

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101270.D
 Acq On : 9 Dec 2017 8:24
 Operator : SJ/JU
 Sample : I6744-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PROS-3-E(0-1)

Quant Time: Dec 11 14:38:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

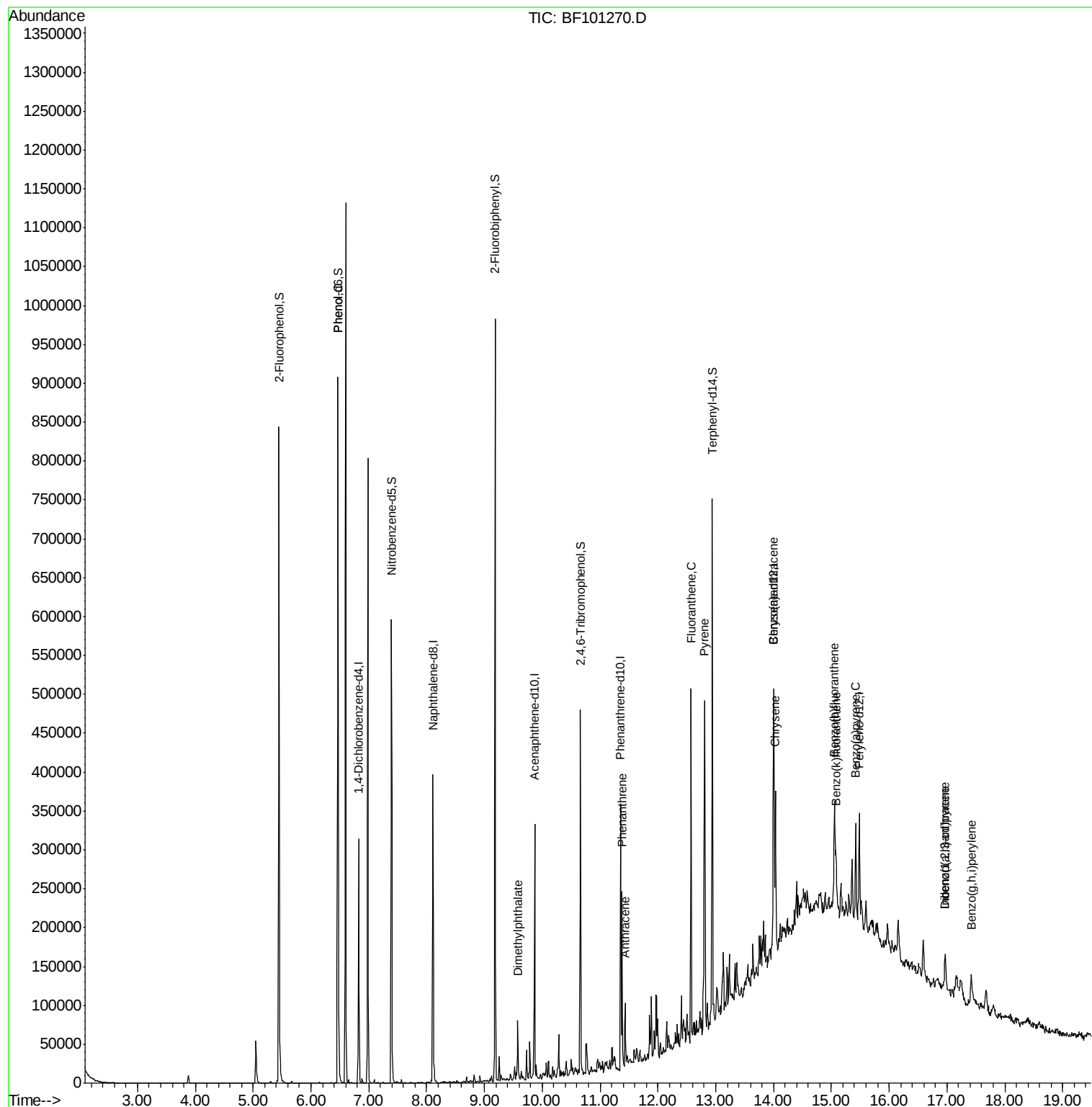
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	44401	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	161971	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	66265	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	109487	20.00	ng	0.00
75) Chrysene-d12	14.01	240	88357	20.00	ng	0.00
86) Perylene-d12	15.49	264	66099	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	255757	95.18	ng	0.00
7) Phenol-d6	6.47	99	321234	98.47	ng	0.00
23) Nitrobenzene-d5	7.39	82	178727	65.82	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	55040	69.14	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	311866	64.39	ng	0.00
78) Terphenyl-d14	12.94	244	232311	57.51	ng	0.00
Target Compounds						
10) Phenol	6.47	94	11370	3.134	ng	Qvalue # 69
49) Dimethylphthalate	9.58	163	25084	4.694	ng	98
70) Phenanthrene	11.38	178	78710	13.054	ng	97
71) Anthracene	11.43	178	28707	4.704	ng	98
74) Fluoranthene	12.57	202	167459	25.056	ng	96
77) Pyrene	12.81	202	183693	30.129	ng	99
80) Benzo(a)anthracene	14.00	228	86535m	15.512	ng	
82) Chrysene	14.03	228	82707m	15.963	ng	
85) Indeno(1,2,3-cd)pyrene	16.97	276	28179	6.118	ng	# 90
87) Benzo(b)fluoranthene	15.05	252	75222m	19.000	ng	
88) Benzo(k)fluoranthene	15.08	252	29555m	7.577	ng	
89) Benzo(a)pyrene	15.42	252	53439	14.847	ng	98
90) Dibenzo(a,h)anthracene	16.96	278	7945m	2.504	ng	
91) Benzo(g,h,i)perylene	17.42	276	28489	9.527	ng	# 87

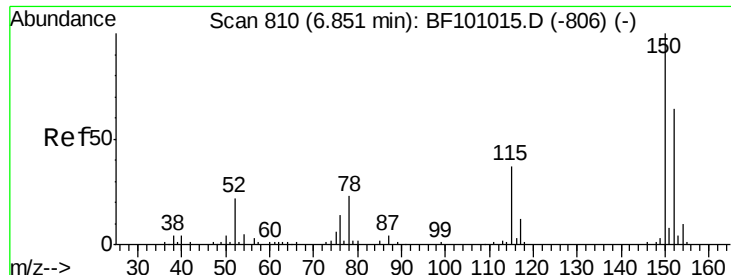
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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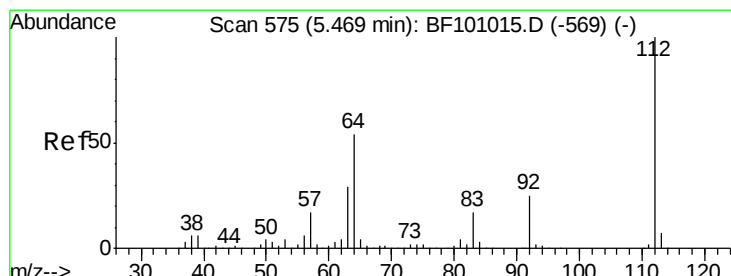
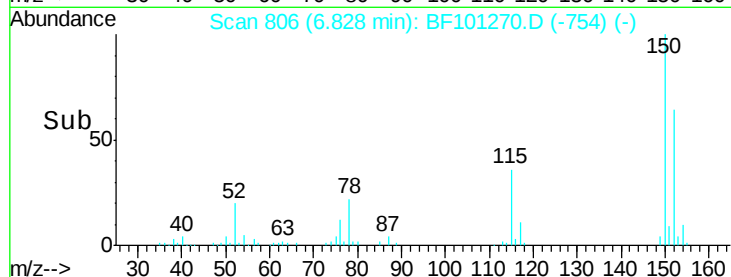
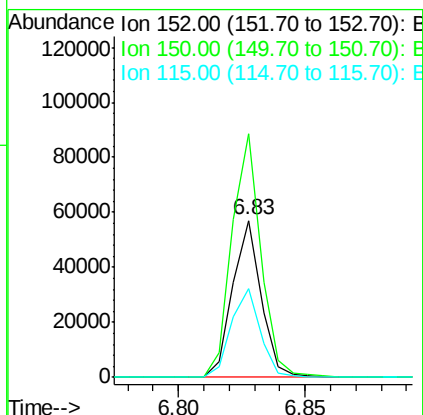
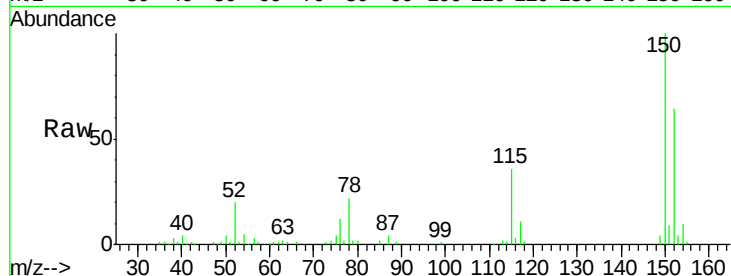


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Instrument :
BNA_F
ClientSampleId :
PROS-3-E(0-1)

