

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
 Data File : BF076882.D
 Acq On : 15 Jan 2015 13:55
 Operator : IZ / TP
 Sample : G1030-08DL 50X
 Misc : S
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-SS-2(4-6)DL

Quant Time: Jan 16 00:26:52 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	28771	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	126165	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	66933	20.00	ng	-0.01
63) Phenanthrene-d10	17.82	188	109022	20.00	ng	0.00
75) Chrysene-d12	21.31	240	102239	20.00	ng	0.00
86) Perylene-d12	23.00	264	96692	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.11	112	2664	1.52	ng	0.02
7) Phenol-d6	7.44	99	3200	1.45	ng	0.02
23) Nitrobenzene-d5	9.32	82	2629	1.15	ng	0.00
41) 2,4,6-Tribromophenol	16.72	330	825	1.52	ng	0.00
44) 2-Fluorobiphenyl	13.58	172	5986	1.36	ng	-0.01
78) Terphenyl-d14	20.04	244	6735	1.52	ng	0.00

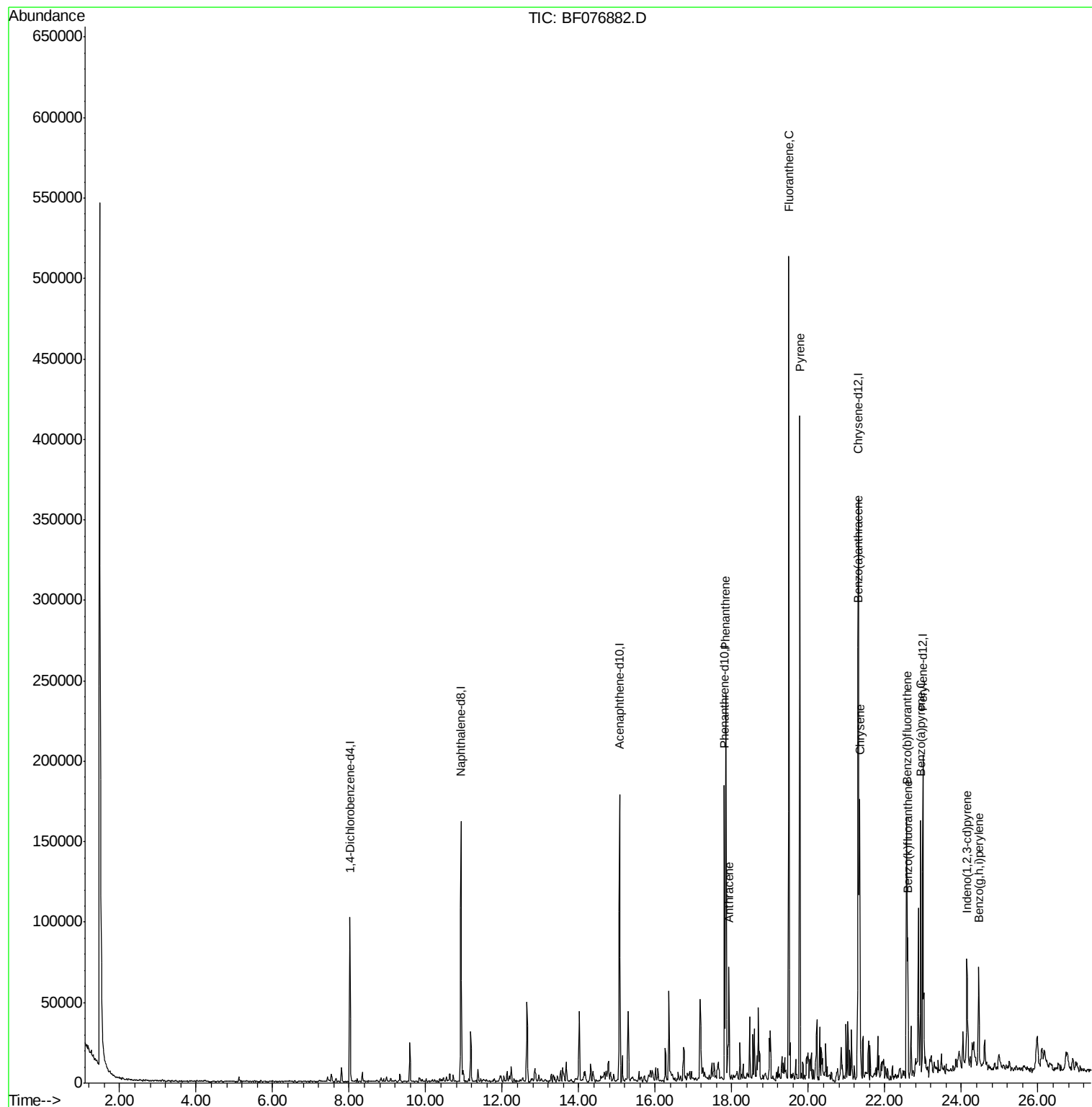
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	17.84	178	130364	19.17	ng	99
71) Anthracene	17.92	178	34308	5.17	ng	97
74) Fluoranthene	19.49	202	228511	32.80	ng	99
77) Pyrene	19.77	202	186959	26.68	ng	# 94
80) Benzo(a)anthracene	21.29	228	108057	16.85	ng	97
82) Chrysene	21.34	228	77862	13.31	ng	98
85) Indeno(1,2,3-cd)pyrene	24.14	276	45264	7.30	ng	# 80
87) Benzo(b)fluoranthene	22.57	252	109457m	16.81	ng	
88) Benzo(k)fluoranthene	22.60	252	33377m	5.87	ng	
89) Benzo(a)pyrene	22.93	252	74327	12.94	ng	# 98
91) Benzo(g,h,i)perylene	24.45	276	42256	8.06	ng	# 94

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

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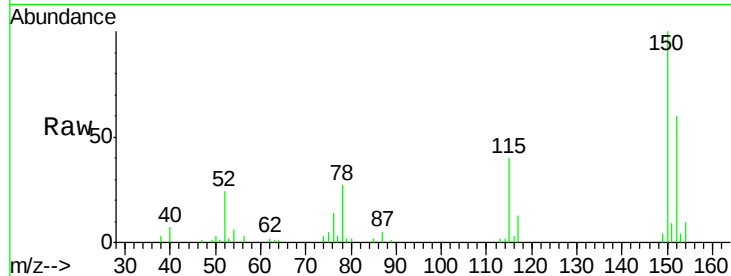


#1

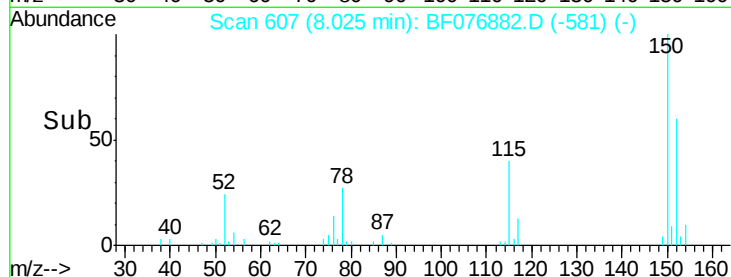
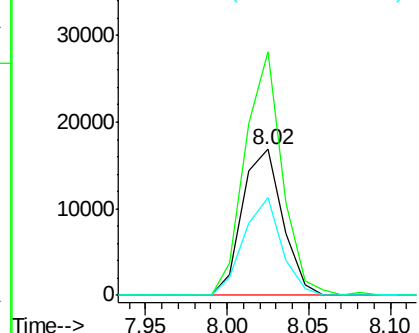
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.02 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF076882.D
Acq: 15 Jan 2015 13:55

Instrument :
BNA_F
ClientSampleId :
TP3-SS-2(4-6)DL

Tot Ion:152 Resp: 28771
Ion Ratio Lower Upper
152 100
150 166.5 121.7 182.5
115 66.4 47.0 70.6



