

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061722\
 Data File : BF128862.D
 Acq On : 17 Jun 2022 19:10
 Operator : CG\JU
 Sample : N3383-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-02-(15-16)

Quant Time: Jun 18 05:07:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

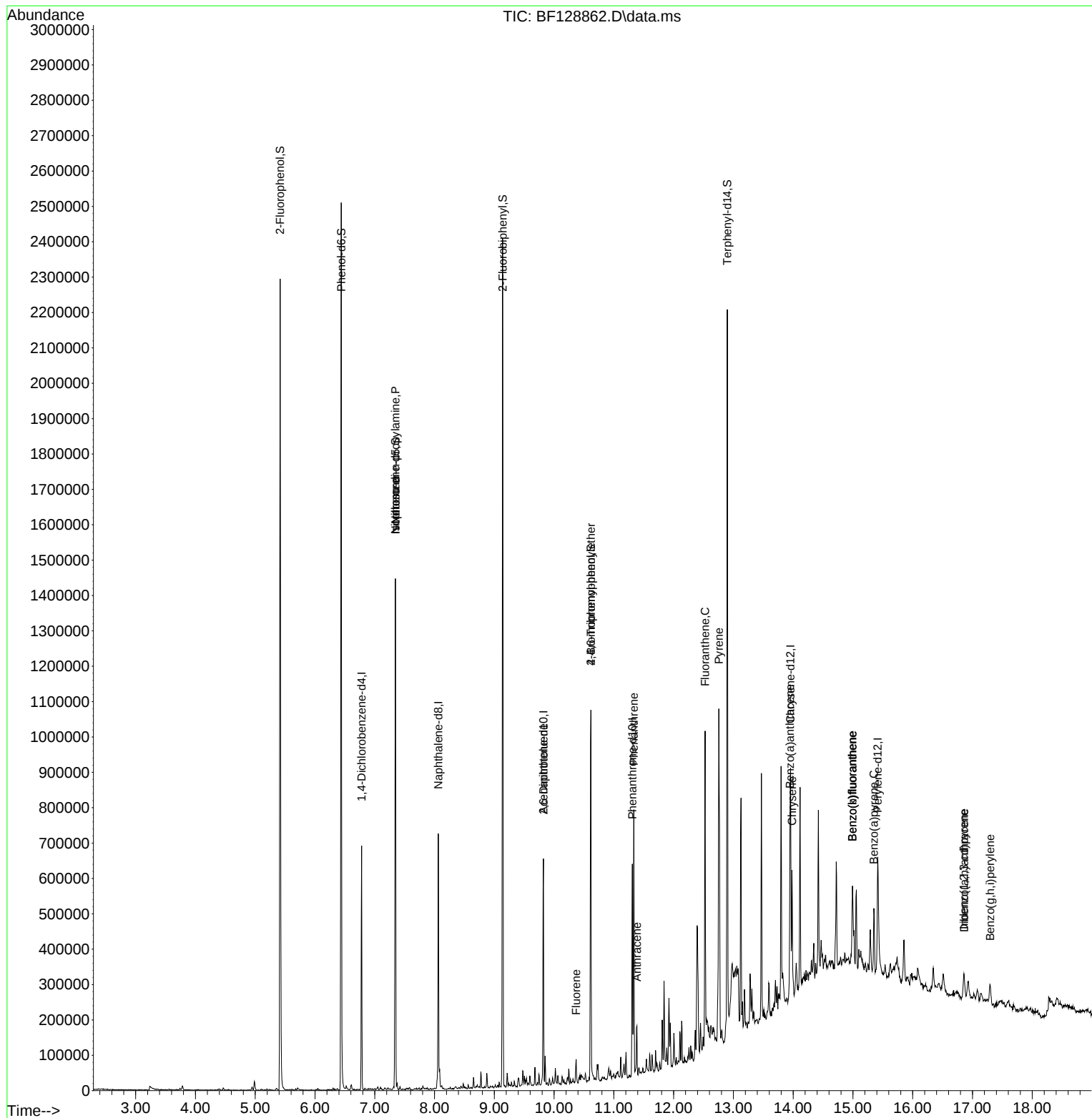
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	84189	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	264175	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	123003	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	206415	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	171239	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	116281	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	529992	100.273	ng	0.00
7) Phenol-d6	6.439	99	669681	103.797	ng	0.00
23) Nitrobenzene-d5	7.345	82	428482	75.516	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	125041	86.037	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	667819	76.054	ng	0.00
79) Terphenyl-d14	12.898	244	663478	67.326	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	60981	15.202	ng	# 79
25) Isophorone	7.345	82	427497	49.607	ng	# 65
51) 2,6-Dinitrotoluene	9.822	165	17028	10.247	ng	# 26
58) Fluorene	10.369	166	17443	2.229	ng	# 98
67) 4-Bromophenyl-phenylether	10.616	248	8014	3.481	ng	# 1
71) Phenanthrene	11.333	178	241272	23.304	ng	98
72) Anthracene	11.386	178	51307	5.007	ng	99
75) Fluoranthene	12.527	202	303935	28.084	ng	96
78) Pyrene	12.757	202	340381	26.717	ng	99
81) Benzo(a)anthracene	13.945	228	157409	14.747	ng	98
83) Chrysene	13.980	228	135725	13.337	ng	98
87) Indeno(1,2,3-cd)pyrene	16.856	276	42399	6.050	ng	# 89
88) Benzo(b)fluoranthene	14.992	252	152194	20.483	ng	96
89) Benzo(k)fluoranthene	14.992	252	152194	21.775	ng	96
90) Benzo(a)pyrene	15.351	252	79592	13.629	ng	95
91) Dibenzo(a,h)anthracene	16.862	278	12754	2.194	ng	# 74
92) Benzo(g,h,i)perylene	17.298	276	42377	7.355	ng	# 92

