

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
 Data File : BF087134.D
 Acq On : 18 May 2016 6:39
 Operator : UM/SJ
 Sample : H3038-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PITT-1-N-WEST

Quant Time: May 18 07:38:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	156308	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	601318	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	257064	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	397351	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	297187	20.00	ng	-0.02
86) Perylene-d12	15.10	264	330343	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1114658	119.86	ng	-0.01
7) Phenol-d6	6.26	99	1302860	104.46	ng	-0.02
23) Nitrobenzene-d5	7.16	82	841168	69.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	288396	101.52	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1242852	80.07	ng	-0.02
78) Terphenyl-d14	12.70	244	927660	70.61	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.36	163	159655	8.14	ng	Qvalue 99
55) 4-Nitrophenol	9.78	139	212	Below Cal	#	1
66) 4-Bromophenyl-phenylether	10.42	248	17919	4.39	ng	# 1
70) Phenanthrene	11.13	178	191133	8.87	ng	99
71) Anthracene	11.18	178	45979	2.11	ng	96
74) Fluoranthene	12.32	202	276007	12.78	ng	98
77) Pyrene	12.55	202	242073	11.28	ng	99
80) Benzo(a)anthracene	13.73	228	83448	4.86	ng	97
82) Chrysene	13.76	228	88669	5.33	ng	96
83) Bis(2-ethylhexyl)phthalate	13.74	149	168382	15.27	ng	# 98
87) Benzo(b)fluoranthene	14.73	252	165904	7.57	ng	# 85
88) Benzo(k)fluoranthene	14.73	252	165904	10.17	ng	# 83
89) Benzo(a)pyrene	15.05	252	70032	3.82	ng	# 76
91) Benzo(g,h,i)perylene	16.72	276	50328	3.23	ng	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

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PITT-1-N-WEST

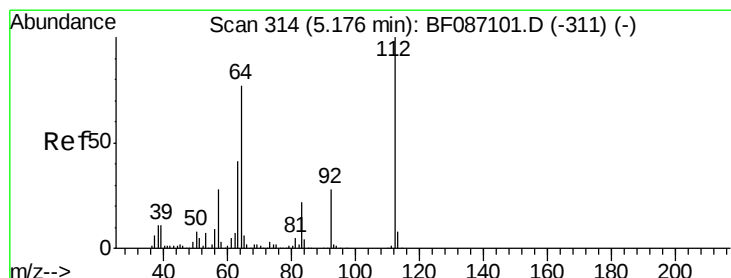
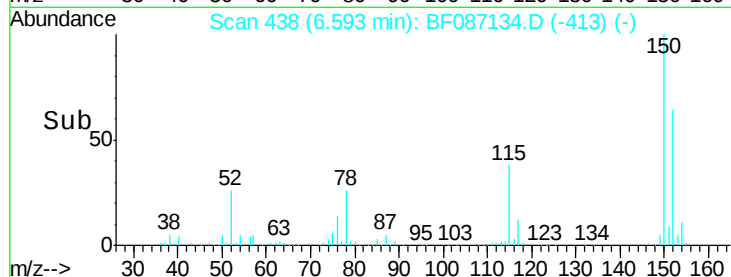
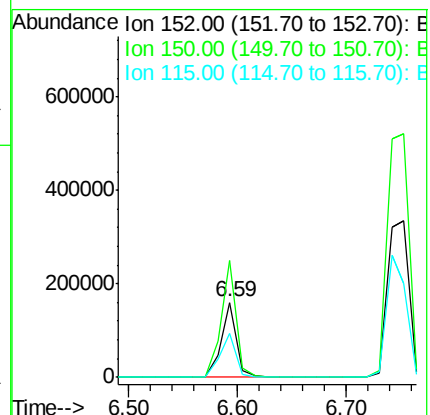
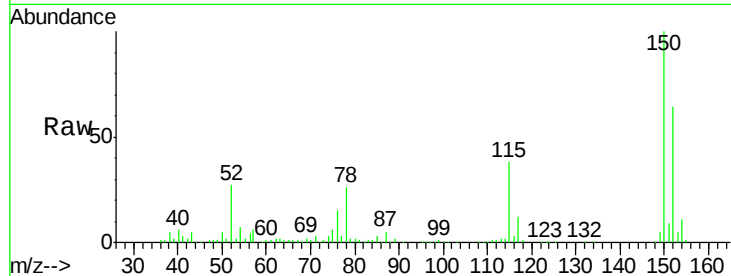
Tgt Ion:152 Resp: 156308

Ion Ratio Lower Upper

152 100

150 156.0 125.8 188.6

115 58.8 51.5 77.3



#5

2-Fluorophenol

Concen: 119.86 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

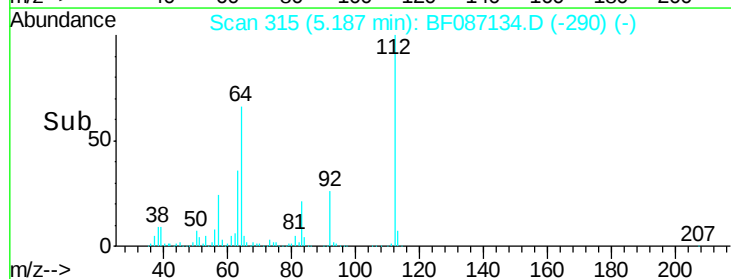
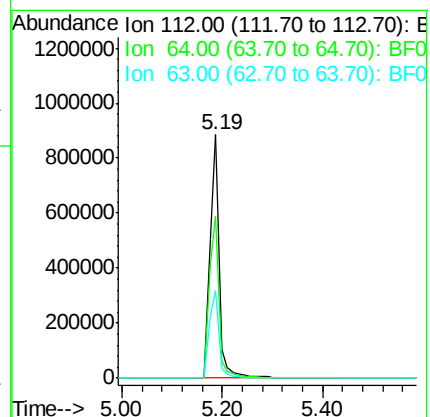
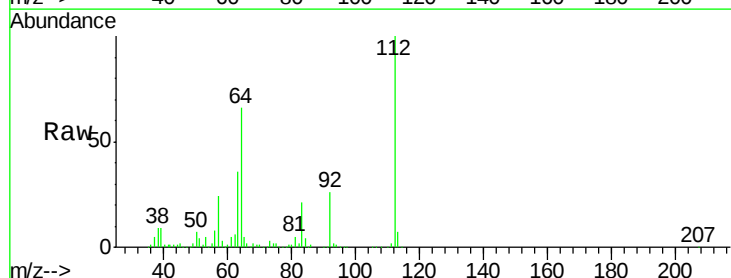
Tgt Ion:112 Resp: 1114658

