

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087071.D
 Acq On : 15 May 2016 15:57
 Operator : UM/SJ
 Sample : H3038-03
 Misc :
 ALS Vial : 90 Sample Multiplier: 1

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

Quant Time: May 16 04:58:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	130666	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	510661	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	212418	20.00	ng	-0.09
63) Phenanthrene-d10	11.13	188	331013	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	284367	20.00	ng	-0.08
86) Perylene-d12	15.13	264	268980	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	866354	112.29	ng	-0.08
7) Phenol-d6	6.28	99	1167096	113.18	ng	-0.08
23) Nitrobenzene-d5	7.19	82	756996	74.43	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	226519	100.73	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1189649	94.13	ng	-0.08
78) Terphenyl-d14	12.72	244	834078	62.23	ng	-0.08

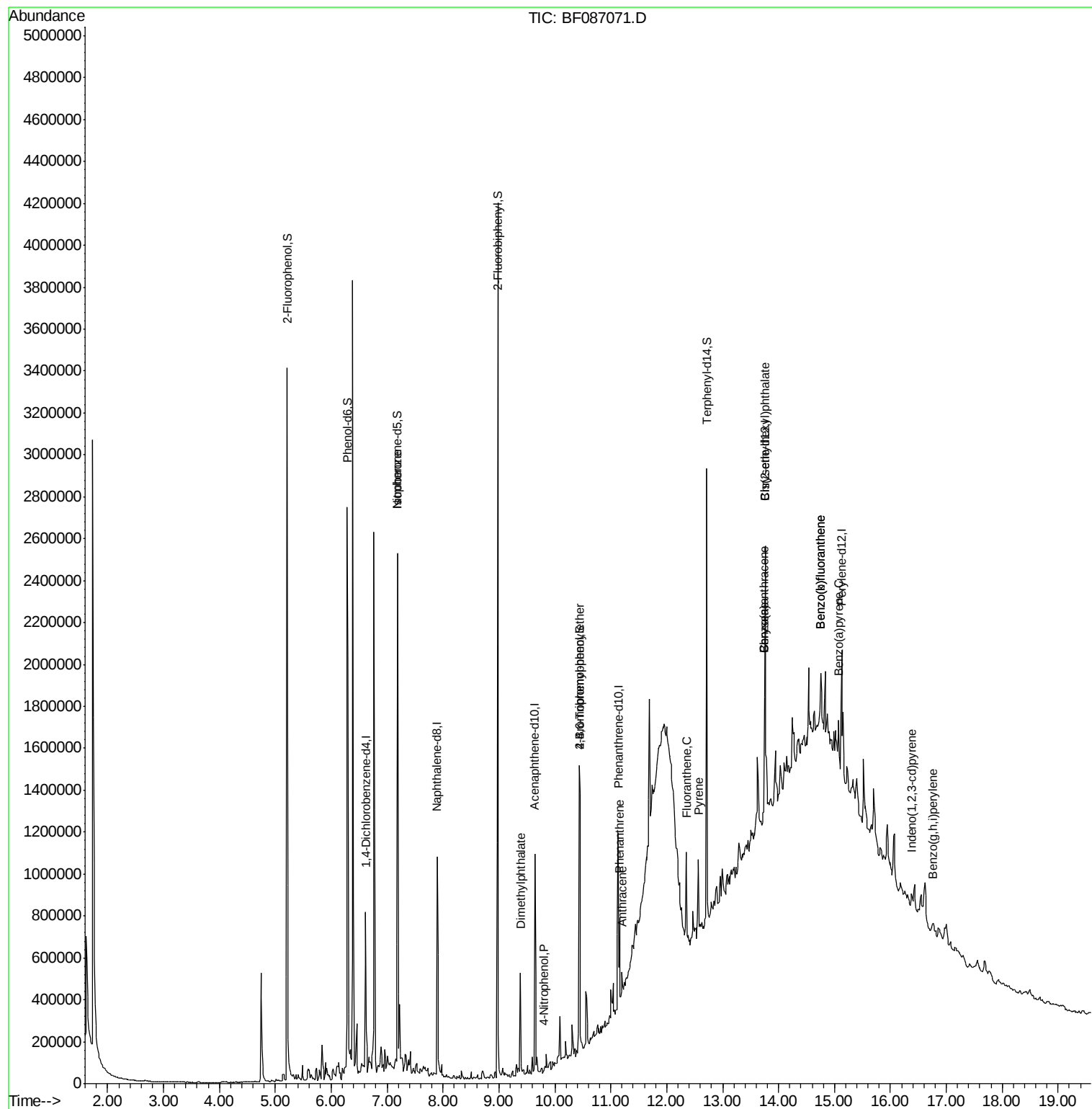
Target Compounds						Qvalue
25) Isophorone	7.19	82	752382	39.87	ng	# 69
49) Dimethylphthalate	9.38	163	147235	9.09	ng	98
55) 4-Nitrophenol	9.80	139	226	4.65	ng	# 1
60) 4-Chlorophenyl-phenylether	10.01	204	483	Below Cal		# 33
66) 4-Bromophenyl-phenylether	10.44	248	12928	3.85	ng	# 1
70) Phenanthrene	11.15	178	156824	8.88	ng	99
71) Anthracene	11.20	178	39298	2.18	ng	96
74) Fluoranthene	12.35	202	250983	13.81	ng	90
77) Pyrene	12.57	202	216884	9.96	ng	98
80) Benzo(a)anthracene	13.75	228	76989	4.82	ng	96
82) Chrysene	13.75	228	76989	4.74	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.76	149	153033	13.82	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.39	276	32688	2.42	ng	# 86
87) Benzo(b)fluoranthene	14.75	252	145002	8.29	ng	# 83
88) Benzo(k)fluoranthene	14.75	252	145002	10.13	ng	# 81
89) Benzo(a)pyrene	15.07	252	56795	3.77	ng	# 72
91) Benzo(g,h,i)perylene	16.75	276	32570	2.52	ng	# 90

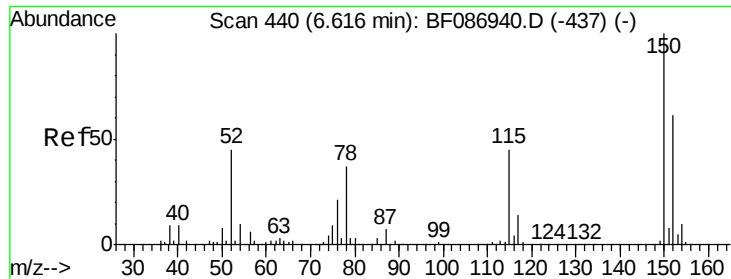
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.08 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

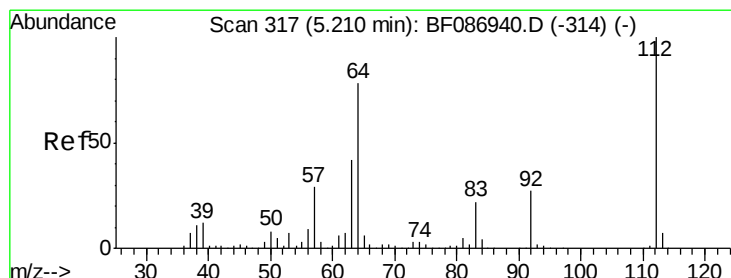
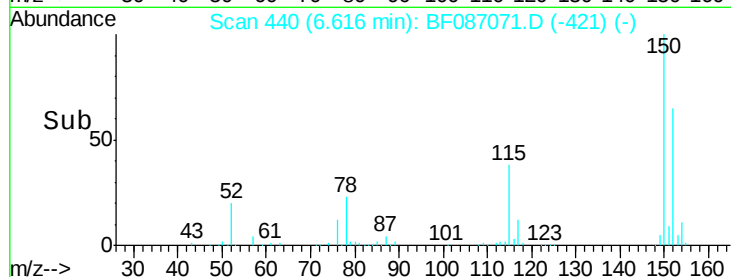
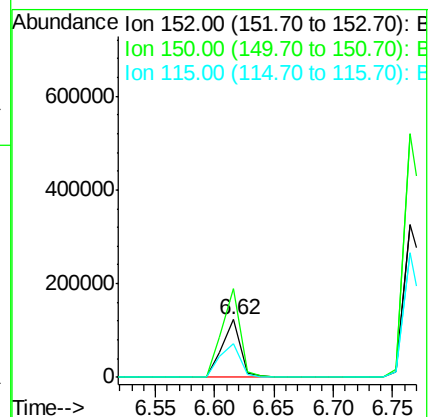
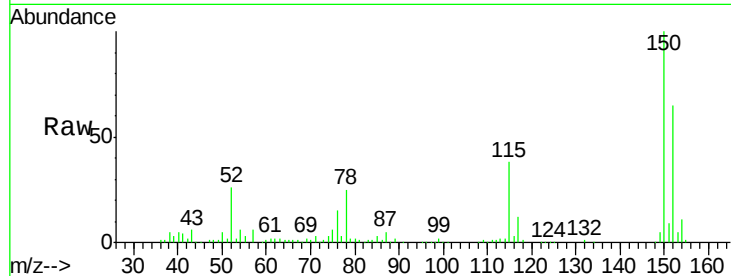
Tgt Ion:152 Resp: 130666