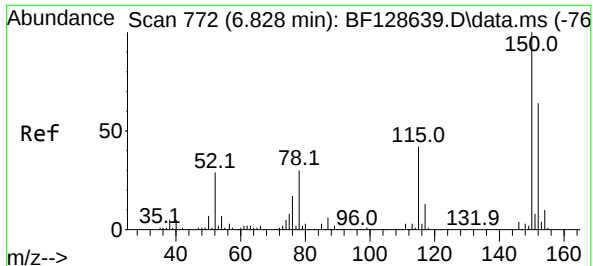
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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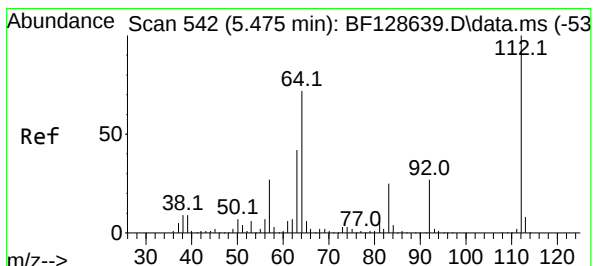
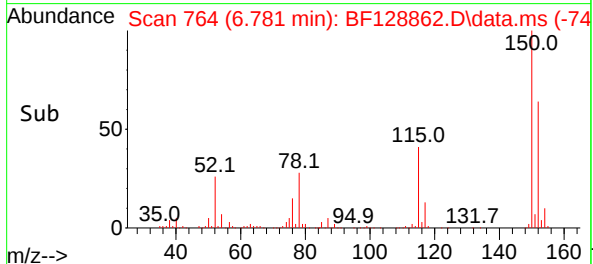
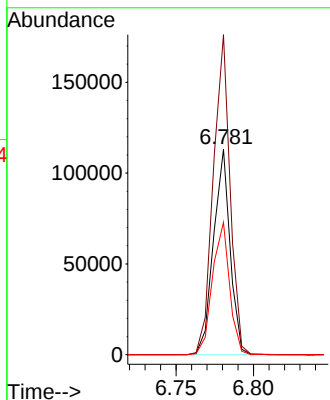
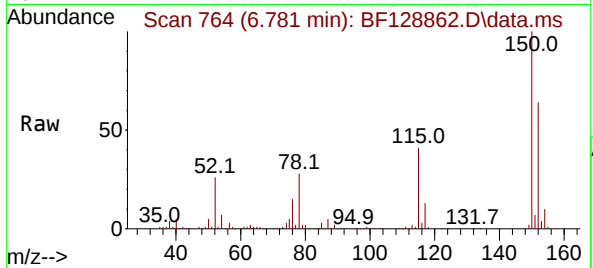




