

Data Path : Z:\HPCHEM1\BNA_F\Data\BF011215\
 Data File : BF076827.D
 Acq On : 13 Jan 2015 3:35
 Operator : IZ / TP
 Sample : G1049-01 5X
 Misc : S
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Quant Time: Jan 13 04:17:30 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 12 10:43:48 2015
 Response via : Initial Calibration

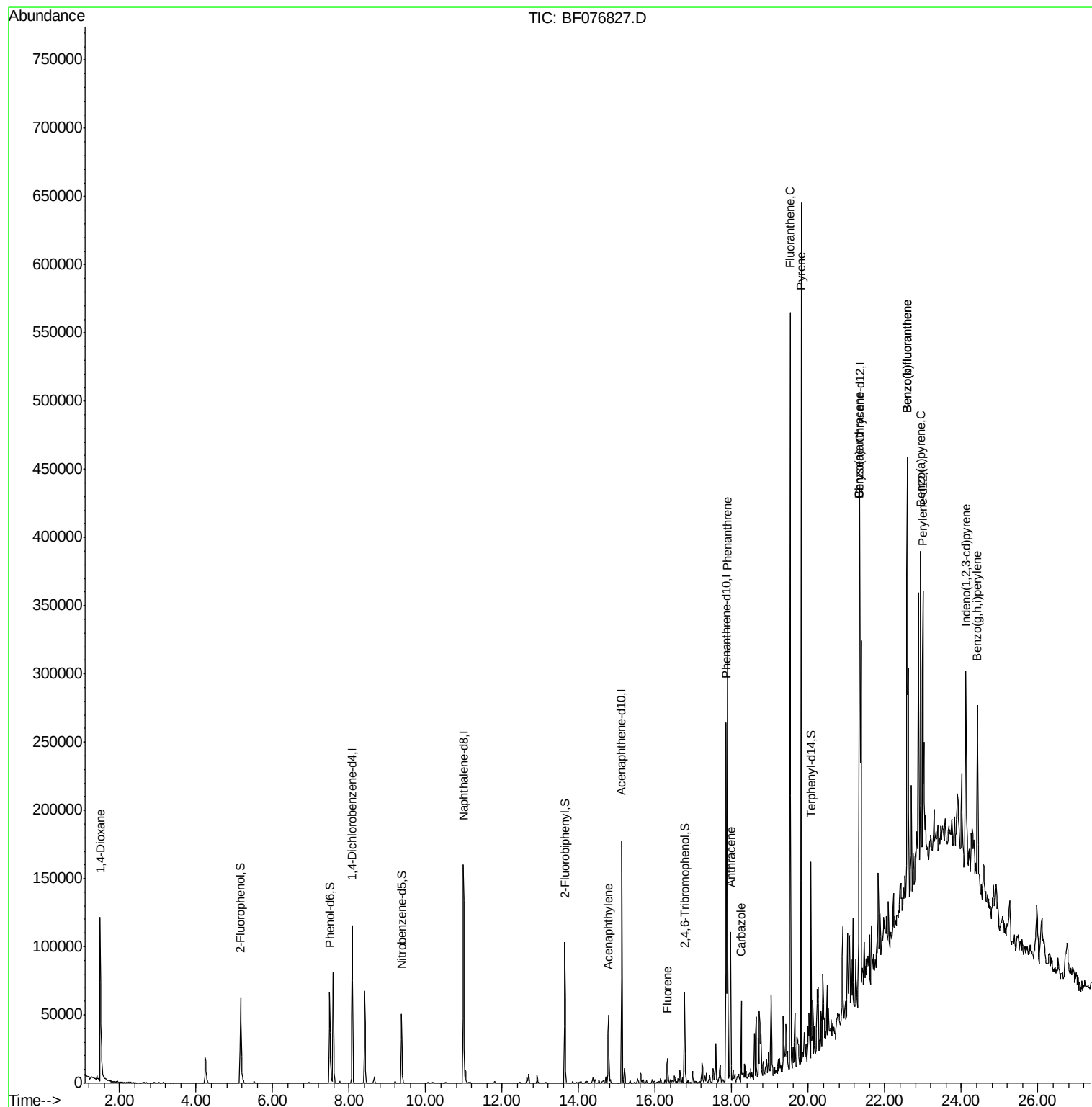
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	30374	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	129916	20.00	ng	-0.01
38) Acenaphthene-d10	15.12	164	68345	20.00	ng	-0.01
63) Phenanthrene-d10	17.85	188	112191	20.00	ng	0.00
75) Chrysene-d12	21.34	240	102455	20.00	ng	-0.01
86) Perylene-d12	23.00	264	97259	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	34448	18.92	ng	-0.01
7) Phenol-d6	7.49	99	45289	19.76	ng	-0.01
23) Nitrobenzene-d5	9.37	82	29096	12.45	ng	-0.01
41) 2,4,6-Tribromophenol	16.77	330	9993	17.52	ng	-0.01
44) 2-Fluorobiphenyl	13.64	172	57681	12.42	ng	-0.01
78) Terphenyl-d14	20.07	244	48946	10.49	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.49	88	4907	6.32	ng	# 20
48) Acenaphthylene	14.78	152	44359	6.20	ng	# 93
57) Fluorene	16.32	166	10008	2.03	ng	91
70) Phenanthrene	17.89	178	152412	21.80	ng	99
71) Anthracene	17.97	178	61913	9.12	ng	99
72) Carbazole	18.24	167	25530	3.83	ng	94
74) Fluoranthene	19.52	202	260162	36.33	ng	97
77) Pyrene	19.81	202	244921	33.22	ng	96
80) Benzo(a)anthracene	21.33	228	133465	20.45	ng	# 92
82) Chrysene	21.33	228	131726	22.31	ng	94
85) Indeno(1,2,3-cd)pyrene	24.12	276	82990	14.20	ng	# 100
87) Benzo(b)fluoranthene	22.59	252	236060	35.04	ng	98
88) Benzo(k)fluoranthene	22.59	252	236805	40.21	ng	99
89) Benzo(a)pyrene	22.93	252	108195	18.69	ng	# 91
91) Benzo(g,h,i)perylene	24.41	276	83390	15.49	ng	# 95

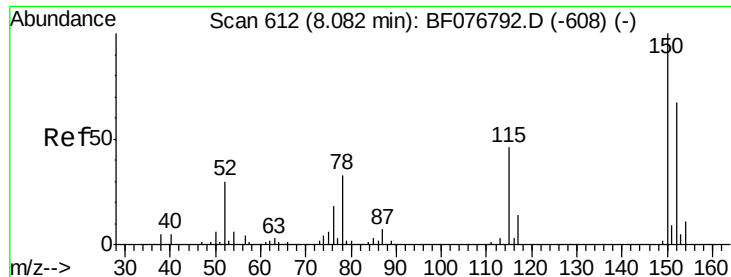
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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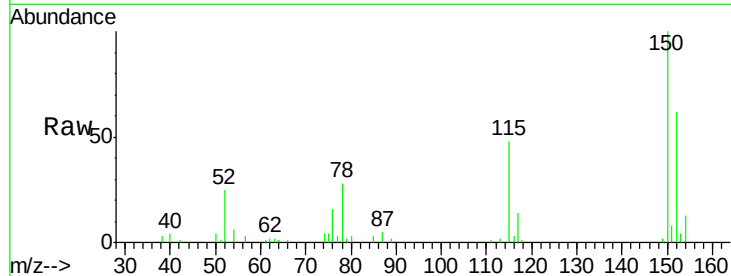


#1

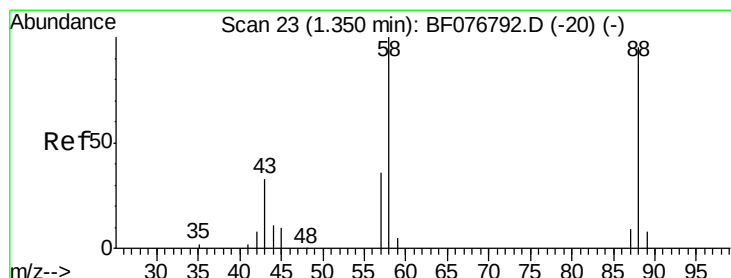
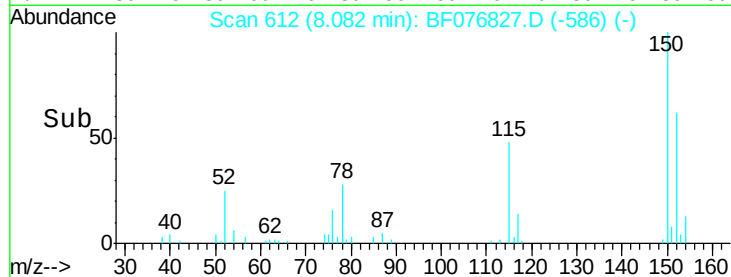
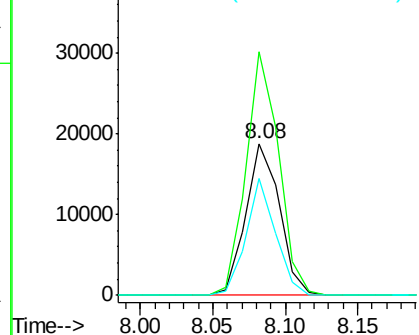
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 612
Delta R.T. 0.00 min
Lab File: BF076827.D
Acq: 13 Jan 2015 3:35

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:152 Resp: 30374
Ion Ratio Lower Upper
152 100
150 160.4 119.5 179.3
115 76.9 54.6 81.8



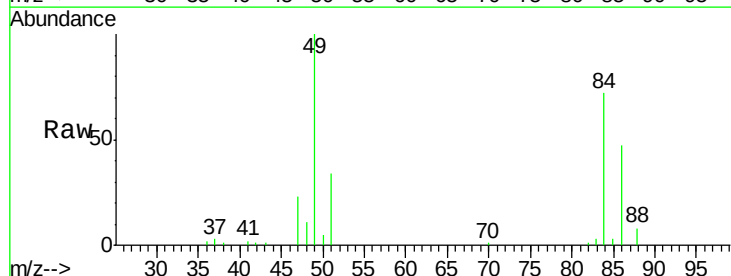
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