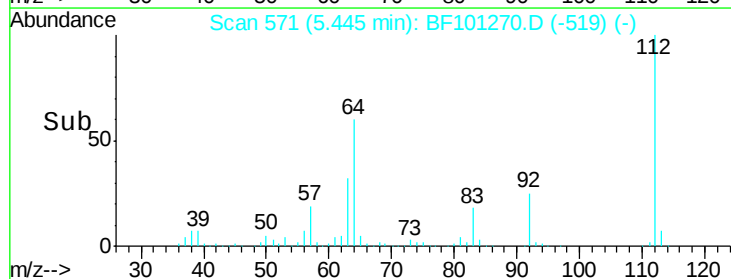
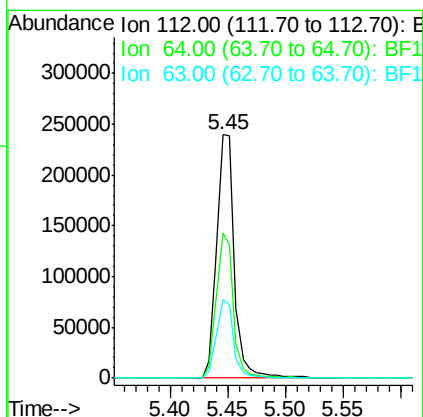
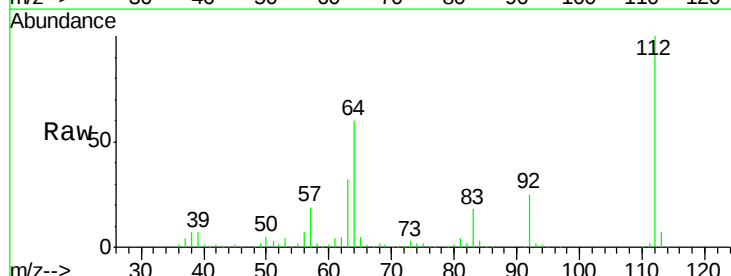
Tot Ion:152 Resp: 44401
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 56.2 50.1 75.1



#5

2-Fluorophenol
Concen: 95.183 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion:112 Resp: 255757
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 32.0 23.7 35.5





#7

Phenol-d6

Concen: 98.470 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :

PROS-3-E(0-1)

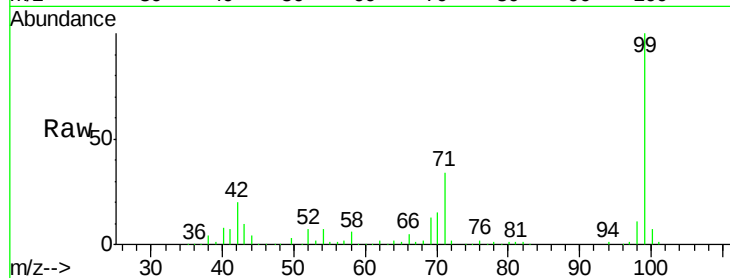
Tot Ion: 99 Resp: 321234

Ion Ratio Lower Upper

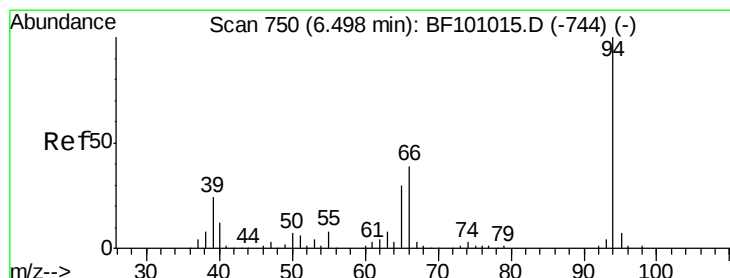
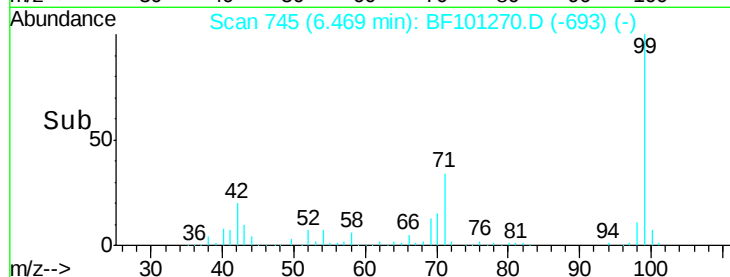
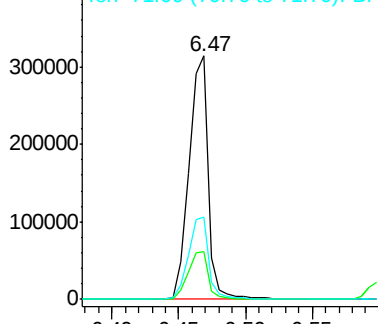
99 100

42 19.6 14.5 21.7

71 33.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.134 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

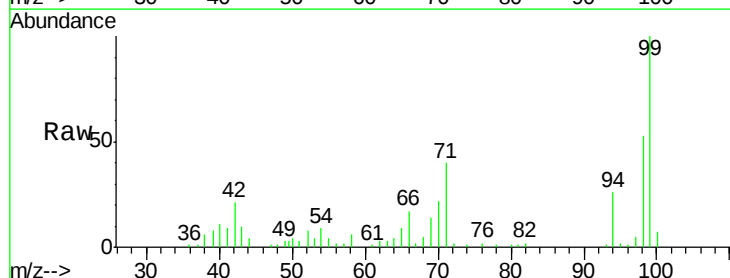
Tgt Ion: 94 Resp: 11370

Ion Ratio Lower Upper

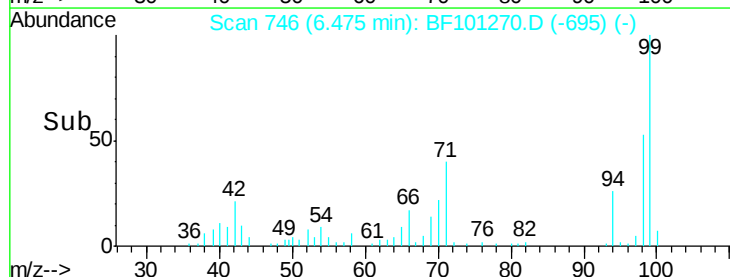
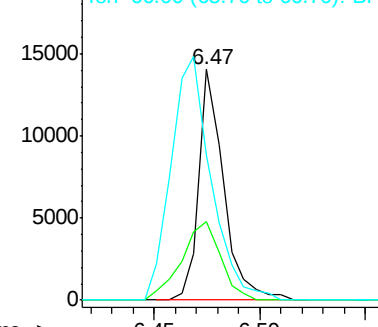
94 100

65 34.1 7.9 47.9

66 63.1 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

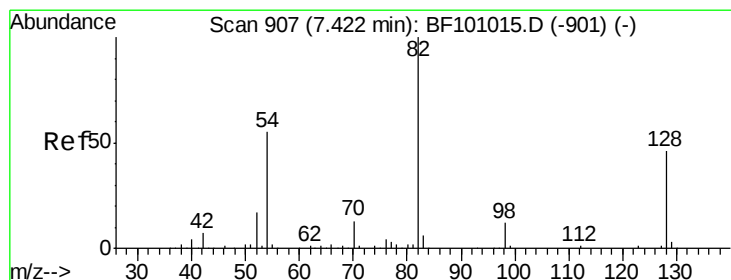
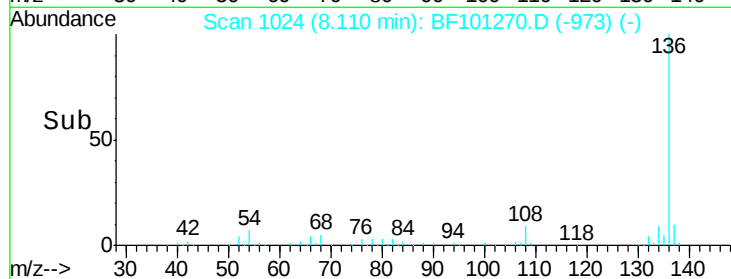
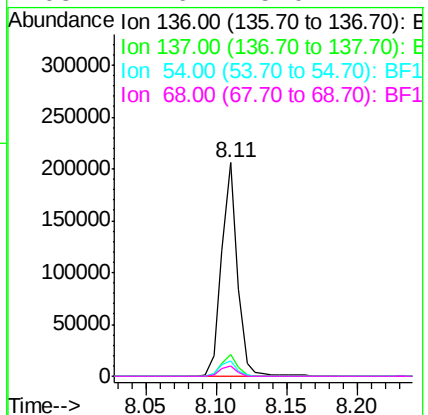
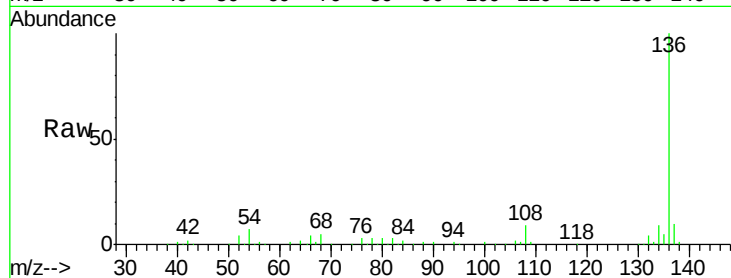