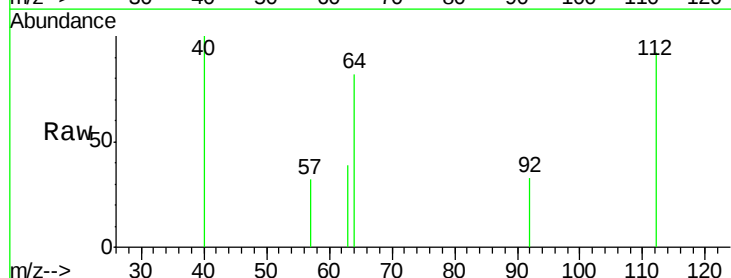
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



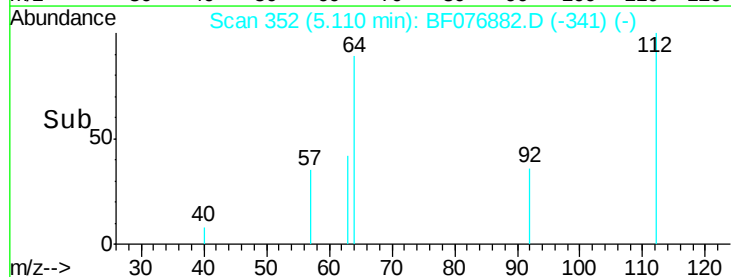
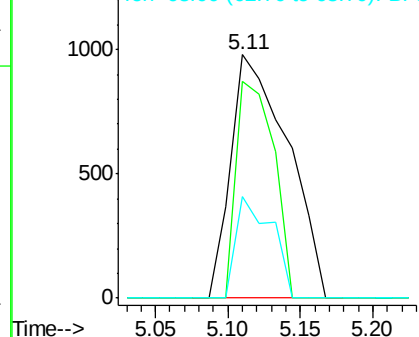
#5

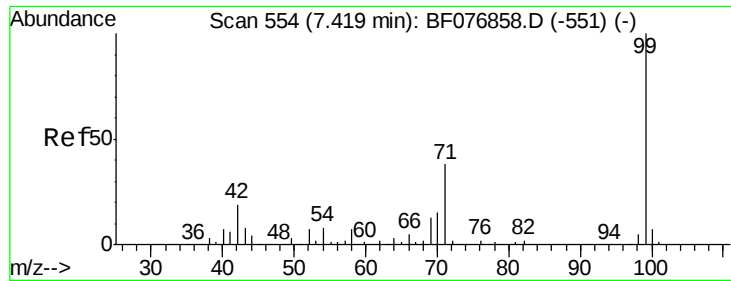
2-Fluorophenol
Concen: 1.52 ng
RT: 5.11 min Scan# 352
Delta R.T. 0.02 min
Lab File: BF076882.D
Acq: 15 Jan 2015 13:55

Tgt Ion:112 Resp: 2664
Ion Ratio Lower Upper
112 100
64 89.0 54.2 81.4#
63 41.9 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: 1.45 ng

RT: 7.44 min Scan# 556

Delta R.T. 0.02 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

Instrument :

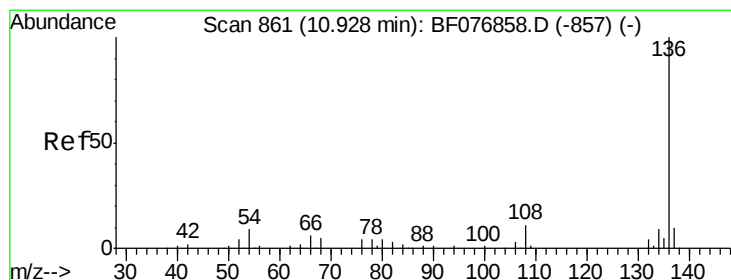
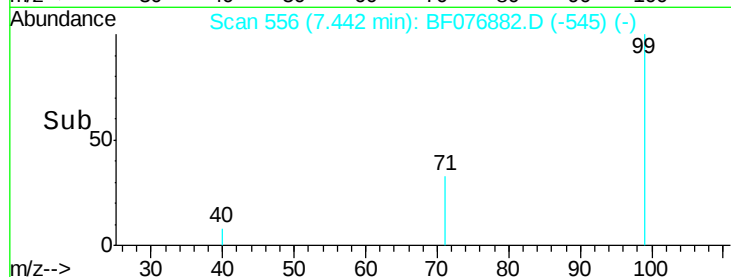
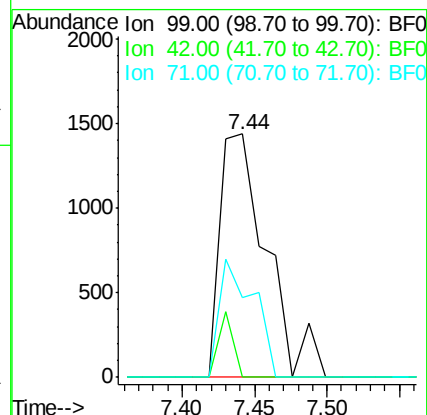
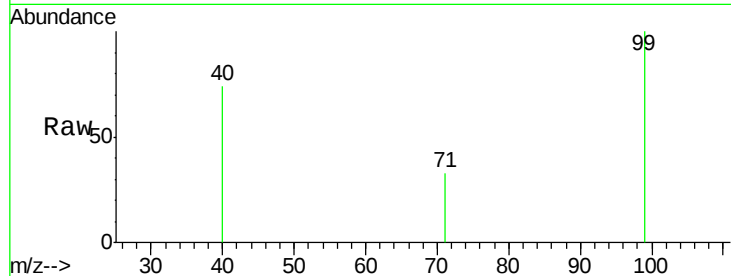
BNA_F

ClientSampleId :

TP3-SS-2(4-6)DL

Tot Ion: 99 Resp: 3200

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.0	22.4#
71	32.5	30.5	45.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 861

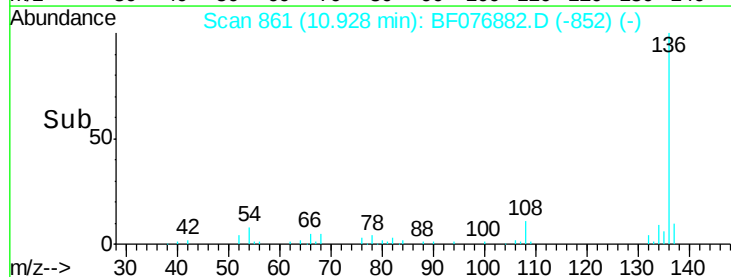
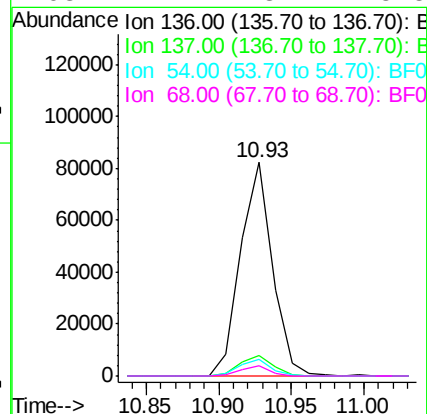
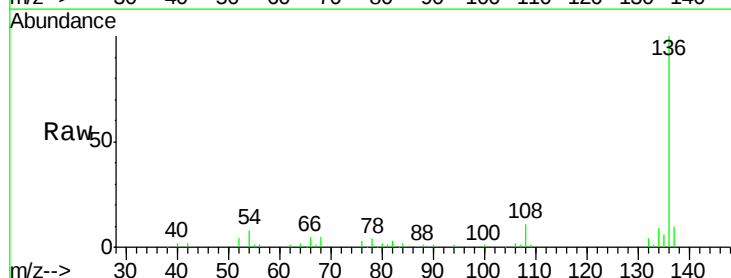
Delta R.T. 0.00 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

Tgt Ion: 136 Resp: 126165

Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.1	12.1
54	7.9	7.0	10.4
68	4.7	3.7	5.5

