

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078572.D
 Acq On : 16 Apr 2015 18:23
 Operator : TP/IZ
 Sample : G1891-06 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-82S

Quant Time: Apr 17 02:18:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 00:52:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	25782	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	116815	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	65026	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	138601	20.00	ng	0.00
75) Chrysene-d12	15.50	240	160709	20.00	ng	0.01
86) Perylene-d12	17.23	264	159643	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.91	112	19618	12.55	ng	0.01
7) Phenol-d6	6.31	99	27449	14.01	ng	0.01
23) Nitrobenzene-d5	7.39	82	15926	8.26	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	8312	15.41	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	37645	8.28	ng	0.00
78) Terphenyl-d14	14.23	244	50454	7.09	ng	0.00

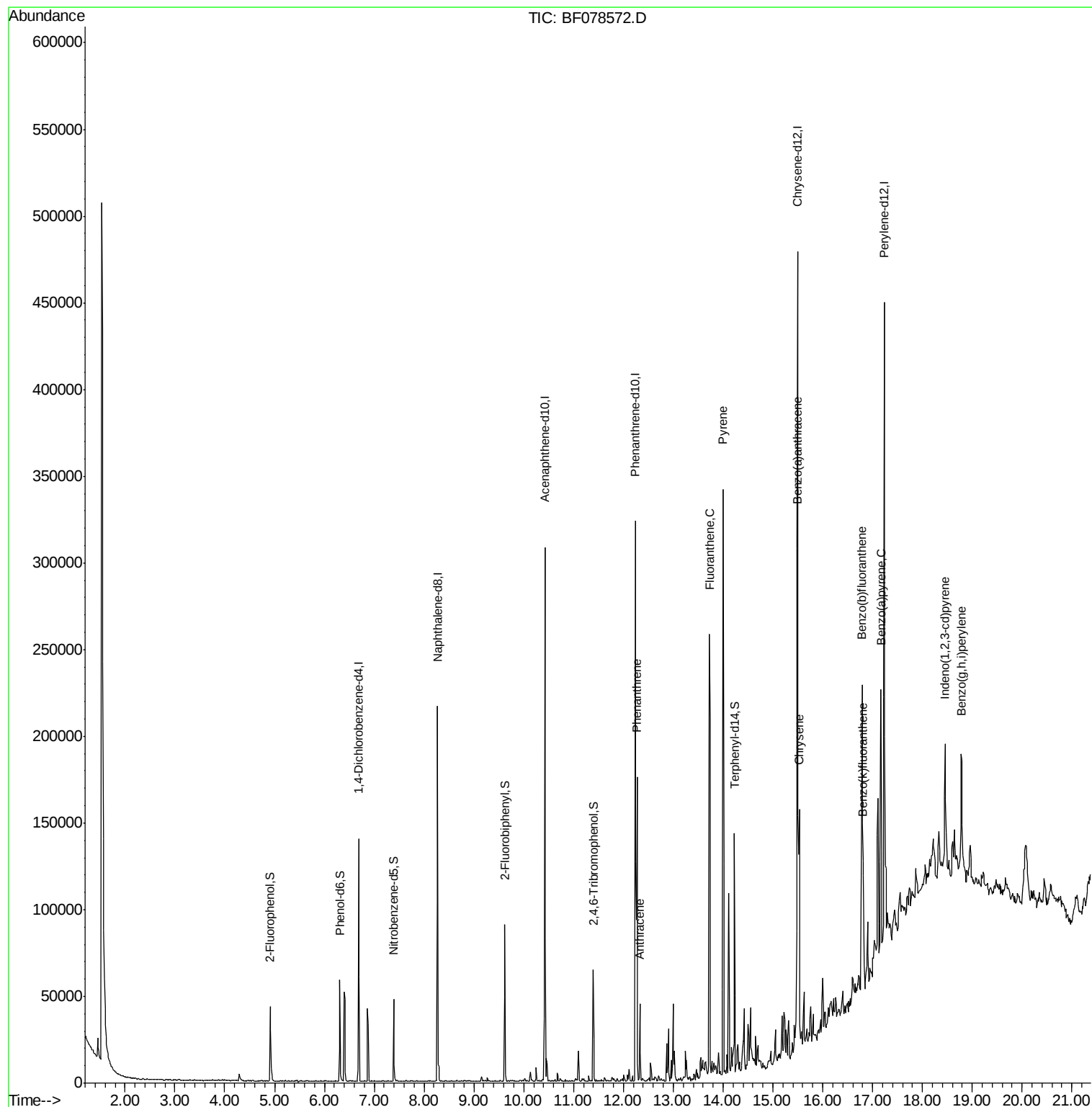
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.27	178	84567	10.55	ng	99
71) Anthracene	12.33	178	21449	2.71	ng	98
74) Fluoranthene	13.73	202	149319	17.66	ng	99
77) Pyrene	14.00	202	137355	13.61	ng	# 93
80) Benzo(a)anthracene	15.49	228	83489	8.73	ng	98
82) Chrysene	15.53	228	63497	7.07	ng	96
85) Indeno(1,2,3-cd)pyrene	18.46	276	46008m	4.51	ng	
87) Benzo(b)fluoranthene	16.79	252	106424m	10.79	ng	
88) Benzo(k)fluoranthene	16.81	252	19998m	2.28	ng	
89) Benzo(a)pyrene	17.17	252	69121	8.03	ng	# 92
91) Benzo(g,h,i)perylene	18.79	276	43863m	5.07	ng	

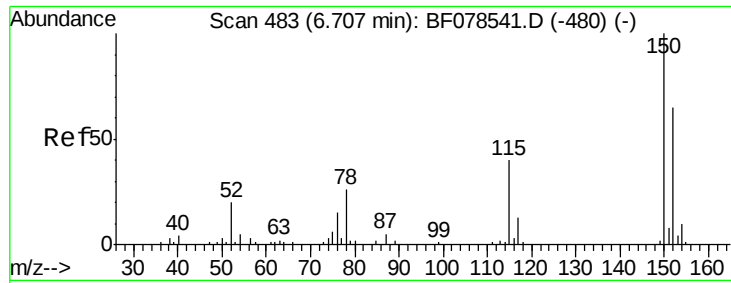
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 17 00:52:22 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

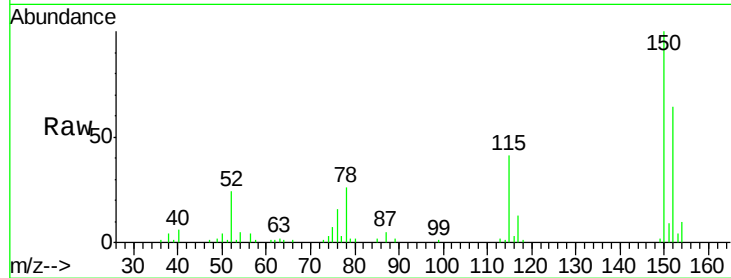
Tgt Ion:152 Resp: 25782

Ion Ratio Lower Upper

152 100

150 156.7 125.9 188.9

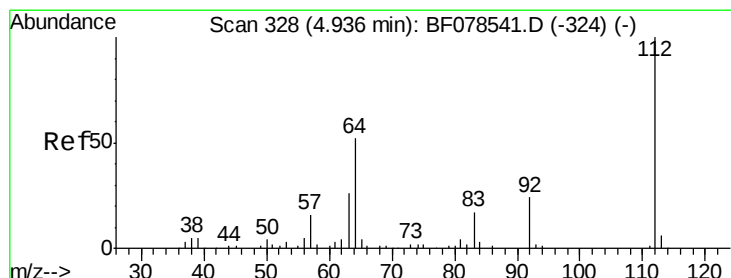
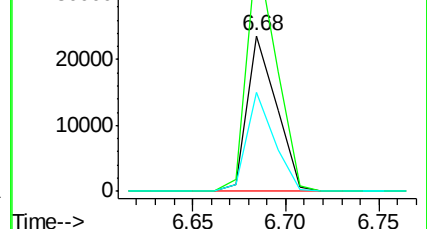
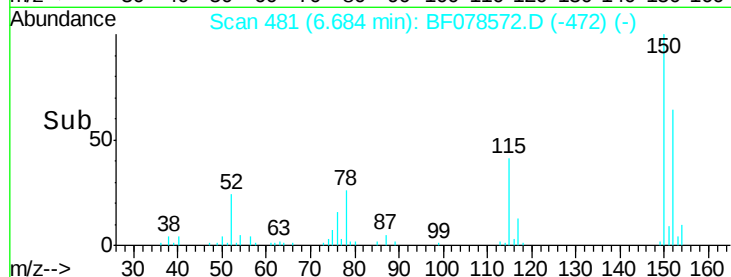
115 64.0 52.7 79.1



