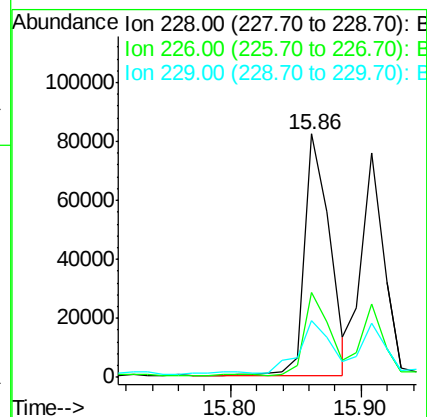
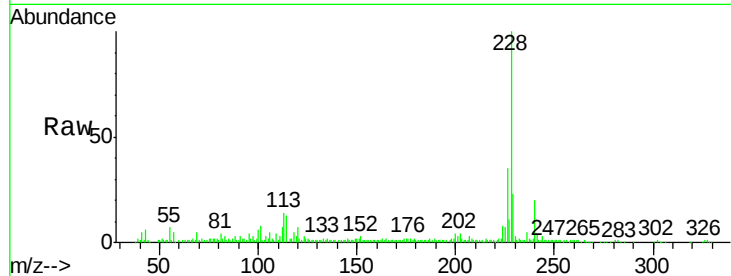
Tgt Ion:228 Resp: 110060

Ion Ratio Lower Upper

228 100

226 34.7 22.8 34.2#

229 23.1 15.9 23.9



#82

Chrysene

Concen: 7.17 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.05 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

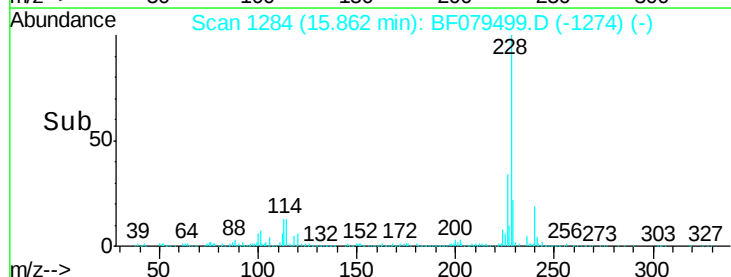
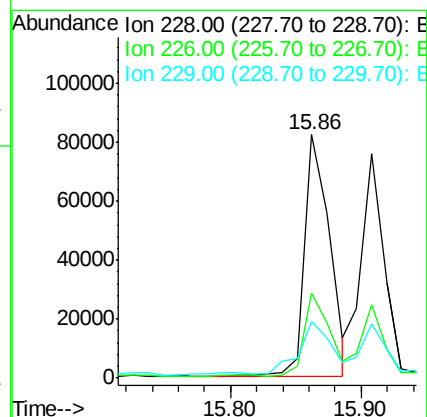
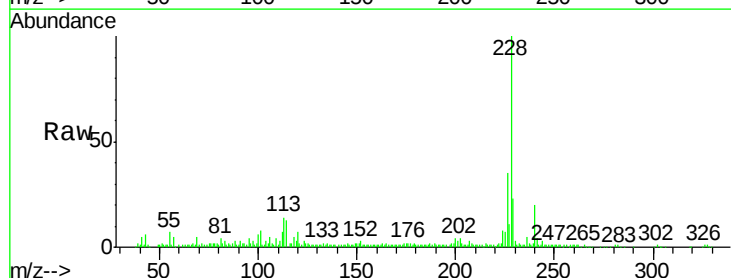
Tgt Ion:228 Resp: 110060