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 772
 Delta R.T. -0.000 min
 Lab File: BF128862.D
 Acq: 17 Jun 2022 19:10

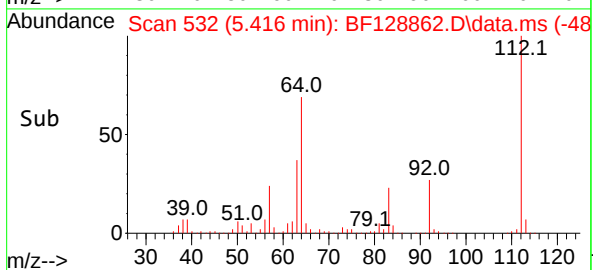
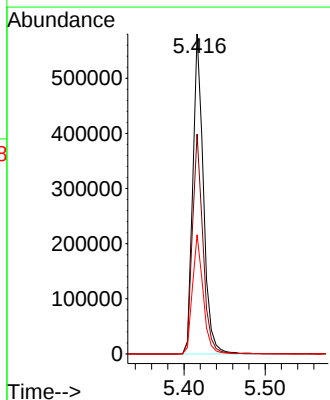
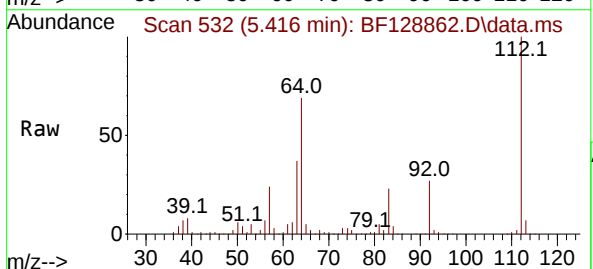
Instrument :
 BNA_F
 ClientSampleId :
 RB-02-(15-16)

Tgt Ion:152 Resp: 84189
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.7 185.5
 115 64.4 49.9 74.9



#5
 2-Fluorophenol
 Concen: 100.273 ng
 RT: 5.416 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: BF128862.D
 Acq: 17 Jun 2022 19:10

Tgt Ion:112 Resp: 529992
 Ion Ratio Lower Upper
 112 100
 64 68.7 53.3 79.9
 63 37.2 28.0 42.0

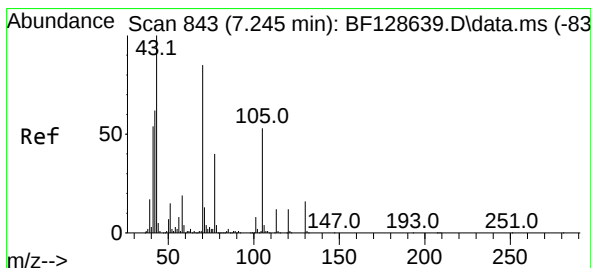
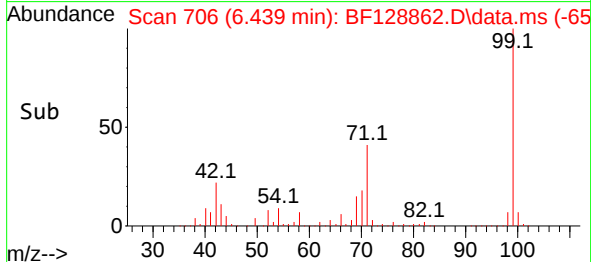
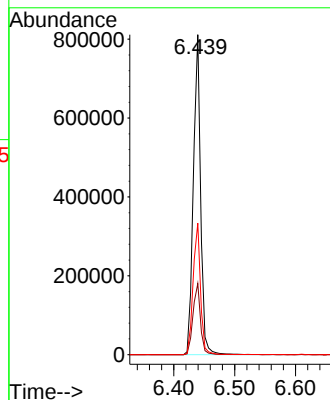
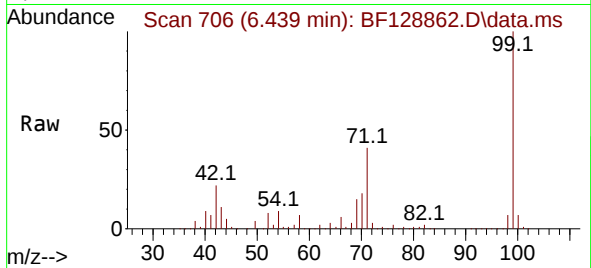




