

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
 Data File : BF087094.D
 Acq On : 16 May 2016 21:20
 Operator : UM/SJ
 Sample : H3038-05RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: May 17 00:57:51 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	6.76	152	568834	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	571258	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	229873	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	356087	20.00	ng	-0.09
75) Chrysene-d12	13.76	240	288303	20.00	ng	-0.08
86) Perylene-d12	15.12	264	221935	20.00	ng	-0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1357801	40.42	ng	-0.08
7) Phenol-d6	6.28	99	1554176	34.62	ng	-0.08
23) Nitrobenzene-d5	7.19	82	1219280	107.17	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	277097	113.86	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1561306	114.15	ng	-0.08
78) Terphenyl-d14	12.71	244	1172506	86.29	ng	-0.09

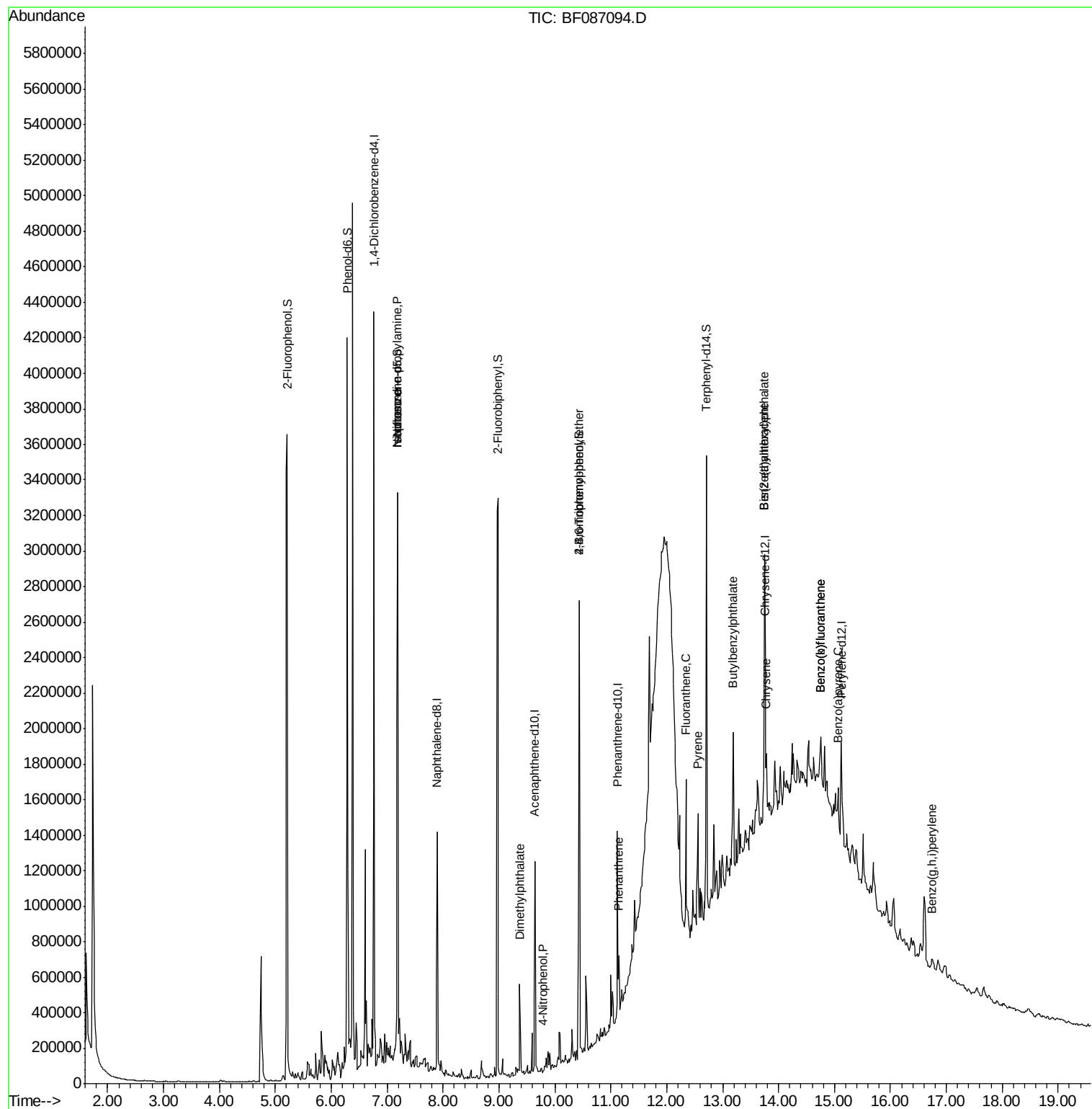
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	203025	6.47	ng	# 78
25) Isophorone	7.19	82	1145295	54.26	ng	# 69
49) Dimethylphthalate	9.37	163	205986	11.75	ng	99
55) 4-Nitrophenol	9.79	139	279	4.66	ng	# 1
60) 4-Chlorophenyl-phenylether	10.01	204	584	Below Cal		# 69
66) 4-Bromophenyl-phenylether	10.43	248	18162	5.03	ng	# 1
70) Phenanthrene	11.14	178	108294	5.70	ng	99
74) Fluoranthene	12.34	202	345500	17.68	ng	98
77) Pyrene	12.56	202	295452	13.39	ng	98
79) Butylbenzylphthalate	13.19	149	167687	17.96	ng	# 80
80) Benzo(a)anthracene	13.75	228	116812	7.22	ng	97
82) Chrysene	13.78	228	140149	8.51	ng	97
83) Bis(2-ethylhexyl)phthalate	13.75	149	230228	20.50	ng	# 97
87) Benzo(b)fluoranthene	14.75	252	180355	12.50	ng	# 88
88) Benzo(k)fluoranthene	14.75	252	180355	15.27	ng	# 86
89) Benzo(a)pyrene	15.06	252	62682	5.04	ng	# 65
91) Benzo(g,h,i)perylene	16.74	276	45254	4.25	ng	97

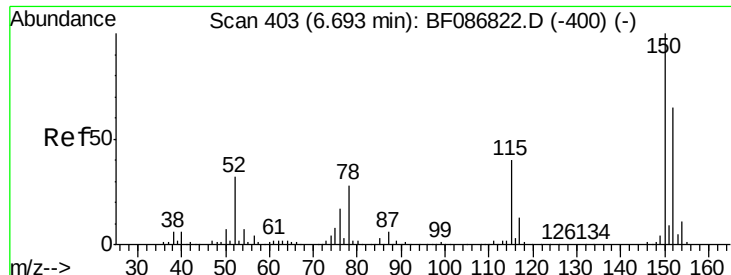
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

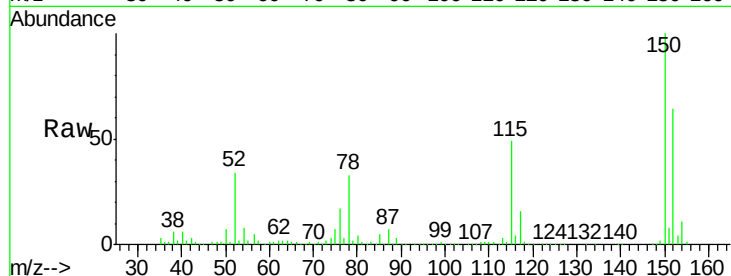
Tgt Ion:152 Resp: 568834

Ion Ratio Lower Upper

152 100

150 155.6 125.8 188.6

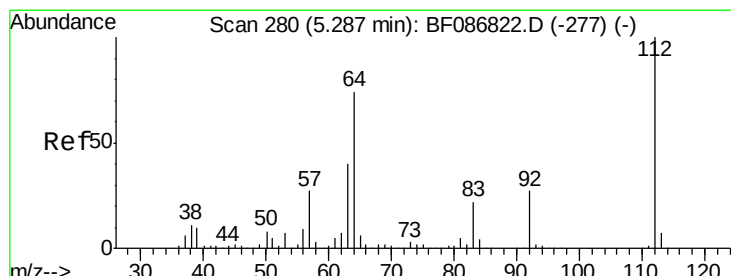
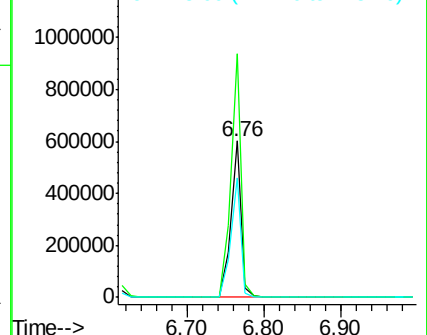
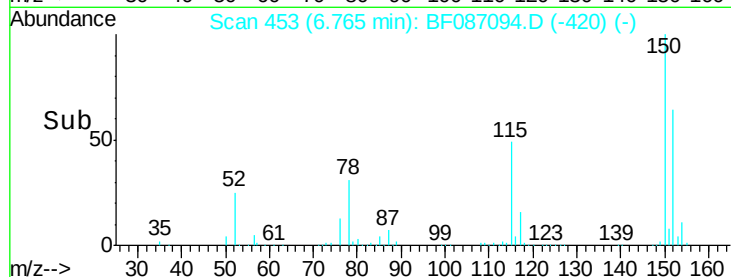
115 76.1 51.5 77.3



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: 40.42 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