Ion Ratio Lower Upper

152 100

150 153.6 125.8 188.6

115 58.7 51.5 77.3



#5

2-Fluorophenol

Concen: 112.29 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

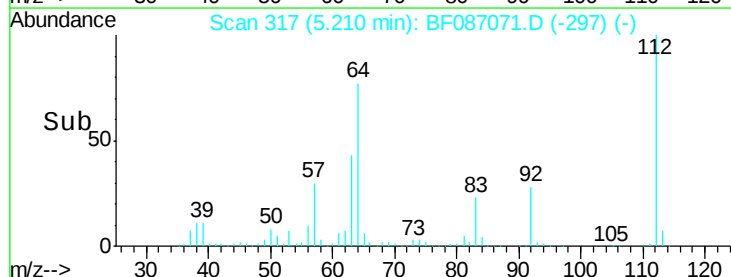
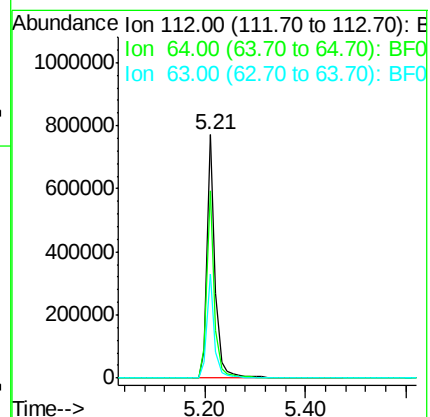
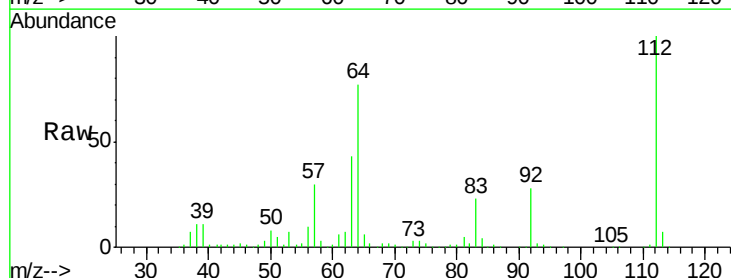
Tgt Ion:112 Resp: 866354

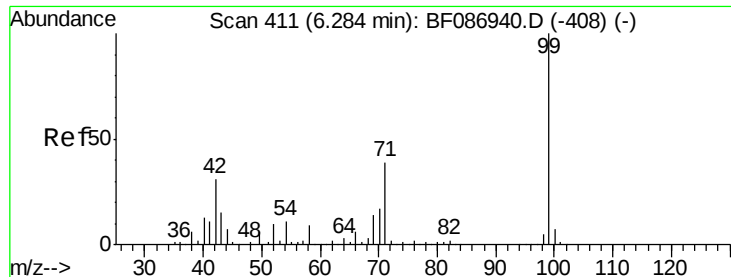
Ion Ratio Lower Upper

112 100

64 77.1 52.1 78.1

63 42.8 25.7 38.5#





#7

Phenol-d6

Concen: 113.18 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

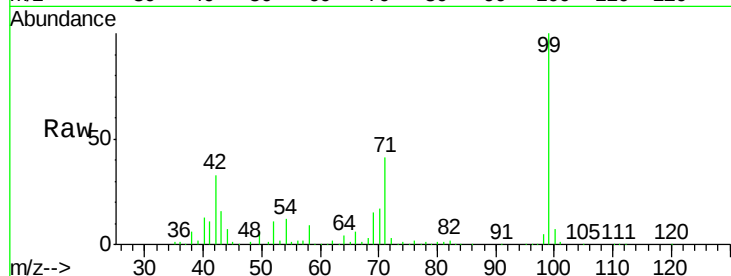
Tgt Ion: 99 Resp: 1167096

Ion Ratio Lower Upper

99 100

42 33.1 13.6 20.4#

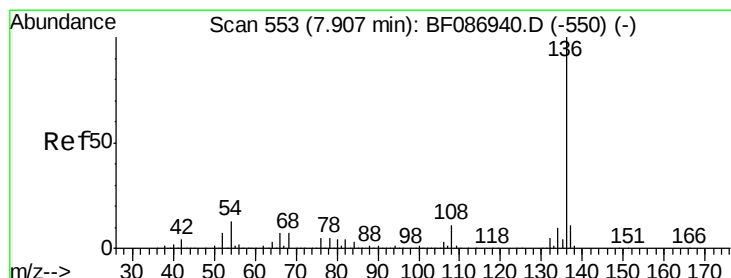
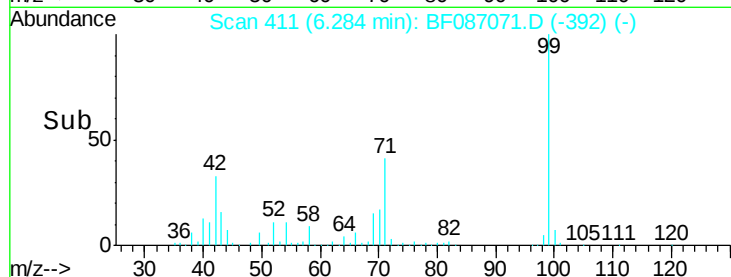
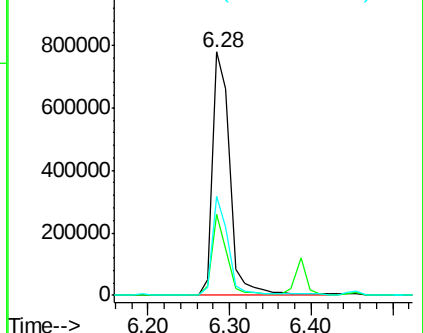
71 40.6 24.6 36.8#



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: 7.90 min Scan# 552

Delta R.T. -0.09 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Tgt Ion: 136 Resp: 510661

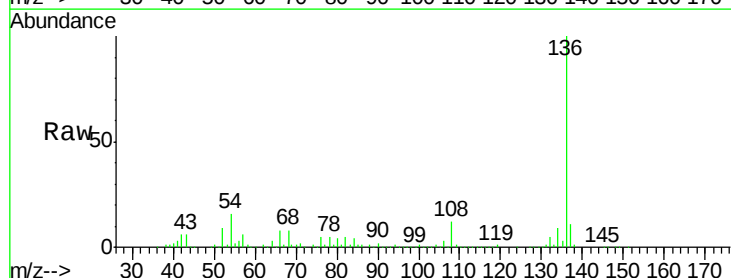
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 15.7 5.0 7.4#

68 7.7 4.4 6.6#

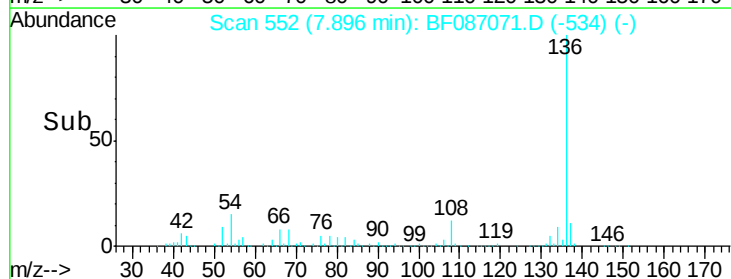
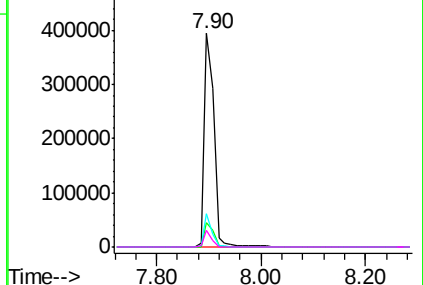


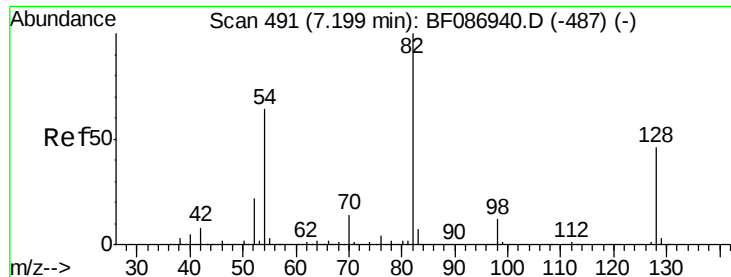
Abundance Ion 136.00 (135.70 to 136.70): E

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

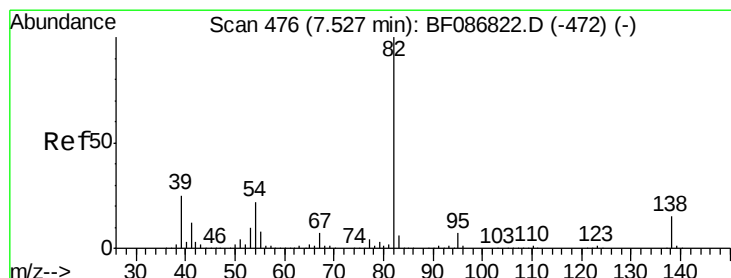
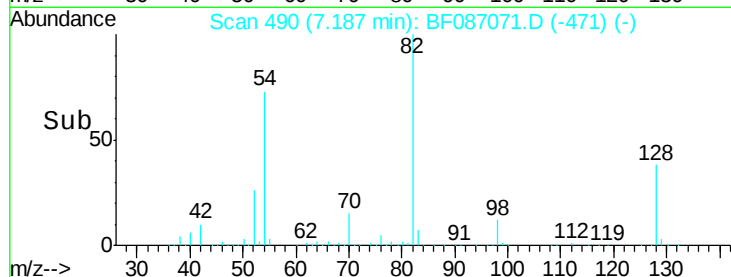
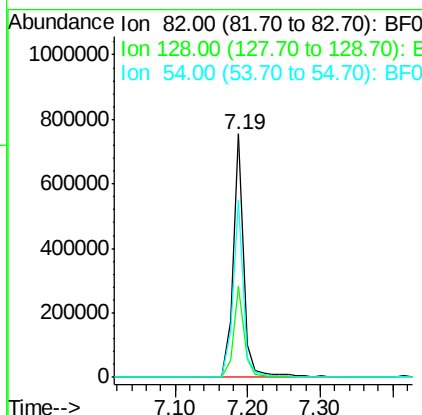
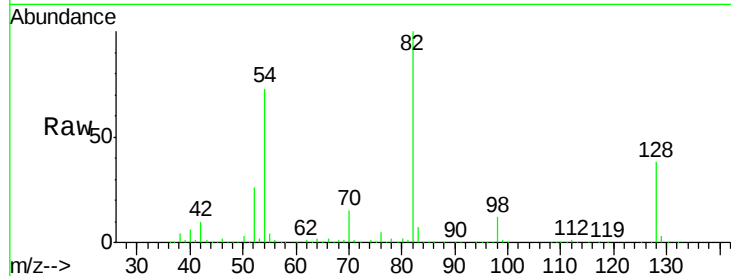