#7
Phenol-d6
Concen: 103.797 ng
RT: 6.439 min Scan# 706
Delta R.T. -0.000 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

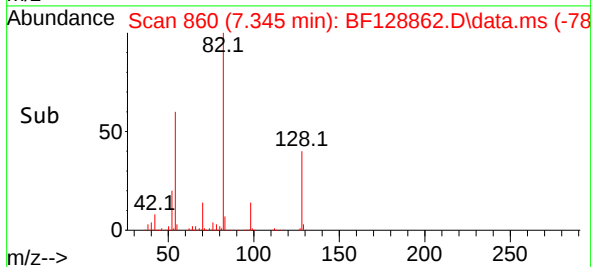
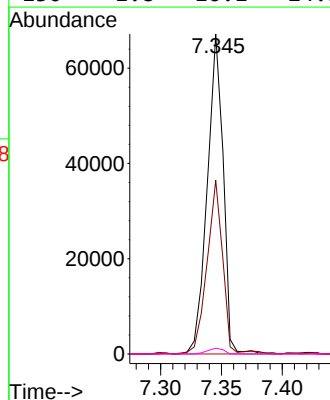
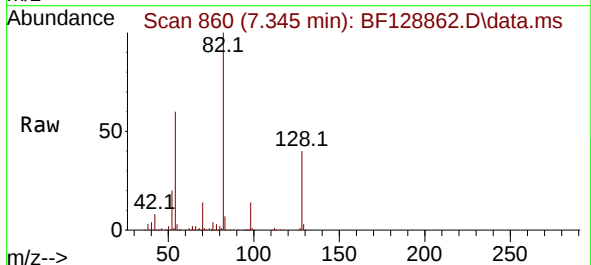
Instrument :
BNA_F
ClientSampleId :
RB-02-(15-16)

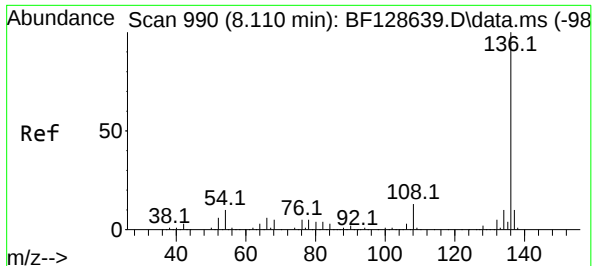
Tgt Ion: 99 Resp: 669681
Ion Ratio Lower Upper
99 100
42 22.3 17.3 25.9
71 41.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.202 ng
RT: 7.345 min Scan# 860
Delta R.T. 0.141 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Tgt Ion: 70 Resp: 60981
Ion Ratio Lower Upper
70 100
42 54.3 52.3 78.5
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#

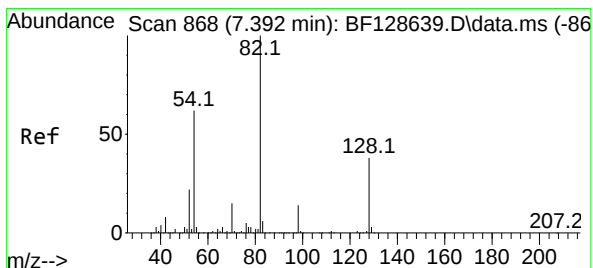
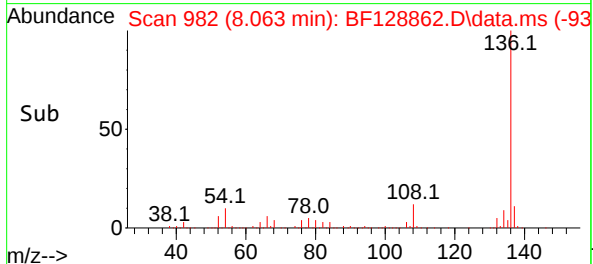
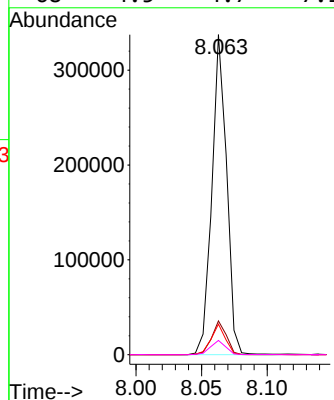
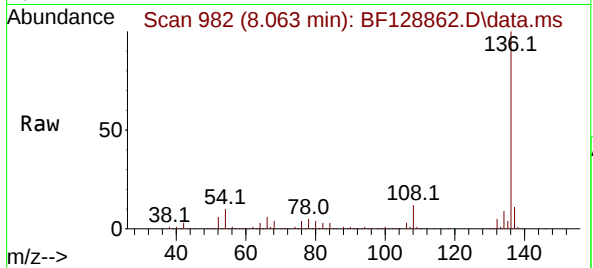