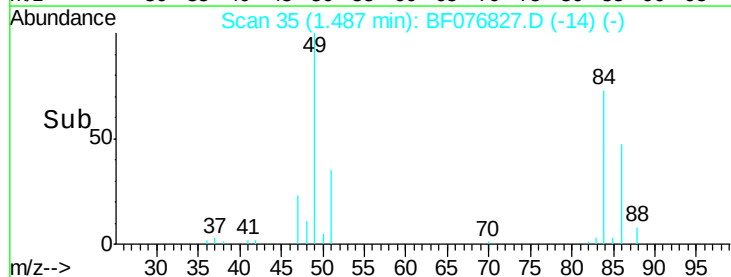
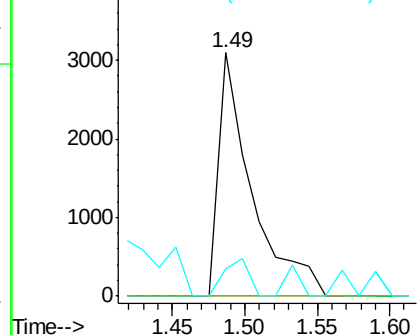
#2

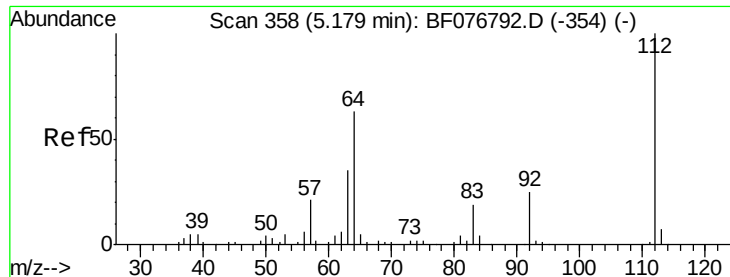
1,4-Dioxane
Concen: 6.32 ng
RT: 1.49 min Scan# 35
Delta R.T. 0.14 min
Lab File: BF076827.D
Acq: 13 Jan 2015 3:35

Tgt Ion: 88 Resp: 4907
Ion Ratio Lower Upper
88 100
58 0.0 72.4 108.6#
43 11.6 24.0 36.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 18.92 ng

RT: 5.17 min Scan# 357

Delta R.T. -0.01 min

Lab File: BF076827.D

Acq: 13 Jan 2015 3:35

Instrument :

BNA_F

ClientSampleId :

WASTE

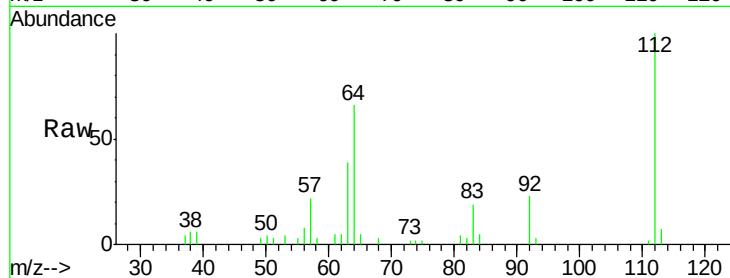
Tgt Ion: 112 Resp: 34448

Ion Ratio Lower Upper

112 100

64 66.2 50.2 75.4

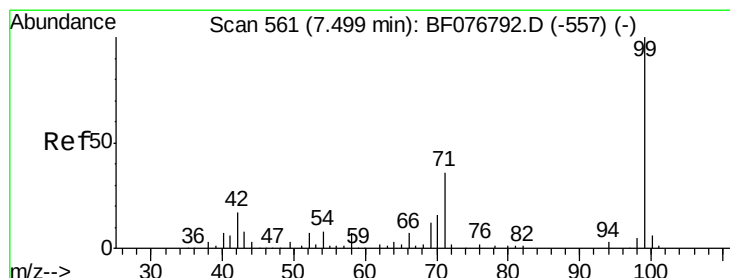
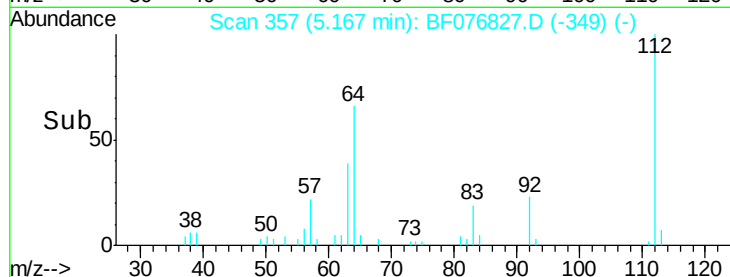
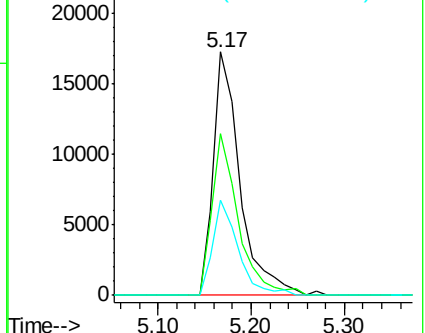
63 39.2 27.8 41.6



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: 19.76 ng

RT: 7.49 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF076827.D

Acq: 13 Jan 2015 3:35

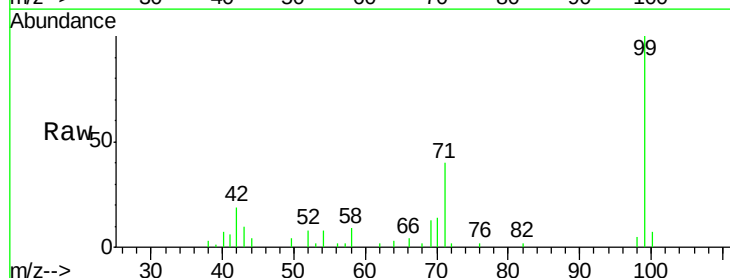
Tgt Ion: 99 Resp: 45289

Ion Ratio Lower Upper

99 100

42 19.0 13.3 19.9

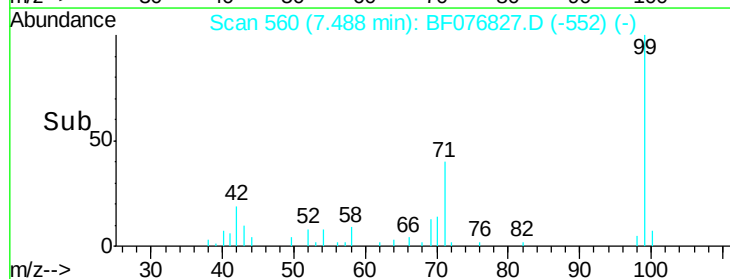
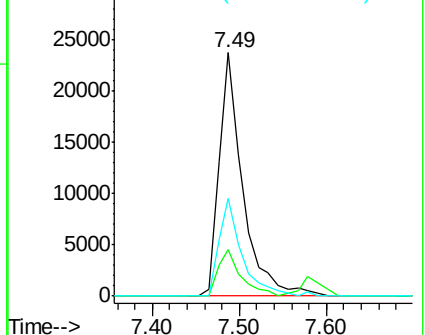
71 39.9 29.2 43.8

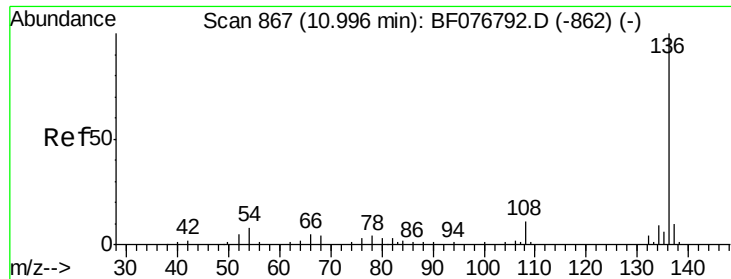


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

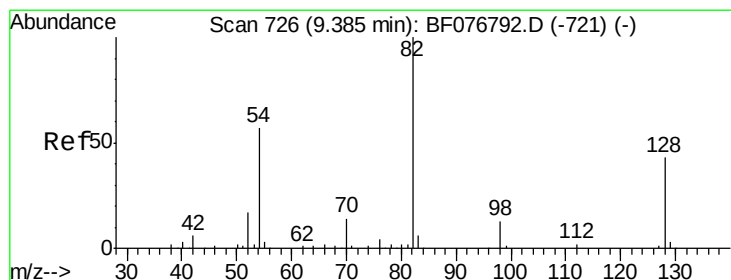
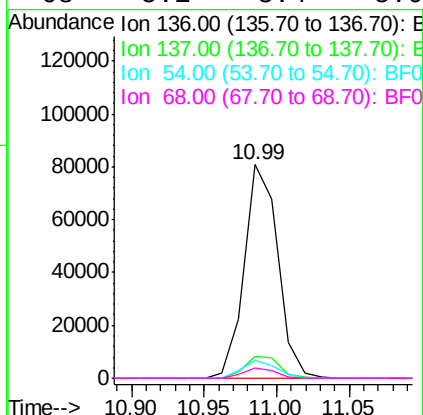
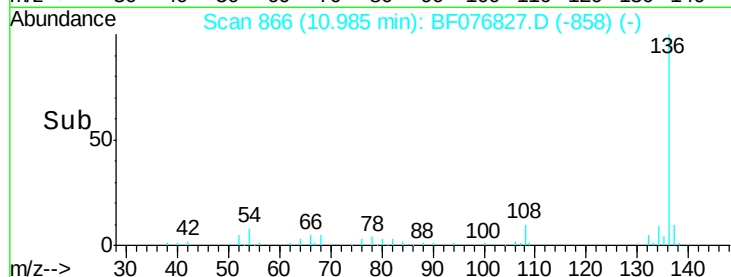
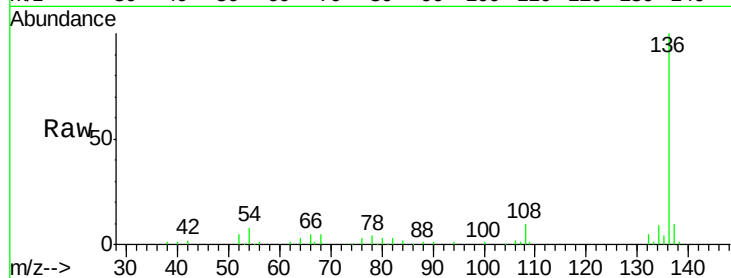