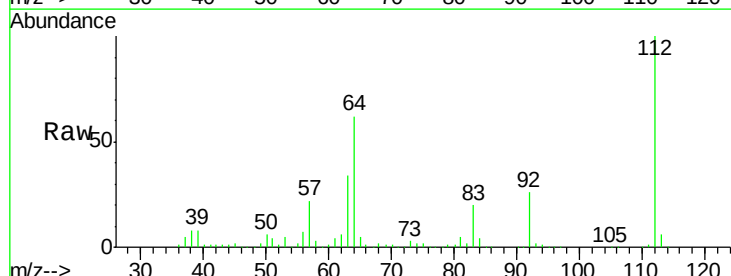
Tgt Ion:112 Resp: 1357801

Ion Ratio Lower Upper

112 100

64 62.3 52.1 78.1

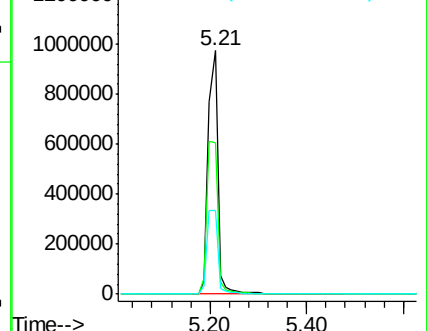
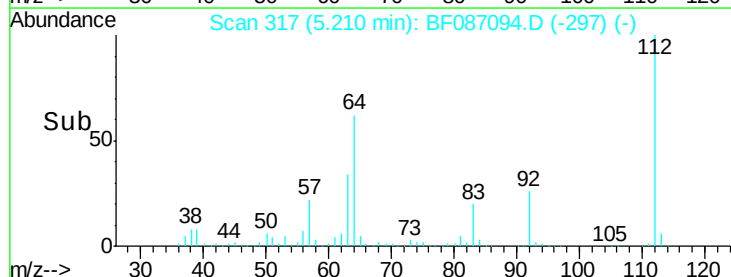
63 34.1 25.7 38.5

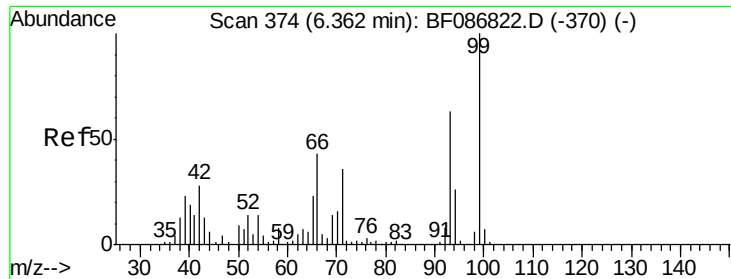


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.62 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

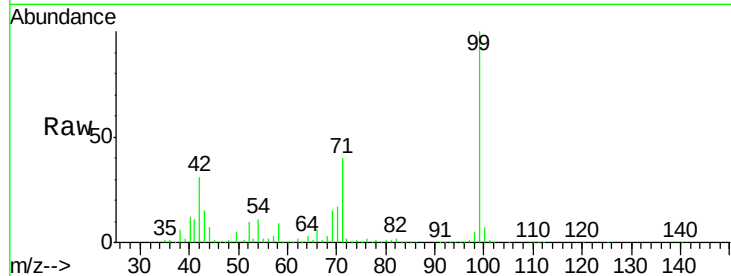
Tgt Ion: 99 Resp: 1554176

Ion Ratio Lower Upper

99 100

42 30.8 13.6 20.4#

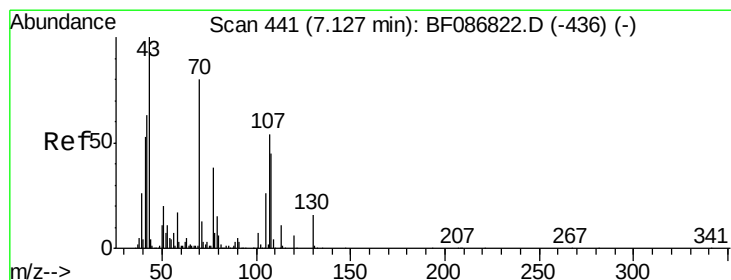
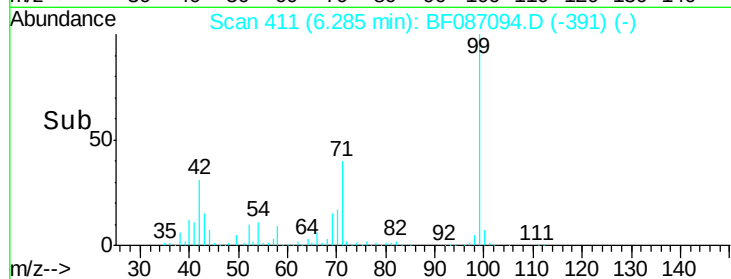
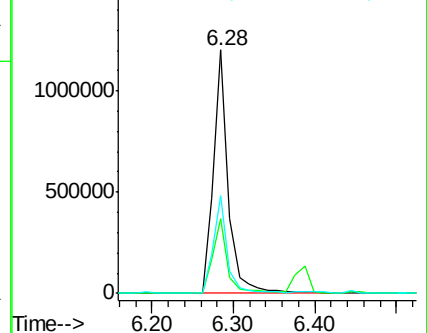
71 40.1 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.47 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

Tgt Ion: 70 Resp: 203025

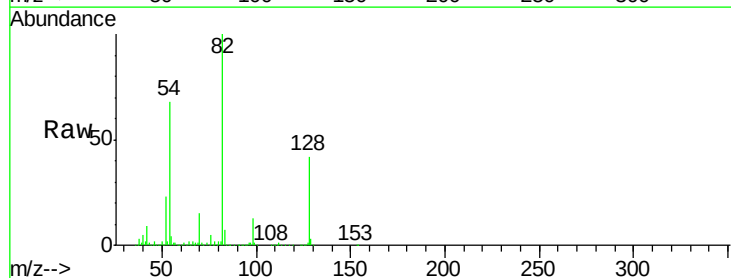
Ion Ratio Lower Upper

70 100

42 62.7 43.1 64.7

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

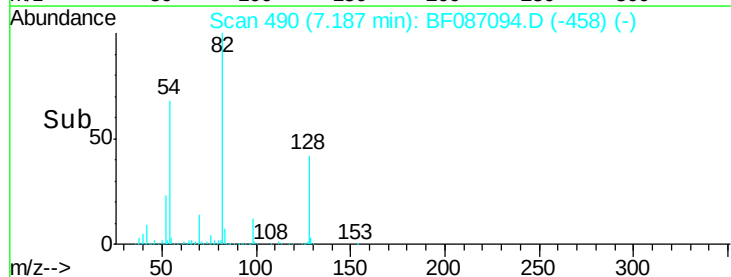
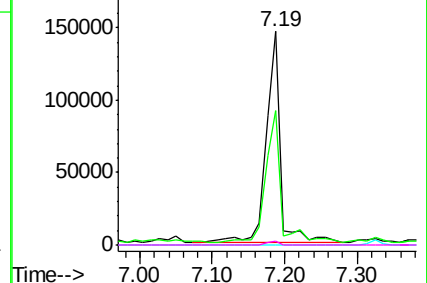


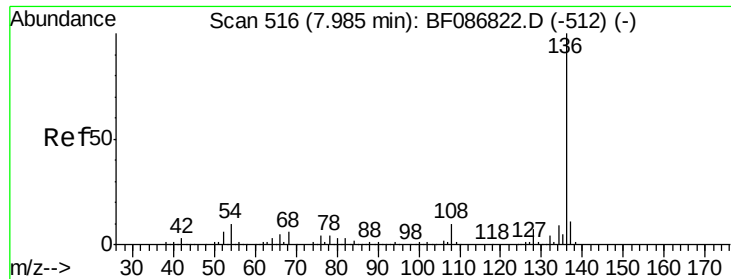
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.09 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

Tgt Ion:136 Resp: 571258

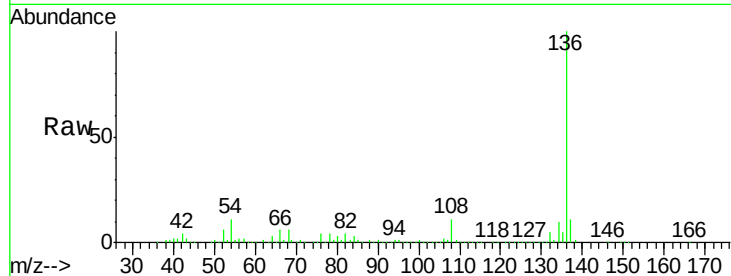
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 11.0 5.0 7.4#

68 6.0 4.4 6.6

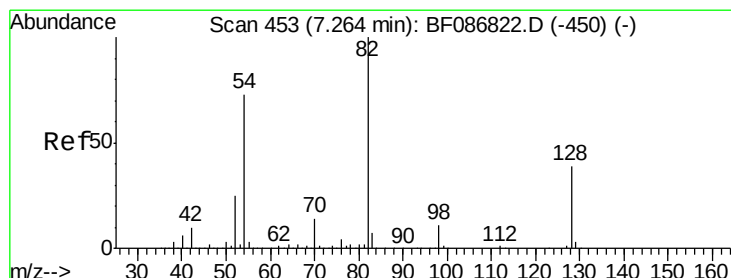
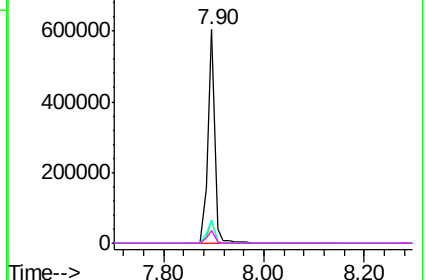
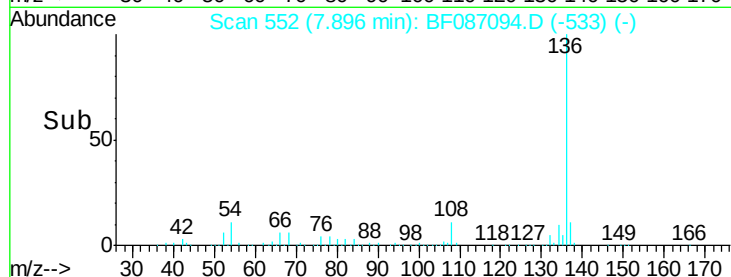


Abundance Ion 136.00 (135.70 to 136.70): E

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: 107.17 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