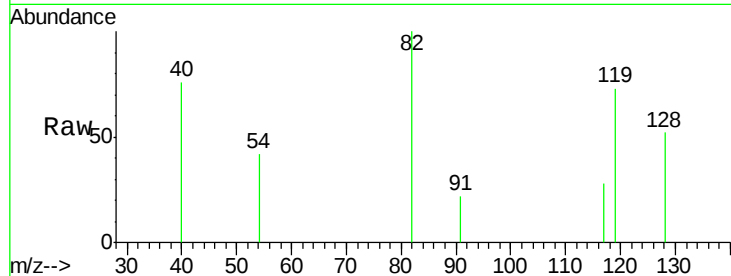




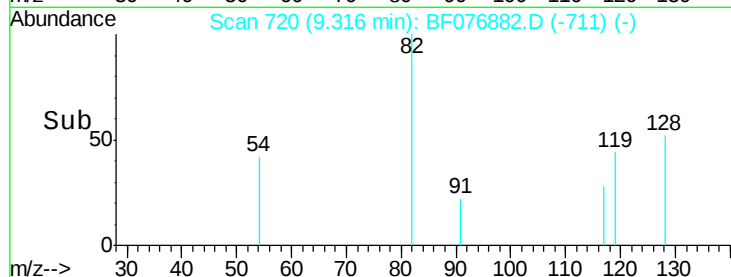
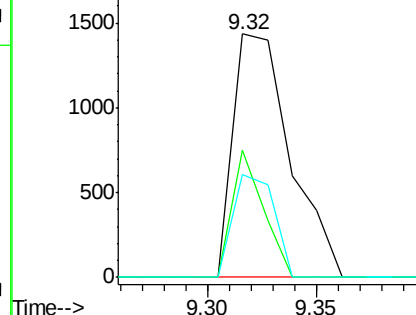
#23
 Nitrobenzene-d5
 Concen: 1.15 ng
 RT: 9.32 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF076882.D
 Acq: 15 Jan 2015 13:55

Instrument :
 BNA_F
 ClientSampleID :
 TP3-SS-2(4-6)DL

Tot Ion: 82 Resp: 2629
 Ion Ratio Lower Upper
 82 100
 128 52.1 33.1 49.7#
 54 42.3 48.3 72.5#

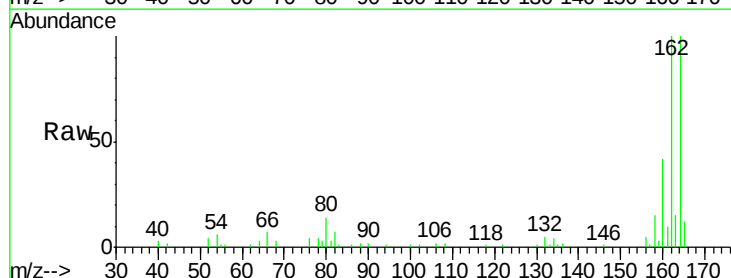


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

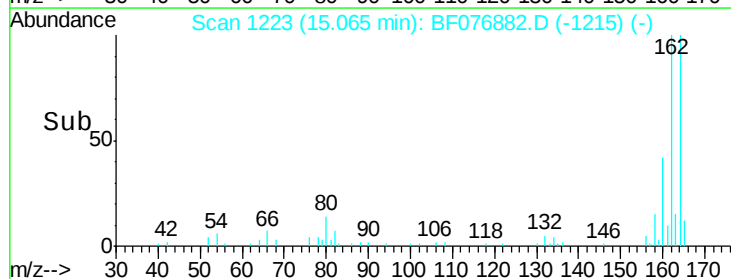
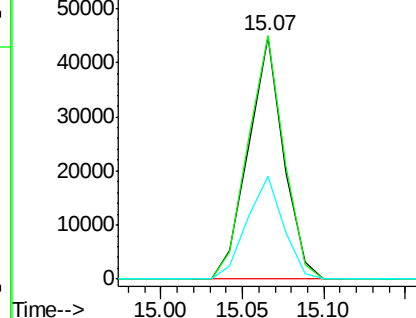


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF076882.D
 Acq: 15 Jan 2015 13:55

Tgt Ion: 164 Resp: 66933
 Ion Ratio Lower Upper
 164 100
 162 100.3 82.4 123.6
 160 42.5 34.8 52.2



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: 1.52 ng

RT: 16.72 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

Instrument :

BNA_F

ClientSampleId :

TP3-SS-2(4-6)DL

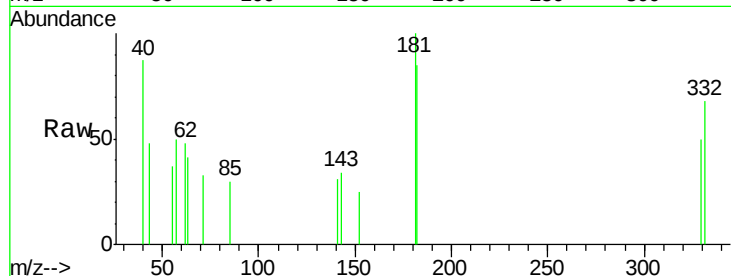
Tot Ion:330 Resp: 825

Ion Ratio Lower Upper

330 100

332 114.3 77.8 116.6

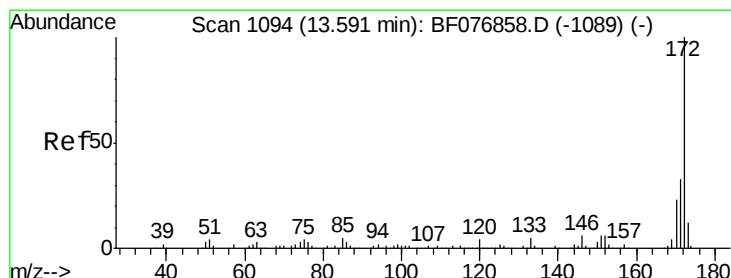
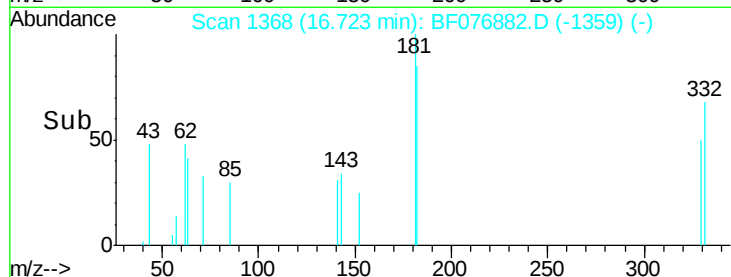
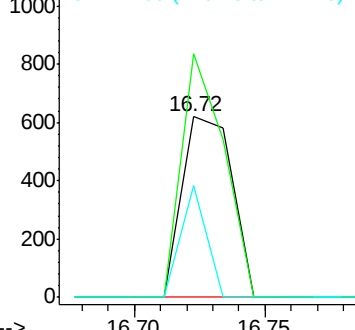
141 31.8 38.5 57.7#



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: 1.36 ng

RT: 13.58 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

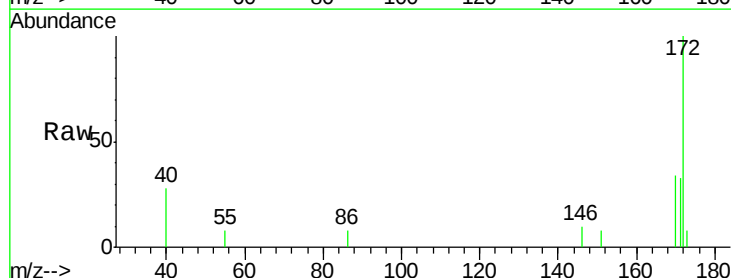
Tgt Ion:172 Resp: 5986

Ion Ratio Lower Upper

172 100

171 32.7 26.6 40.0

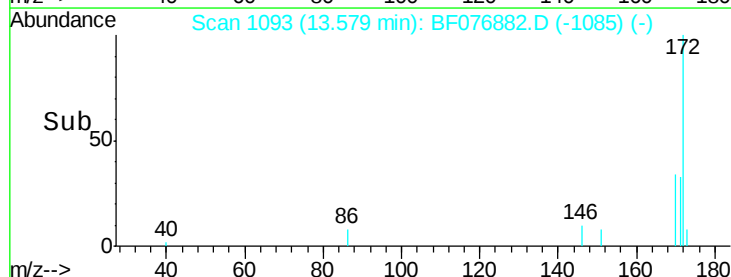
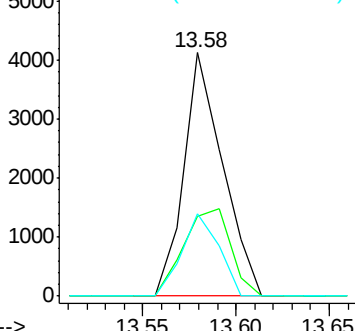
170 33.6 18.0 27.0#

