

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
 Data File : BF087093.D
 Acq On : 16 May 2016 20:51
 Operator : UM/SJ
 Sample : H3038-03RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: May 17 00:57:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

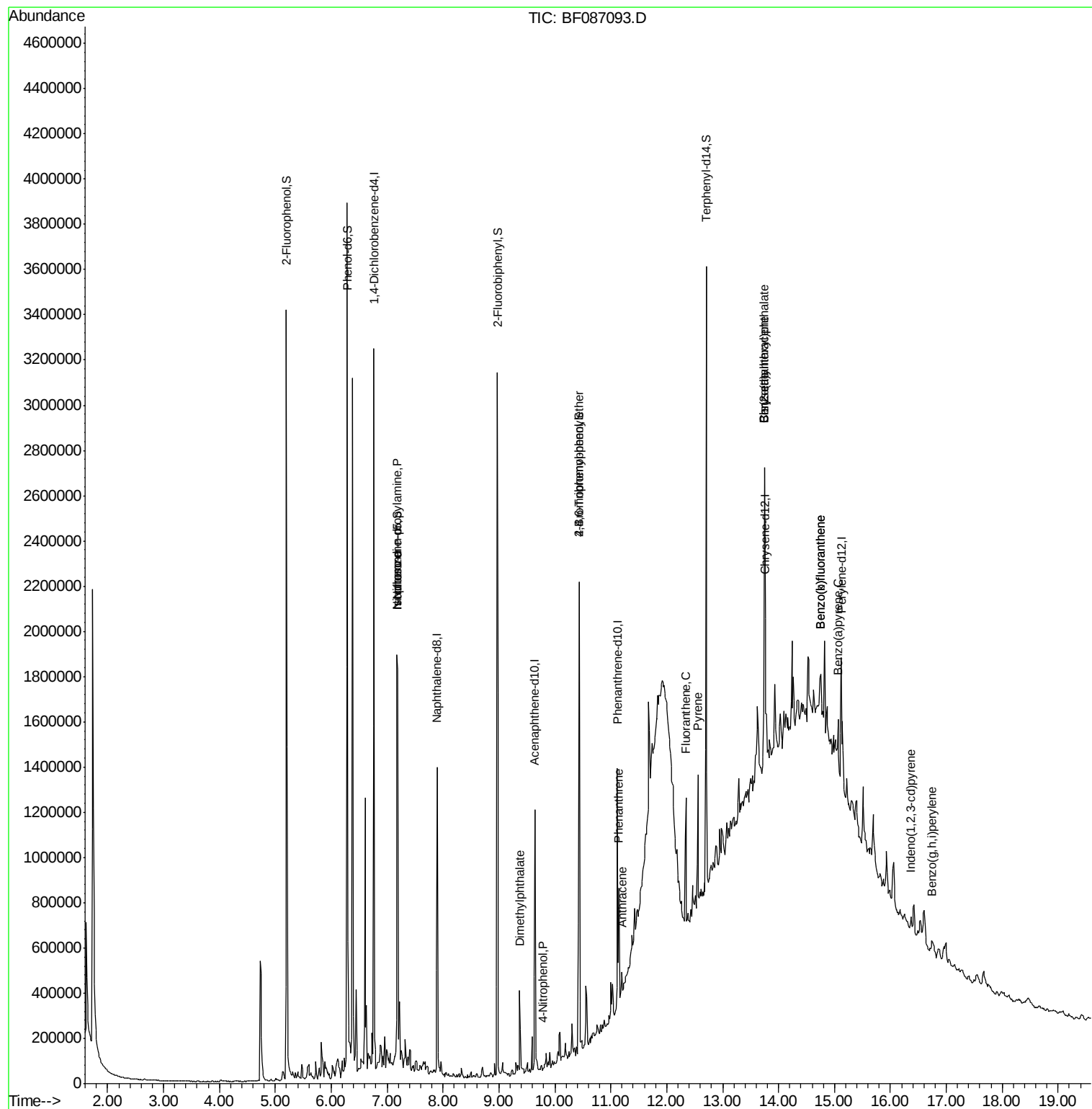
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	477885	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	570592	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	224489	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	355618	20.00	ng	-0.09
75) Chrysene-d12	13.76	240	278371	20.00	ng	-0.08
86) Perylene-d12	15.12	264	222510	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	966656	34.26	ng	-0.09
7) Phenol-d6	6.28	99	1375063	36.46	ng	-0.08
23) Nitrobenzene-d5	7.18	82	859042	75.60	ng	-0.09
41) 2,4,6-Tribromophenol	10.43	330	211148	88.84	ng	-0.09
44) 2-Fluorobiphenyl	8.97	172	1175943	88.04	ng	-0.09
78) Terphenyl-d14	12.71	244	845692	64.46	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.18	70	136910	5.19	ng	# 69
25) Isophorone	7.18	82	804365	38.15	ng	# 69
49) Dimethylphthalate	9.37	163	132826	7.76	ng	100
55) 4-Nitrophenol	9.79	139	262	4.66	ng	# 1
60) 4-Chlorophenyl-phenylether	10.01	204	211	Below Cal		# 29
66) 4-Bromophenyl-phenylether	10.43	248	13960	3.87	ng	# 1
70) Phenanthrene	11.14	178	168561	8.88	ng	99
71) Anthracene	11.20	178	44899	2.31	ng	100
74) Fluoranthene	12.34	202	289867	14.85	ng	91
77) Pyrene	12.56	202	249145	11.69	ng	99
80) Benzo(a)anthracene	13.75	228	88857	5.69	ng	95
82) Chrysene	13.75	228	88857	5.59	ng	# 95
83) Bis(2-ethylhexyl)phthalate	13.75	149	182411	16.82	ng	98
85) Indeno(1,2,3-cd)pyrene	16.37	276	30704	2.32	ng	# 90
87) Benzo(b)fluoranthene	14.75	252	119731	8.28	ng	# 76
88) Benzo(k)fluoranthene	14.75	252	119731	10.11	ng	# 74
89) Benzo(a)pyrene	15.06	252	46950	3.76	ng	# 63
91) Benzo(g,h,i)perylene	16.74	276	31954	2.99	ng	# 90

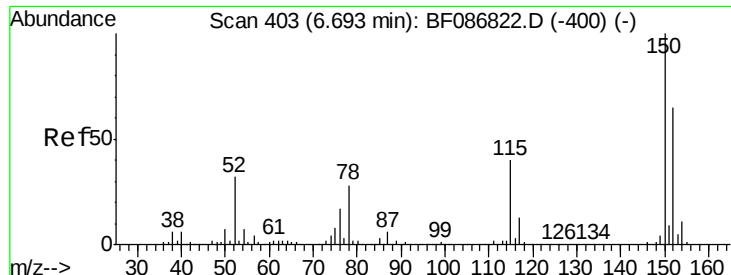
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WESTRE

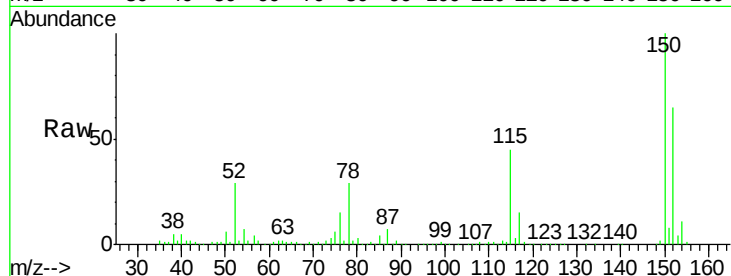
Tgt Ion:152 Resp: 477885

Ion Ratio Lower Upper

152 100

150 153.7 125.8 188.6

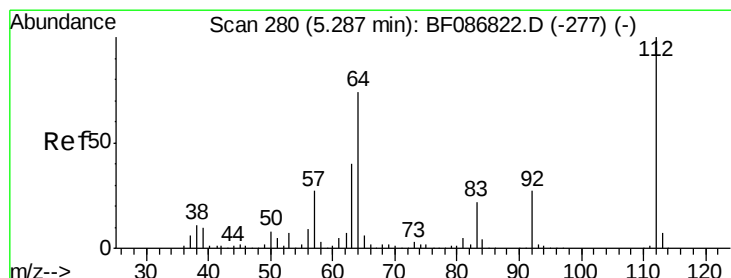
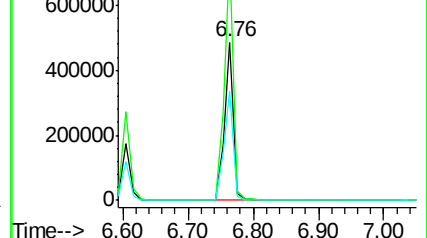
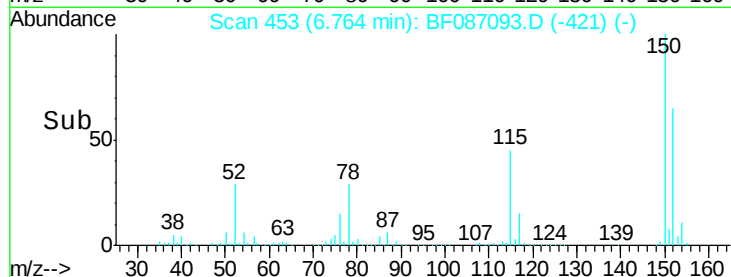
115 69.0 51.5 77.3



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: 34.26 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

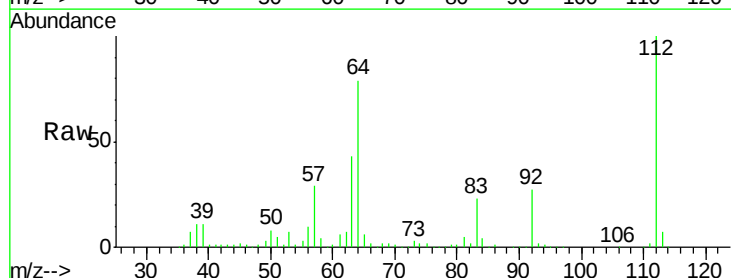
Tgt Ion:112 Resp: 966656

Ion Ratio Lower Upper

112 100

64 78.6 52.1 78.1#

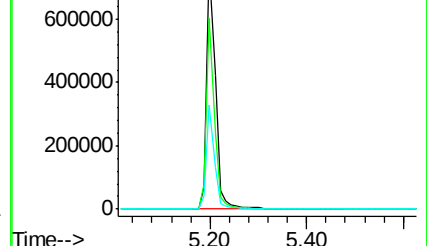
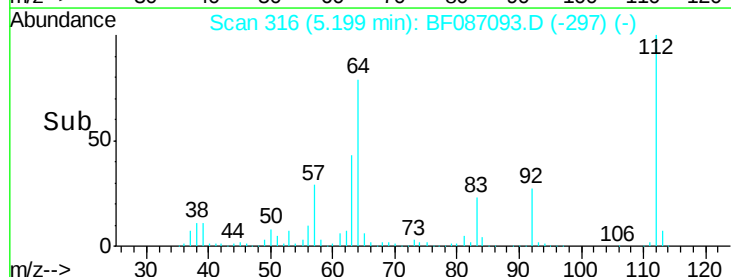
63 42.6 25.7 38.5#