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF076827.D
Acq: 13 Jan 2015 3:35

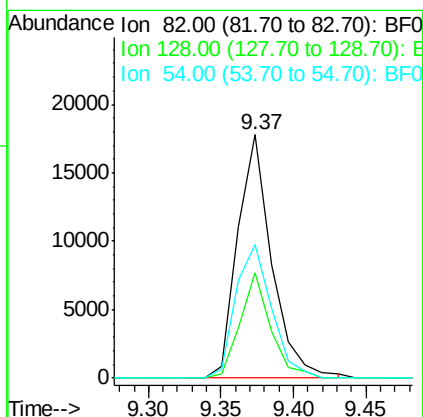
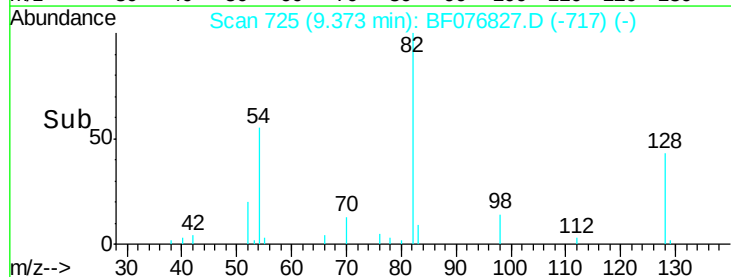
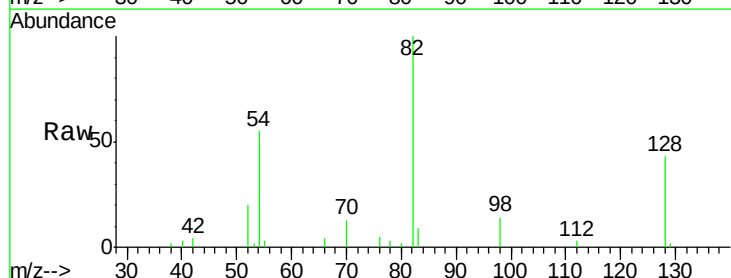
Instrument :
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ClientSampleId :
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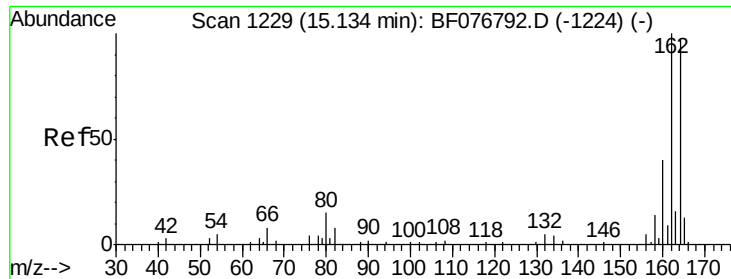
Tgt Ion:	136	Resp:	129916
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.1	12.1
54	8.4	6.3	9.5
68	5.1	3.4	5.0#



#23
Nitrobenzene-d5
Concen: 12.45 ng
RT: 9.37 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF076827.D
Acq: 13 Jan 2015 3:35

Tgt Ion:	82	Resp:	29096
Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.0	51.0
54	54.8	45.6	68.4

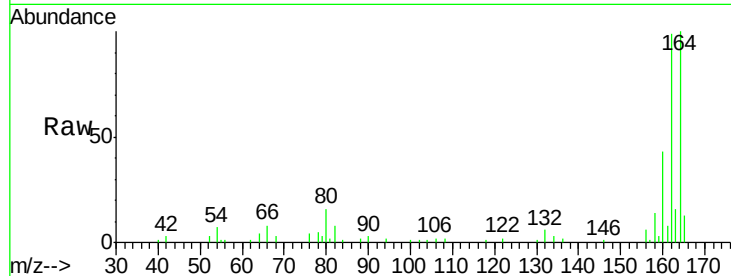




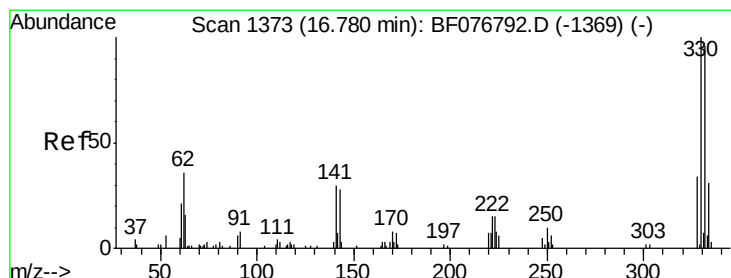
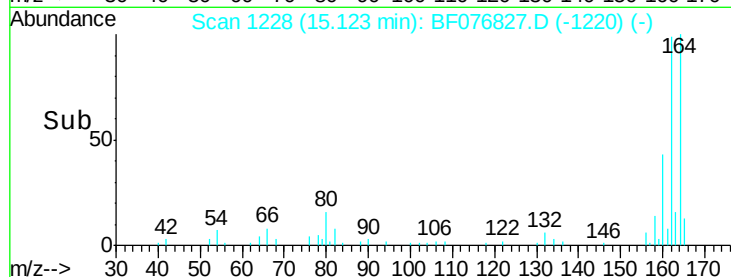
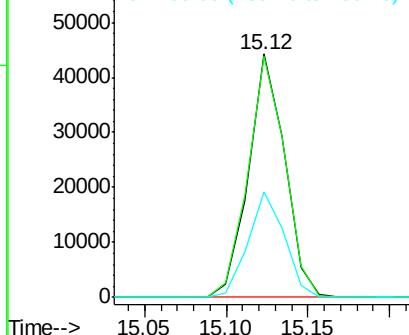
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF076827.D
 Acq: 13 Jan 2015 3:35

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Tgt Ion:164 Resp: 68345
 Ion Ratio Lower Upper
 164 100
 162 98.9 82.5 123.7
 160 43.1 33.1 49.7

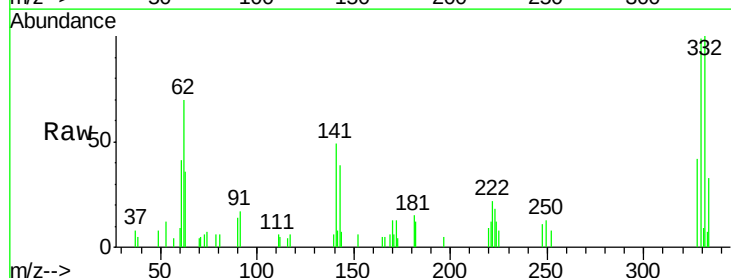


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

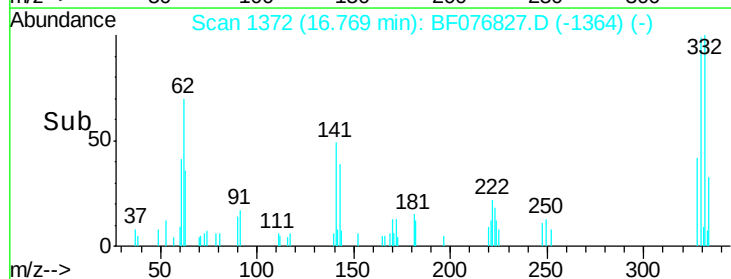
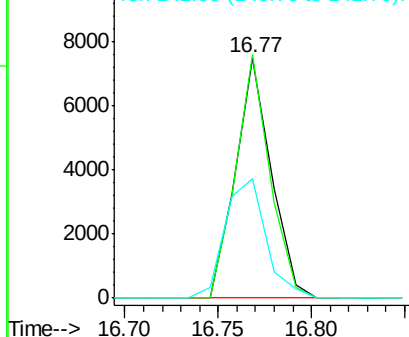


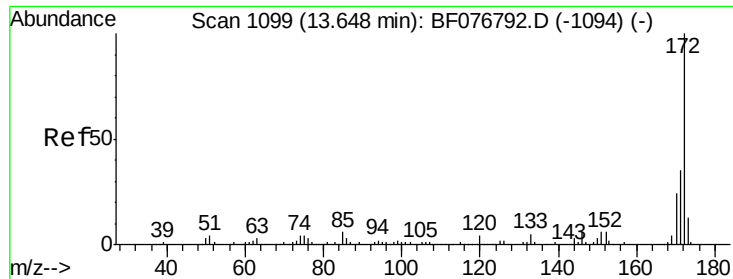
#41
 2,4,6-Tribromophenol
 Concen: 17.52 ng
 RT: 16.77 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BF076827.D
 Acq: 13 Jan 2015 3:35

Tgt Ion:330 Resp: 9993
 Ion Ratio Lower Upper
 330 100
 332 96.8 74.8 112.2
 141 57.4 42.4 63.6



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

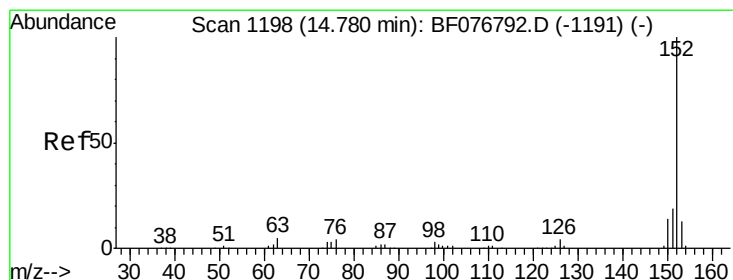
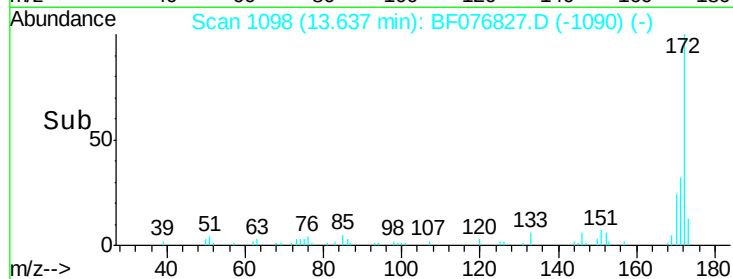
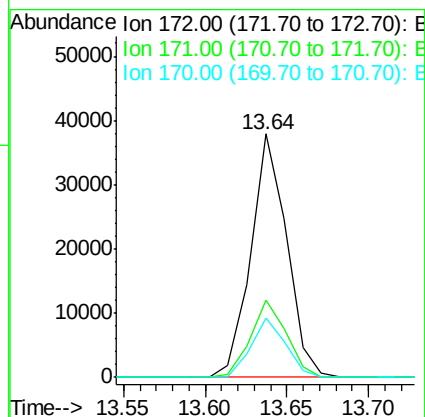
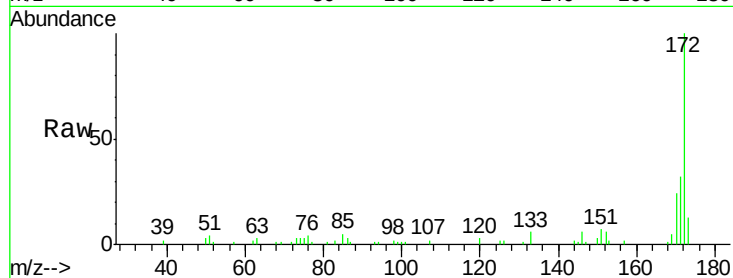




