

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
 Data File : BF087135.D
 Acq On : 18 May 2016 7:07
 Operator : UM/SJ
 Sample : H3038-05
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PITT-2-N-EAST

Quant Time: May 18 07:38:36 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	157963	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	585788	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	246688	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	375877	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	297080	20.00	ng	-0.02
86) Perylene-d12	15.11	264	329125	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1300002	138.33	ng	-0.01
7) Phenol-d6	6.27	99	1856210	147.27	ng	-0.01
23) Nitrobenzene-d5	7.18	82	1239188	105.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	324200	118.93	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1562393	104.89	ng	-0.02
78) Terphenyl-d14	12.70	244	986588	75.12	ng	-0.01

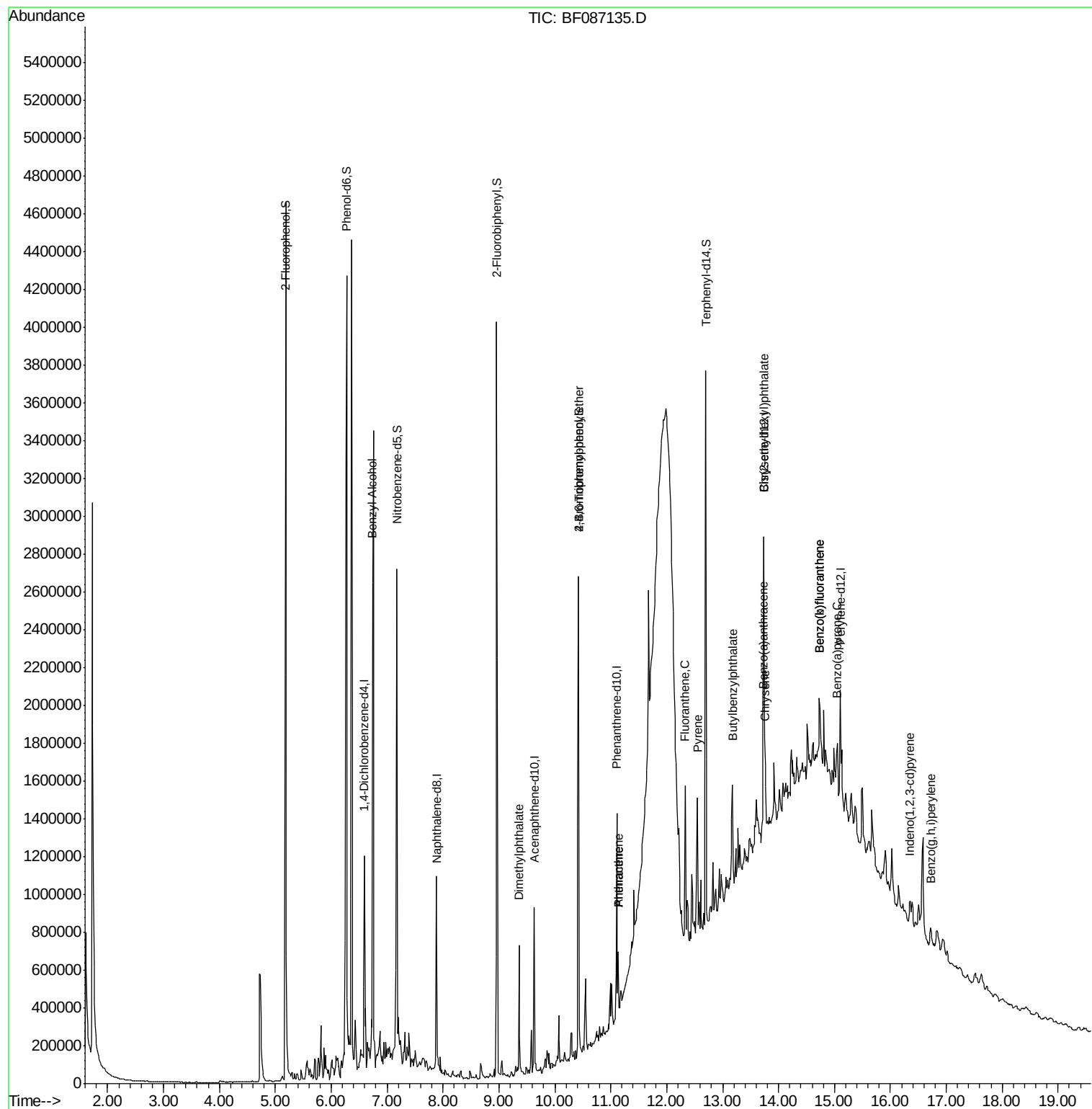
Target Compounds						Qvalue
15) Benzyl Alcohol	6.74	79	22377	2.38	ng	# 43
49) Dimethylphthalate	9.36	163	234198	12.45	ng	100
55) 4-Nitrophenol	9.78	139	259	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.42	248	20421	5.28	ng	# 1
70) Phenanthrene	11.13	178	112682	5.53	ng	98
71) Anthracene	11.13	178	112682	5.46	ng	98
74) Fluoranthene	12.33	202	332742	16.29	ng	94
77) Pyrene	12.55	202	288322	13.43	ng	98
79) Butylbenzylphthalate	13.18	149	149442	16.49	ng	92
80) Benzo(a)anthracene	13.73	228	139401	8.12	ng	97
82) Chrysene	13.76	228	131640	7.92	ng	97
83) Bis(2-ethylhexyl)phthalate	13.74	149	208094	18.87	ng	98
85) Indeno(1,2,3-cd)pyrene	16.35	276	68491	4.70	ng	# 90
87) Benzo(b)fluoranthene	14.73	252	255897	11.72	ng	# 88
88) Benzo(k)fluoranthene	14.73	252	255897	15.74	ng	# 86
89) Benzo(a)pyrene	15.05	252	91337	5.00	ng	# 81
91) Benzo(g,h,i)perylene	16.72	276	65244	4.20	ng	98

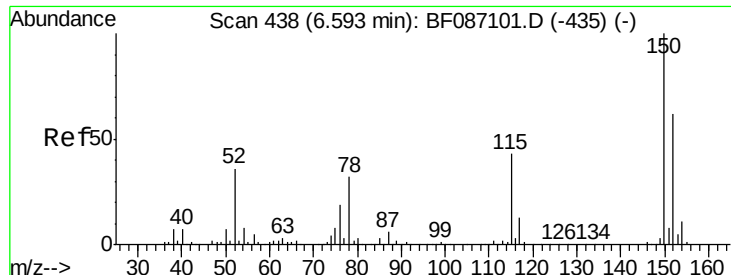
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

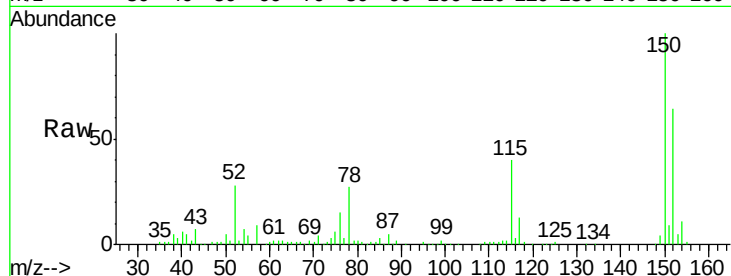
Tgt Ion:152 Resp: 157963

Ion Ratio Lower Upper

152 100

150 155.7 125.8 188.6

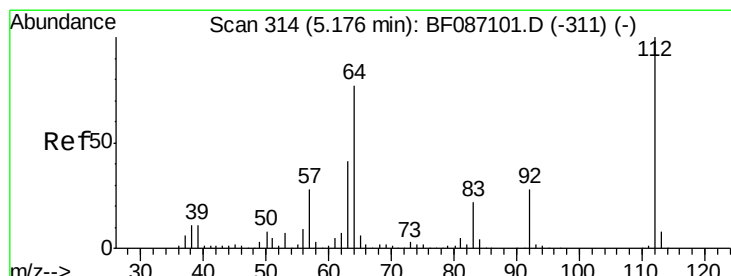
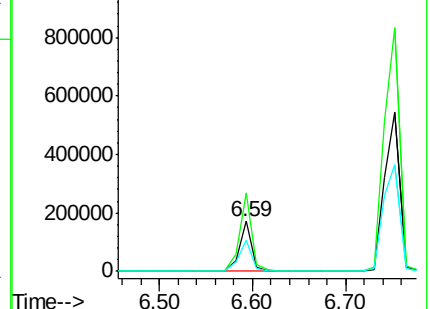
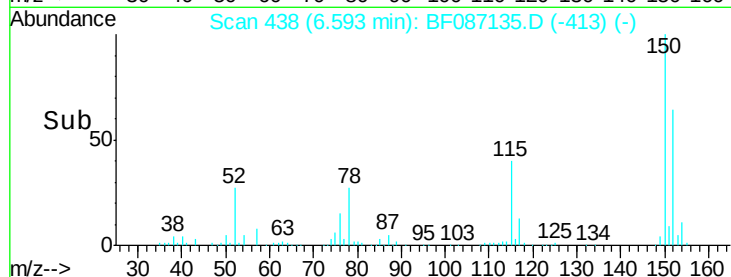
115 62.0 51.5 77.3



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: 138.33 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