#23
 Nitrobenzene-d5
 Concen: 74.43 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.08 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

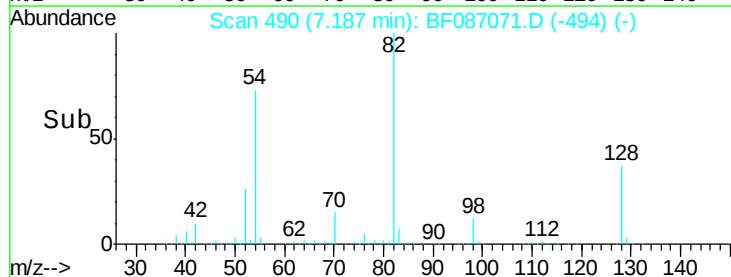
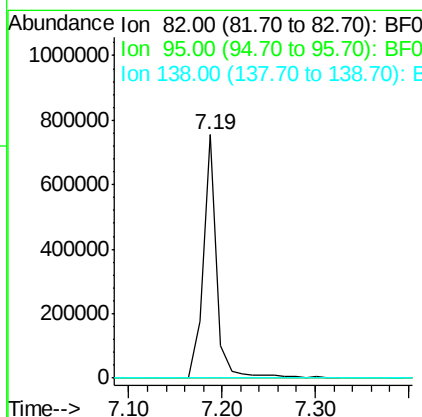
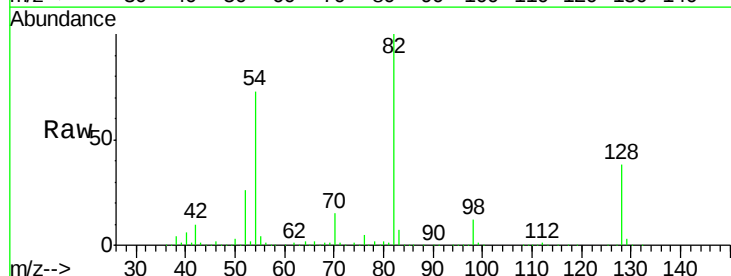
Instrument :
 BNA_F
 ClientSampleId :
 PITT-1-N-WEST

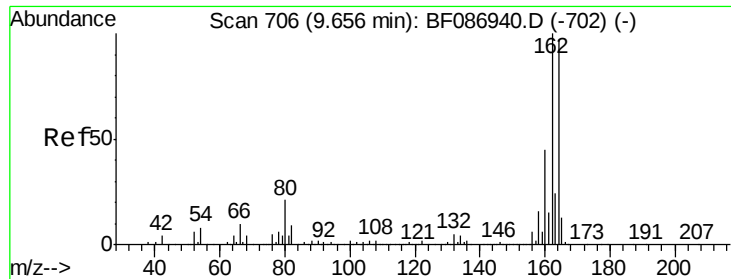
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.5	40.6	61.0#
54	72.9	38.1	57.1#



#25
 Isophorone
 Concen: 39.87 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.34 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.1	7.7#
138	0.0	12.4	18.6#

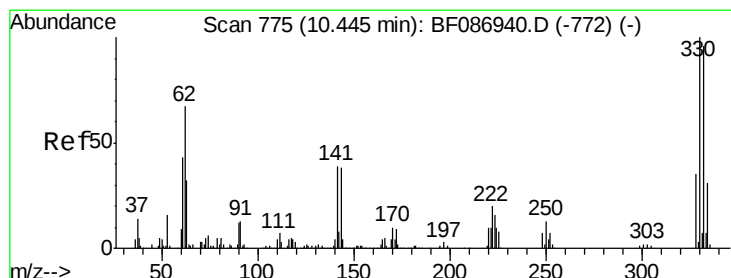
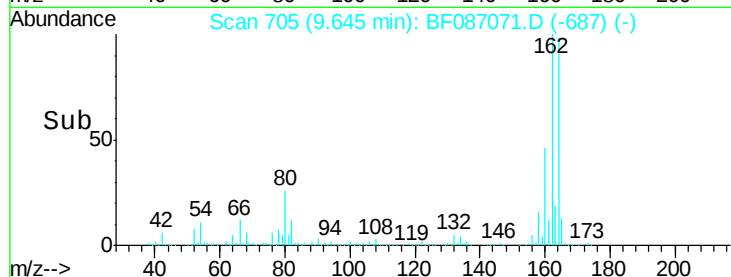
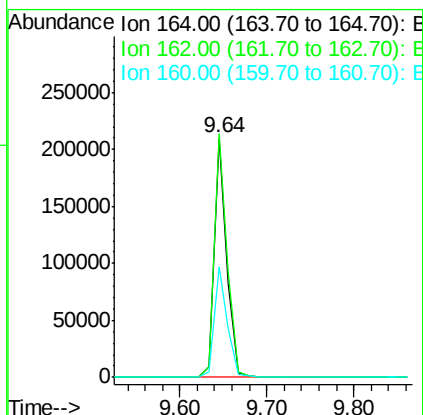
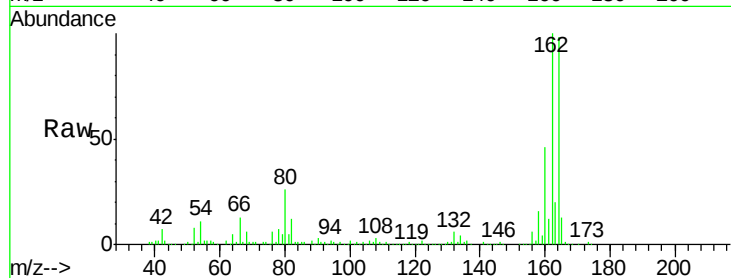




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.09 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

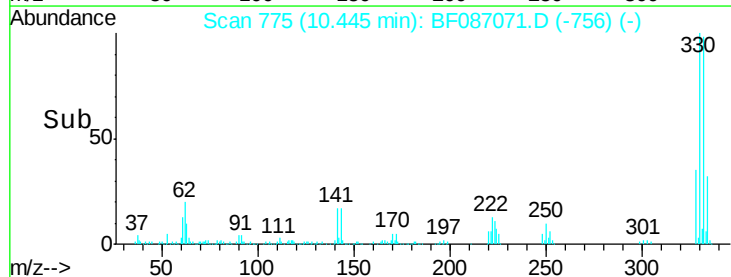
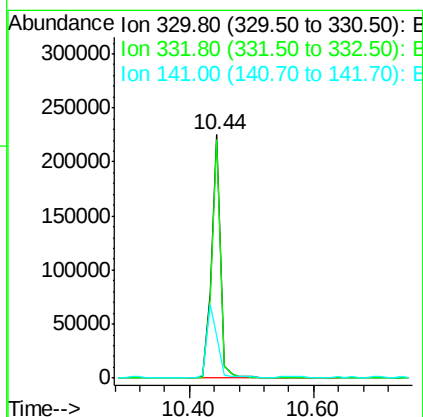
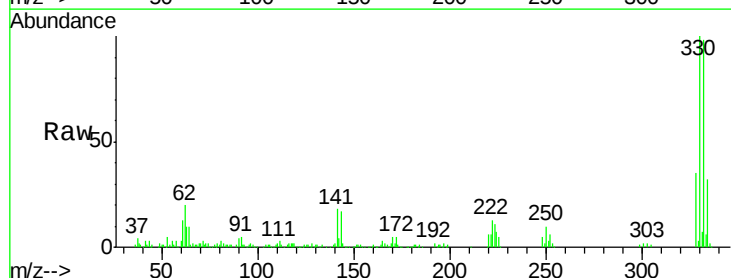
Instrument :
 BNA_F
 ClientSampleId :
 PITT-1-N-WEST

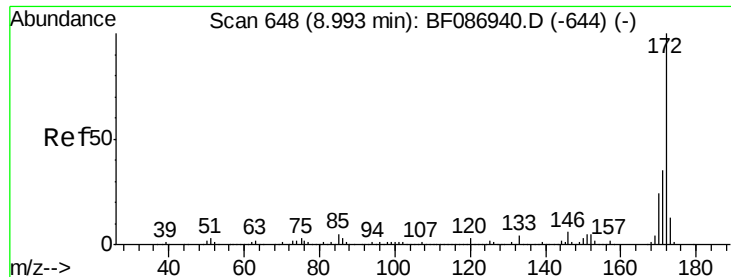
Tgt Ion:164 Resp: 212418
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.8 124.2
 160 46.4 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 100.73 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

Tgt Ion:330 Resp: 226519
 Ion Ratio Lower Upper
 330 100
 332 96.7 79.0 118.4
 141 34.6 31.2 46.8

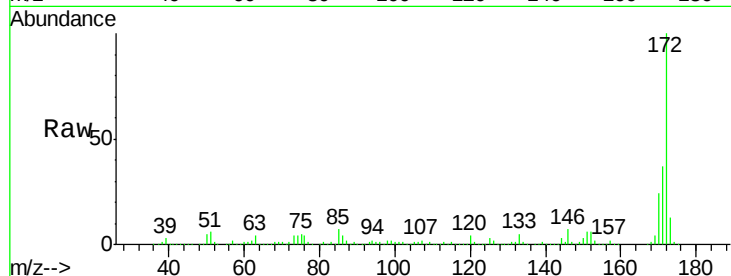




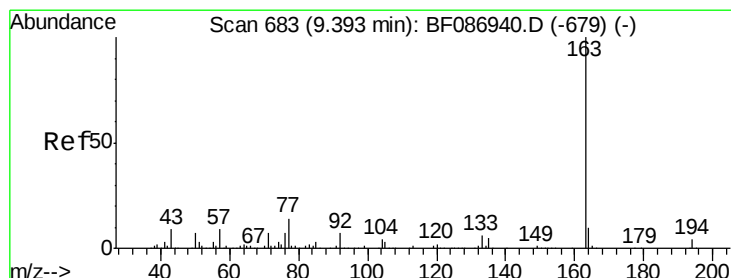
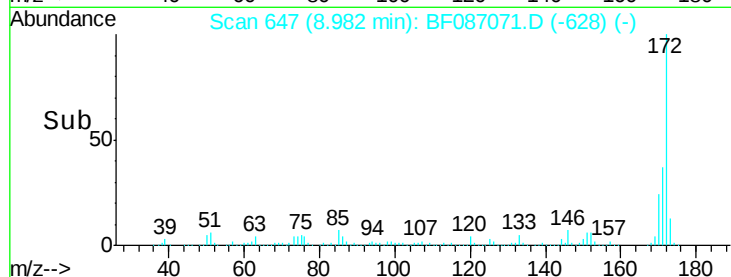
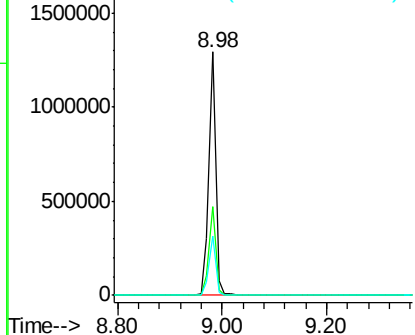
#44
 2-Fluorobiphenyl
 Concen: 94.13 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

