

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087072.D
 Acq On : 15 May 2016 16:26
 Operator : UM/SJ
 Sample : H3038-05
 Misc :
 ALS Vial : 91 Sample Multiplier: 1

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

Quant Time: May 16 04:58:49 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

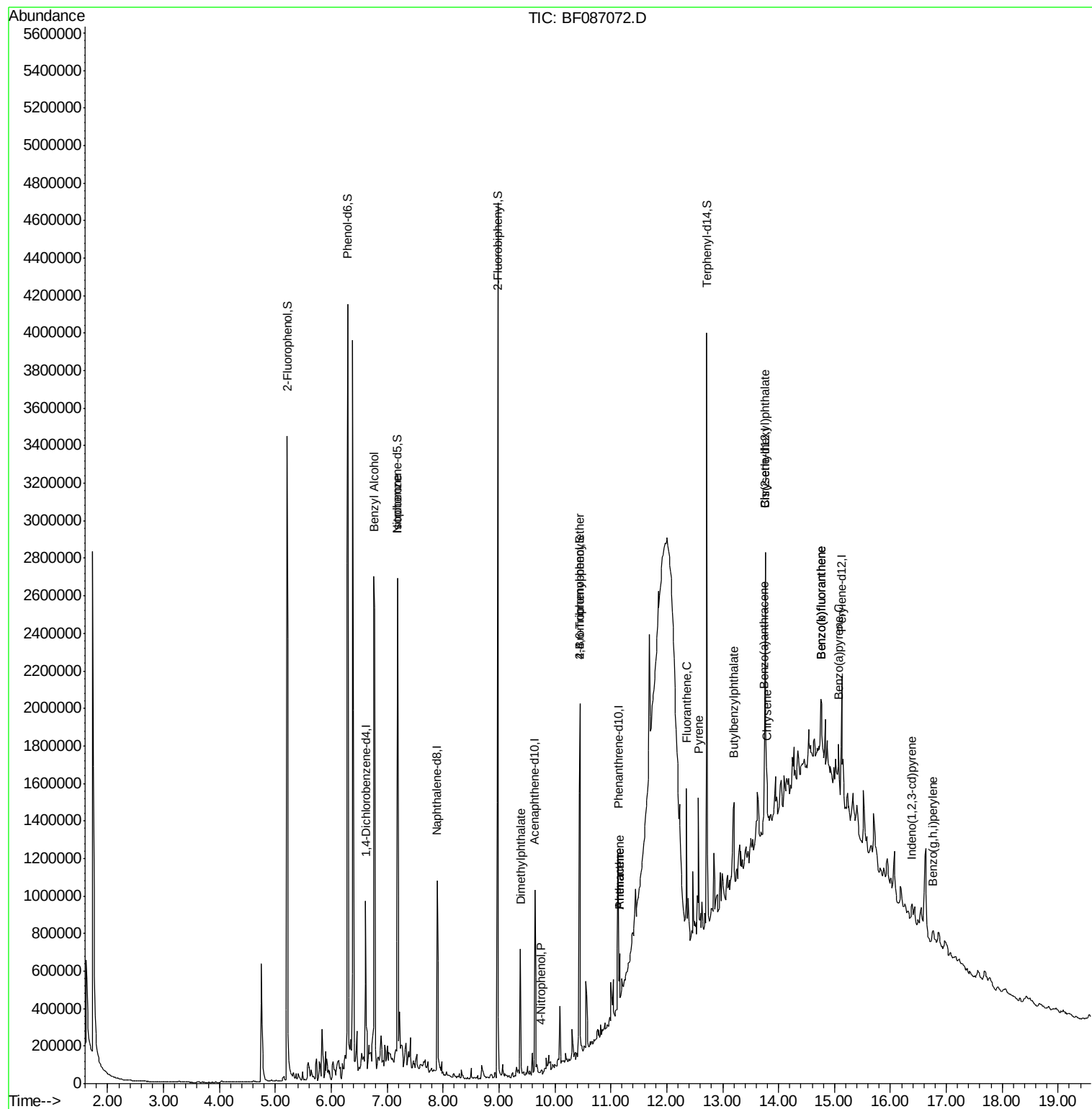
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	132803	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	500381	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	210716	20.00	ng	-0.09
63) Phenanthrene-d10	11.13	188	326861	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	284897	20.00	ng	-0.08
86) Perylene-d12	15.13	264	276602	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1132873	144.47	ng	-0.08
7) Phenol-d6	6.30	99	1593481	152.04	ng	-0.07
23) Nitrobenzene-d5	7.19	82	927234	93.05	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	282824	126.78	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1374958	109.67	ng	-0.08
78) Terphenyl-d14	12.72	244	977130	72.77	ng	-0.08
Target Compounds						Qvalue
15) Benzyl Alcohol	6.76	79	20055	2.77	ng	# 42
25) Isophorone	7.19	82	916498	49.57	ng	# 69
49) Dimethylphthalate	9.38	163	215519	13.41	ng	100
55) 4-Nitrophenol	9.76	139	809	4.88	ng	# 1
60) 4-Chlorophenyl-phenylether	10.02	204	468	Below	Cal	# 48
66) 4-Bromophenyl-phenylether	10.44	248	18383	5.55	ng	# 1
70) Phenanthrene	11.15	178	97885	5.61	ng	98
71) Anthracene	11.15	178	97885	5.49	ng	99
74) Fluoranthene	12.35	202	309797	17.27	ng	95
77) Pyrene	12.57	202	276327	12.67	ng	99
79) Butylbenzylphthalate	13.20	149	142950	15.49	ng	92
80) Benzo(a)anthracene	13.75	228	131569	8.23	ng	96
82) Chrysene	13.79	228	127481	7.84	ng	# 95
83) Bis(2-ethylhexyl)phthalate	13.76	149	206741	18.63	ng	98
85) Indeno(1,2,3-cd)pyrene	16.39	276	50203	3.71	ng	# 90
87) Benzo(b)fluoranthene	14.77	252	222819	12.39	ng	# 88
88) Benzo(k)fluoranthene	14.77	252	222819	15.14	ng	# 86
89) Benzo(a)pyrene	15.07	252	76695	4.95	ng	# 76
91) Benzo(g,h,i)perylene	16.77	276	47657	3.59	ng	94

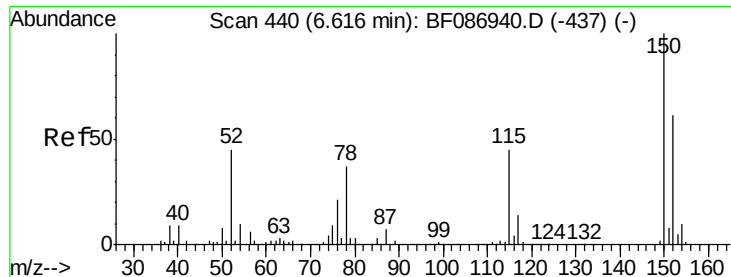
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

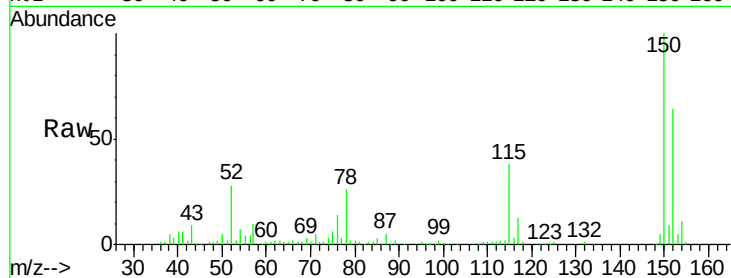
Tgt Ion:152 Resp: 132803

Ion Ratio Lower Upper

152 100

150 155.9 125.8 188.6

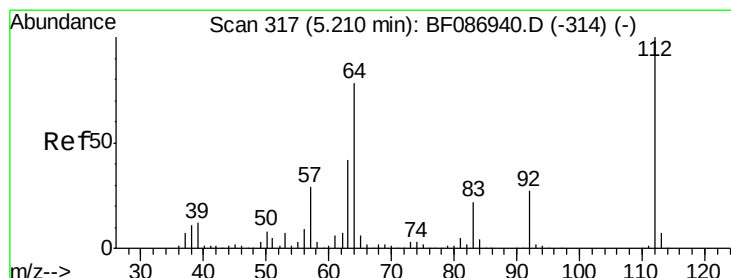
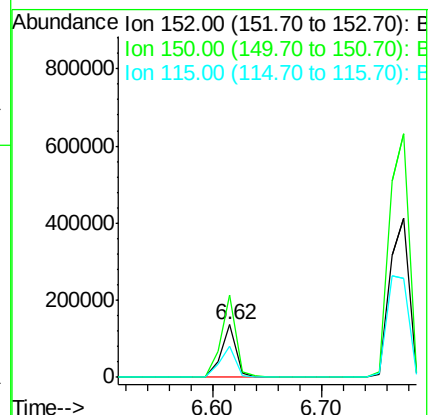
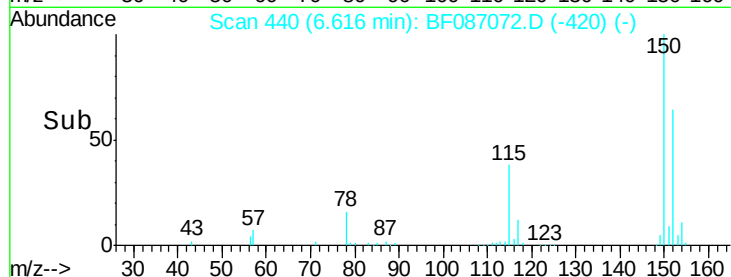
115 59.8 51.5 77.3



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: 144.47 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

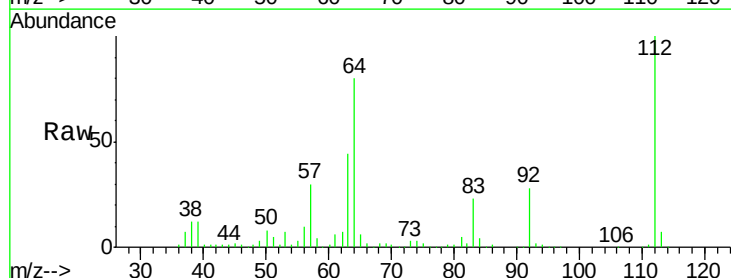
Tgt Ion:112 Resp: 1132873

Ion Ratio Lower Upper

112 100

64 79.8 52.1 78.1#

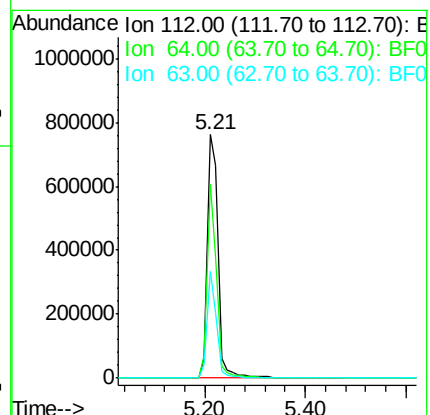
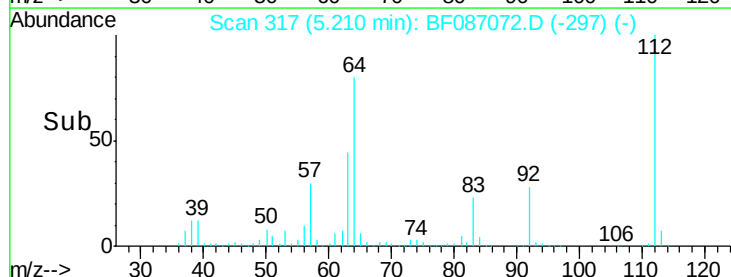
63 43.8 25.7 38.5#