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

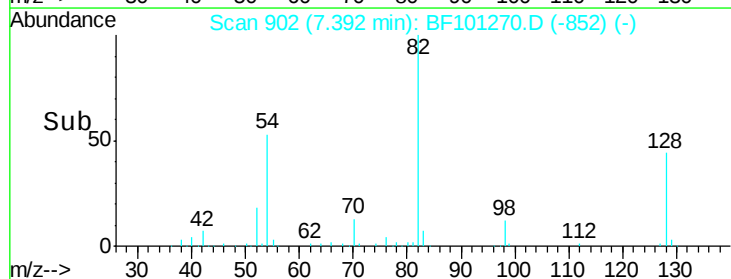
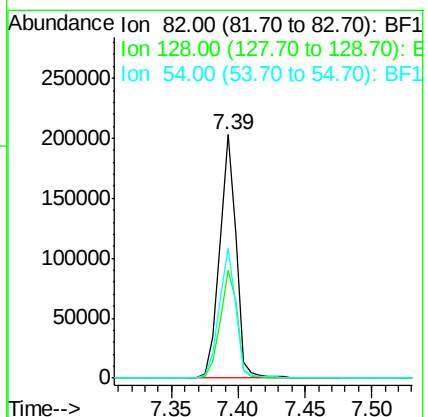
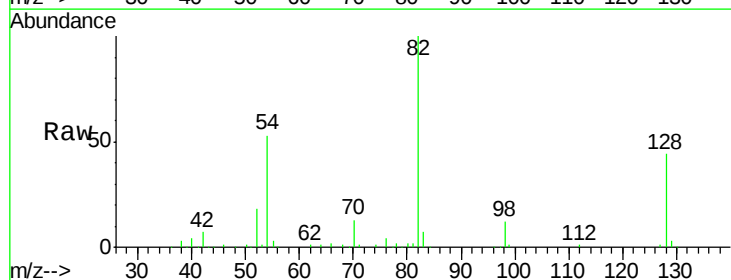
Instrument :
BNA_F
ClientSampleId :
PROS-3-E(0-1)

Tot Ion:136	Resp:	161971
Ion Ratio	Lower	Upper
136	100	
137	10.3	8.9 13.3
54	7.2	6.6 9.8
68	4.6	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 65.824 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion: 82	Resp:	178727
Ion Ratio	Lower	Upper
82	100	
128	44.1	36.1 54.1
54	53.1	41.4 62.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :

PROS-3-E(0-1)

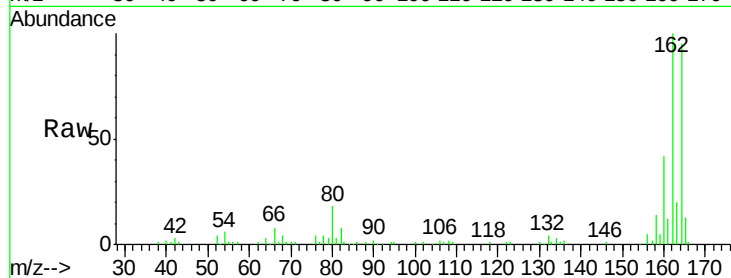
Tot Ion:164 Resp: 66265

Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

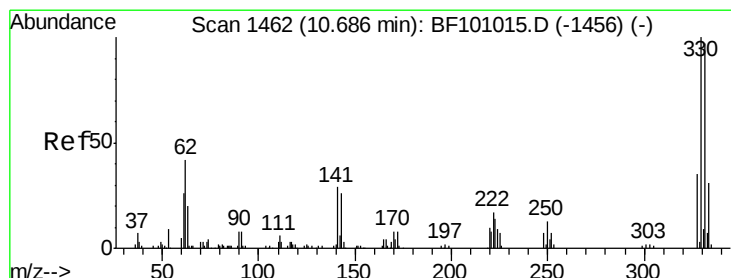
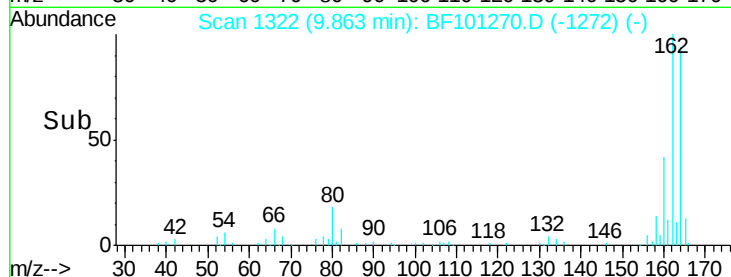
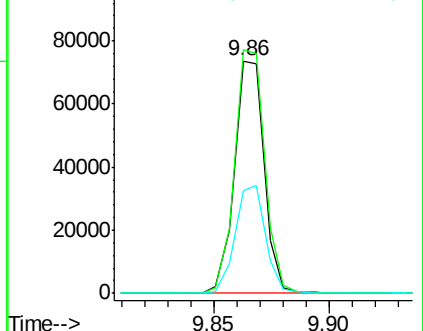
160 44.4 38.3 57.5



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: 69.143 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.00 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

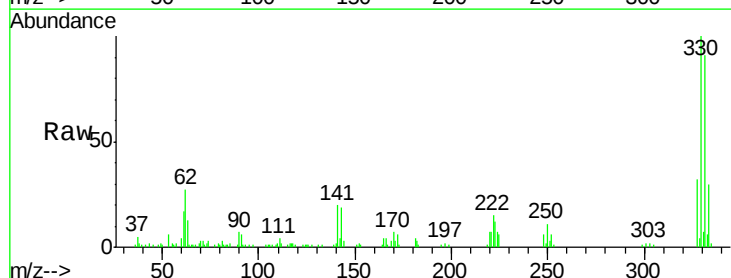
Tgt Ion:330 Resp: 55040

Ion Ratio Lower Upper

330 100

332 93.8 77.0 115.6

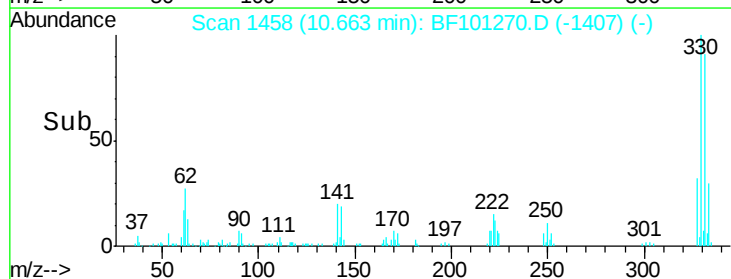
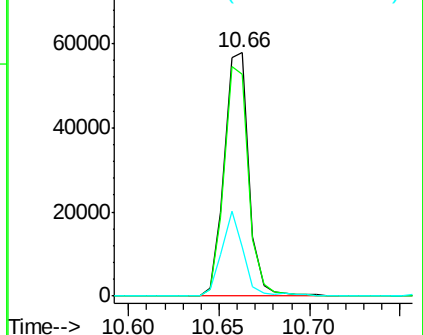
141 31.0 29.9 44.9



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

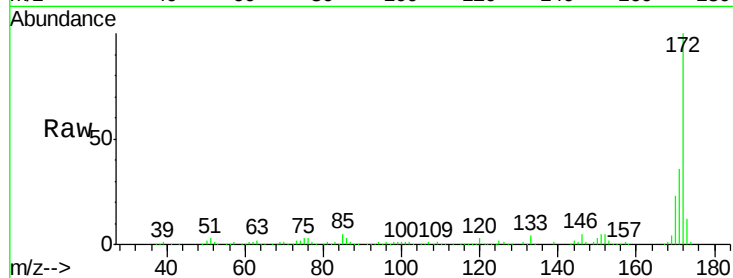




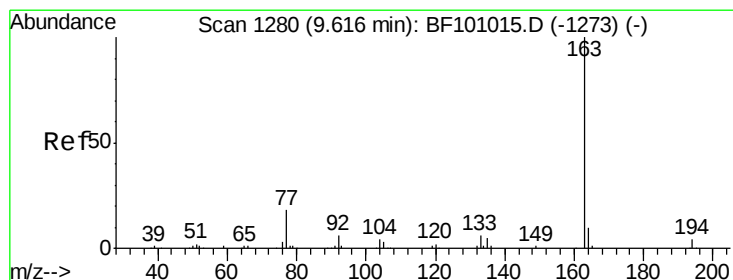
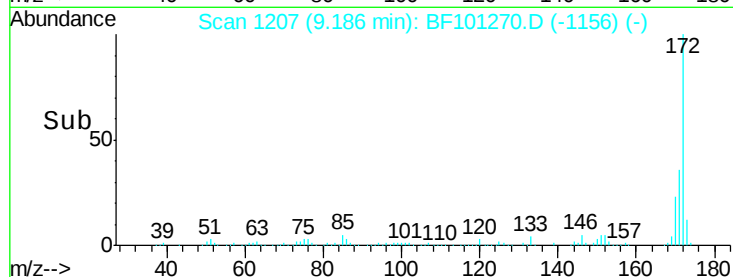
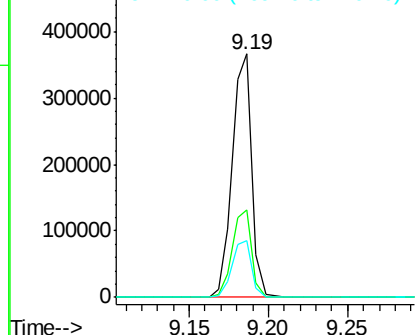
#44
2-Fluorobiphenyl
Concen: 64.392 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Instrument :
BNA_F
ClientSampleId :
PROS-3-E(0-1)