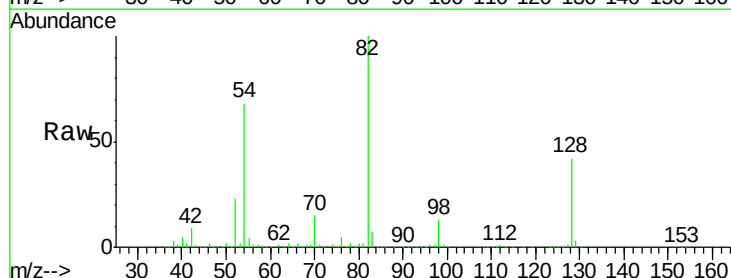
Tgt Ion: 82 Resp: 1219280

Ion Ratio Lower Upper

82 100

128 41.7 40.6 61.0

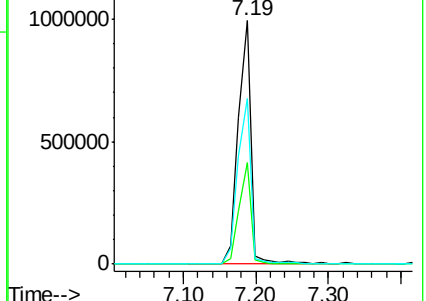
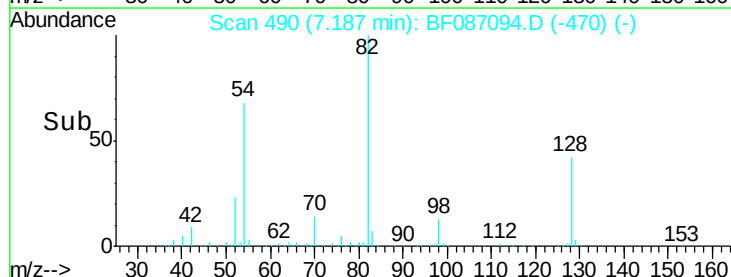
54 67.8 38.1 57.1#

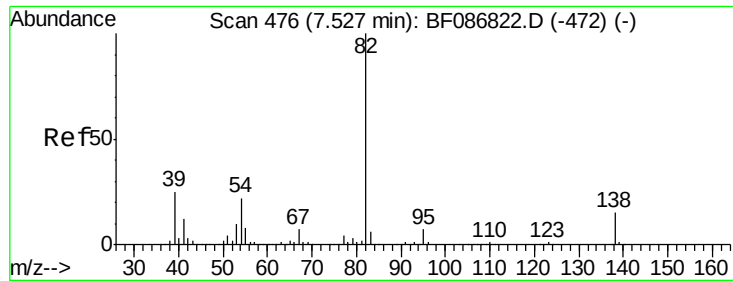


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 54.26 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

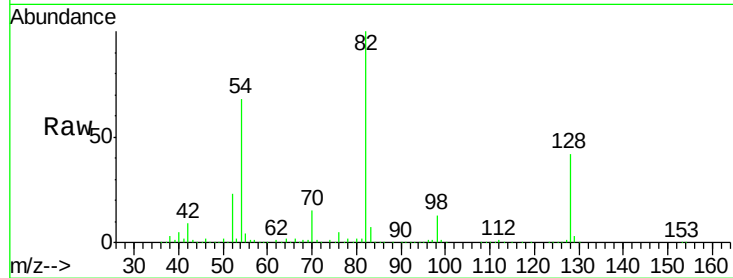
Tgt Ion: 82 Resp: 1145295

Ion Ratio Lower Upper

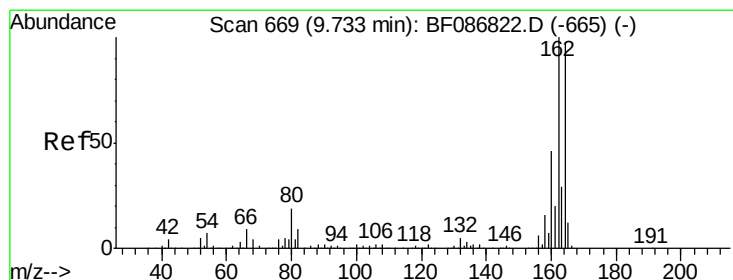
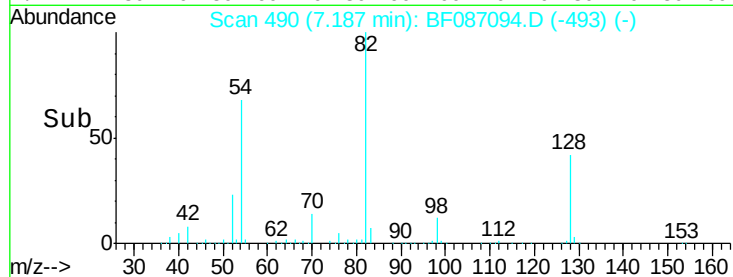
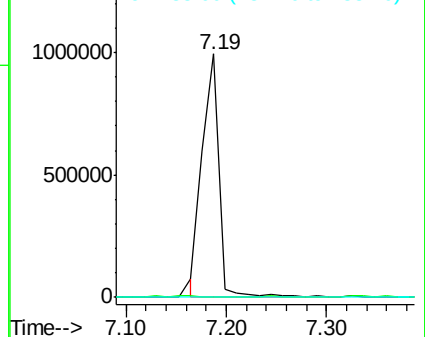
82 100

95 0.2 5.1 7.7#

138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

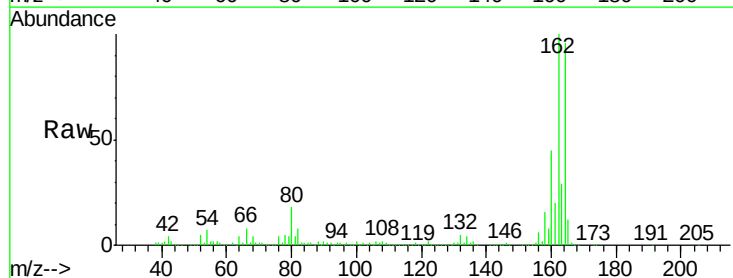
Tgt Ion: 164 Resp: 229873

Ion Ratio Lower Upper

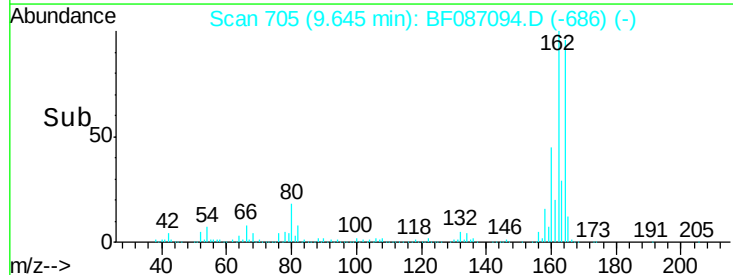
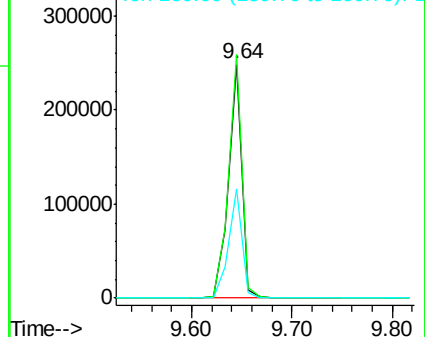
164 100

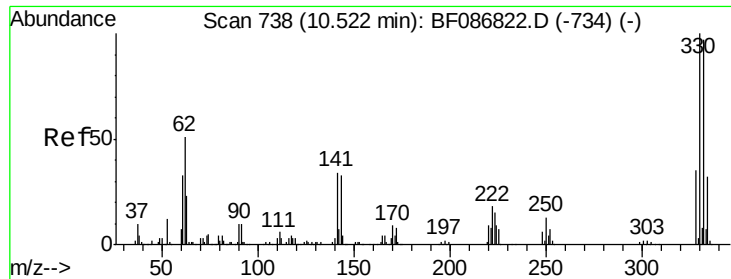
162 104.3 82.8 124.2

160 46.9 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

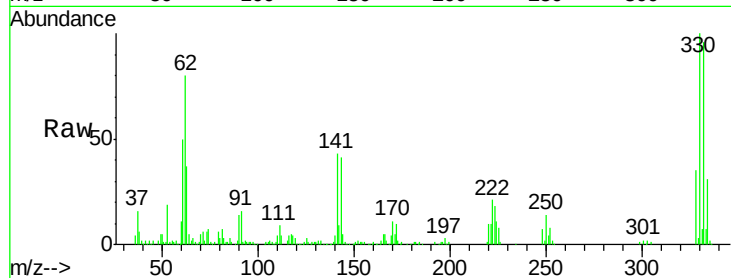




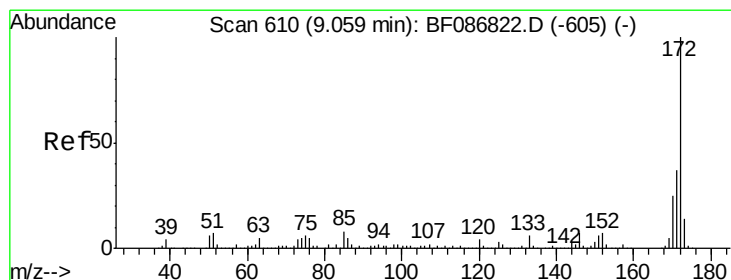
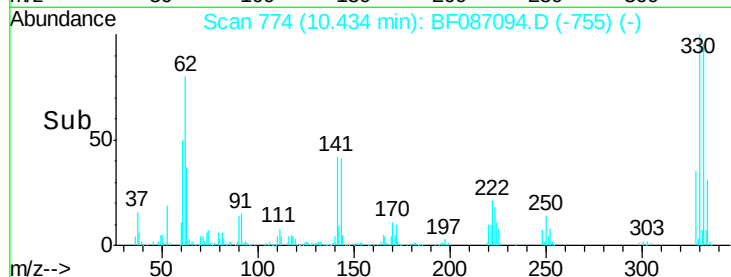
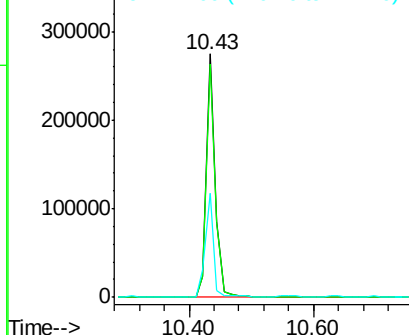
#41
 2,4,6-Tribromophenol
 Concen: 113.86 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087094.D
 Acq: 16 May 2016 21:20