#44
2-Fluorobiphenyl
Concen: 12.42 ng
RT: 13.64 min Scan# 1098
Delta R.T. -0.01 min
Lab File: BF076827.D
Acq: 13 Jan 2015 3:35

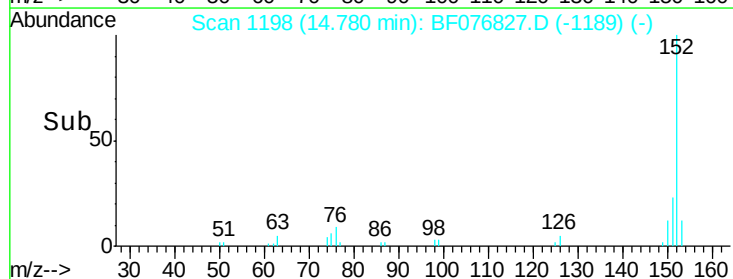
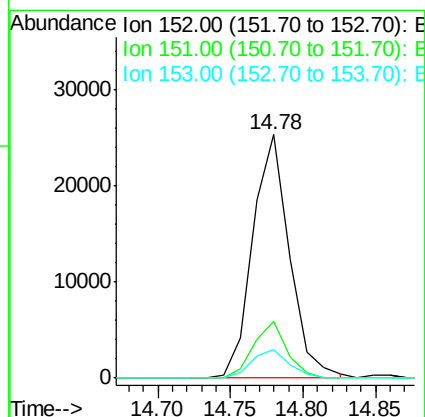
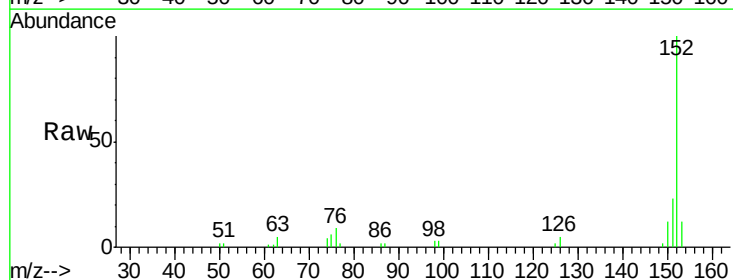
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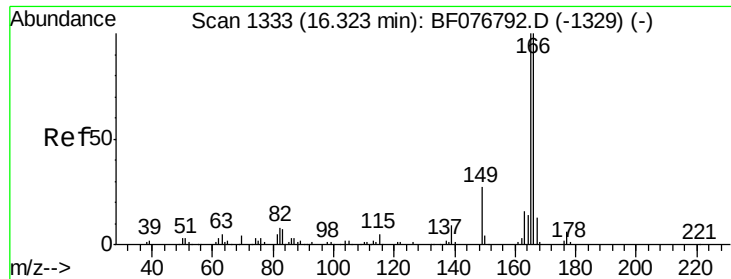
Tgt Ion:172 Resp: 57681
Ion Ratio Lower Upper
172 100
171 31.6 27.8 41.8
170 24.4 18.8 28.2



#48
Acenaphthylene
Concen: 6.20 ng
RT: 14.78 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BF076827.D
Acq: 13 Jan 2015 3:35

Tgt Ion:152 Resp: 44359
Ion Ratio Lower Upper
152 100
151 23.5 15.2 22.8#
153 11.9 10.5 15.7

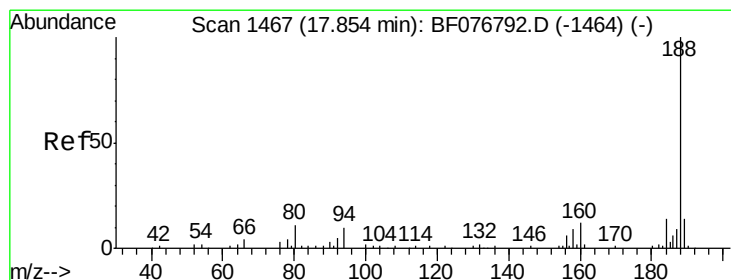
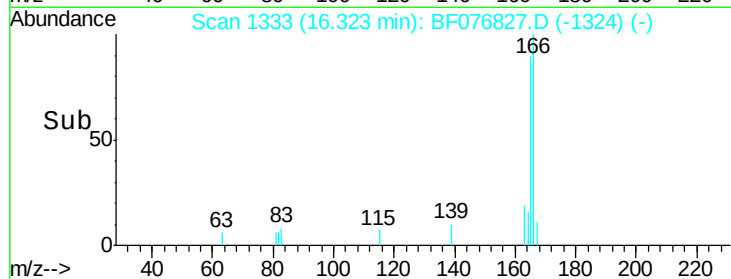
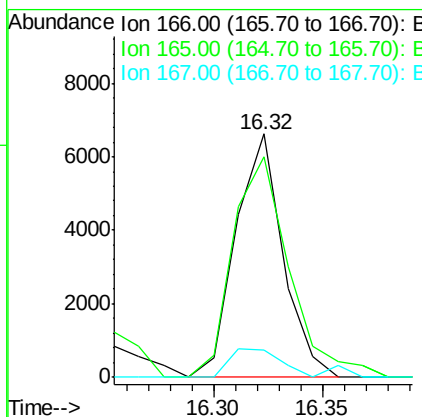
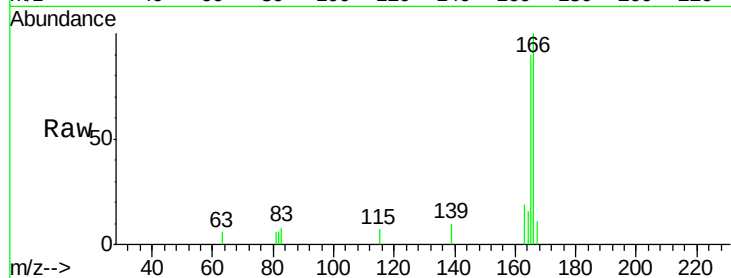




#57
 Fluorene
 Concen: 2.03 ng
 RT: 16.32 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: BF076827.D
 Acq: 13 Jan 2015 3:35

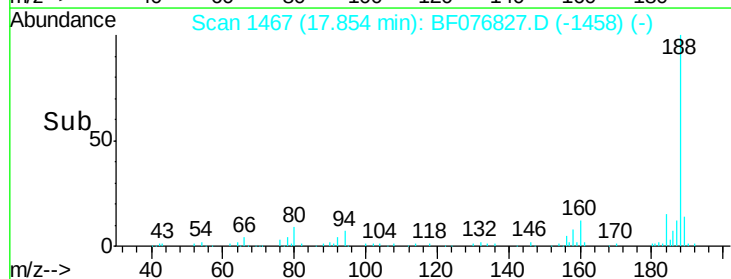
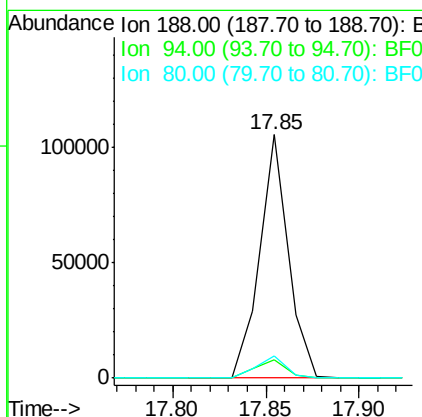
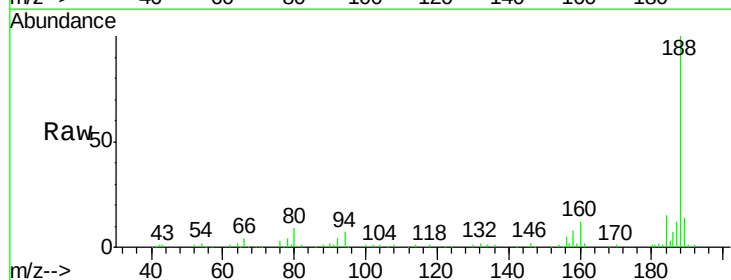
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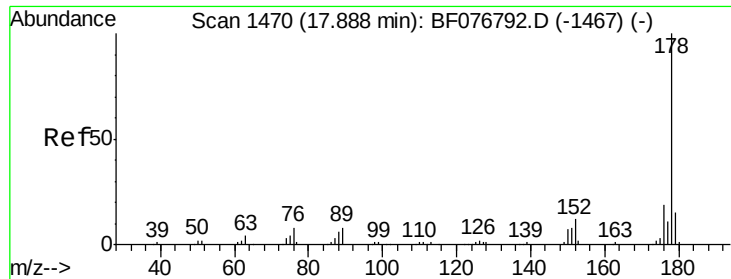
Tgt Ion:166 Resp: 10008
 Ion Ratio Lower Upper
 166 100
 165 90.4 79.6 119.4
 167 11.1 10.2 15.2



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.85 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF076827.D
 Acq: 13 Jan 2015 3:35

Tgt Ion:188 Resp: 112191
 Ion Ratio Lower Upper
 188 100
 94 7.5 7.8 11.6#
 80 9.2 8.6 13.0