Tot Ion:172 Resp: 311866
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.4 19.6 29.4

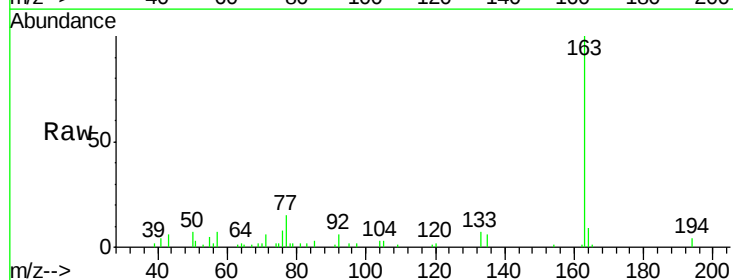


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

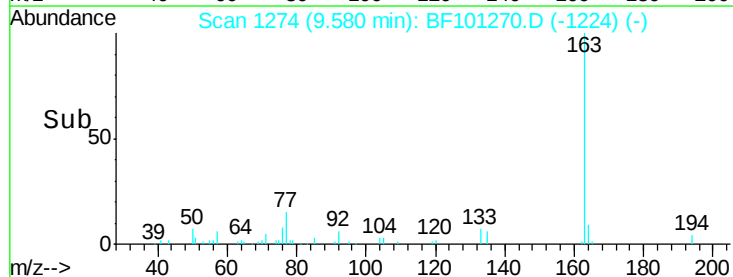
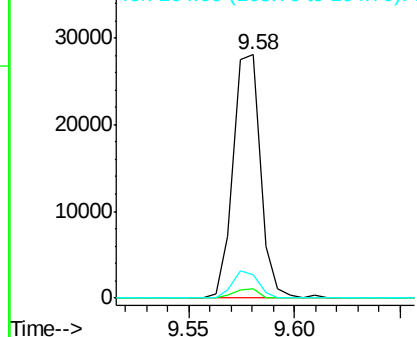


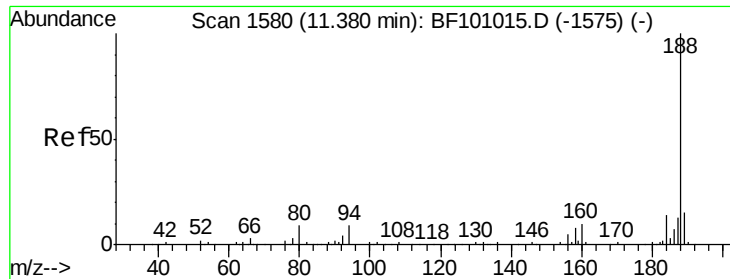
#49
Dimethylphthalate
Concen: 4.694 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion:163 Resp: 25084
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

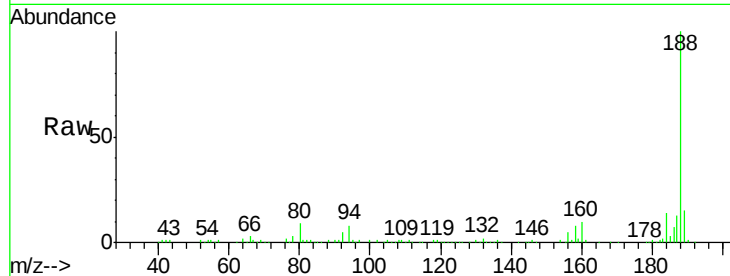




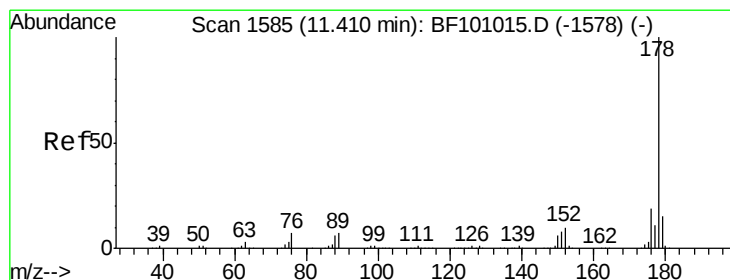
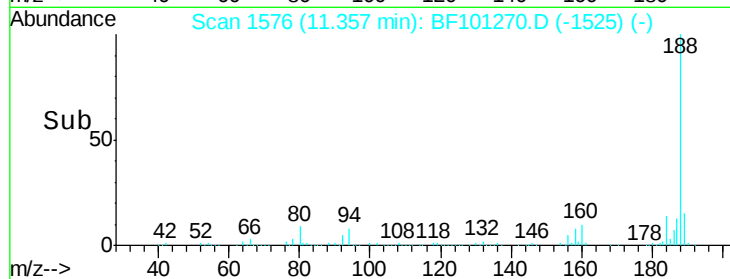
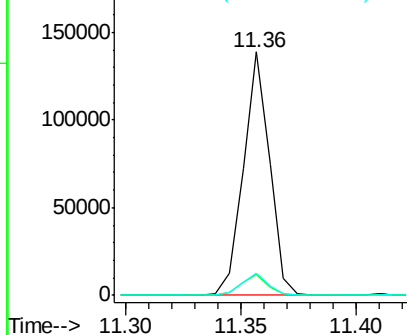
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Instrument :
BNA_F
ClientSampleId :
PROS-3-E(0-1)

Tot Ion:188 Resp: 109487
Ion Ratio Lower Upper
188 100
94 8.4 8.5 12.7#
80 9.0 9.2 13.8#

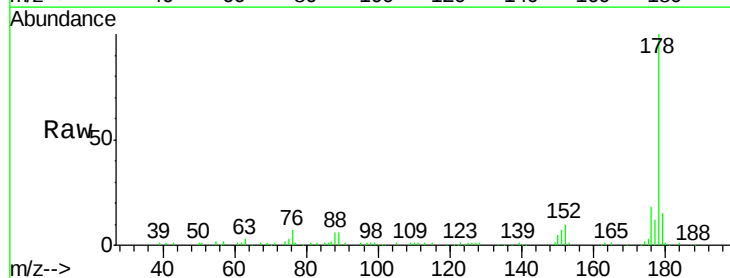


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

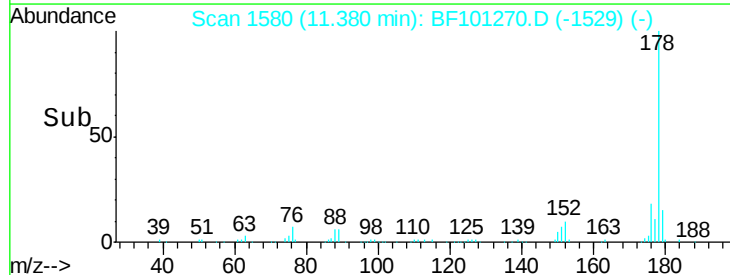
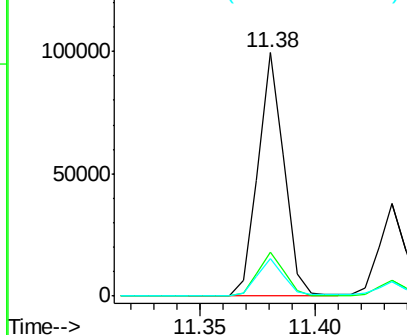


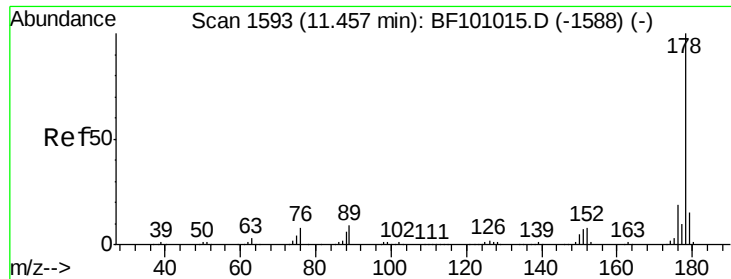
#70
Phenanthrene
Concen: 13.054 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion:178 Resp: 78710
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.8
179 15.3 13.0 19.6