Instrument :
 BNA_F
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 PITT-2-N-EASTRE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	79.0	118.4
141	39.8	31.2	46.8

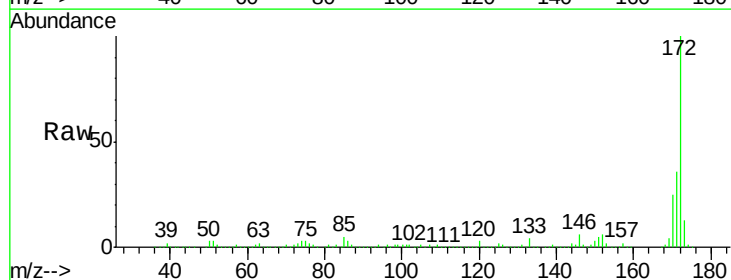


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

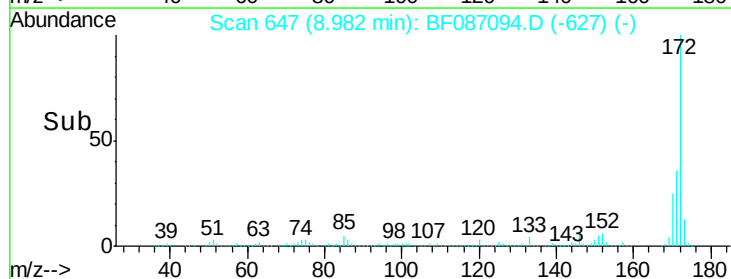
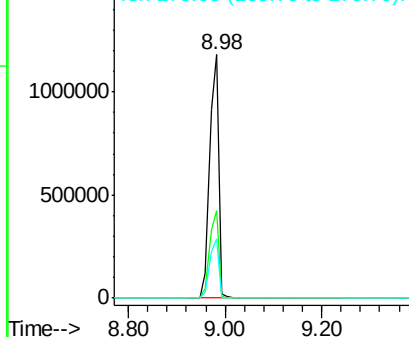


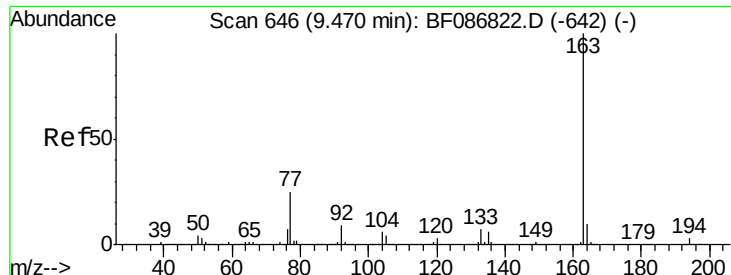
#44
 2-Fluorobiphenyl
 Concen: 114.15 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087094.D
 Acq: 16 May 2016 21:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.5	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

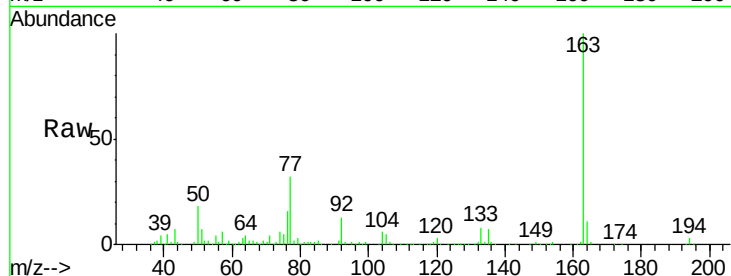




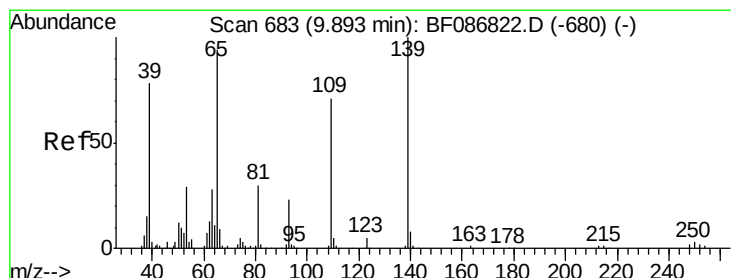
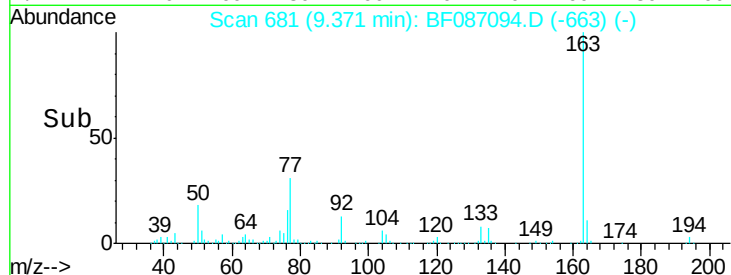
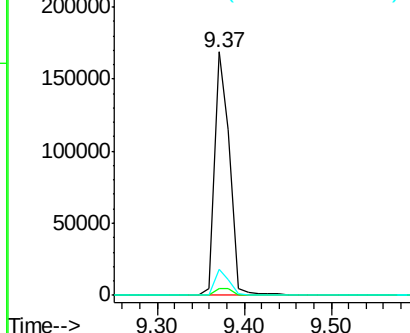
#49
Dimethylphthalate
Concen: 11.75 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.10 min
Lab File: BF087094.D
Acq: 16 May 2016 21:20

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

Tgt Ion:163 Resp: 205986
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 10.8 8.2 12.4

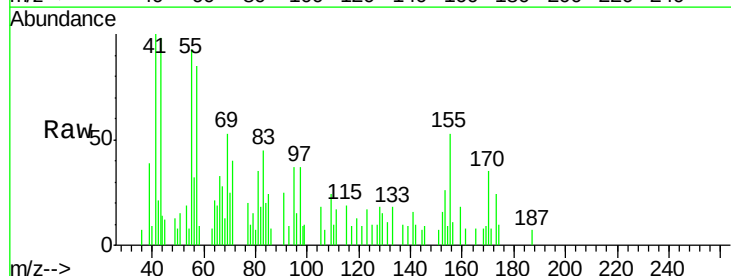


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

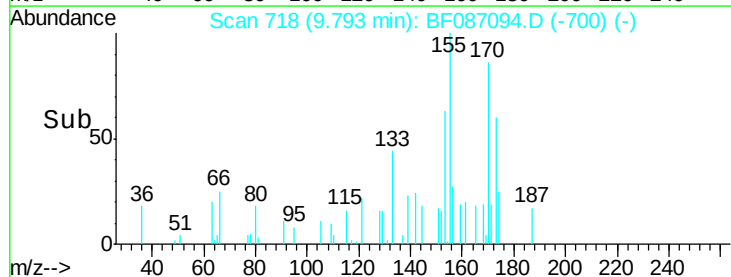
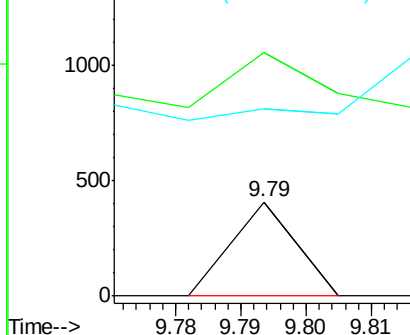


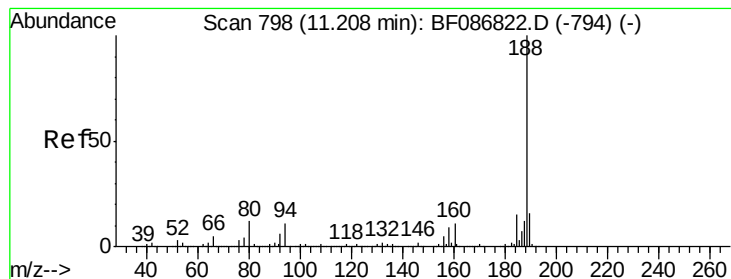
#55
4-Nitrophenol
Concen: 4.66 ng
RT: 9.79 min Scan# 718
Delta R.T. -0.10 min
Lab File: BF087094.D
Acq: 16 May 2016 21:20

Tgt Ion:139 Resp: 279
Ion Ratio Lower Upper
139 100
109 259.5 36.9 76.9#
65 200.0 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: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