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: 12.55 ng

RT: 4.91 min Scan# 326

Delta R.T. 0.01 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

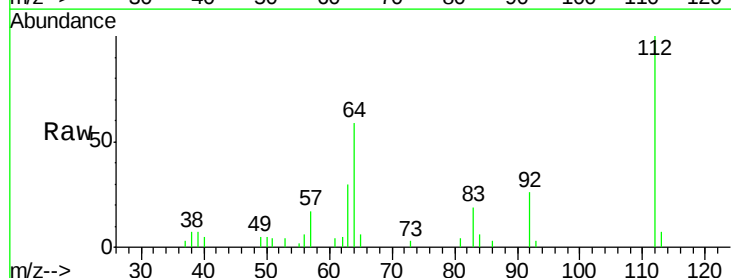
Tgt Ion:112 Resp: 19618

Ion Ratio Lower Upper

112 100

64 59.1 39.9 59.9

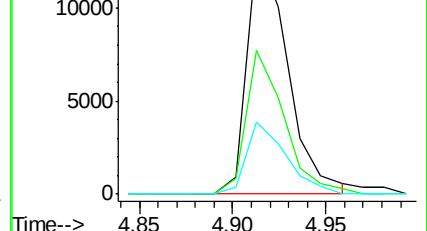
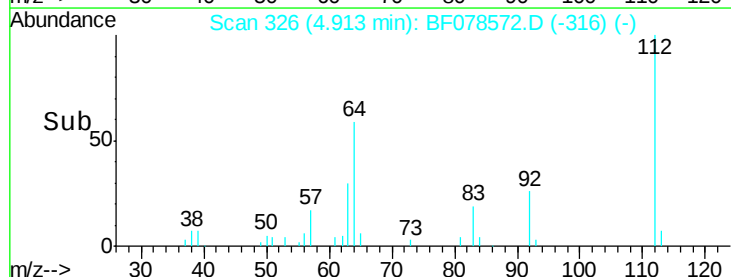
63 29.7 20.2 30.4

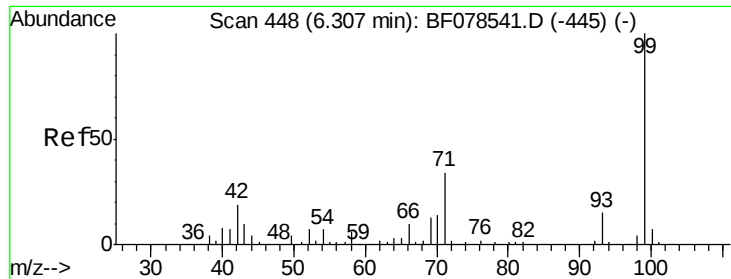


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 14.01 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

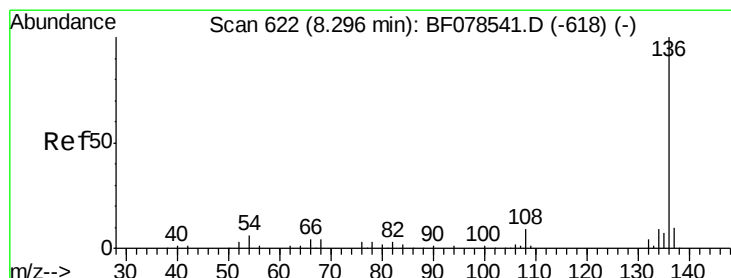
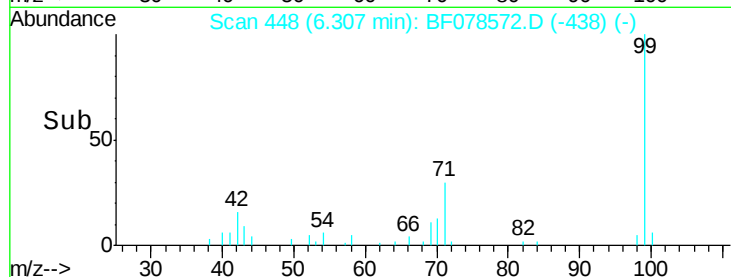
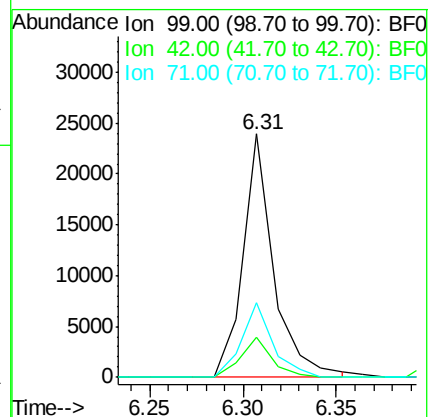
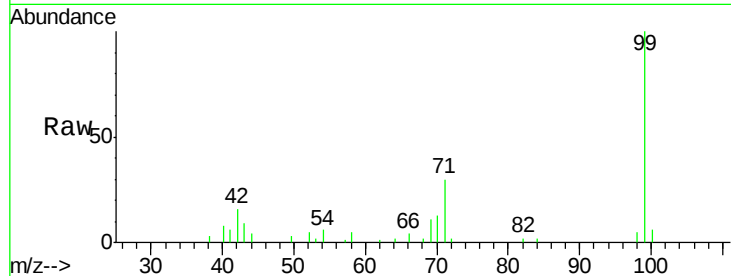
Tgt Ion: 99 Resp: 27449

Ion Ratio Lower Upper

99 100

42 16.4 14.8 22.2

71 30.5 26.6 39.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 620

Delta R.T. -0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Tgt Ion: 136 Resp: 116815

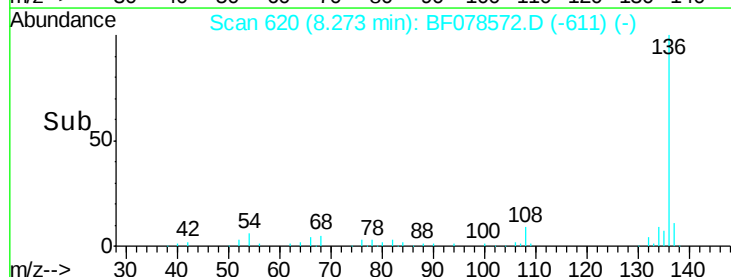
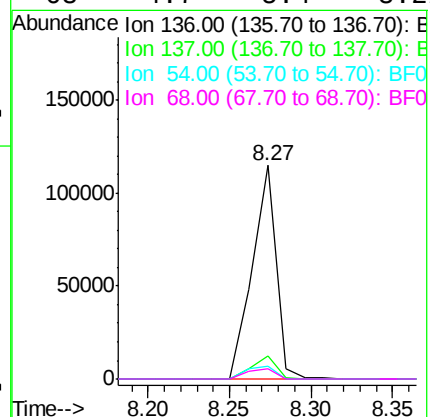
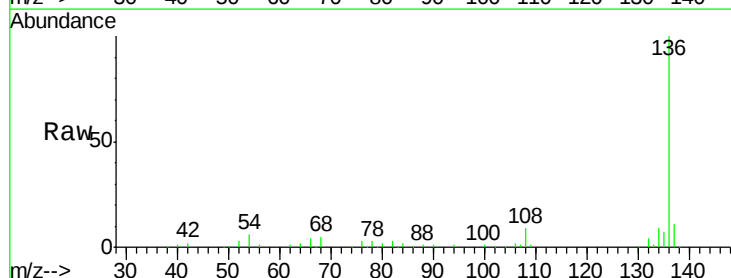
Ion Ratio Lower Upper