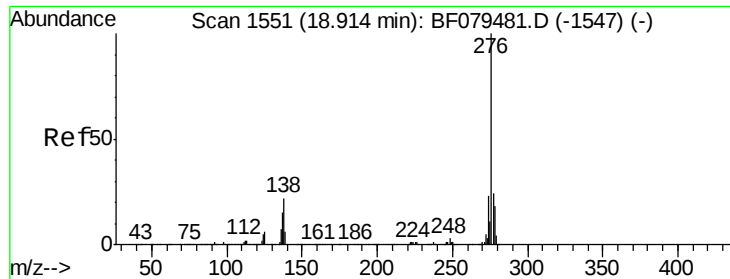
Ion Ratio Lower Upper

228 100

226 34.7 25.0 37.4

229 23.1 15.9 23.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.80 ng

RT: 18.90 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP

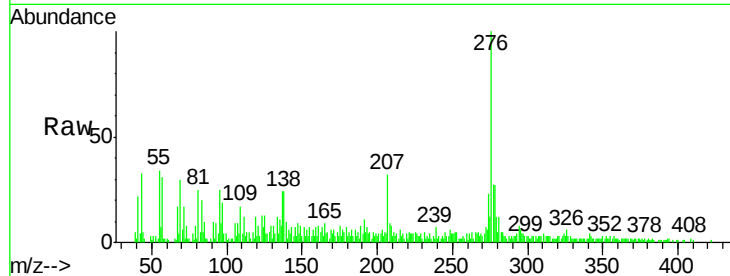
Tgt Ion: 276 Resp: 55394

Ion Ratio Lower Upper

276 100

138 26.4 21.4 32.2

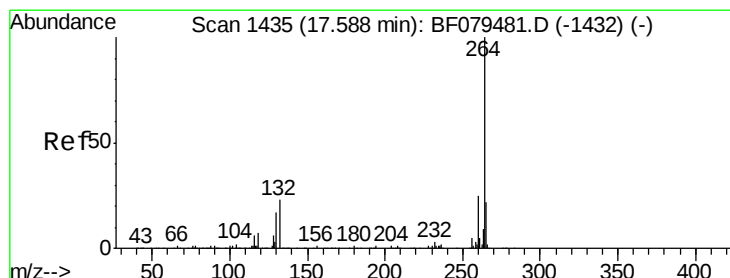
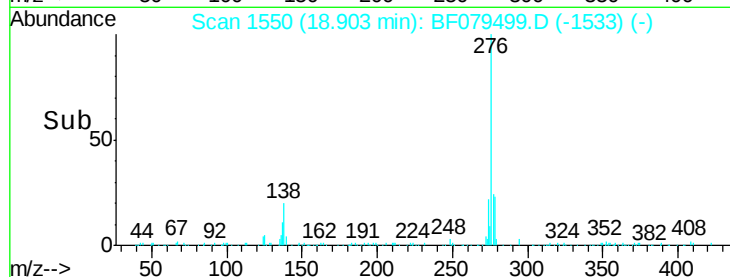
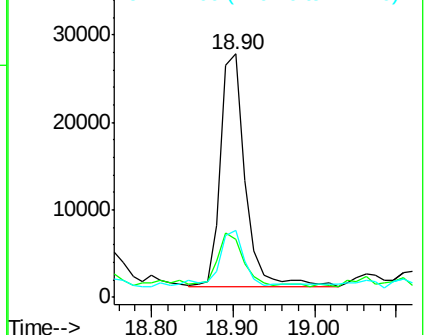
277 26.9 19.8 29.6



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: 17.58 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

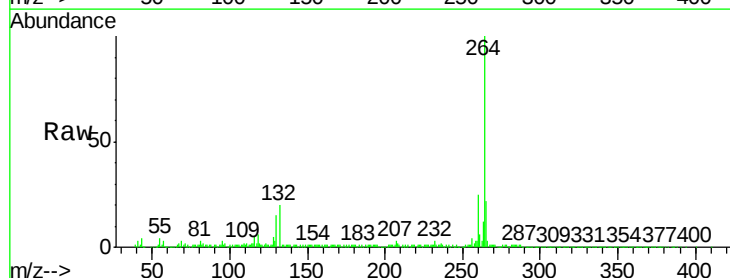
Tgt Ion: 264 Resp: 293763

Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.8

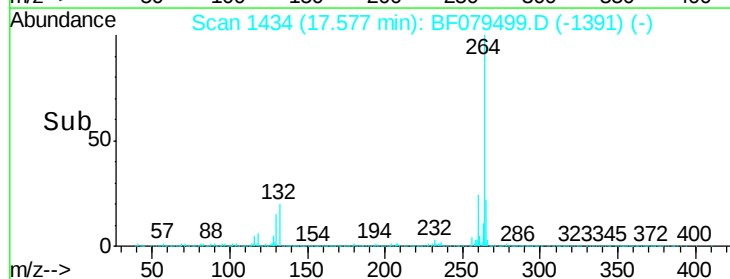
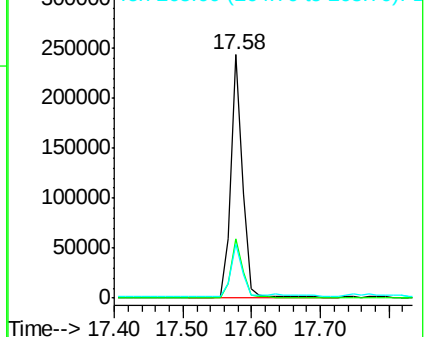
265 22.3 17.8 26.6