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

Tgt Ion:172 Resp: 1189649
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.0 43.6
 170 24.3 19.8 29.8

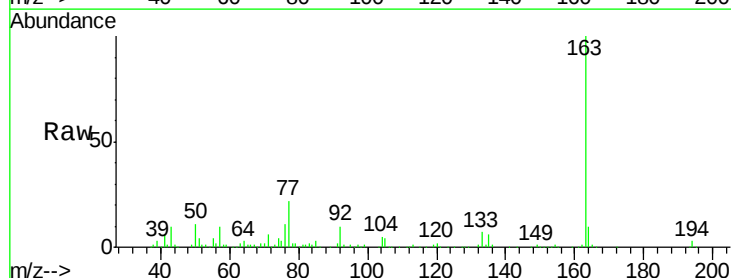


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

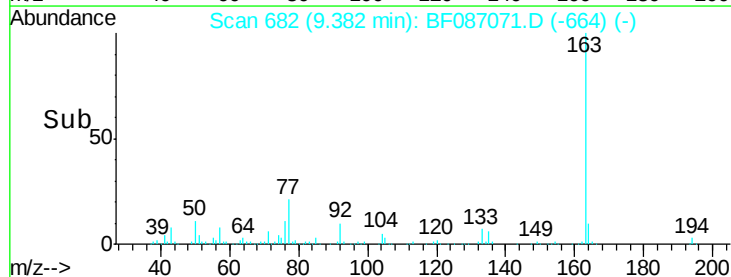
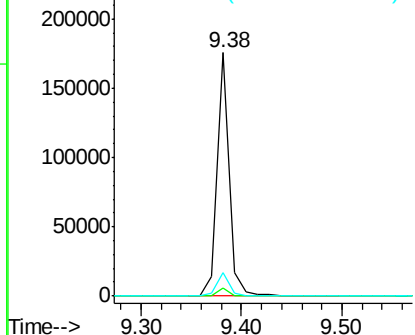


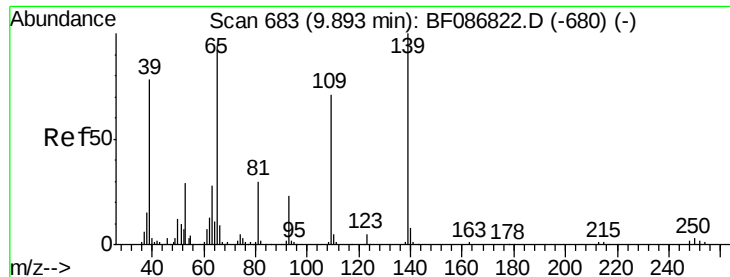
#49
 Dimethylphthalate
 Concen: 9.09 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.09 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

Tgt Ion:163 Resp: 147235
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 9.6 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





#55

4-Nitrophenol

Concen: 4.65 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.09 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

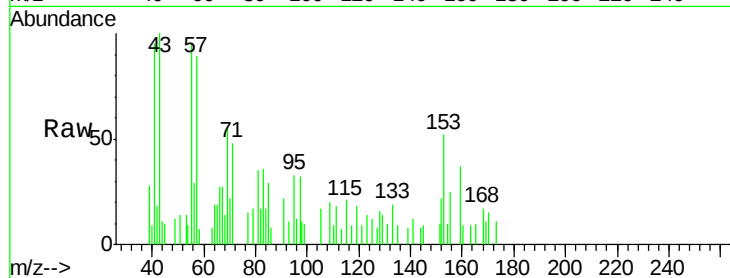
Tgt Ion:139 Resp: 226

Ion Ratio Lower Upper

139 100

109 255.6 36.9 76.9#

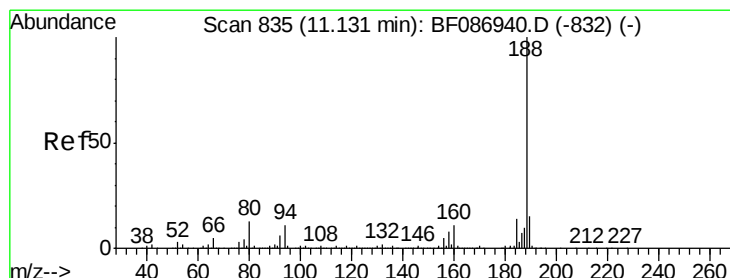
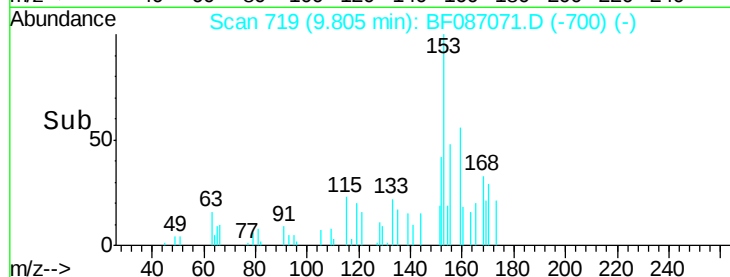
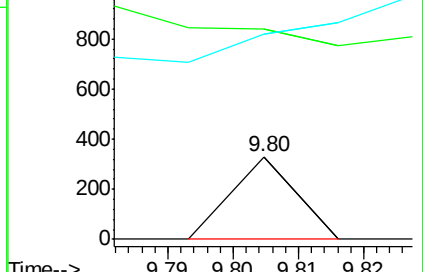
65 249.8 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.08 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

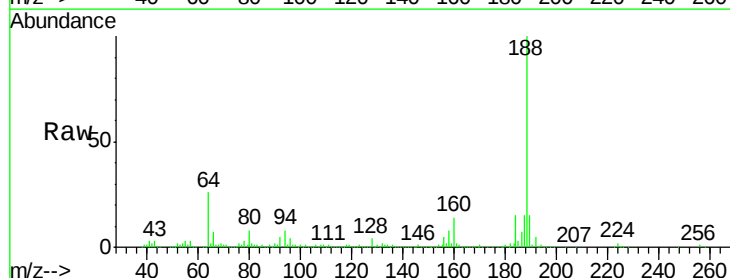
Tgt Ion:188 Resp: 331013

Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

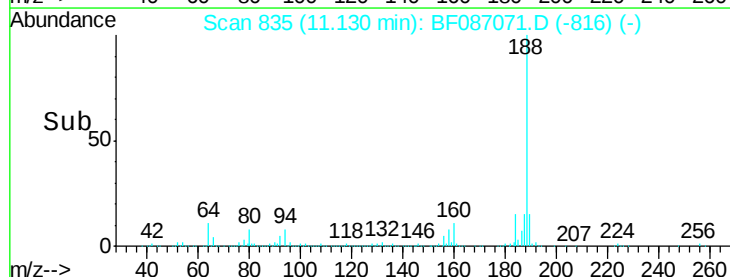
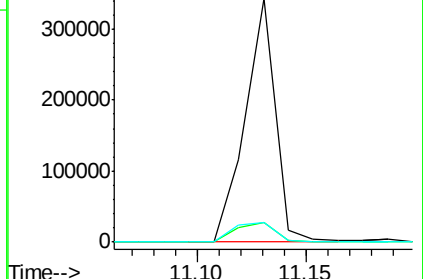
80 8.2 7.1 10.7