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

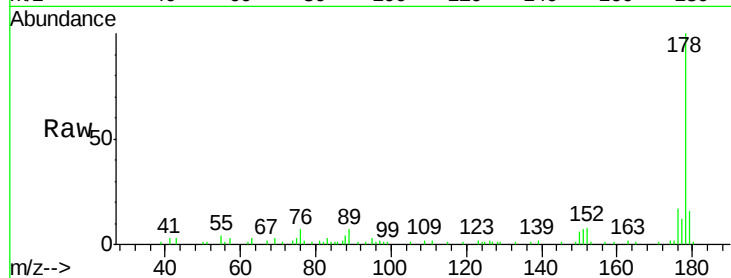




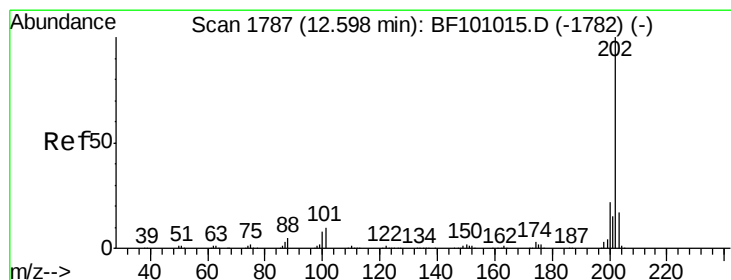
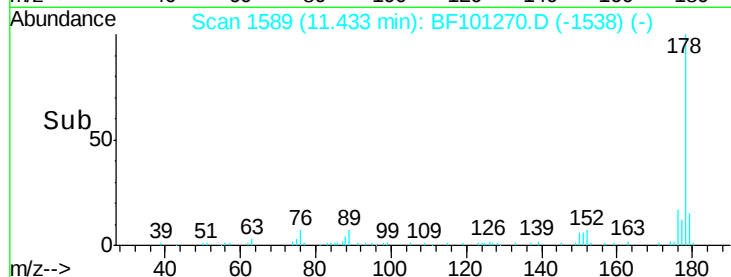
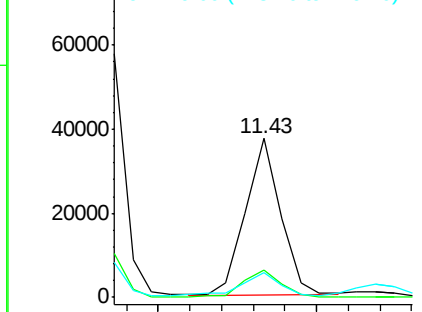
#71
 Anthracene
 Concen: 4.704 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BF101270.D
 Acq: 9 Dec 2017 8:24

Instrument :
 BNA_F
 ClientSampleId :
 PROS-3-E(0-1)

Tot Ion:178 Resp: 28707
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.4 23.2
 179 15.7 12.6 19.0

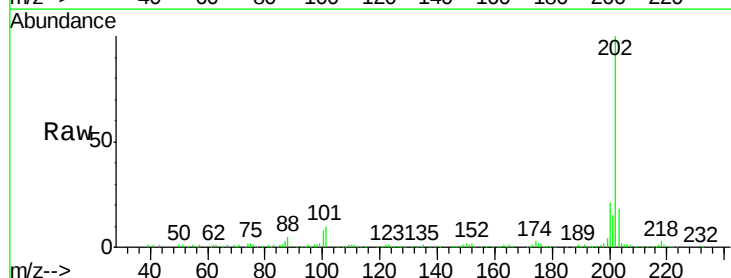


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

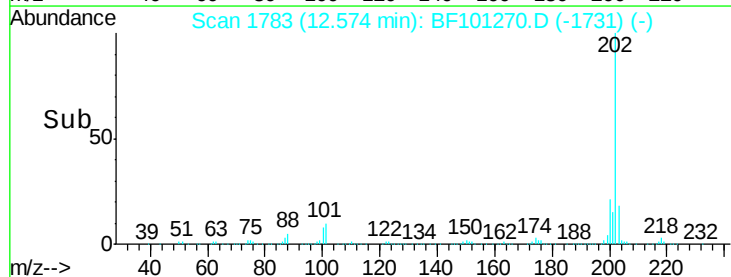
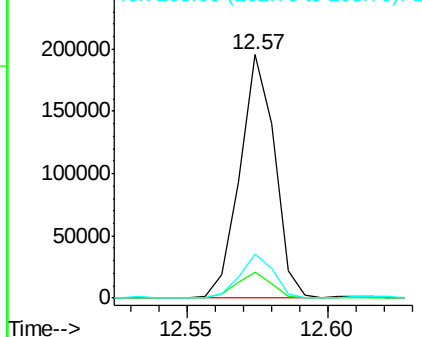


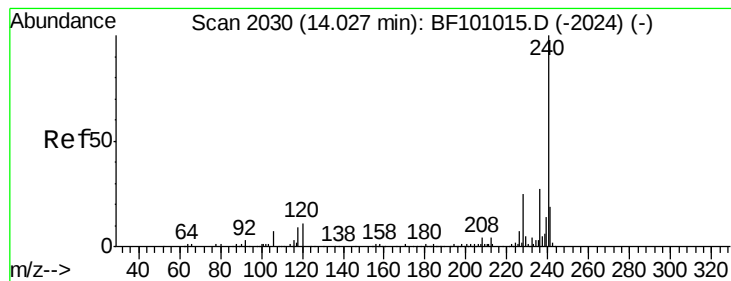
#74
 Fluoranthene
 Concen: 25.056 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101270.D
 Acq: 9 Dec 2017 8:24

Tgt Ion:202 Resp: 167459
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 34.1
 203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :

PROS-3-E(0-1)

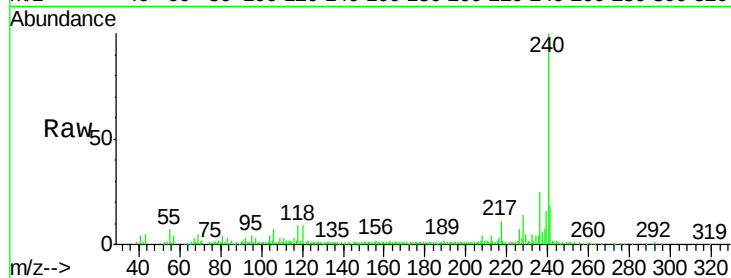
Tot Ion:240 Resp: 88357

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

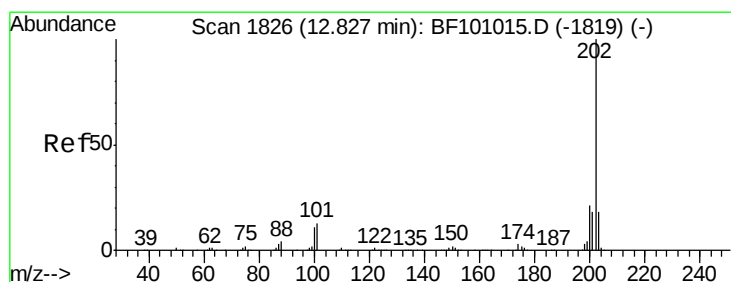
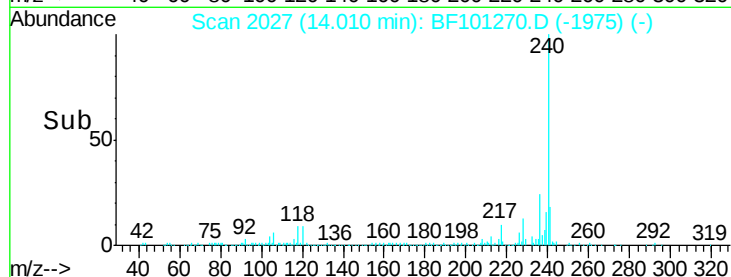
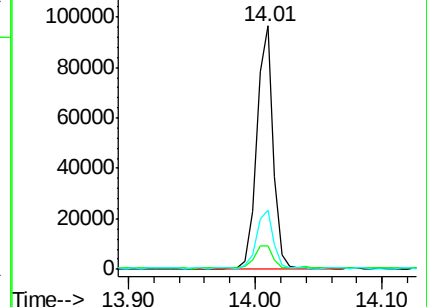
236 24.5 20.7 31.1



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: 30.129 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

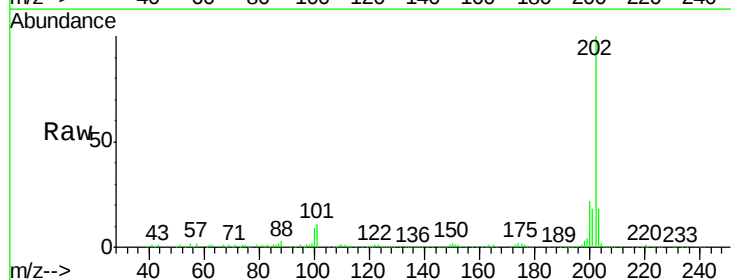
Tgt Ion:202 Resp: 183693

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

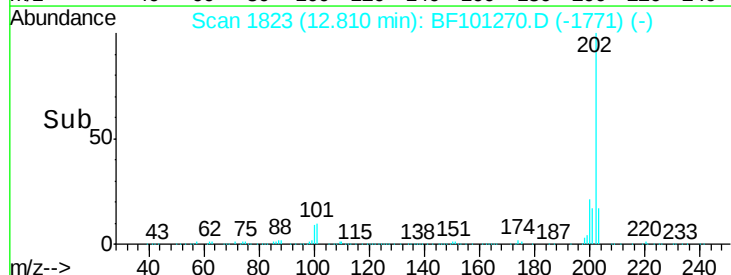
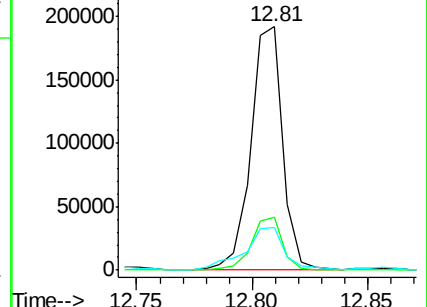
203 17.6 14.3 21.5