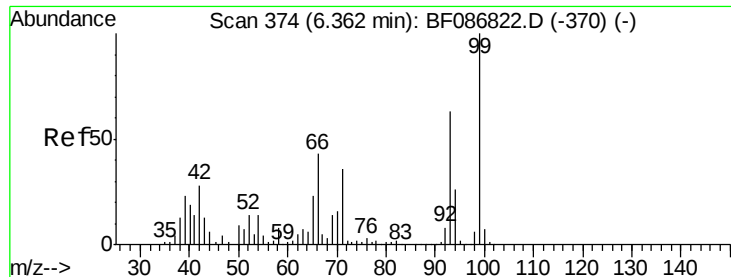


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.46 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

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ClientSampleId :

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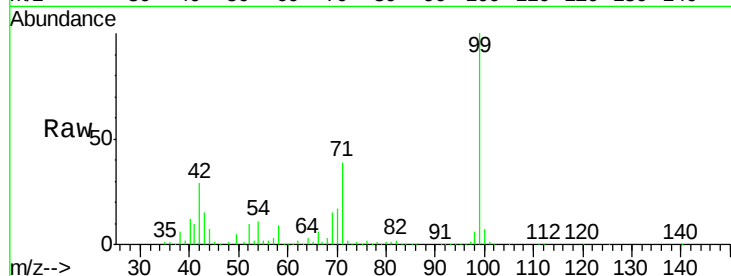
Tgt Ion: 99 Resp: 1375063

Ion Ratio Lower Upper

99 100

42 29.4 13.6 20.4#

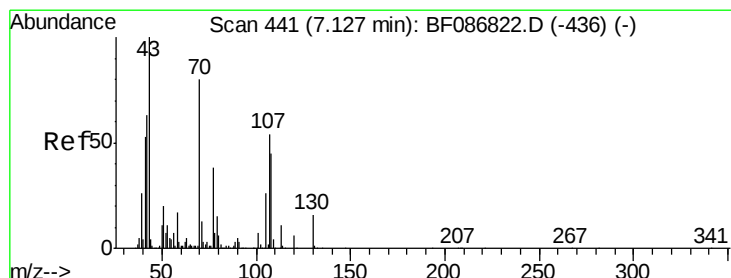
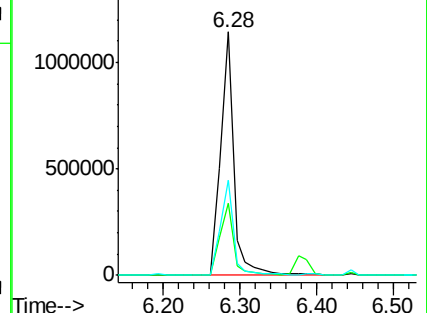
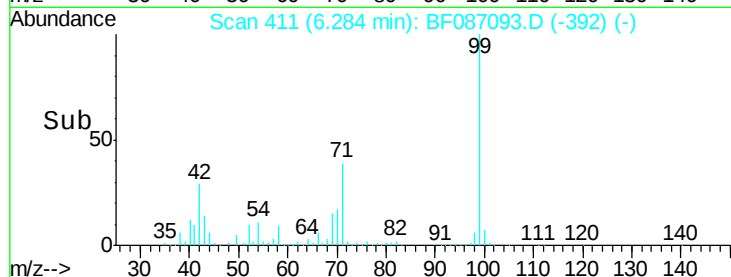
71 39.3 24.6 36.8#



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: 5.19 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.05 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Tgt Ion: 70 Resp: 136910

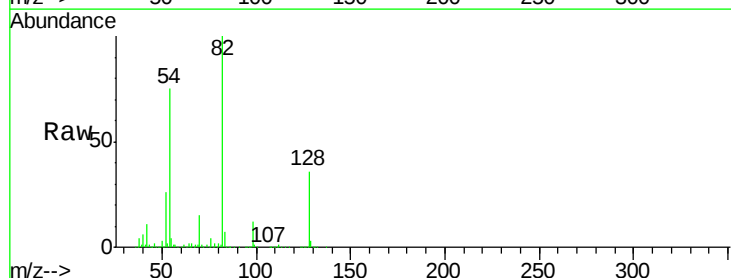
Ion Ratio Lower Upper

70 100

42 72.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

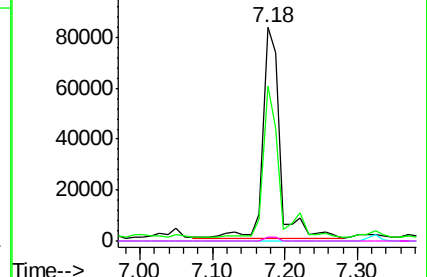
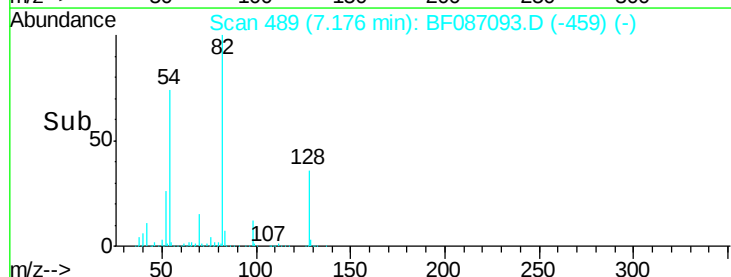


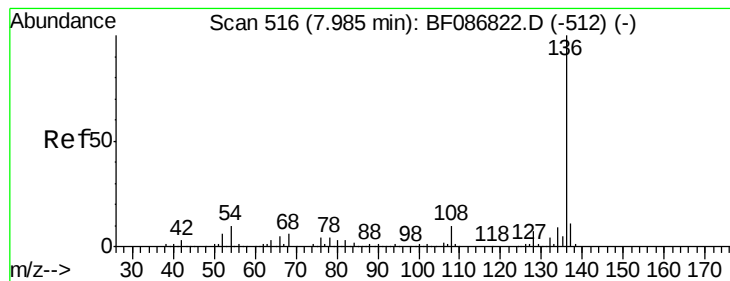
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WESTRE

Tgt Ion: 136 Resp: 570592

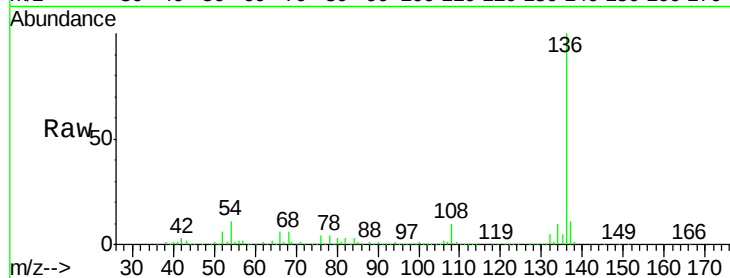
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 10.6 5.0 7.4#

68 5.9 4.4 6.6

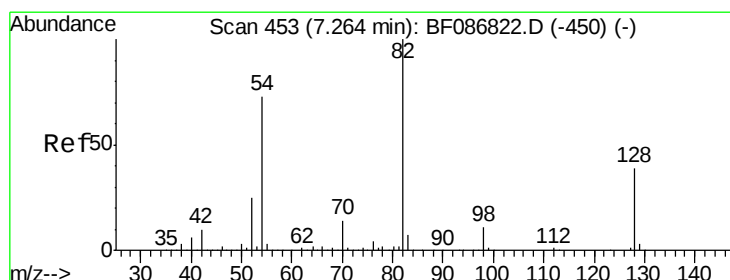
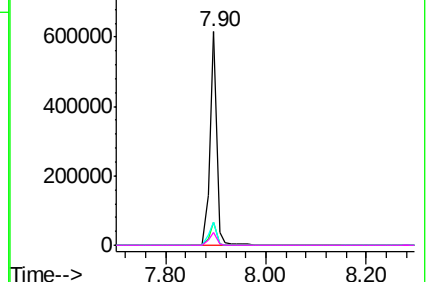
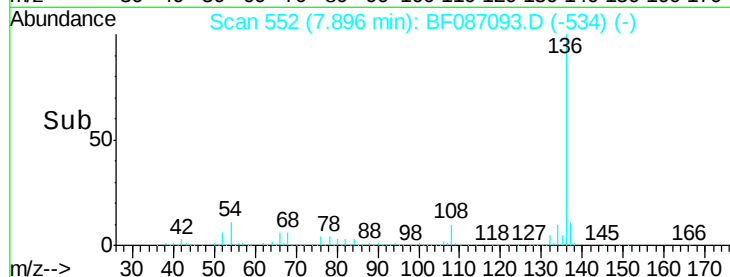


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.60 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.09 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

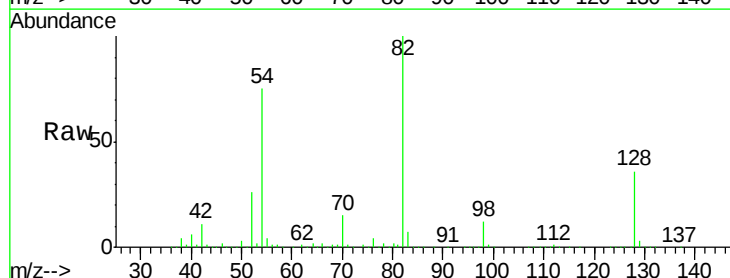
Tgt Ion: 82 Resp: 859042

Ion Ratio Lower Upper

82 100

128 35.9 40.6 61.0#

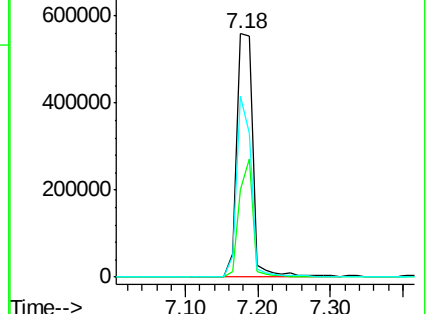
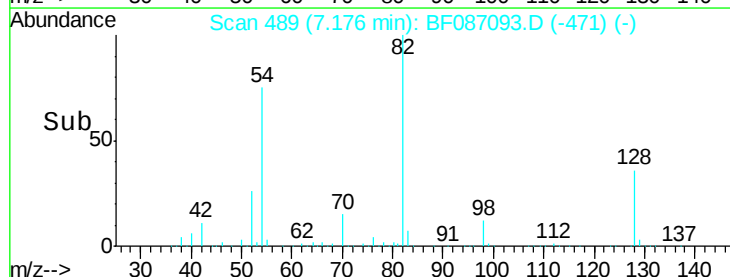
54 74.5 38.1 57.1#