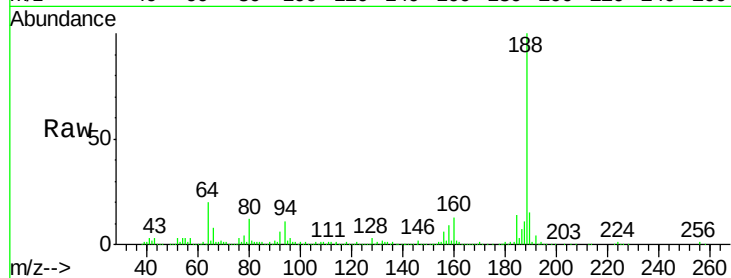
Tgt Ion:188 Resp: 356087

Ion Ratio Lower Upper

188 100

94 11.3 6.8 10.2#

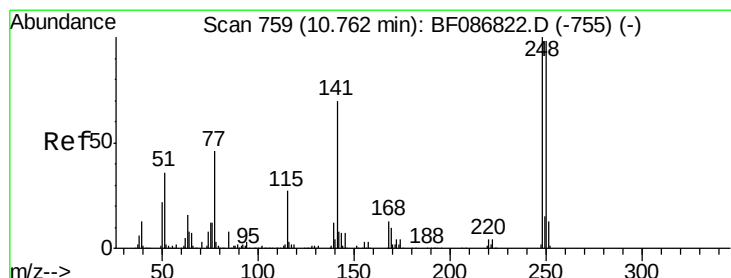
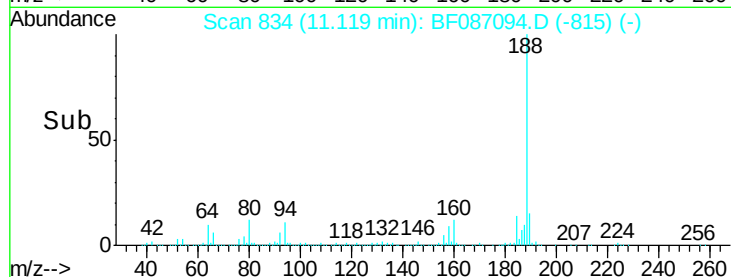
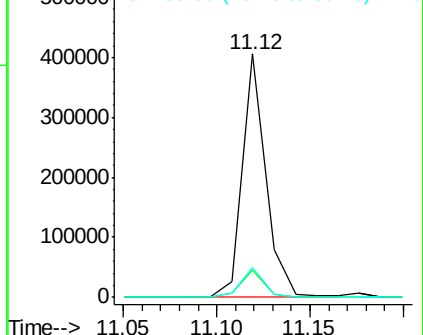
80 12.4 7.1 10.7#



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: 5.03 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

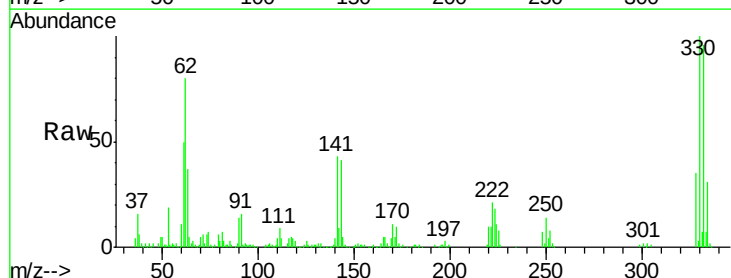
Tgt Ion:248 Resp: 18162

Ion Ratio Lower Upper

248 100

250 194.2 78.6 117.8#

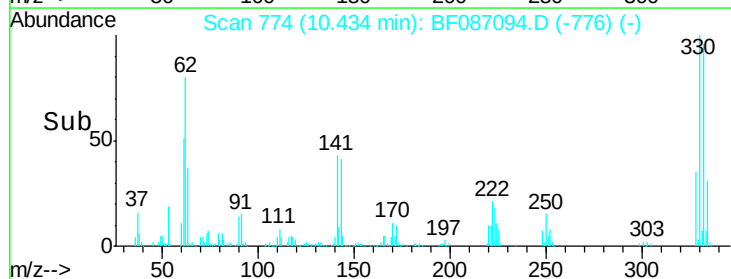
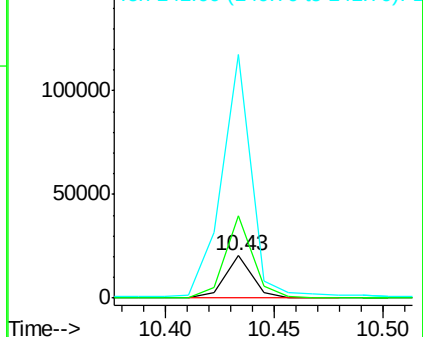
141 573.3 76.0 114.0#

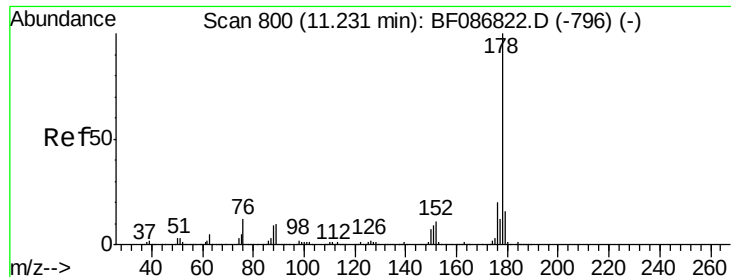


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 5.70 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.09 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

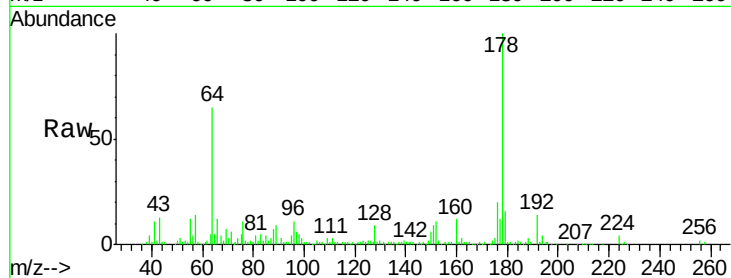
Tgt Ion:178 Resp: 108294

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

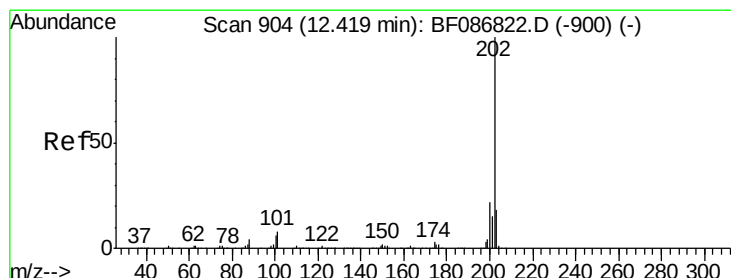
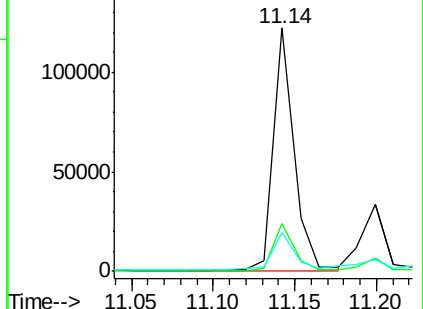
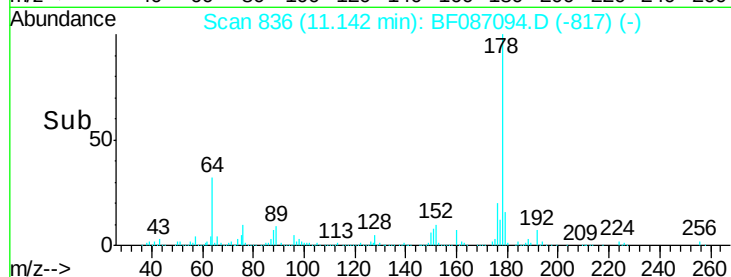
179 16.1 12.6 18.8



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



#74

Fluoranthene

Concen: 17.68 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.08 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

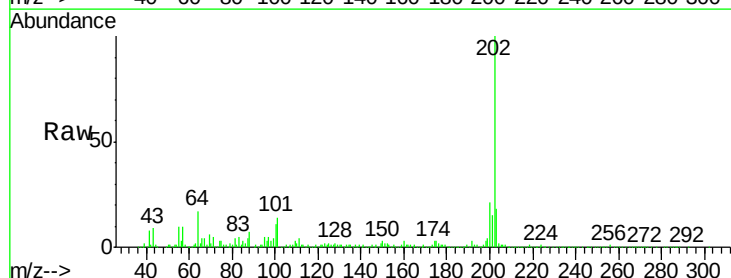
Tgt Ion:202 Resp: 345500

Ion Ratio Lower Upper

202 100

101 13.8 0.0 35.4

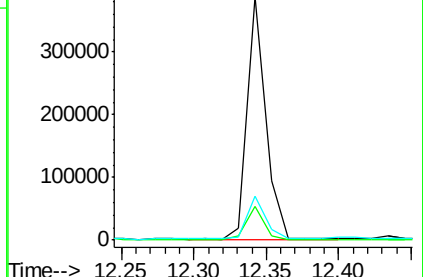
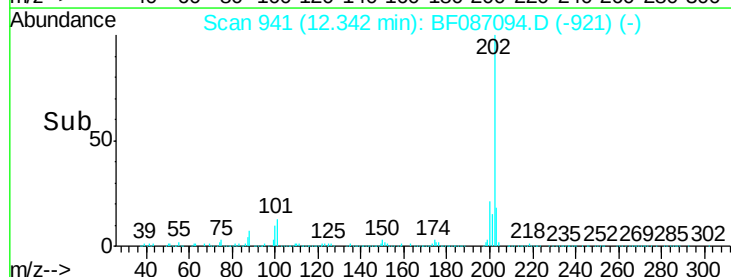
203 18.1 0.0 38.1