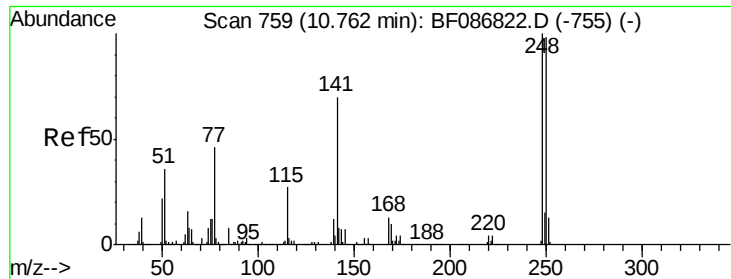


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

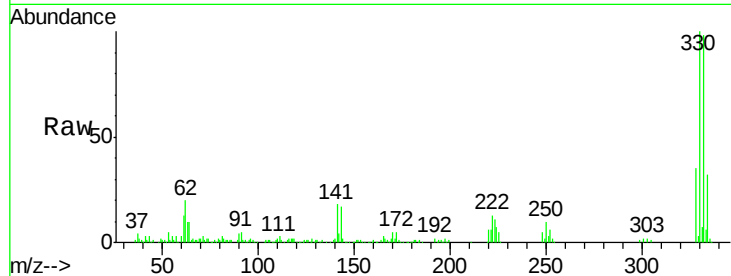




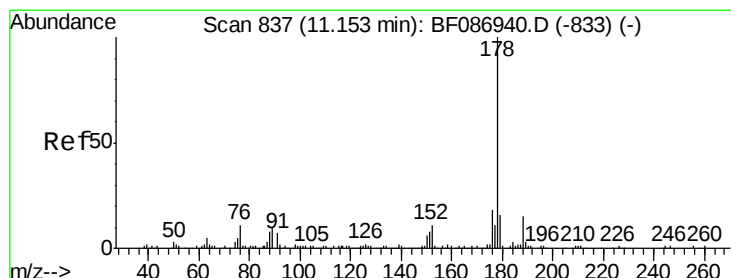
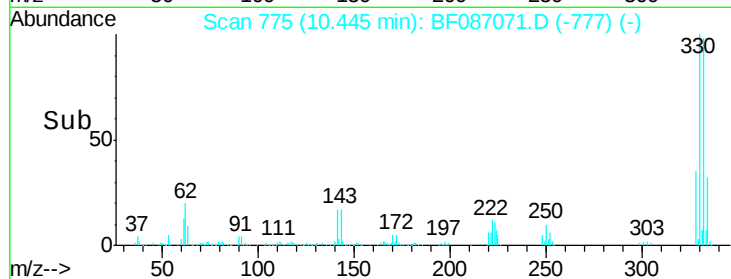
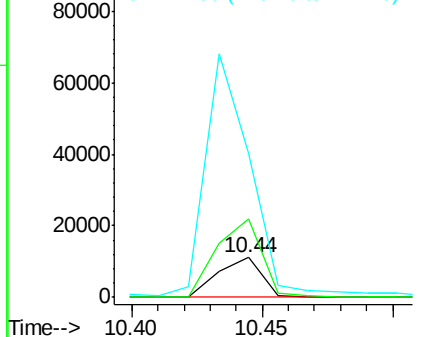
#66
 4-Bromophenyl-phenylether
 Concen: 3.85 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.32 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

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

Tgt Ion:248 Resp: 12928
 Ion Ratio Lower Upper
 248 100
 250 198.5 78.6 117.8#
 141 360.5 76.0 114.0#

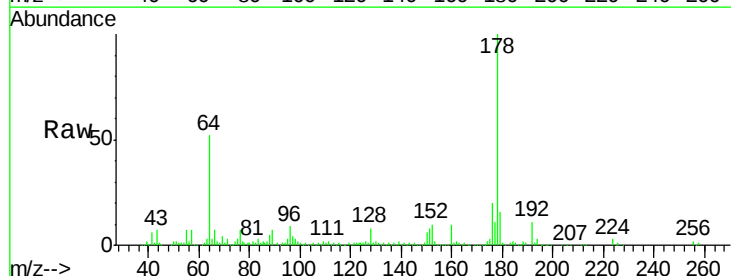


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

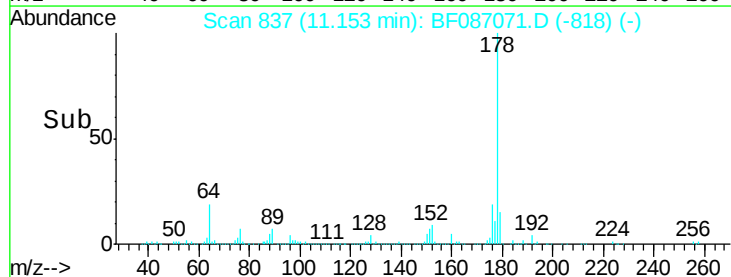
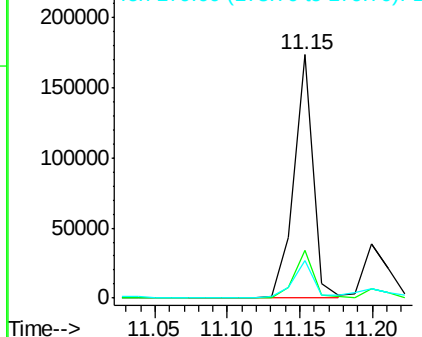


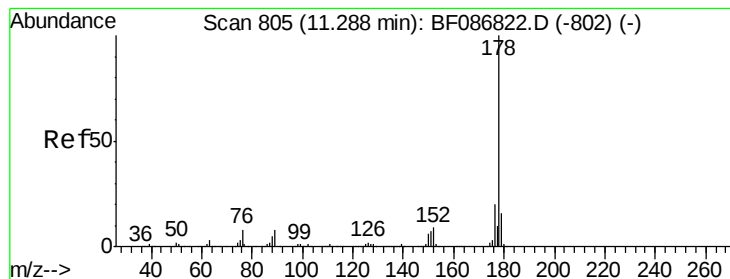
#70
 Phenanthrene
 Concen: 8.88 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.08 min
 Lab File: BF087071.D
 Acq: 15 May 2016 15:57

Tgt Ion:178 Resp: 156824
 Ion Ratio Lower Upper
 178 100
 176 19.5 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: 2.18 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.09 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

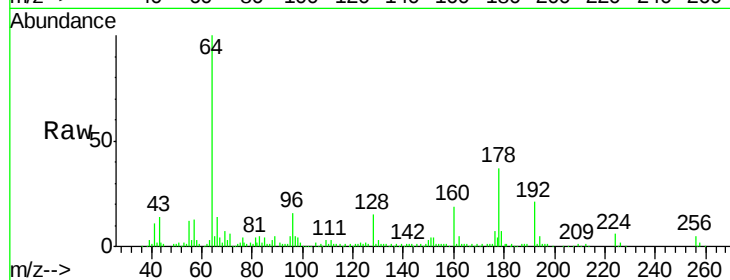
Tgt Ion:178 Resp: 39298

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

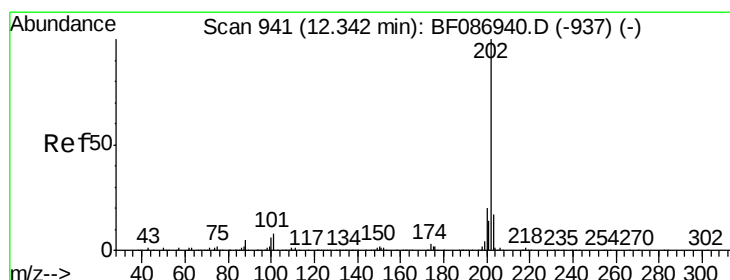
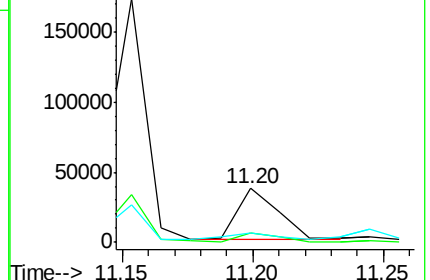
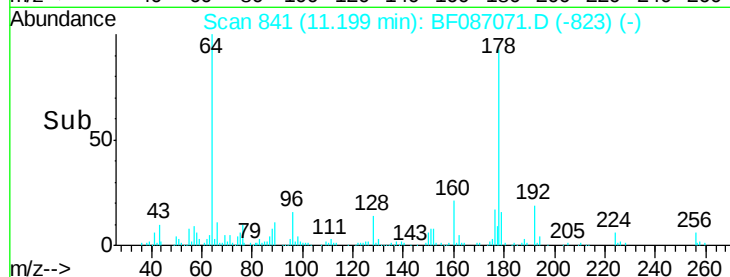
179 18.6 12.7 19.1



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: 13.81 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

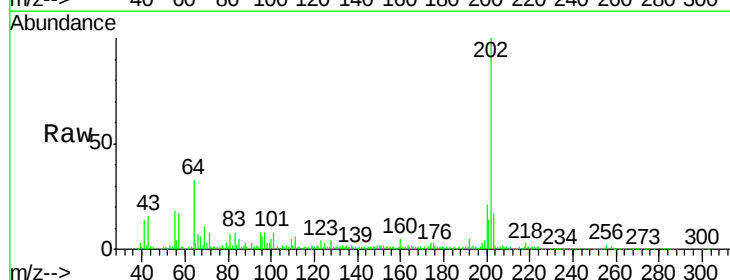
Tgt Ion:202 Resp: 250983

Ion Ratio Lower Upper

202 100

101 7.5 0.0 35.4

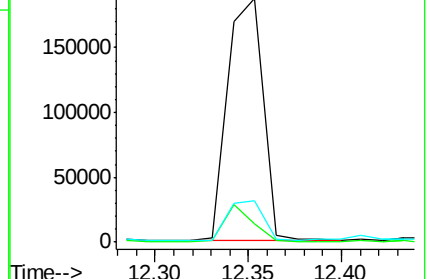
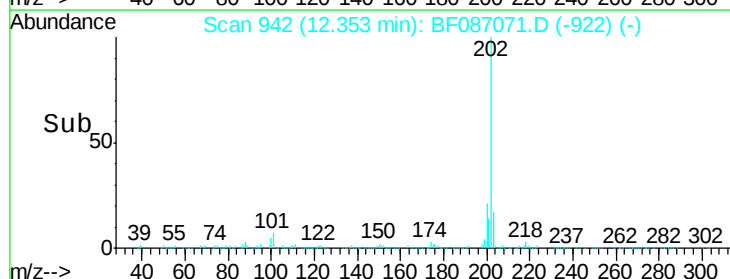
203 17.2 0.0 38.1