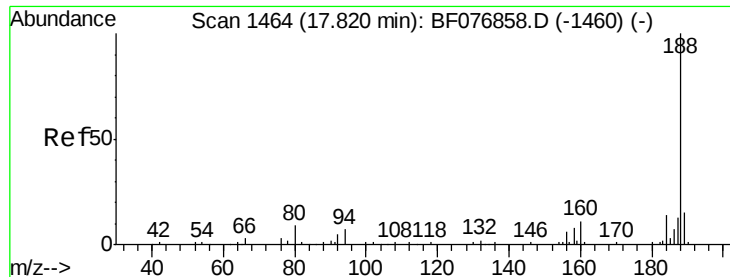


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

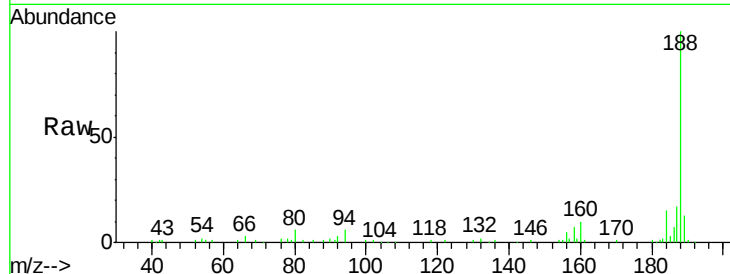




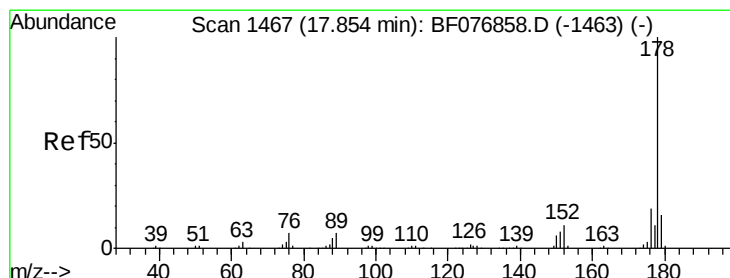
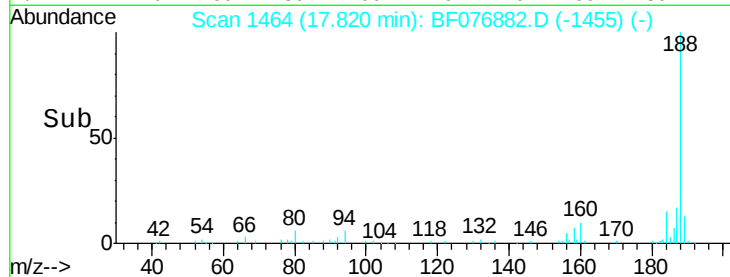
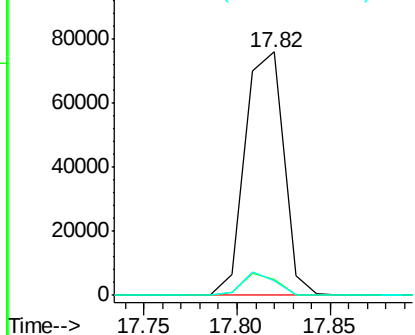
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.82 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BF076882.D
Acq: 15 Jan 2015 13:55

Instrument :
BNA_F
ClientSampleId :
TP3-SS-2(4-6)DL

Tot Ion:188 Resp: 109022
Ion Ratio Lower Upper
188 100
94 6.5 6.0 9.0
80 6.0 6.9 10.3#

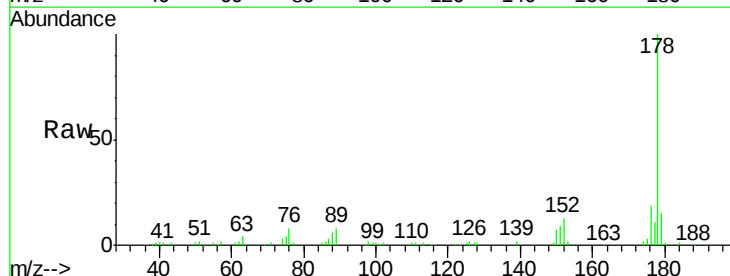


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

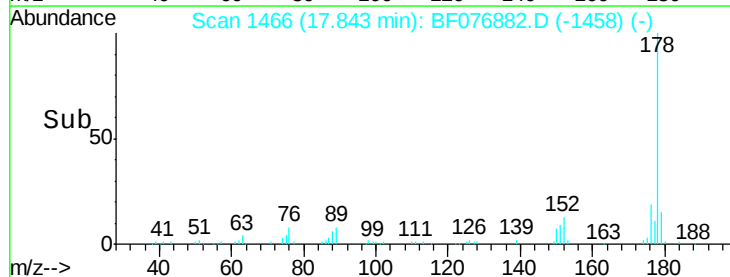
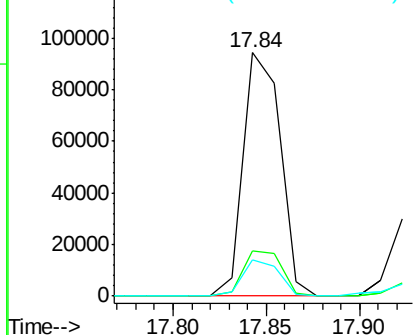


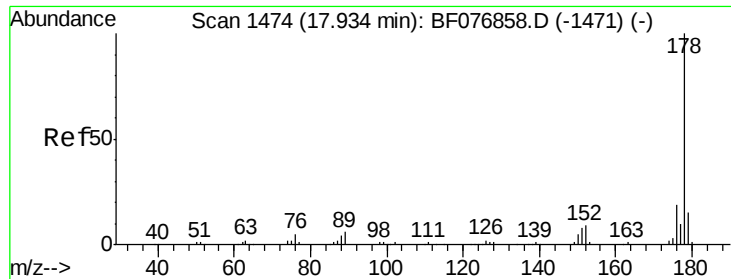
#70
Phenanthrene
Concen: 19.17 ng
RT: 17.84 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF076882.D
Acq: 15 Jan 2015 13:55

Tgt Ion:178 Resp: 130364
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.0 12.7 19.1



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

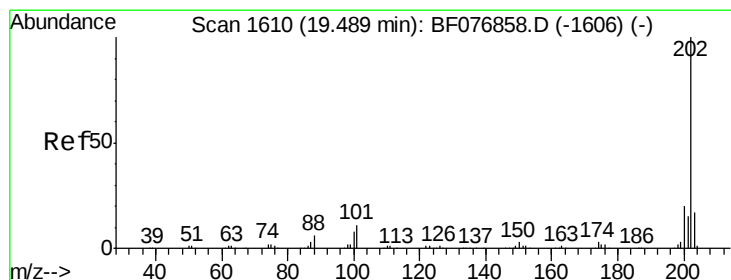
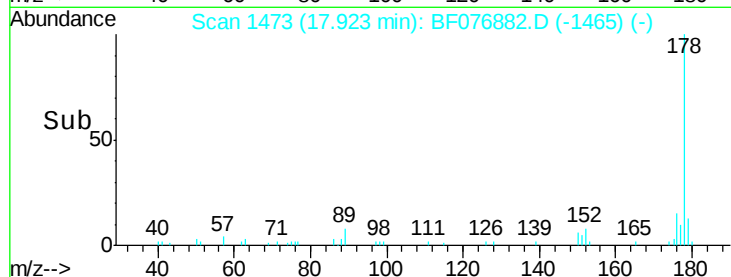
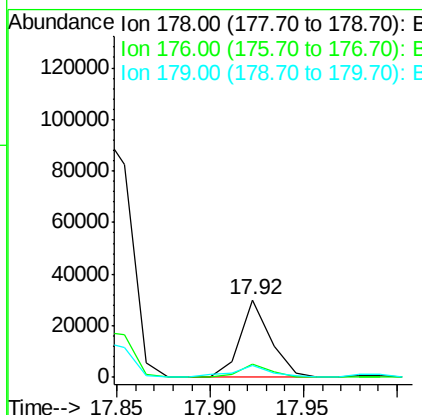
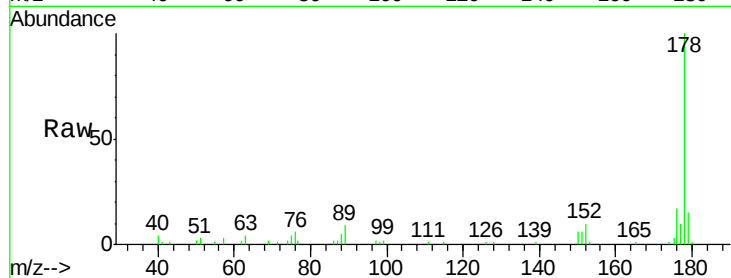