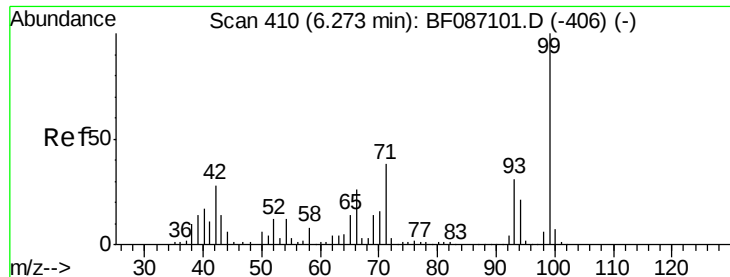
Ion Ratio Lower Upper

112 100

64 66.3 52.1 78.1

63 35.9 25.7 38.5





#7

Phenol-d6

Concen: 104.46 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

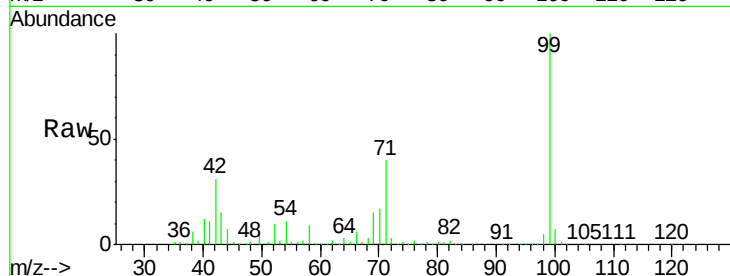
Tgt Ion: 99 Resp: 1302860

Ion Ratio Lower Upper

99 100

42 30.7 13.6 20.4#

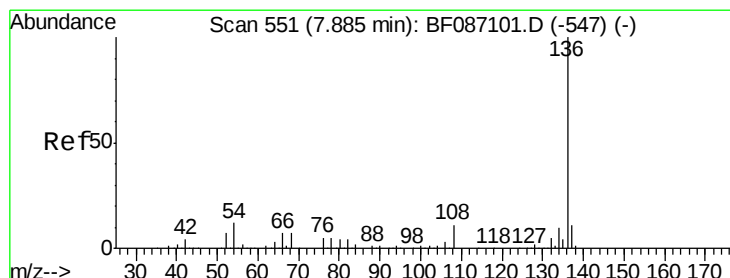
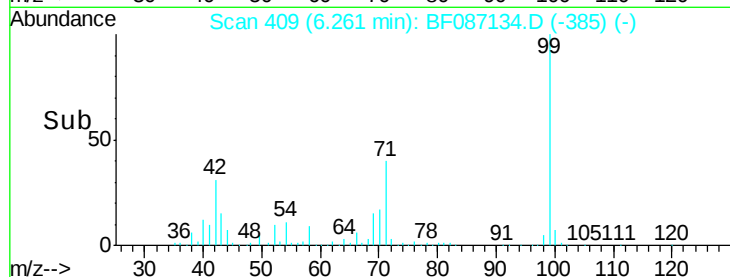
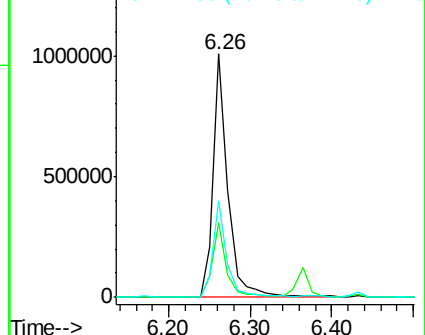
71 39.8 24.6 36.8#



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: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Tgt Ion: 136 Resp: 601318

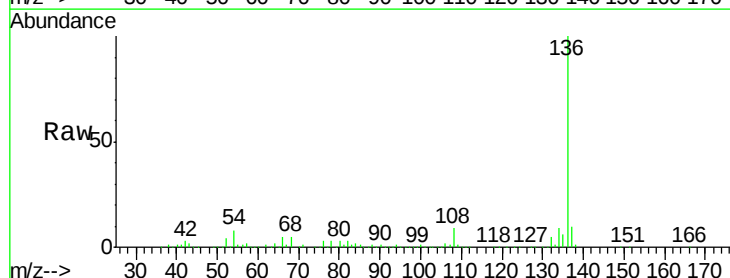
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 7.6 5.0 7.4#

68 4.6 4.4 6.6

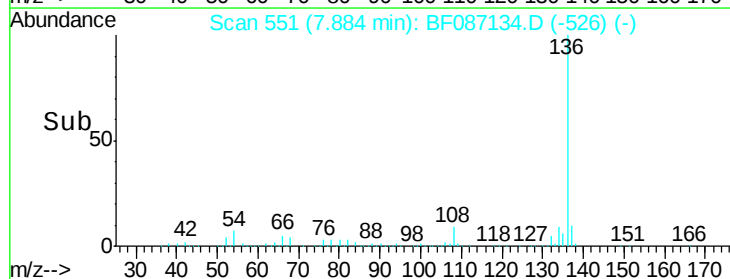
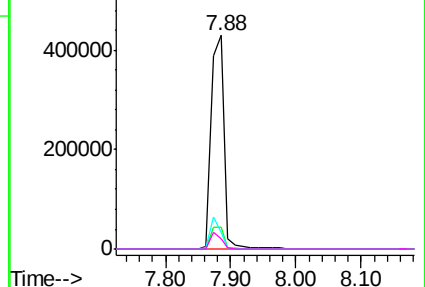


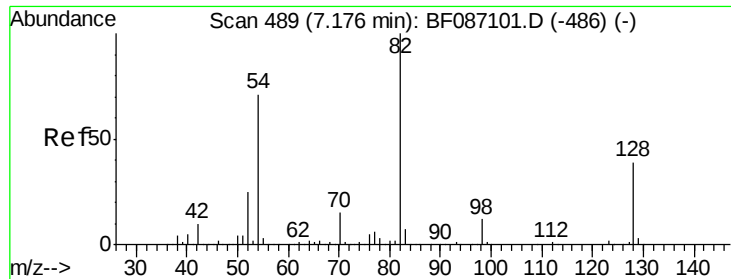
Abundance Ion 136.00 (135.70 to 136.70): E

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

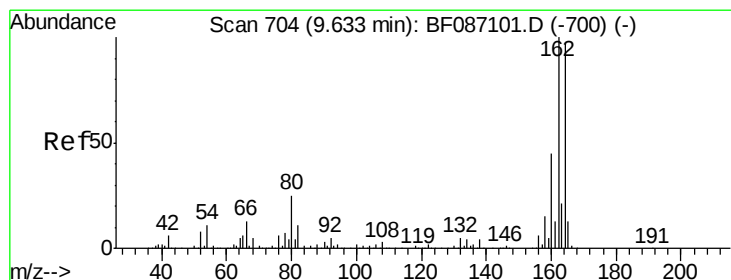
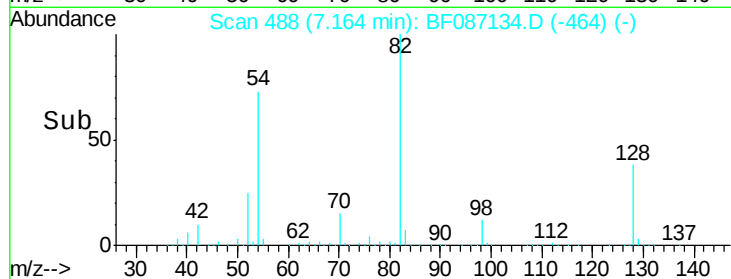
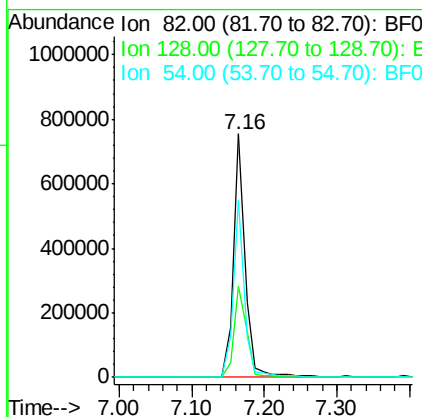
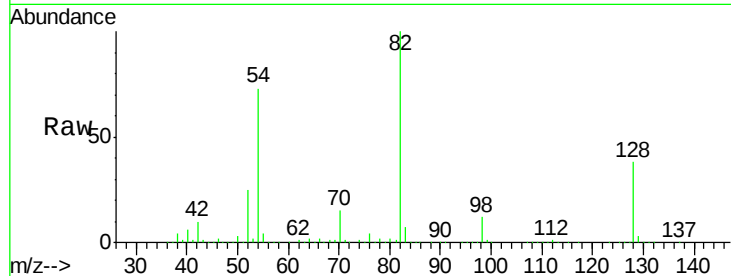




#23
Nitrobenzene-d5
Concen: 69.72 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.02 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

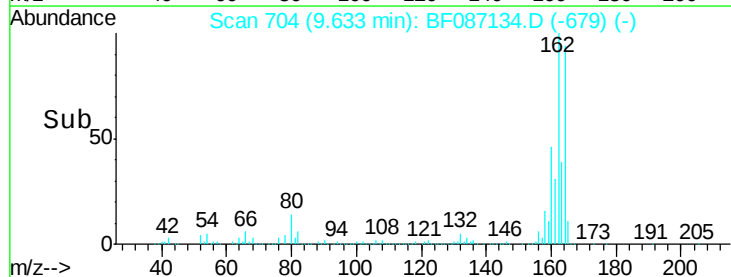
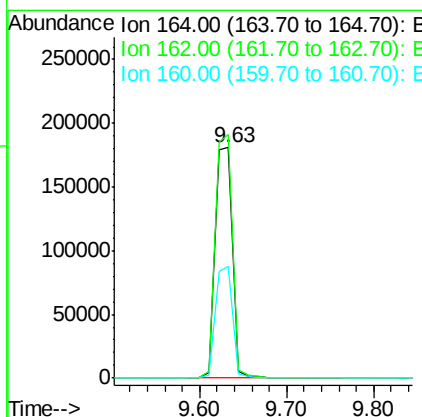
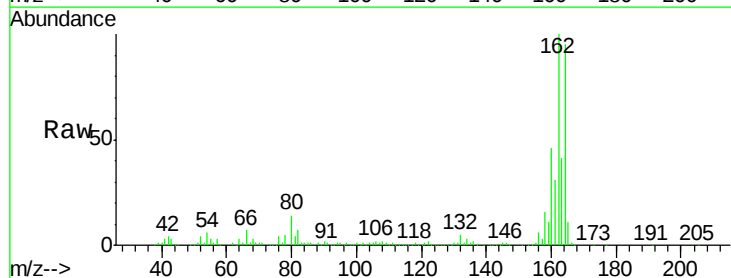
Instrument :
BNA_F
ClientSampleId :
PITT-1-N-WEST

