

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
 Data File : BF076881.D
 Acq On : 15 Jan 2015 13:21
 Operator : IZ / TP
 Sample : G1030-14DL 10X
 Misc : S
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-2(4-6)DL

Quant Time: Jan 16 00:23:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 14 23:27:58 2015
 Response via : Initial Calibration

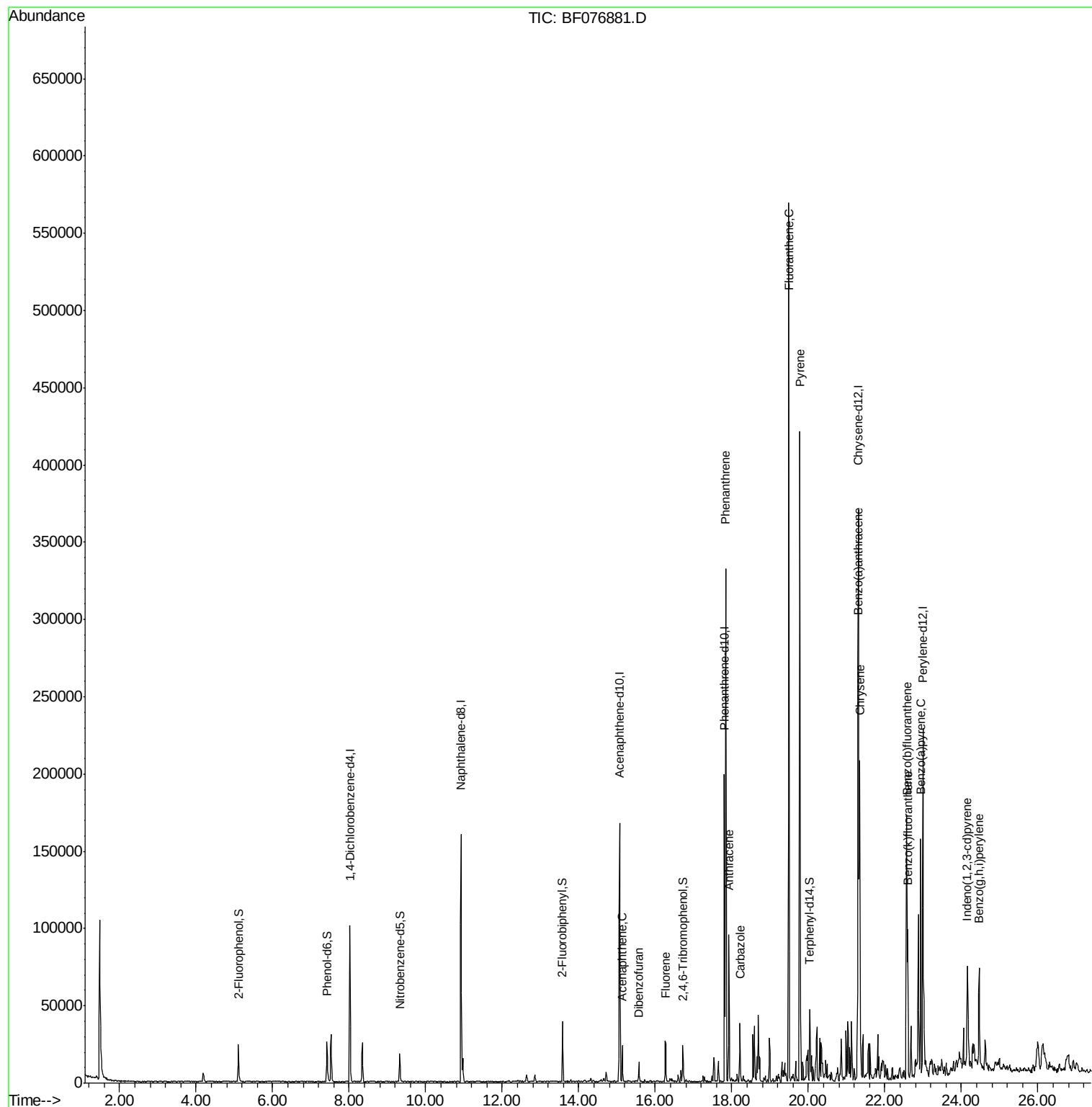
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	29324	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	119640	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	62731	20.00	ng	-0.01
63) Phenanthrene-d10	17.81	188	109812	20.00	ng	-0.01
75) Chrysene-d12	21.31	240	109345	20.00	ng	0.00
86) Perylene-d12	23.00	264	103244	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	15320	8.59	ng	0.01
7) Phenol-d6	7.42	99	19233	8.55	ng	0.00
23) Nitrobenzene-d5	9.32	82	11479	5.32	ng	0.00
41) 2,4,6-Tribromophenol	16.72	330	4155	8.16	ng	0.00
44) 2-Fluorobiphenyl	13.58	172	24246	5.88	ng	-0.01
78) Terphenyl-d14	20.04	244	23604	4.97	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	15.13	154	10806	2.95	ng	92
54) Dibenzofuran	15.57	168	11201	2.10	ng	95
57) Fluorene	16.28	166	14263	3.16	ng	# 96
70) Phenanthrene	17.84	178	189218	27.63	ng	98
71) Anthracene	17.92	178	48331	7.24	ng	99
72) Carbazole	18.21	167	22070	3.41	ng	94
74) Fluoranthene	19.49	202	257620	36.71	ng	98
77) Pyrene	19.77	202	209751	27.99	ng	# 94
80) Benzo(a)anthracene	21.29	228	111063	16.19	ng	98
82) Chrysene	21.34	228	85407m	13.65	ng	
85) Indeno(1,2,3-cd)pyrene	24.15	276	47526	7.17	ng	# 84
87) Benzo(b)fluoranthene	22.57	252	110728m	15.92	ng	
88) Benzo(k)fluoranthene	22.60	252	36802m	6.06	ng	
89) Benzo(a)pyrene	22.93	252	77354	12.61	ng	# 96
91) Benzo(a,h,i)perylene	24.46	276	45365	8.11	ng	97

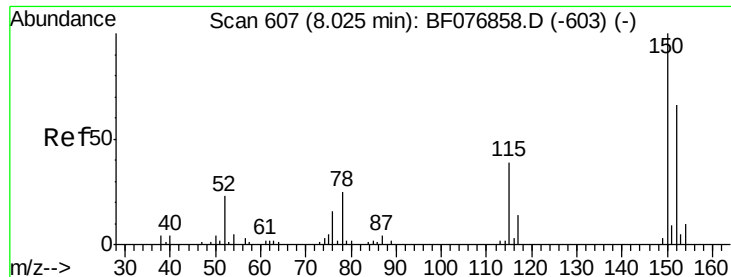
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.02 min Scan# 607

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

Instrument :

BNA_F

ClientSampleId :

TP5-SS-2(4-6)DL

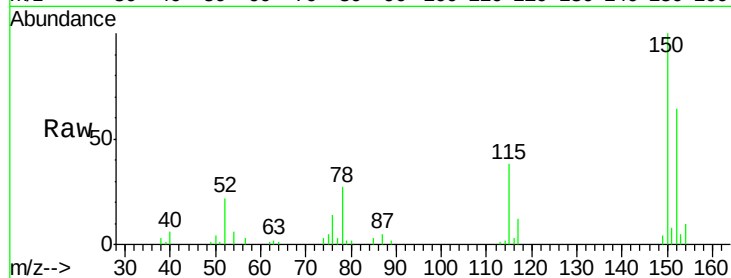
Tot Ion:152 Resp: 29324

Ion Ratio Lower Upper

152 100

150 156.4 121.7 182.5

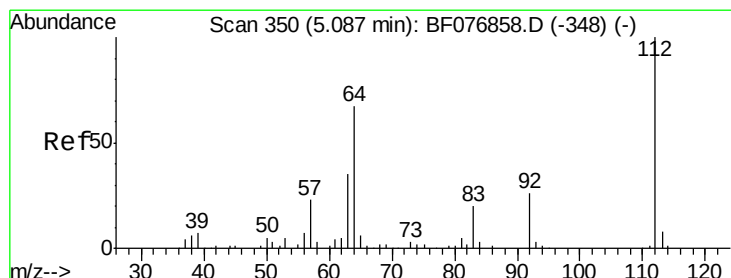
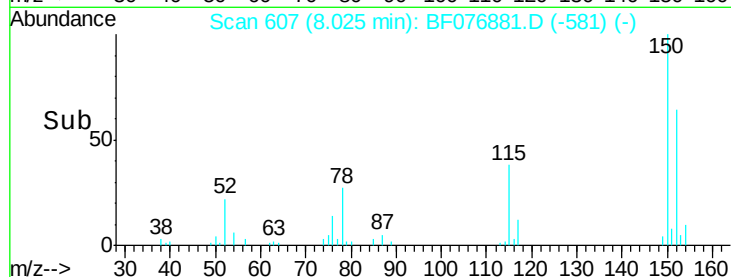
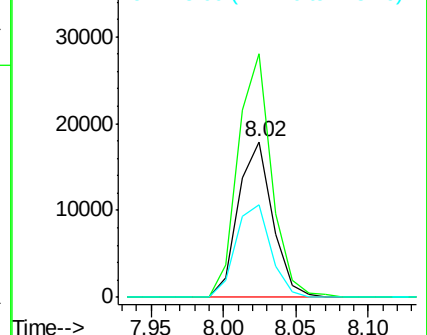
115 59.3 47.0 70.6