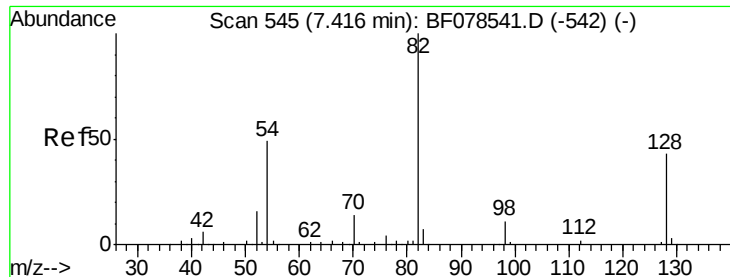
136 100

137 10.5 9.0 13.4

54 5.9 7.0 10.6#

68 4.7 5.4 8.2#

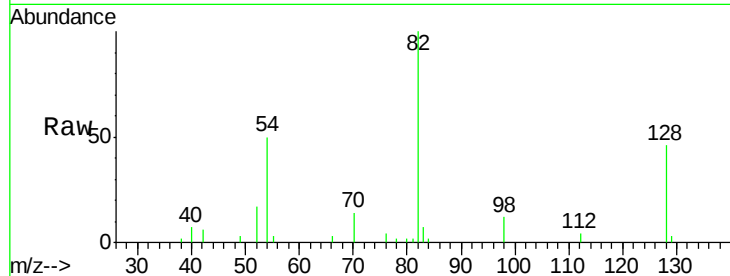




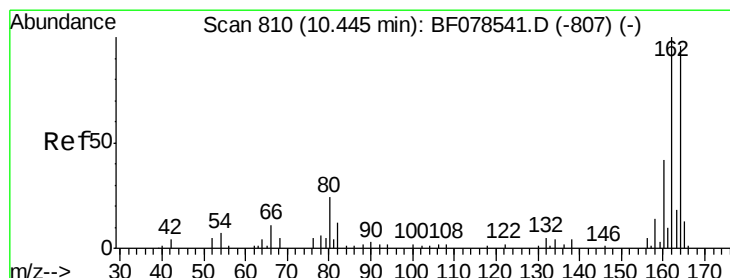
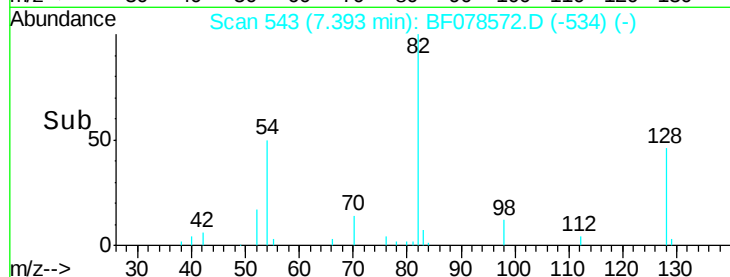
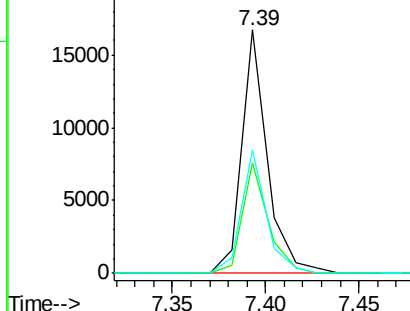
#23
 Nitrobenzene-d5
 Concen: 8.26 ng
 RT: 7.39 min Scan# 543
 Delta R.T. -0.00 min
 Lab File: BF078572.D
 Acq: 16 Apr 2015 18:23

Instrument :
 BNA_F
 ClientSampled :
 SB-82S

Tgt Ion: 82 Resp: 15926
 Ion Ratio Lower Upper
 82 100
 128 45.6 31.8 47.8
 54 50.4 41.5 62.3

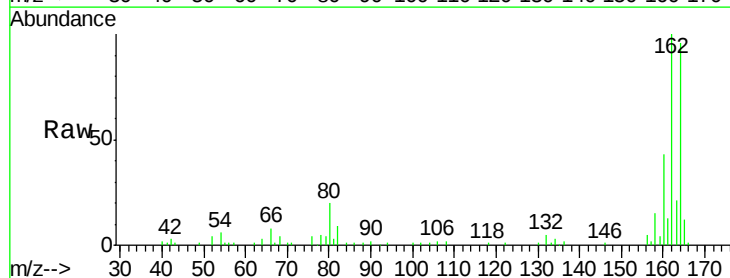


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

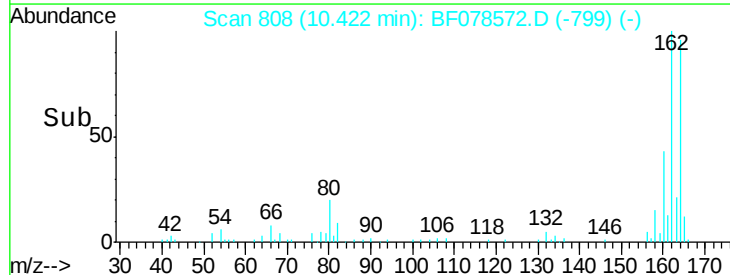
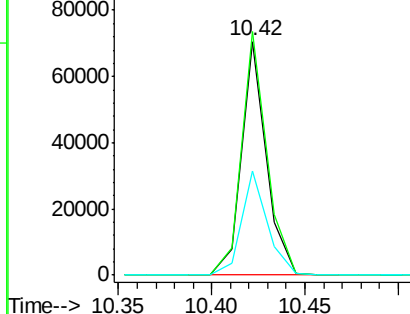


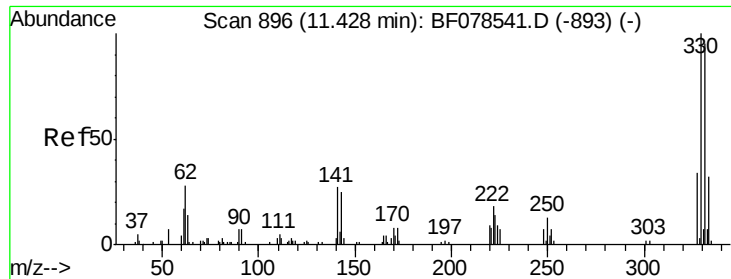
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF078572.D
 Acq: 16 Apr 2015 18:23

Tgt Ion: 164 Resp: 65026
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.2 123.2
 160 44.5 34.7 52.1



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

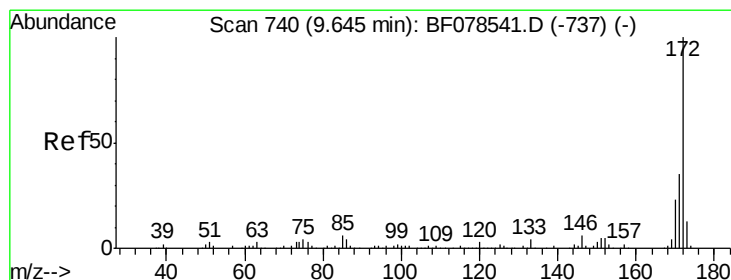
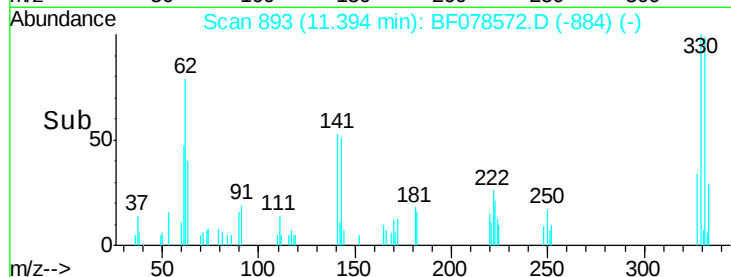
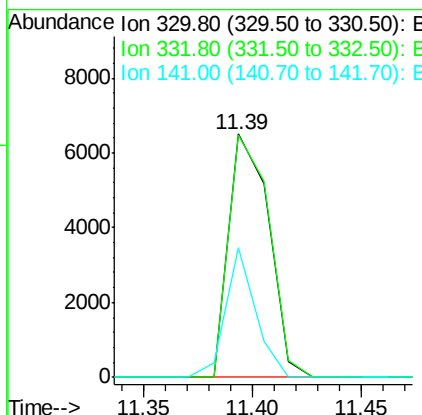
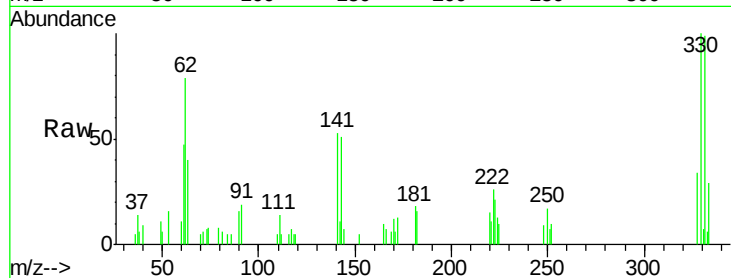