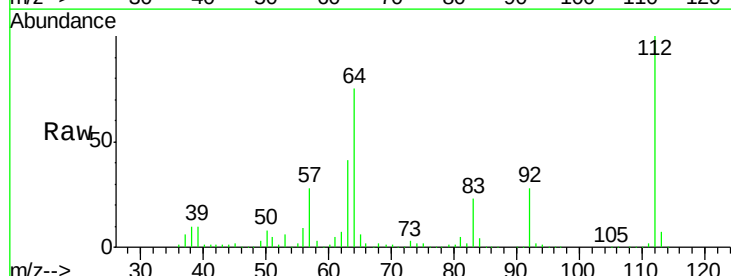
Tgt Ion:112 Resp: 1300002

Ion Ratio Lower Upper

112 100

64 75.0 52.1 78.1

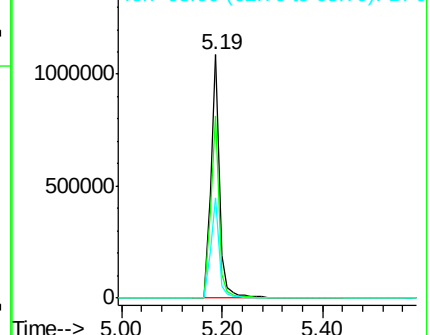
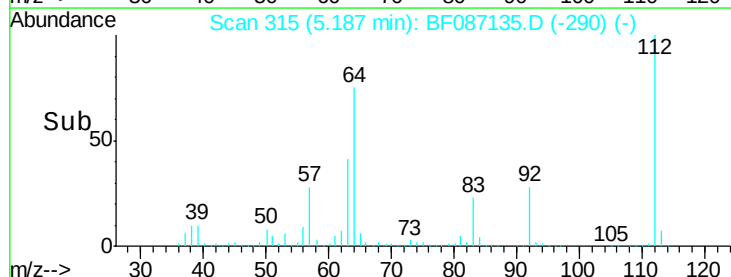
63 40.9 25.7 38.5#

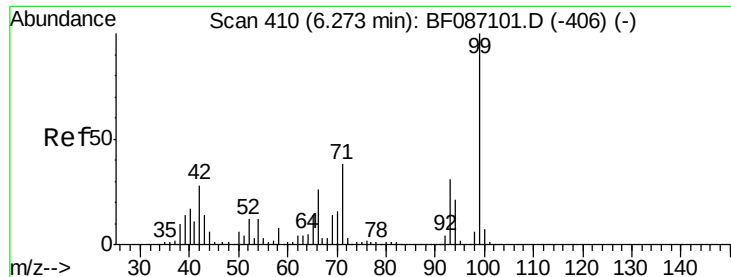


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 147.27 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

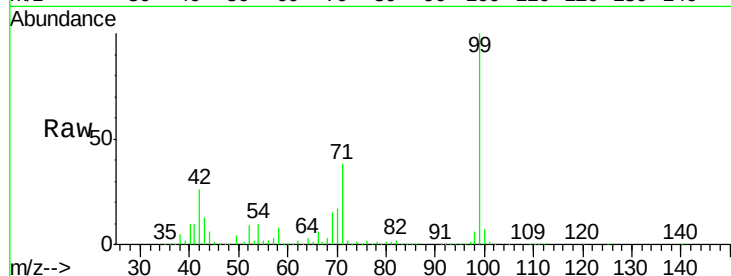
Tgt Ion: 99 Resp: 1856210

Ion Ratio Lower Upper

99 100

42 26.0 13.6 20.4#

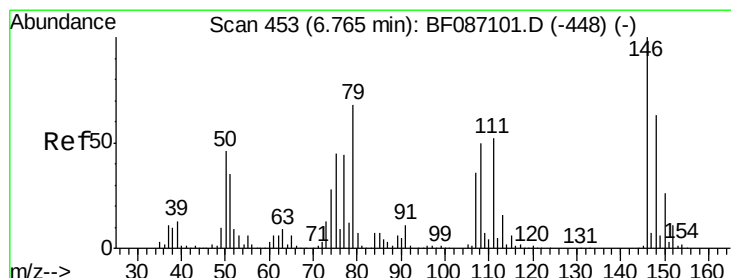
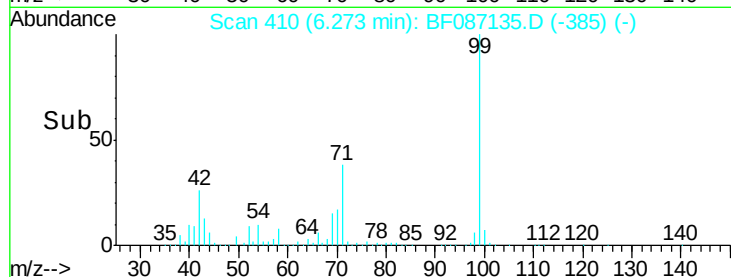
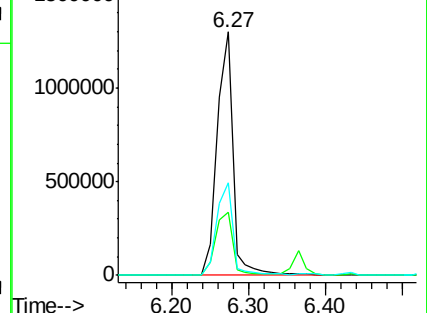
71 38.0 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.38 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.03 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

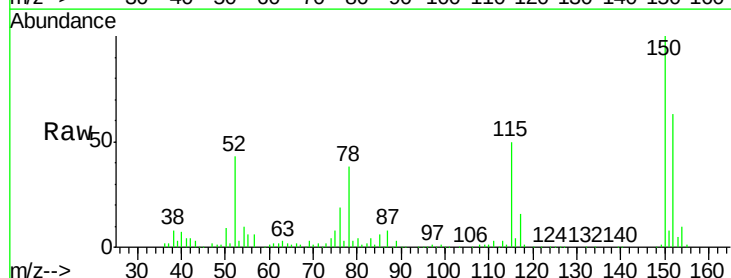
Tgt Ion: 79 Resp: 22377

Ion Ratio Lower Upper

79 100

108 25.7 68.4 102.6#

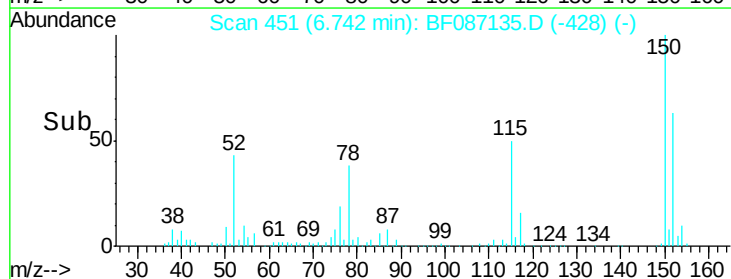
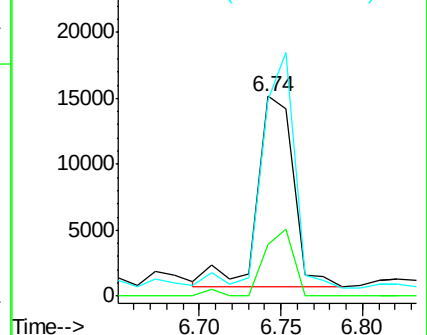
77 98.3 50.6 76.0#

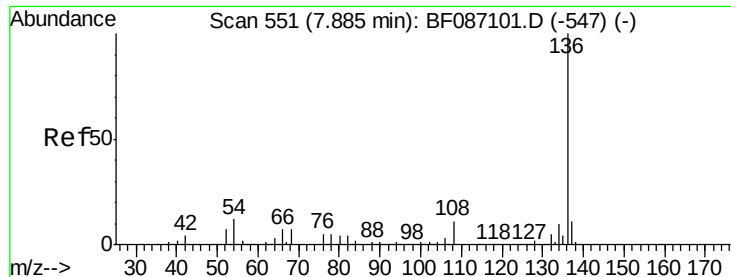


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

Tgt Ion:136 Resp: 585788

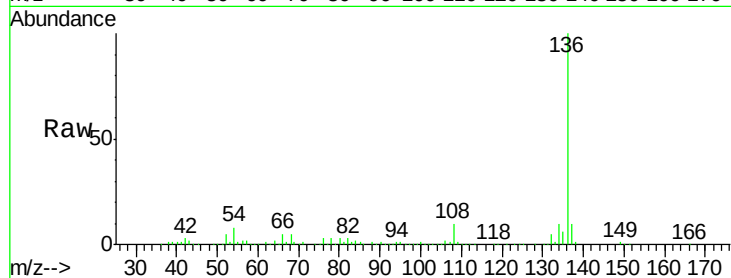
Ion Ratio Lower Upper

136 100

137 10.3 8.8 13.2

54 8.5 5.0 7.4#

68 4.7 4.4 6.6

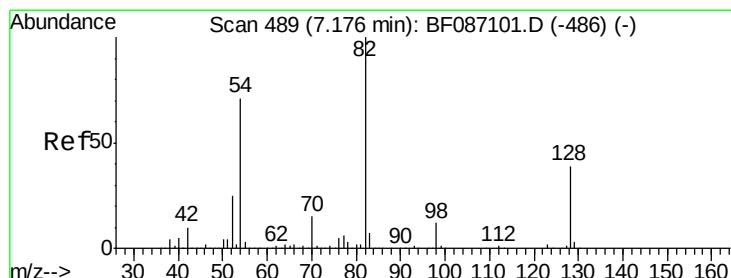
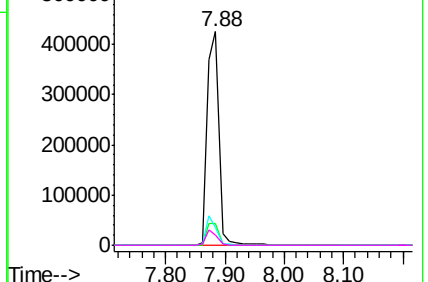
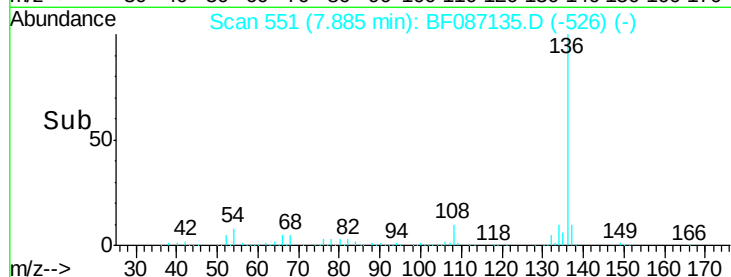