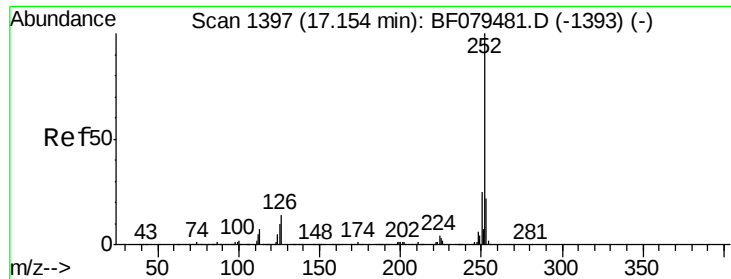


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.47 ng

RT: 17.14 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF079499.D

Acq: 27 May 2015 3:21

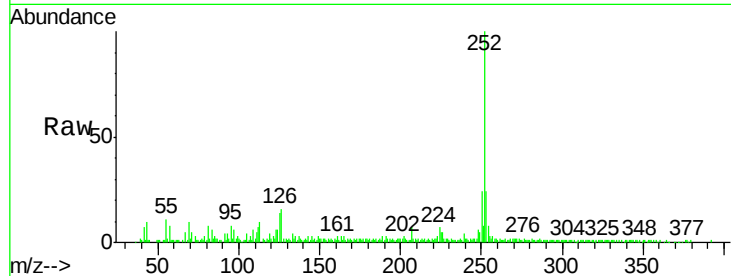
Instrument :

BNA_F

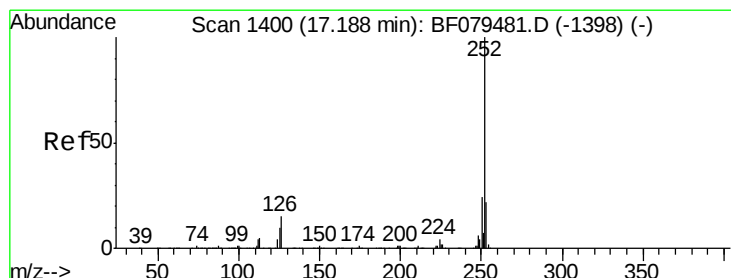
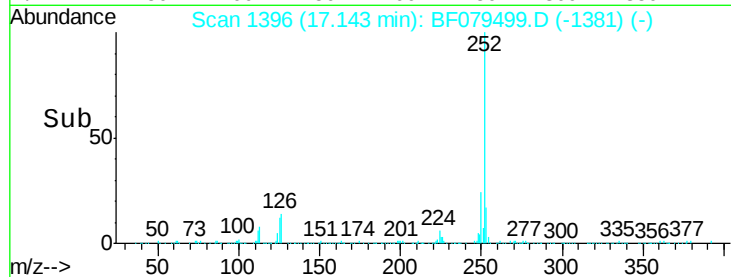
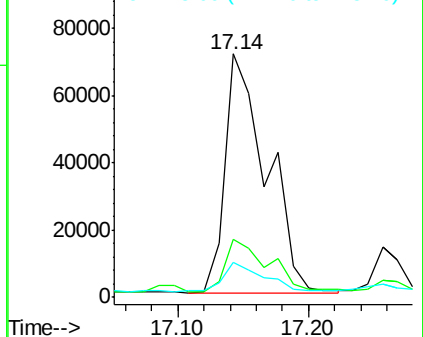
ClientSampleId :

GAS-LINE-WASTE-COMP

Tgt Ion:	252	Resp:	158593
Ion Ratio		Lower	Upper
252	100		
253	24.0	17.6	26.4
125	14.3	7.8	11.6#