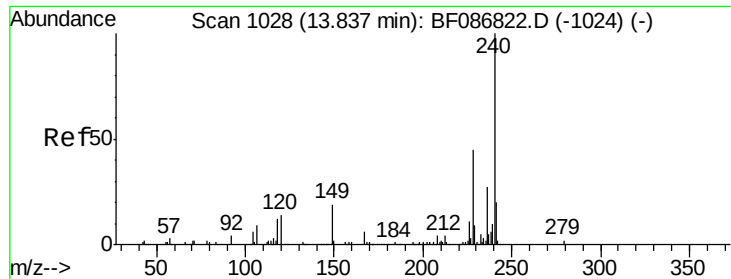


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF087094.D

Acq: 16 May 2016 21:20

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

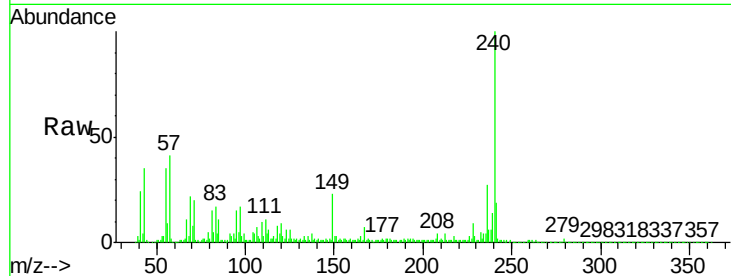
Tgt Ion:240 Resp: 288303

Ion Ratio Lower Upper

240 100

120 9.1 11.2 16.8#

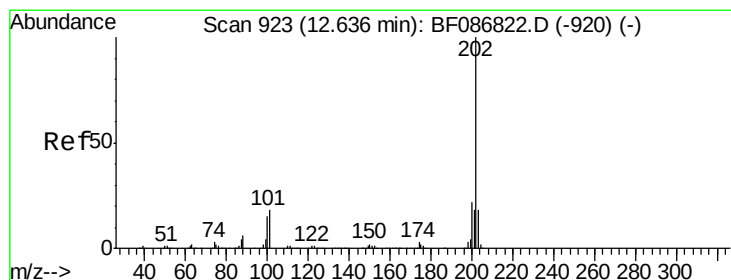
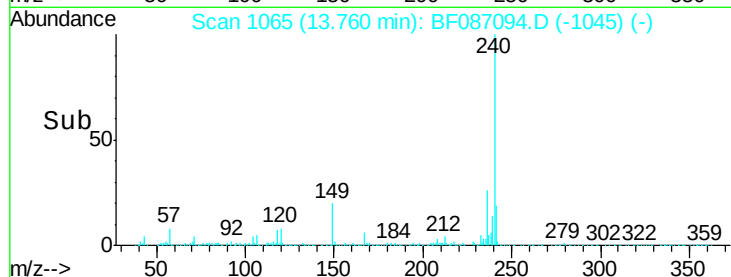
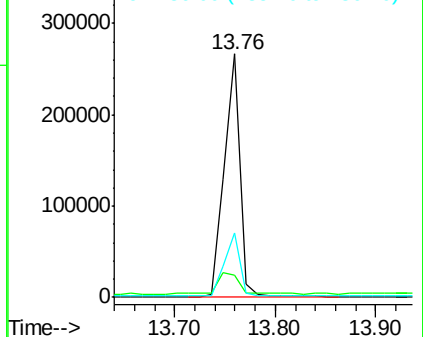
236 26.5 21.2 31.8



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: 13.39 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.08 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

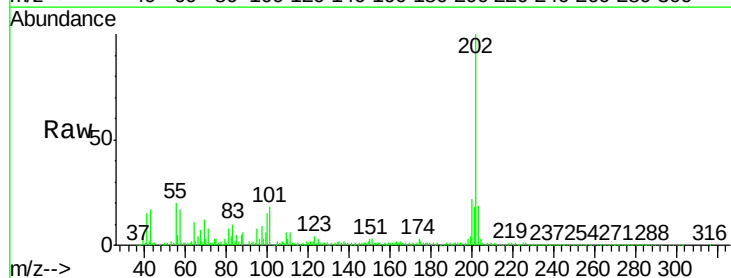
Tgt Ion:202 Resp: 295452

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

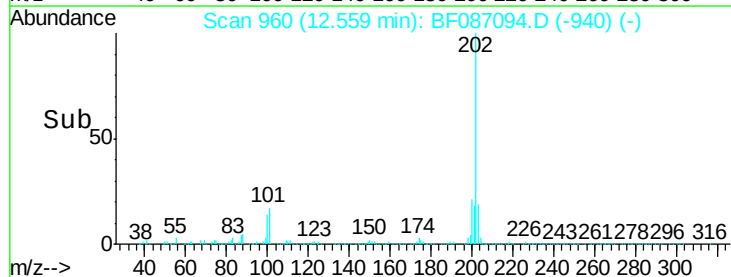
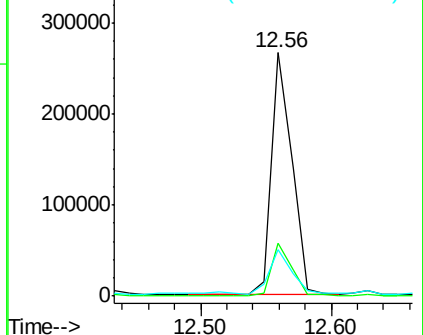
203 19.0 14.2 21.4

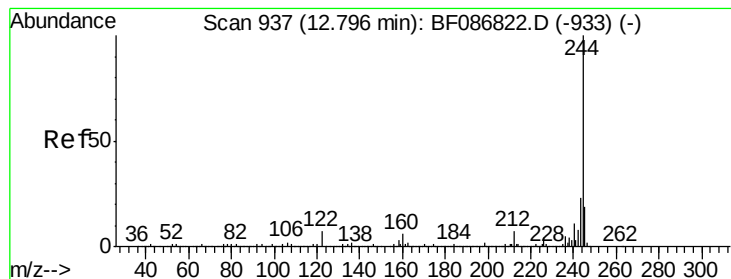


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 86.29 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

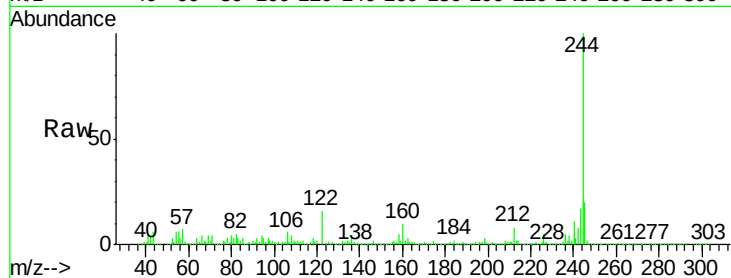
Tgt Ion:244 Resp: 1172506

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

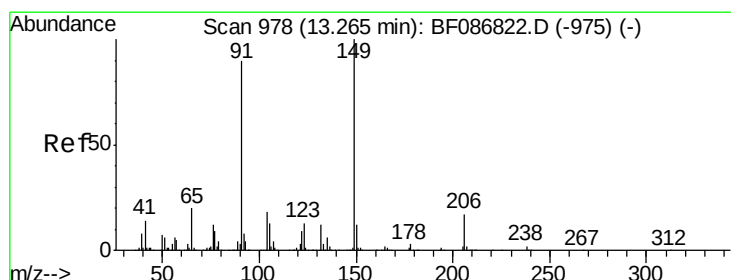
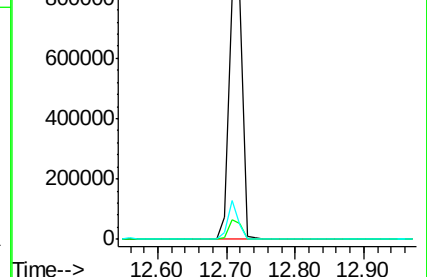
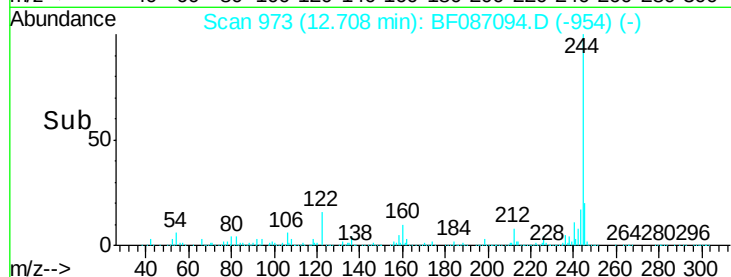
122 15.8 12.0 18.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 17.96 ng

RT: 13.19 min Scan# 1015

Delta R.T. -0.08 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

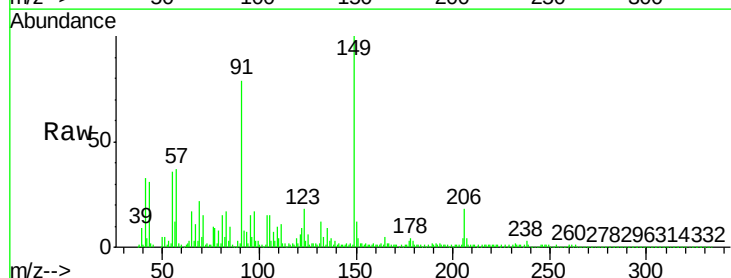
Tgt Ion:149 Resp: 167687

Ion Ratio Lower Upper

149 100

91 78.9 48.0 72.0#

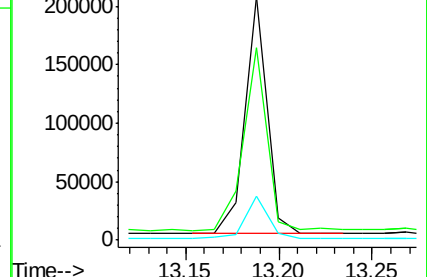
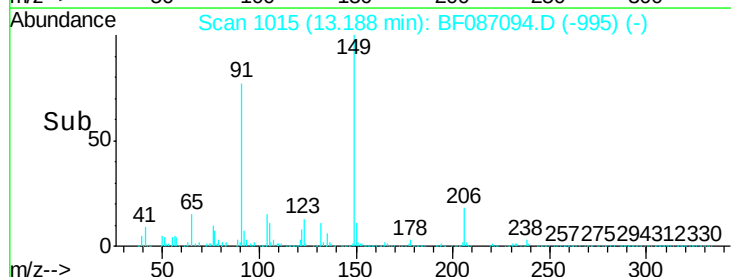
206 17.8 15.8 23.6

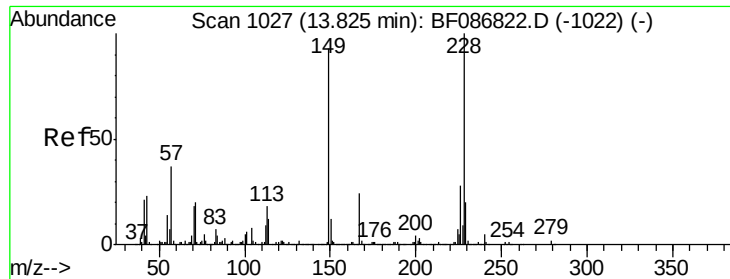


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 7.22 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.08 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