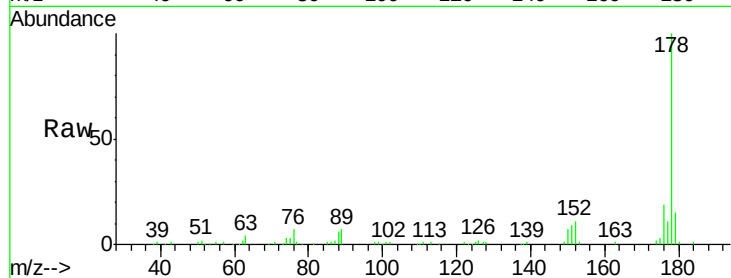




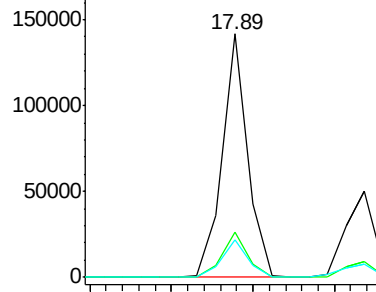
#70
 Phenanthrene
 Concen: 21.80 ng
 RT: 17.89 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BF076827.D
 Acq: 13 Jan 2015 3:35

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

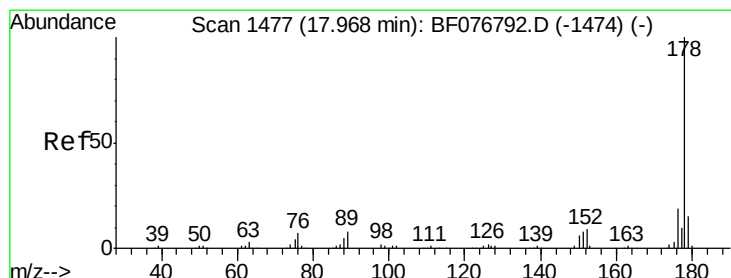
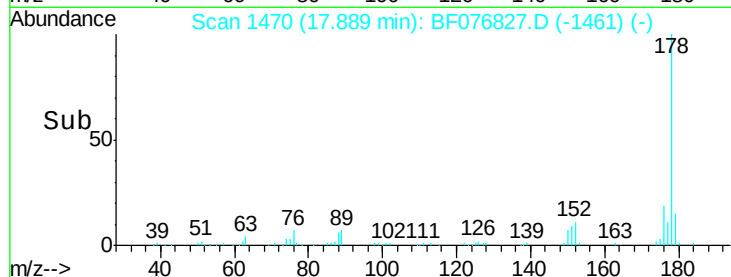
Tgt Ion:178 Resp: 152412
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 15.2 11.8 17.8



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

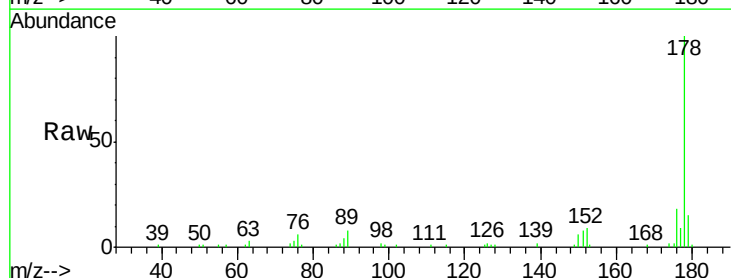


Time--> 17.80 17.85 17.90 17.95

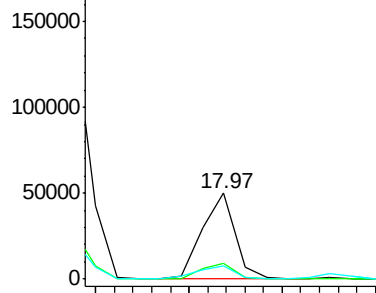


#71
 Anthracene
 Concen: 9.12 ng
 RT: 17.97 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: BF076827.D
 Acq: 13 Jan 2015 3:35

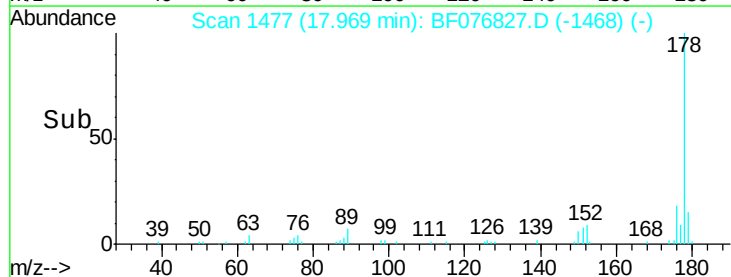
Tgt Ion:178 Resp: 61913
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.3 22.9
 179 15.2 12.2 18.4

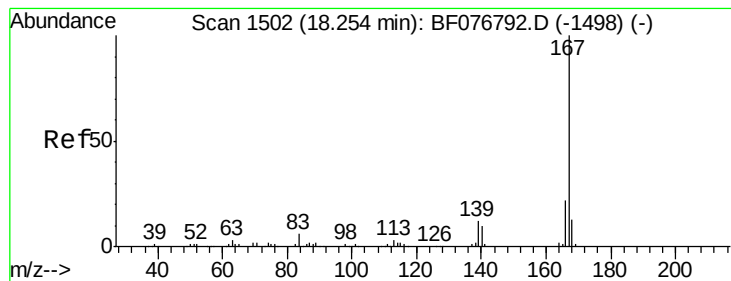


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time--> 17.90 17.95 18.00





#72

Carbazole

Concen: 3.83 ng

RT: 18.24 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BF076827.D

Acq: 13 Jan 2015 3:35

Instrument :

BNA_F

ClientSampleId :

WASTE

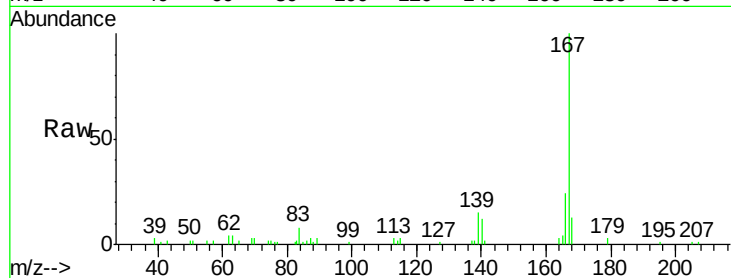
Tgt Ion:167 Resp: 25530

Ion Ratio Lower Upper

167 100

166 24.2 17.2 25.8

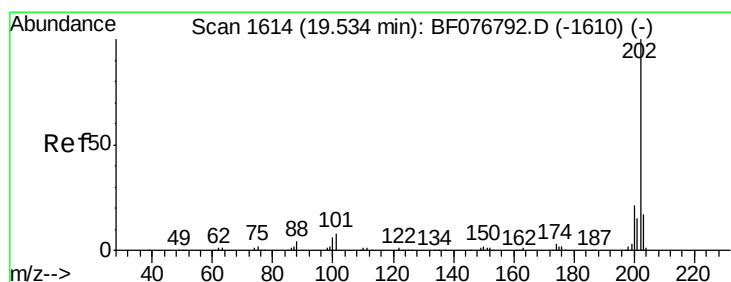
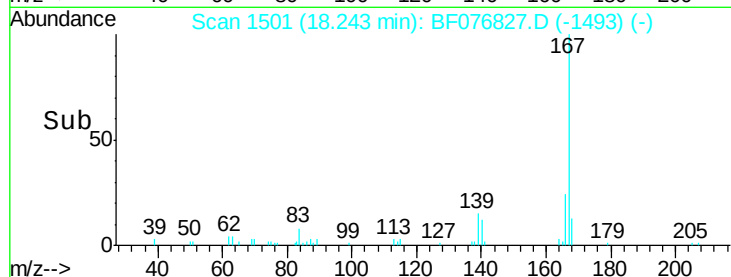
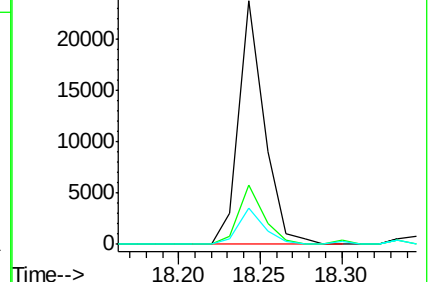
139 14.9 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 36.33 ng

RT: 19.52 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF076827.D

Acq: 13 Jan 2015 3:35

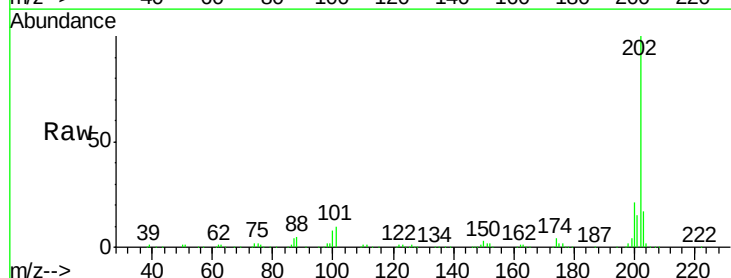
Tgt Ion:202 Resp: 260162

Ion Ratio Lower Upper

202 100

101 10.4 0.0 28.0

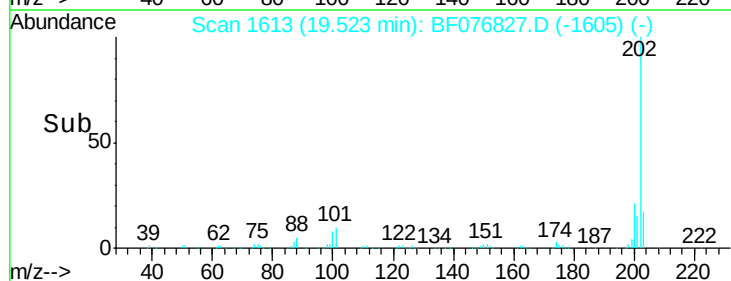
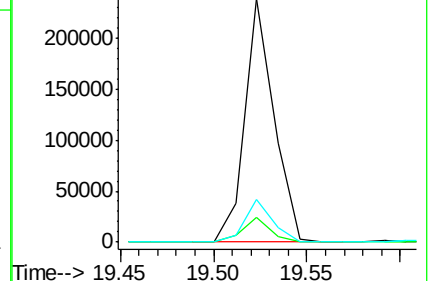
203 17.5 0.0 37.2