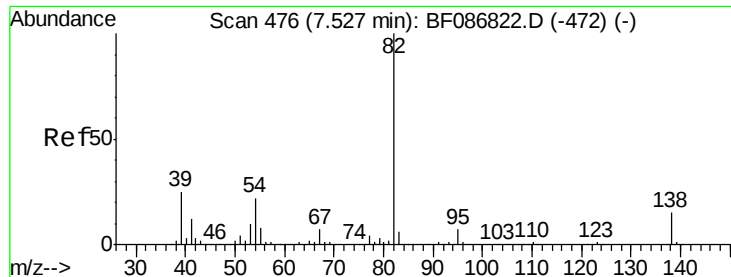


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

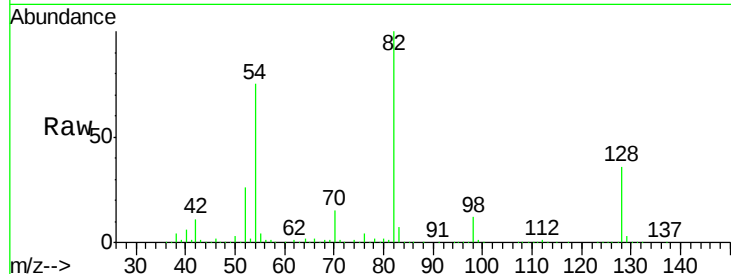




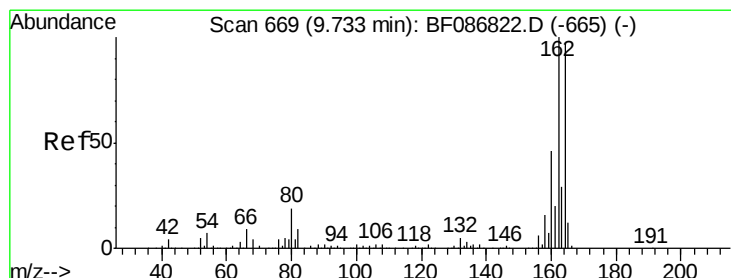
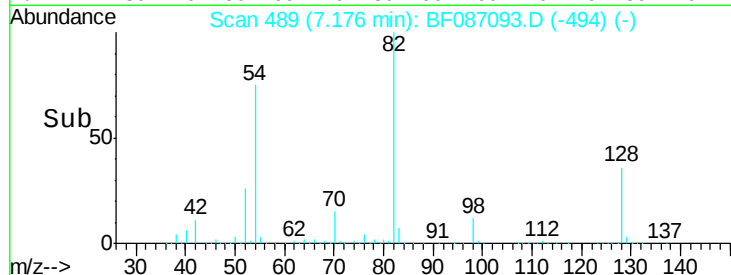
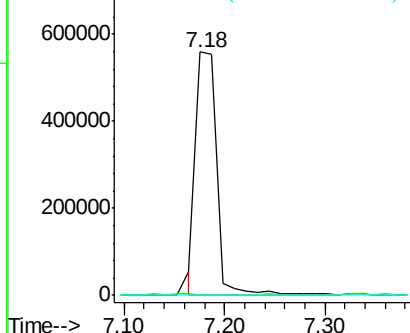
#25
Isophorone
Concen: 38.15 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.35 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

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

Tgt Ion: 82 Resp: 804365
Ion Ratio Lower Upper
82 100
95 0.3 5.1 7.7#
138 0.0 12.4 18.6#

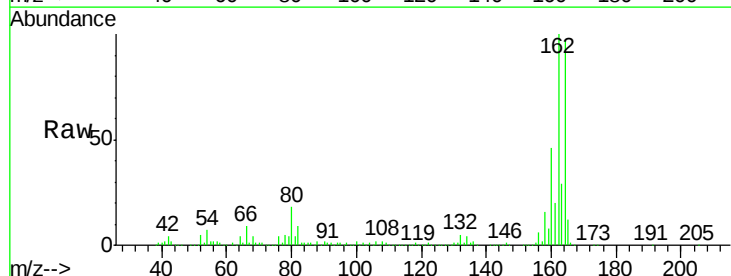


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

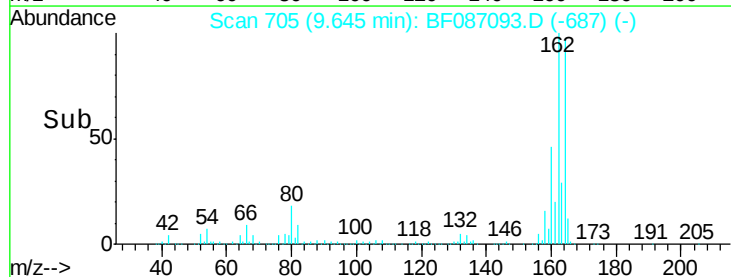
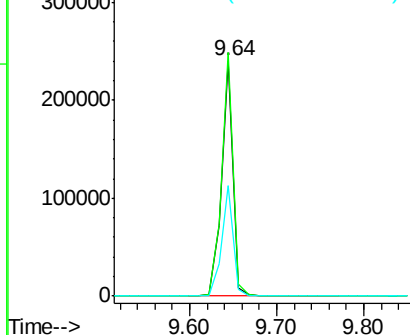


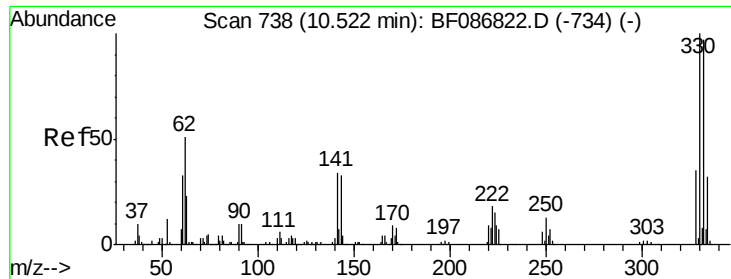
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.09 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

Tgt Ion: 164 Resp: 224489
Ion Ratio Lower Upper
164 100
162 103.6 82.8 124.2
160 47.2 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

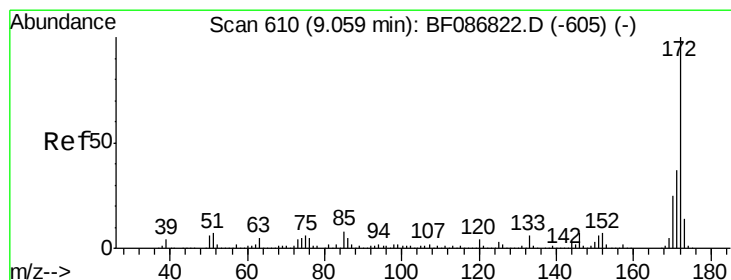
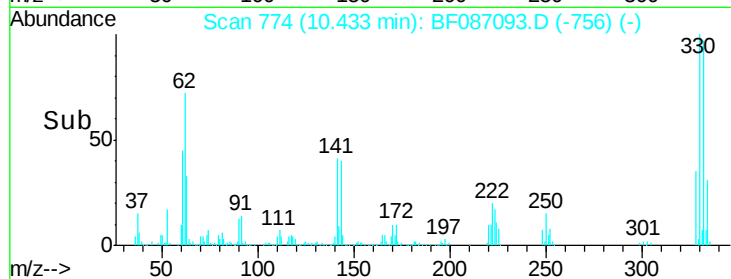
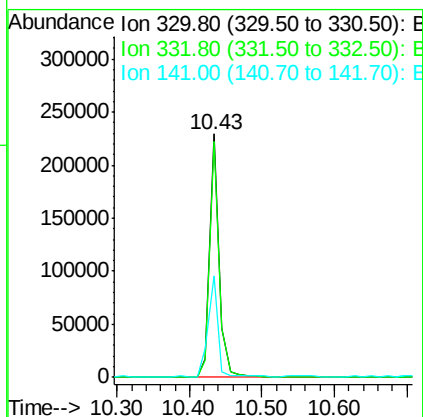
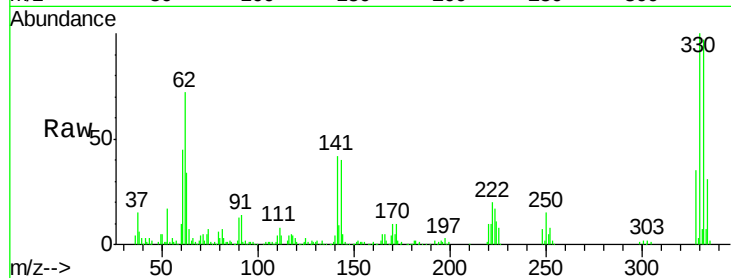




#41
 2,4,6-Tribromophenol
 Concen: 88.84 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087093.D
 Acq: 16 May 2016 20:51