Abundance Ion 136.00 (135.70 to 136.70): E

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: 105.43 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

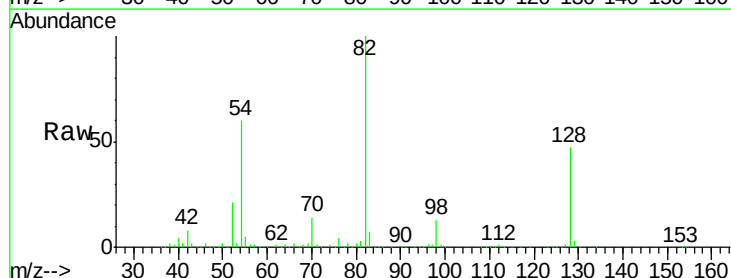
Tgt Ion: 82 Resp: 1239188

Ion Ratio Lower Upper

82 100

128 47.0 40.6 61.0

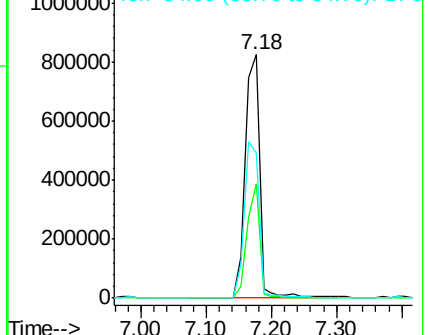
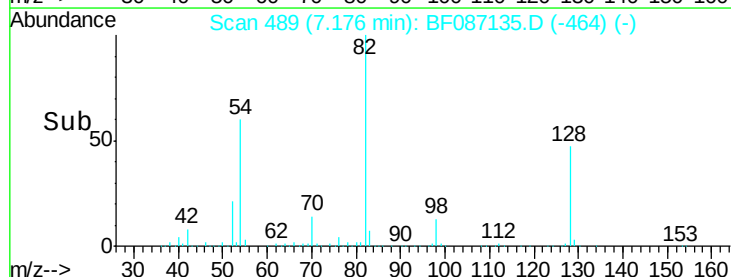
54 59.8 38.1 57.1#

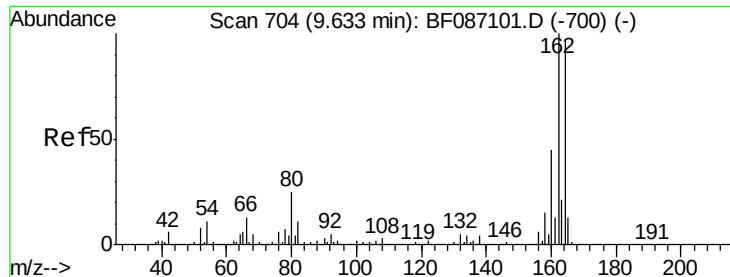


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

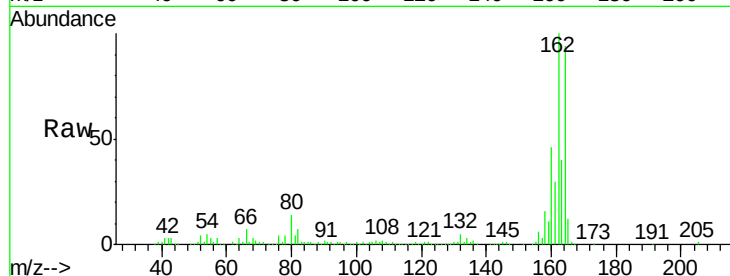
Tgt Ion:164 Resp: 246688

Ion Ratio Lower Upper

164 100

162 106.2 82.8 124.2

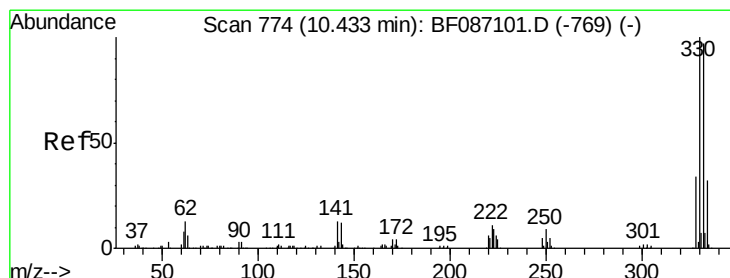
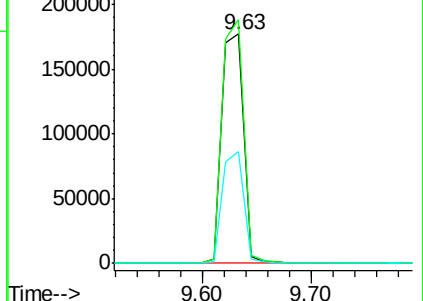
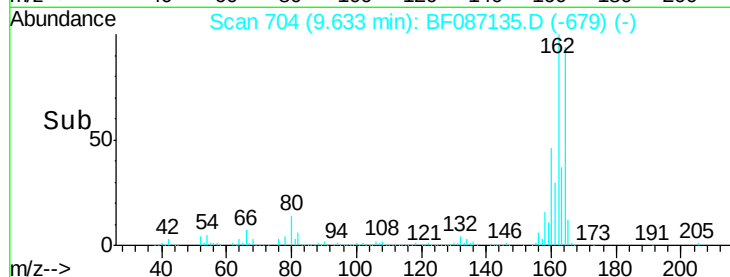
160 48.9 36.9 55.3



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: 118.93 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.02 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

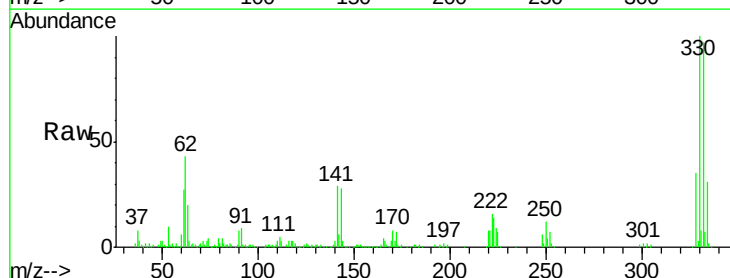
Tgt Ion:330 Resp: 324200

Ion Ratio Lower Upper

330 100

332 96.4 79.0 118.4

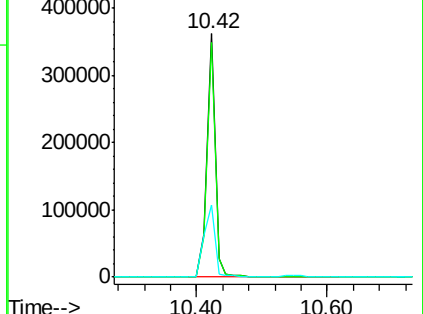
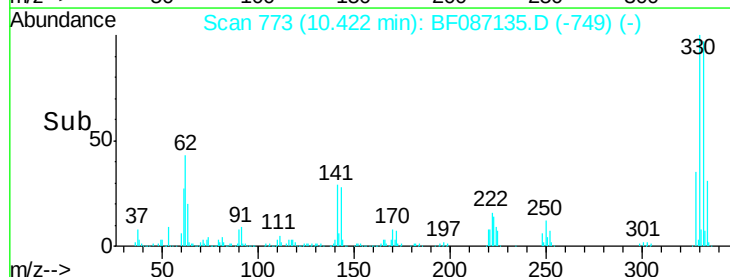
141 37.4 31.2 46.8

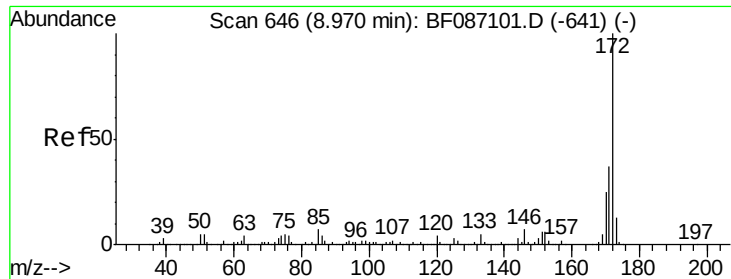


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

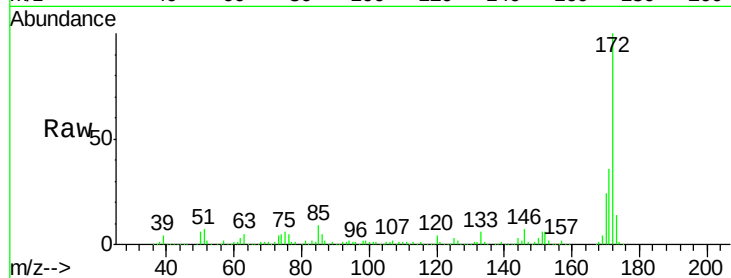




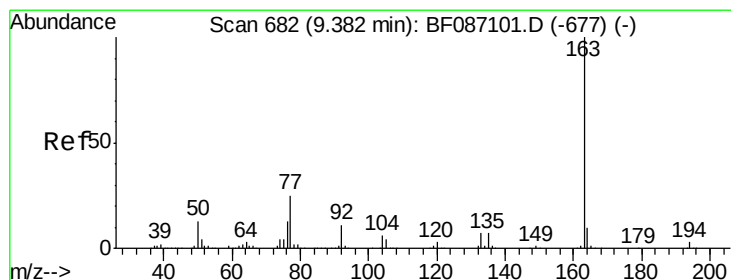
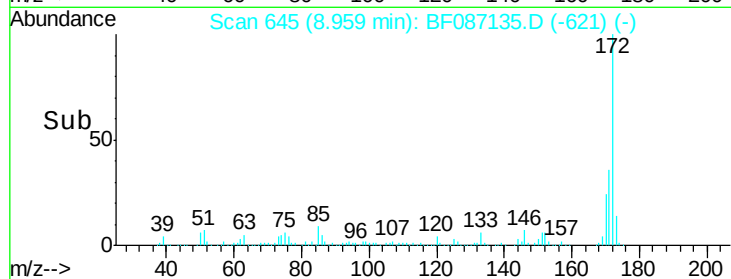
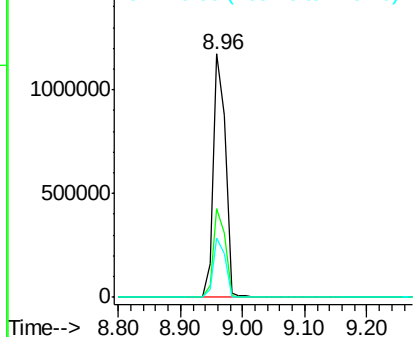
#44
2-Fluorobiphenyl
Concen: 104.89 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.02 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