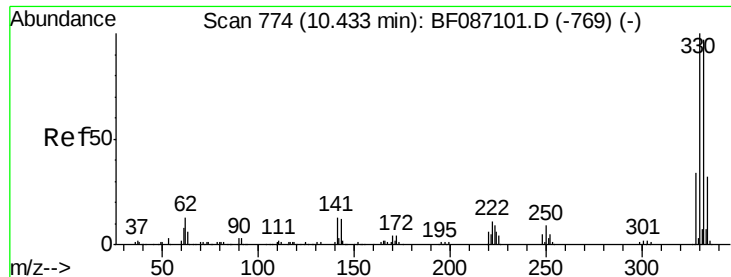
Tgt Ion: 82 Resp: 841168
Ion Ratio Lower Upper
82 100
128 37.5 40.6 61.0#
54 72.8 38.1 57.1#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Tgt Ion: 164 Resp: 257064
Ion Ratio Lower Upper
164 100
162 105.5 82.8 124.2
160 48.3 36.9 55.3

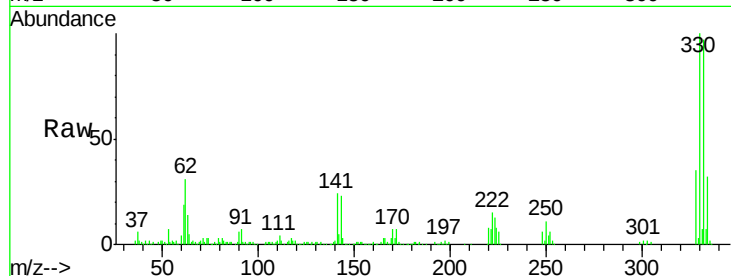




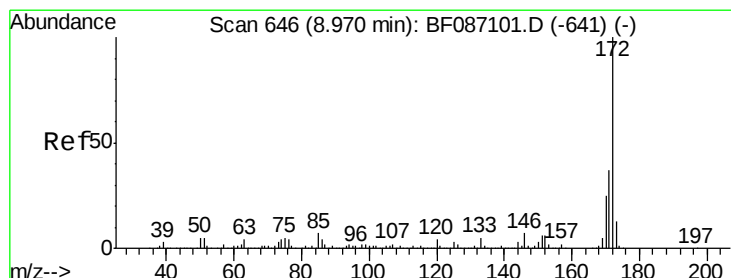
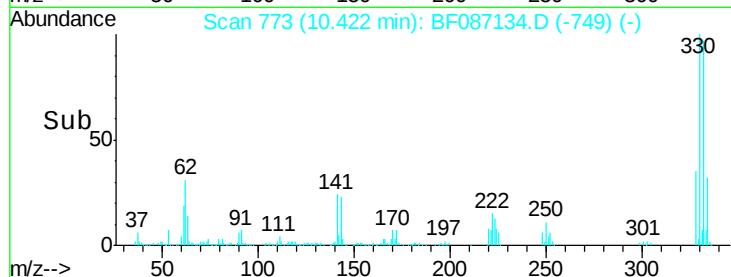
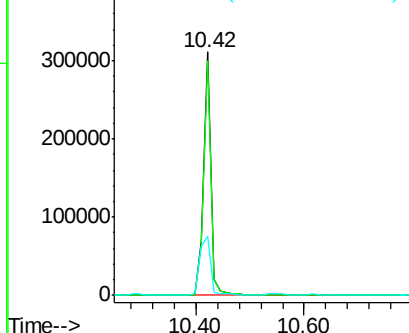
#41
 2,4,6-Tribromophenol
 Concen: 101.52 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 PITT-1-N-WEST

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.0	118.4
141	34.9	31.2	46.8

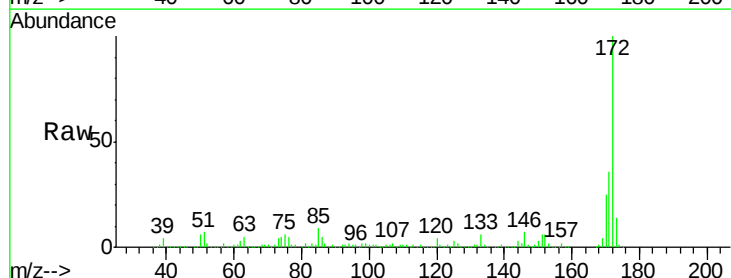


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

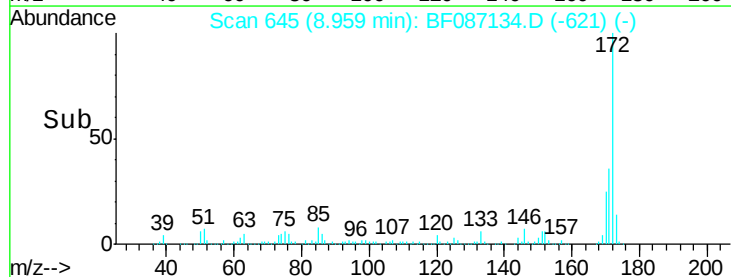
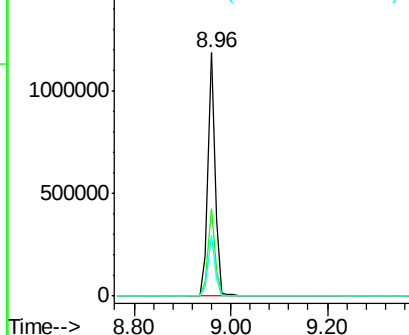


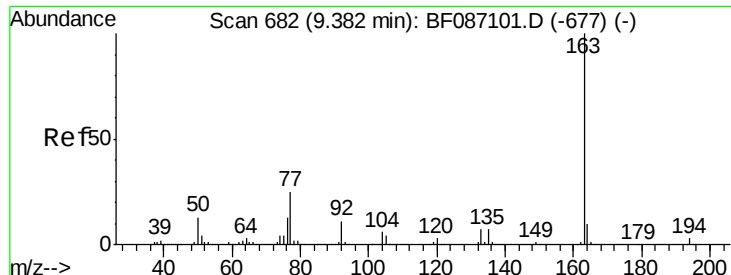
#44
 2-Fluorobiphenyl
 Concen: 80.07 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.7	19.8	29.8



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

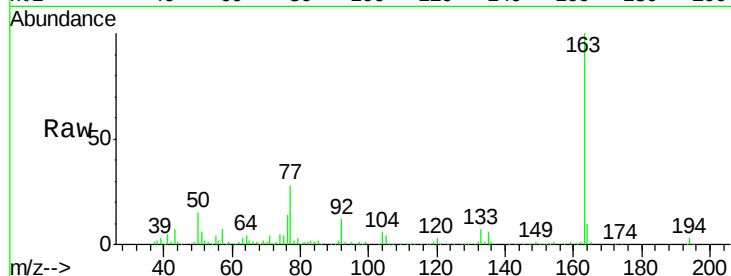




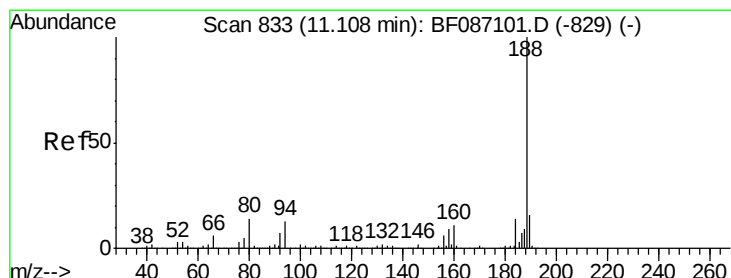
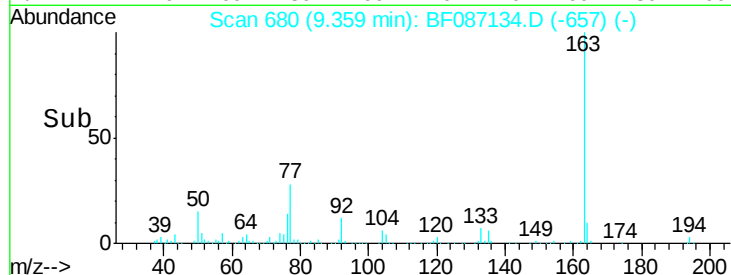
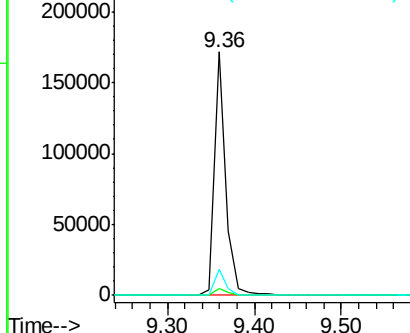
#49
Dimethylphthalate
Concen: 8.14 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Instrument :
BNA_F
ClientSampleId :
PITT-1-N-WEST