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

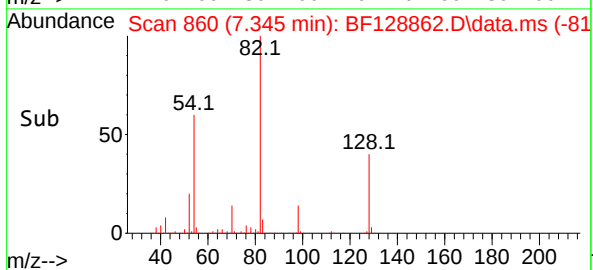
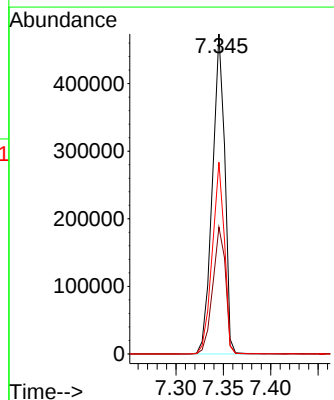
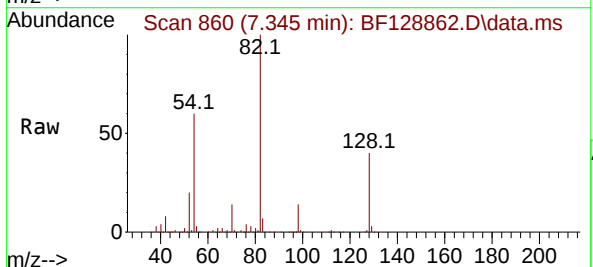
Instrument :
BNA_F
ClientSampleId :
RB-02-(15-16)

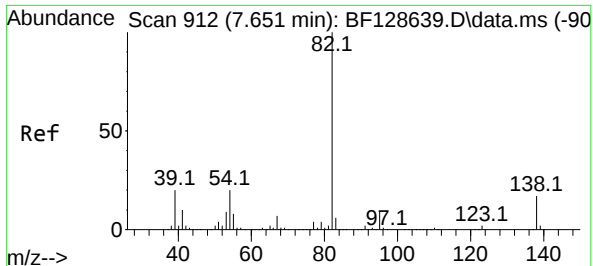
Tgt	Ion:136	Resp:	264175
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.6	7.5	11.3
68	4.5	4.7	7.1#



#23
Nitrobenzene-d5
Concen: 75.516 ng
RT: 7.345 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Tgt Ion: 82	Resp: 428482
Ion Ratio	Lower Upper
82 100	
128 39.6	34.0 51.0
54 59.9	46.9 70.3