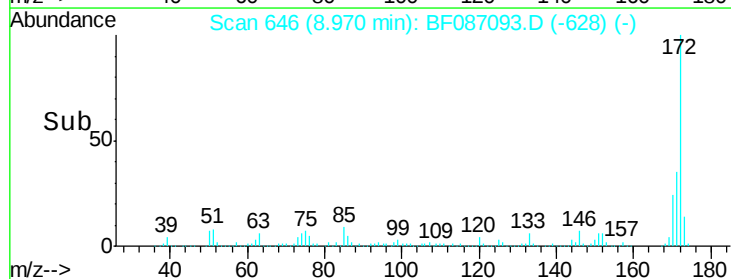
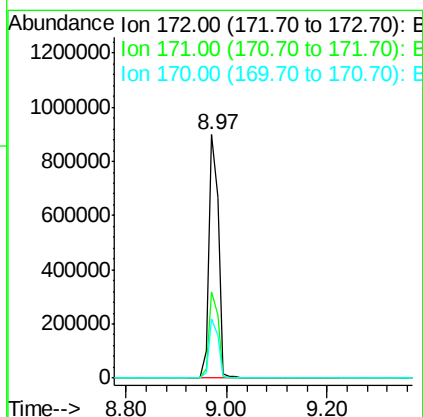
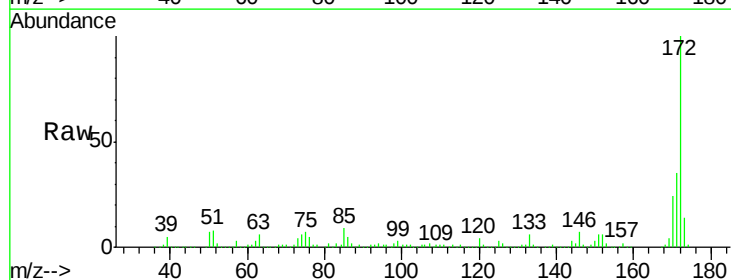
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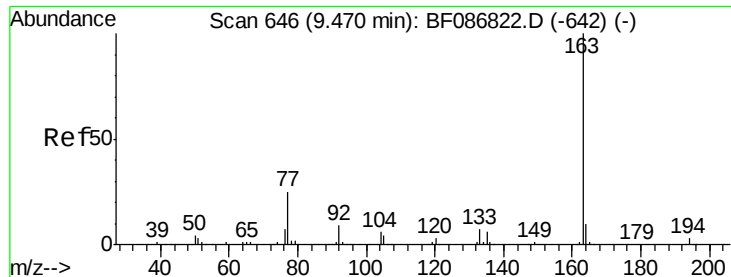
Tgt Ion:330 Resp: 211148
 Ion Ratio Lower Upper
 330 100
 332 97.4 79.0 118.4
 141 43.0 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 88.04 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.09 min
 Lab File: BF087093.D
 Acq: 16 May 2016 20:51

Tgt Ion:172 Resp: 1175943
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.0 43.6
 170 24.2 19.8 29.8





#49

Dimethylphthalate

Concen: 7.76 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.10 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WESTRE

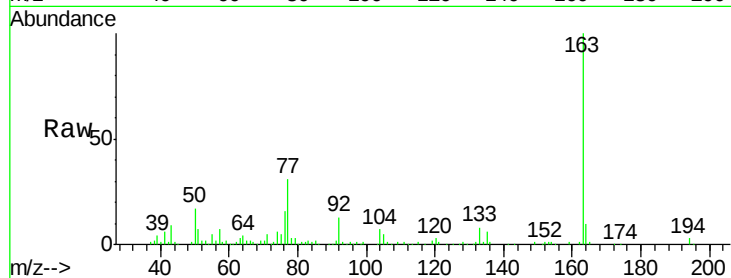
Tgt Ion:163 Resp: 132826

Ion Ratio Lower Upper

163 100

194 2.7 2.6 4.0

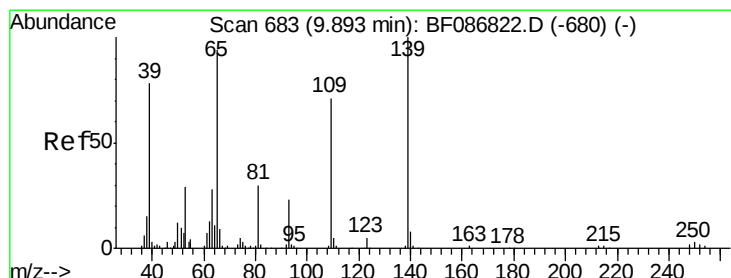
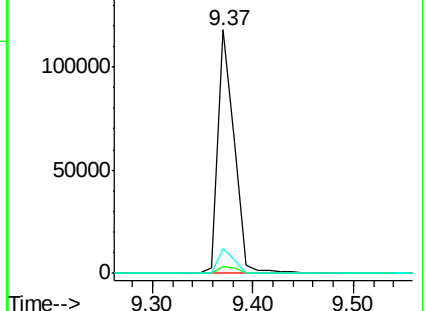
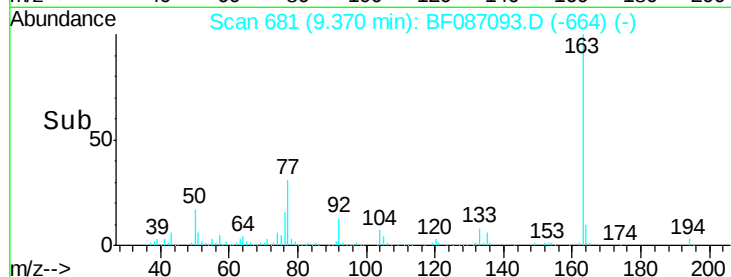
164 10.3 8.2 12.4



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: 4.66 ng

RT: 9.79 min Scan# 718

Delta R.T. -0.10 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

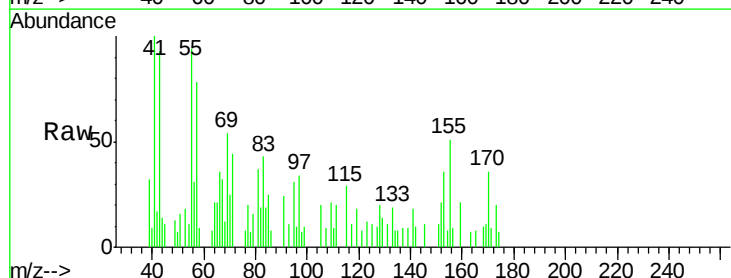
Tgt Ion:139 Resp: 262

Ion Ratio Lower Upper

139 100

109 227.0 36.9 76.9#

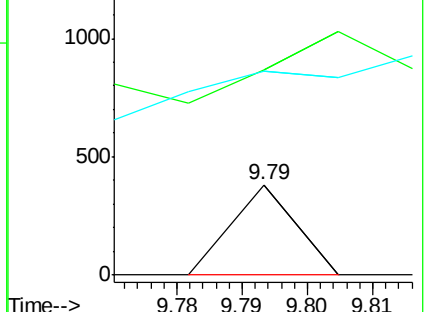
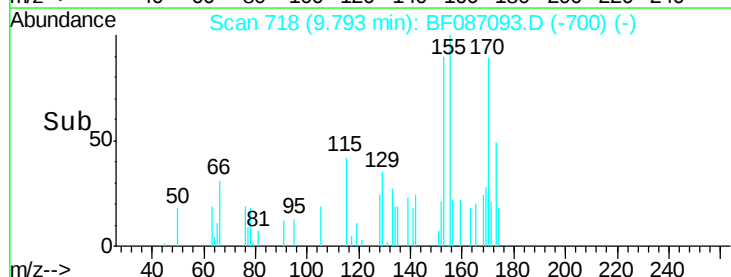
65 225.1 64.0 104.0#

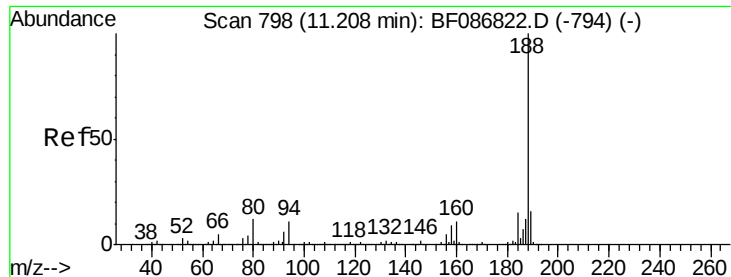


Abundance Ion 139.00 (138.70 to 139.70): E

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: BF087093.D

Acq: 16 May 2016 20:51

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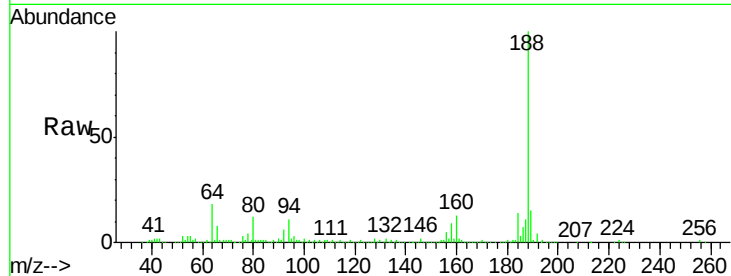
Tgt Ion:188 Resp: 355618

Ion Ratio Lower Upper

188 100

94 10.9 6.8 10.2#

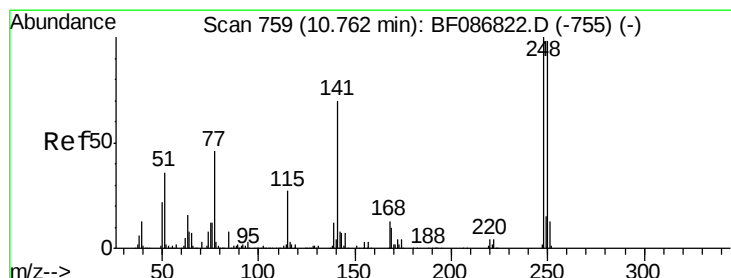
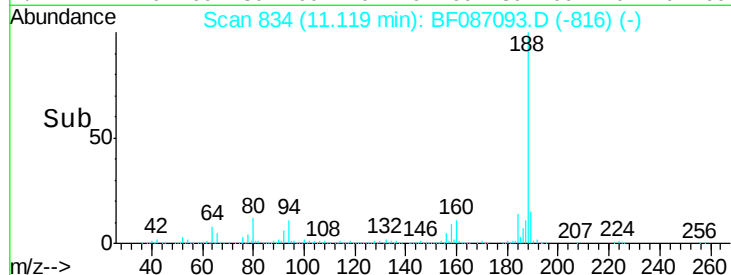
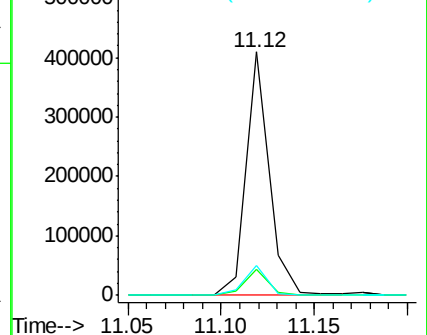
80 12.2 7.1 10.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 3.87 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