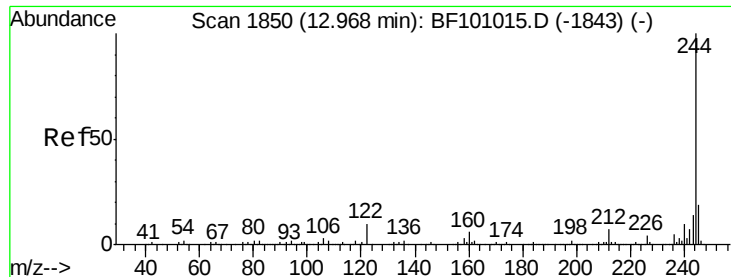


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

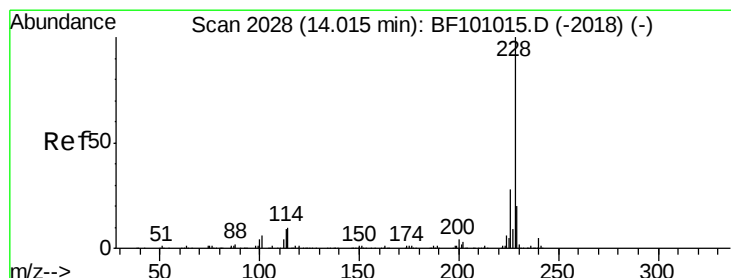
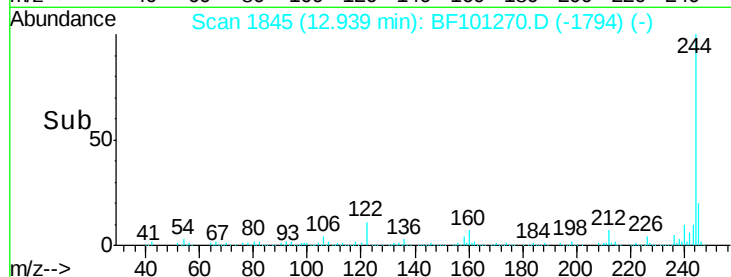
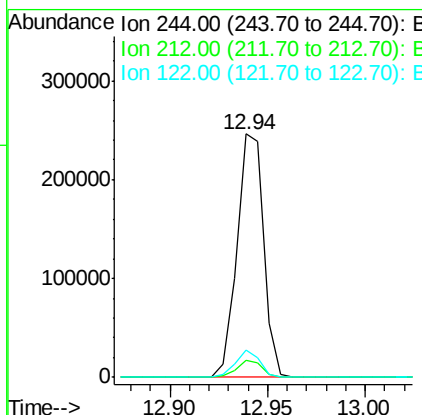
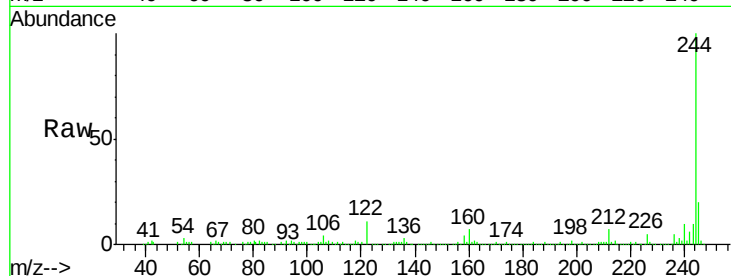




#78
 Terphenyl-d14
 Concen: 57.508 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BF101270.D
 Acq: 9 Dec 2017 8:24

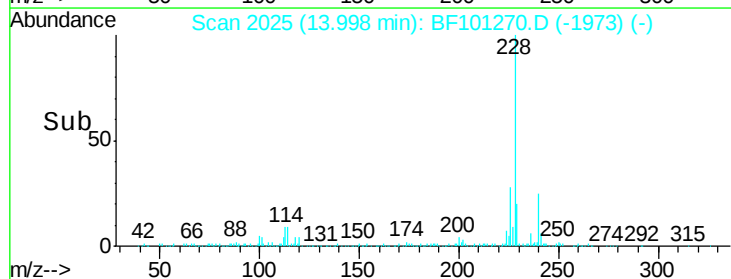
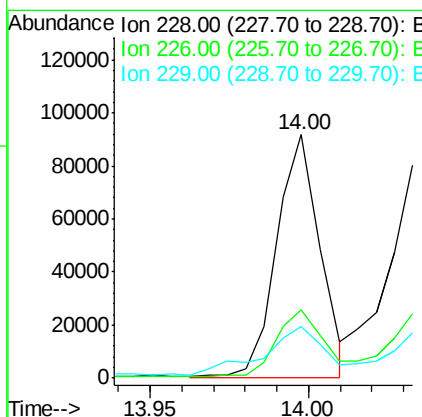
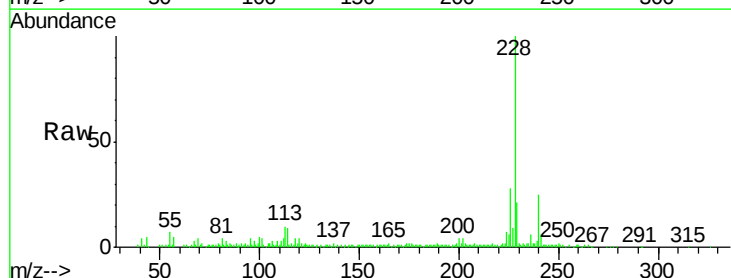
Instrument :
 BNA_F
 ClientSampleId :
 PROS-3-E(0-1)

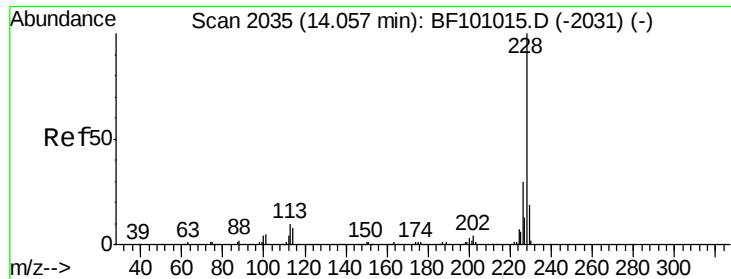
Tot Ion:244 Resp: 232311
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 15.512 ng m
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF101270.D
 Acq: 9 Dec 2017 8:24

Tgt Ion:228 Resp: 86535
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 33.8
 229 21.1 15.8 23.6





#82

Chrysene

Concen: 15.963 ng/mL

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :

PROS-3-E(0-1)

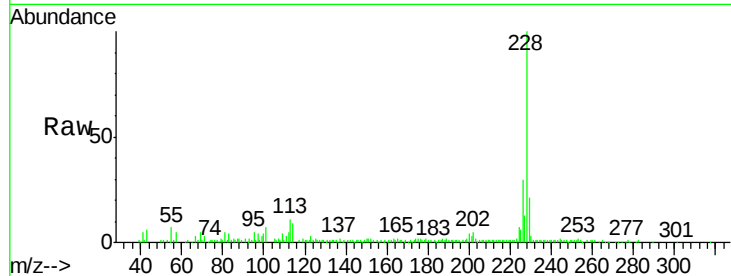
Tot Ion:228 Resp: 82707

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

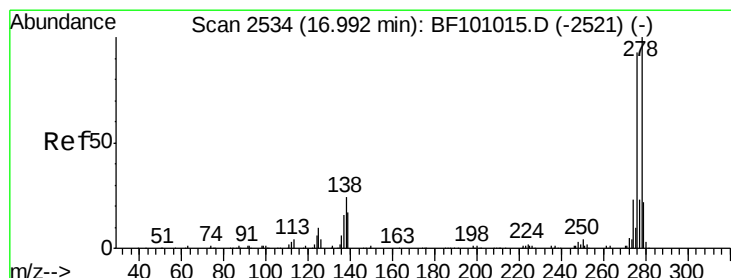
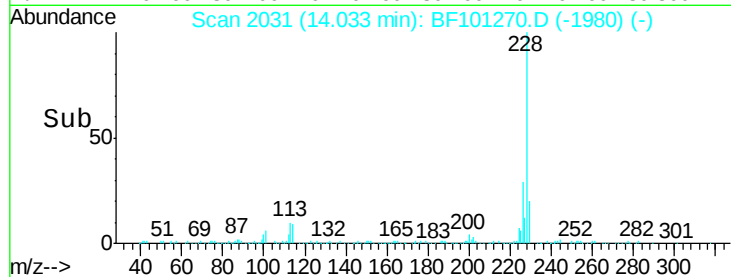
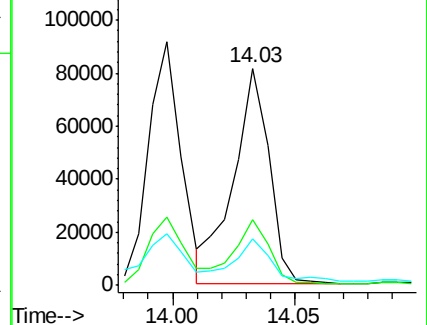
229 21.2 16.2 24.4