#41
 2,4,6-Tribromophenol
 Concen: 15.41 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF078572.D
 Acq: 16 Apr 2015 18:23

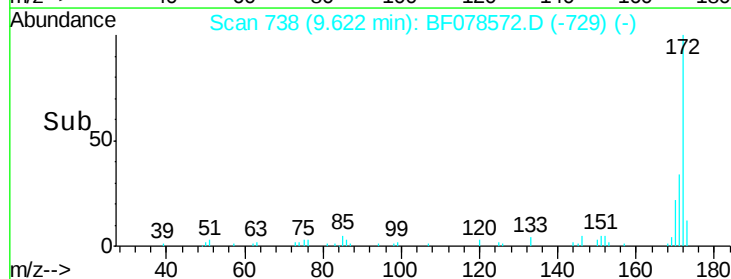
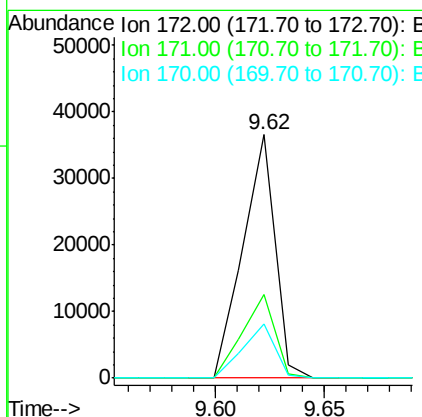
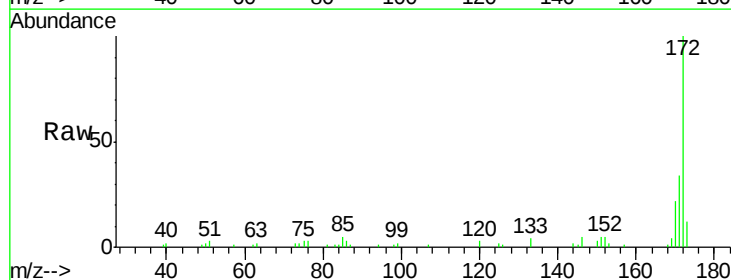
Instrument :
 BNA_F
 ClientSampled :
 SB-82S

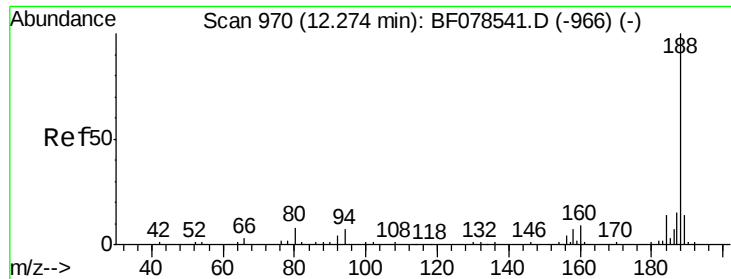
Tgt Ion:330 Resp: 8312
 Ion Ratio Lower Upper
 330 100
 332 100.3 78.6 117.8
 141 39.8 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 8.28 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF078572.D
 Acq: 16 Apr 2015 18:23

Tgt Ion:172 Resp: 37645
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.6 42.8
 170 22.3 18.5 27.7

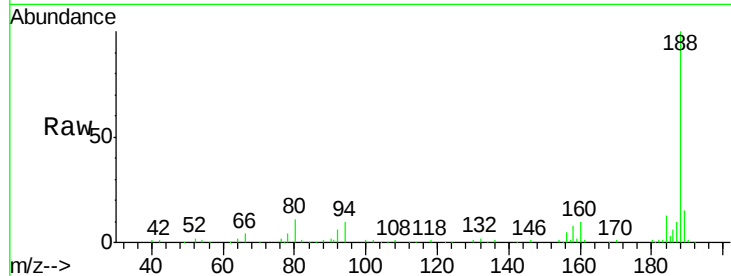




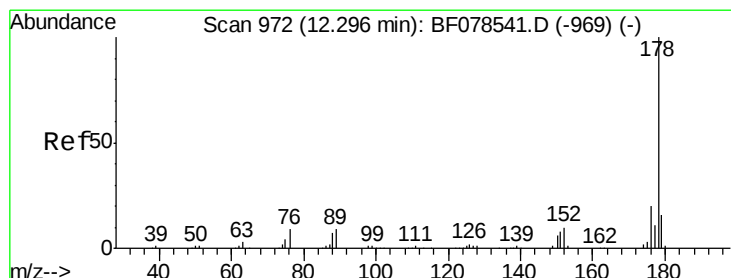
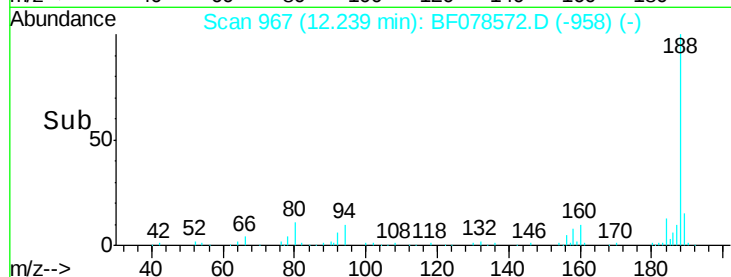
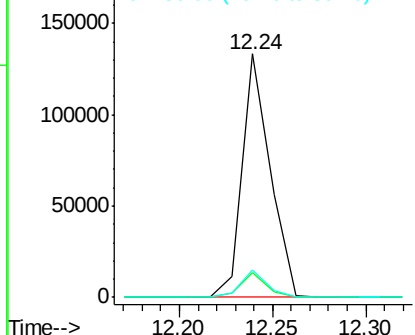
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. -0.00 min
Lab File: BF078572.D
Acq: 16 Apr 2015 18:23

Instrument :
BNA_F
ClientSampleId :
SB-82S

Tgt Ion:188 Resp: 138601
Ion Ratio Lower Upper
188 100
94 10.3 9.0 13.4
80 11.0 9.5 14.3

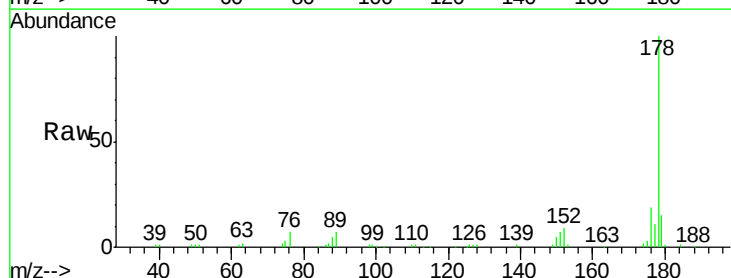


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

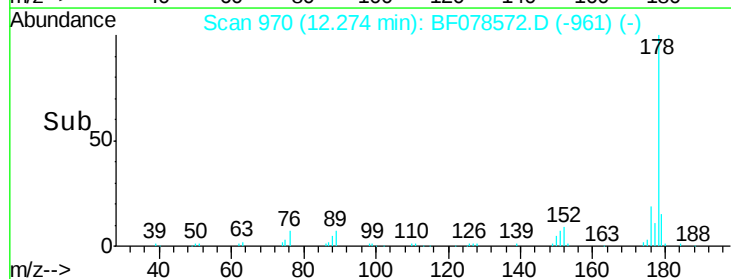
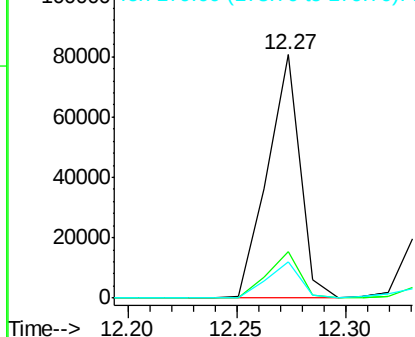