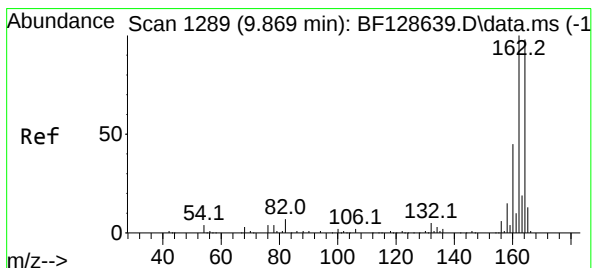
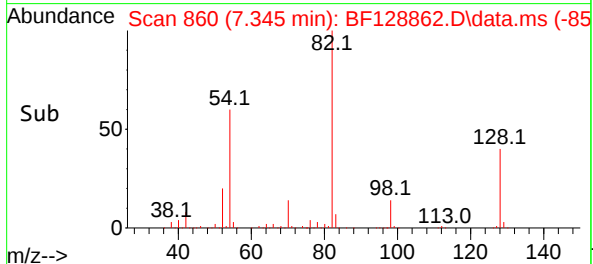
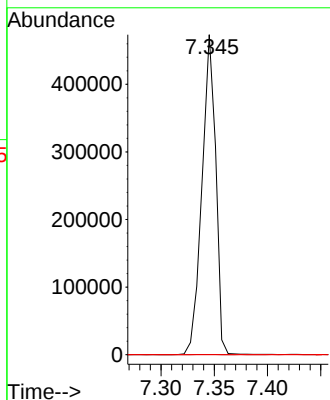
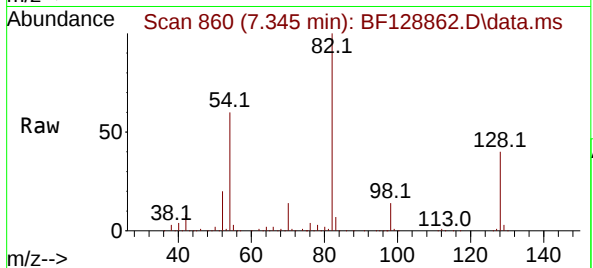




#25
Isophorone
Concen: 49.607 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

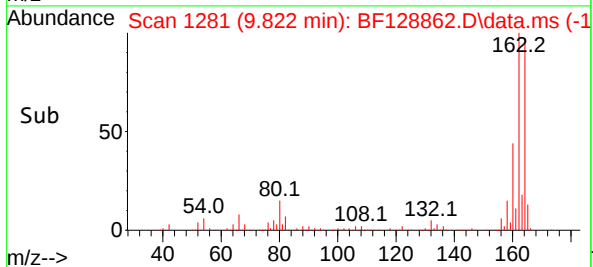
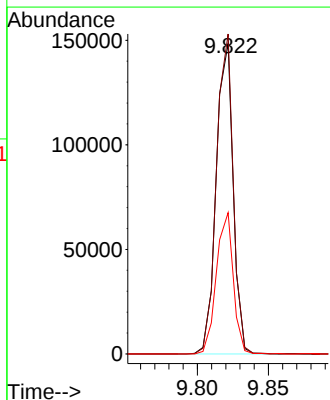
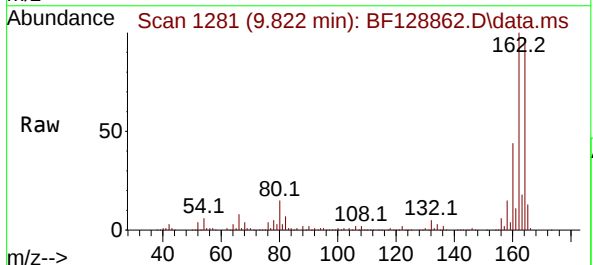
Instrument :
BNA_F
ClientSampleId :
RB-02-(15-16)

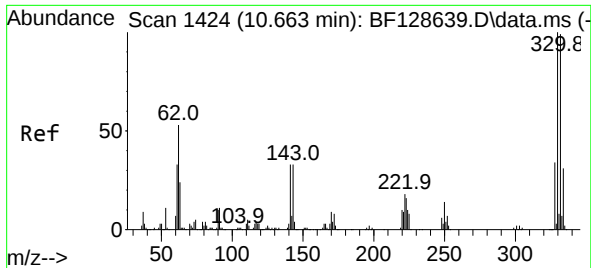
Tgt Ion: 82 Resp: 427497
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Tgt Ion:164 Resp: 123003
Ion Ratio Lower Upper
164 100
162 103.0 79.5 119.3
160 45.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 86.037 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF128862.D

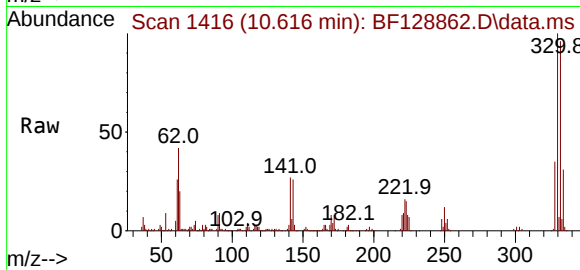
Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)