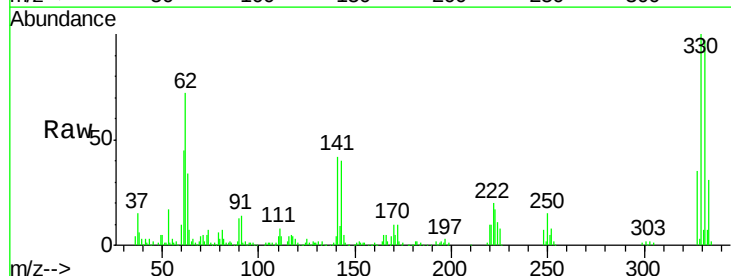
Tgt Ion:248 Resp: 13960

Ion Ratio Lower Upper

248 100

250 203.6 78.6 117.8#

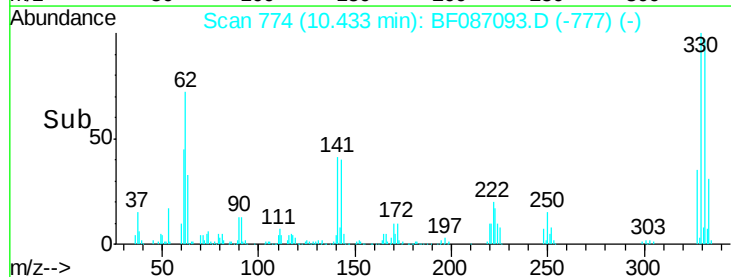
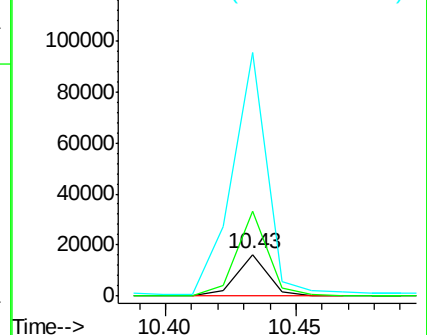
141 579.6 76.0 114.0#

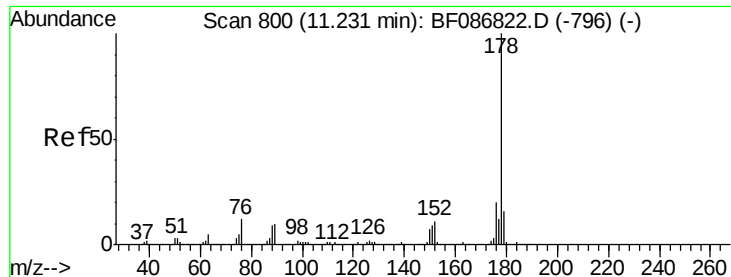


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

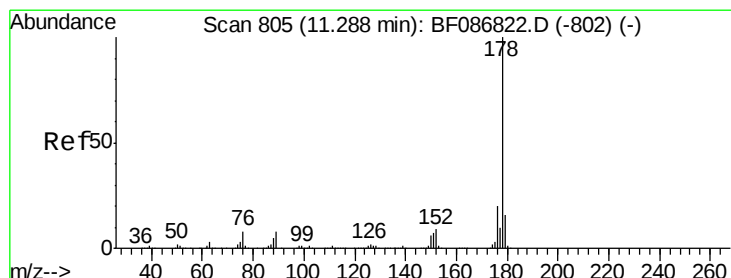
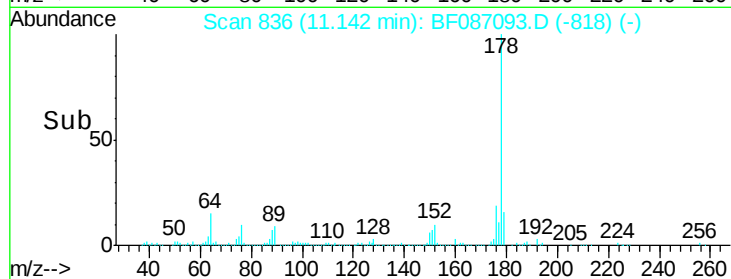
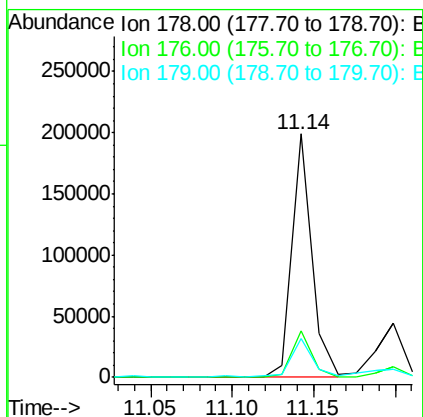
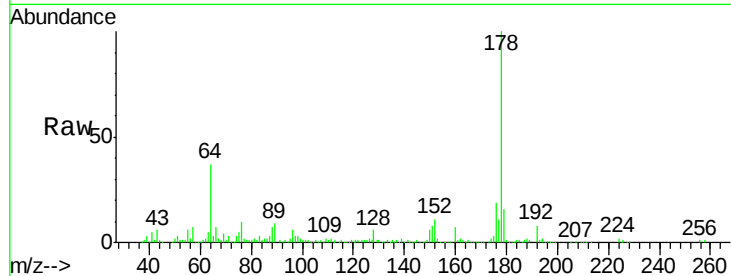




#70
Phenanthrene
Concen: 8.88 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.09 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

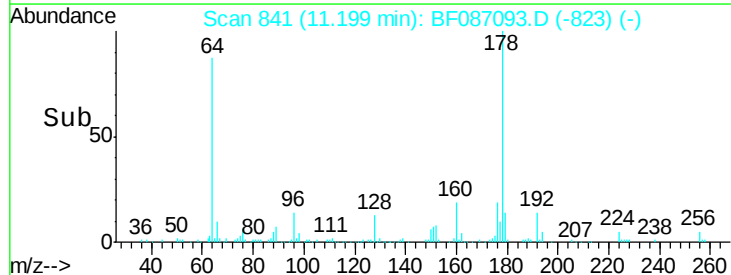
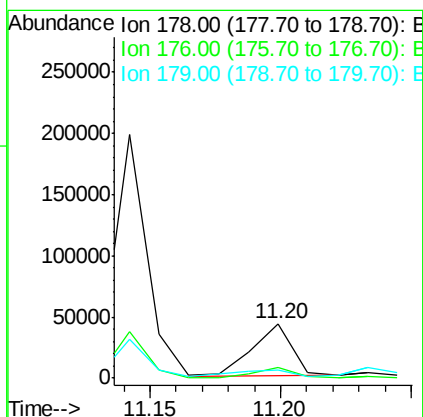
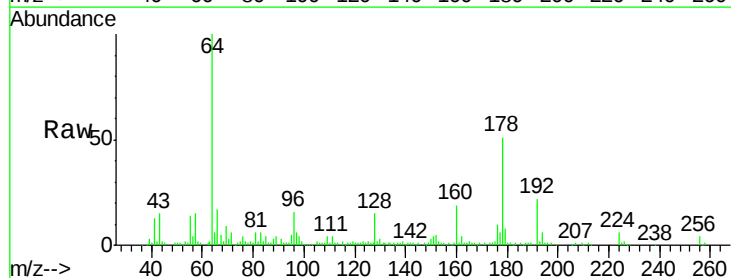
Instrument :
BNA_F
ClientSampleId :
PITT-1-N-WESTRE

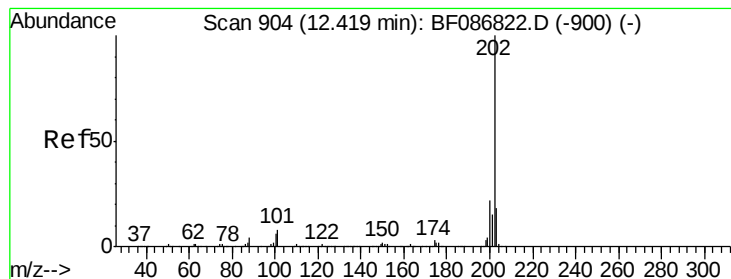
Tgt Ion:178 Resp: 168561
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.8 12.6 18.8



#71
Anthracene
Concen: 2.31 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.09 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

Tgt Ion:178 Resp: 44899
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.7 12.7 19.1





#74

Fluoranthene

Concen: 14.85 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.08 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

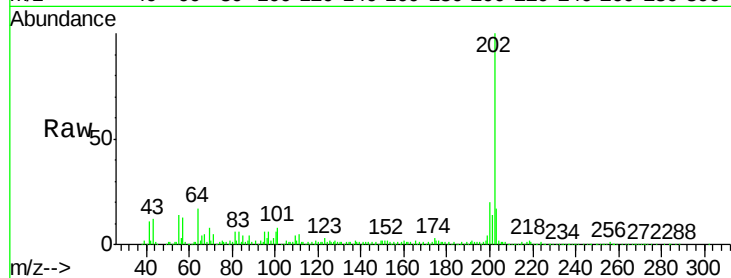
Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WESTRE

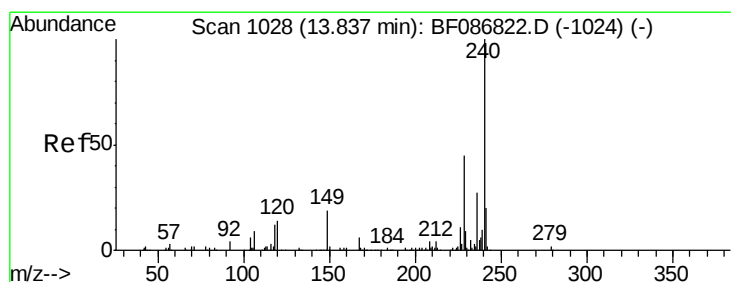
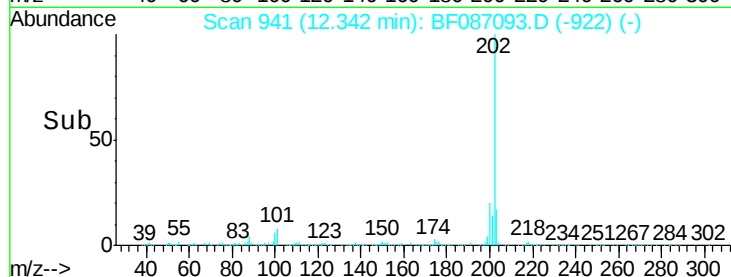
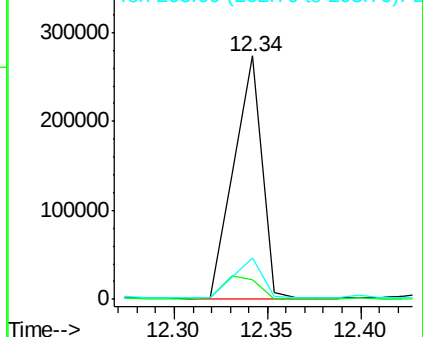
Tgt Ion:	202	Resp:	289867
Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	35.4
203	17.0	0.0	38.1