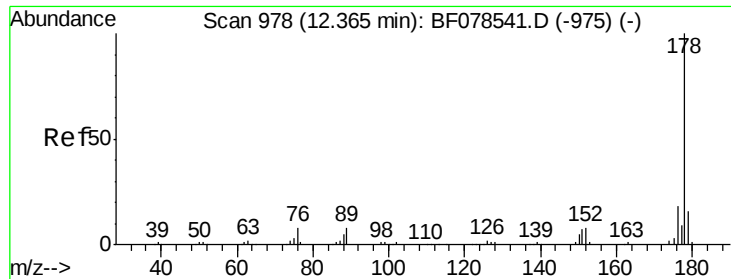
#70
Phenanthrene
Concen: 10.55 ng
RT: 12.27 min Scan# 970
Delta R.T. -0.00 min
Lab File: BF078572.D
Acq: 16 Apr 2015 18:23

Tgt Ion:178 Resp: 84567
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 14.8 12.2 18.2



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: 2.71 ng

RT: 12.33 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

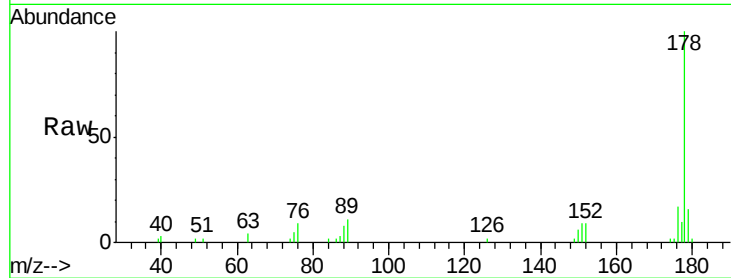
Tgt Ion:178 Resp: 21449

Ion Ratio Lower Upper

178 100

176 16.8 14.8 22.2

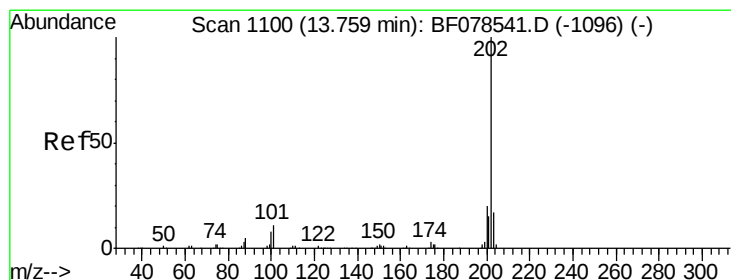
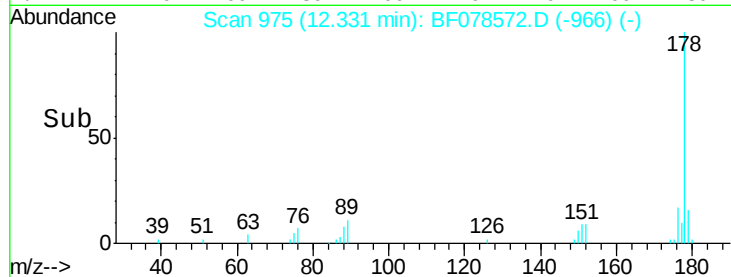
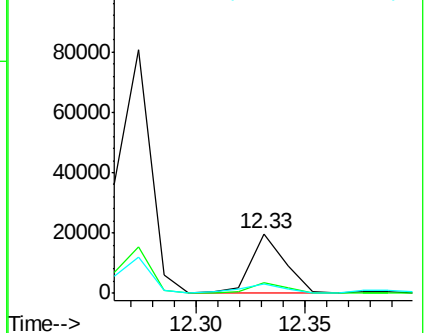
179 15.5 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 17.66 ng

RT: 13.73 min Scan# 1097

Delta R.T. -0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

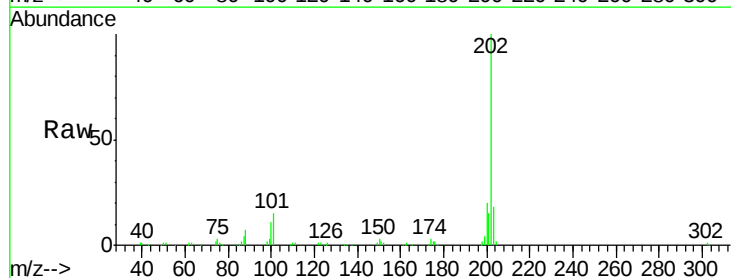
Tgt Ion:202 Resp: 149319

Ion Ratio Lower Upper

202 100

101 15.0 0.0 35.2

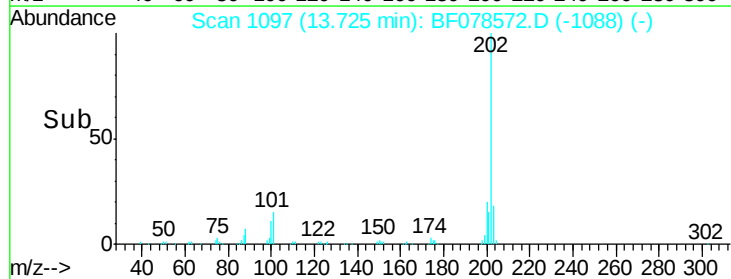
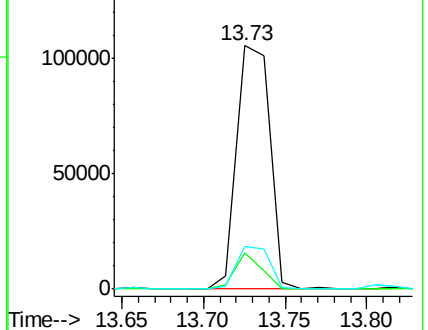
203 17.6 0.0 38.5

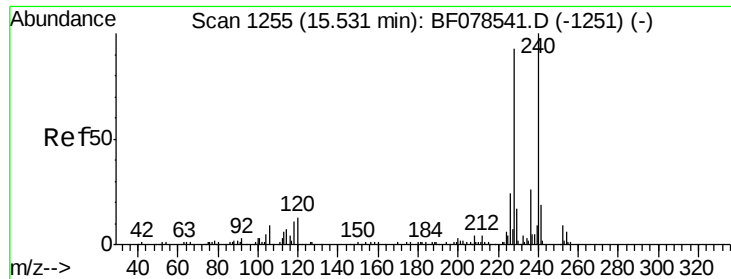


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.50 min Scan# 1252

Delta R.T. 0.01 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

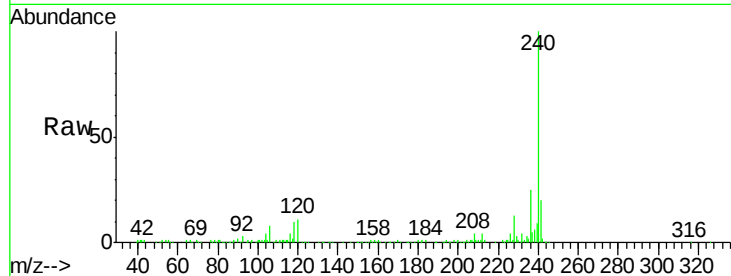
Instrument :

BNA_F

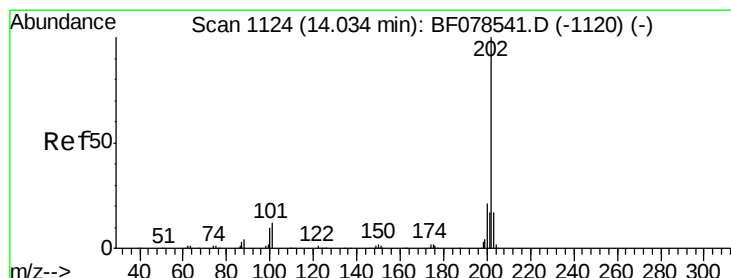
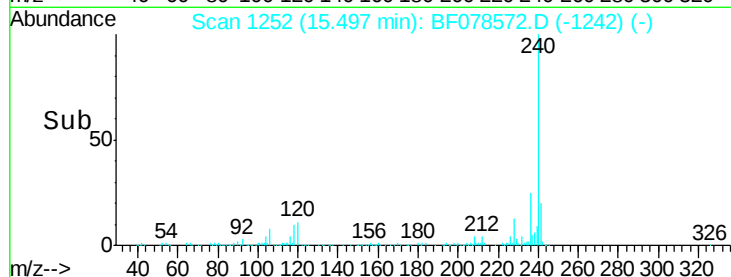
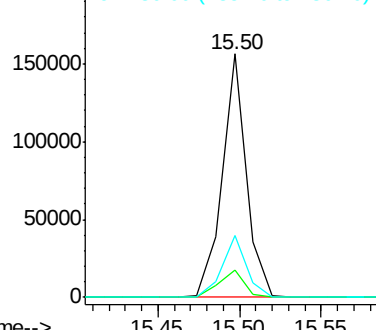
ClientSampleId :