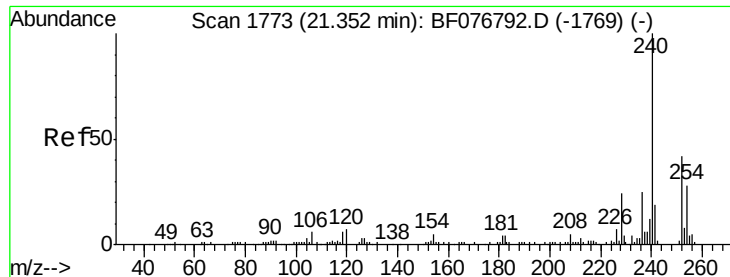


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.34 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF076827.D

Acq: 13 Jan 2015 3:35

Instrument :

BNA_F

ClientSampleId :

WASTE

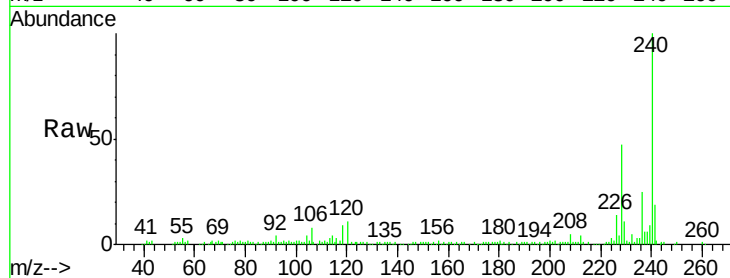
Tgt Ion:240 Resp: 102455

Ion Ratio Lower Upper

240 100

120 11.3 5.7 8.5#

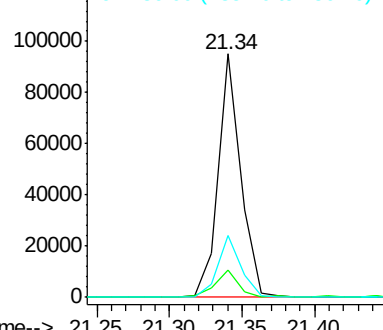
236 25.4 19.7 29.5



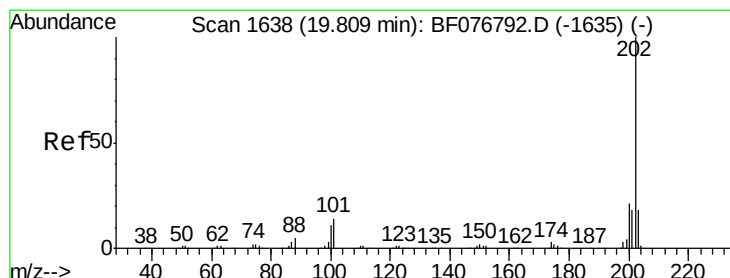
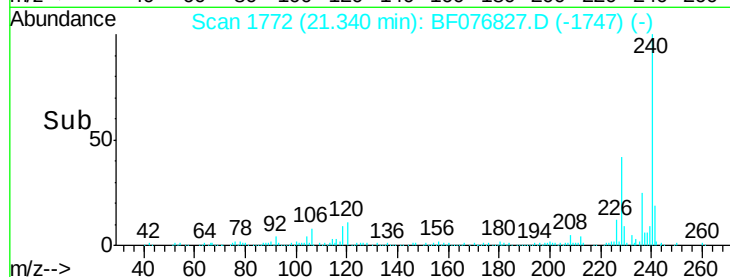
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.25 21.30 21.35 21.40



#77

Pyrene

Concen: 33.22 ng

RT: 19.81 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BF076827.D

Acq: 13 Jan 2015 3:35

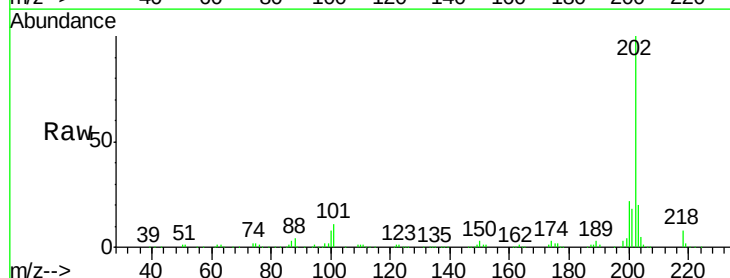
Tgt Ion:202 Resp: 244921

Ion Ratio Lower Upper

202 100

200 22.2 16.6 25.0

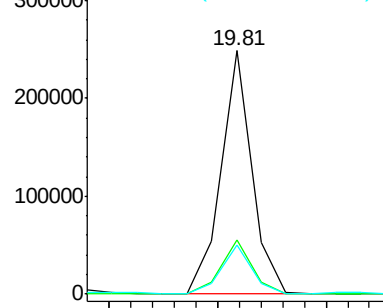
203 20.3 14.6 22.0



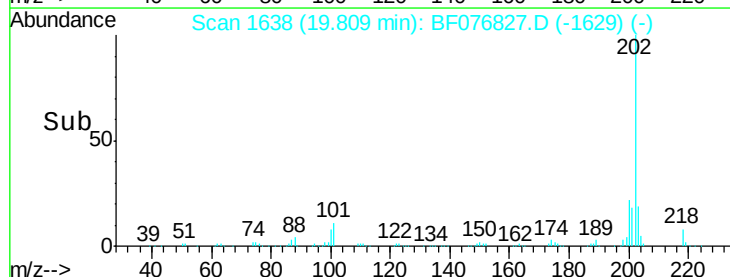
Abundance Ion 202.00 (201.70 to 202.70): E

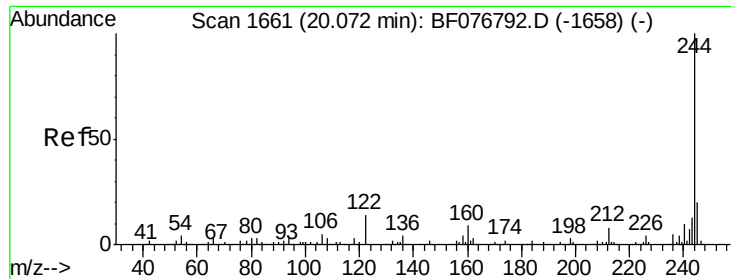
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.75 19.80 19.85

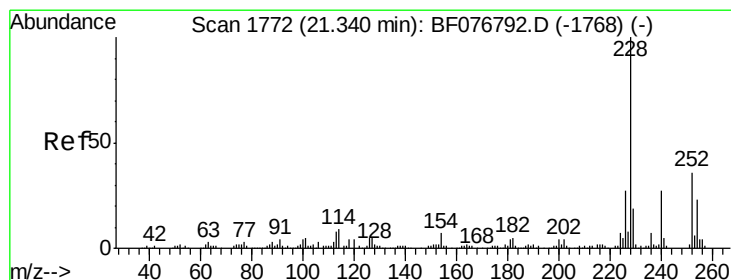
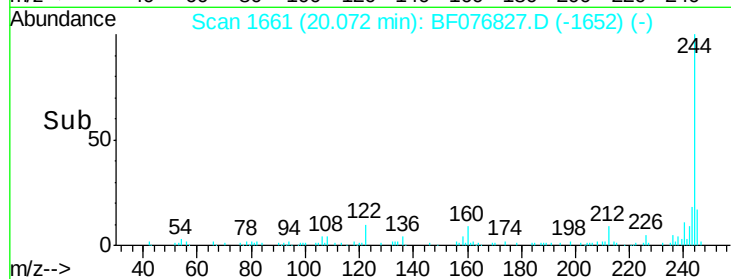
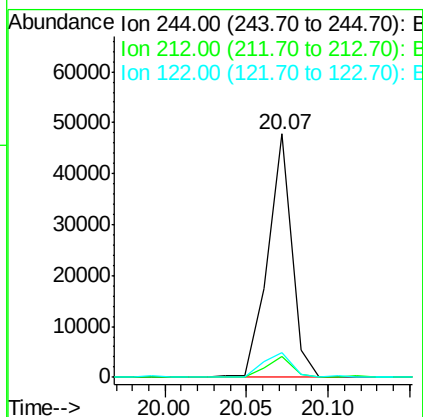
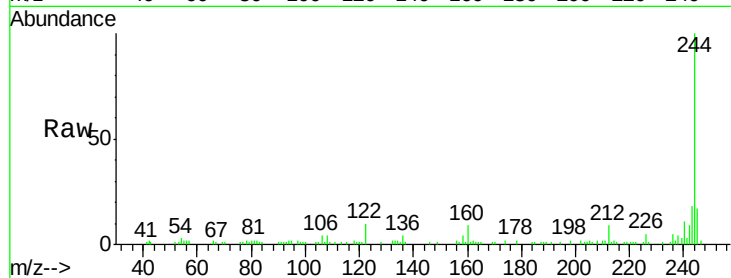




#78
 Terphenyl-d14
 Concen: 10.49 ng
 RT: 20.07 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: BF076827.D
 Acq: 13 Jan 2015 3:35

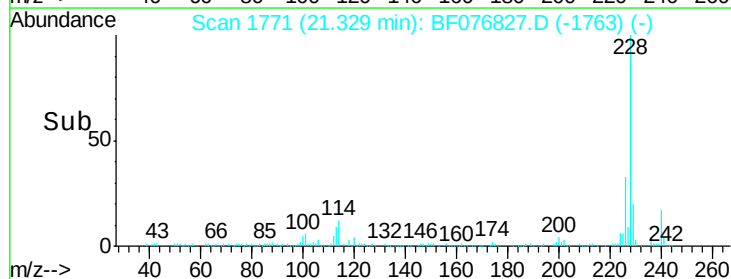
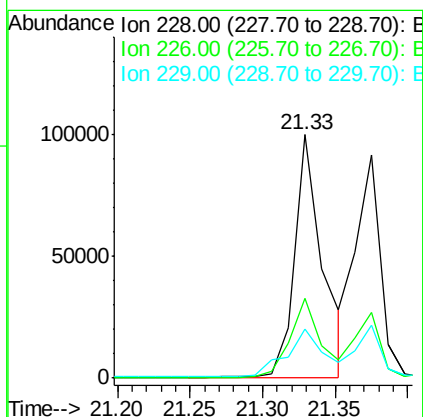
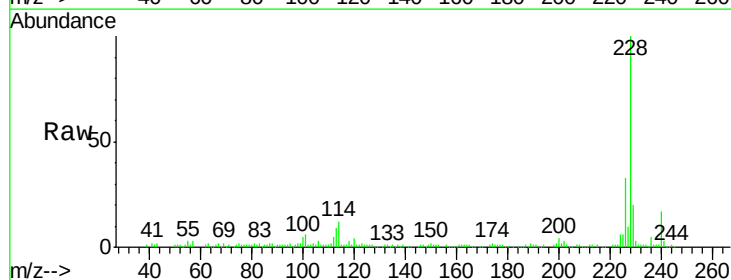
Instrument :
 BNA_F
 ClientSampleId :
 WASTE