Tgt Ion:163 Resp: 159655
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 10.5 8.2 12.4

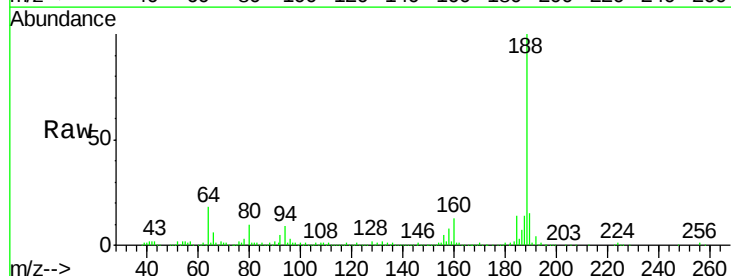


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

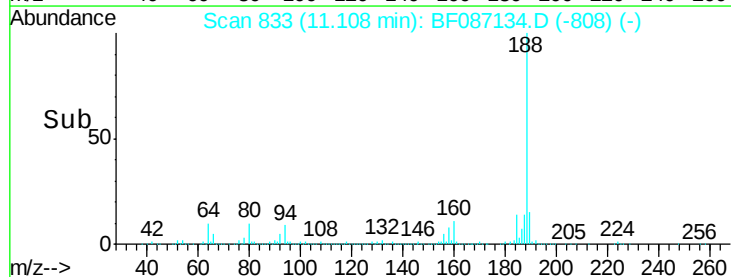
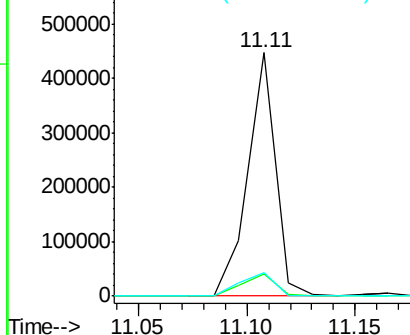


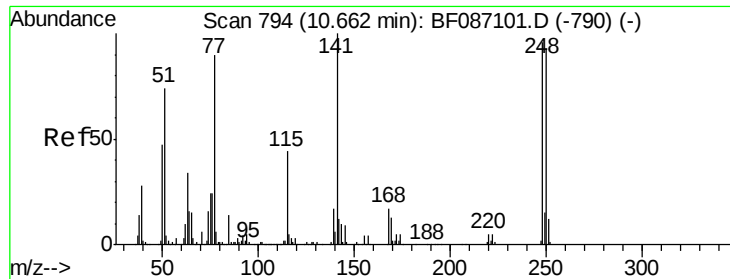
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Tgt Ion:188 Resp: 397351
Ion Ratio Lower Upper
188 100
94 9.1 6.8 10.2
80 9.7 7.1 10.7



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

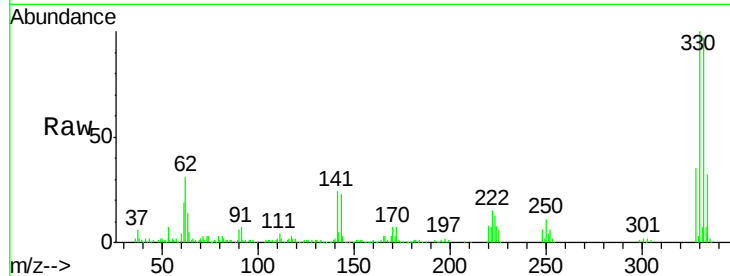




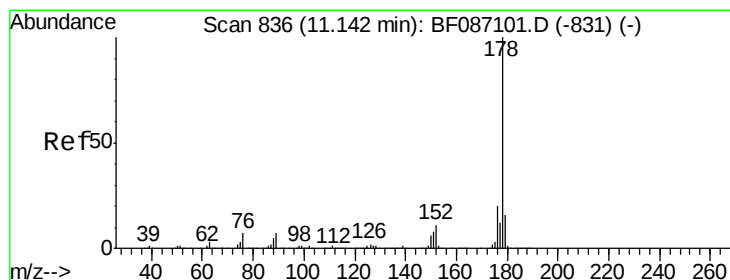
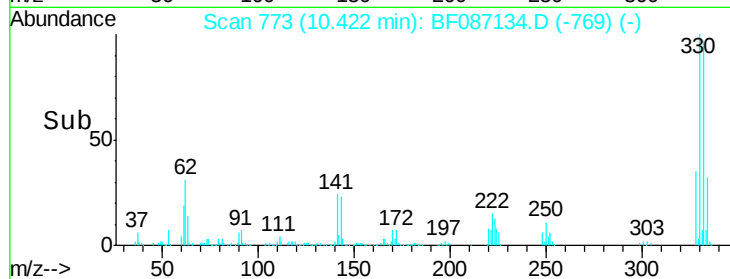
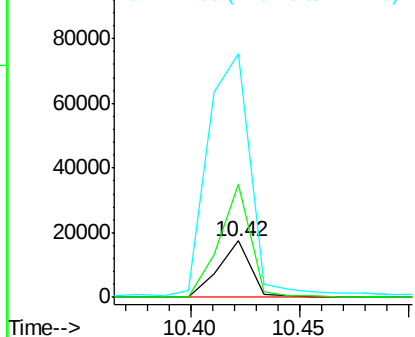
#66
 4-Bromophenyl-phenylether
 Concen: 4.39 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.25 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

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Tgt Ion:248 Resp: 17919
 Ion Ratio Lower Upper
 248 100
 250 200.9 78.6 117.8#
 141 431.3 76.0 114.0#

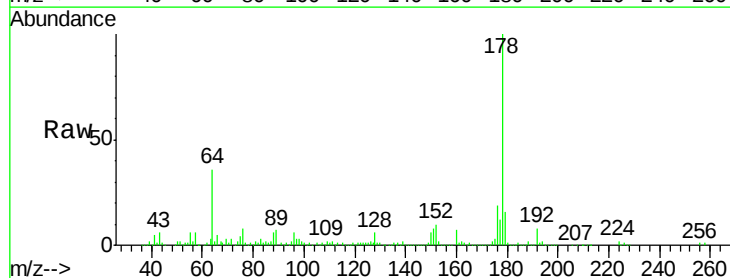


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

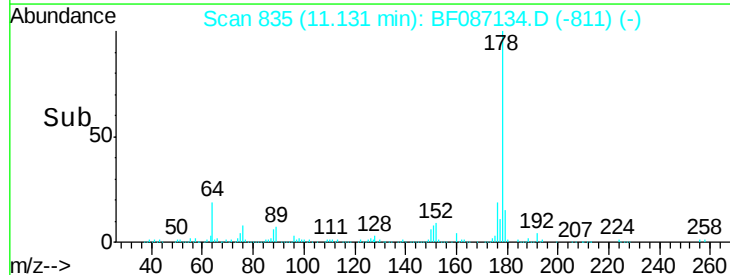
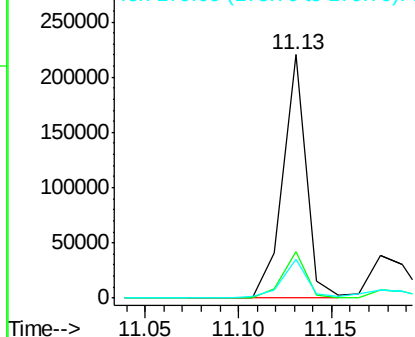