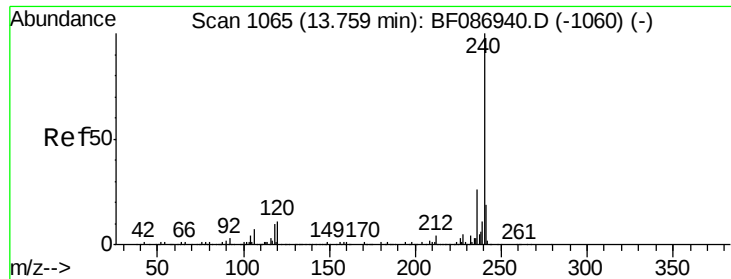


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

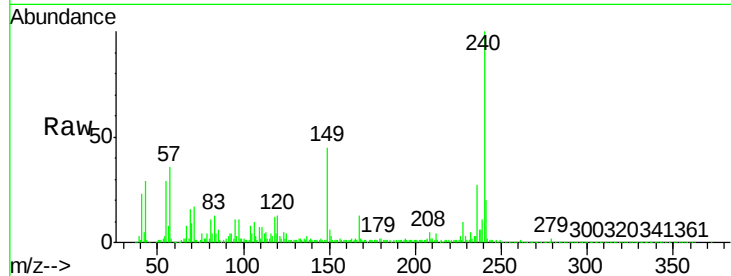
Tgt Ion:240 Resp: 284367

Ion Ratio Lower Upper

240 100

120 13.3 11.2 16.8

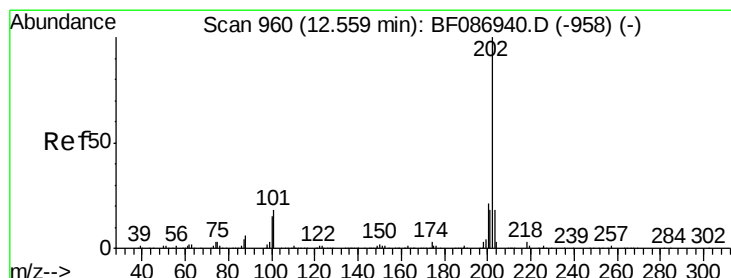
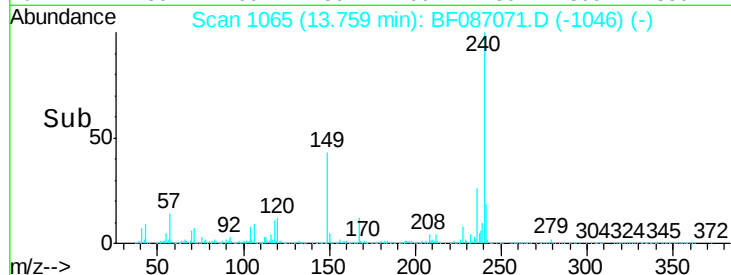
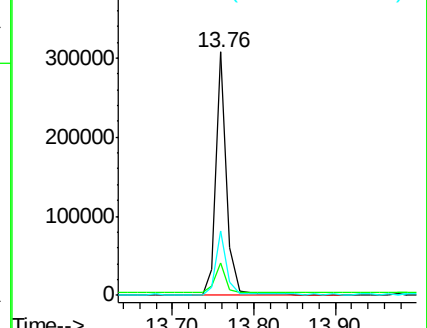
236 26.6 21.2 31.8



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: 9.96 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.07 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

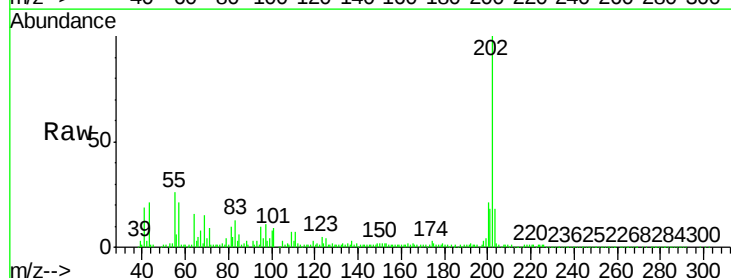
Tgt Ion:202 Resp: 216884

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

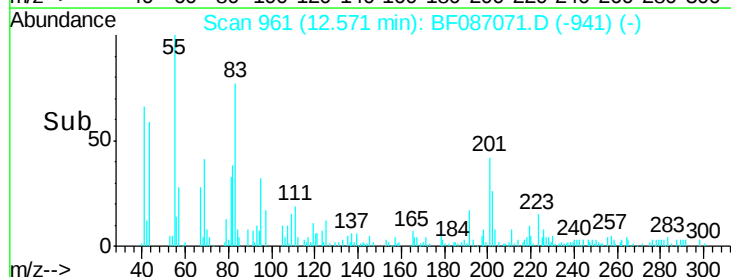
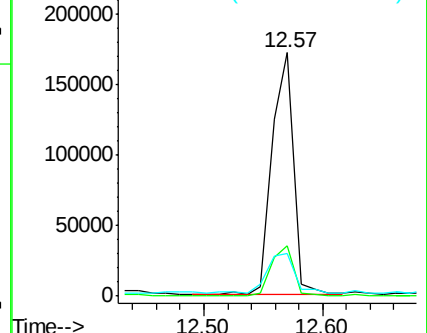
203 17.8 14.2 21.4

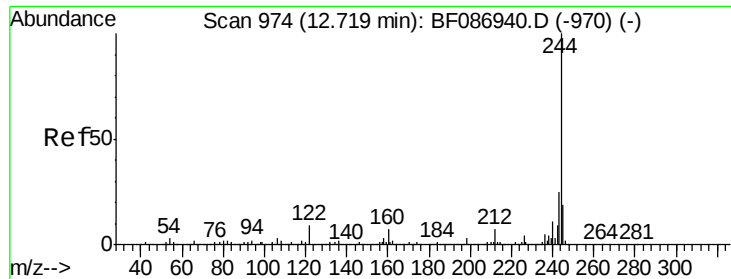


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.23 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

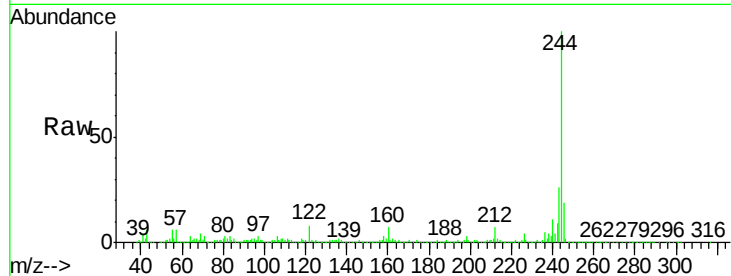
Tgt Ion:244 Resp: 834078

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

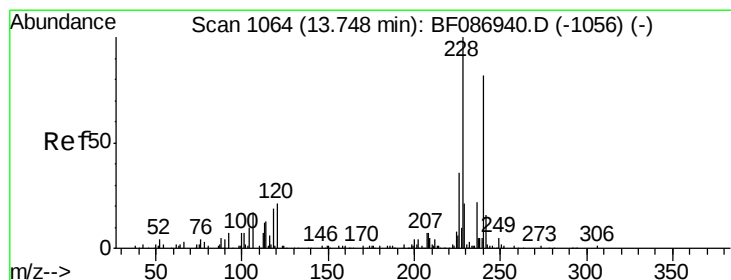
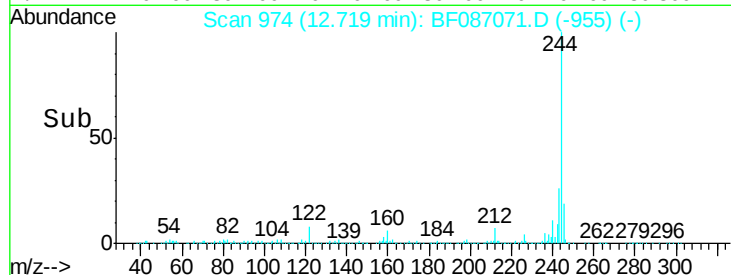
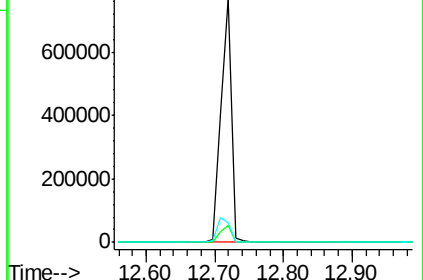
122 7.9 12.0 18.0#



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: 4.82 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.08 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

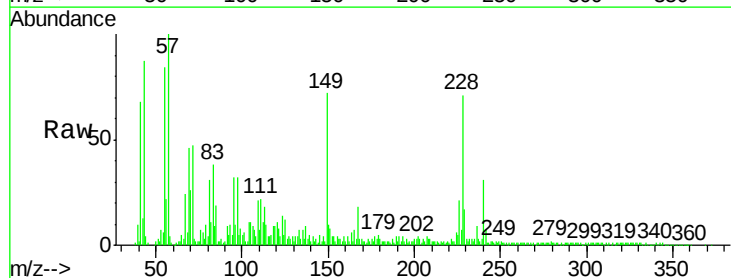
Tgt Ion:228 Resp: 76989

Ion Ratio Lower Upper

228 100

226 29.0 22.5 33.7

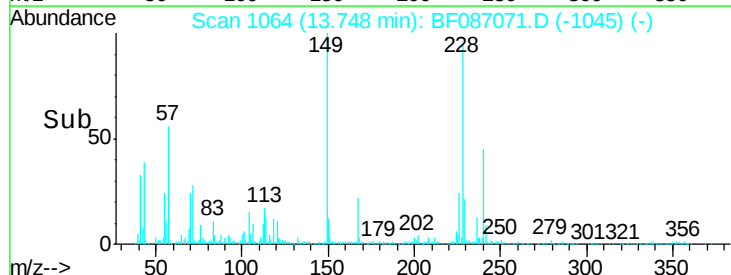
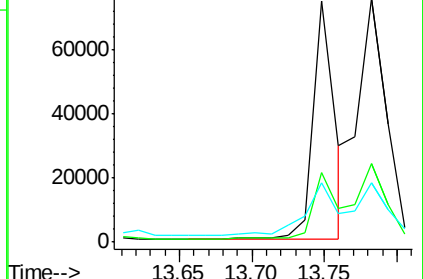
229 24.4 16.6 25.0

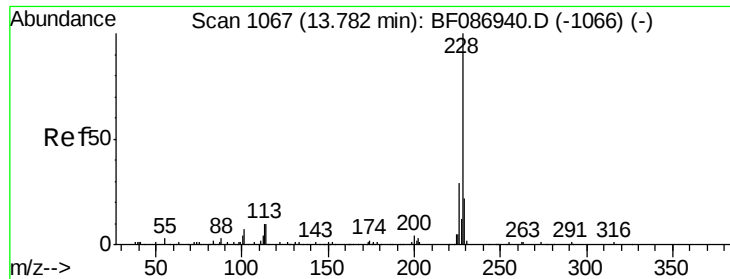


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.74 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.11 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