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: 6.118 ng/mL

RT: 16.97 min Scan# 2530

Delta R.T. 0.02 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

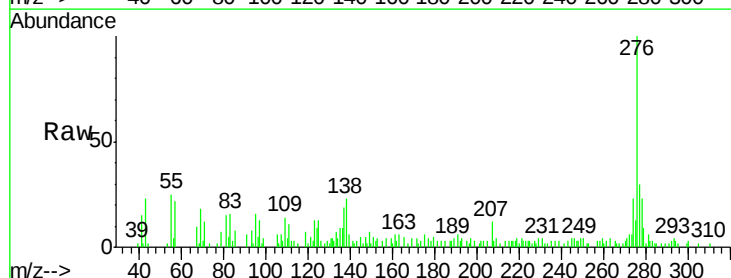
Tgt Ion:276 Resp: 28179

Ion Ratio Lower Upper

276 100

138 21.5 25.0 37.6#

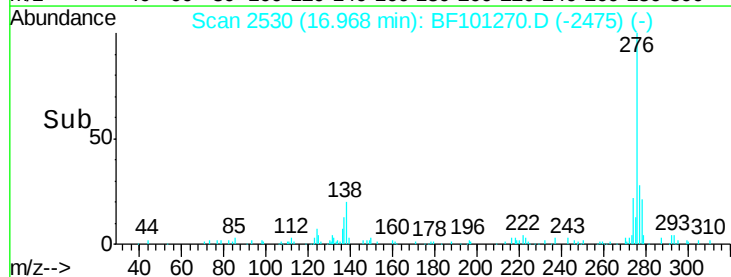
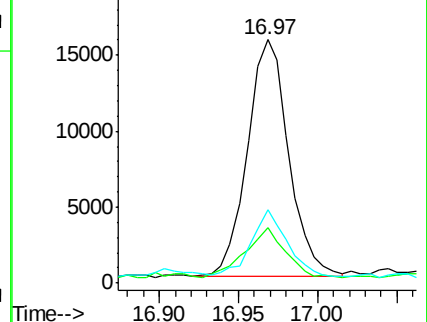
277 24.4 20.1 30.1

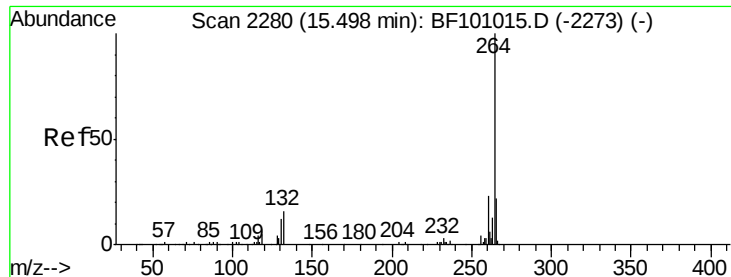


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.02 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :

PROS-3-E(0-1)

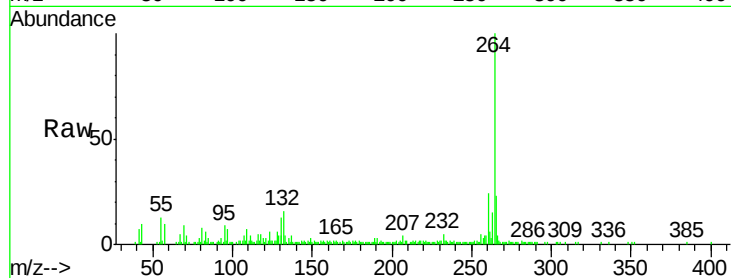
Tot Ion:264 Resp: 66099

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

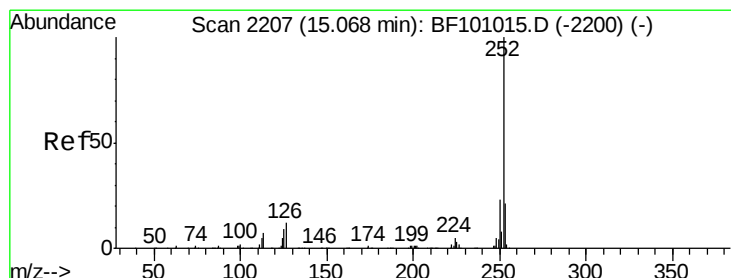
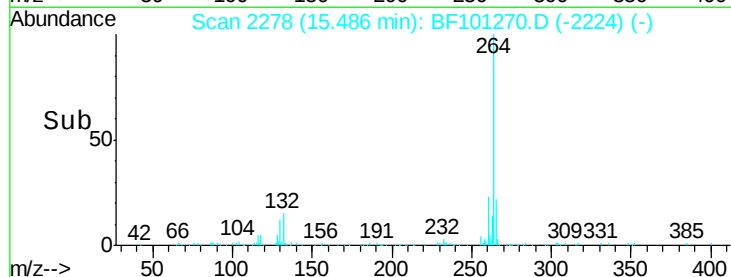
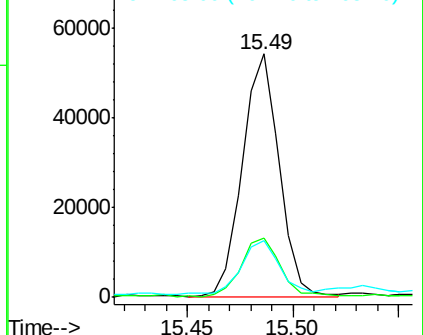
265 23.2 17.5 26.3



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: 19.000 ng m

RT: 15.05 min Scan# 2204

Delta R.T. 0.01 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

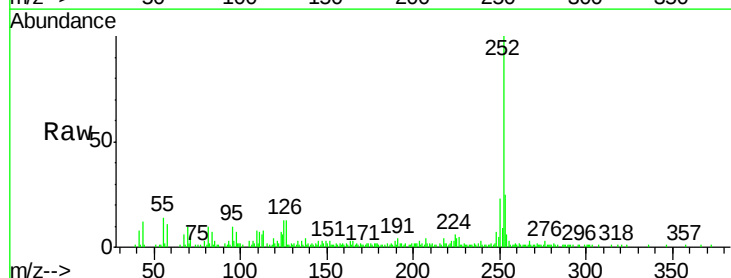
Tgt Ion:252 Resp: 75222

Ion Ratio Lower Upper

252 100

253 25.2 17.0 25.6

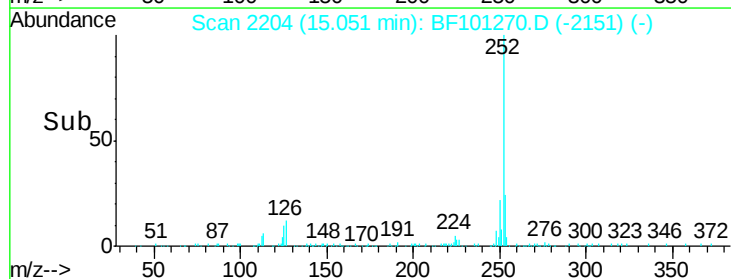
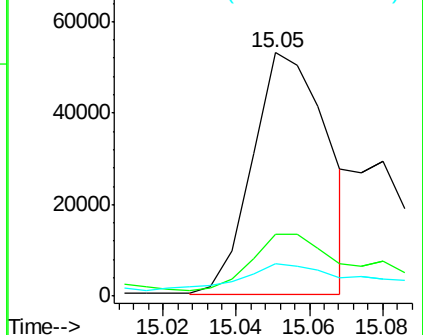
125 13.1 9.0 13.6