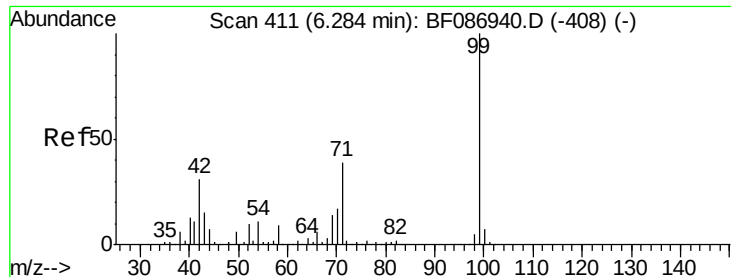


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 152.04 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.07 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

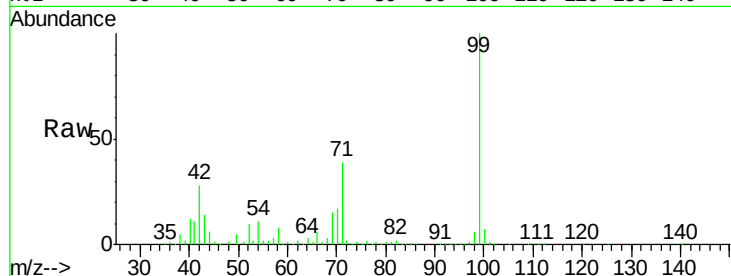
Tgt Ion: 99 Resp: 1593481

Ion Ratio Lower Upper

99 100

42 28.1 13.6 20.4#

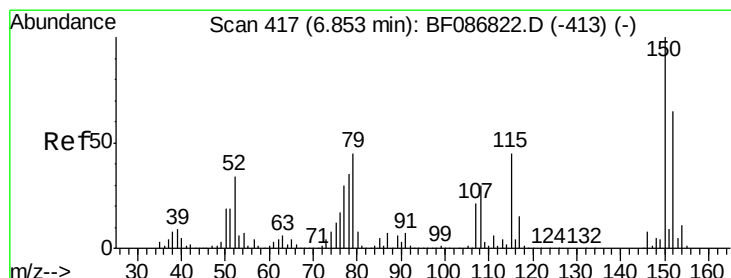
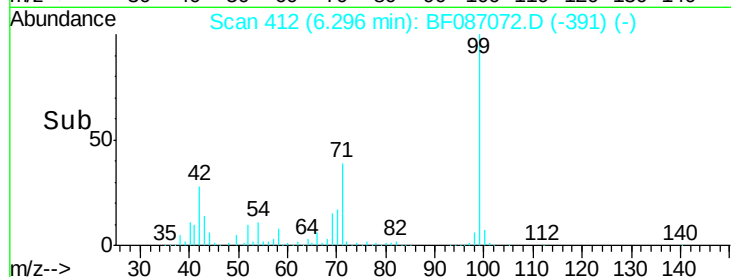
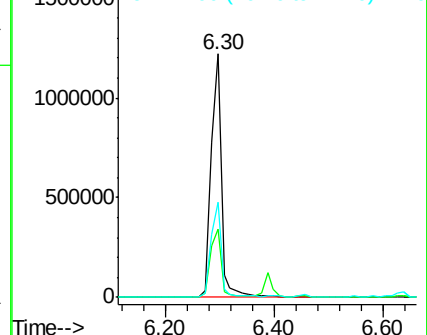
71 39.1 24.6 36.8#



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: 2.77 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

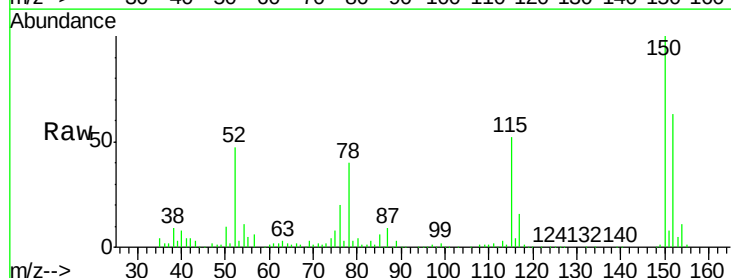
Tgt Ion: 79 Resp: 20055

Ion Ratio Lower Upper

79 100

108 29.4 68.4 102.6#

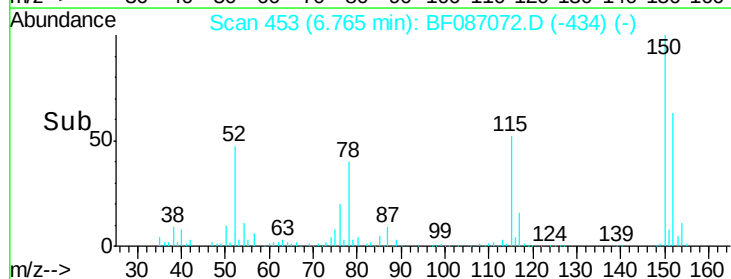
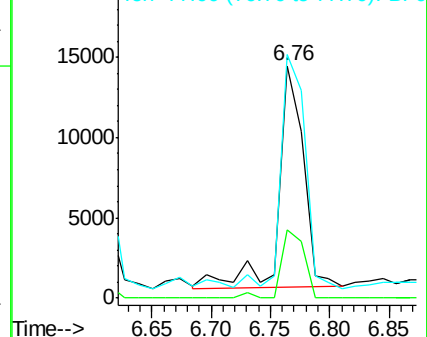
77 104.8 50.6 76.0#

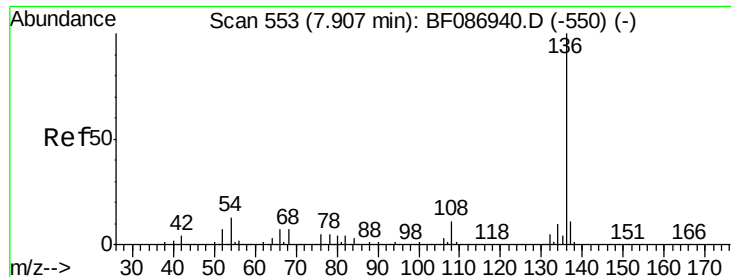


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

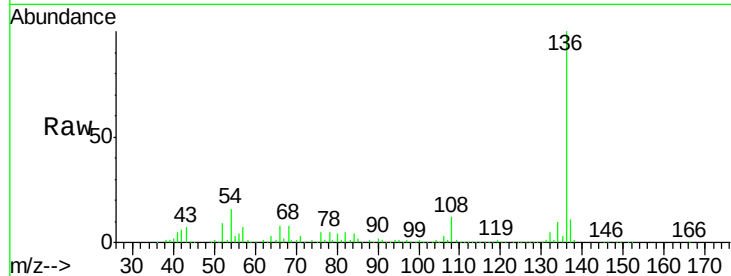




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

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

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	15.8	5.0	7.4#
68	8.0	4.4	6.6#



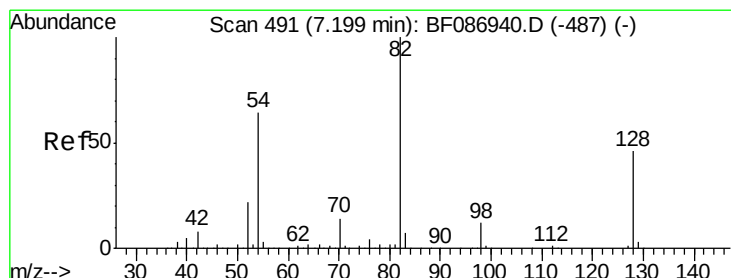
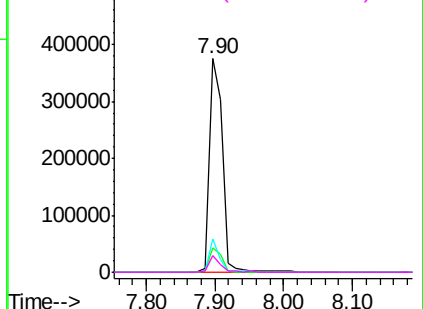
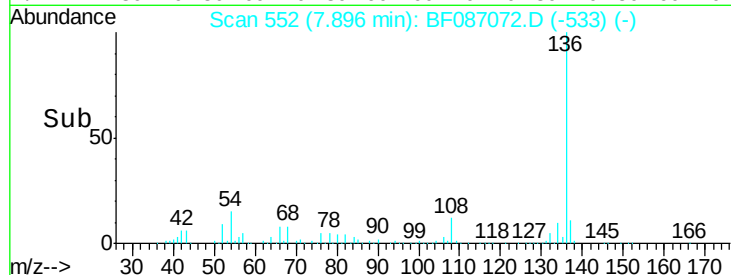
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

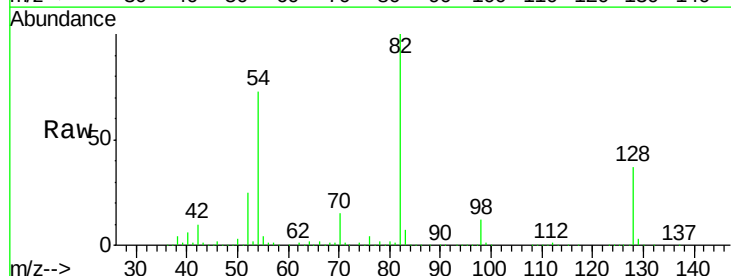
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 93.05 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.3	40.6	61.0#
54	73.1	38.1	57.1#