#71
 Anthracene
 Concen: 5.17 ng
 RT: 17.92 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: BF076882.D
 Acq: 15 Jan 2015 13:55

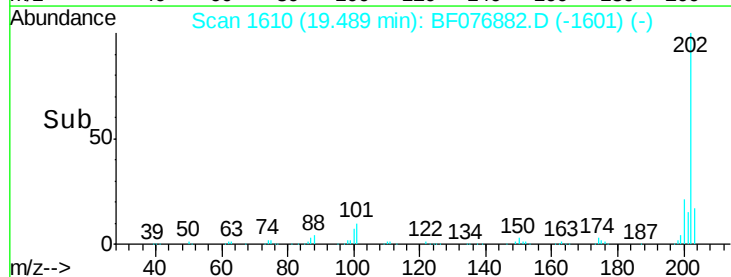
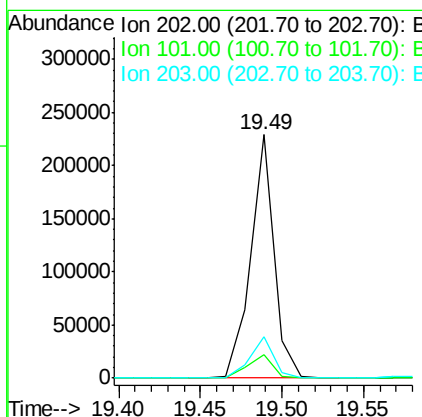
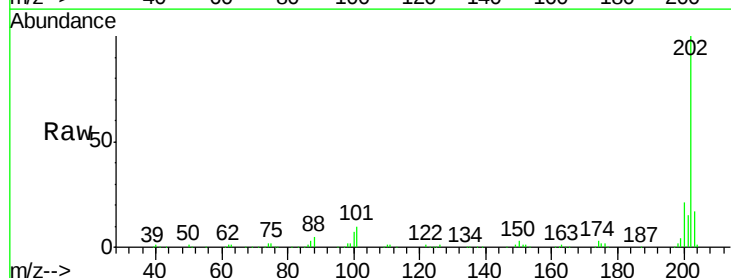
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 TP3-SS-2(4-6)DL

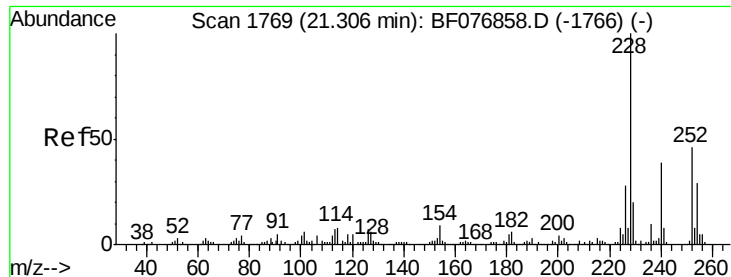
Tot Ion:178 Resp: 34308
 Ion Ratio Lower Upper
 178 100
 176 16.7 15.4 23.0
 179 14.6 11.9 17.9



#74
 Fluoranthene
 Concen: 32.80 ng
 RT: 19.49 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF076882.D
 Acq: 15 Jan 2015 13:55

Tgt Ion:202 Resp: 228511
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.7
 203 17.0 0.0 36.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.31 min Scan# 1769

Delta R.T. 0.00 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

Instrument :

BNA_F

ClientSampleId :

TP3-SS-2(4-6)DL

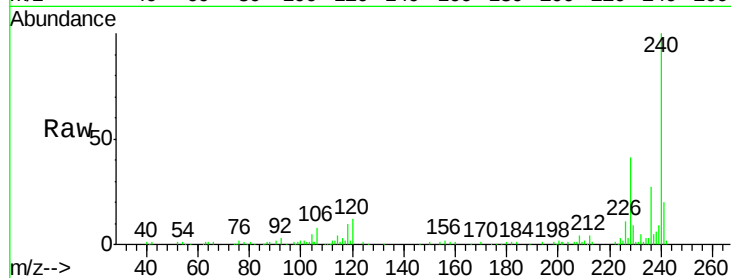
Tot Ion:240 Resp: 102239

Ion Ratio Lower Upper

240 100

120 11.5 10.4 15.6

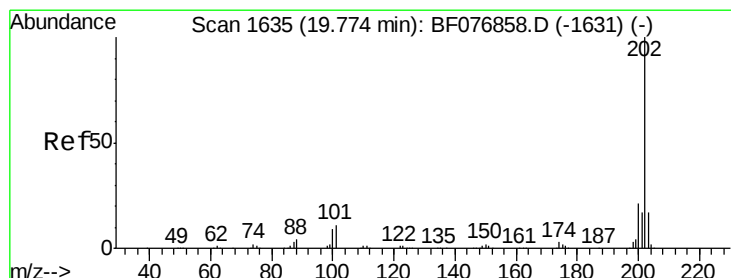
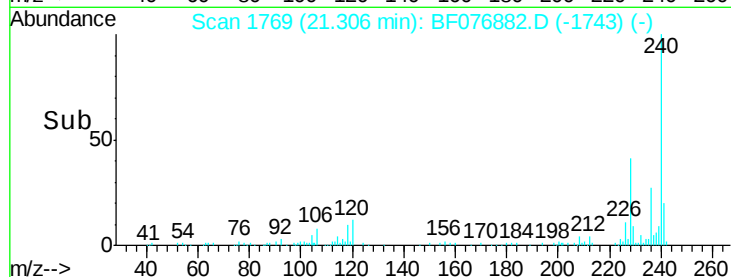
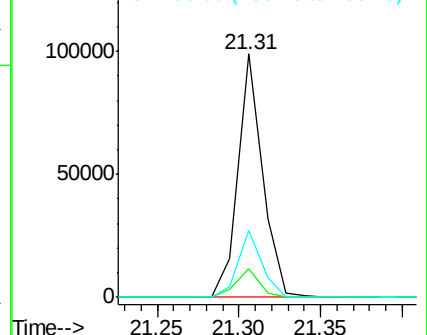
236 27.4 20.2 30.2



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: 26.68 ng

RT: 19.77 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

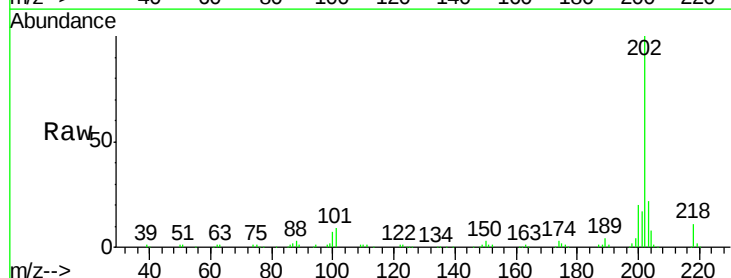
Tgt Ion:202 Resp: 186959

Ion Ratio Lower Upper

202 100

200 19.7 16.7 25.1

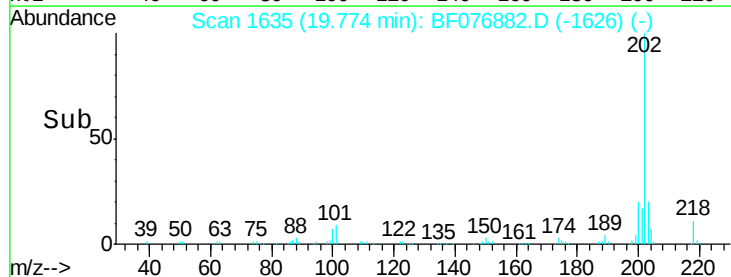
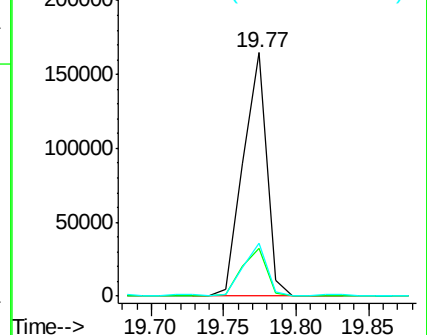
203 21.6 14.0 21.0#