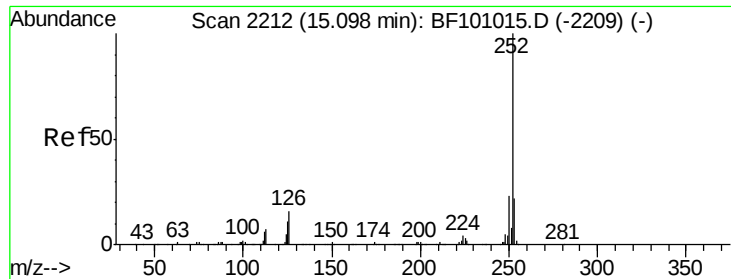


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

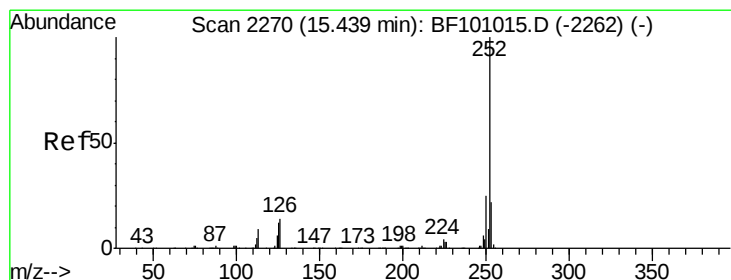
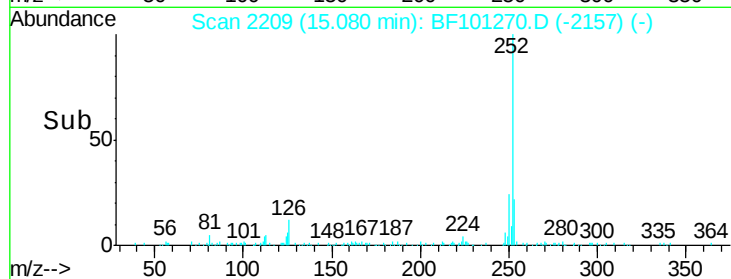
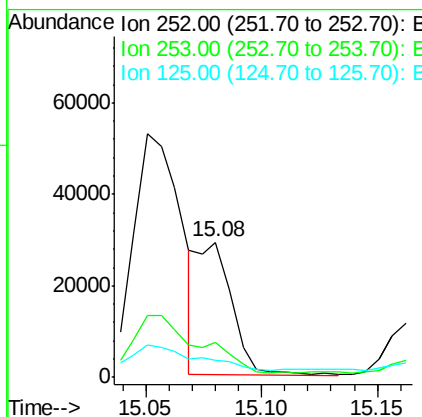
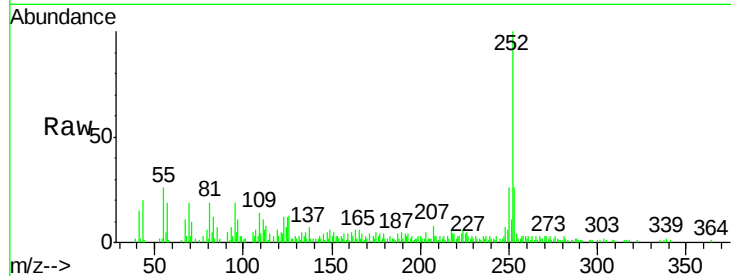




#88
Benzo(k)fluoranthene
Concen: 7.577 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

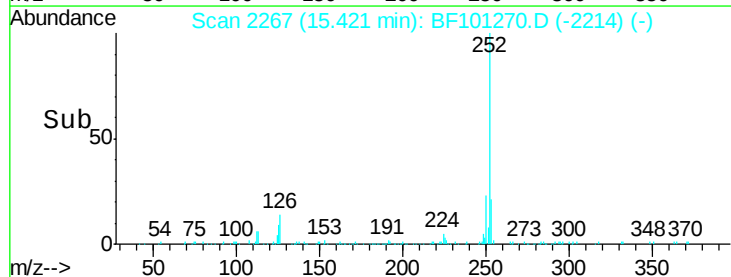
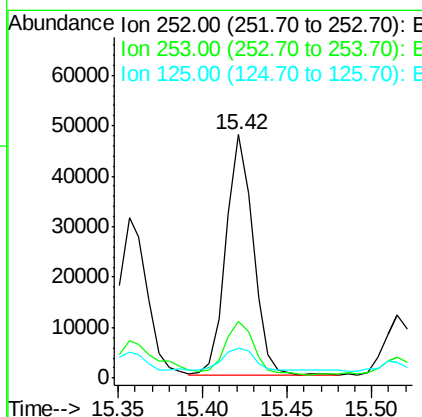
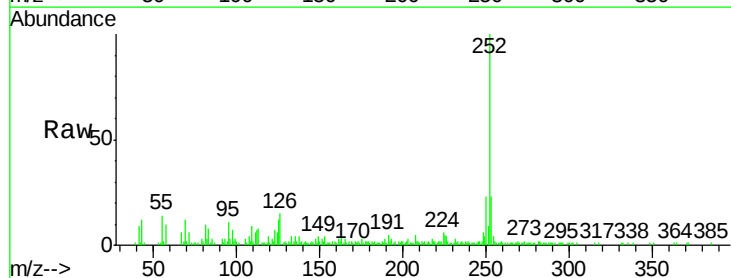
Instrument :
BNA_F
ClientSampleId :
PROS-3-E(0-1)

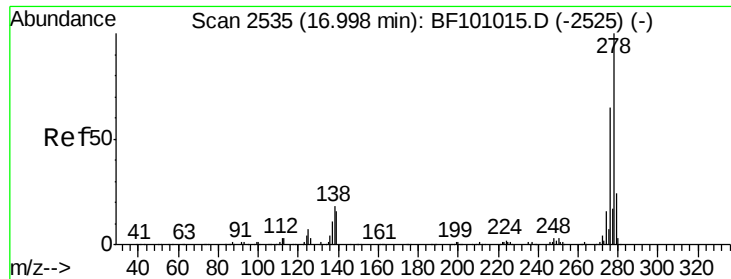
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	12.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 14.847 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101270.D
Acq: 9 Dec 2017 8:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.1	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.504 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.01 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

Instrument :

BNA_F

ClientSampleId :

PROS-3-E(0-1)

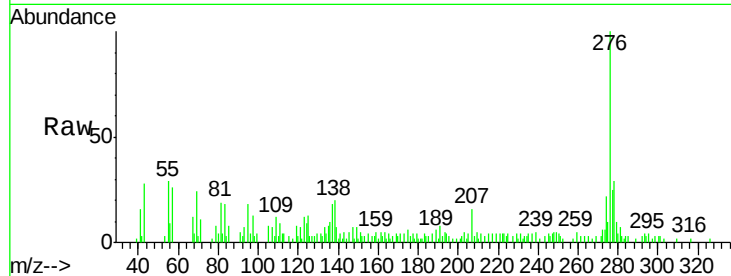
Tot Ion:278 Resp: 7945

Ion Ratio Lower Upper

278 100

139 24.8 15.9 23.9#

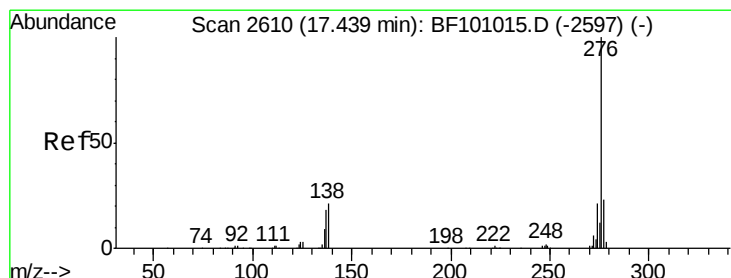
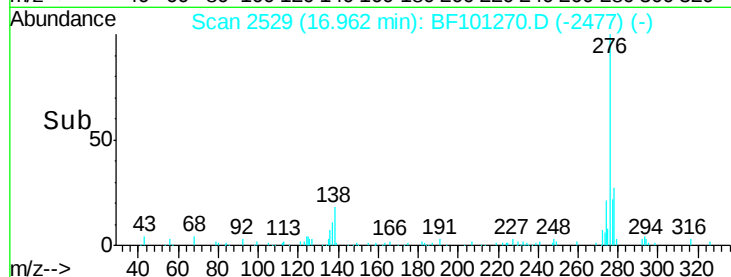
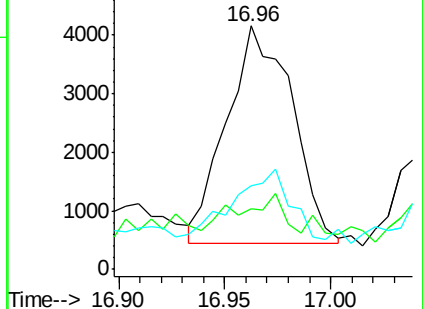
279 34.2 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.527 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.03 min

Lab File: BF101270.D

Acq: 9 Dec 2017 8:24

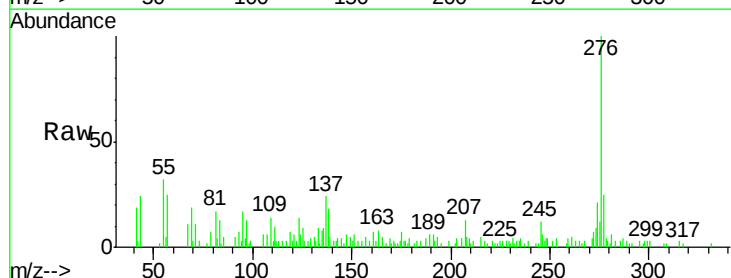
Tgt Ion:276 Resp: 28489

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 17.6 21.8 32.8#



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