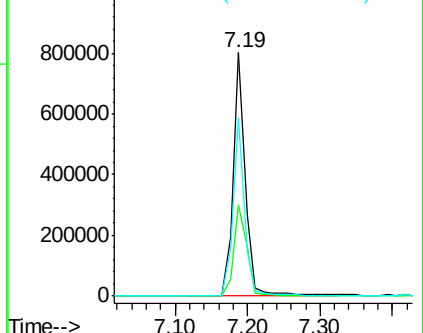
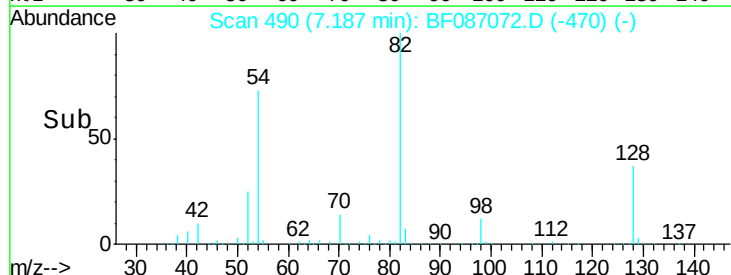


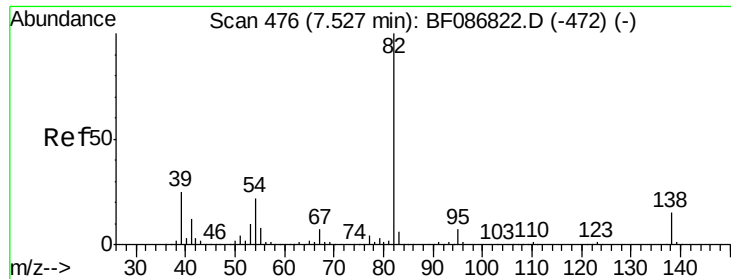
Abundance

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





#25

Isophorone

Concen: 49.57 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

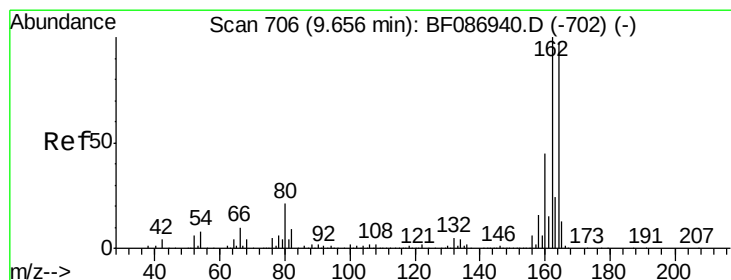
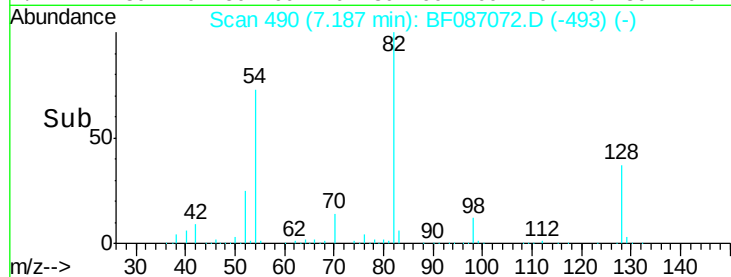
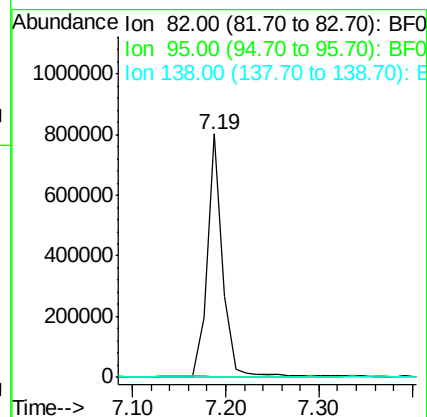
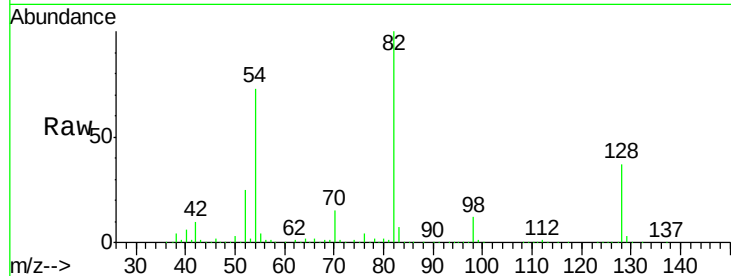
Tgt Ion: 82 Resp: 916498

Ion Ratio Lower Upper

82 100

95 0.3 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: BF087072.D

Acq: 15 May 2016 16:26

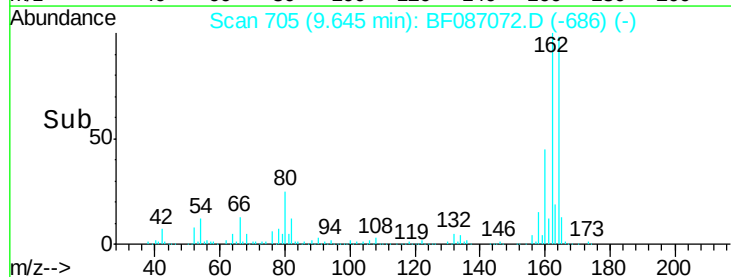
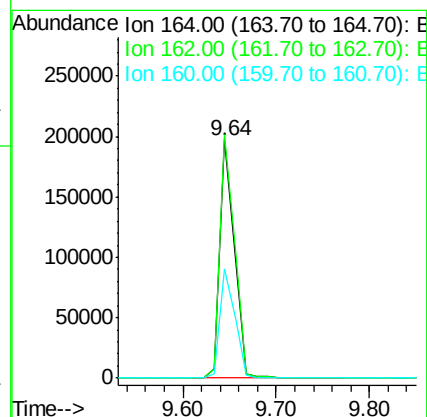
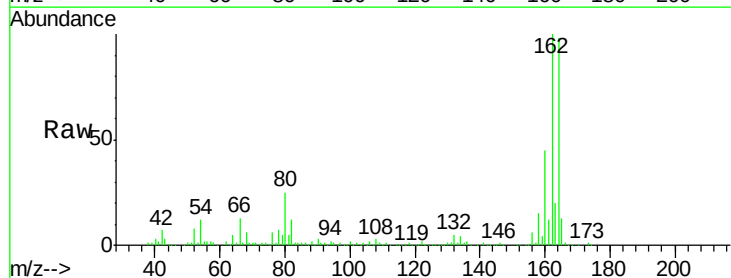
Tgt Ion: 164 Resp: 210716

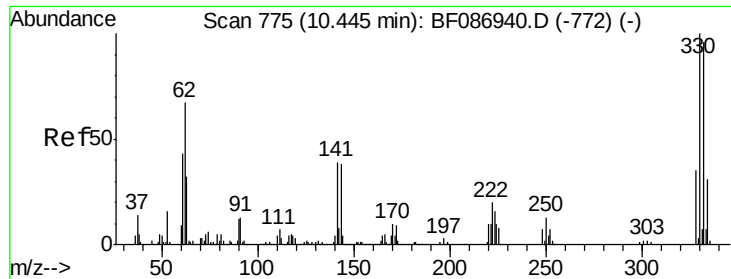
Ion Ratio Lower Upper

164 100

162 102.2 82.8 124.2

160 46.0 36.9 55.3

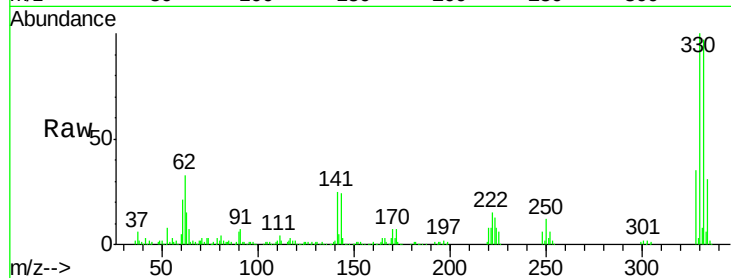




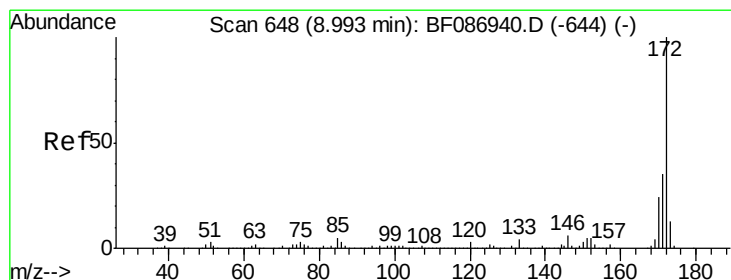
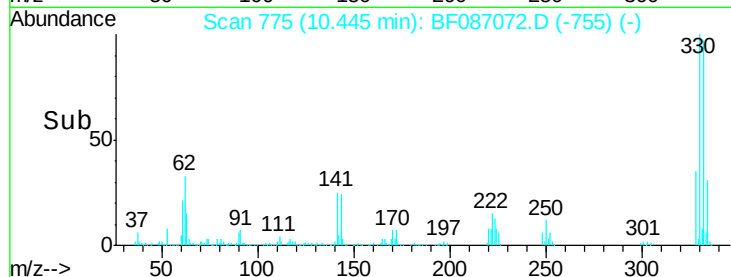
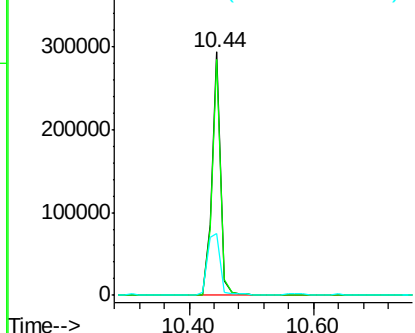
#41
 2,4,6-Tribromophenol
 Concen: 126.78 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087072.D
 Acq: 15 May 2016 16:26

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

Tgt Ion:330 Resp: 282824
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.0 118.4
 141 36.7 31.2 46.8

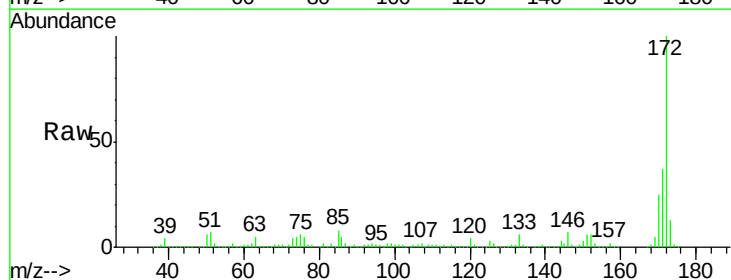


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

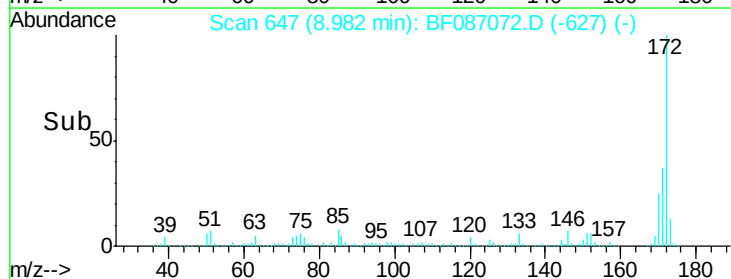
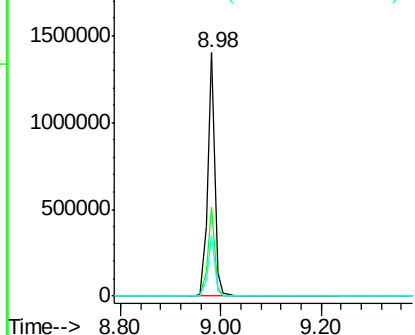