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: 8.59 ng

RT: 5.10 min Scan# 351

Delta R.T. 0.01 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

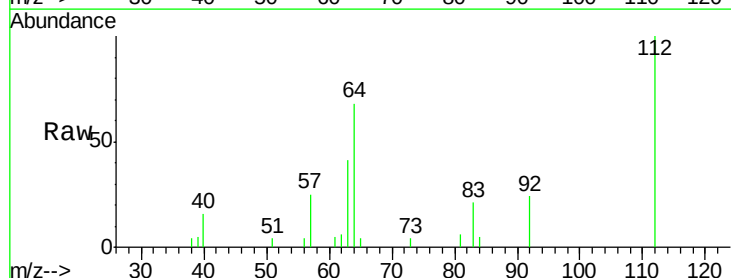
Tgt Ion:112 Resp: 15320

Ion Ratio Lower Upper

112 100

64 67.8 54.2 81.4

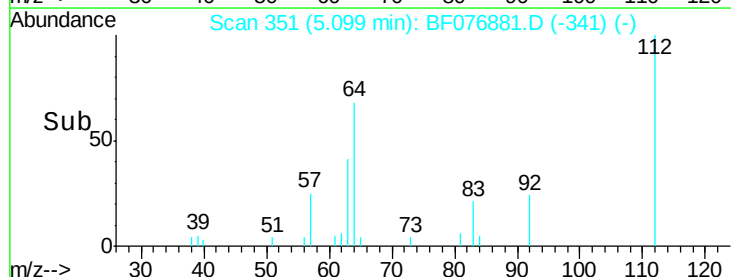
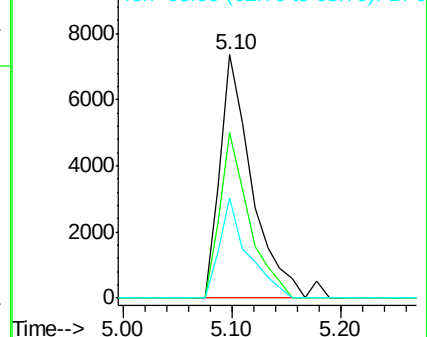
63 40.9 28.4 42.6

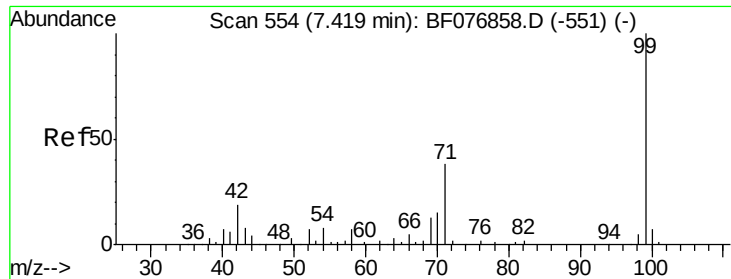


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.55 ng

RT: 7.42 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

Instrument :

BNA_F

ClientSampleId :

TP5-SS-2(4-6)DL

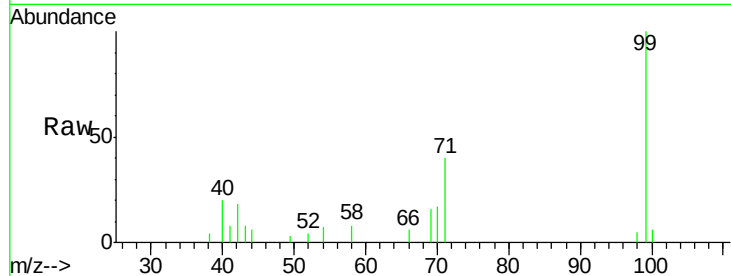
Tot Ion: 99 Resp: 19233

Ion Ratio Lower Upper

99 100

42 17.6 15.0 22.4

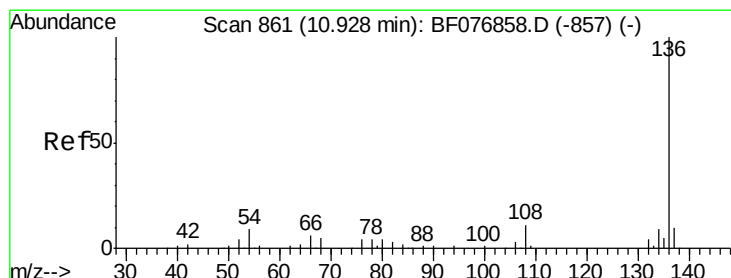
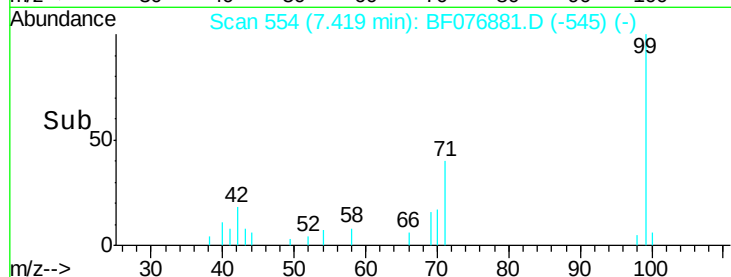
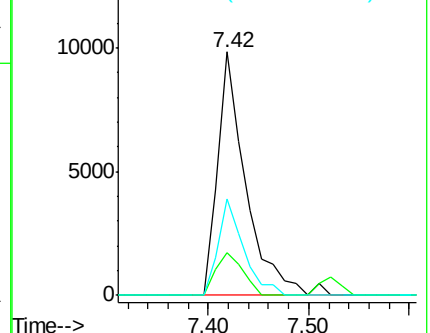
71 39.6 30.5 45.7



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: 10.93 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

Tgt Ion: 136 Resp: 119640

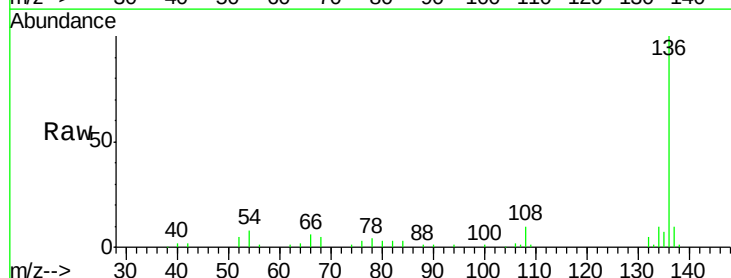
Ion Ratio Lower Upper

136 100

137 9.9 8.1 12.1

54 8.0 7.0 10.4

68 4.6 3.7 5.5

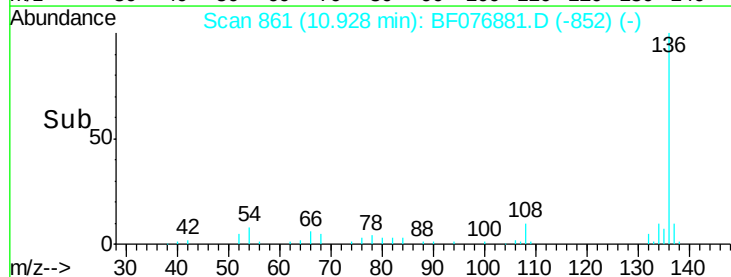
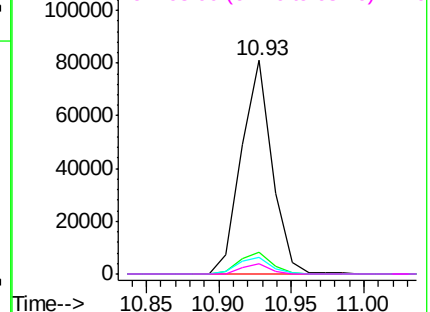


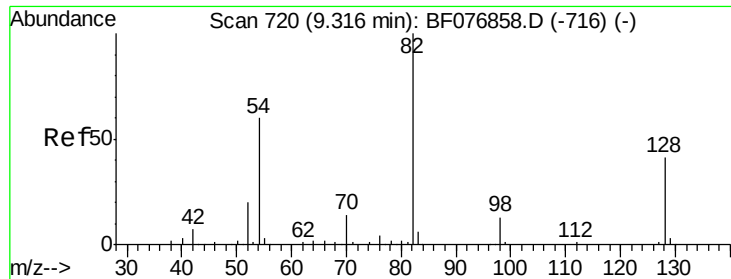
Abundance Ion 136.00 (135.70 to 136.70): E

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

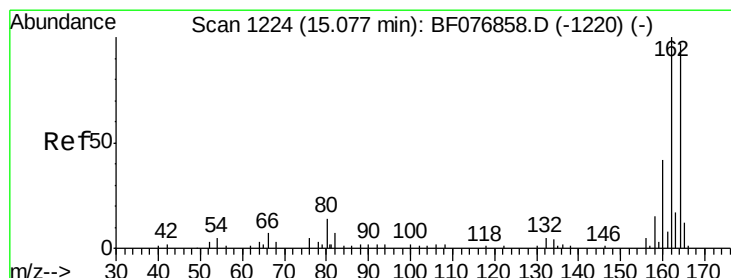
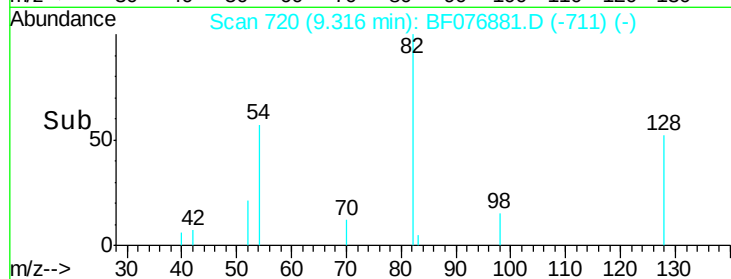
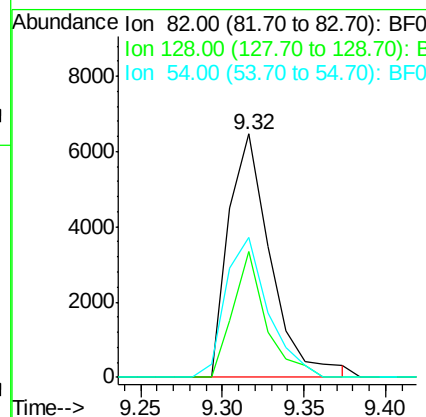
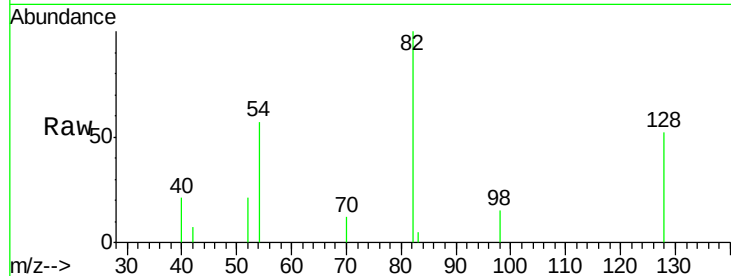