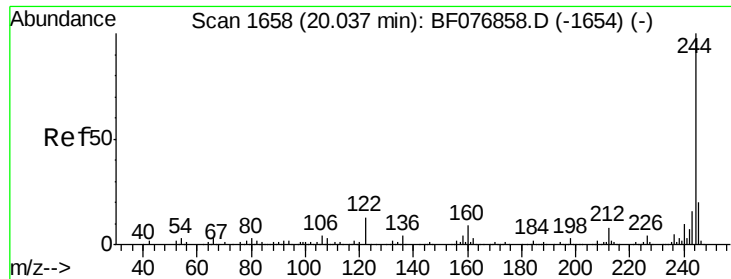


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 1.52 ng

RT: 20.04 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

Instrument :

BNA_F

ClientSampleId :

TP3-SS-2(4-6)DL

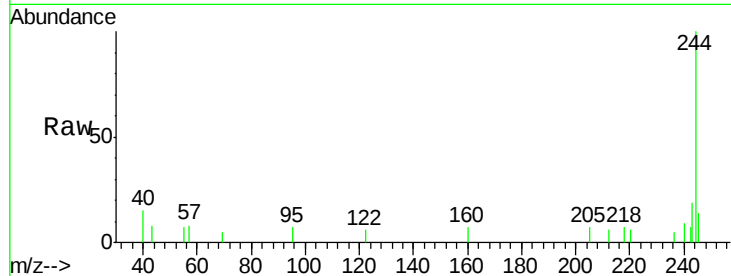
Tot Ion:244 Resp: 6735

Ion Ratio Lower Upper

244 100

212 6.2 6.3 9.5#

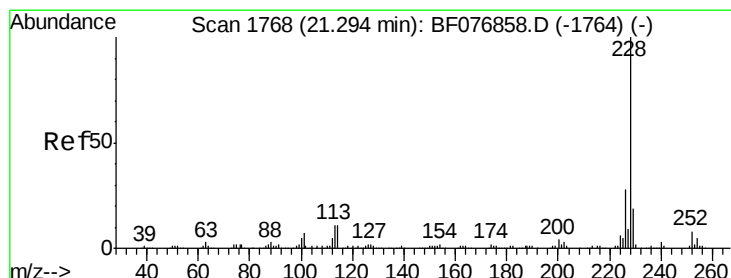
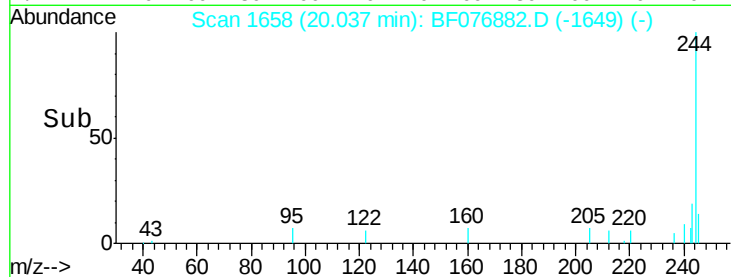
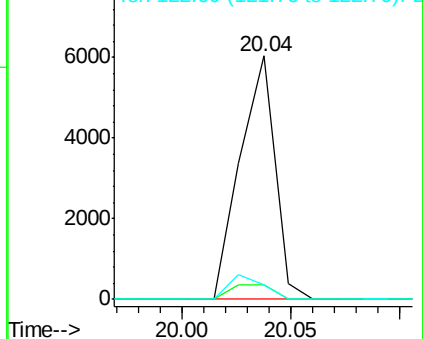
122 6.1 10.1 15.1#



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: 16.85 ng

RT: 21.29 min Scan# 1768

Delta R.T. 0.00 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

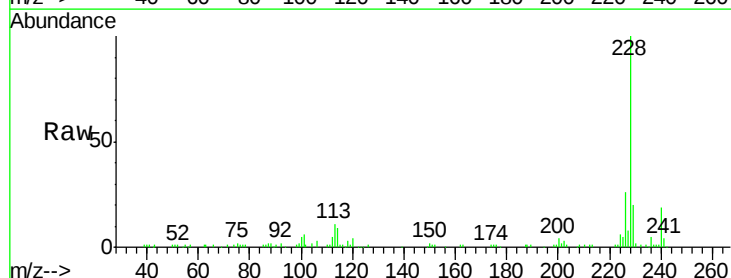
Tgt Ion:228 Resp: 108057

Ion Ratio Lower Upper

228 100

226 25.9 22.1 33.1

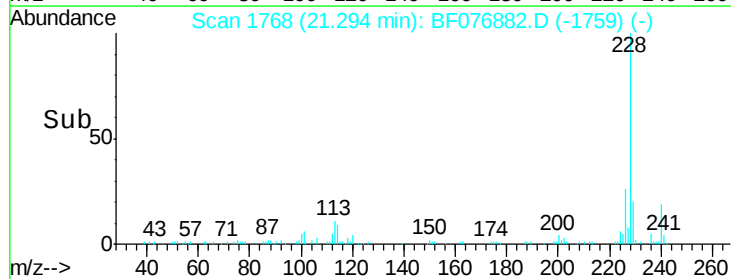
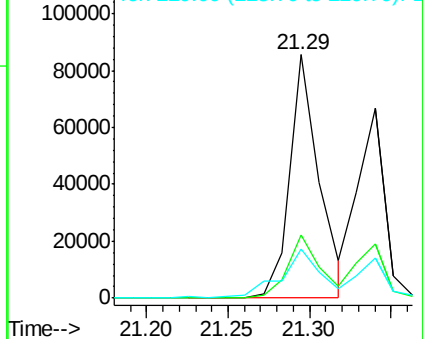
229 20.2 15.5 23.3

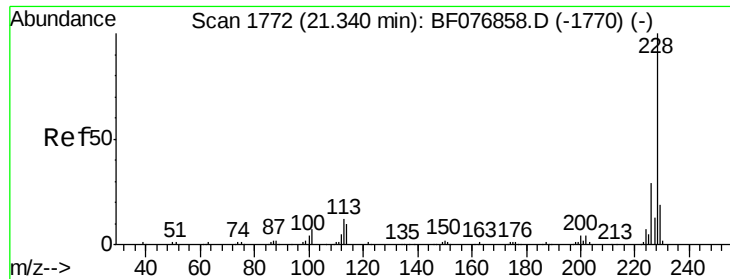


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.31 ng

RT: 21.34 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

Instrument :

BNA_F

ClientSampleId :