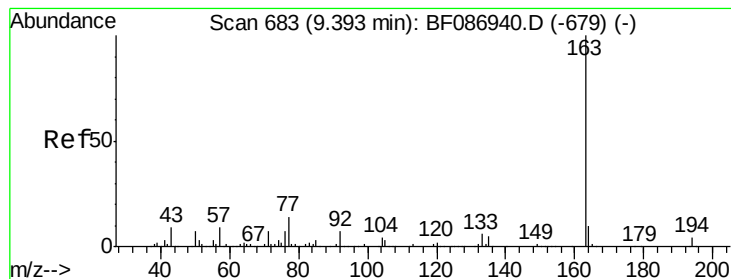
#44
 2-Fluorobiphenyl
 Concen: 109.67 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087072.D
 Acq: 15 May 2016 16:26

Tgt Ion:172 Resp: 1374958
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.6
 170 24.9 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: 13.41 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.09 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

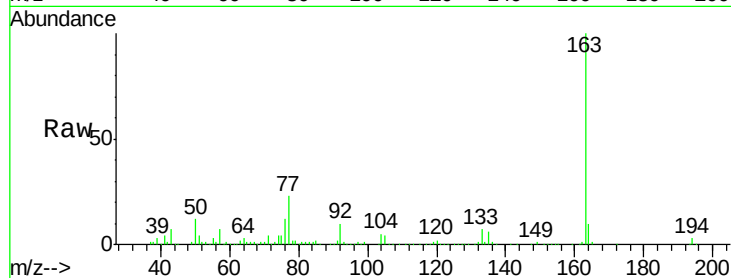
Tgt Ion:163 Resp: 215519

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

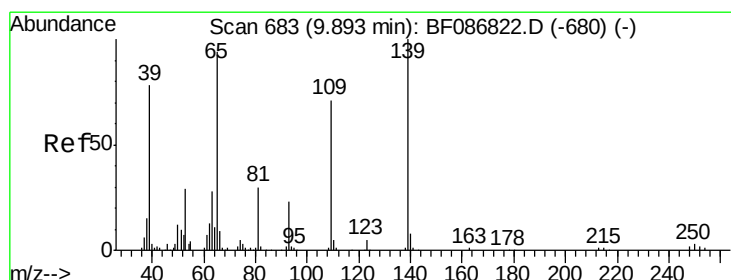
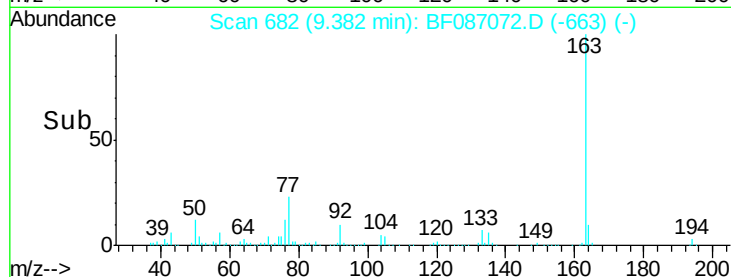
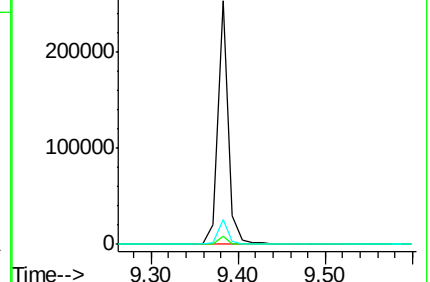
164 10.3 8.2 12.4



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



#55

4-Nitrophenol

Concen: 4.88 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.13 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

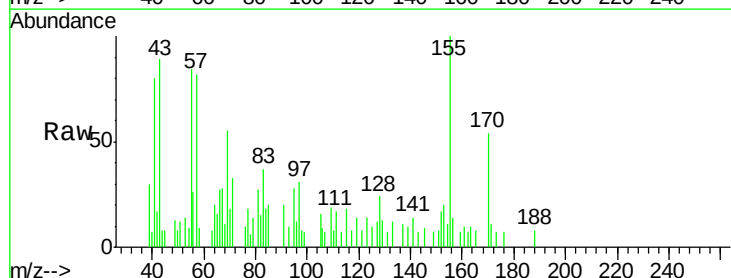
Tgt Ion:139 Resp: 809

Ion Ratio Lower Upper

139 100

109 180.6 36.9 76.9#

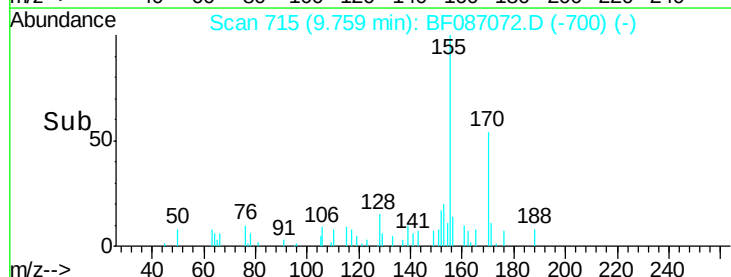
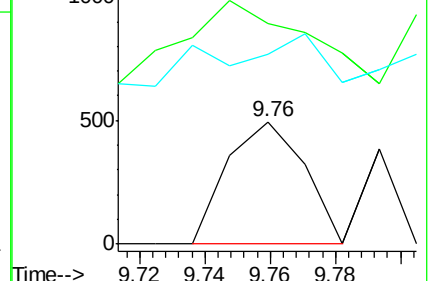
65 155.6 64.0 104.0#

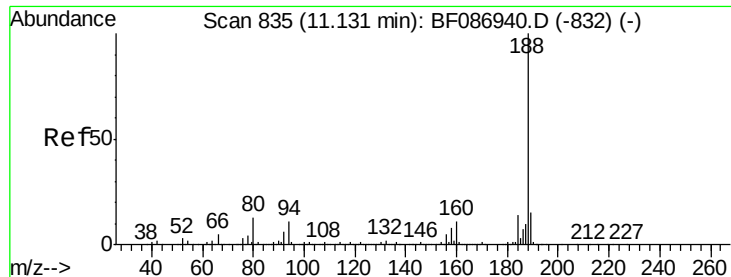


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

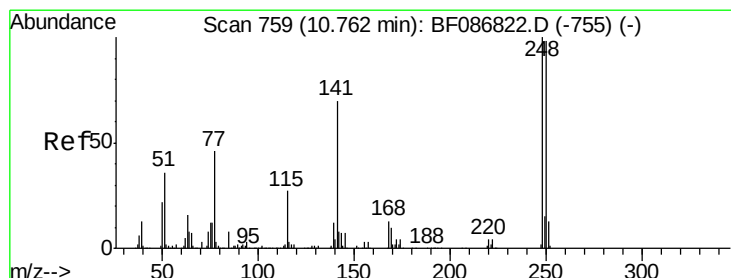
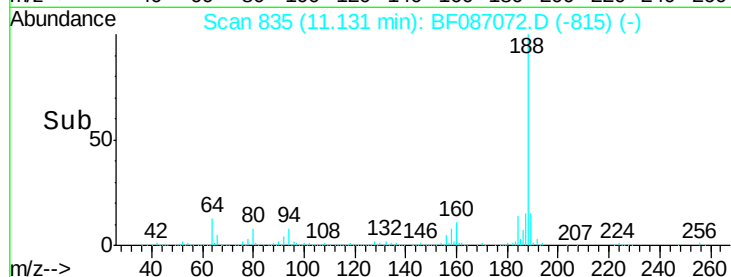
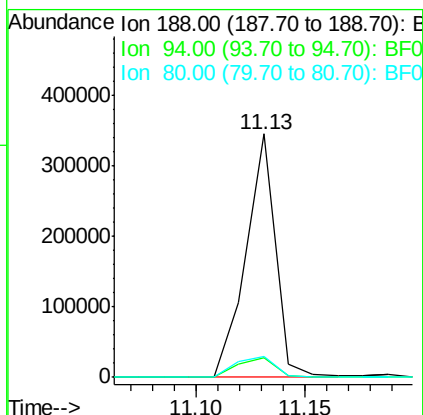
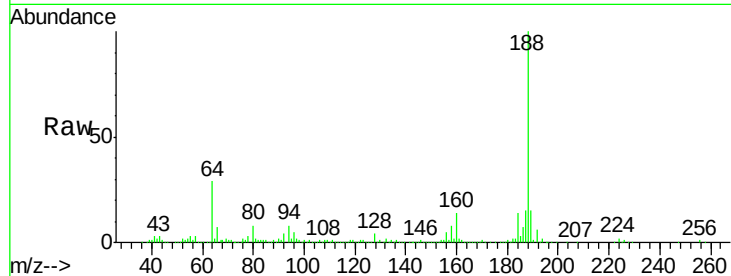




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.08 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

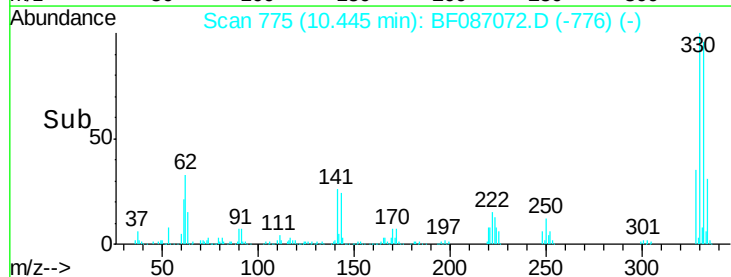
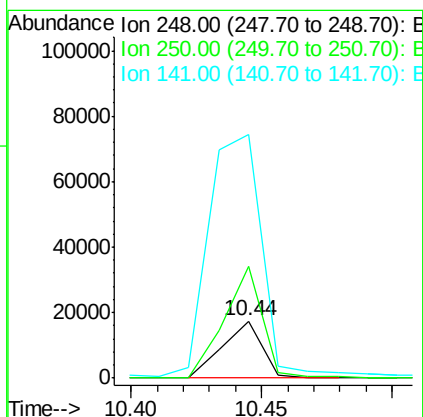
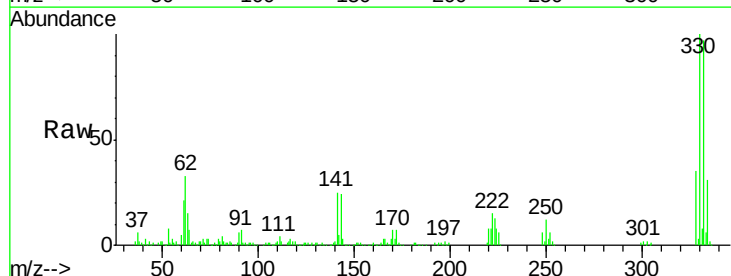
Instrument :
BNA_F
ClientSampleId :
PITT-2-N-EAST