#23
 Nitrobenzene-d5
 Concen: 5.32 ng
 RT: 9.32 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF076881.D
 Acq: 15 Jan 2015 13:21

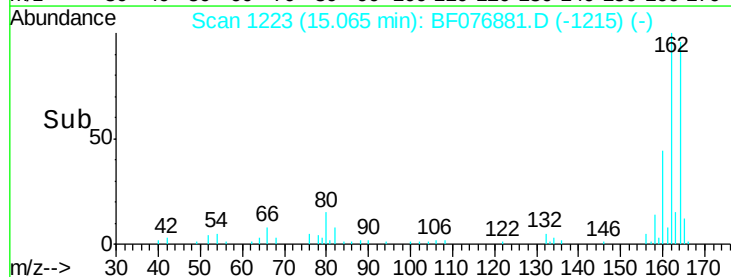
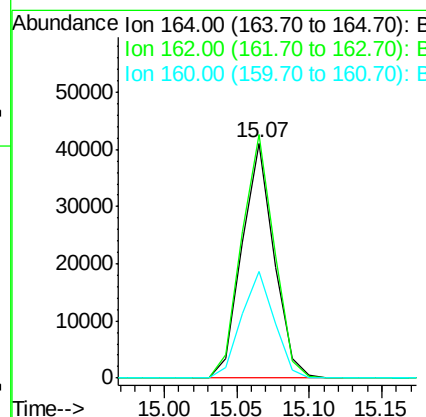
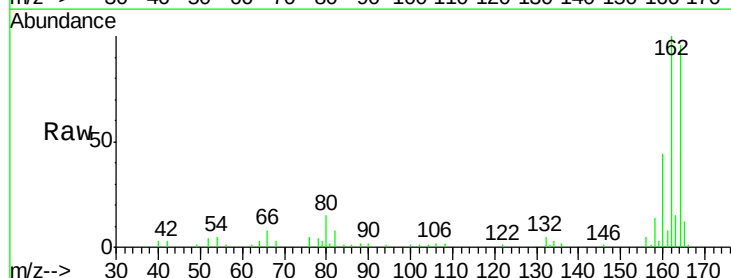
Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-2(4-6)DL

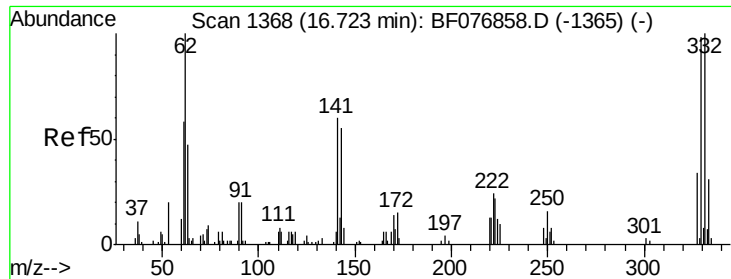
Tot Ion: 82 Resp: 11479
 Ion Ratio Lower Upper
 82 100
 128 52.0 33.1 49.7#
 54 57.4 48.3 72.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF076881.D
 Acq: 15 Jan 2015 13:21

Tgt Ion:164 Resp: 62731
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.4 123.6
 160 45.5 34.8 52.2

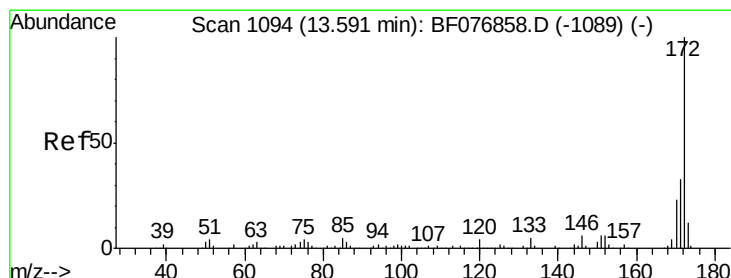
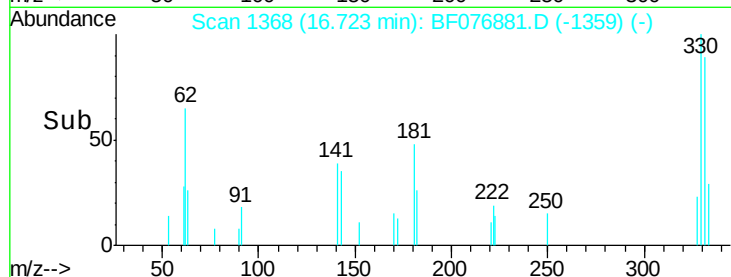
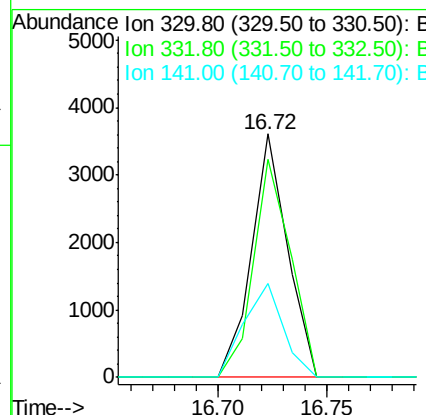
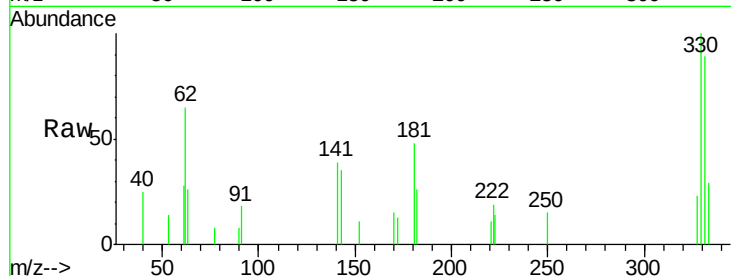




#41
 2,4,6-Tribromophenol
 Concen: 8.16 ng
 RT: 16.72 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BF076881.D
 Acq: 15 Jan 2015 13:21

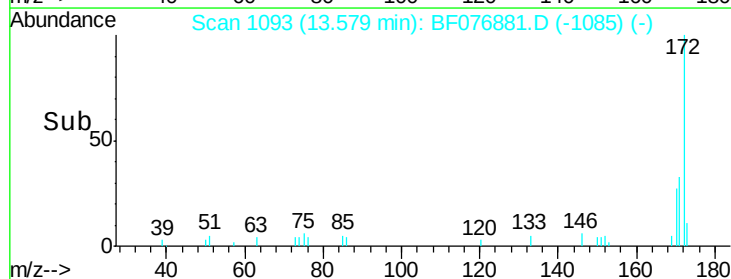
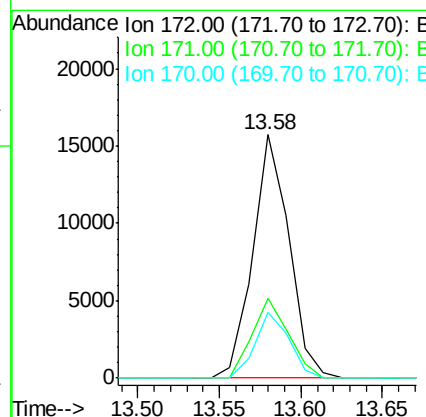
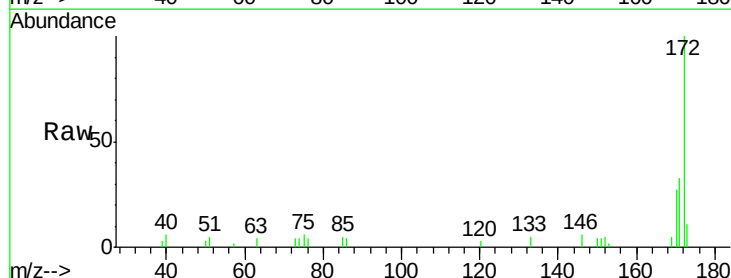
Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-2(4-6)DL

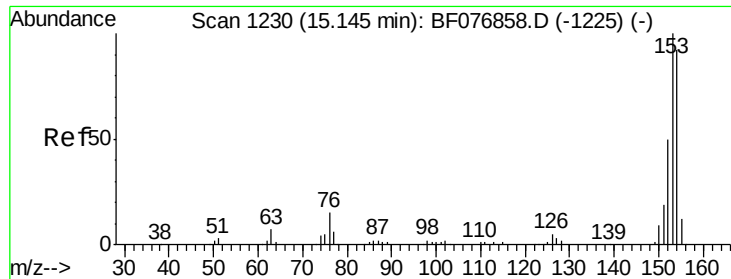
Tot Ion	Ratio	Lower	Upper
330	100		
332	91.6	77.8	116.6
141	42.1	38.5	57.7



#44
 2-Fluorobiphenyl
 Concen: 5.88 ng
 RT: 13.58 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: BF076881.D
 Acq: 15 Jan 2015 13:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.9	26.6	40.0
170	26.7	18.0	27.0





#51

Acenaphthene

Concen: 2.95 ng

RT: 15.13 min Scan# 1229

Delta R.T. -0.01 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

Instrument :

BNA_F

ClientSampleId :