TP3-SS-2(4-6)DL

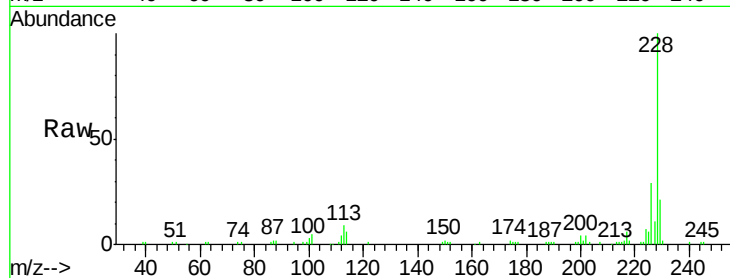
Tot Ion:228 Resp: 77862

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.0

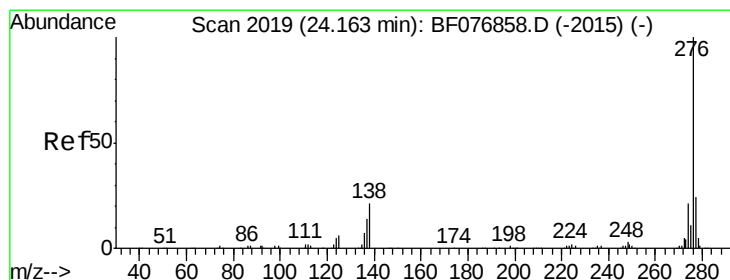
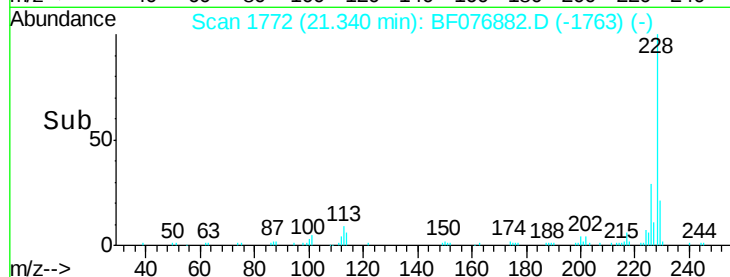
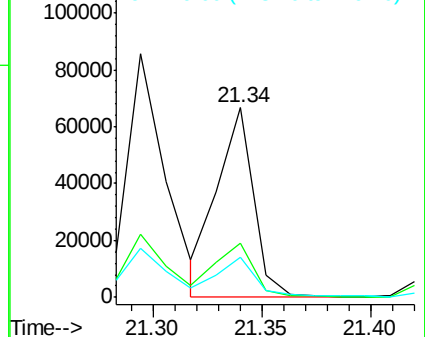
229 21.1 15.4 23.0



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: 7.30 ng

RT: 24.14 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

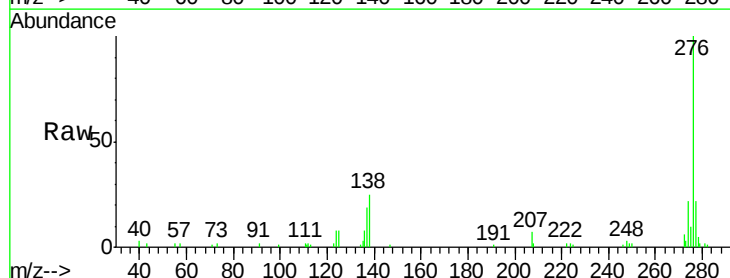
Tgt Ion:276 Resp: 45264

Ion Ratio Lower Upper

276 100

138 28.9 14.6 22.0#

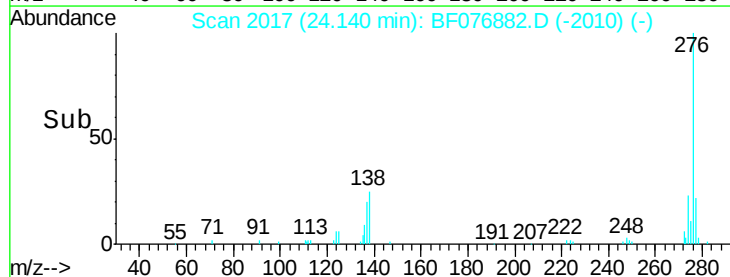
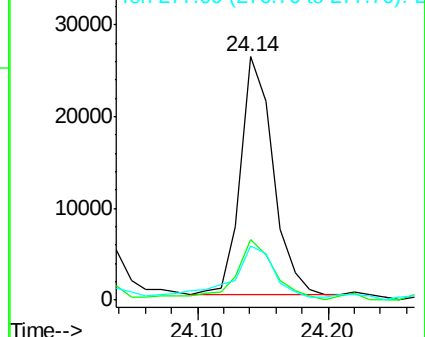
277 26.1 14.8 22.2#

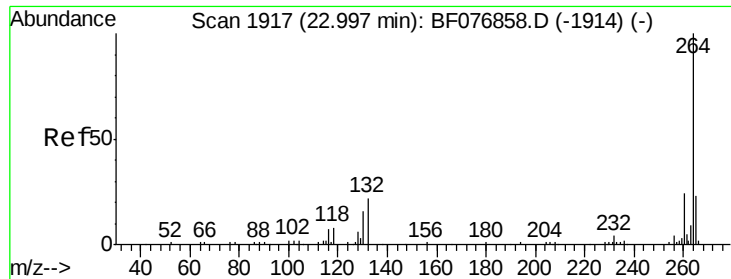


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

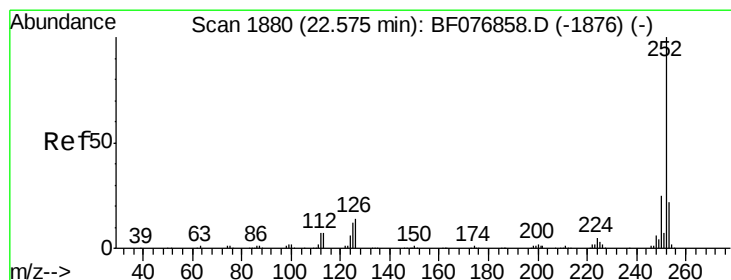
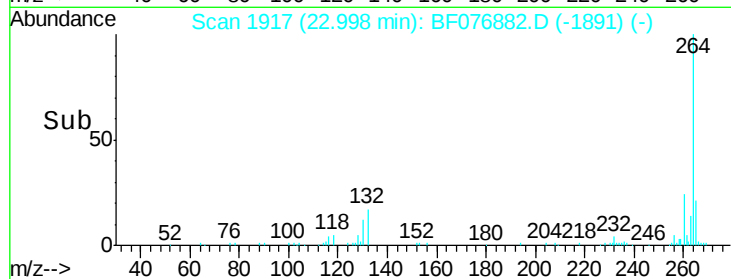
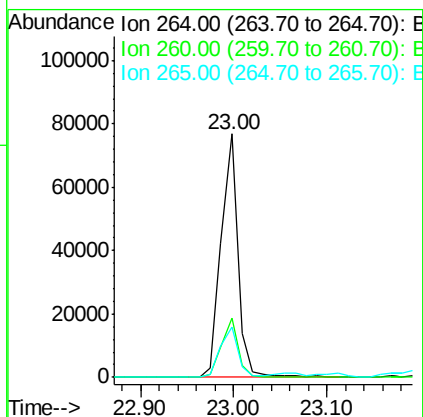
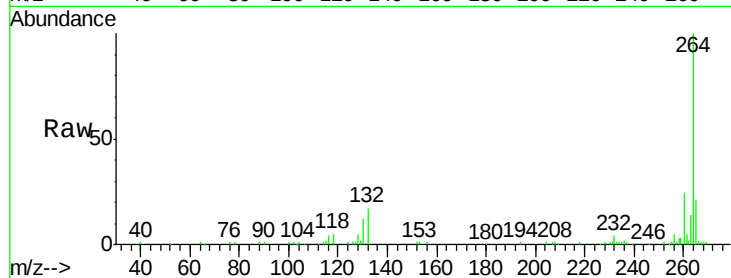




#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.00 min Scan# 1917
Delta R.T. 0.00 min
Lab File: BF076882.D
Acq: 15 Jan 2015 13:55