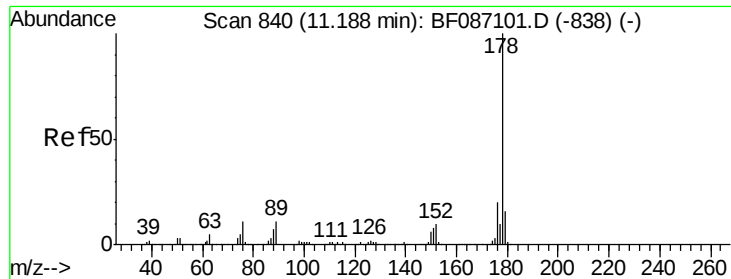
#70
 Phenanthrene
 Concen: 8.87 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.02 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Tgt Ion:178 Resp: 191133
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.0 24.0
 179 15.7 12.6 18.8



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

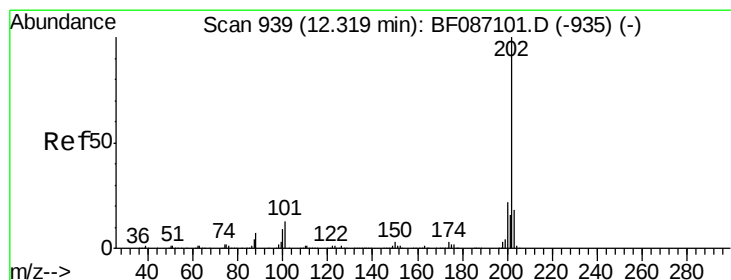
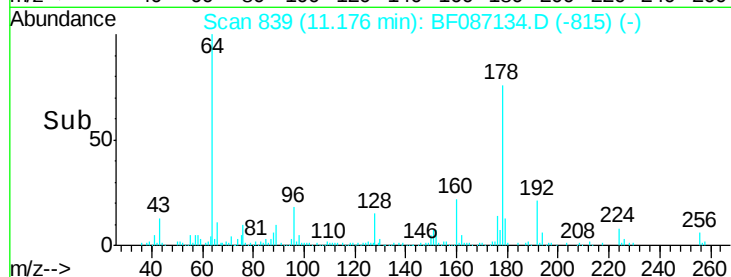
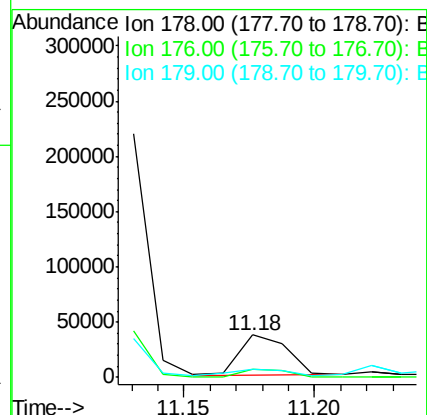
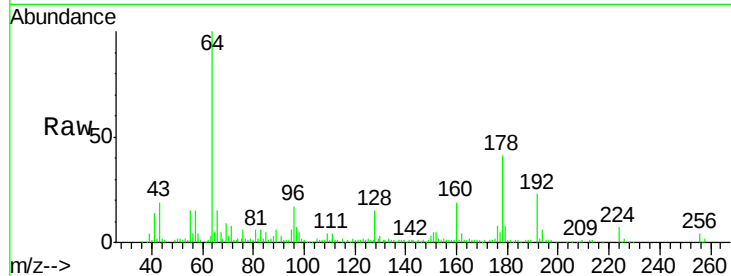




#71
 Anthracene
 Concen: 2.11 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.02 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

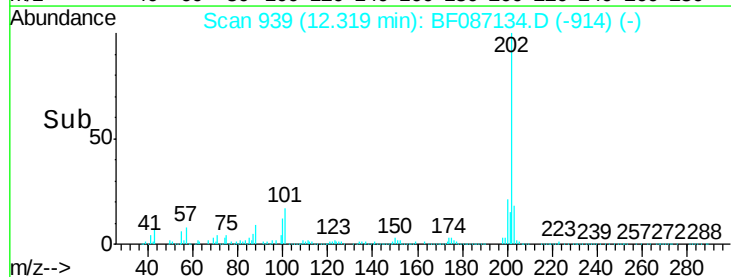
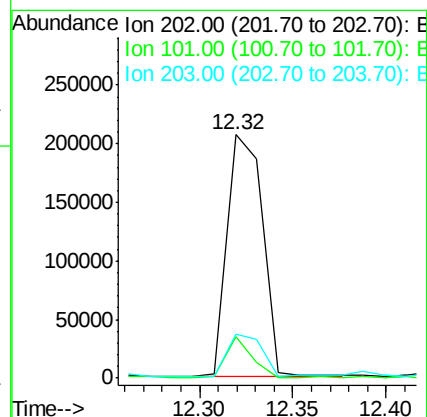
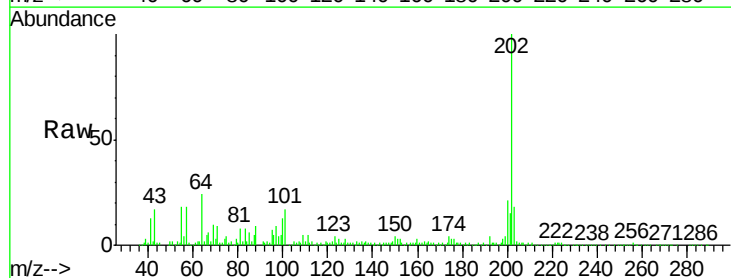
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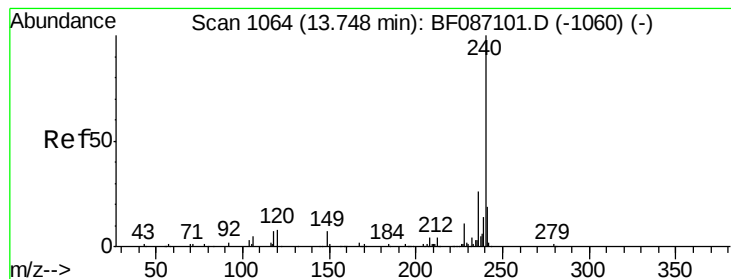
Tgt Ion:178 Resp: 45979
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.6 23.4
 179 18.6 12.7 19.1



#74
 Fluoranthene
 Concen: 12.78 ng
 RT: 12.32 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BF087134.D
 Acq: 18 May 2016 6:39

Tgt Ion:202 Resp: 276007
 Ion Ratio Lower Upper
 202 100
 101 16.8 0.0 35.4
 203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

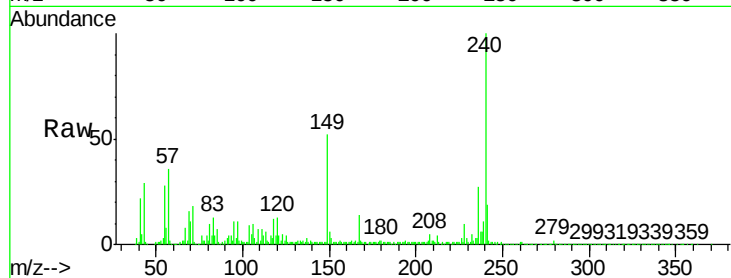
Tgt Ion:240 Resp: 297187

Ion Ratio Lower Upper

240 100

120 13.1 11.2 16.8

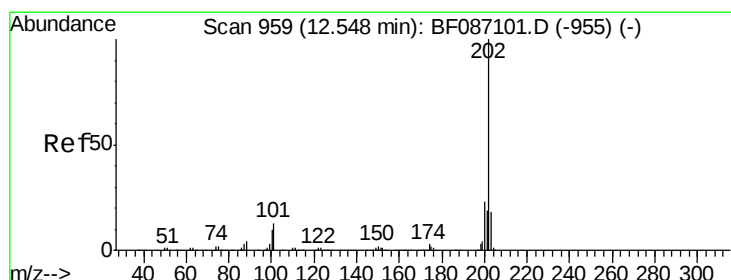
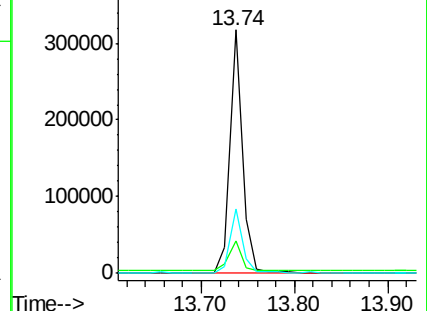
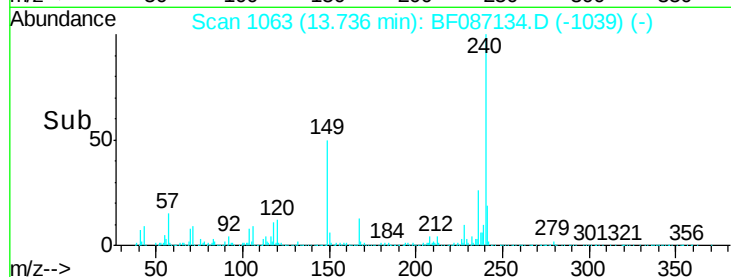
236 26.6 21.2 31.8