TP5-SS-2(4-6)DL

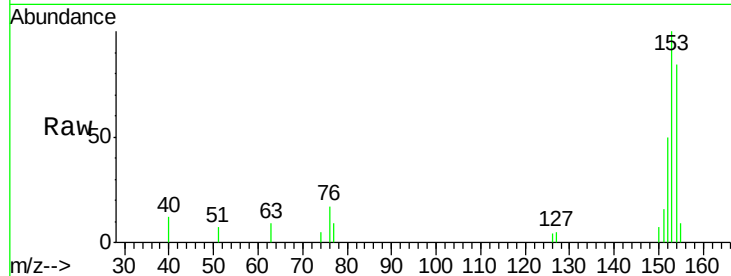
Tot Ion:154 Resp: 10806

Ion Ratio Lower Upper

154 100

153 118.7 87.0 130.6

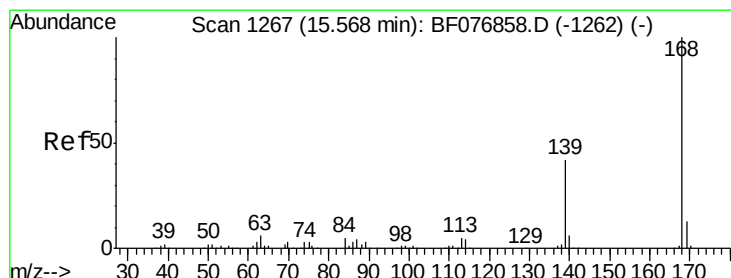
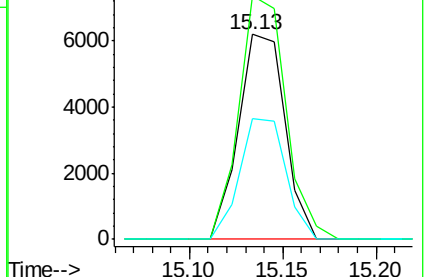
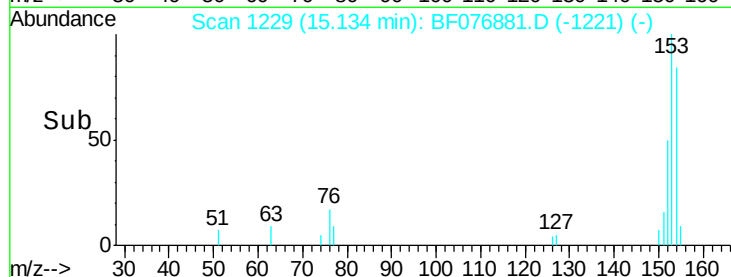
152 59.0 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.10 ng

RT: 15.57 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

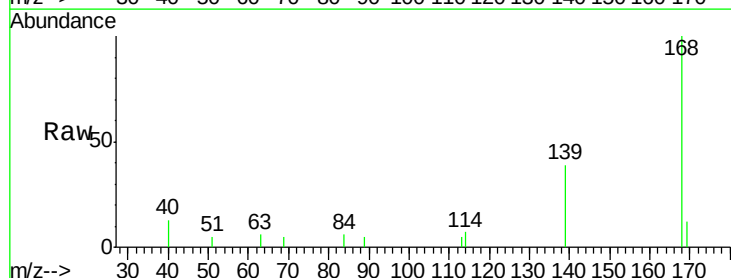
Tgt Ion:168 Resp: 11201

Ion Ratio Lower Upper

168 100

139 38.6 33.4 50.2

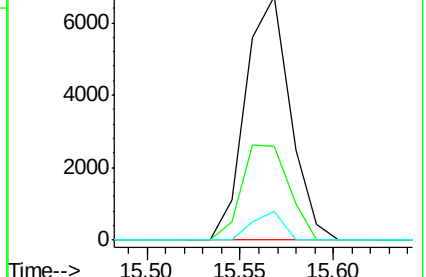
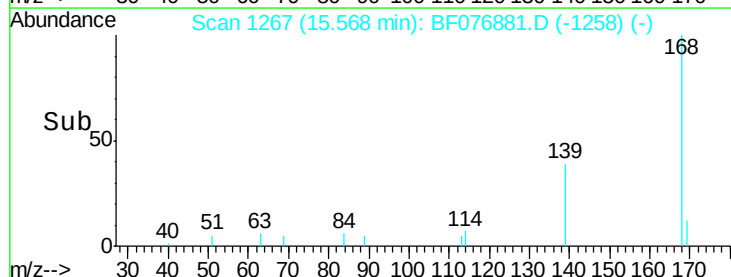
169 11.7 10.6 15.8

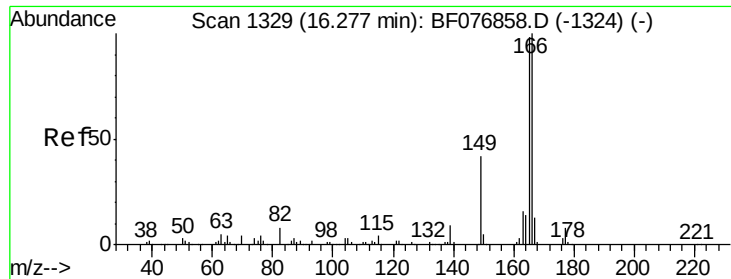


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

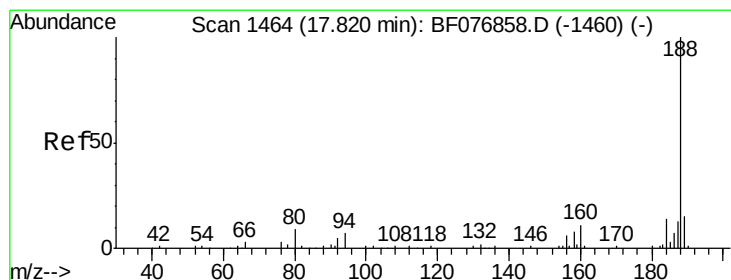
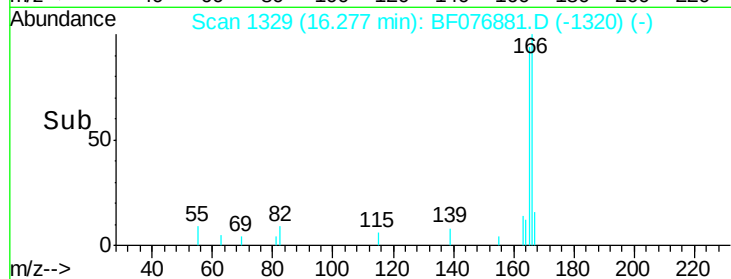
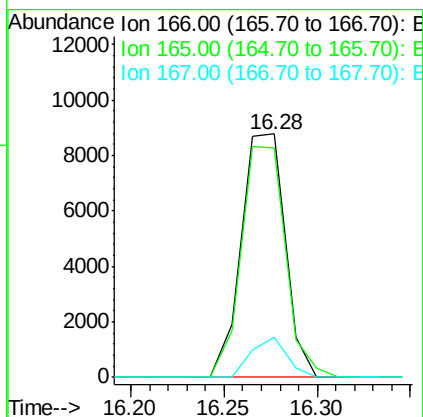
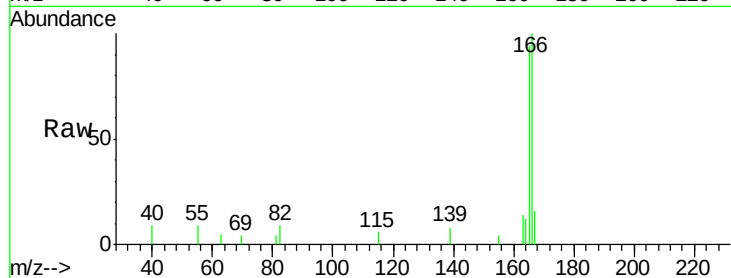




#57
Fluorene
 Concen: 3.16 ng
 RT: 16.28 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: BF076881.D
 Acq: 15 Jan 2015 13:21

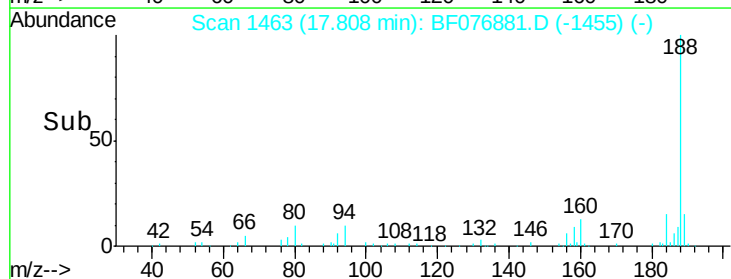
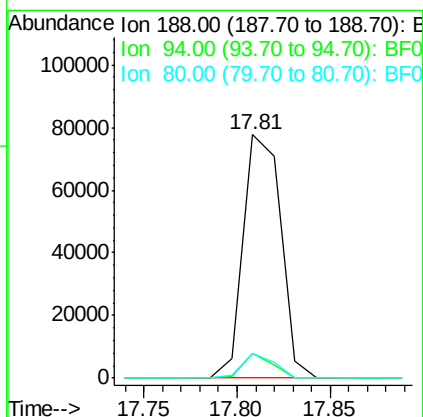
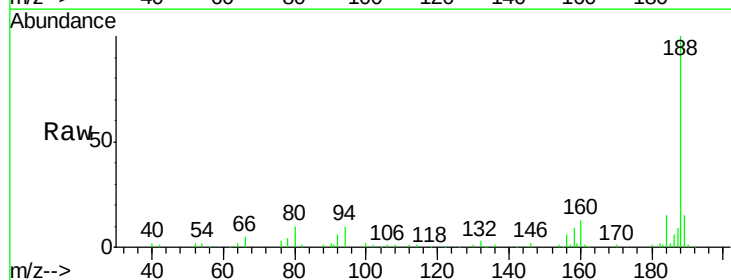
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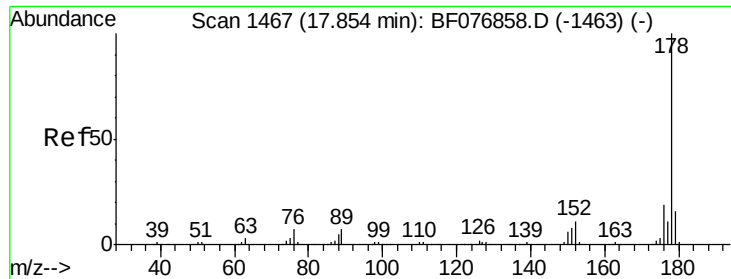
Tot Ion:166 Resp: 14263
 Ion Ratio Lower Upper
 166 100
 165 94.3 78.5 117.7
 167 16.3 10.4 15.6#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.81 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF076881.D
 Acq: 15 Jan 2015 13:21

Tgt Ion:188 Resp: 109812
 Ion Ratio Lower Upper
 188 100
 94 10.1 6.0 9.0#
 80 10.3 6.9 10.3