Tgt Ion:172 Resp: 1562393
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.6
170 24.4 19.8 29.8

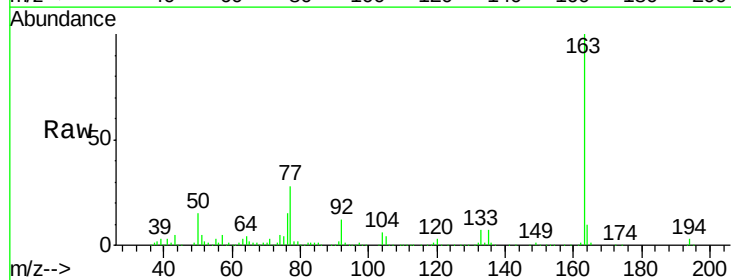


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

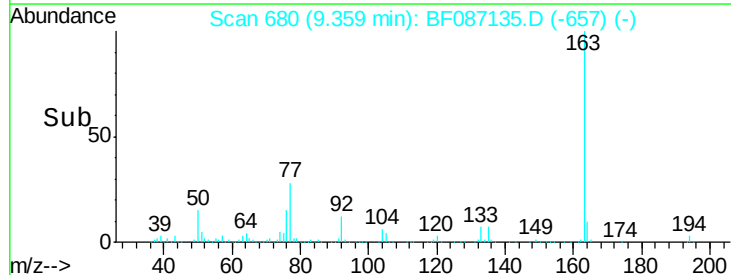
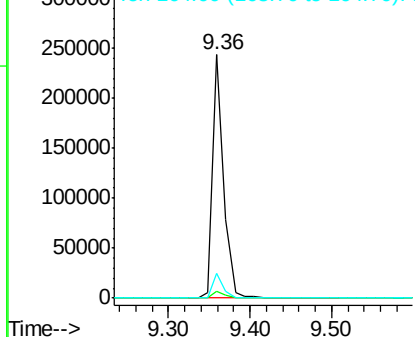


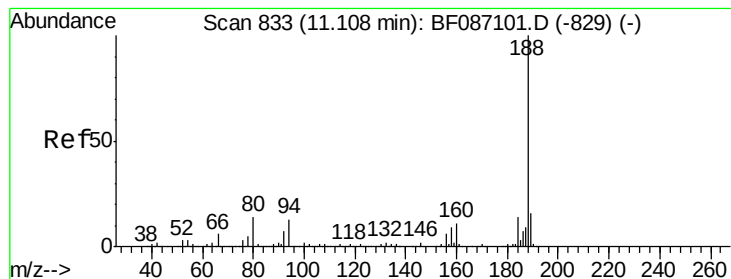
#49
Dimethylphthalate
Concen: 12.45 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Tgt Ion:163 Resp: 234198
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 10.3 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: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

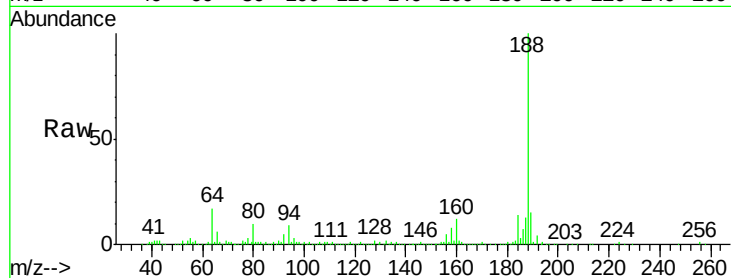
Tgt Ion:188 Resp: 375877

Ion Ratio Lower Upper

188 100

94 8.9 6.8 10.2

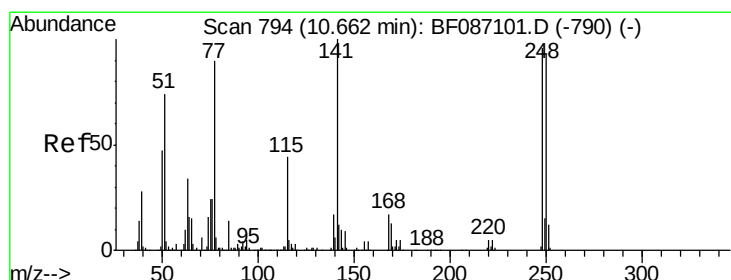
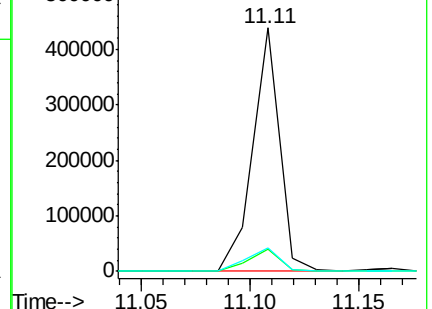
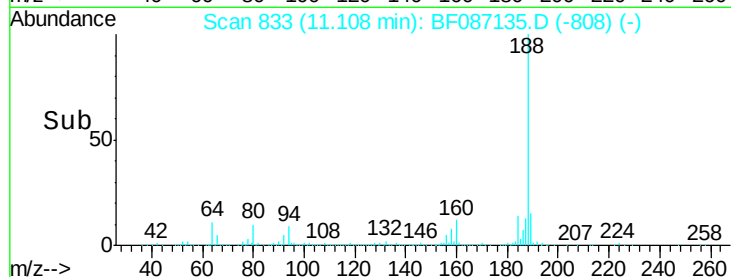
80 9.8 7.1 10.7



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: 5.28 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.25 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

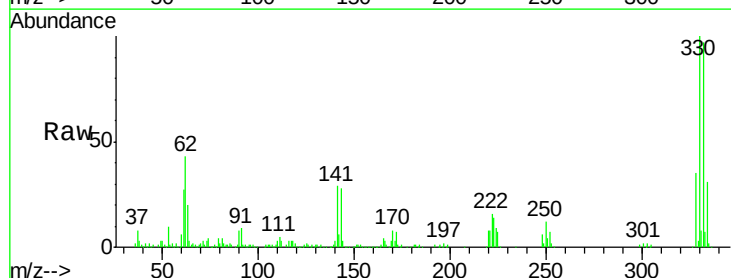
Tgt Ion:248 Resp: 20421

Ion Ratio Lower Upper

248 100

250 199.5 78.6 117.8#

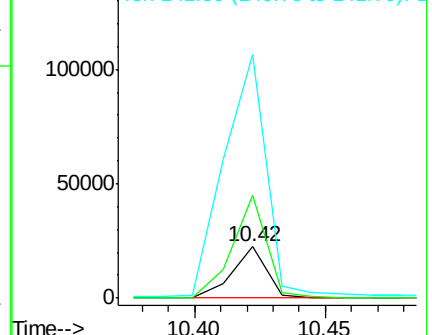
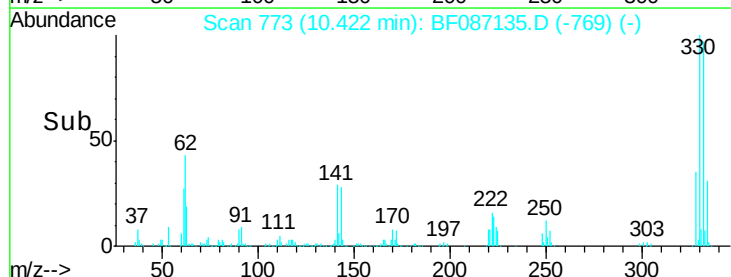
141 475.2 76.0 114.0#