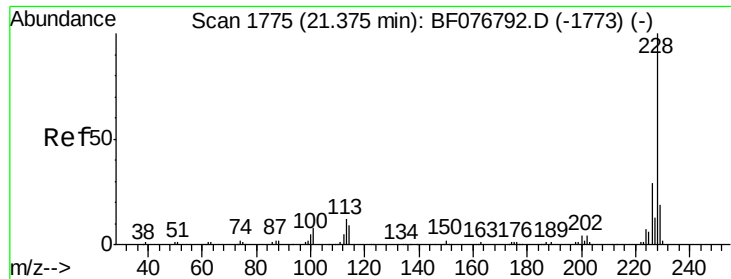
Tgt Ion:244 Resp: 48946
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.2 9.2
 122 10.4 11.3 16.9#



#80
 Benzo(a)anthracene
 Concen: 20.45 ng
 RT: 21.33 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF076827.D
 Acq: 13 Jan 2015 3:35

Tgt Ion:228 Resp: 133465
 Ion Ratio Lower Upper
 228 100
 226 32.6 21.4 32.0#
 229 20.4 15.0 22.4





#82

Chrysene

Concen: 22.31 ng

RT: 21.33 min Scan# 1771

Delta R.T. -0.05 min

Lab File: BF076827.D

Acq: 13 Jan 2015 3:35

Instrument :

BNA_F

ClientSampleId :

WASTE

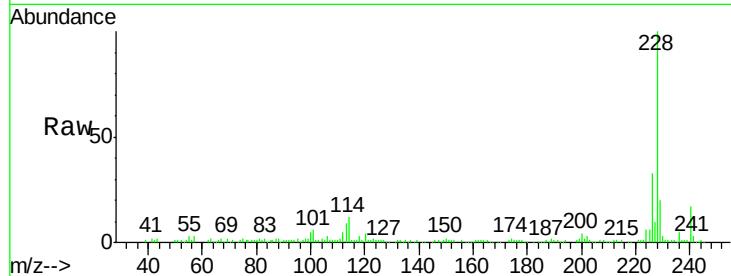
Tgt Ion: 228 Resp: 131726

Ion Ratio Lower Upper

228 100

226 32.6 23.3 34.9

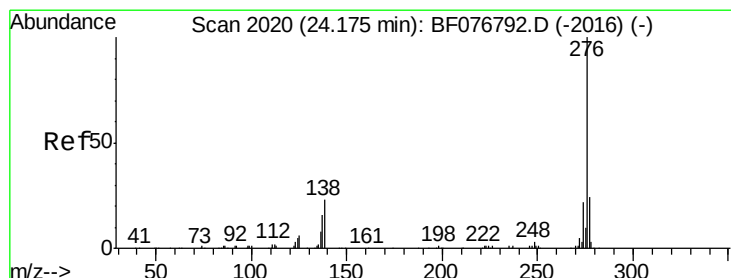
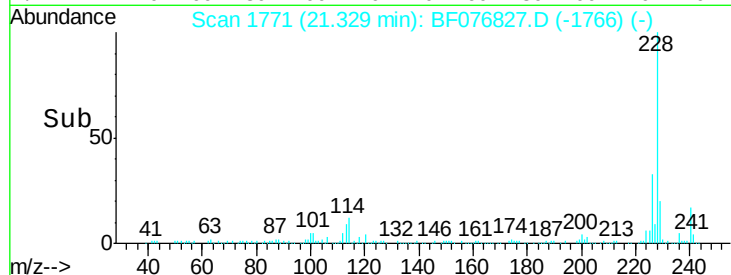
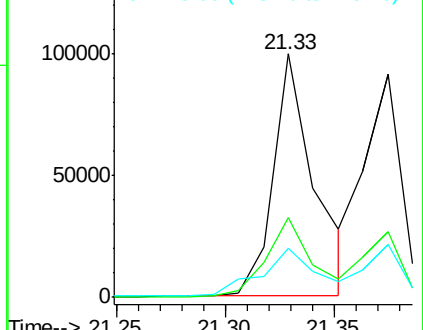
229 20.4 14.6 22.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 14.20 ng

RT: 24.12 min Scan# 2015

Delta R.T. -0.06 min

Lab File: BF076827.D

Acq: 13 Jan 2015 3:35

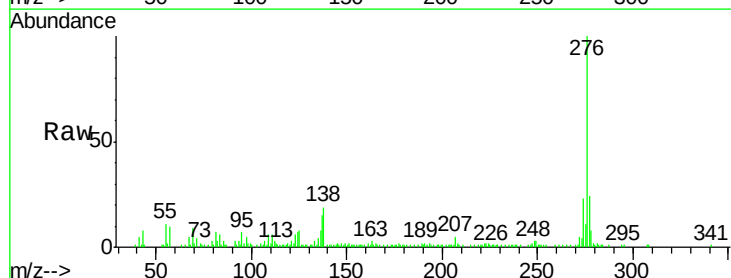
Tgt Ion: 276 Resp: 82990

Ion Ratio Lower Upper

276 100

138 25.5 0.0 0.0#

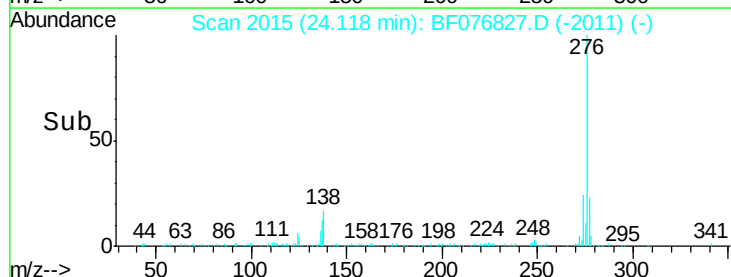
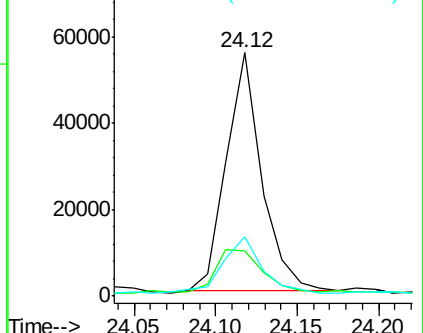
277 25.1 0.0 0.0#

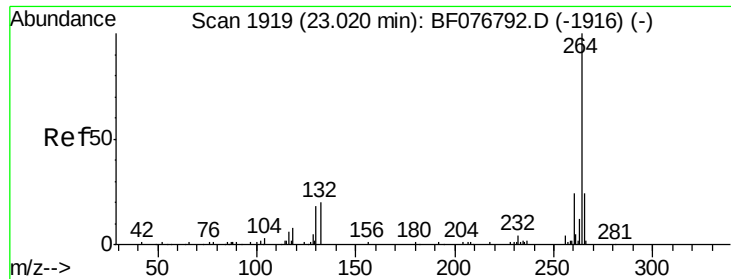


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

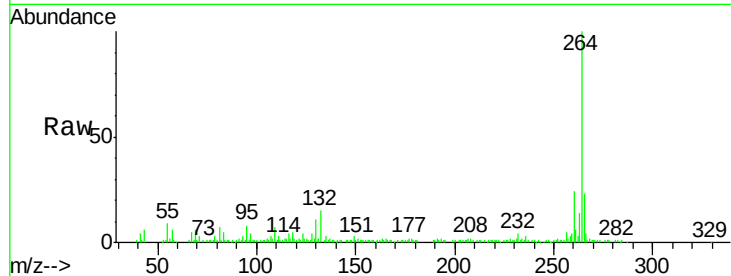




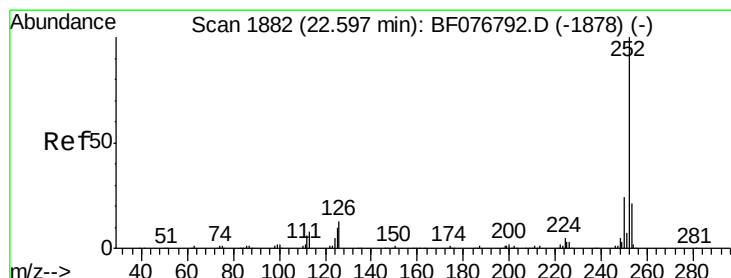
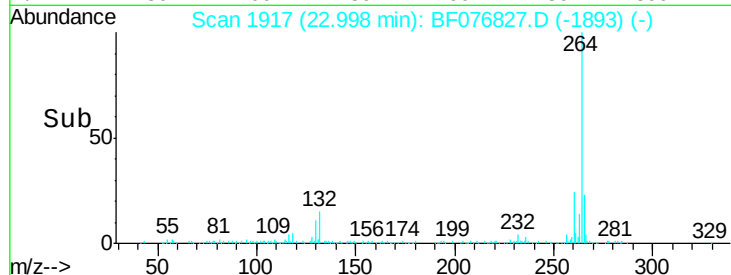
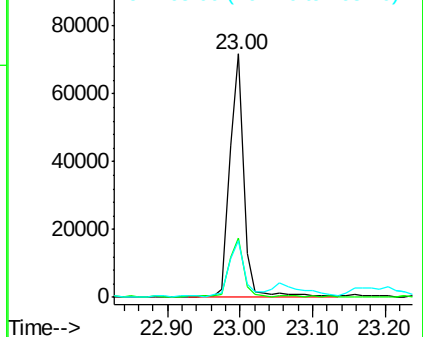
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.00 min Scan# 1917
Delta R.T. -0.02 min
Lab File: BF076827.D
Acq: 13 Jan 2015 3:35

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:264 Resp: 97259
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 23.1 18.9 28.3