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: 11.28 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

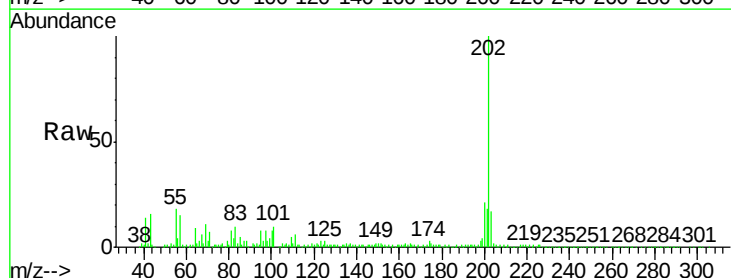
Tgt Ion:202 Resp: 242073

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

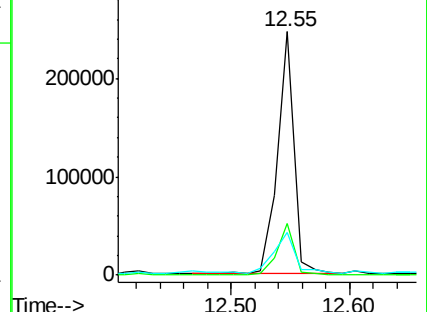
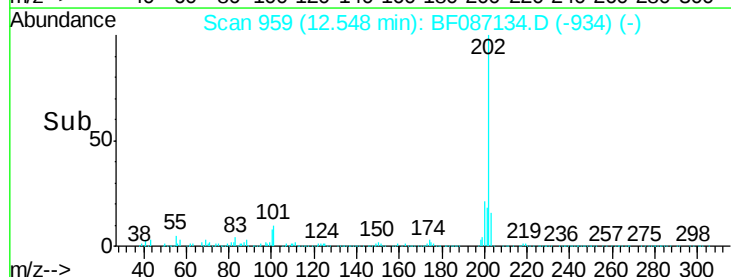
203 17.4 14.2 21.4

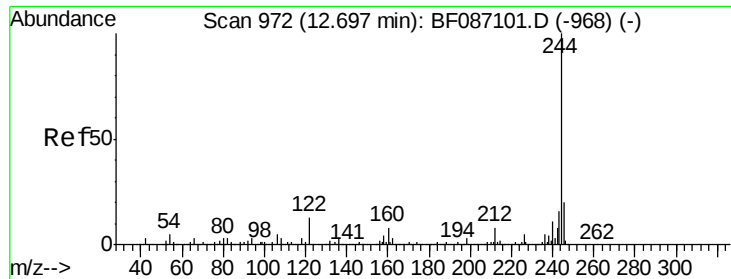


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.61 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

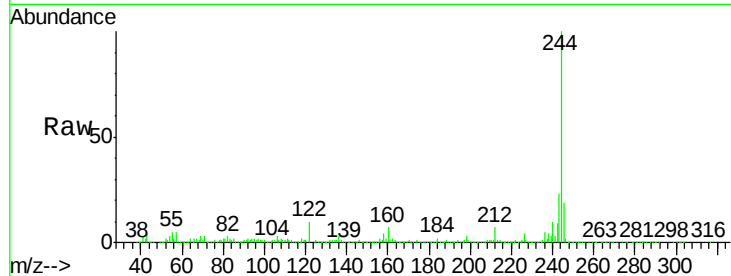
Tgt Ion:244 Resp: 927660

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

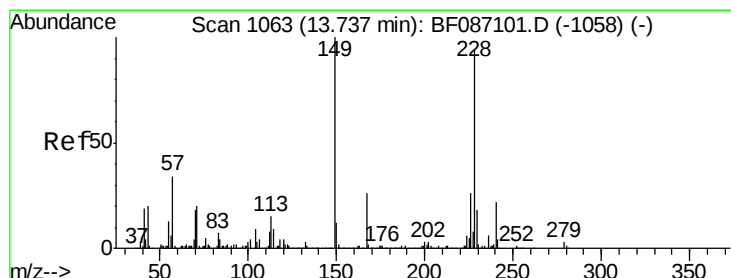
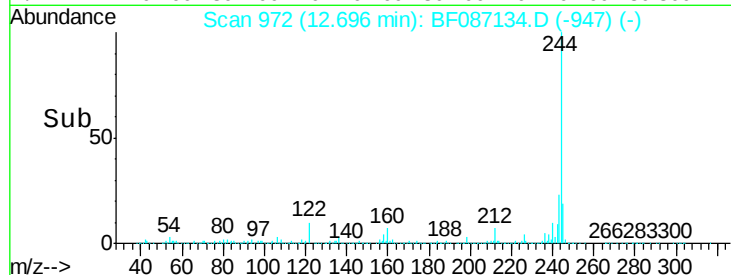
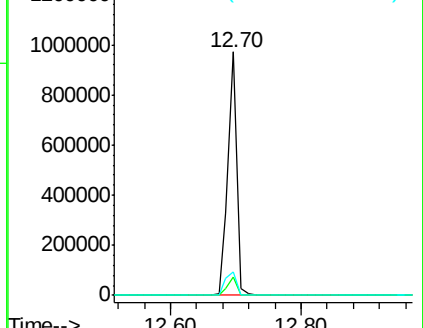
122 9.8 12.0 18.0#



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: 4.86 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

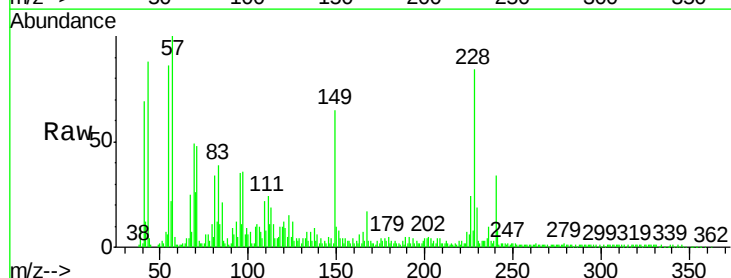
Tgt Ion:228 Resp: 83448

Ion Ratio Lower Upper

228 100

226 28.9 22.5 33.7

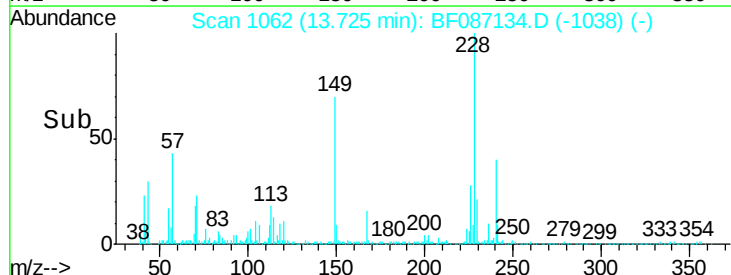
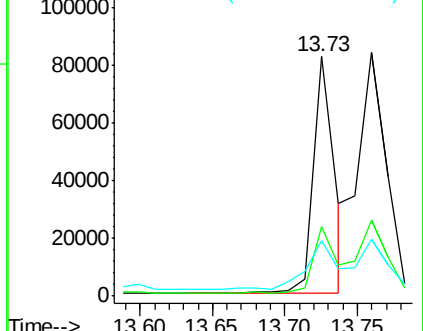
229 23.0 16.6 25.0

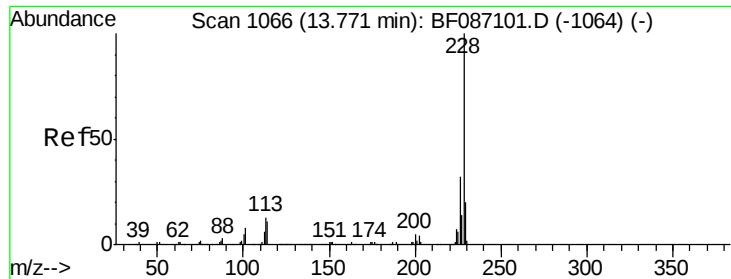


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.33 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