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

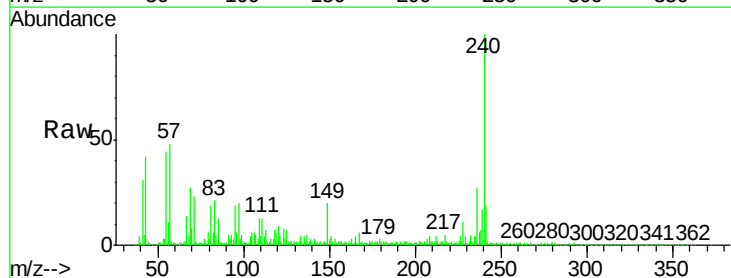
RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

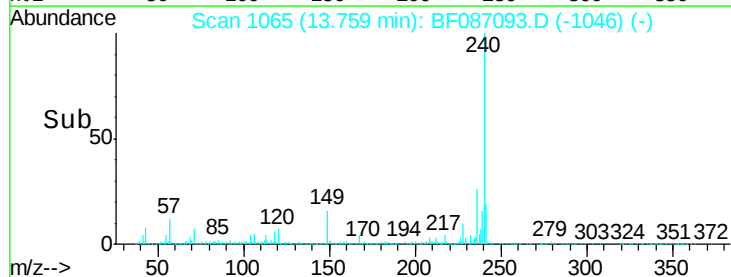
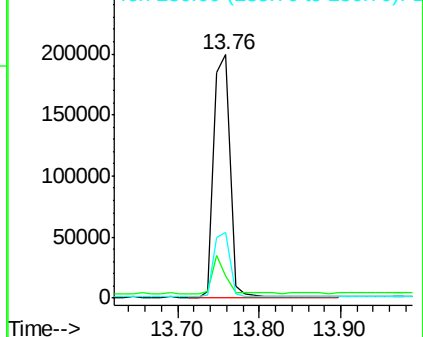
Tgt Ion:	240	Resp:	278371
Ion	Ratio	Lower	Upper
240	100		
120	9.0	11.2	16.8#
236	26.9	21.2	31.8

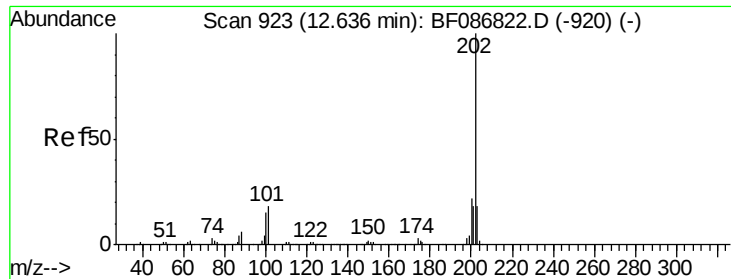


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.69 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.08 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WESTRE

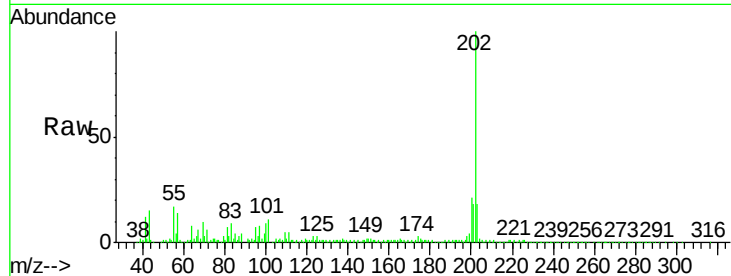
Tgt Ion:202 Resp: 249145

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

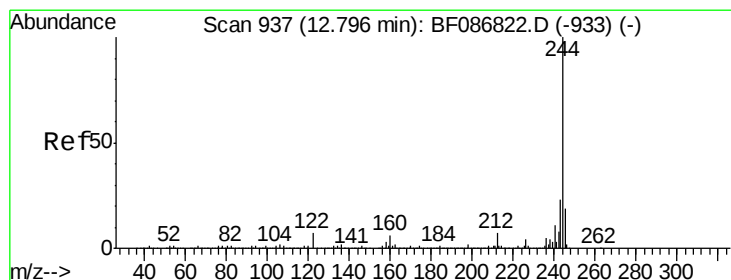
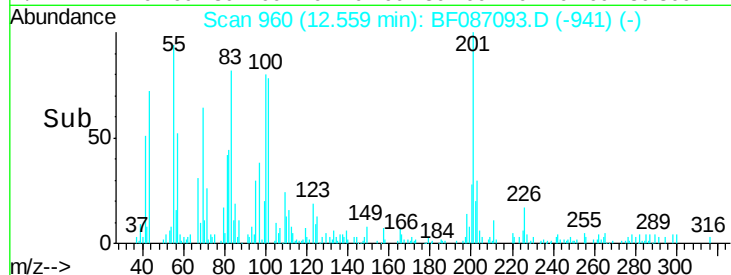
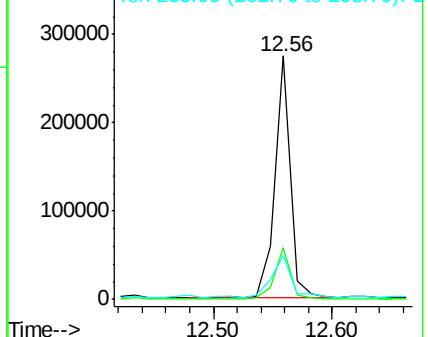
203 18.1 14.2 21.4



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: 64.46 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

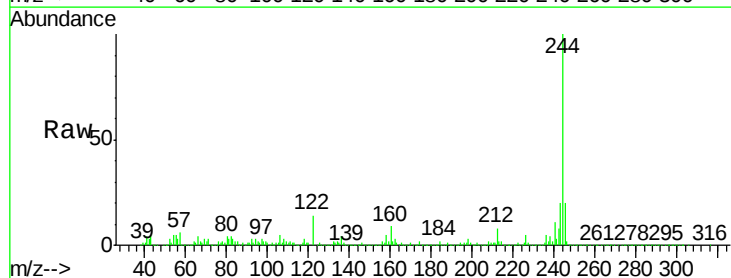
Tgt Ion:244 Resp: 845692

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

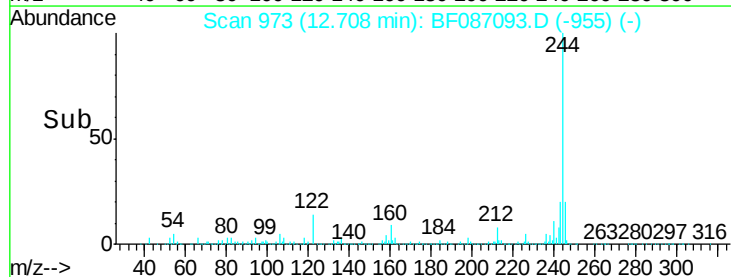
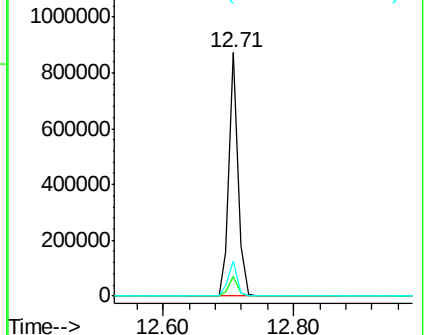
122 14.1 12.0 18.0

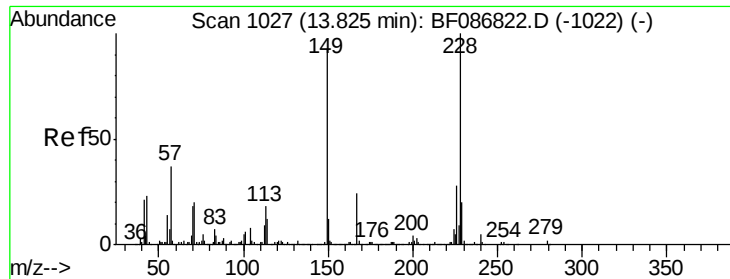


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.69 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.08 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WESTRE

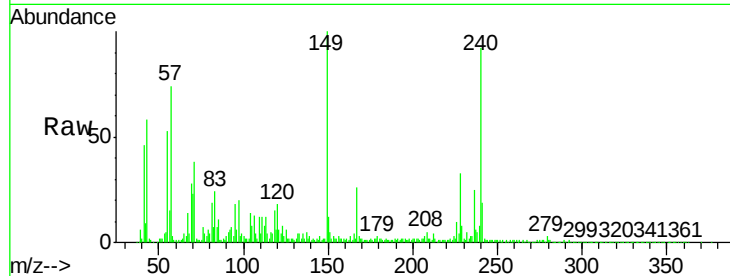
Tgt Ion:228 Resp: 88857

Ion Ratio Lower Upper

228 100

226 29.7 22.5 33.7

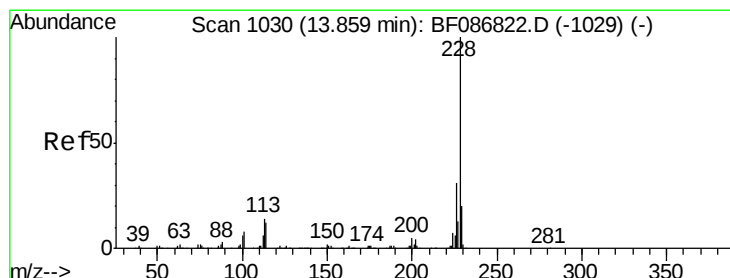
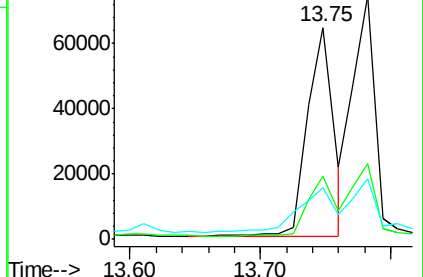
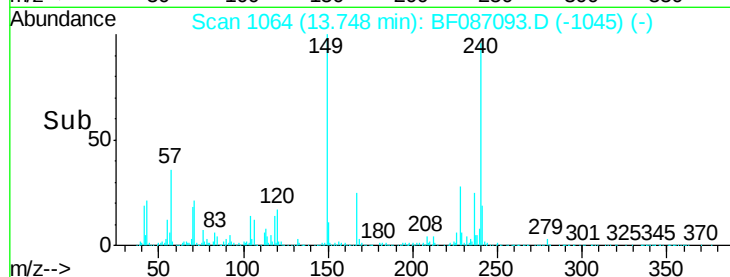
229 24.6 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 5.59 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.11 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