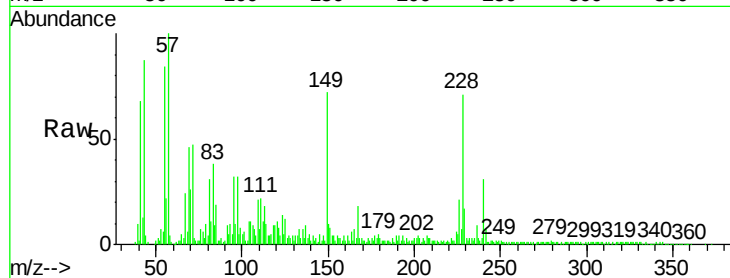
Tgt Ion: 228 Resp: 76989

Ion Ratio Lower Upper

228 100

226 29.0 24.4 36.6

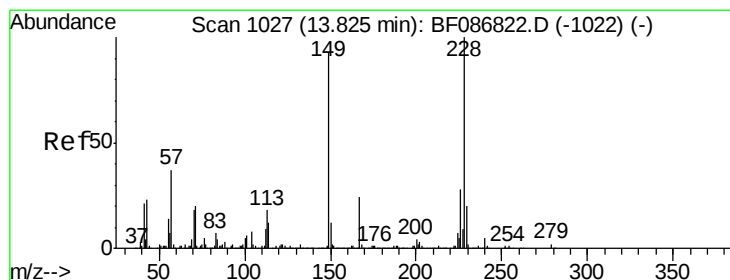
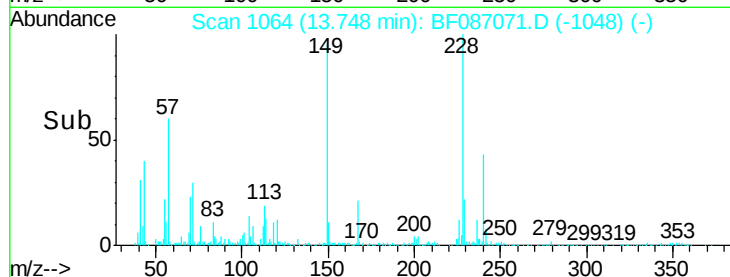
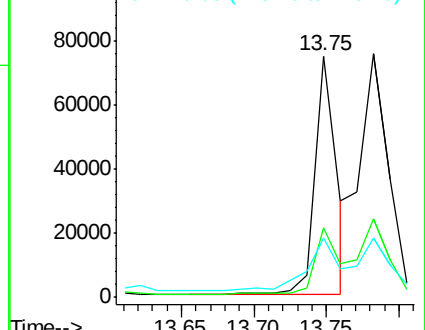
229 24.4 15.8 23.8#



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: 13.82 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.07 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

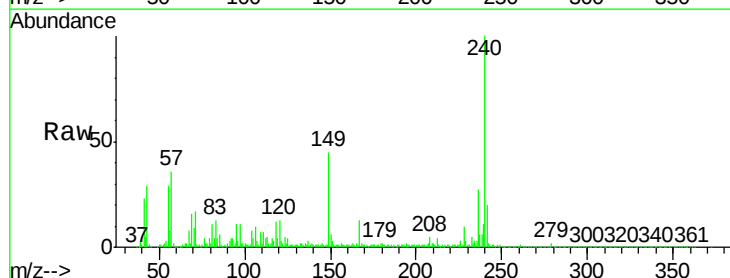
Tgt Ion: 149 Resp: 153033

Ion Ratio Lower Upper

149 100

167 28.2 21.8 32.6

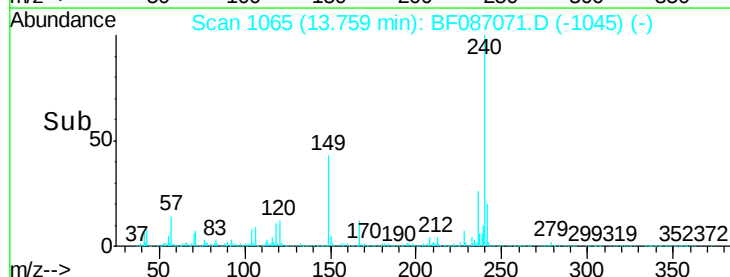
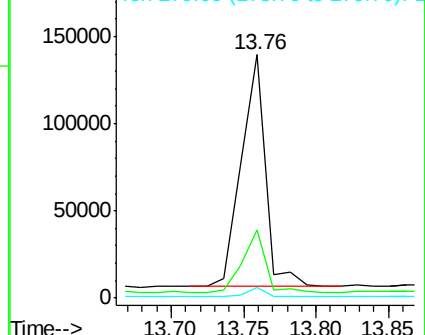
279 4.4 2.6 4.0#

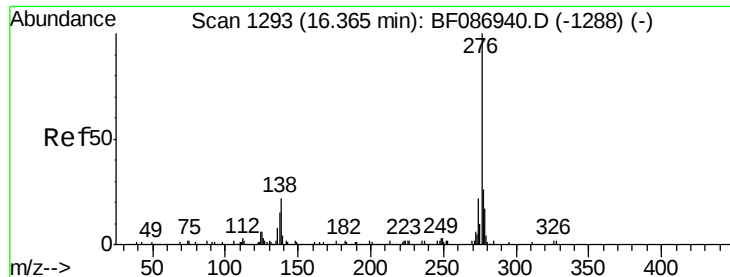


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.42 ng

RT: 16.39 min Scan# 1295

Delta R.T. -0.11 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

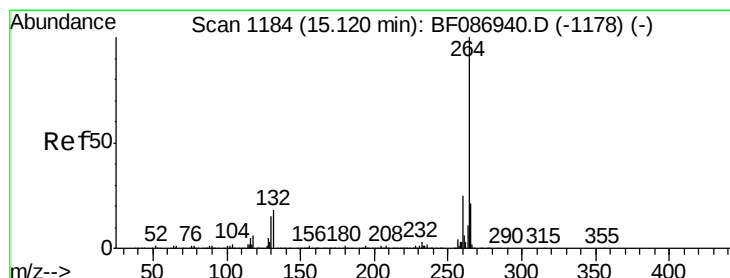
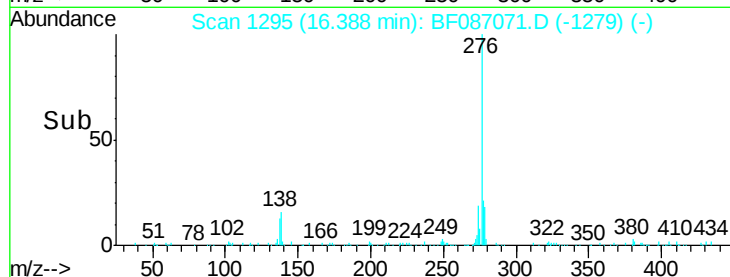
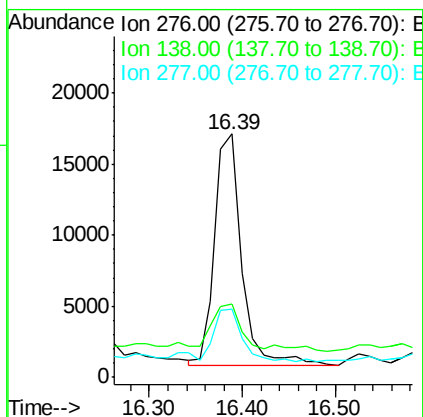
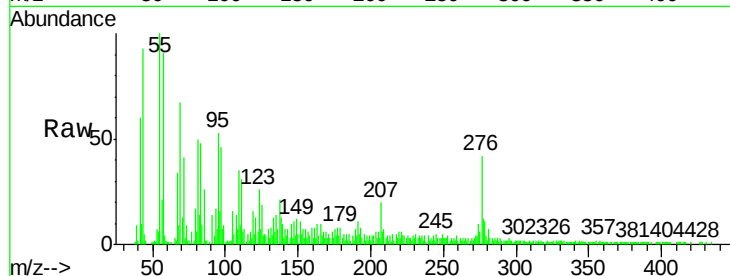
Tgt Ion: 276 Resp: 32688

Ion Ratio Lower Upper

276 100

138 19.7 25.6 38.4#

277 28.0 20.5 30.7



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.08 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

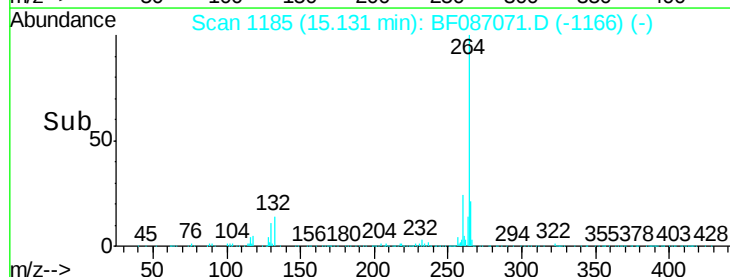
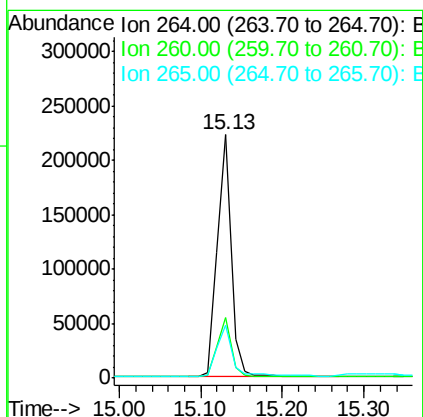
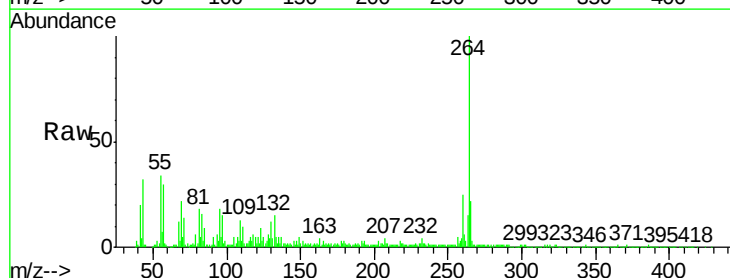
Tgt Ion: 264 Resp: 268980