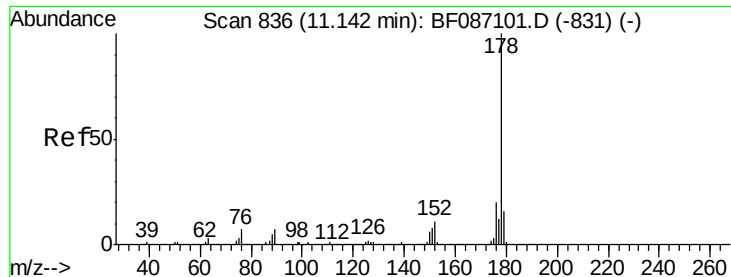


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

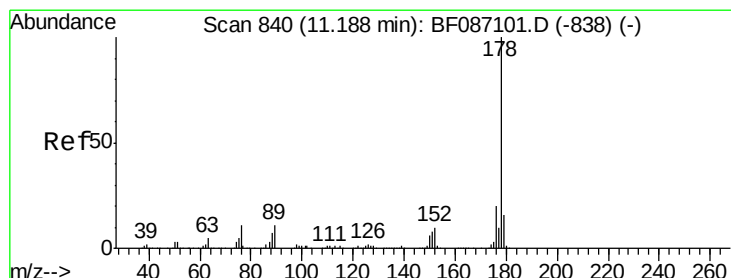
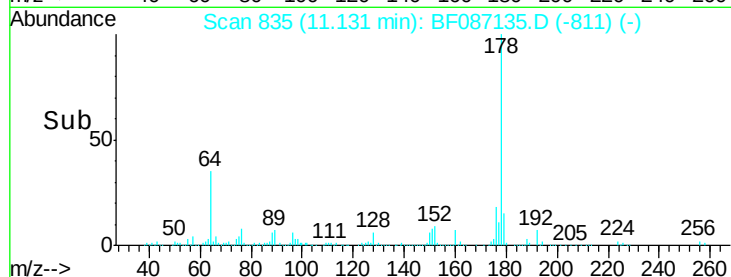
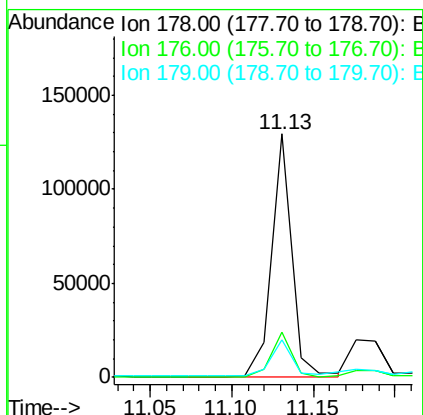
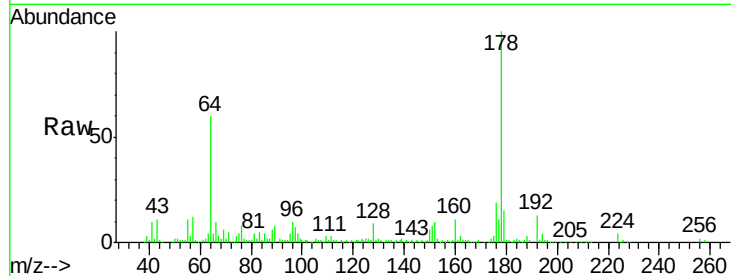




#70
Phenanthrene
Concen: 5.53 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.02 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

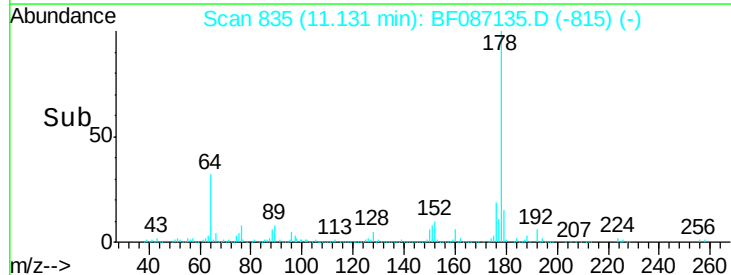
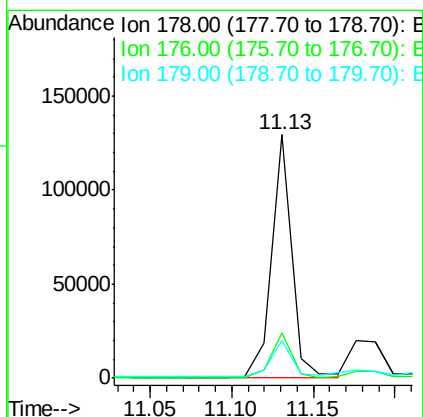
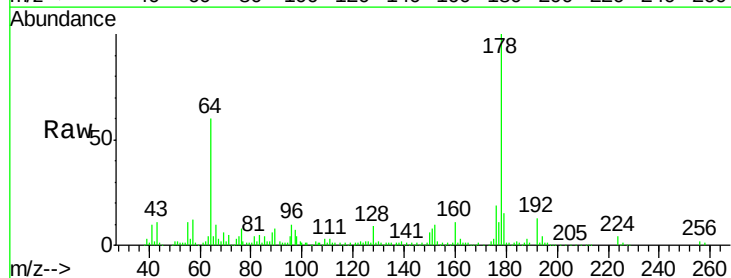
Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

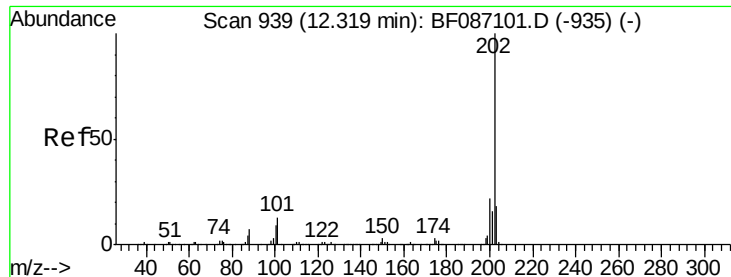
Tgt Ion:178 Resp: 112682
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.5 12.6 18.8



#71
Anthracene
Concen: 5.46 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.07 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Tgt Ion:178 Resp: 112682
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.5 12.7 19.1





#74

Fluoranthene

Concen: 16.29 ng

RT: 12.33 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

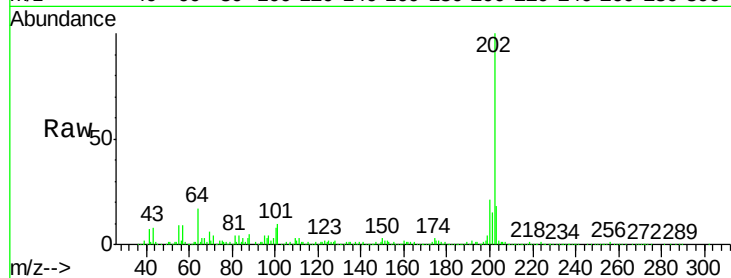
Tgt Ion:202 Resp: 332742

Ion Ratio Lower Upper

202 100

101 10.4 0.0 35.4

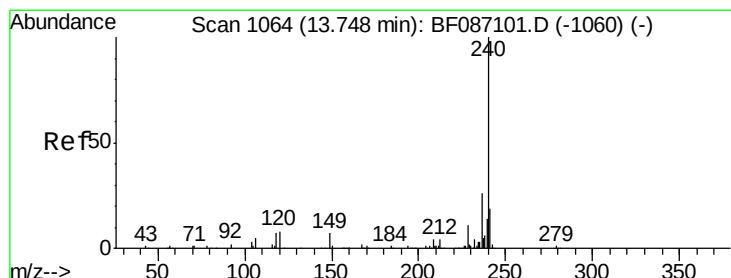
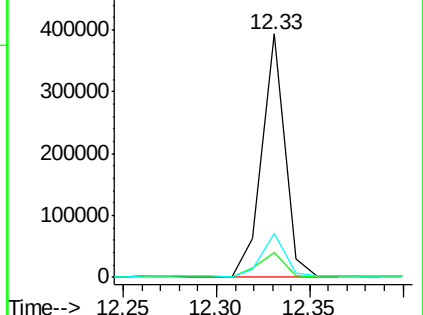
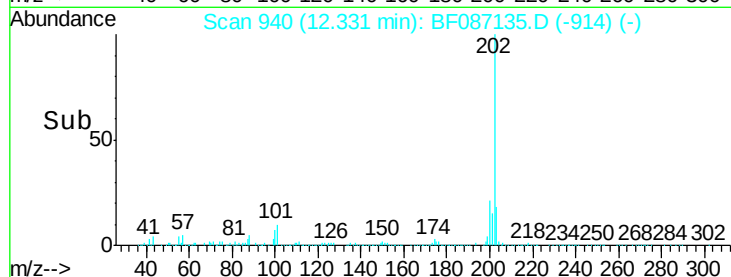
203 17.8 0.0 38.1



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: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

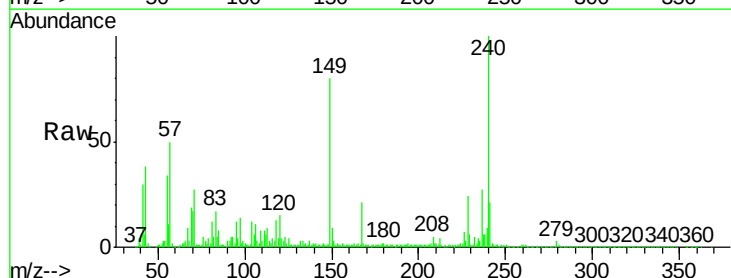
Tgt Ion:240 Resp: 297080

Ion Ratio Lower Upper

240 100

120 15.3 11.2 16.8

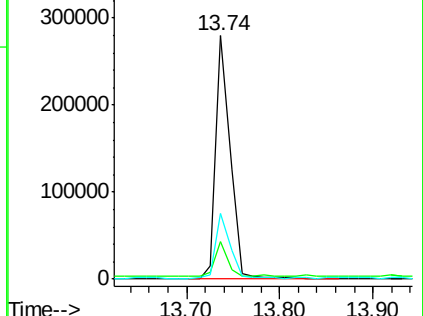
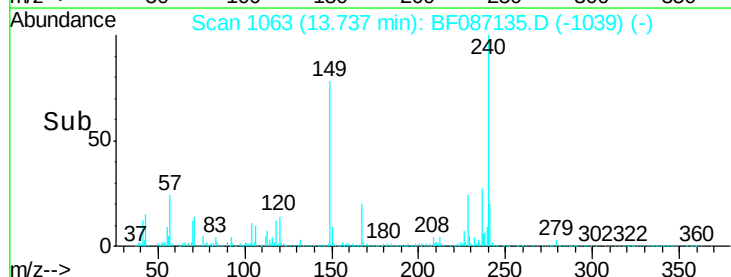
236 27.2 21.2 31.8

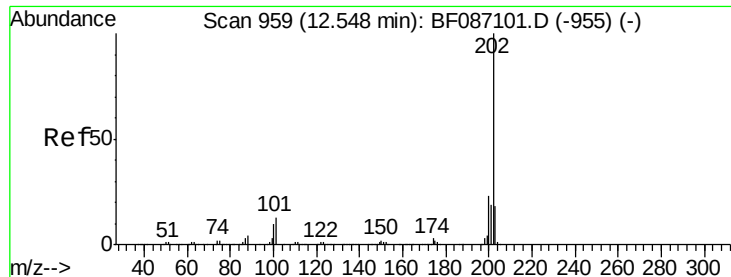


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.43 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