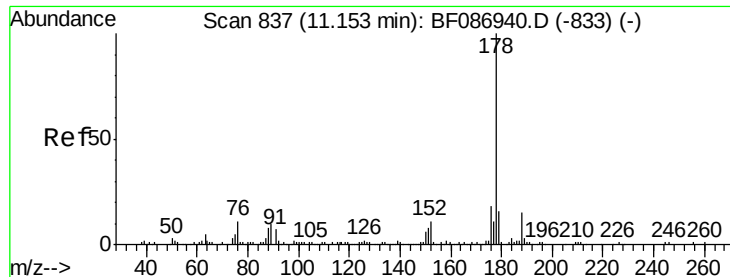
Tgt Ion:188 Resp: 326861
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.4 7.1 10.7



#66
4-Bromophenyl-phenylether
Concen: 5.55 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.32 min
Lab File: BF087072.D
Acq: 15 May 2016 16:26

Tgt Ion:248 Resp: 18383
Ion Ratio Lower Upper
248 100
250 193.9 78.6 117.8#
141 424.5 76.0 114.0#





#70

Phenanthrene

Concen: 5.61 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.08 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

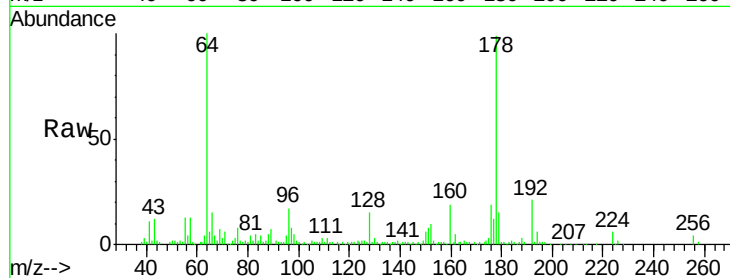
Tgt Ion:178 Resp: 97885

Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

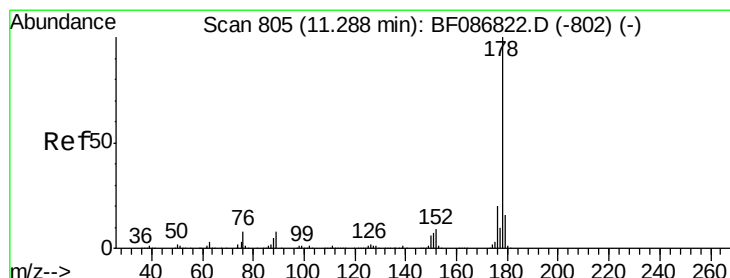
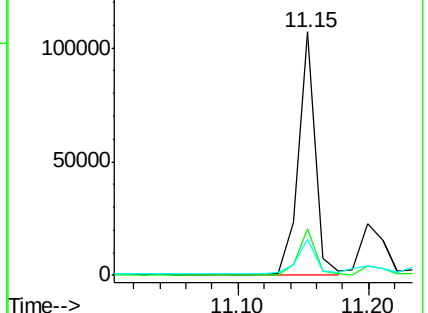
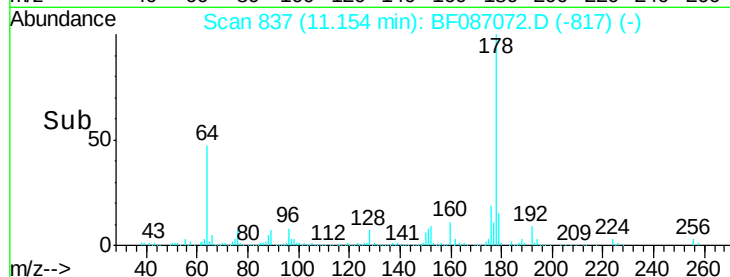
179 15.1 12.6 18.8



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: 5.49 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.13 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

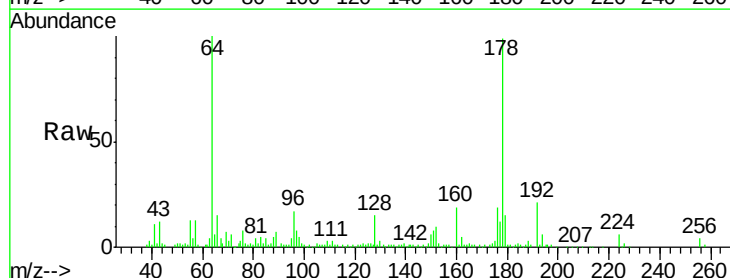
Tgt Ion:178 Resp: 97885

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

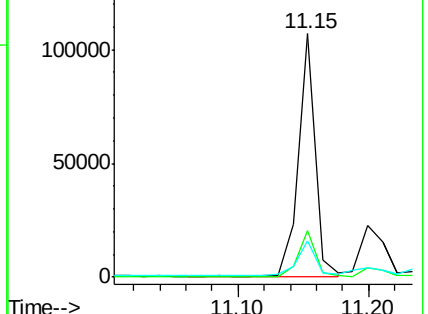
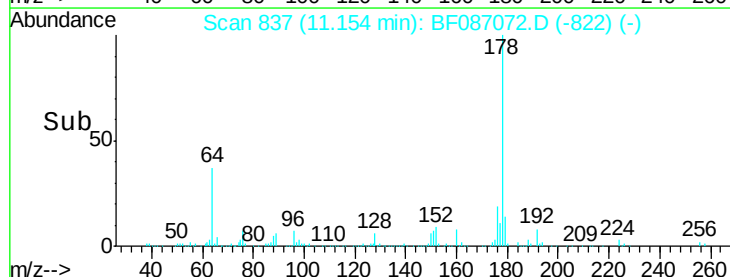
179 15.1 12.7 19.1

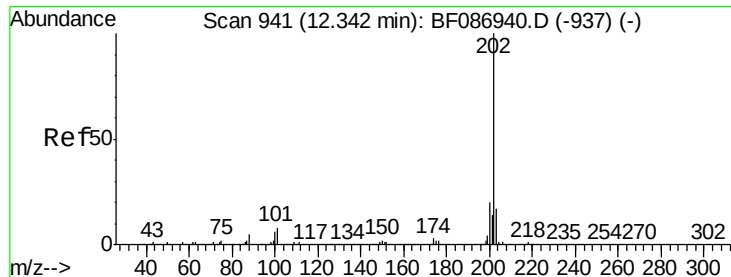


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.27 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

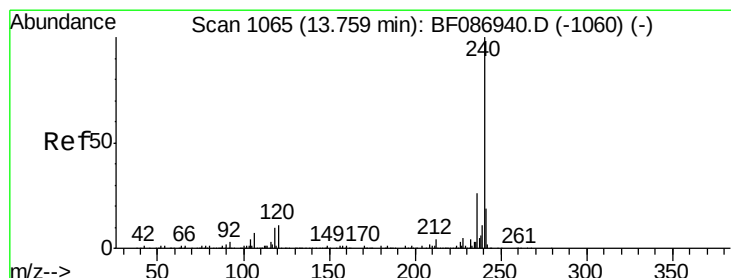
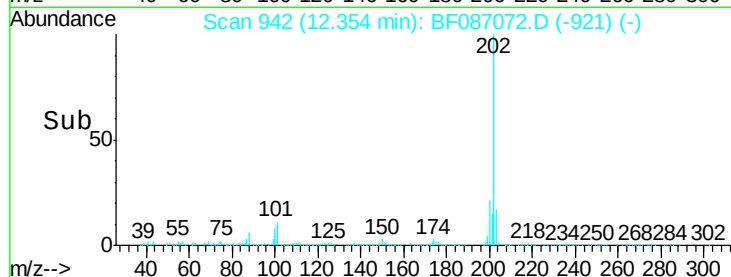
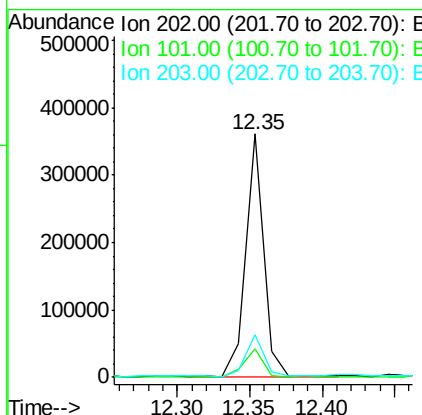
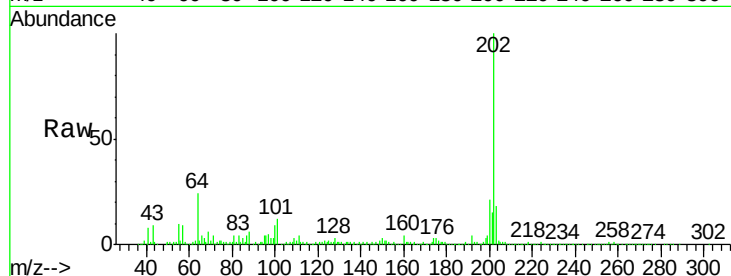
Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

Tgt Ion:	202	Resp:	309797
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	35.4
203	17.6	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

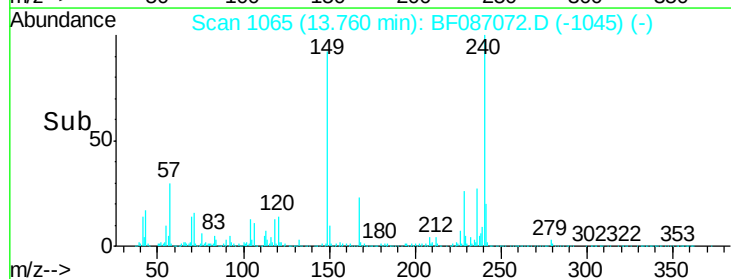
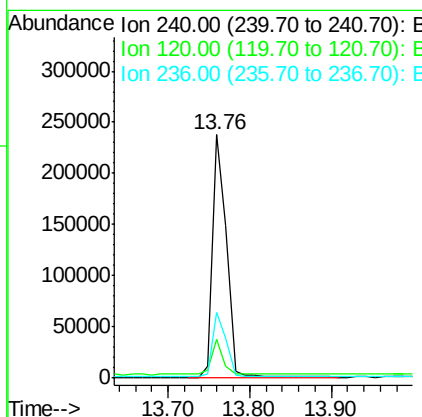
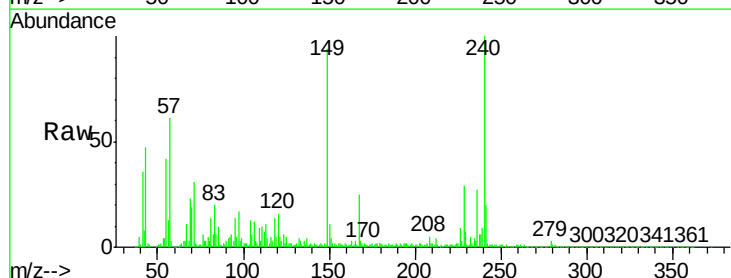
RT: 13.76 min Scan# 1065