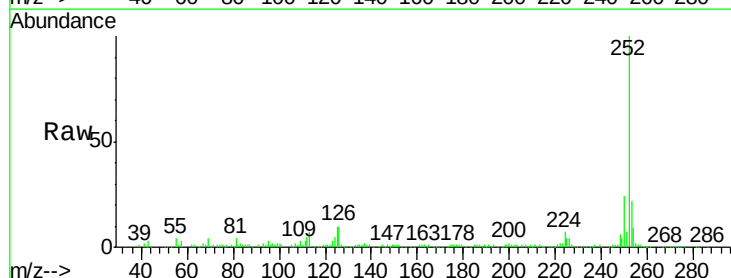


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

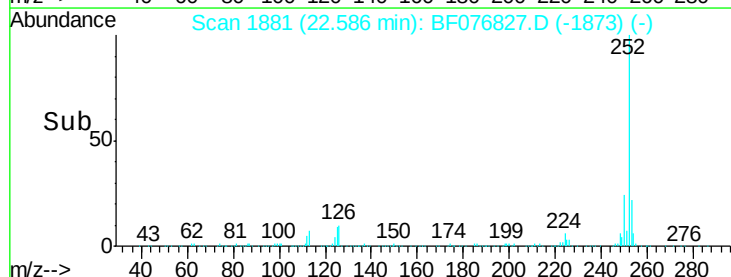
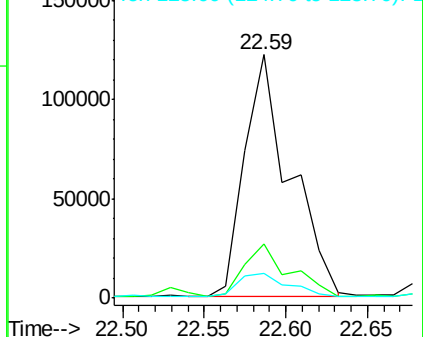


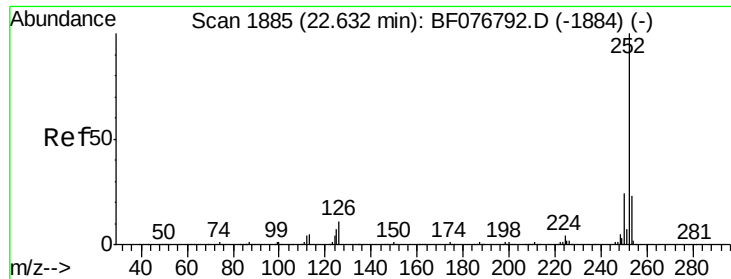
#87
Benzo(b)fluoranthene
Concen: 35.04 ng
RT: 22.59 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BF076827.D
Acq: 13 Jan 2015 3:35

Tgt Ion:252 Resp: 236060
Ion Ratio Lower Upper
252 100
253 22.0 16.6 25.0
125 10.0 8.1 12.1



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

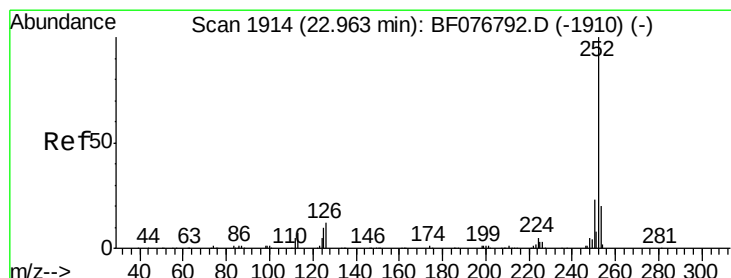
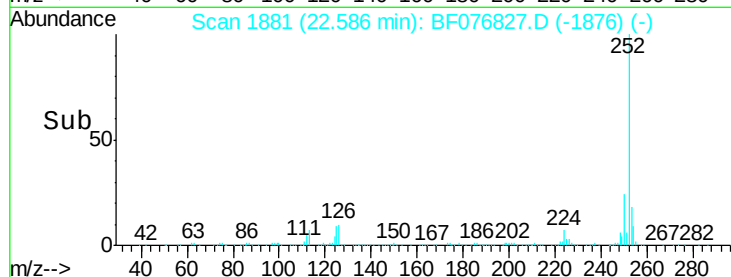
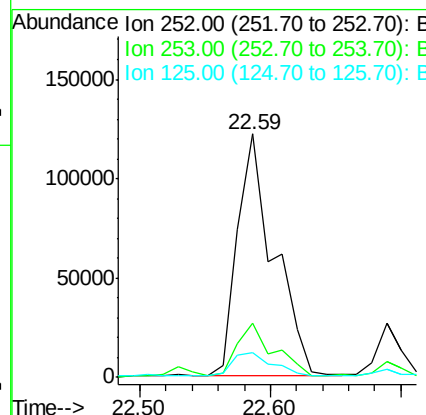
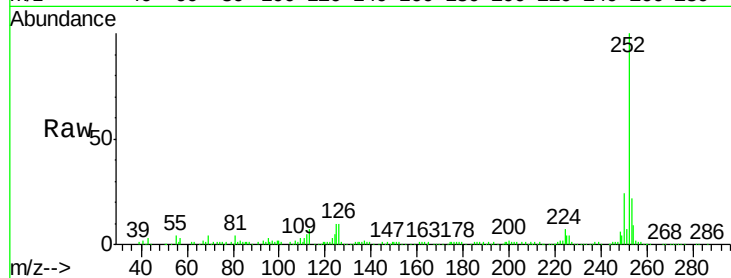




#88
Benzo(k)fluoranthene
Concen: 40.21 ng
RT: 22.59 min Scan# 1881
Delta R.T. -0.05 min
Lab File: BF076827.D
Acq: 13 Jan 2015 3:35

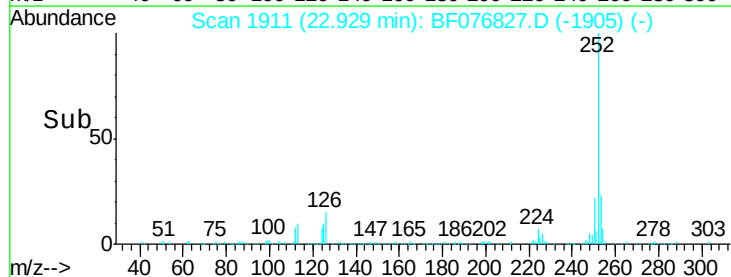
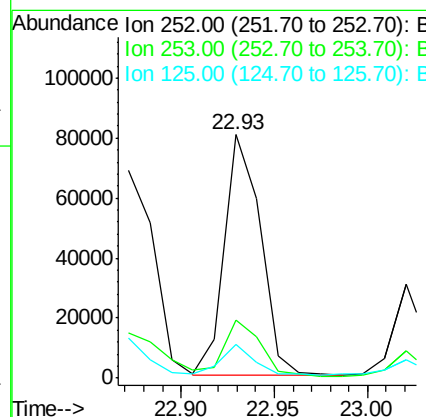
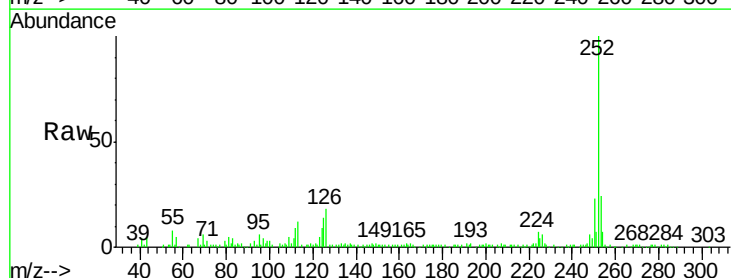
Instrument :
BNA_F
ClientSampleId :
WASTE

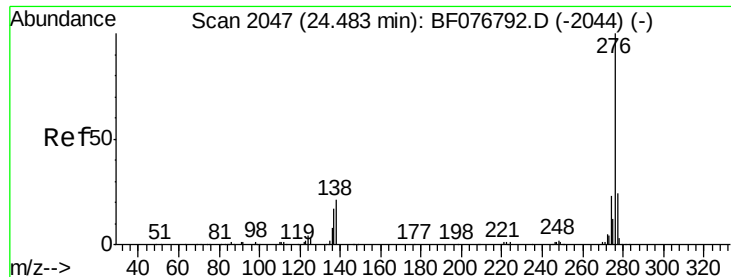
Tgt Ion: 252 Resp: 236805
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 10.0 7.5 11.3



#89
Benzo(a)pyrene
Concen: 18.69 ng
RT: 22.93 min Scan# 1911
Delta R.T. -0.03 min
Lab File: BF076827.D
Acq: 13 Jan 2015 3:35

Tgt Ion: 252 Resp: 108195
Ion Ratio Lower Upper
252 100
253 23.9 16.2 24.4
125 13.8 7.8 11.6#





#91

Benzo(g,h,i)perylene

Concen: 15.49 ng

RT: 24.41 min Scan# 2041

Delta R.T. -0.07 min

Lab File: BF076827.D

Acq: 13 Jan 2015 3:35

Instrument :

BNA_F

ClientSampleId :

WASTE

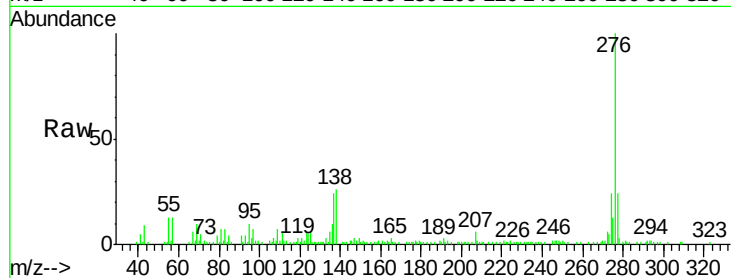
Tgt Ion:276 Resp: 83390

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

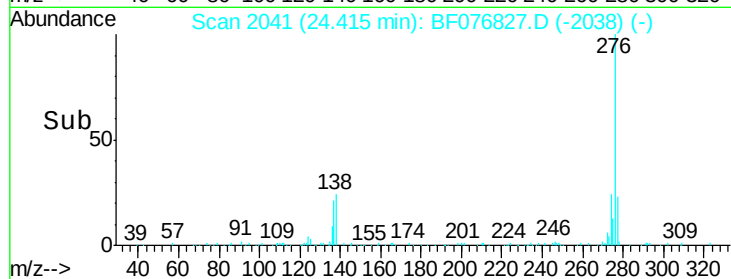
138 25.5 16.7 25.1#



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



Time-->