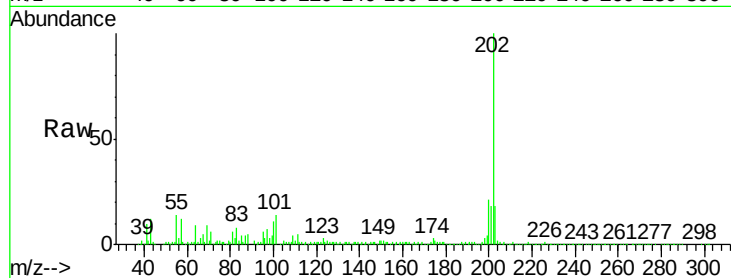
Tgt Ion:202 Resp: 288322

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

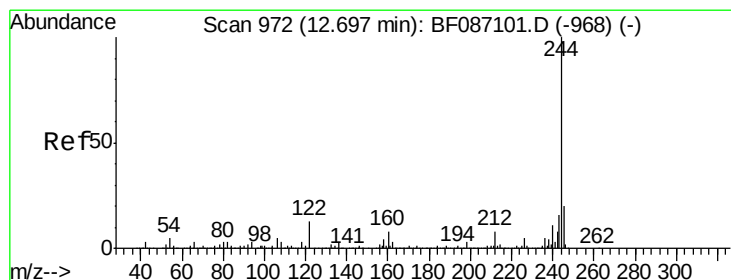
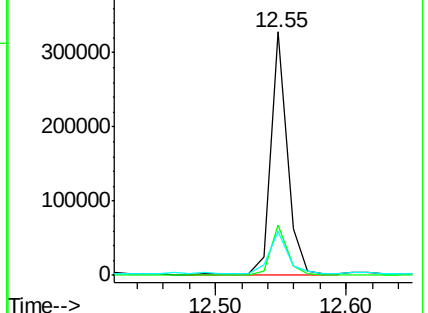
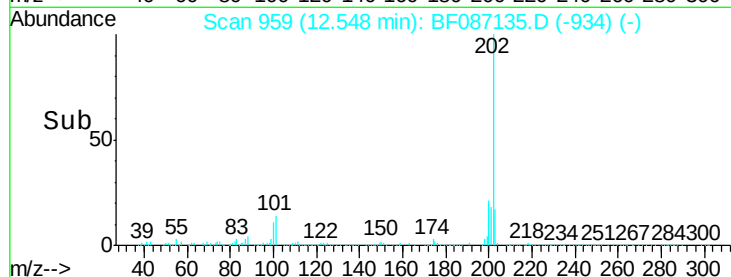
203 18.0 14.2 21.4



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: 75.12 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

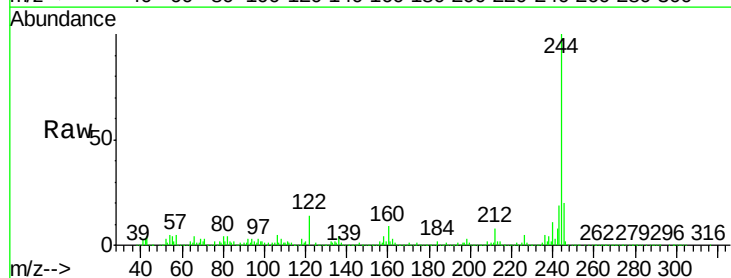
Tgt Ion:244 Resp: 986588

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

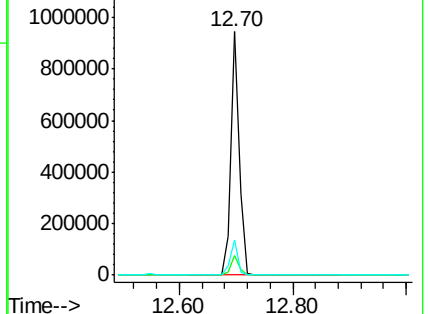
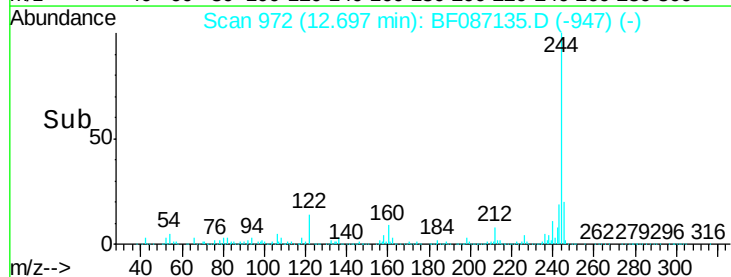
122 14.3 12.0 18.0

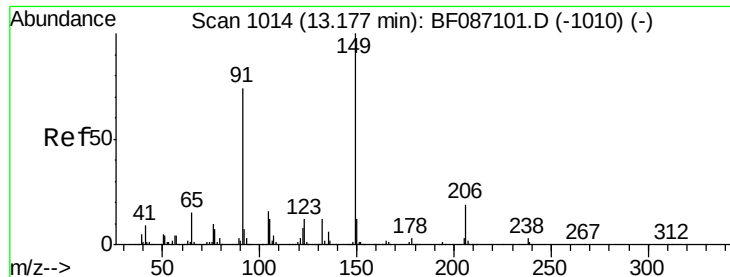


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

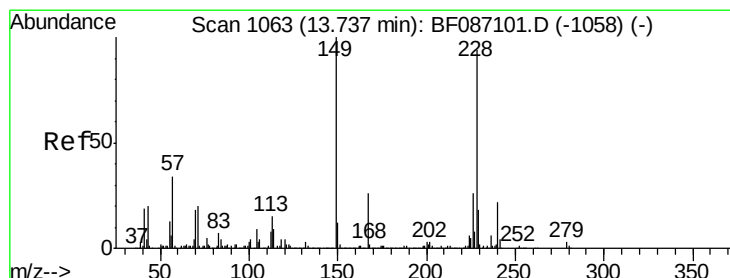
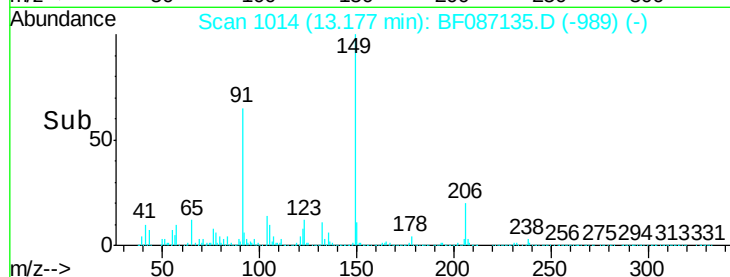
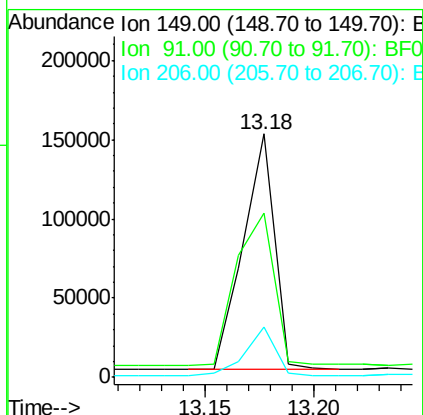
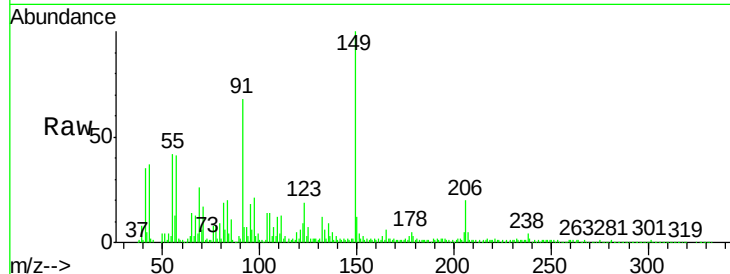




#79
Butylbenzylphthalate
Concen: 16.49 ng
RT: 13.18 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

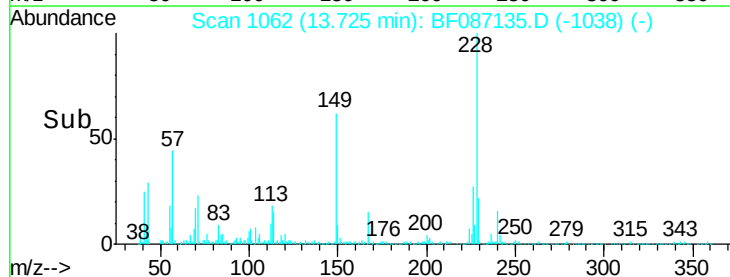
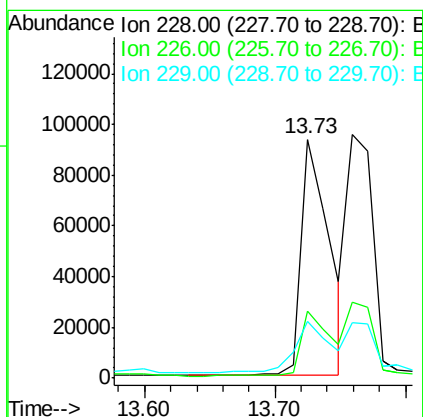
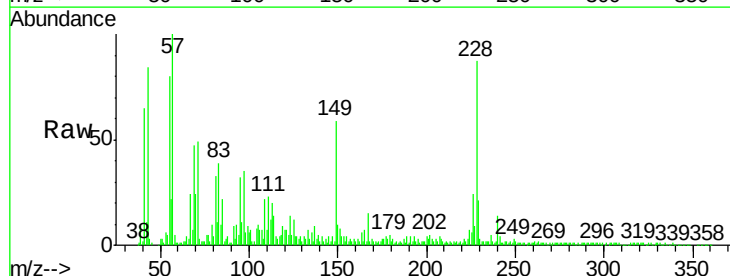
Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