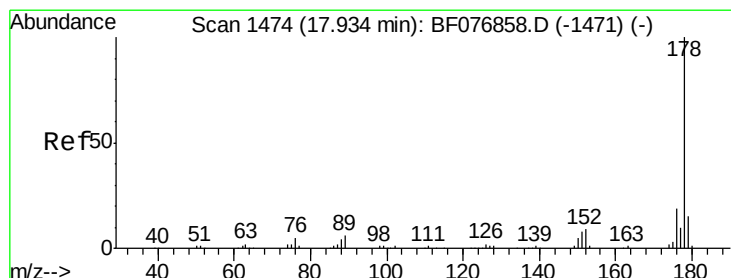
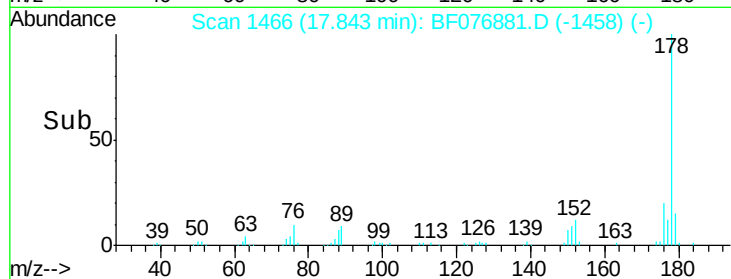
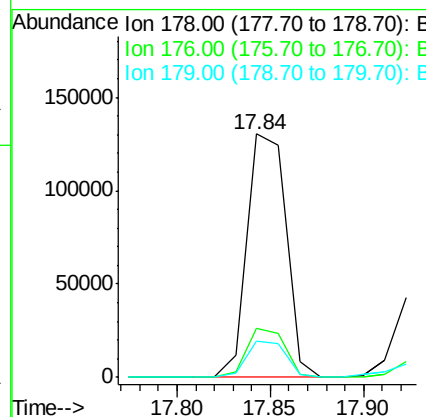
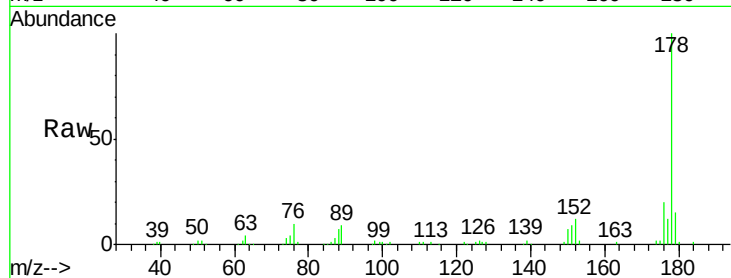




#70
Phenanthrene
Concen: 27.63 ng
RT: 17.84 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF076881.D
Acq: 15 Jan 2015 13:21

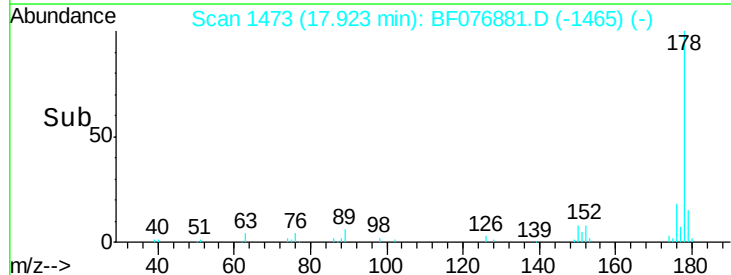
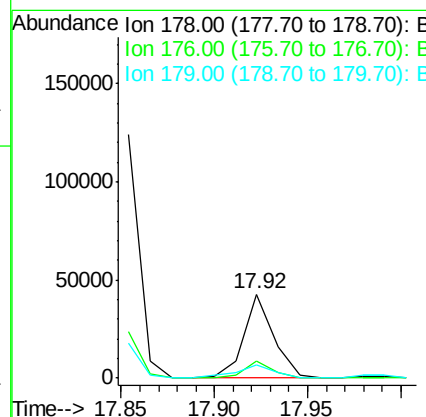
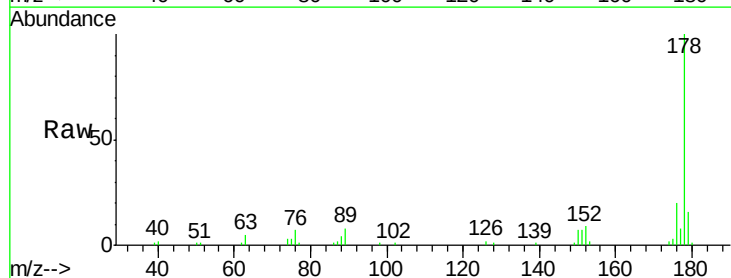
Instrument :
BNA_F
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TP5-SS-2(4-6)DL

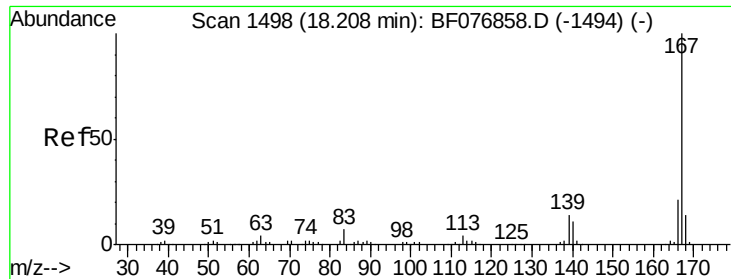
Tot Ion:178 Resp: 189218
Ion Ratio Lower Upper
178 100
176 20.1 15.1 22.7
179 15.1 12.7 19.1



#71
Anthracene
Concen: 7.24 ng
RT: 17.92 min Scan# 1473
Delta R.T. -0.01 min
Lab File: BF076881.D
Acq: 15 Jan 2015 13:21

Tgt Ion:178 Resp: 48331
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.8 11.9 17.9





#72

Carbazole

Concen: 3.41 ng

RT: 18.21 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

Instrument :

BNA_F

ClientSampleId :

TP5-SS-2(4-6)DL

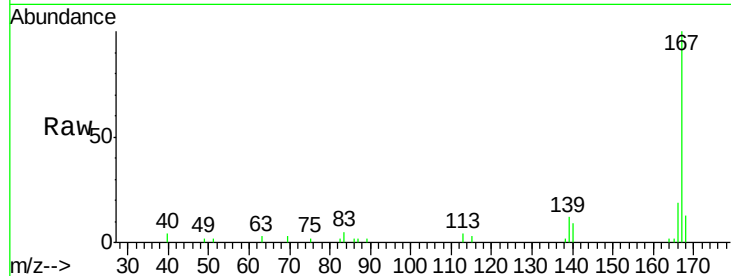
Tot Ion:167 Resp: 22070

Ion Ratio Lower Upper

167 100

166 18.7 17.0 25.6

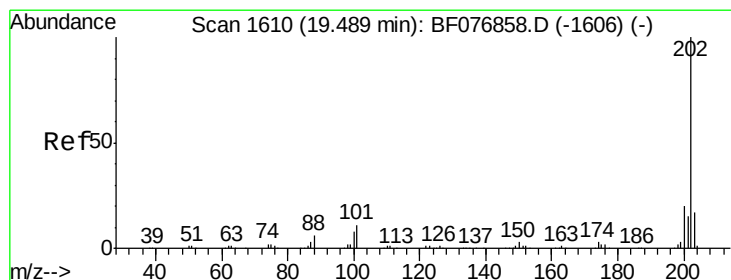
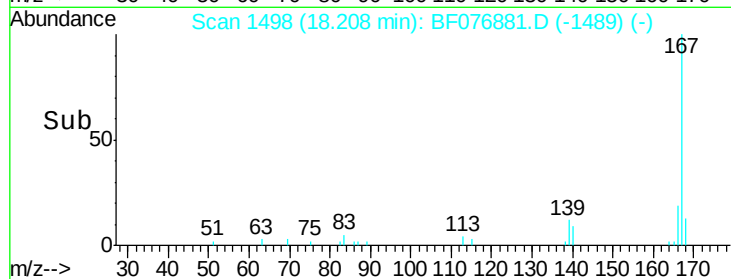
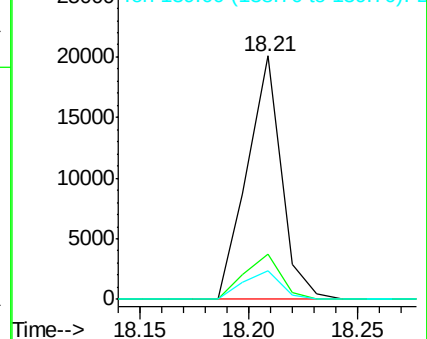
139 11.5 11.3 16.9



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: 36.71 ng

RT: 19.49 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

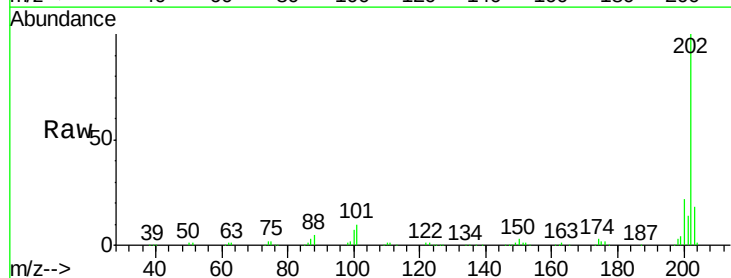
Tgt Ion:202 Resp: 257620

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.7

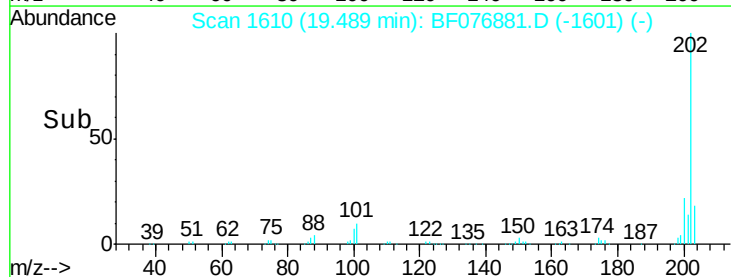
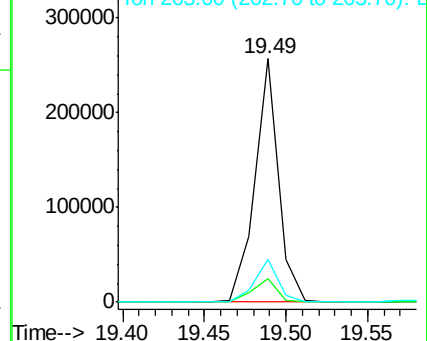
203 17.6 0.0 36.9