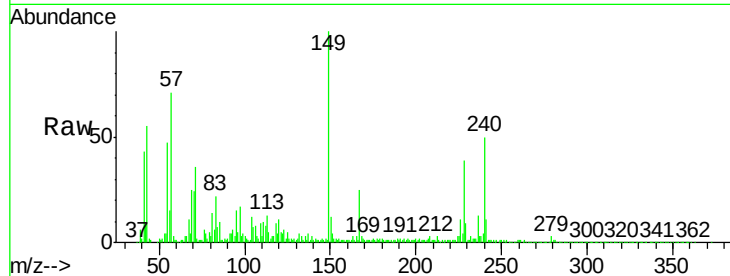
Tgt Ion:228 Resp: 116812

Ion Ratio Lower Upper

228 100

226 28.7 22.5 33.7

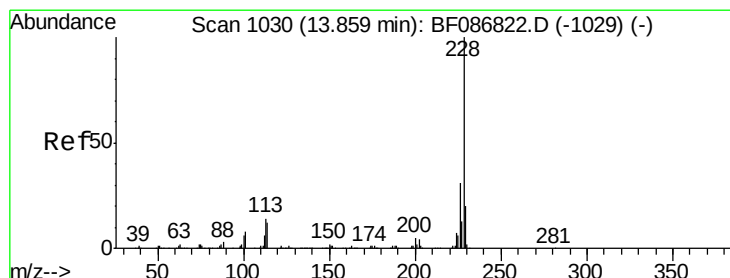
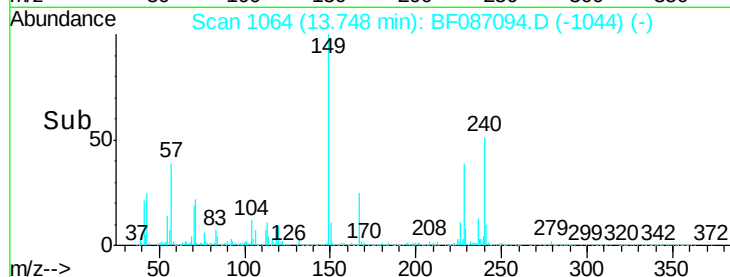
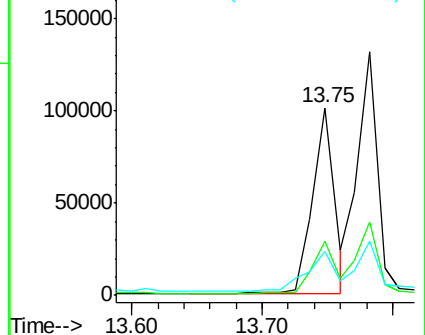
229 23.1 16.6 25.0



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: 8.51 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.08 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

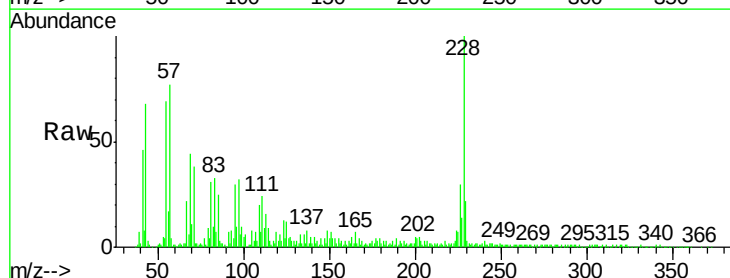
Tgt Ion:228 Resp: 140149

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

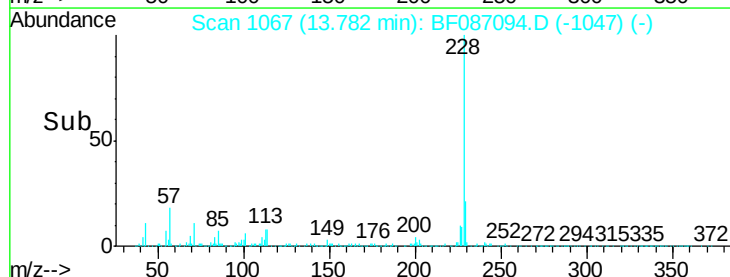
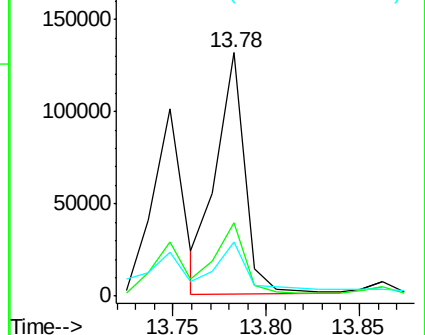
229 22.4 15.8 23.8

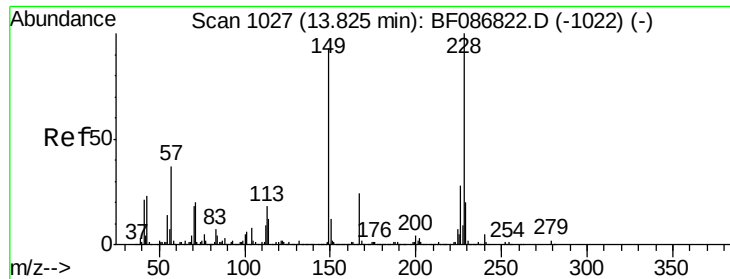


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

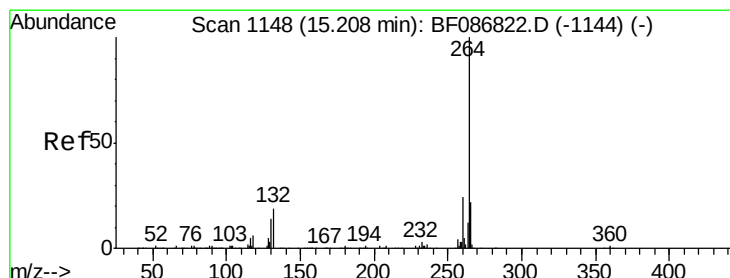
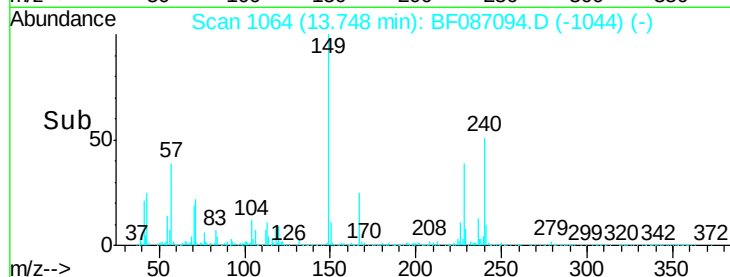
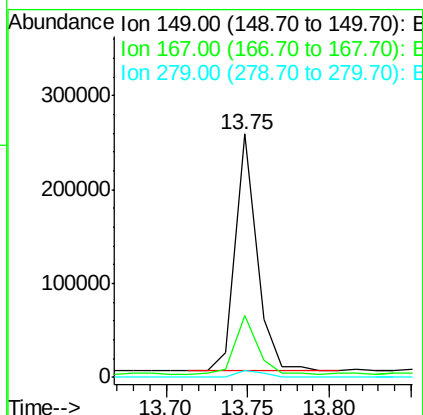
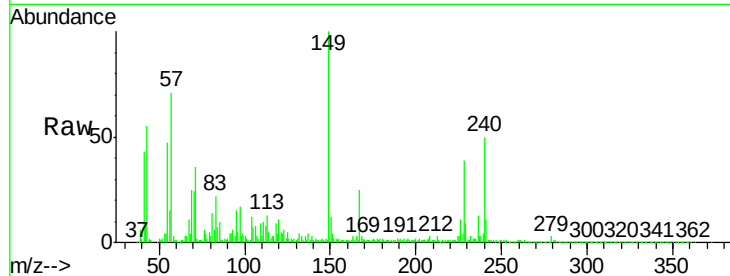




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 20.50 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.08 min
 Lab File: BF087094.D
 Acq: 16 May 2016 21:20

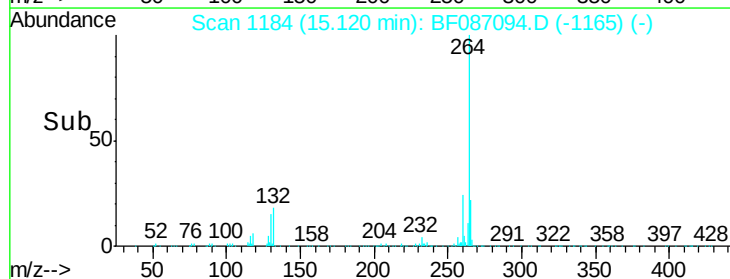
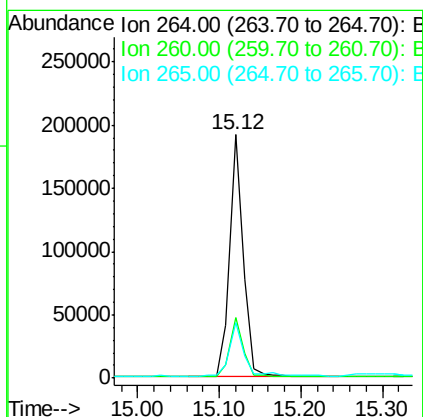
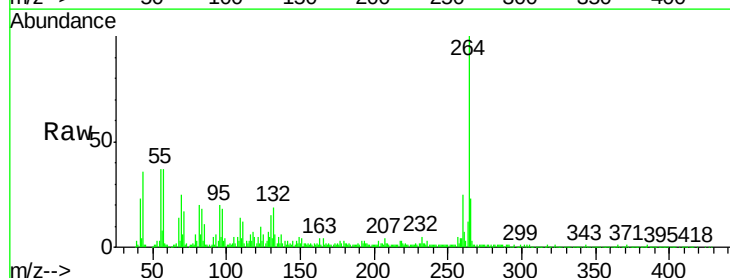
Instrument :
 BNA_F
 ClientSampleId :
 PITT-2-N-EASTRE