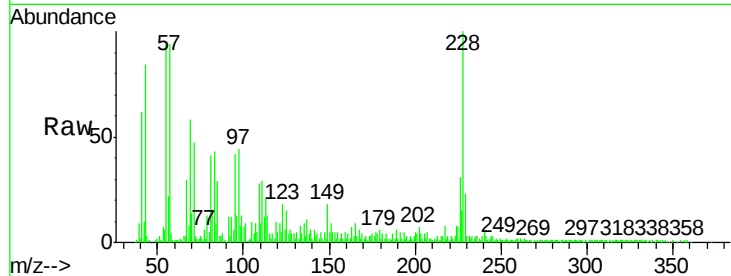
Tgt Ion: 228 Resp: 88669

Ion Ratio Lower Upper

228 100

226 31.4 24.4 36.6

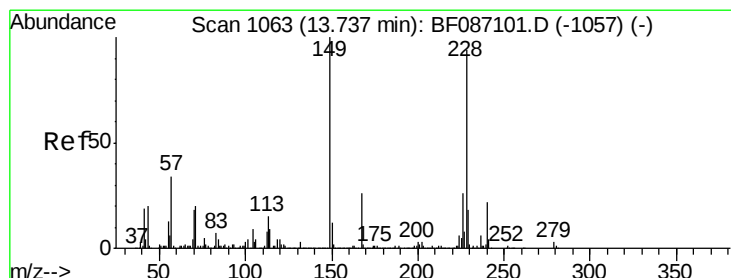
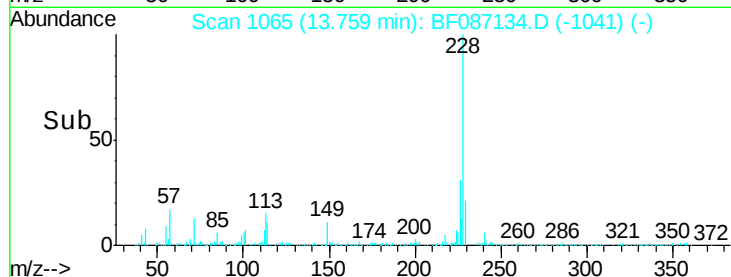
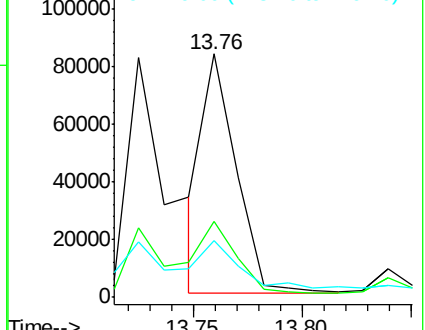
229 23.4 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 15.27 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

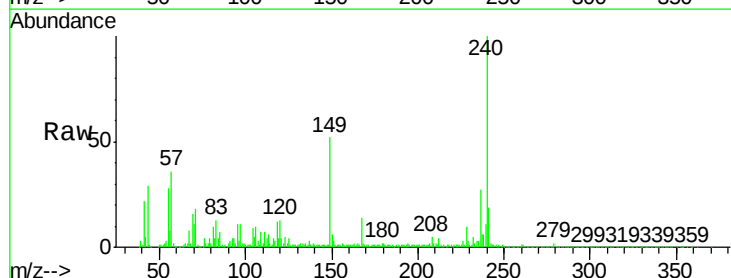
Tgt Ion: 149 Resp: 168382

Ion Ratio Lower Upper

149 100

167 26.2 21.8 32.6

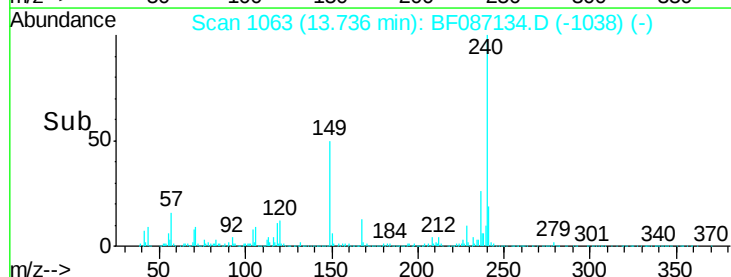
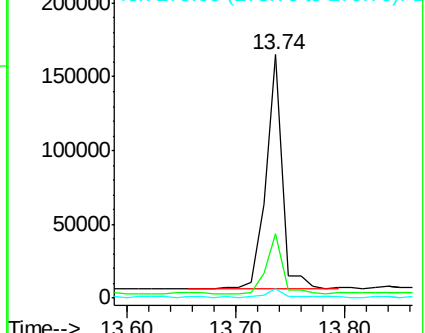
279 4.1 2.6 4.0#

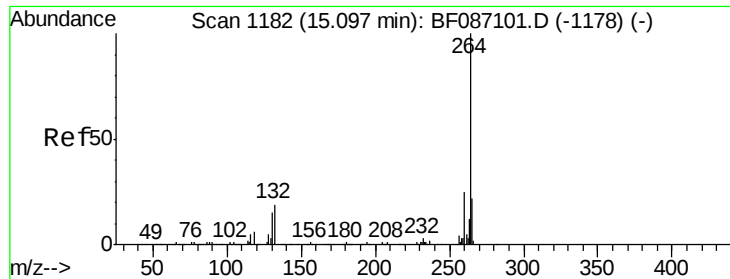


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

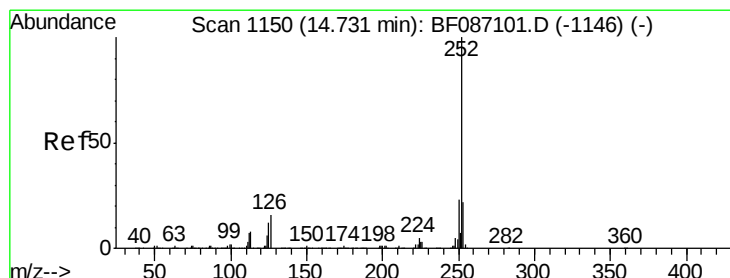
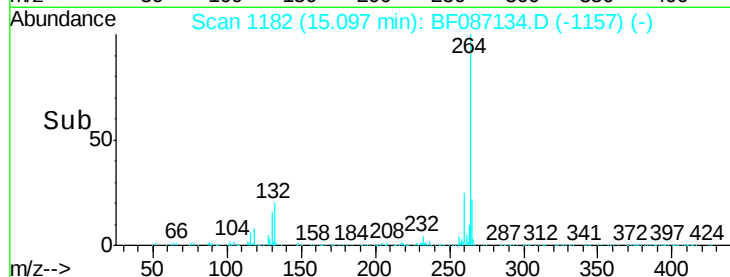
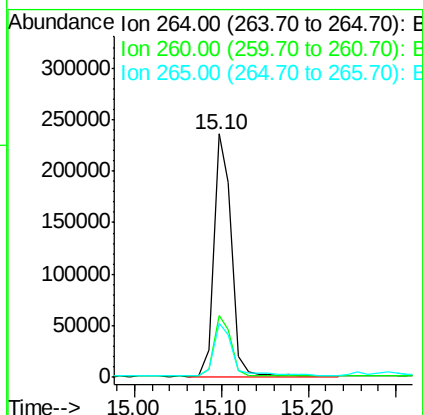
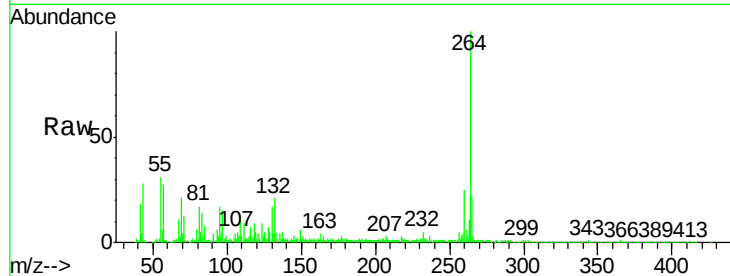