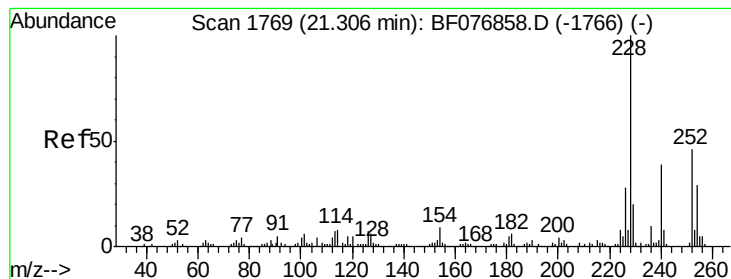


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.31 min Scan# 1769

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

Instrument :

BNA_F

ClientSampleId :

TP5-SS-2(4-6)DL

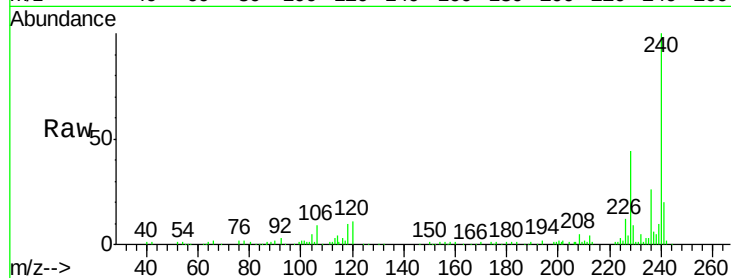
Tot Ion:240 Resp: 109345

Ion Ratio Lower Upper

240 100

120 10.9 10.4 15.6

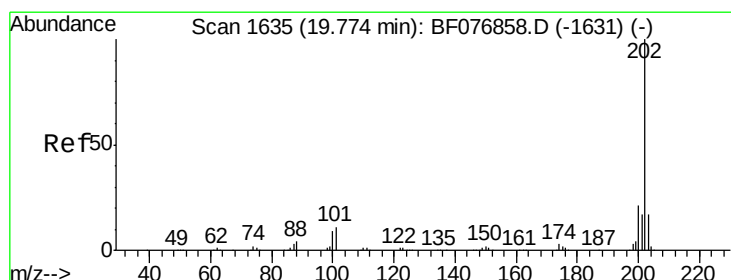
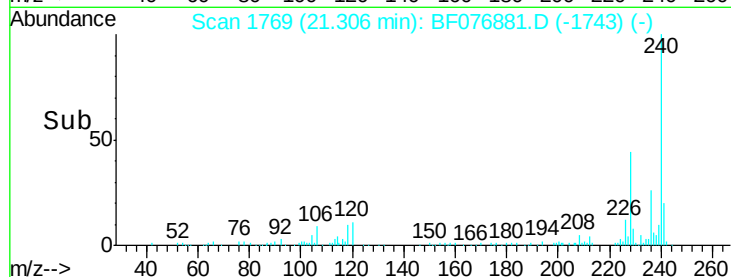
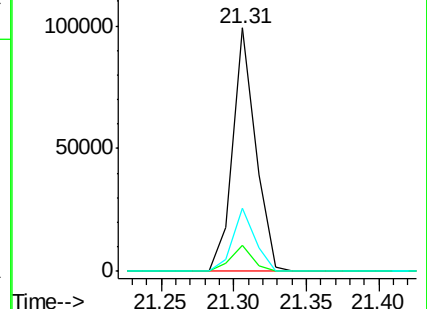
236 25.7 20.2 30.2



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: 27.99 ng

RT: 19.77 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

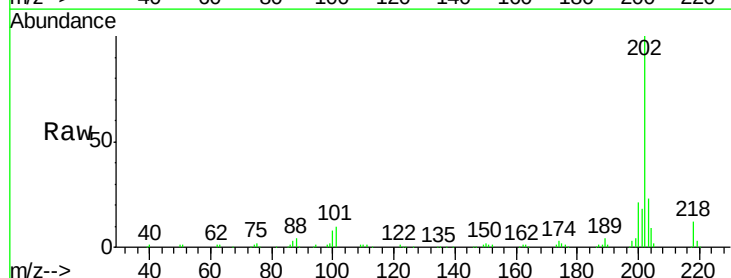
Tgt Ion:202 Resp: 209751

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

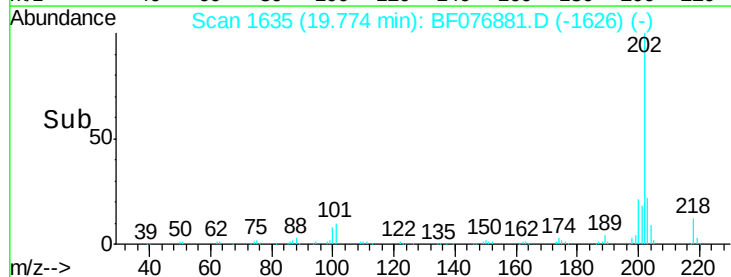
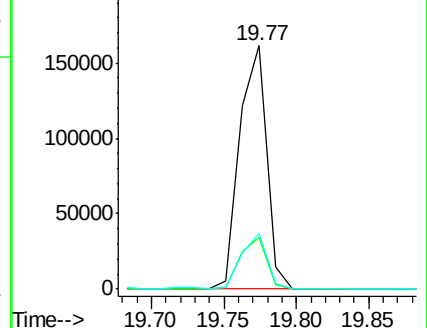
203 22.8 14.0 21.0#

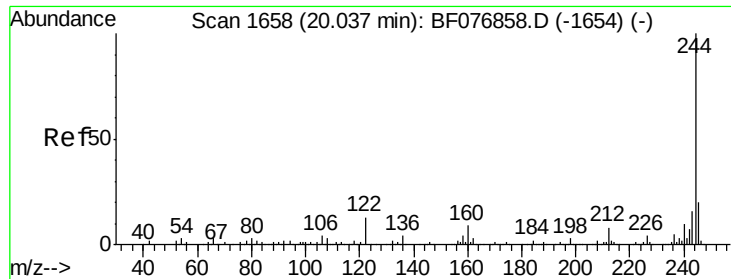


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.97 ng

RT: 20.04 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

Instrument :

BNA_F

ClientSampleId :

TP5-SS-2(4-6)DL

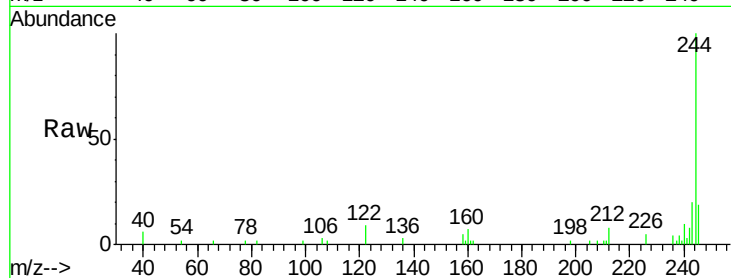
Tot Ion:244 Resp: 23604

Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

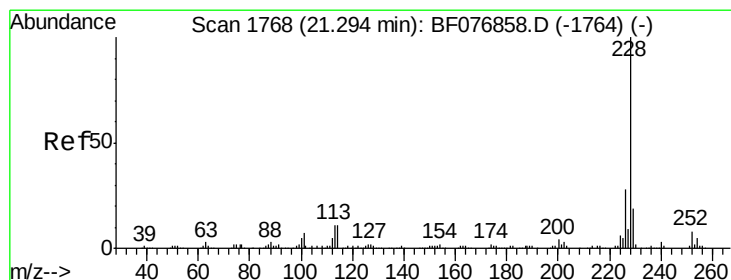
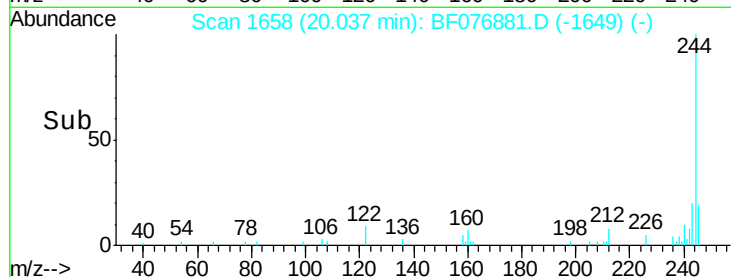
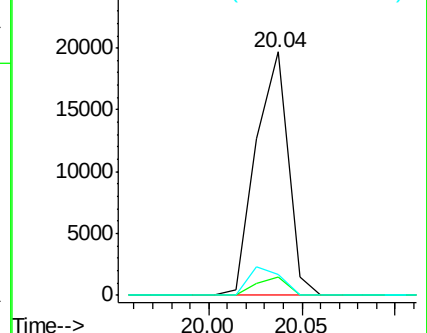
122 8.7 10.1 15.1#



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: 16.19 ng

RT: 21.29 min Scan# 1768

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

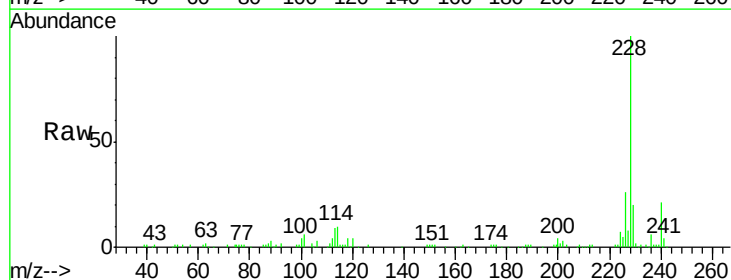
Tgt Ion:228 Resp: 111063

Ion Ratio Lower Upper

228 100

226 26.3 22.1 33.1

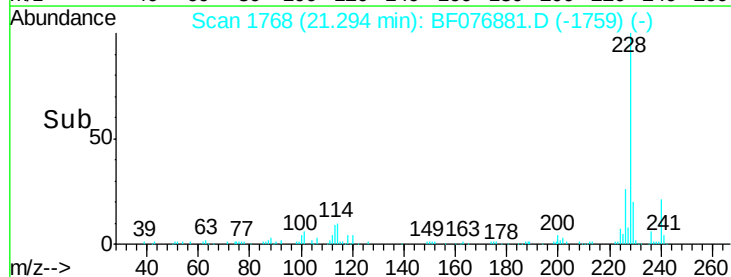
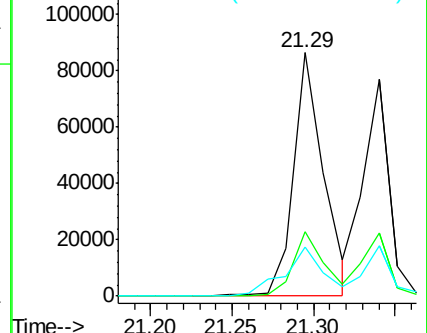
229 20.2 15.5 23.3