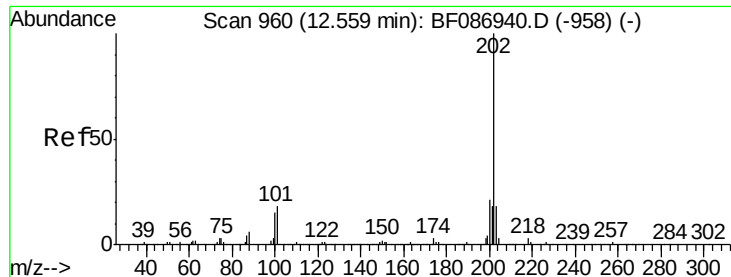
Delta R.T. -0.08 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Tgt Ion:	240	Resp:	284897
Ion	Ratio	Lower	Upper
240	100		
120	15.8	11.2	16.8
236	27.0	21.2	31.8





#77

Pyrene

Concen: 12.67 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.07 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

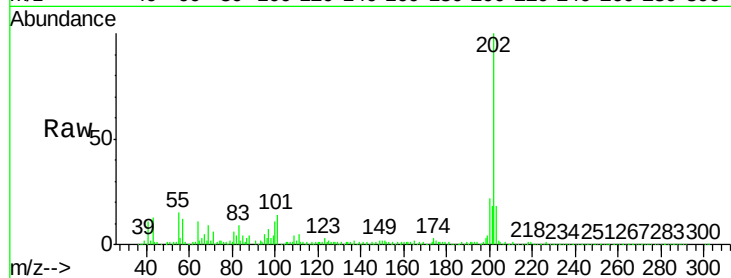
Tgt Ion:202 Resp: 276327

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

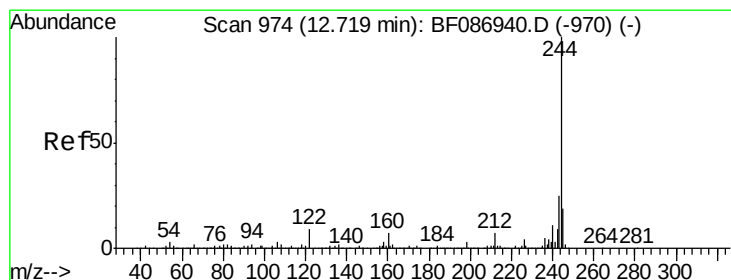
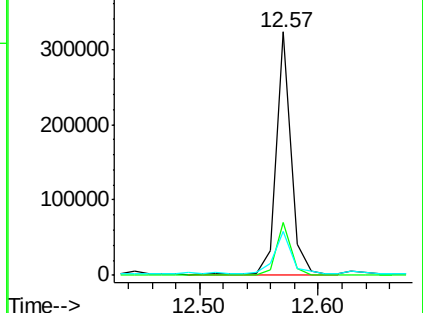
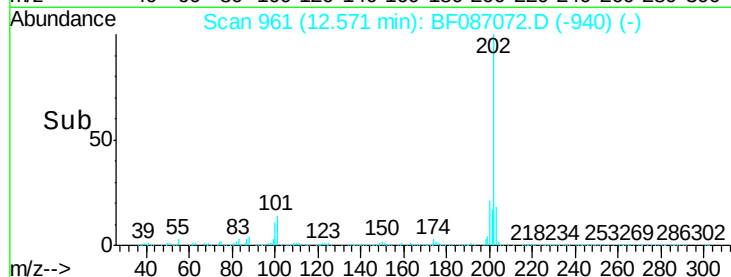
203 18.1 14.2 21.4



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: 72.77 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

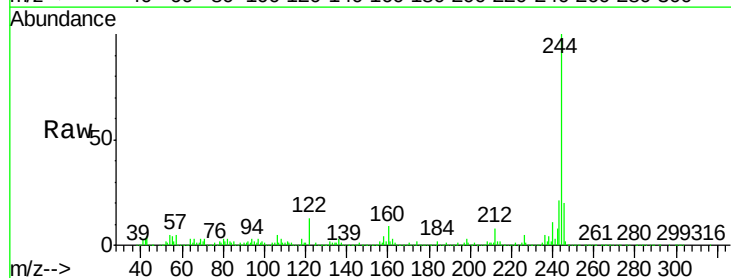
Tgt Ion:244 Resp: 977130

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

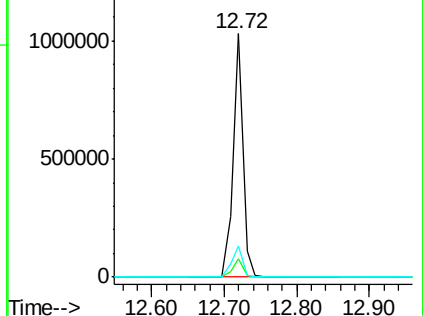
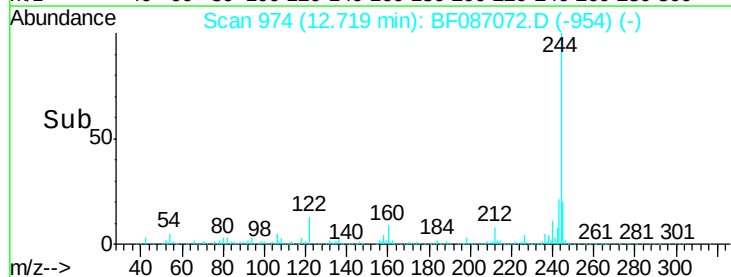
122 12.7 12.0 18.0

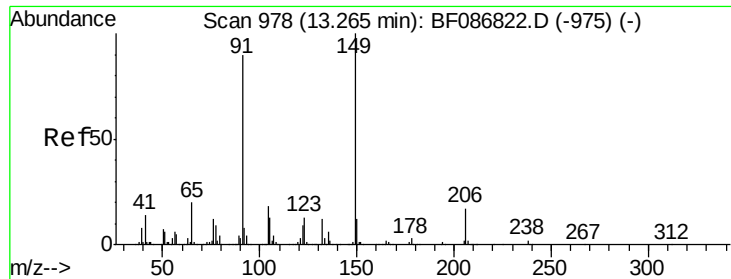


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 15.49 ng

RT: 13.20 min Scan# 1016

Delta R.T. -0.07 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

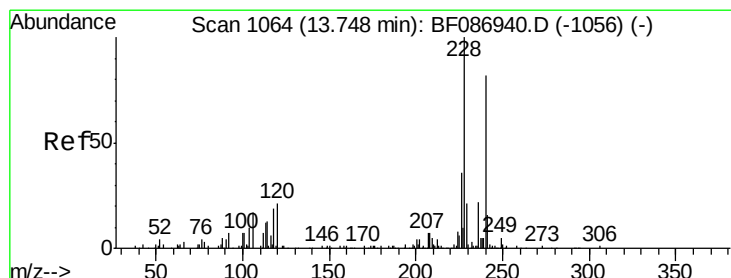
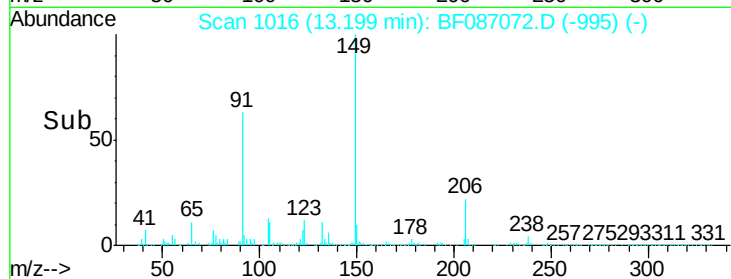
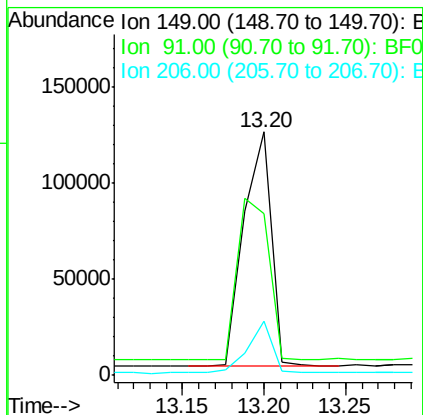
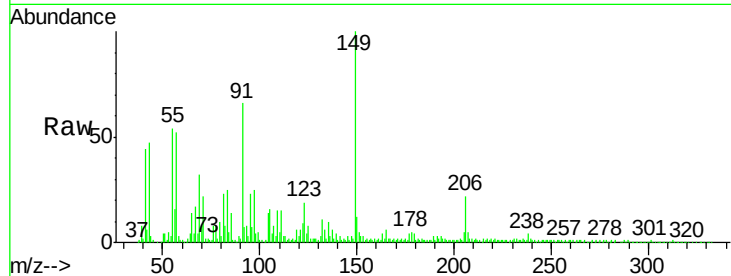
Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

Tgt Ion:	149	Resp:	142950
Ion	Ratio	Lower	Upper
149	100		
91	66.5	48.0	72.0
206	22.3	15.8	23.6



#80

Benzo(a)anthracene

Concen: 8.23 ng

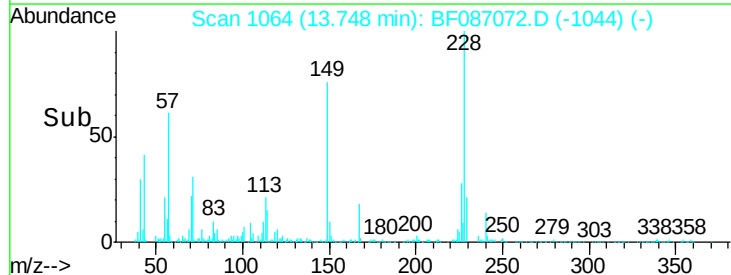
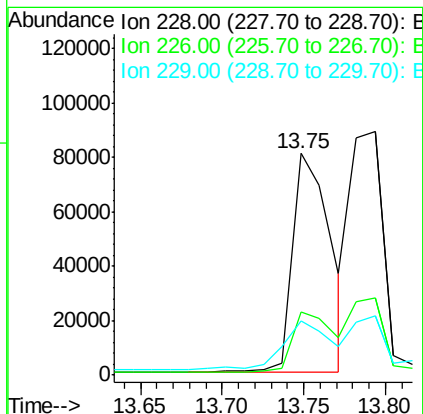
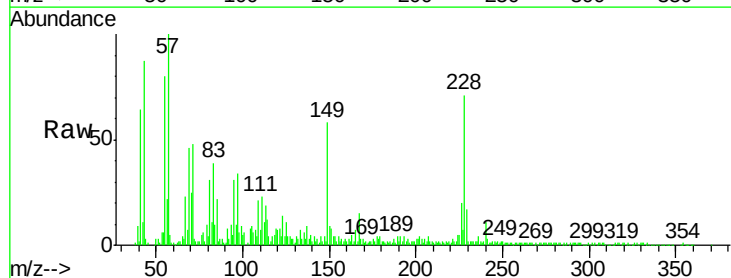
RT: 13.75 min Scan# 1064