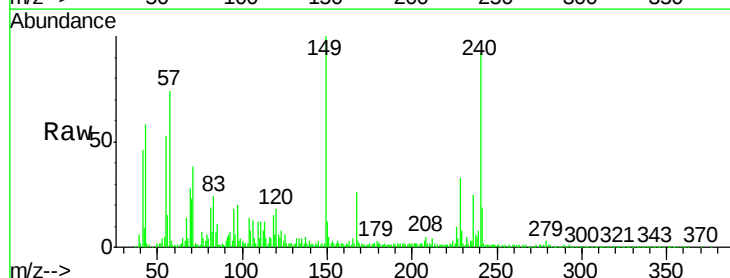
Tgt Ion:228 Resp: 88857

Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

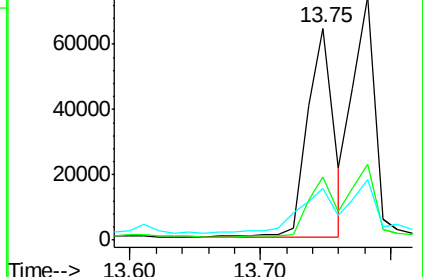
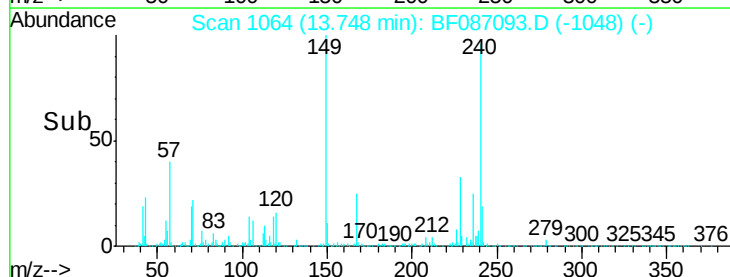
229 24.6 15.8 23.8#

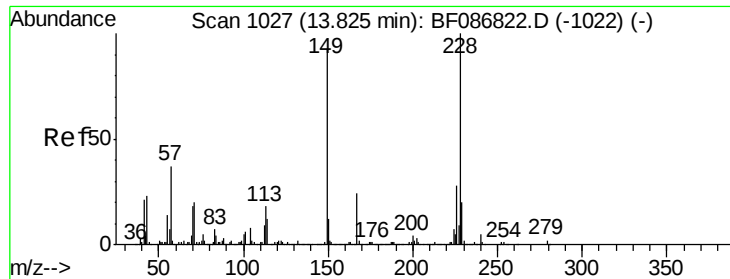


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

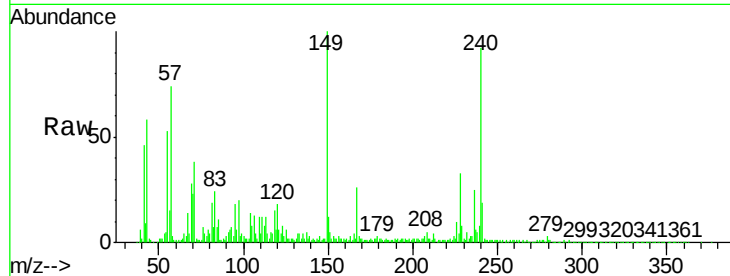




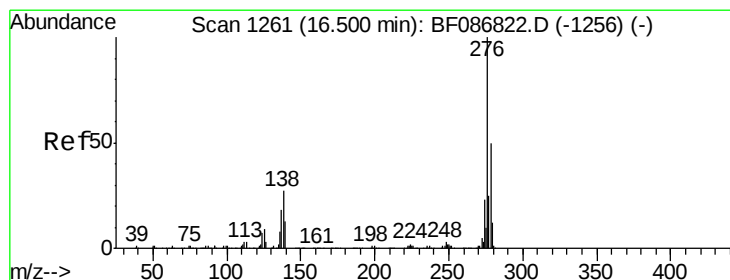
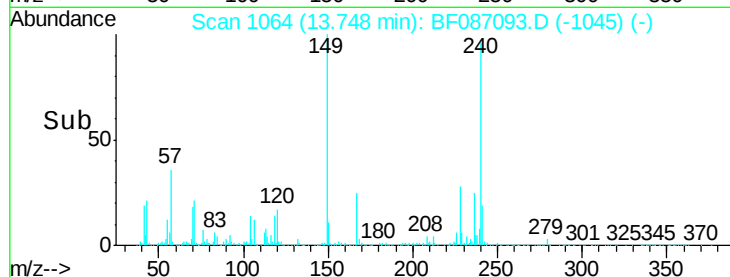
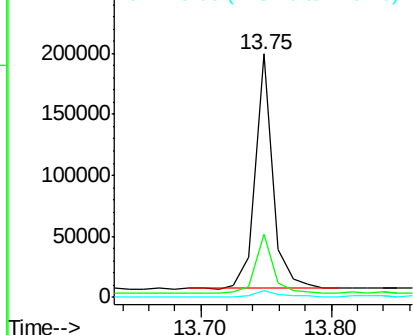
#83
Bis(2-ethylhexyl)phthalate
Concen: 16.82 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.08 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

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

Tgt Ion:149 Resp: 182411
Ion Ratio Lower Upper
149 100
167 26.1 21.8 32.6
279 2.8 2.6 4.0

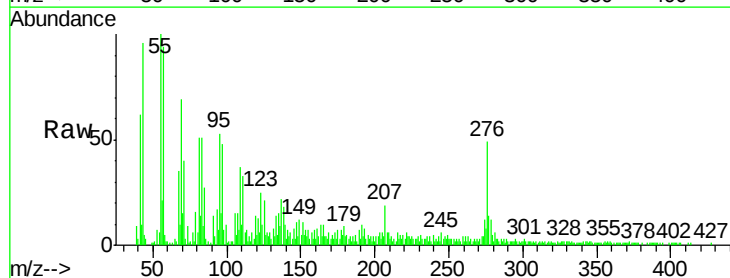


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

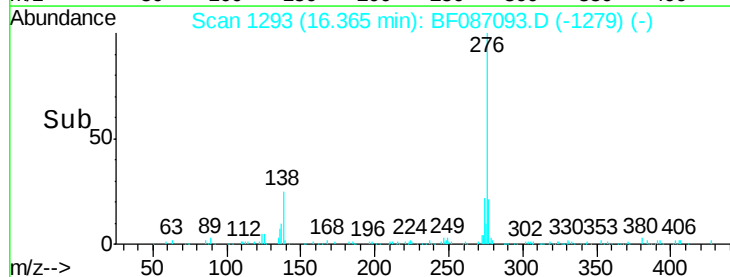
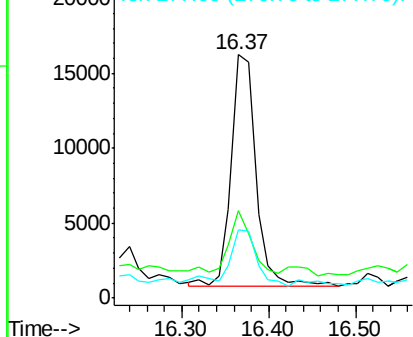


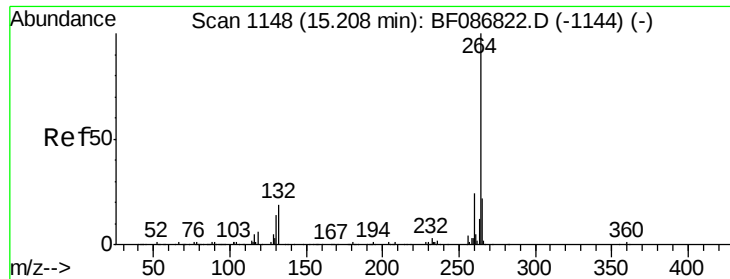
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.32 ng
RT: 16.37 min Scan# 1293
Delta R.T. -0.13 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

Tgt Ion:276 Resp: 30704
Ion Ratio Lower Upper
276 100
138 24.1 25.6 38.4#
277 28.1 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

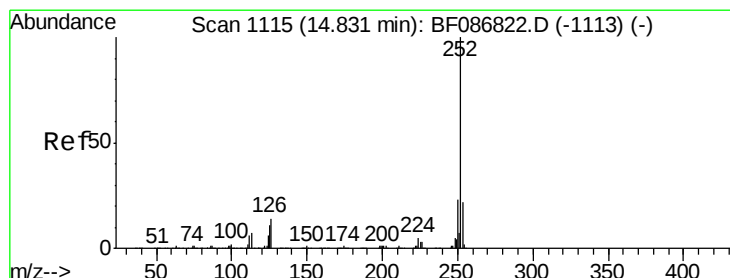
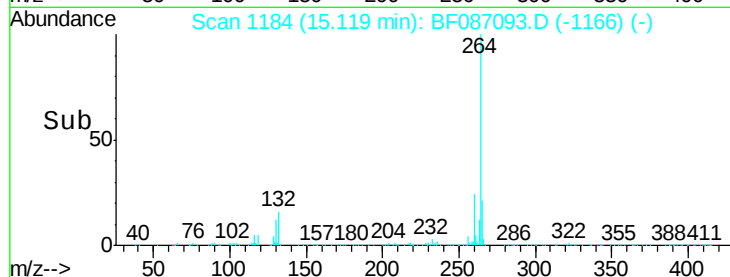
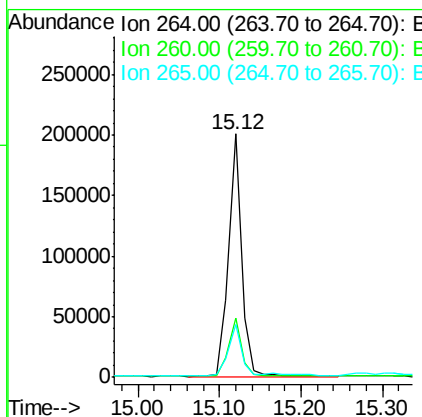
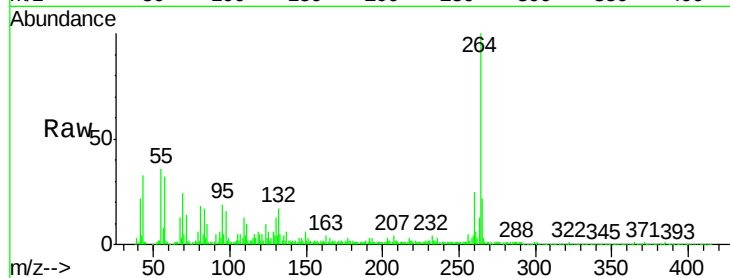