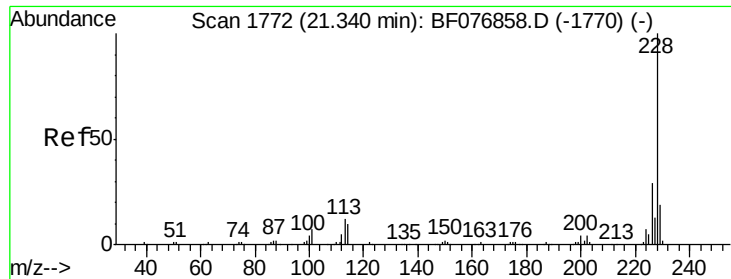


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.65 ng/mL

RT: 21.34 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

Instrument :

BNA_F

ClientSampleId :

TP5-SS-2(4-6)DL

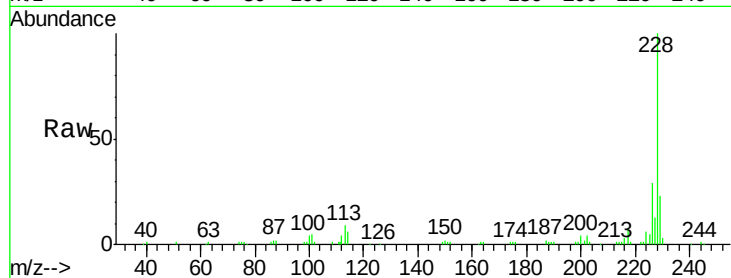
Tot Ion:228 Resp: 85407

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.0

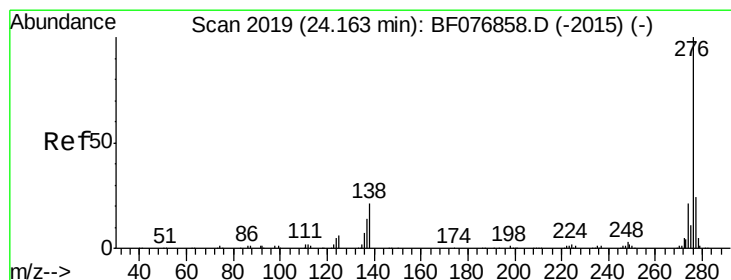
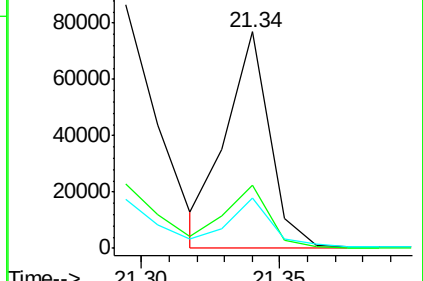
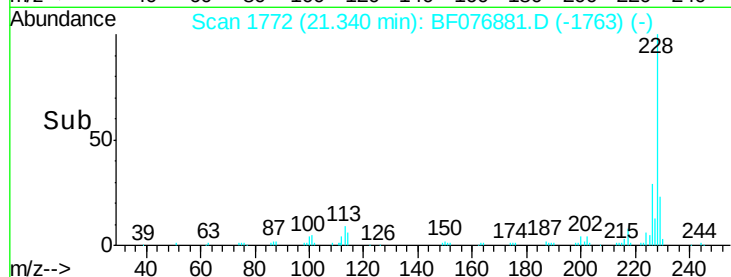
229 23.2 15.4 23.0#



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: 7.17 ng/mL

RT: 24.15 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

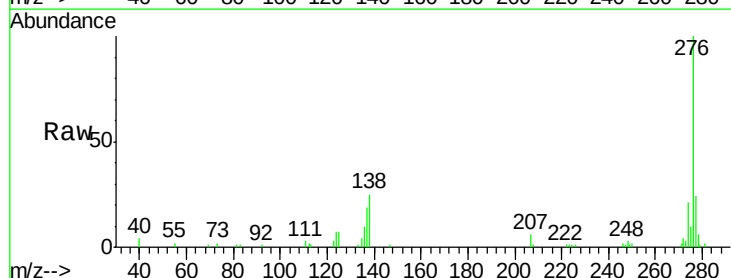
Tgt Ion:276 Resp: 47526

Ion Ratio Lower Upper

276 100

138 23.7 14.6 22.0#

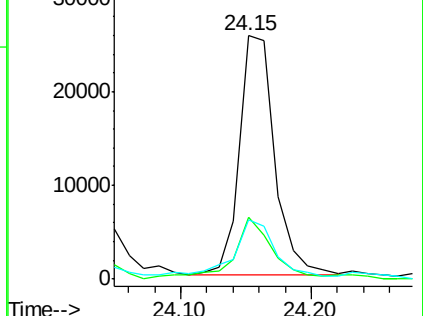
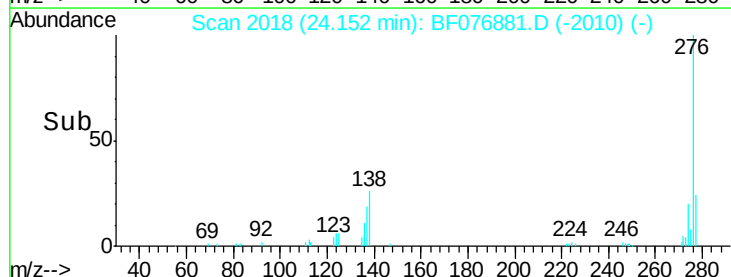
277 27.1 14.8 22.2#

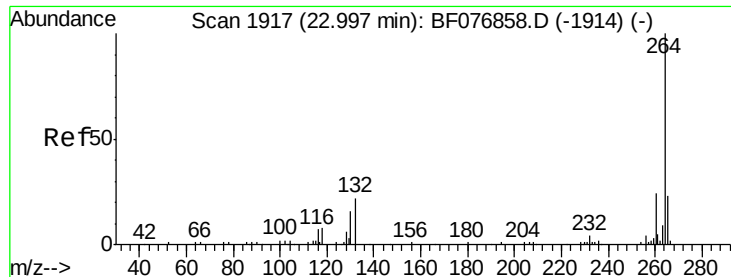


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



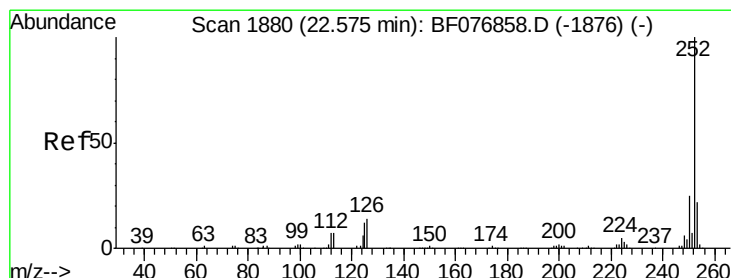
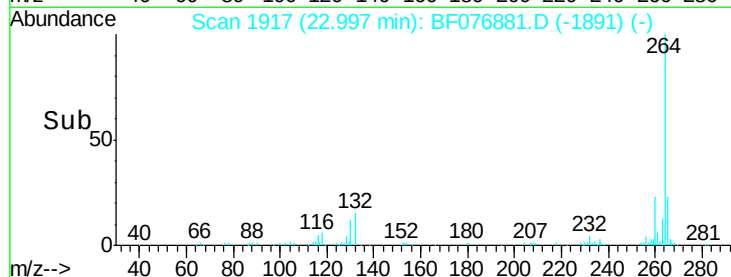
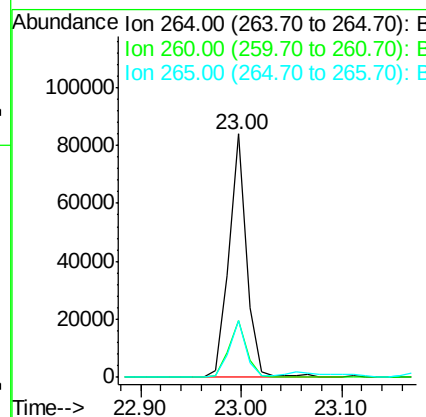
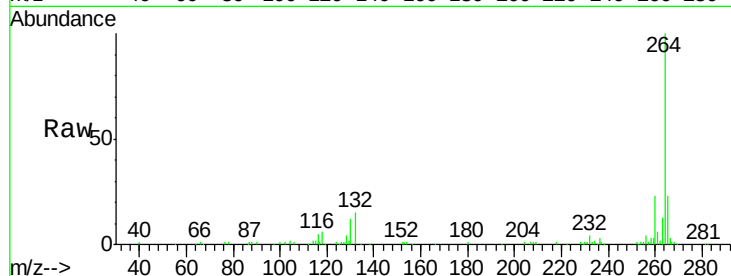


#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.00 min Scan# 1917
Delta R.T. 0.00 min
Lab File: BF076881.D
Acq: 15 Jan 2015 13:21