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

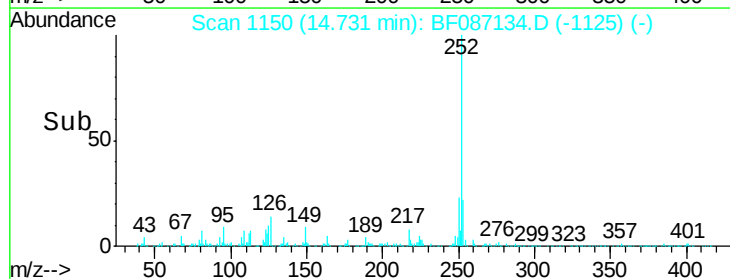
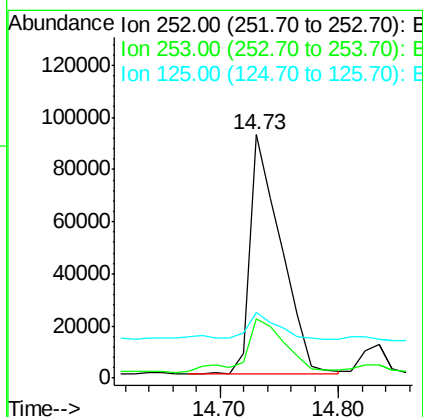
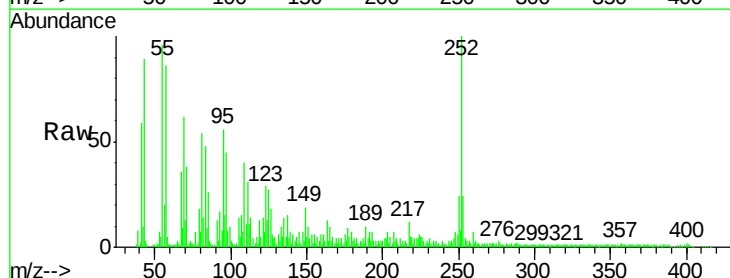
Instrument :
BNA_F
ClientSampleId :
PITT-1-N-WEST

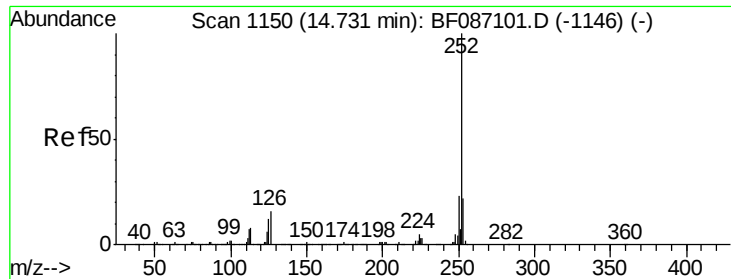
Tgt Ion:264 Resp: 330343
Ion Ratio Lower Upper
264 100
260 25.4 19.5 29.3
265 22.2 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 7.57 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF087134.D
Acq: 18 May 2016 6:39

Tgt Ion:252 Resp: 165904
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 26.9 11.4 17.0#





#88

Benzo(k)fluoranthene

Concen: 10.17 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.05 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

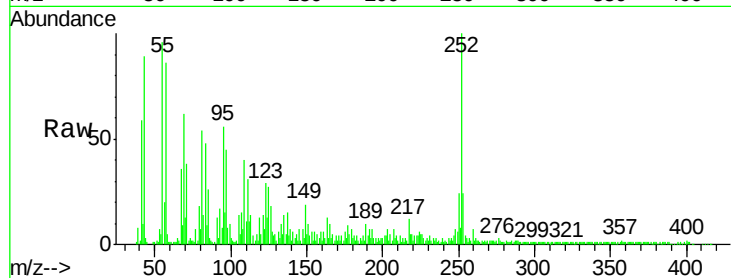
Tgt Ion:252 Resp: 165904

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

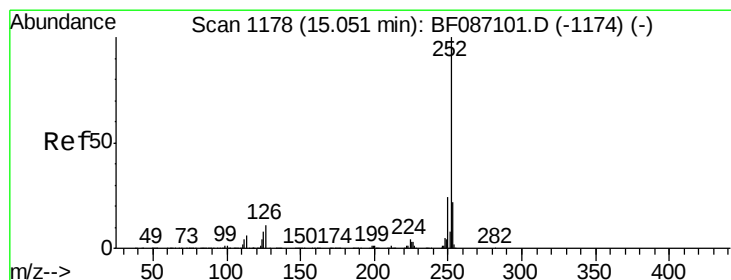
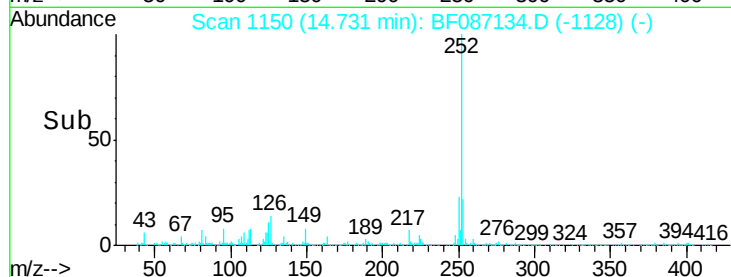
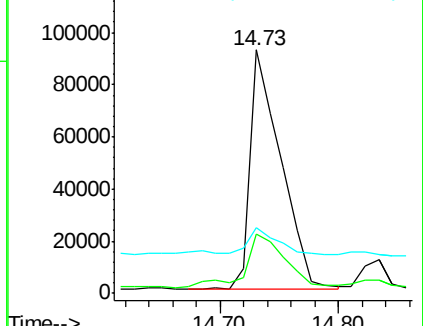
125 26.9 9.1 13.7#



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: 3.82 ng

RT: 15.05 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

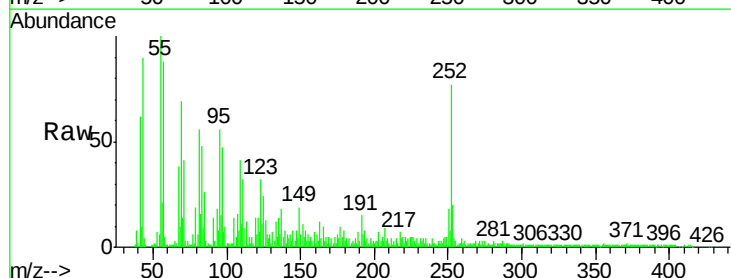
Tgt Ion:252 Resp: 70032

Ion Ratio Lower Upper

252 100

253 26.6 17.2 25.8#

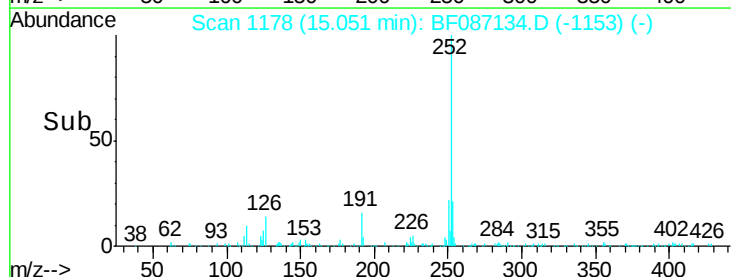
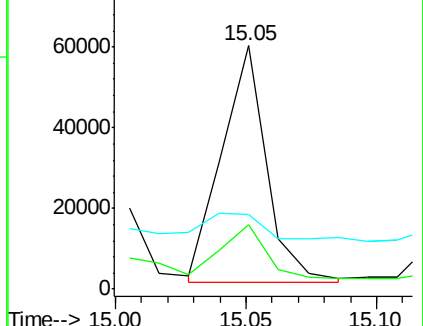
125 30.6 9.0 13.6#

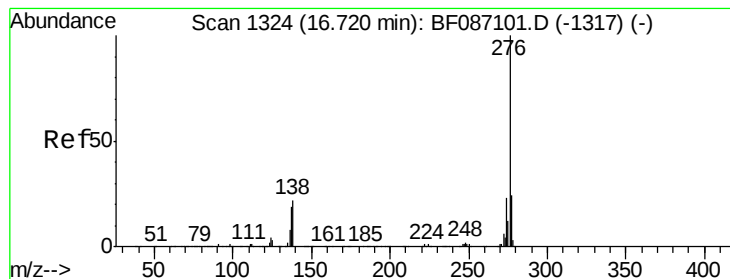


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.23 ng

RT: 16.72 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF087134.D

Acq: 18 May 2016 6:39

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

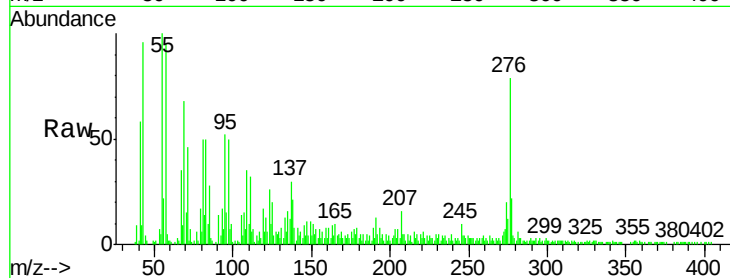
Tgt Ion: 276 Resp: 50328

Ion Ratio Lower Upper

276 100

277 27.7 19.6 29.4

138 26.2 23.6 35.4



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