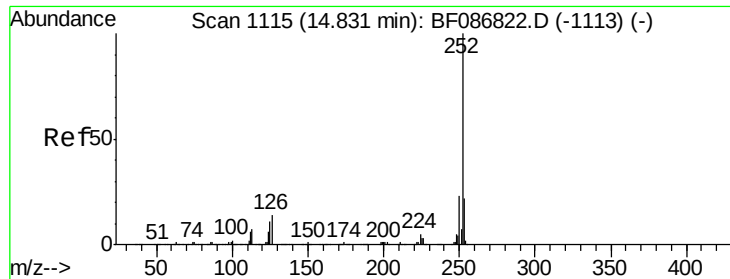
Tgt Ion:149 Resp: 230228
 Ion Ratio Lower Upper
 149 100
 167 25.4 21.8 32.6
 279 2.6 2.6 4.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1184
 Delta R.T. -0.09 min
 Lab File: BF087094.D
 Acq: 16 May 2016 21:20

Tgt Ion:264 Resp: 221935
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.5 29.3
 265 22.7 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 12.50 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.08 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

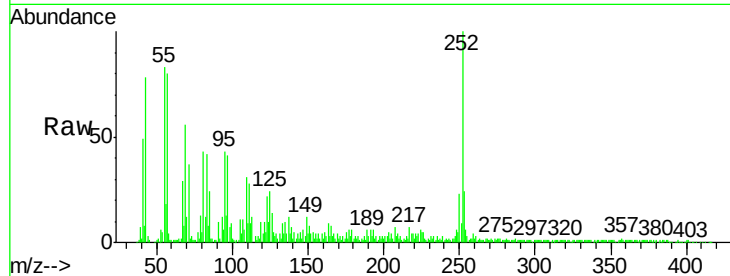
Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

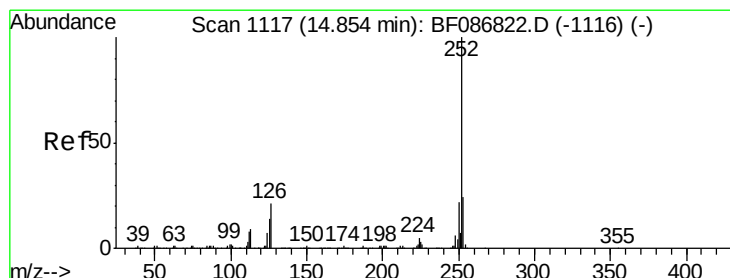
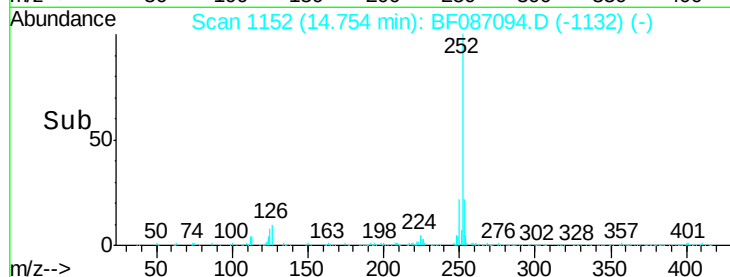
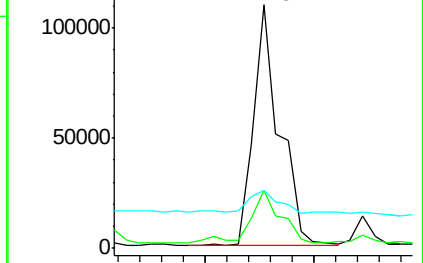
Tgt Ion:	252	Resp:	180355
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.6
125	24.0	11.4	17.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 15.27 ng

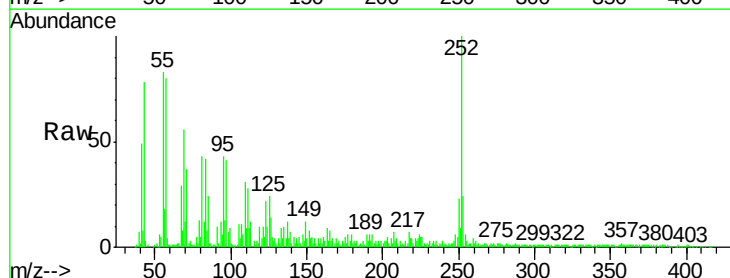
RT: 14.75 min Scan# 1152

Delta R.T. -0.10 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

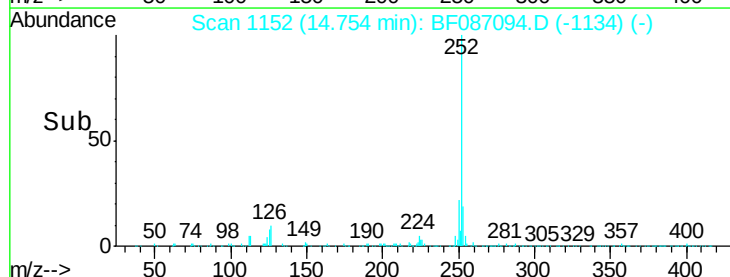
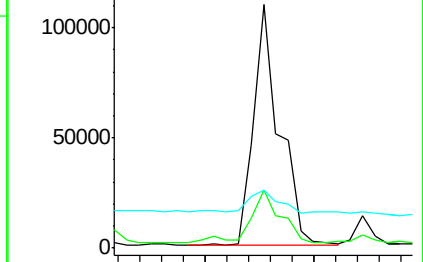
Tgt Ion:	252	Resp:	180355
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.6
125	24.0	9.1	13.7#

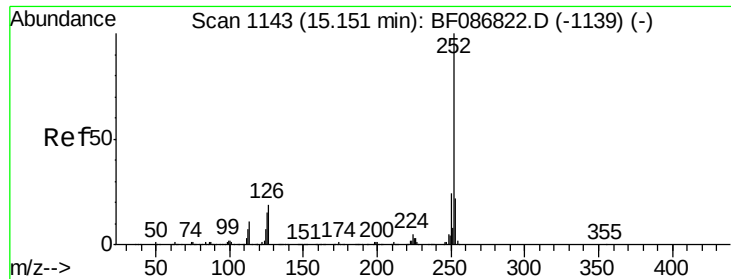


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.04 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.09 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

Instrument :

BNA_F

ClientSampleId :

PITT-2-N-EASTRE

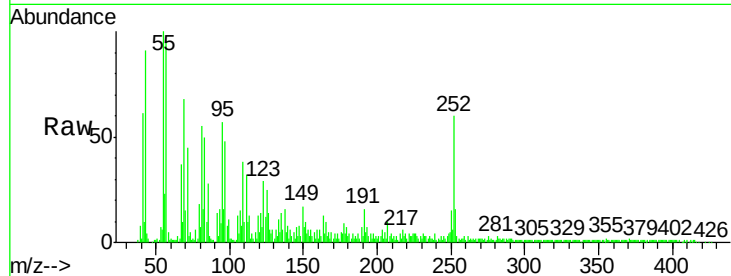
Tgt Ion:252 Resp: 62682

Ion Ratio Lower Upper

252 100

253 27.0 17.2 25.8#

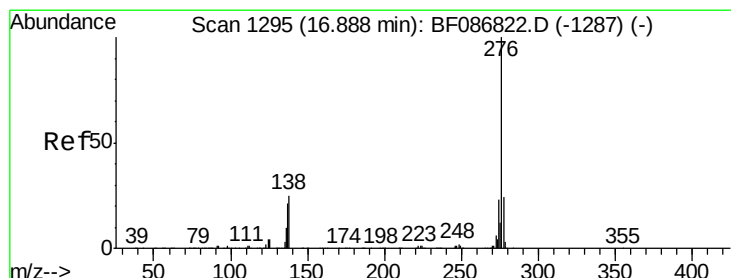
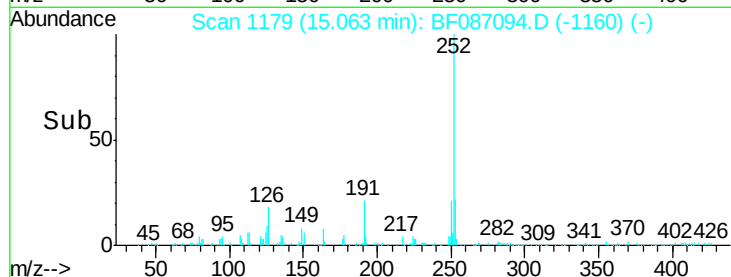
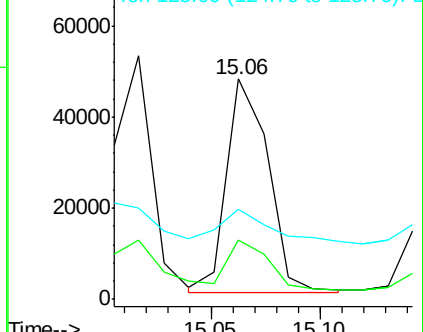
125 41.1 9.0 13.6#



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: 4.25 ng

RT: 16.74 min Scan# 1326

Delta R.T. -0.15 min

Lab File: BF087094.D

Acq: 16 May 2016 21:20

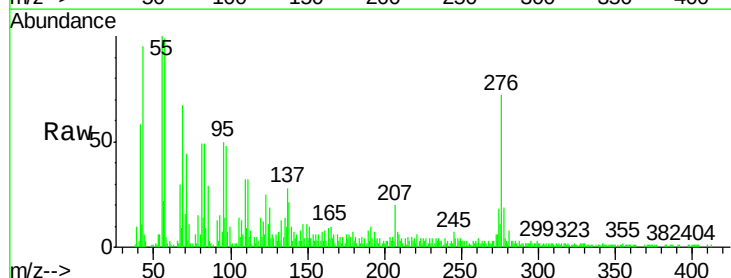
Tgt Ion:276 Resp: 45254

Ion Ratio Lower Upper

276 100

277 26.9 19.6 29.4

138 28.9 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