Instrument :
BNA_F
ClientSampleId :
TP5-SS-2(4-6)DL

Tot Ion:264 Resp: 103244

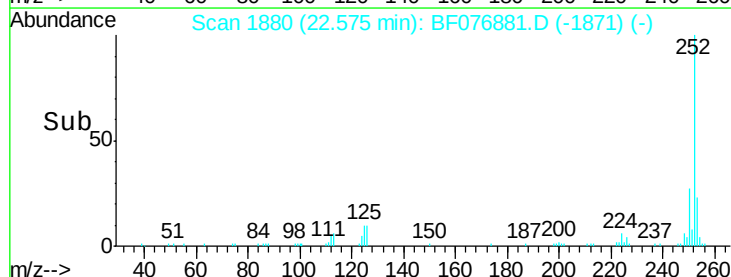
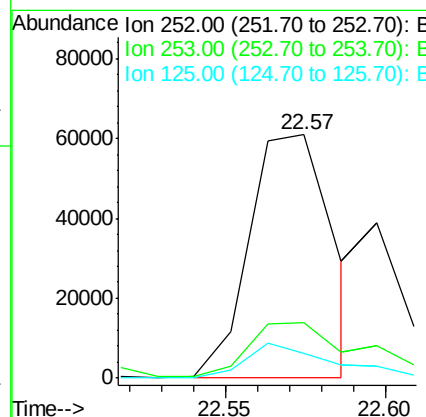
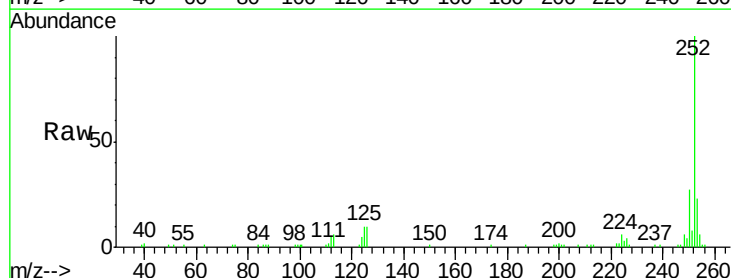
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	23.3	18.1	27.1

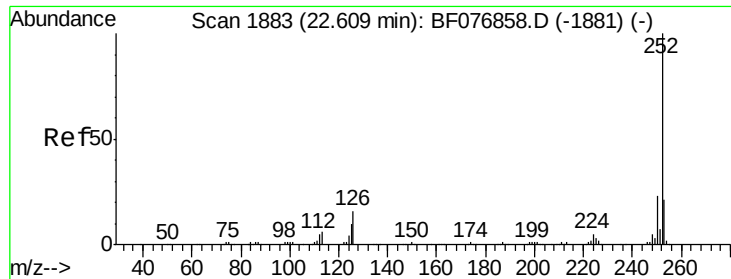


#87
Benzo(b)fluoranthene
Concen: 15.92 ng m
RT: 22.57 min Scan# 1880
Delta R.T. 0.00 min
Lab File: BF076881.D
Acq: 15 Jan 2015 13:21

Tgt Ion:252 Resp: 110728

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	10.0	9.4	14.0





#88

Benzo(k)fluoranthene

Concen: 6.06 ng

RT: 22.60 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

Instrument :

BNA_F

ClientSampleId :

TP5-SS-2(4-6)DL

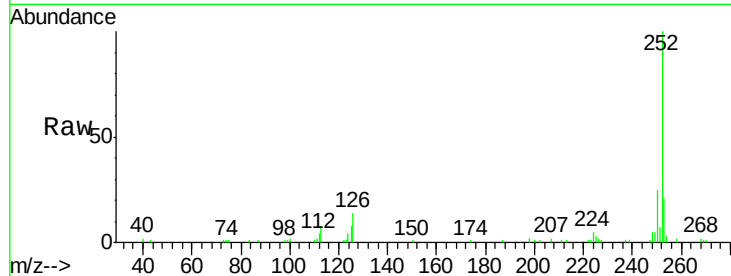
Tot Ion:252 Resp: 36802

Ion Ratio Lower Upper

252 100

253 21.0 17.2 25.8

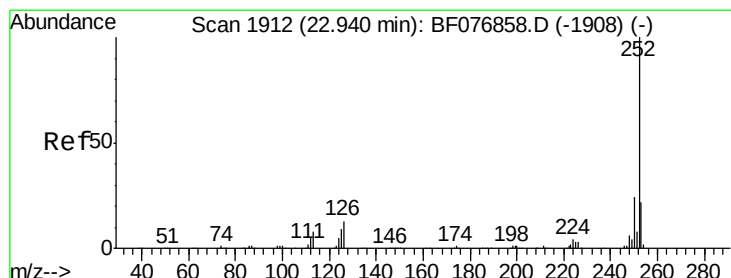
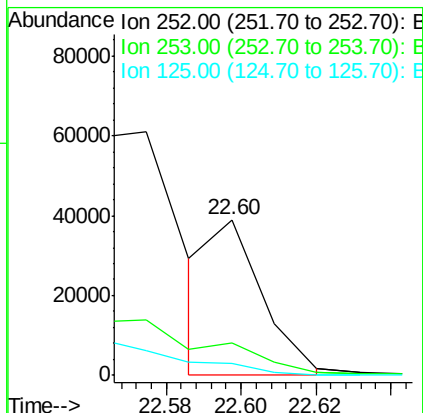
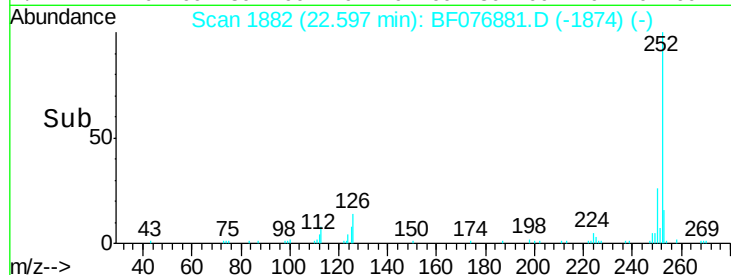
125 7.8 7.1 10.7



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: 12.61 ng

RT: 22.93 min Scan# 1911

Delta R.T. -0.01 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

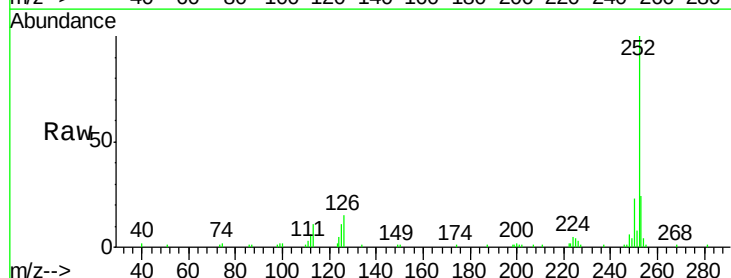
Tgt Ion:252 Resp: 77354

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

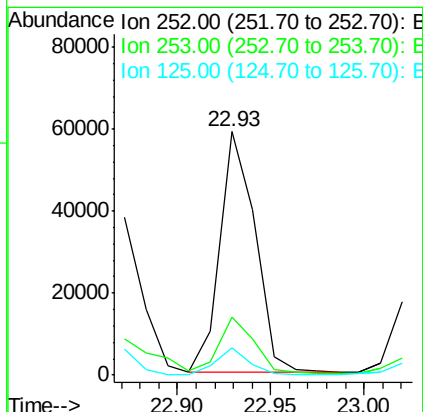
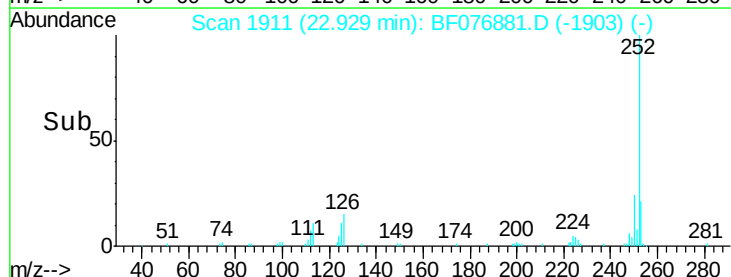
125 11.3 7.2 10.8#

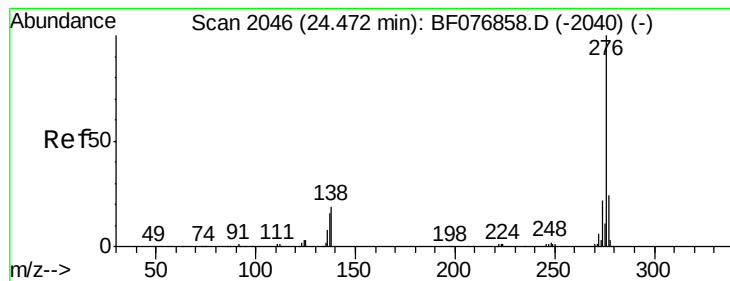


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.11 ng

RT: 24.46 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF076881.D

Acq: 15 Jan 2015 13:21

Instrument :

BNA_F

ClientSampleId :

TP5-SS-2(4-6)DL

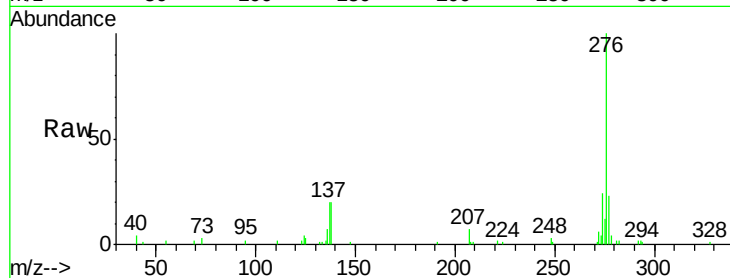
Tot Ion: 276 Resp: 45365

Ion Ratio Lower Upper

276 100

277 22.6 19.5 29.3

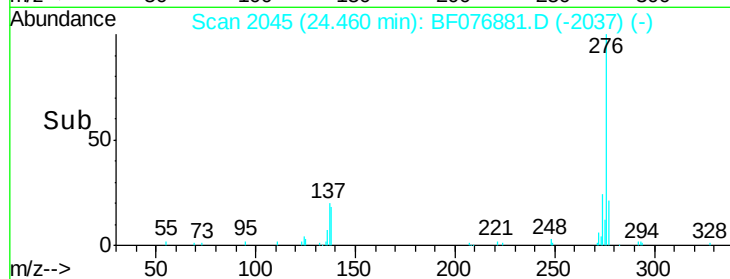
138 19.8 15.0 22.6



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-->