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Tgt Ion:	240	Resp:	160709
Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.1	10.7#
236	25.5	21.4	32.2



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: 13.61 ng

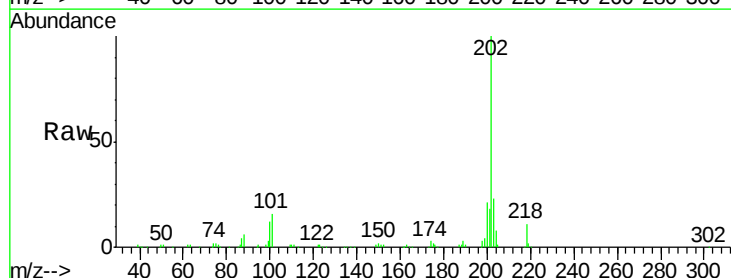
RT: 14.00 min Scan# 1121

Delta R.T. -0.00 min

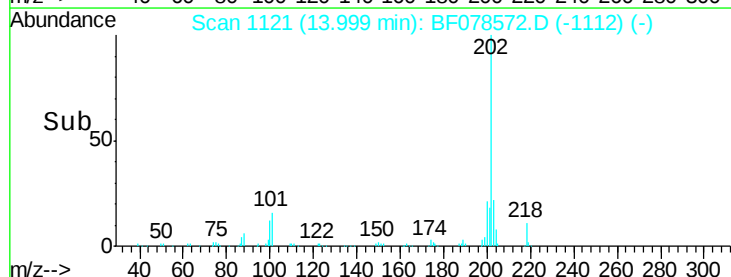
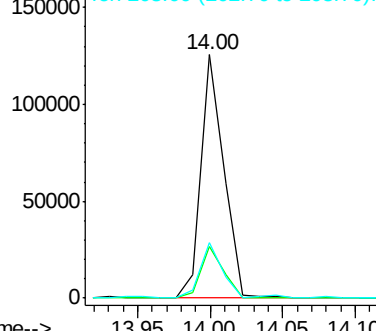
Lab File: BF078572.D

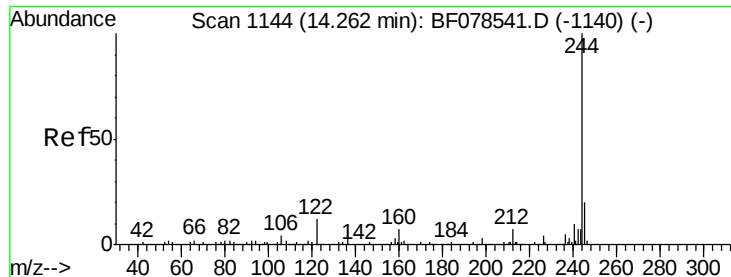
Acq: 16 Apr 2015 18:23

Tgt Ion:	202	Resp:	137355
Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.3	24.5
203	22.7	13.8	20.6#



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: 7.09 ng

RT: 14.23 min Scan# 1141

Delta R.T. 0.00 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

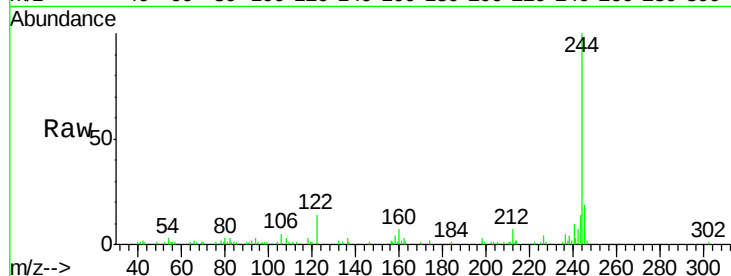
Tgt Ion:244 Resp: 50454

Ion Ratio Lower Upper

244 100

212 6.8 5.0 7.4

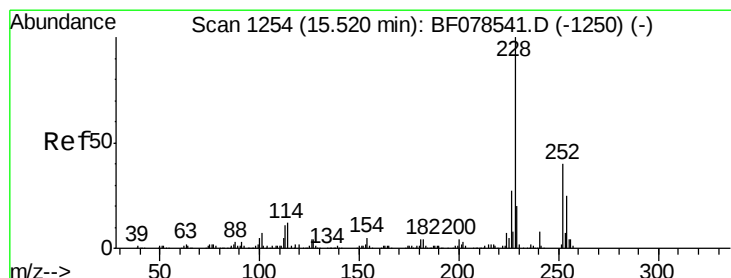
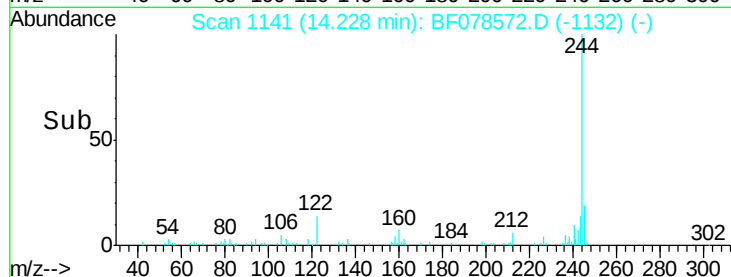
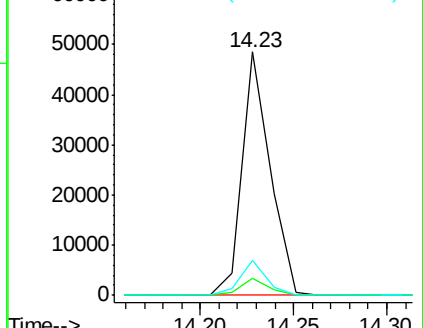
122 14.2 7.1 10.7#



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: 8.73 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

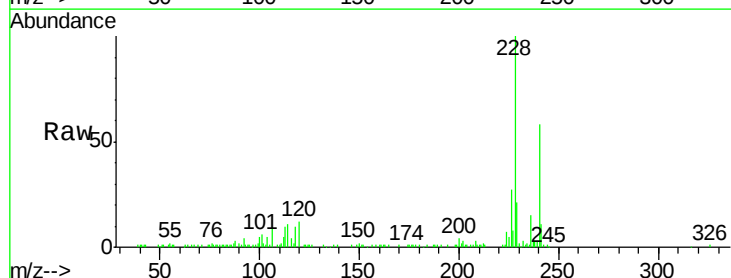
Tgt Ion:228 Resp: 83489

Ion Ratio Lower Upper

228 100

226 27.1 21.3 31.9

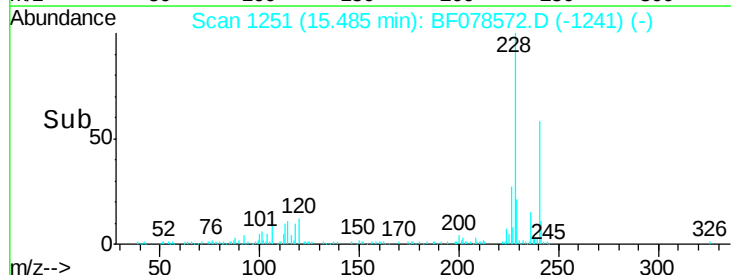
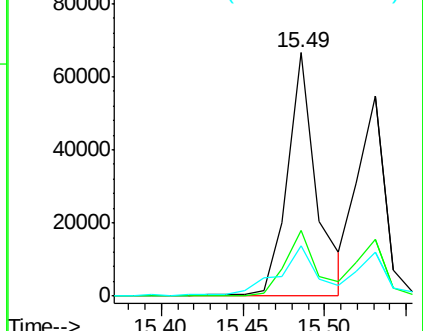
229 20.8 15.4 23.2