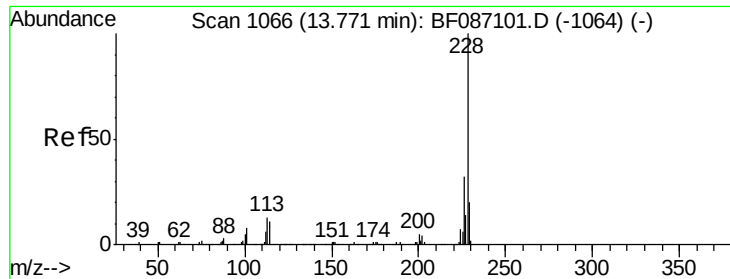
Tgt Ion	Ratio	Lower	Upper
149	100		
91	67.5	48.0	72.0
206	20.4	15.8	23.6



#80
Benzo(a)anthracene
Concen: 8.12 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.5	33.7
229	24.0	16.6	25.0





#82

Chrysene

Concen: 7.92 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

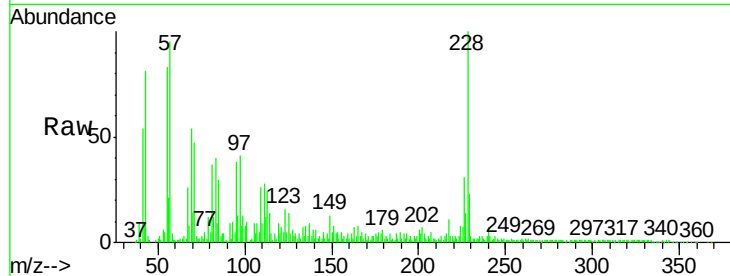
Tgt Ion: 228 Resp: 131640

Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

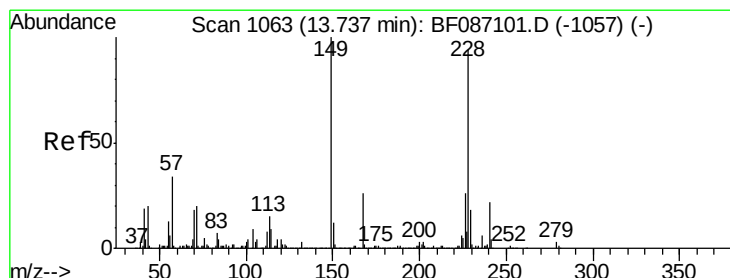
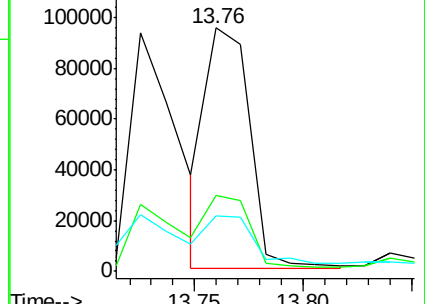
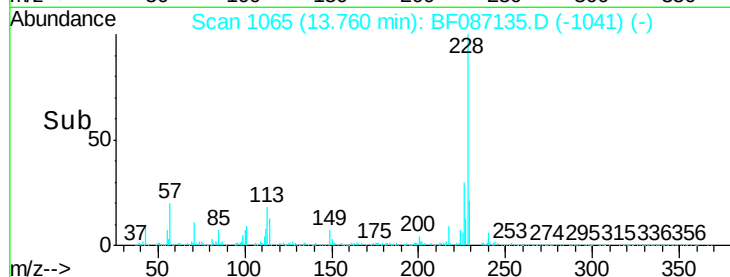
229 22.6 15.8 23.8



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: 18.87 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

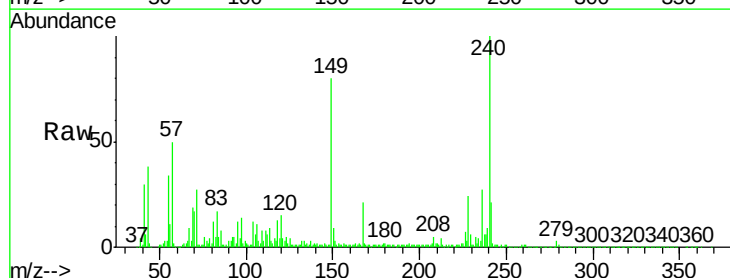
Tgt Ion: 149 Resp: 208094

Ion Ratio Lower Upper

149 100

167 26.2 21.8 32.6

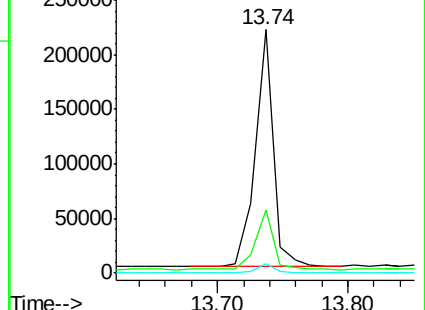
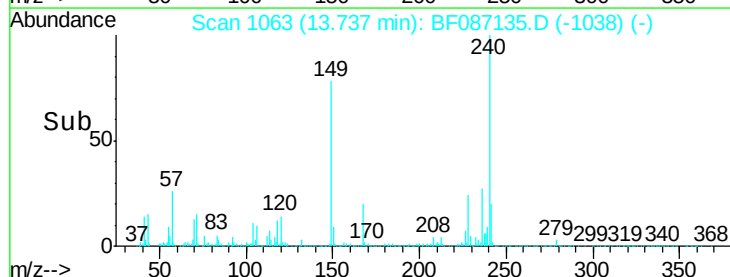
279 3.6 2.6 4.0

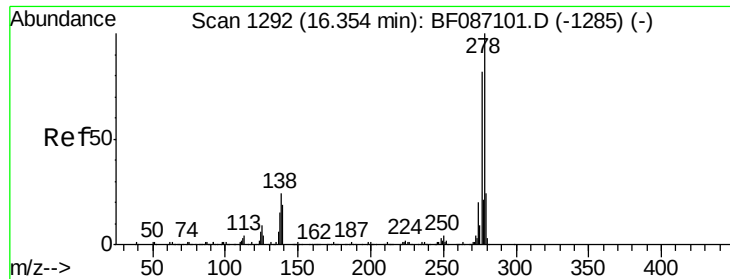


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.70 ng

RT: 16.35 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

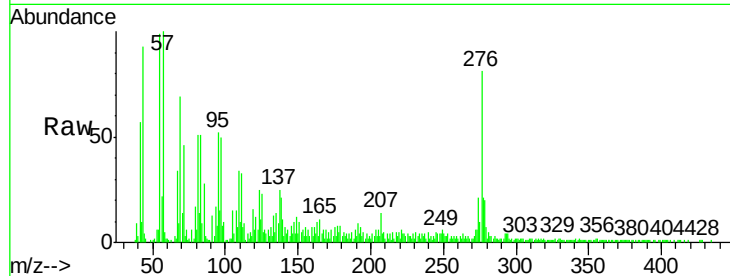
Tgt Ion:276 Resp: 68491

Ion Ratio Lower Upper

276 100

138 23.7 25.6 38.4#

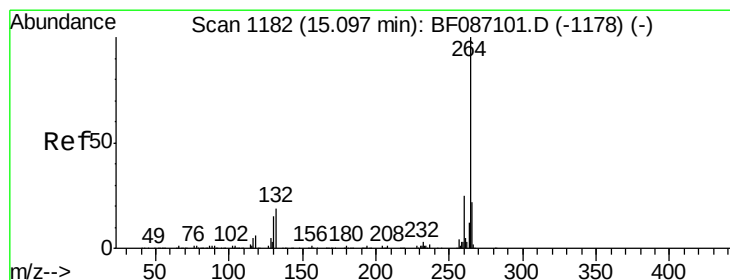
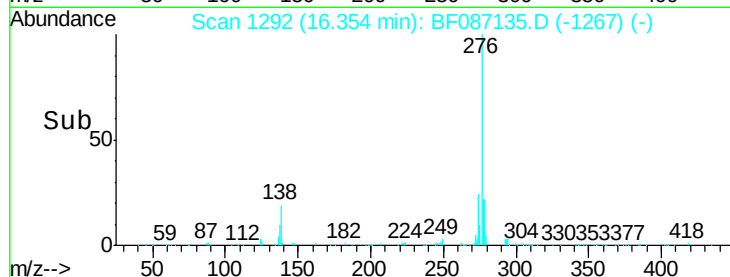
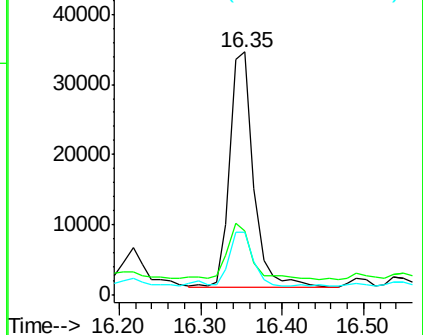
277 23.8 20.5 30.7



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: 15.11 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF087135.D

Acq: 18 May 2016 7:07

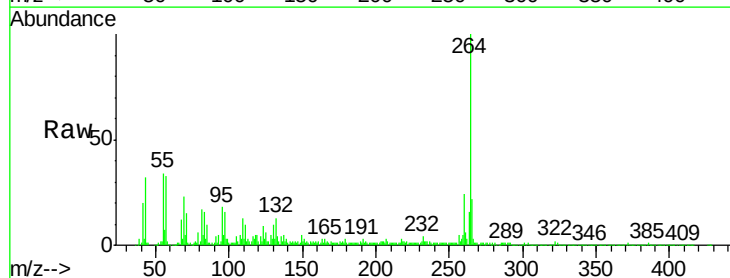
Tgt Ion:264 Resp: 329125

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

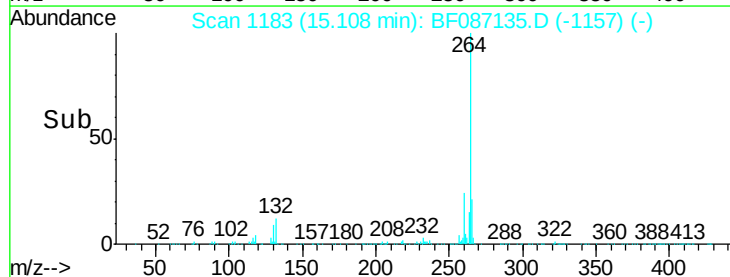
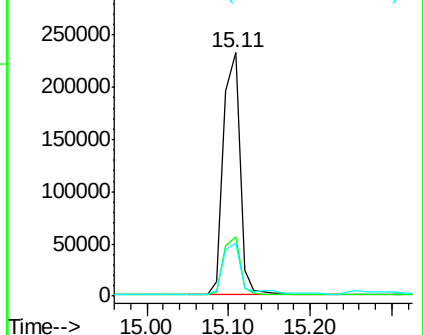
265 21.7 17.3 25.9