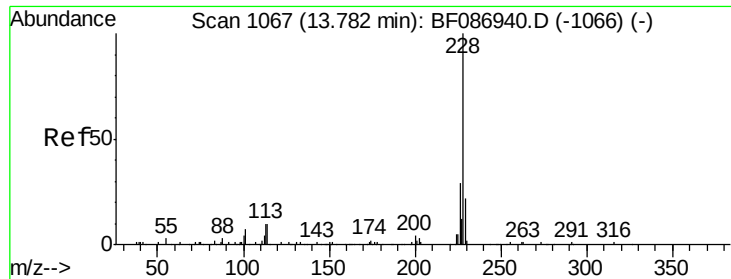
Delta R.T. -0.08 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Tgt Ion:	228	Resp:	131569
Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	24.3	16.6	25.0





#82

Chrysene

Concen: 7.84 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.07 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

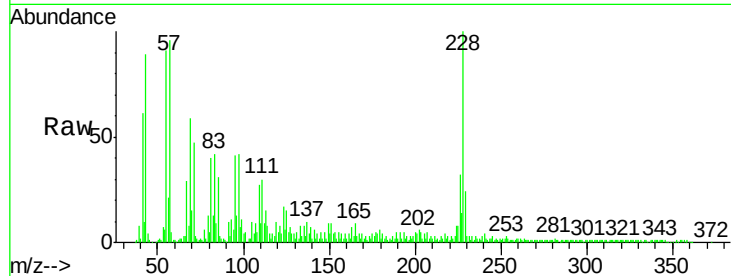
Tgt Ion: 228 Resp: 127481

Ion Ratio Lower Upper

228 100

226 31.7 24.4 36.6

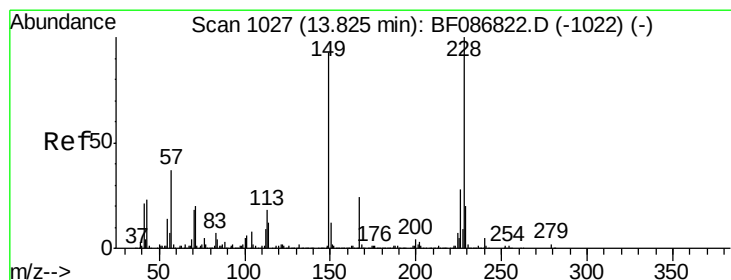
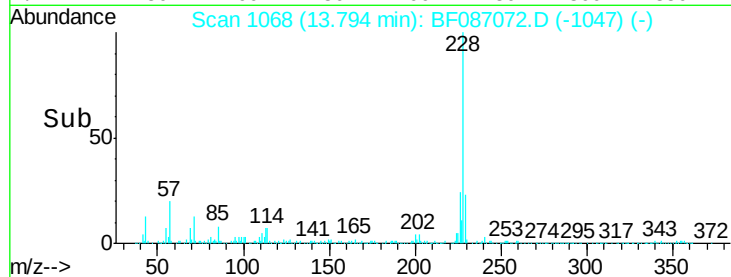
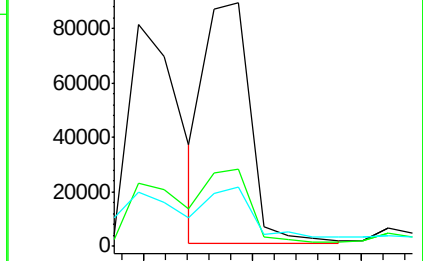
229 24.3 15.8 23.8#



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: 18.63 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.07 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

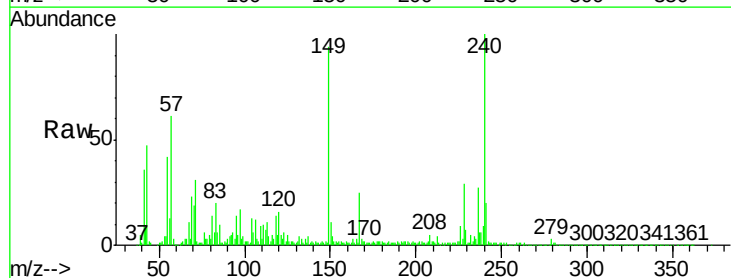
Tgt Ion: 149 Resp: 206741

Ion Ratio Lower Upper

149 100

167 26.1 21.8 32.6

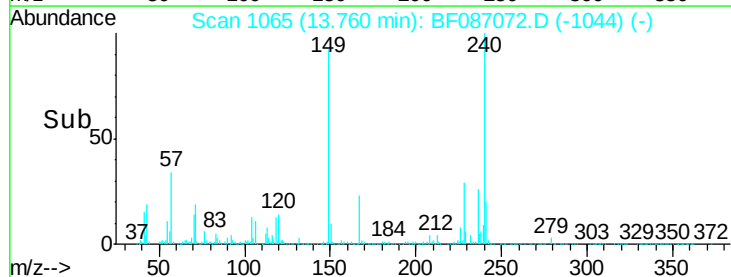
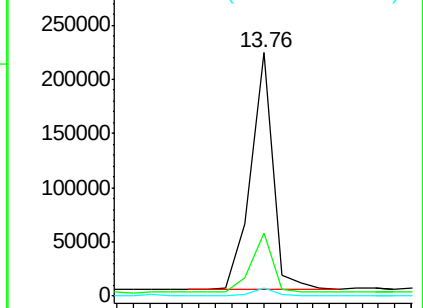
279 3.3 2.6 4.0

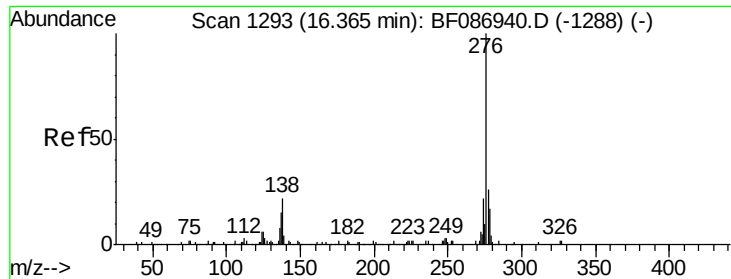


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.71 ng

RT: 16.39 min Scan# 1295

Delta R.T. -0.11 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

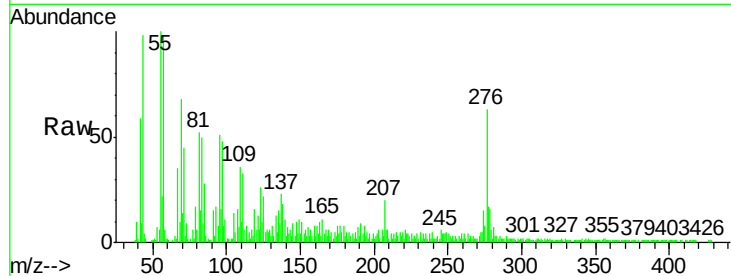
Tgt Ion:276 Resp: 50203

Ion Ratio Lower Upper

276 100

138 22.7 25.6 38.4#

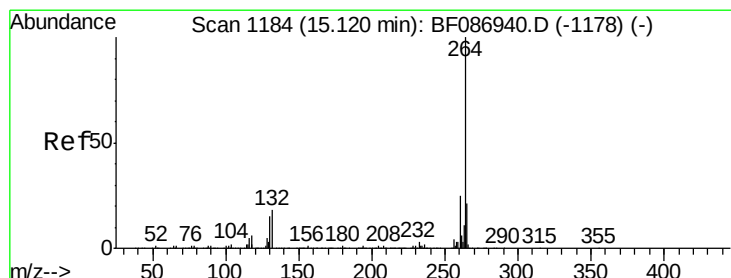
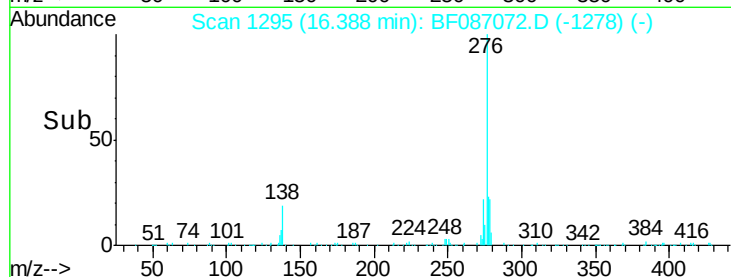
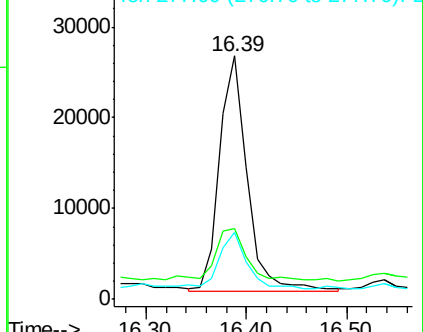
277 24.6 20.5 30.7



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: 15.13 min Scan# 1185

Delta R.T. -0.08 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

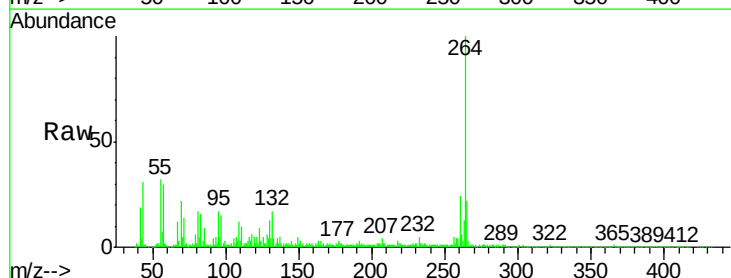
Tgt Ion:264 Resp: 276602

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

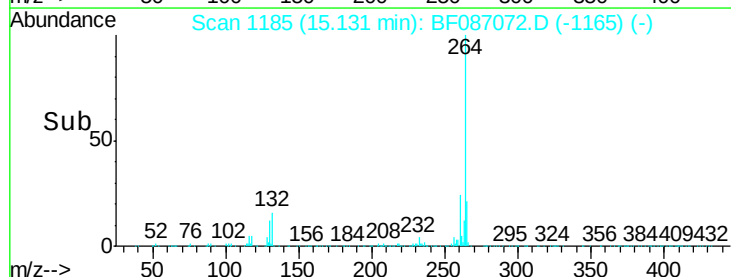
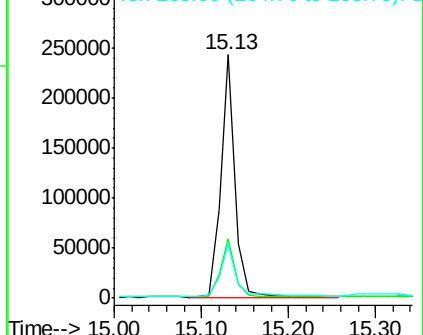
265 22.1 17.3 25.9