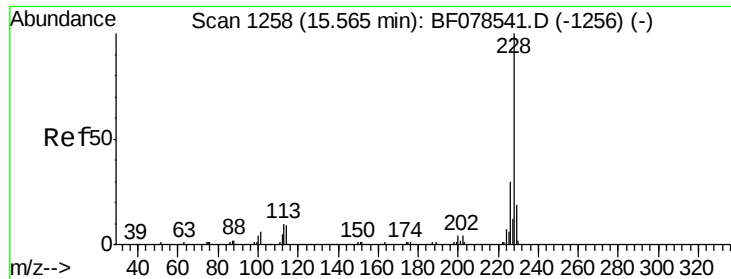


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.07 ng

RT: 15.53 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

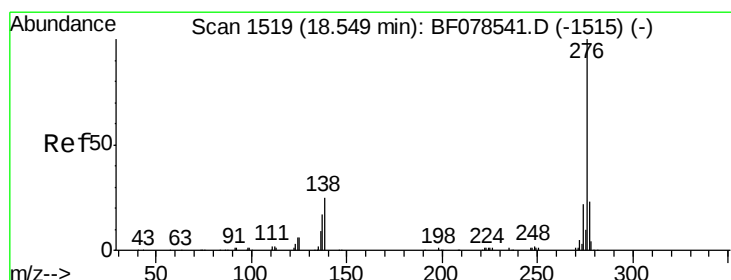
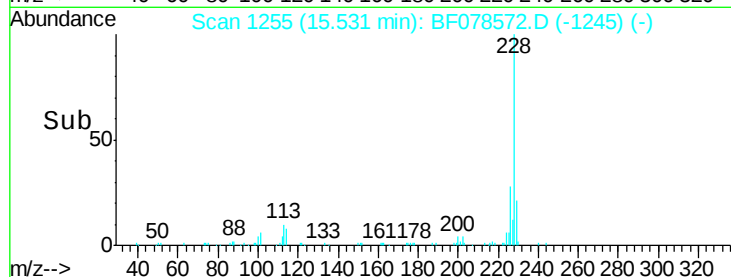
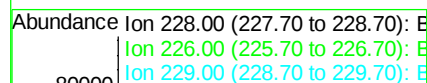
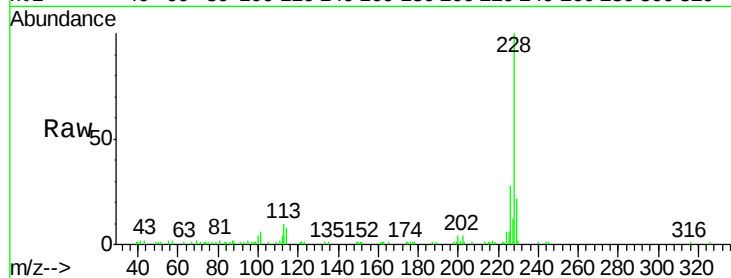
Tgt Ion:228 Resp: 63497

Ion Ratio Lower Upper

228 100

226 28.5 24.2 36.4

229 21.9 15.8 23.8



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.51 ng m

RT: 18.46 min Scan# 1511

Delta R.T. 0.08 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

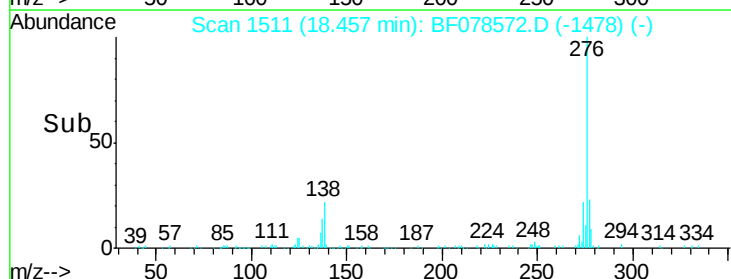
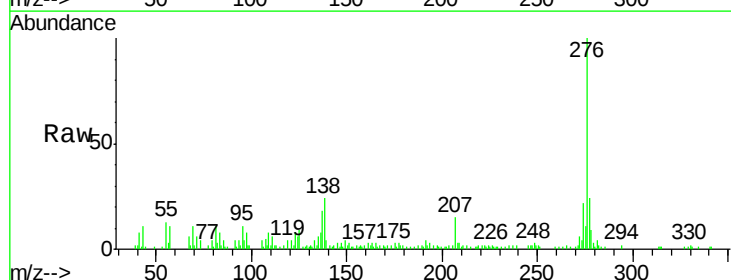
Tgt Ion:276 Resp: 46008

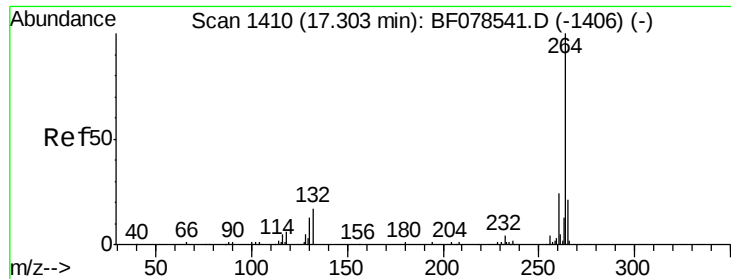
Ion Ratio Lower Upper

276 100

138 5.8 16.9 25.3#

277 4.5 15.8 23.6#

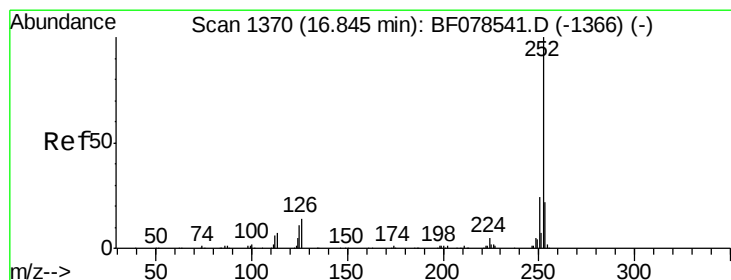
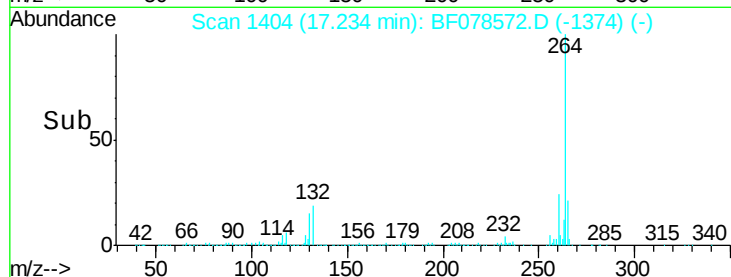
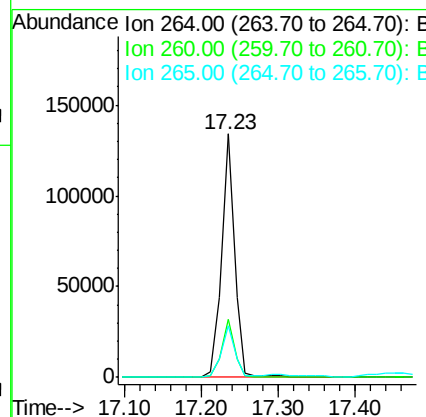
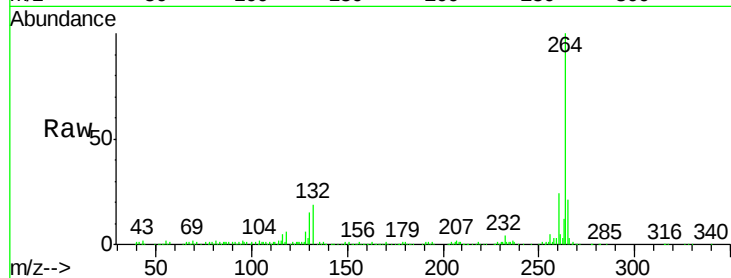




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.23 min Scan# 1404
Delta R.T. 0.05 min
Lab File: BF078572.D
Acq: 16 Apr 2015 18:23