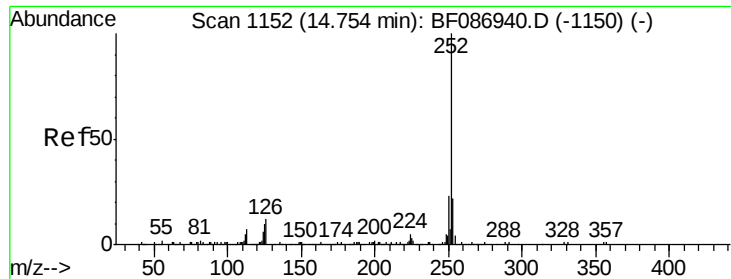
Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 22.0 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 8.29 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.08 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

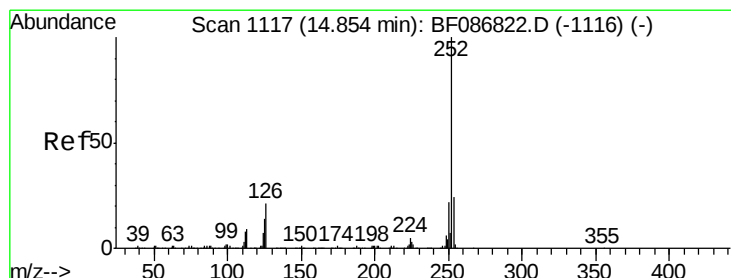
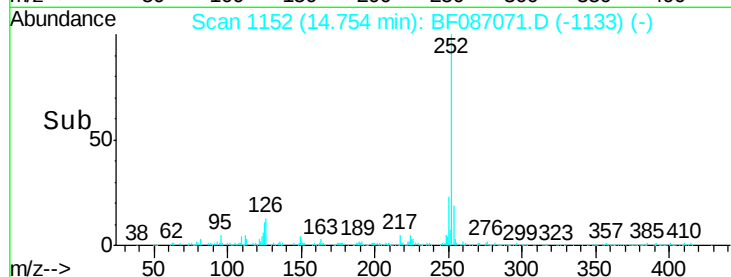
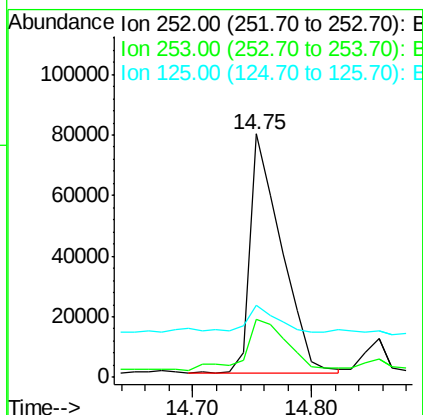
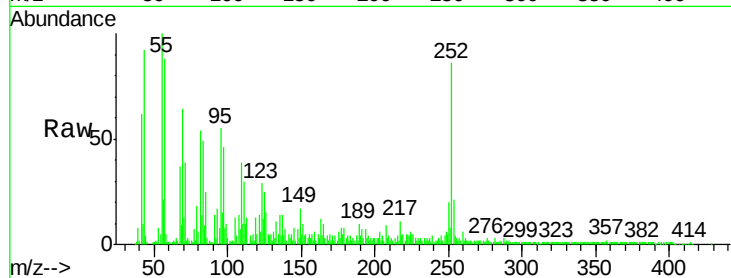
Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

Tgt Ion:	252	Resp:	145002
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	29.5	11.4	17.0#



#88

Benzo(k)fluoranthene

Concen: 10.13 ng

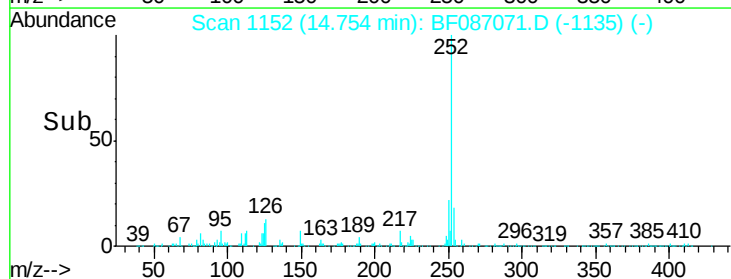
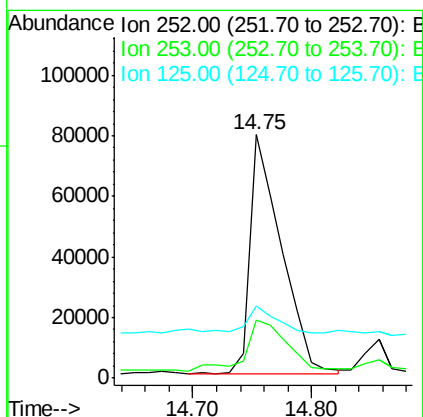
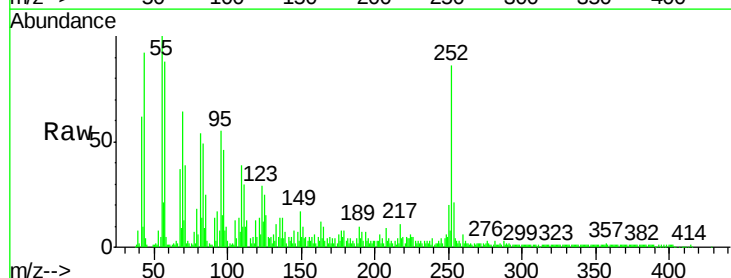
RT: 14.75 min Scan# 1152

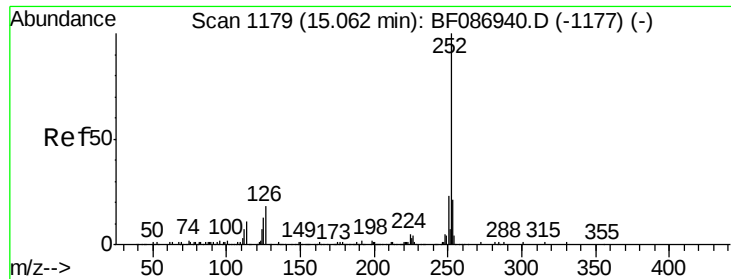
Delta R.T. -0.10 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Tgt Ion:	252	Resp:	145002
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	29.5	9.1	13.7#





#89

Benzo(a)pyrene

Concen: 3.77 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.08 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WEST

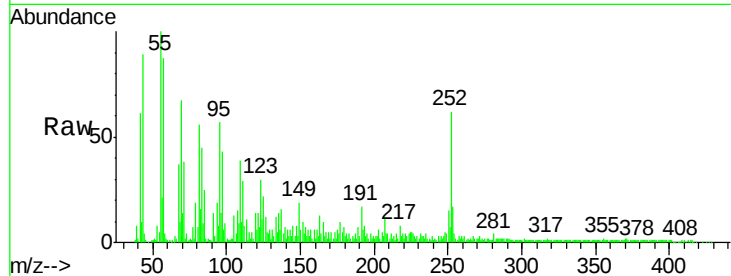
Tgt Ion: 252 Resp: 56795

Ion Ratio Lower Upper

252 100

253 26.6 17.2 25.8#

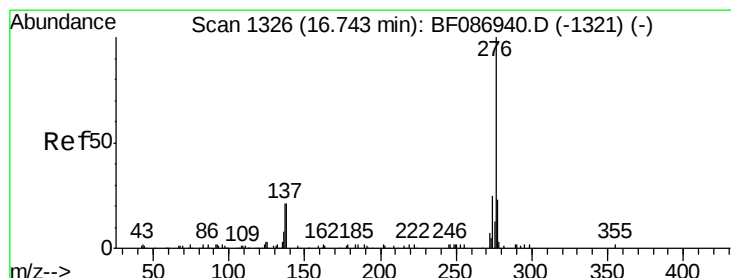
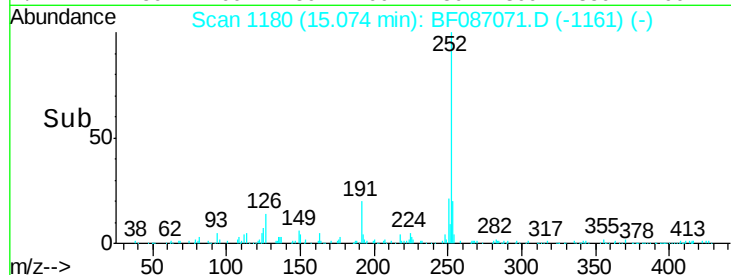
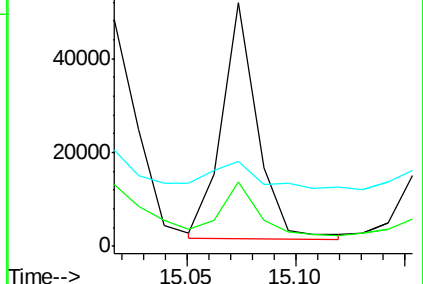
125 35.0 9.0 13.6#



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: 2.52 ng

RT: 16.75 min Scan# 1327

Delta R.T. -0.13 min

Lab File: BF087071.D

Acq: 15 May 2016 15:57

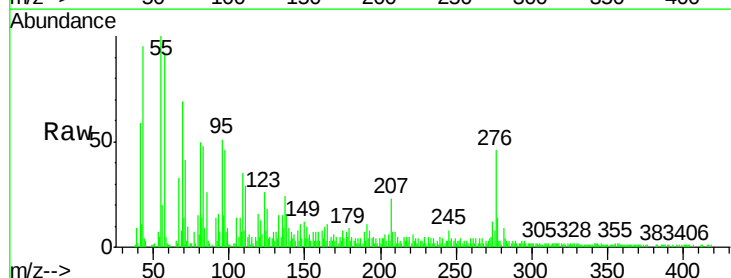
Tgt Ion: 276 Resp: 32570

Ion Ratio Lower Upper

276 100

277 30.2 19.6 29.4#

138 34.5 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