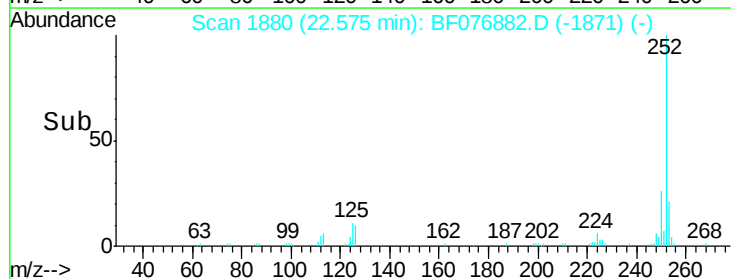
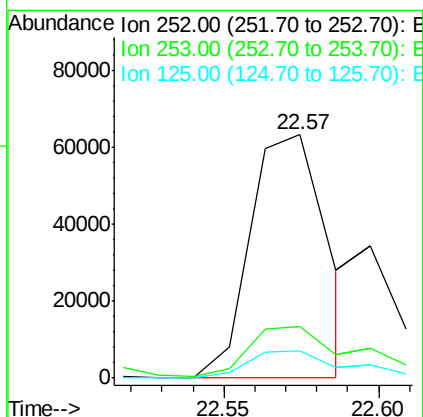
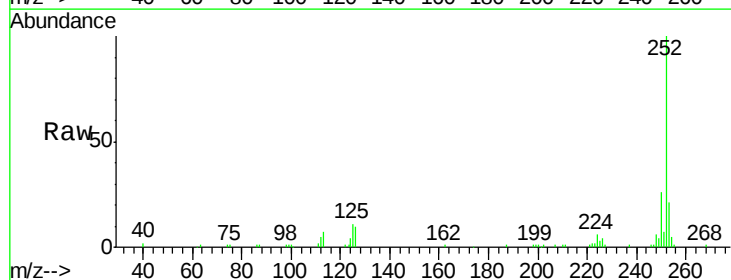
Instrument :
BNA_F
ClientSampleId :
TP3-SS-2(4-6)DL

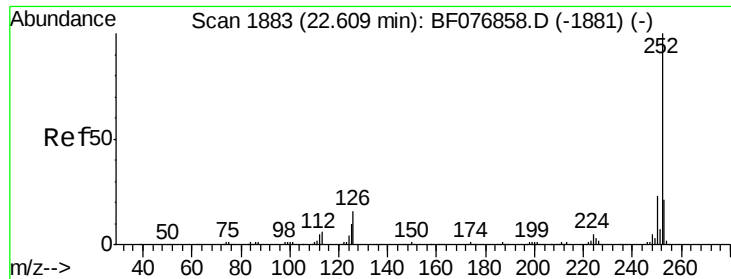
Tot Ion:264 Resp: 96692
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.4
265 20.6 18.1 27.1



#87
Benzo(b)fluoranthene
Concen: 16.81 ng m
RT: 22.57 min Scan# 1880
Delta R.T. 0.00 min
Lab File: BF076882.D
Acq: 15 Jan 2015 13:55

Tgt Ion:252 Resp: 109457
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 11.1 9.4 14.0





#88

Benzo(k)fluoranthene

Concen: 5.87 ng/mL

RT: 22.60 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

Instrument :

BNA_F

ClientSampleId :

TP3-SS-2(4-6)DL

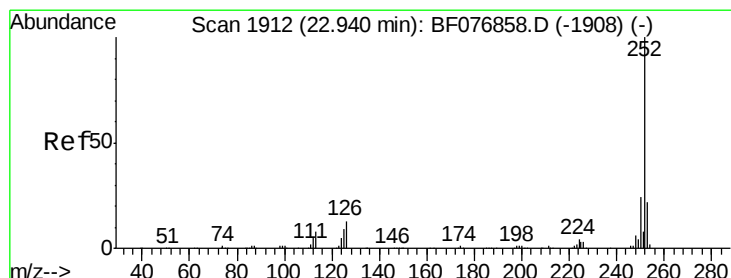
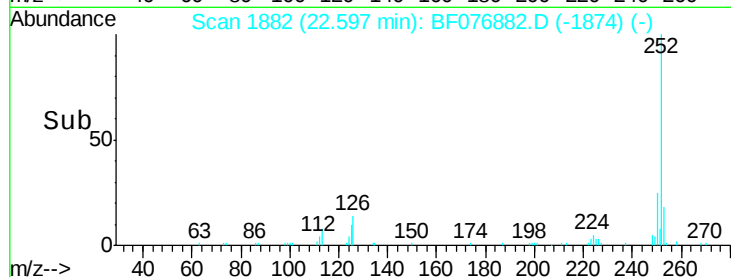
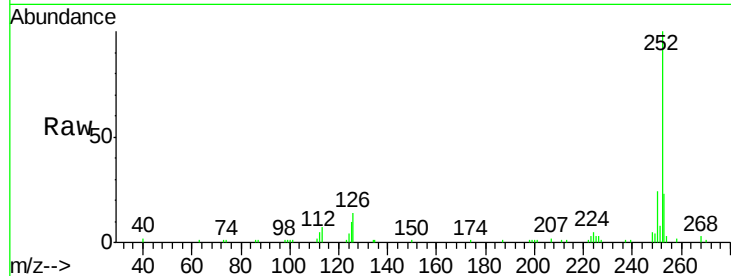
Tot Ion:252 Resp: 33377

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 9.6 7.1 10.7



#89

Benzo(a)pyrene

Concen: 12.94 ng/mL

RT: 22.93 min Scan# 1911

Delta R.T. -0.01 min

Lab File: BF076882.D

Acq: 15 Jan 2015 13:55

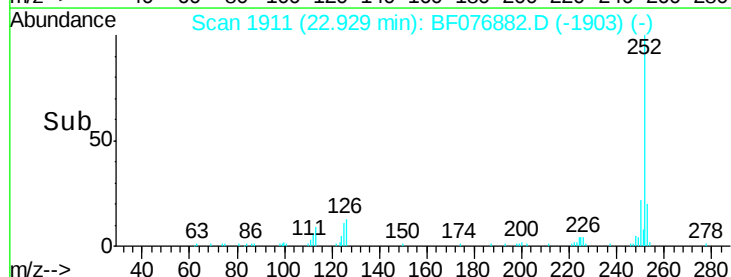
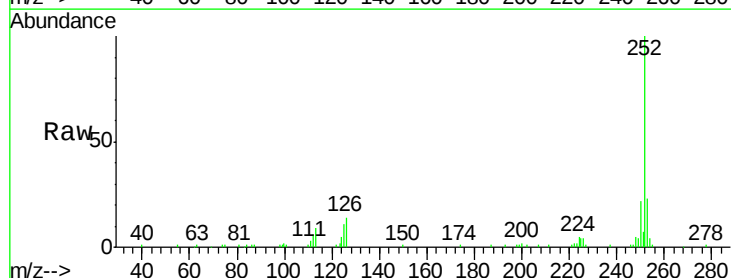
Tgt Ion:252 Resp: 74327

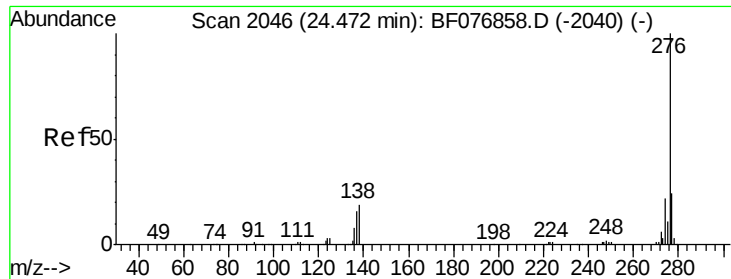
Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 11.2 7.2 10.8#

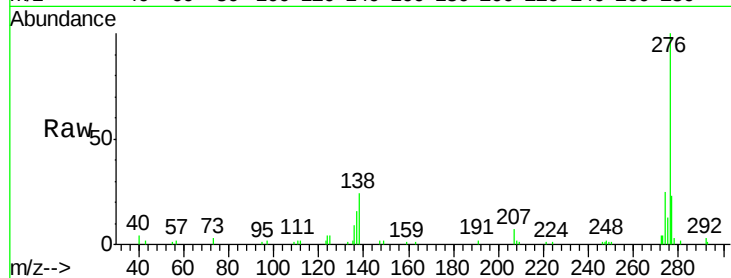




#91
 Benzo(a,h,i)perylene
 Concen: 8.06 ng
 RT: 24.45 min Scan# 2044
 Delta R.T. -0.02 min
 Lab File: BF076882.D
 Acq: 15 Jan 2015 13:55

Instrument :
 BNA_F
 ClientSampleId :
 TP3-SS-2(4-6)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.5	29.3
138	23.5	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