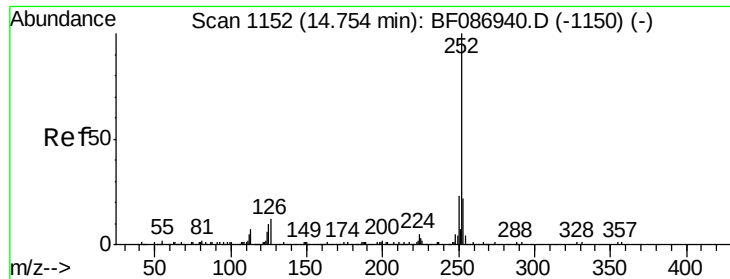


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 12.39 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.07 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

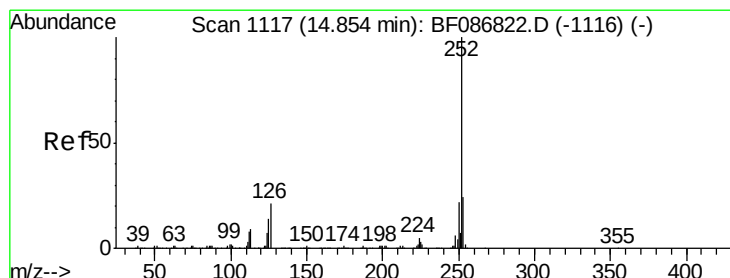
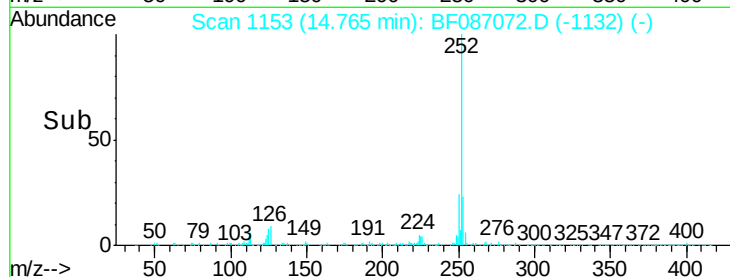
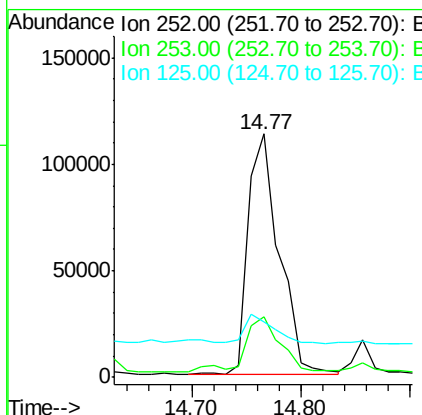
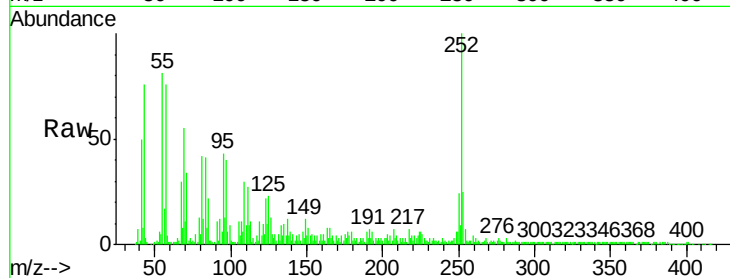
Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

Tgt Ion:	252	Resp:	222819
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.8	26.6
125	22.8	11.4	17.0#



#88

Benzo(k)fluoranthene

Concen: 15.14 ng

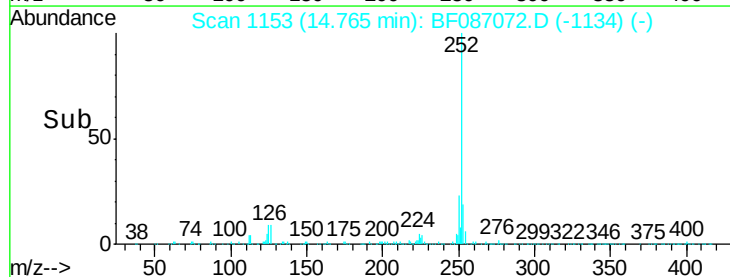
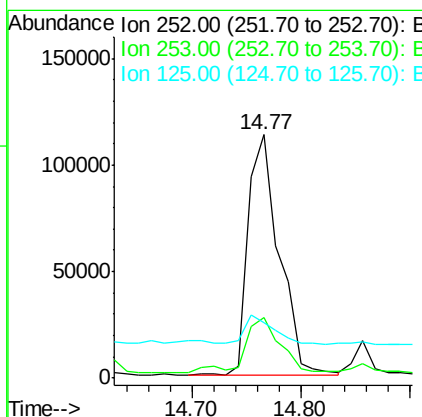
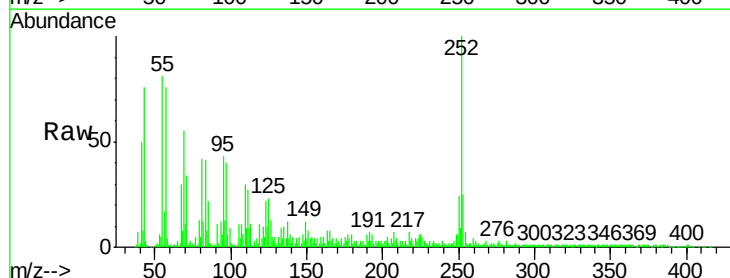
RT: 14.77 min Scan# 1153

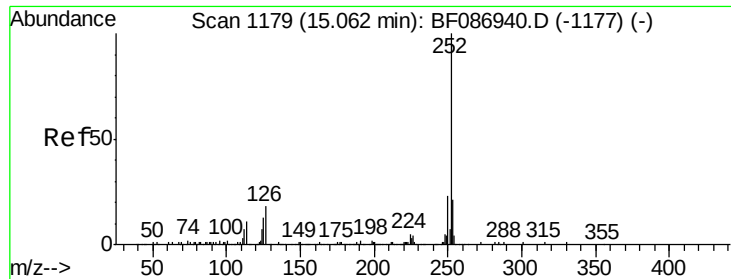
Delta R.T. -0.09 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Tgt Ion:	252	Resp:	222819
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.8	26.6
125	22.8	9.1	13.7#





#89

Benzo(a)pyrene

Concen: 4.95 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.08 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EAST

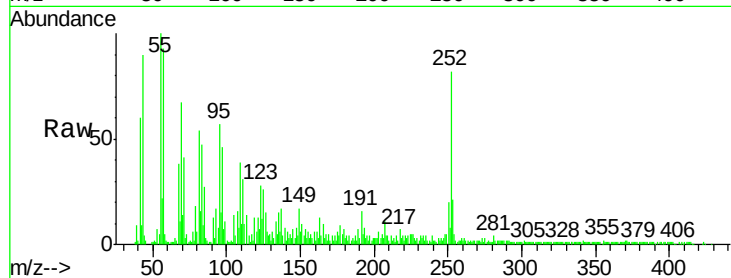
Tgt Ion:252 Resp: 76695

Ion Ratio Lower Upper

252 100

253 25.7 17.2 25.8

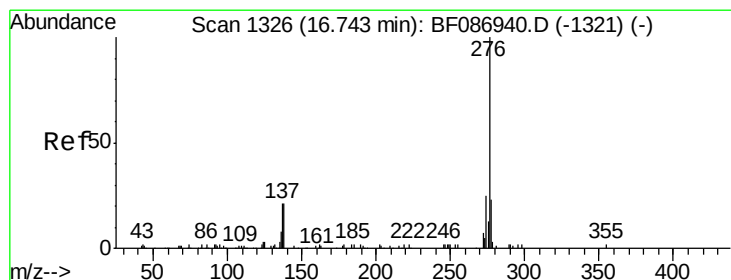
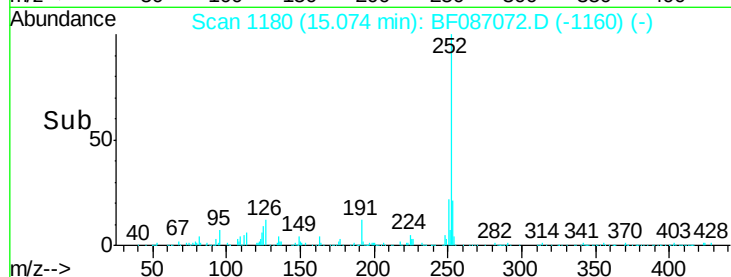
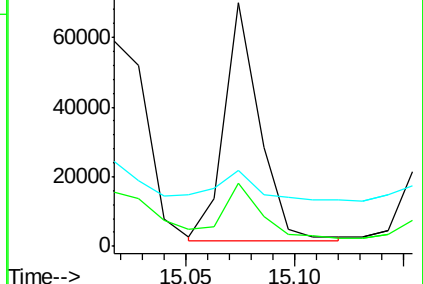
125 31.3 9.0 13.6#



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: 3.59 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.12 min

Lab File: BF087072.D

Acq: 15 May 2016 16:26

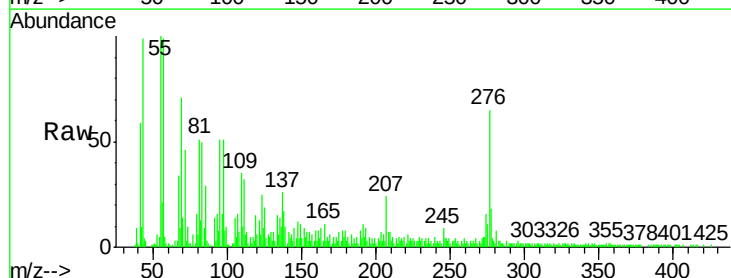
Tgt Ion:276 Resp: 47657

Ion Ratio Lower Upper

276 100

277 27.3 19.6 29.4

138 26.0 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