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: 10.59 ng

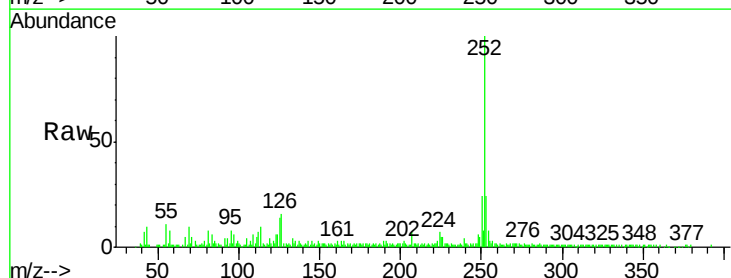
RT: 17.14 min Scan# 1396

Delta R.T. -0.05 min

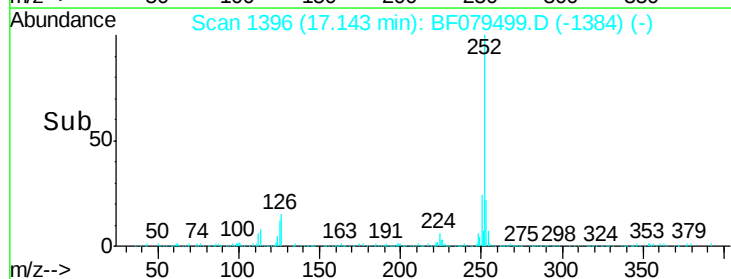
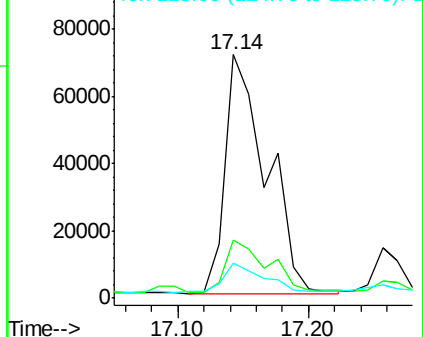
Lab File: BF079499.D

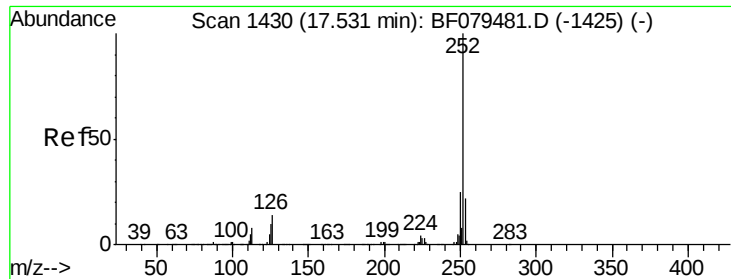
Acq: 27 May 2015 3:21

Tgt Ion:	252	Resp:	158593
Ion Ratio		Lower	Upper
252	100		
253	24.0	17.2	25.8
125	14.3	6.8	10.2#



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





#89

Benzo(a)pyrene

Concen: 4.20 ng

RT: 17.52 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BF079499.D

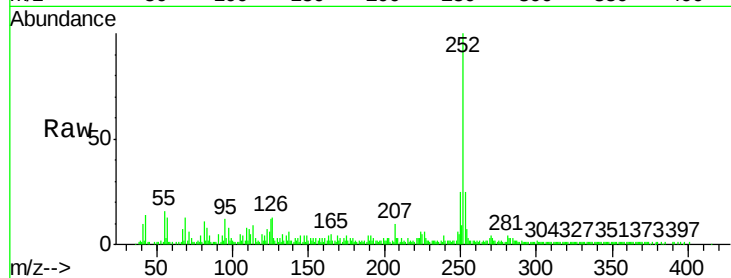
Acq: 27 May 2015 3:21

Instrument :

BNA_F

ClientSampleId :

GAS-LINE-WASTE-COMP



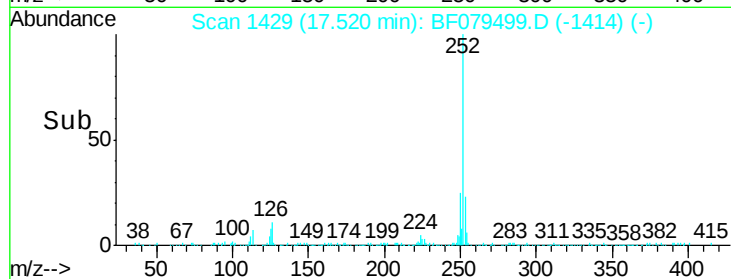
Tgt Ion:252 Resp: 87271

Ion Ratio Lower Upper

252 100

253 25.4 17.8 26.8

125 11.8 7.9 11.9



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