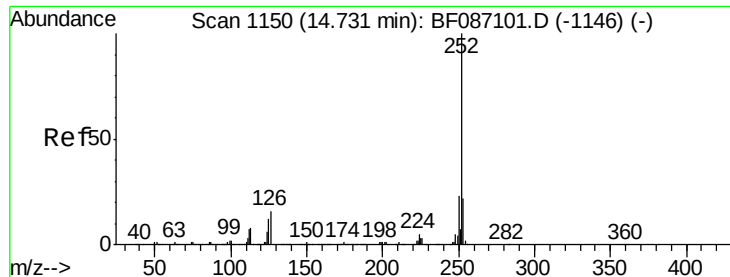


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

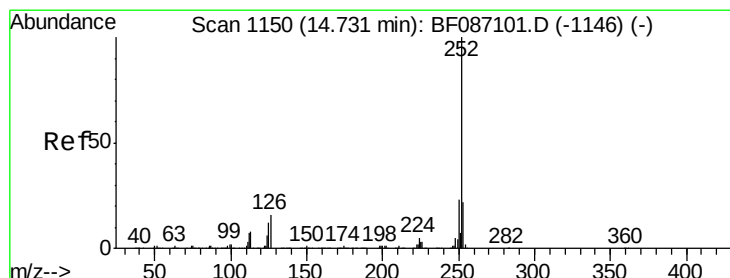
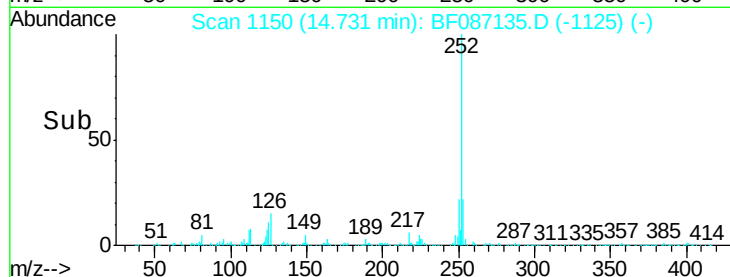
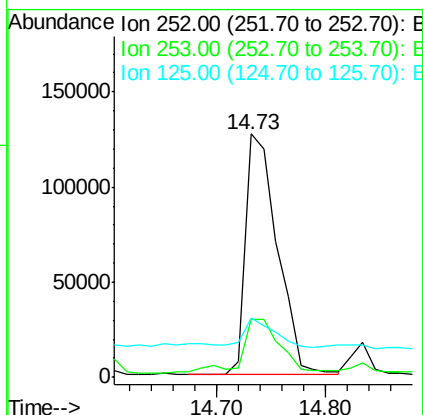
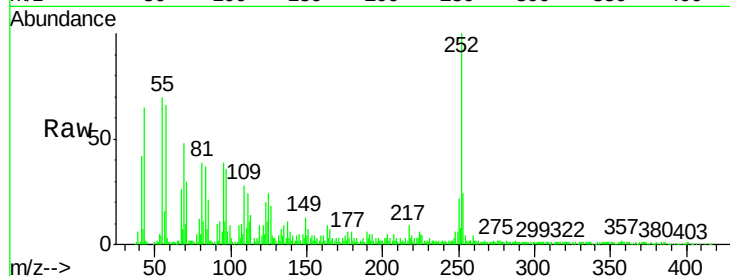




#87
Benzo(b)fluoranthene
Concen: 11.72 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

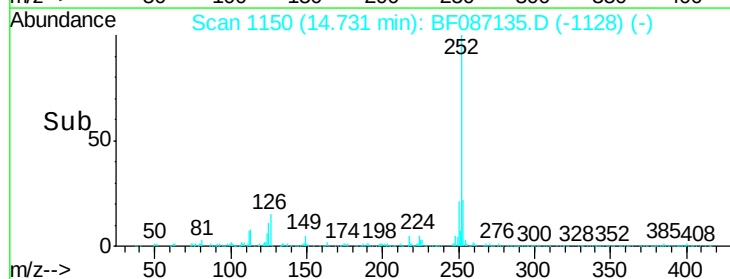
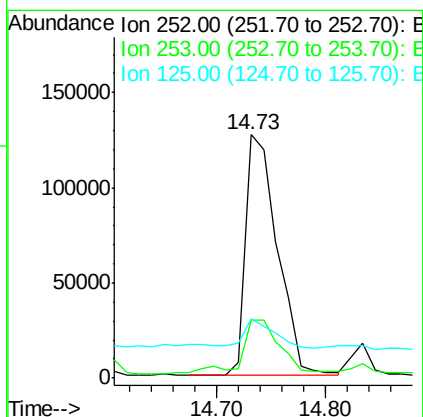
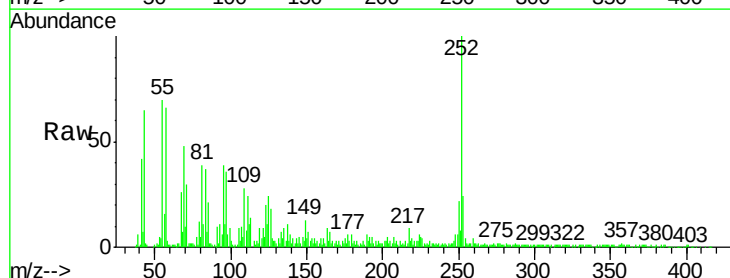
Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

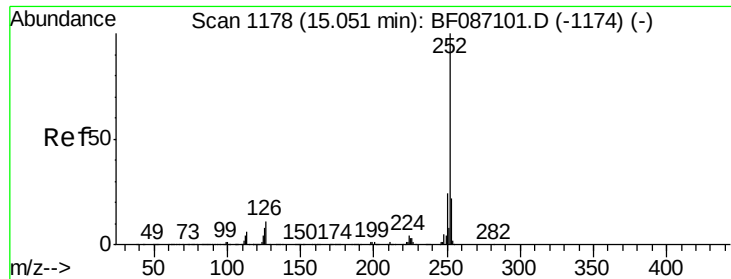
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	24.3	11.4	17.0



#88
Benzo(k)fluoranthene
Concen: 15.74 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.05 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	24.3	9.1	13.7

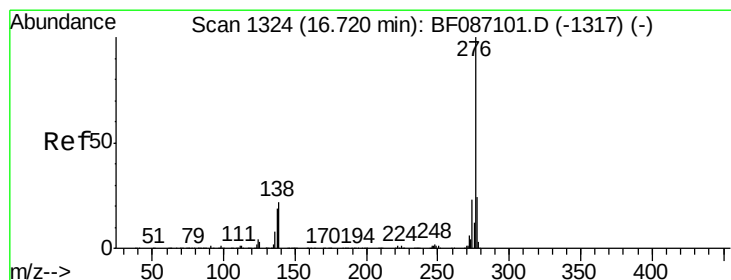
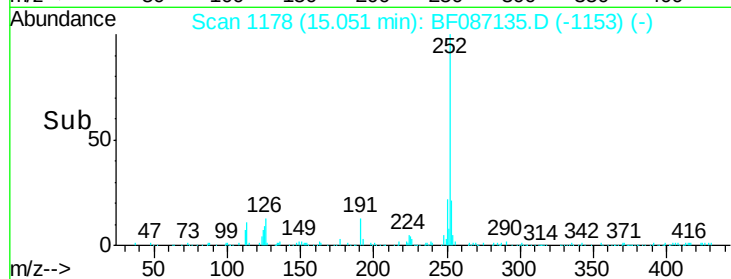
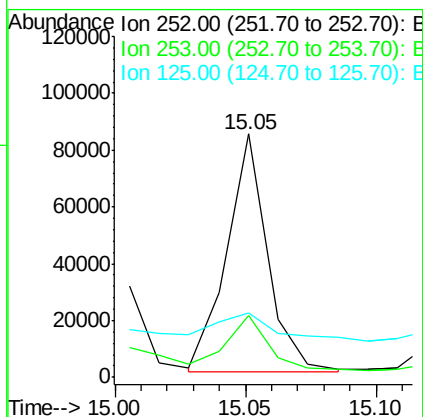
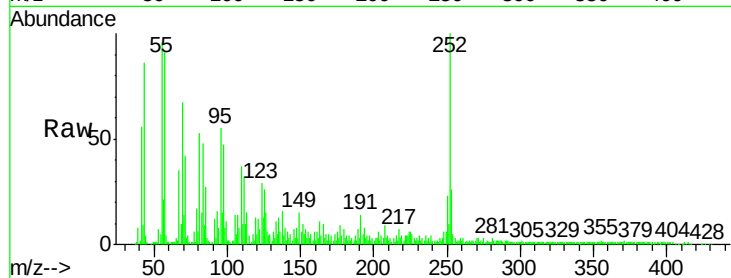




#89
Benzo(a)pyrene
Concen: 5.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	26.3	9.0	13.6



#91
Benzo(g,h,i)perylene
Concen: 4.20 ng
RT: 16.72 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF087135.D
Acq: 18 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.6	29.4
138	30.1	23.6	35.4