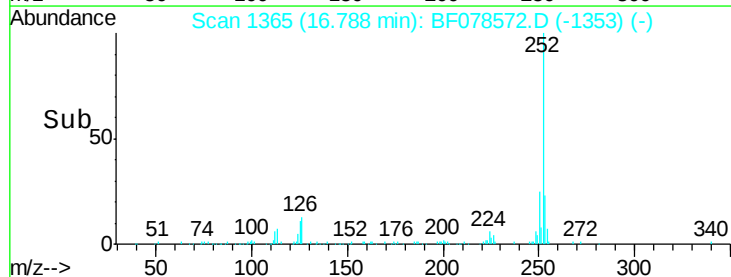
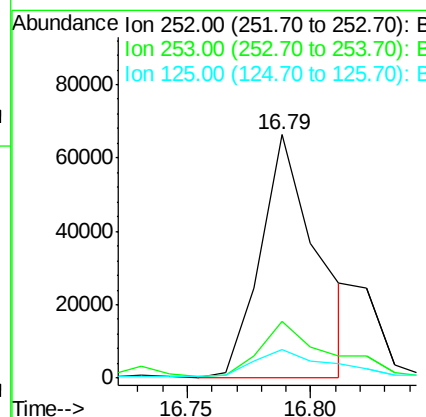
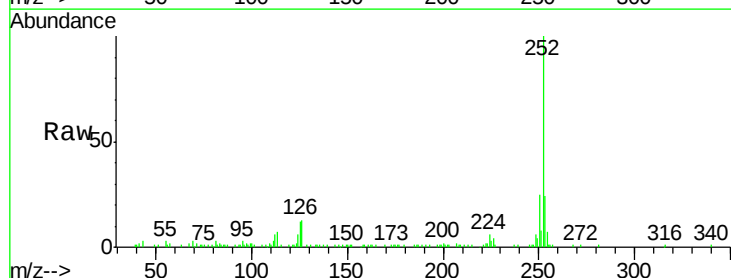
Instrument :
BNA_F
ClientSampleId :
SB-82S

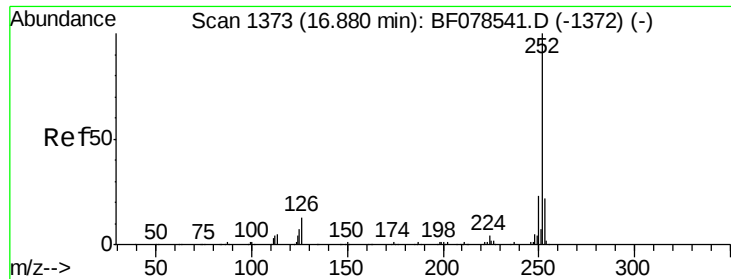
Tgt Ion:264 Resp: 159643
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.3 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 10.79 ng m
RT: 16.79 min Scan# 1365
Delta R.T. 0.03 min
Lab File: BF078572.D
Acq: 16 Apr 2015 18:23

Tgt Ion:252 Resp: 106424
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 12.0 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 2.28 ng m

RT: 16.81 min Scan# 1367

Delta R.T. 0.02 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

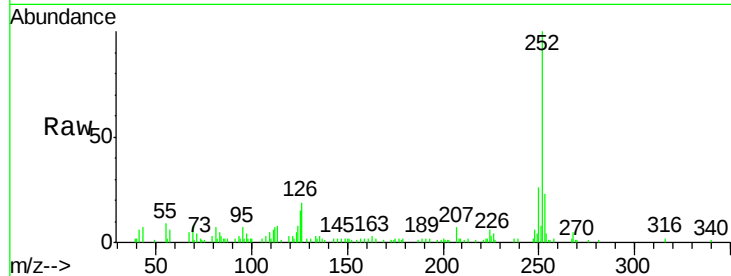
Tgt Ion:252 Resp: 19998

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

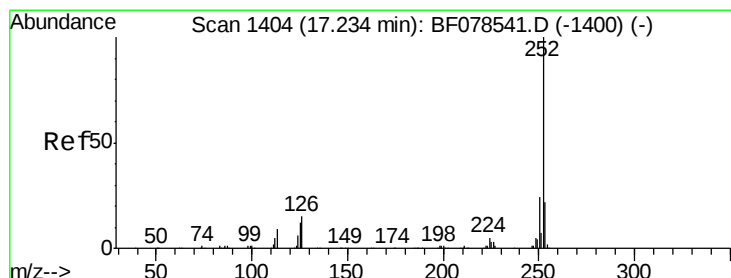
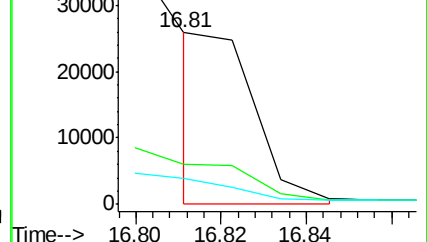
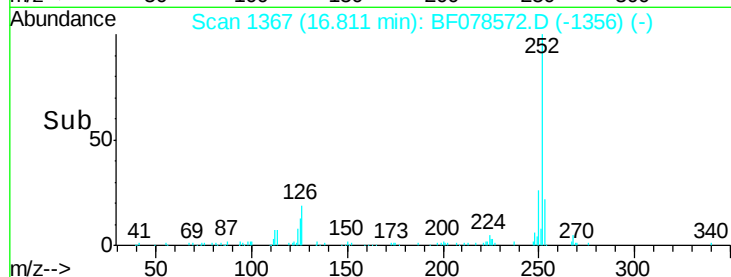
125 15.0 11.6 17.4



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: 8.03 ng

RT: 17.17 min Scan# 1398

Delta R.T. 0.03 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

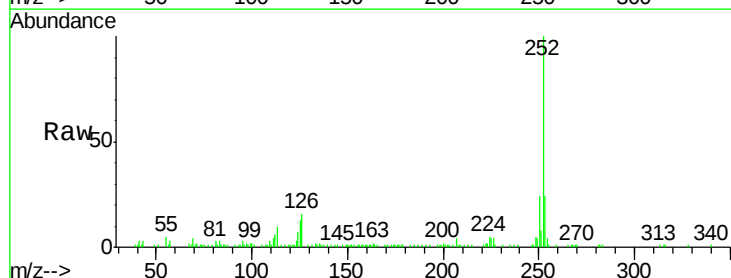
Tgt Ion:252 Resp: 69121

Ion Ratio Lower Upper

252 100

253 24.3 16.8 25.2

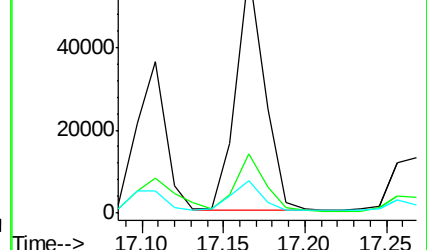
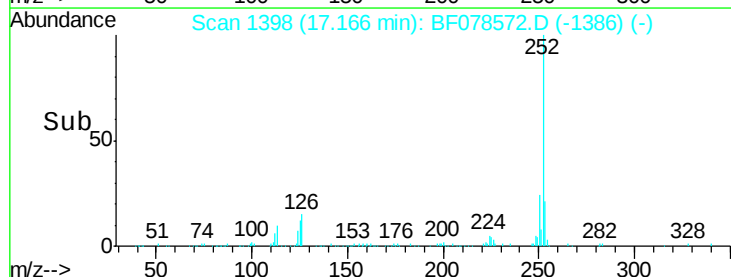
125 13.3 7.4 11.0#

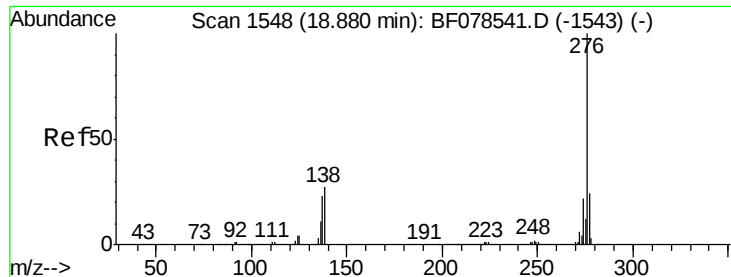


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 5.07 ng m

RT: 18.79 min Scan# 1540

Delta R.T. 0.08 min

Lab File: BF078572.D

Acq: 16 Apr 2015 18:23

Instrument :

BNA_F

ClientSampleId :

SB-82S

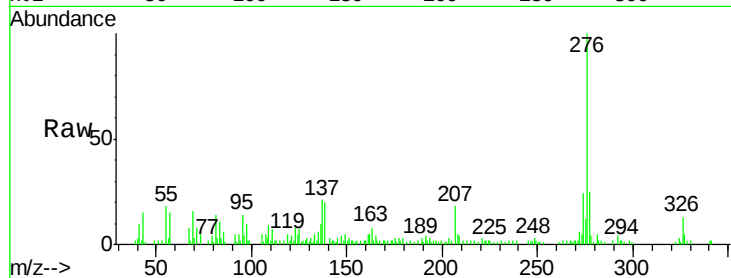
Tgt Ion: 276 Resp: 43863

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.4

138 20.3 19.9 29.9



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