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

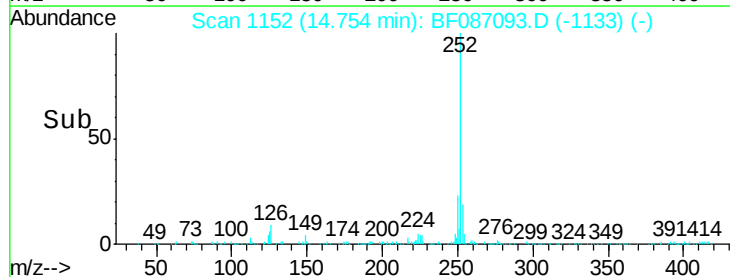
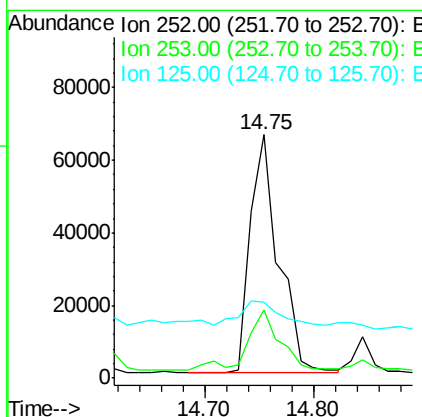
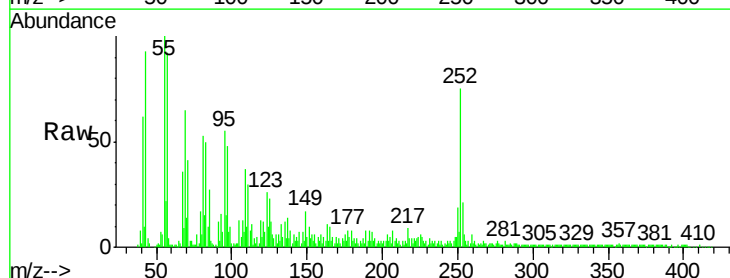
Instrument :
BNA_F
ClientSampleId :
PITT-1-N-WESTRE

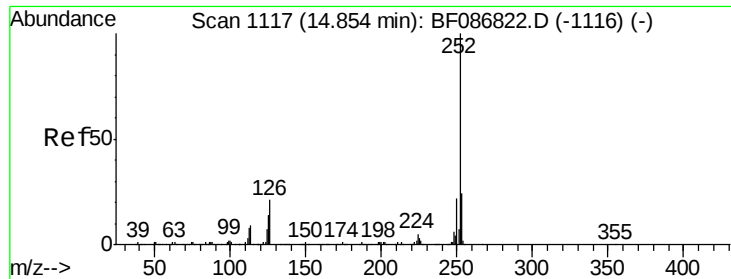
Tgt Ion: 264 Resp: 222510
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.6 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 8.28 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF087093.D
Acq: 16 May 2016 20:51

Tgt Ion: 252 Resp: 119731
Ion Ratio Lower Upper
252 100
253 28.1 17.8 26.6#
125 31.2 11.4 17.0#





#88

Benzo(k)fluoranthene

Concen: 10.11 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.10 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WESTRE

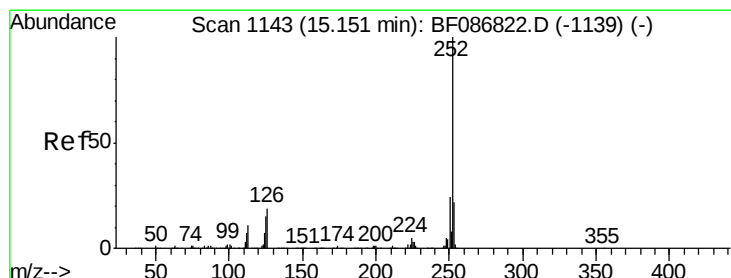
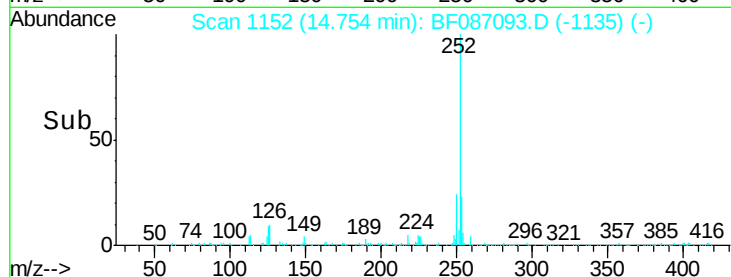
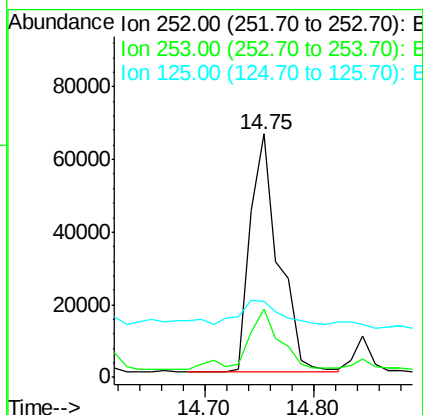
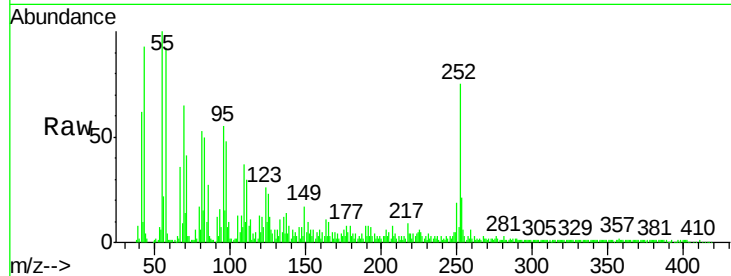
Tgt Ion:252 Resp: 119731

Ion Ratio Lower Upper

252 100

253 28.1 17.8 26.6#

125 31.2 9.1 13.7#



#89

Benzo(a)pyrene

Concen: 3.76 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.09 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

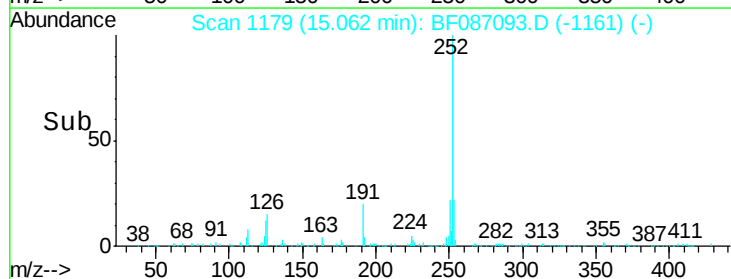
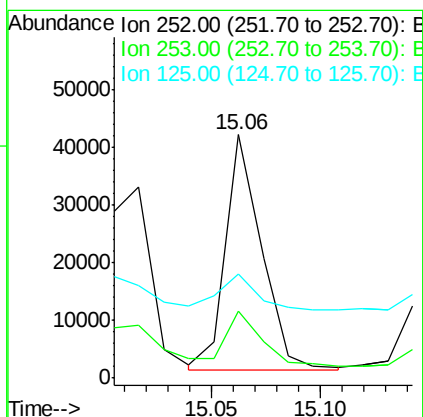
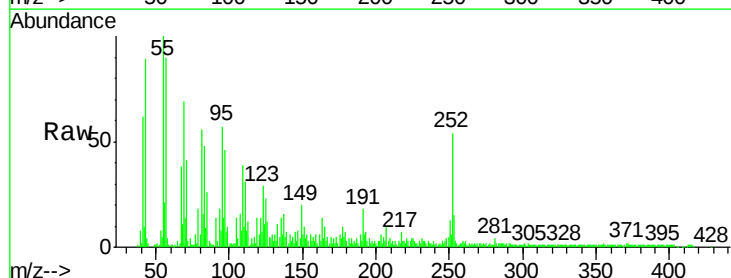
Tgt Ion:252 Resp: 46950

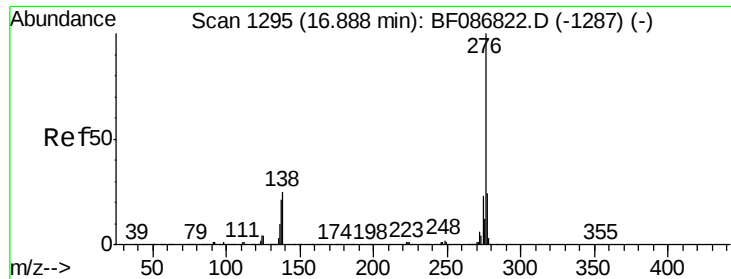
Ion Ratio Lower Upper

252 100

253 27.3 17.2 25.8#

125 43.0 9.0 13.6#





#91

Benzo(g,h,i)perylene

Concen: 2.99 ng

RT: 16.74 min Scan# 1326

Delta R.T. -0.15 min

Lab File: BF087093.D

Acq: 16 May 2016 20:51

Instrument :

BNA_F

ClientSampleId :

PITT-1-N-WESTRE

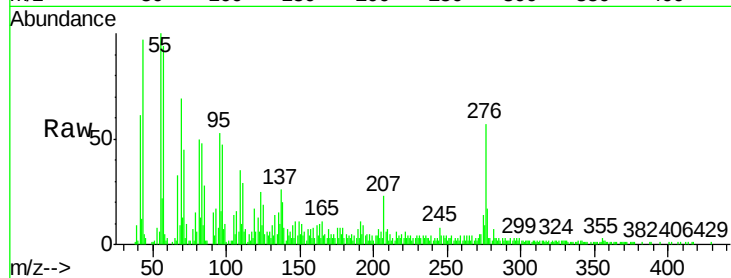
Tgt Ion: 276 Resp: 31954

Ion Ratio Lower Upper

276 100

277 30.4 19.6 29.4#

138 34.2 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