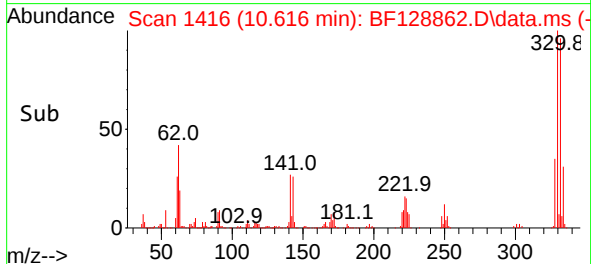
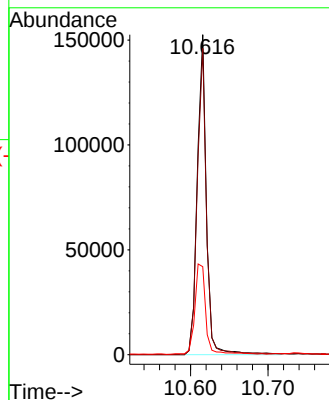
Tgt Ion:330 Resp: 125041

Ion Ratio Lower Upper

330 100

332 96.6 76.8 115.2

141 33.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 76.054 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

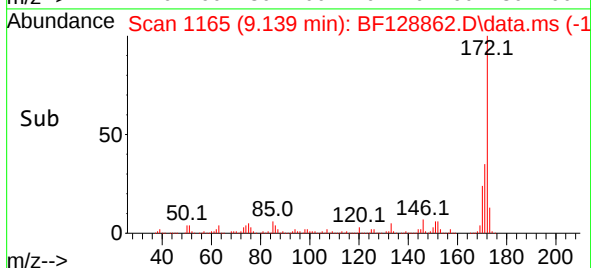
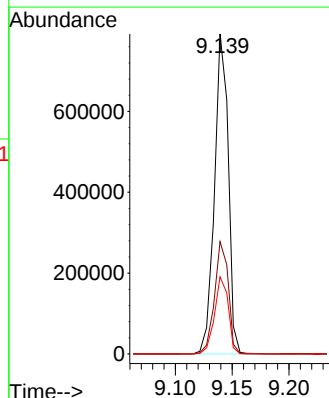
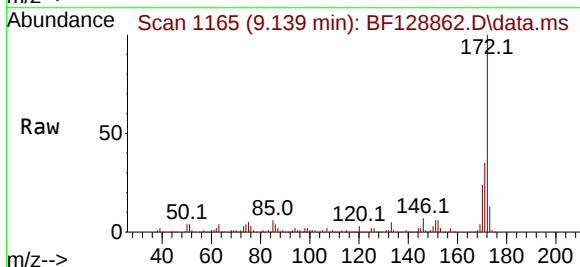
Tgt Ion:172 Resp: 667819

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 24.1 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 10.247 ng

RT: 9.822 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)

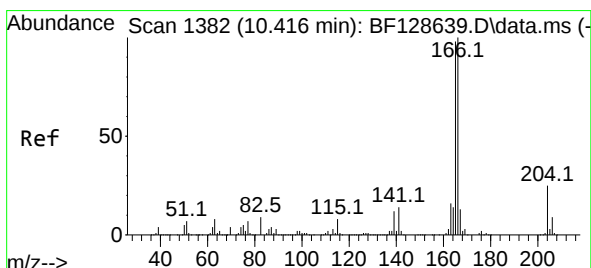
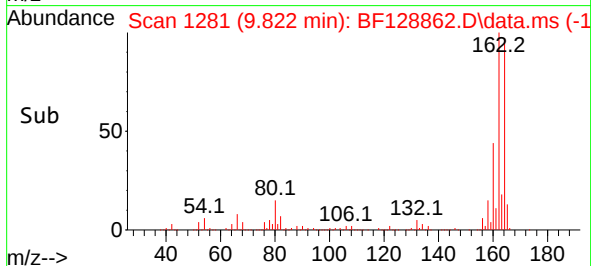
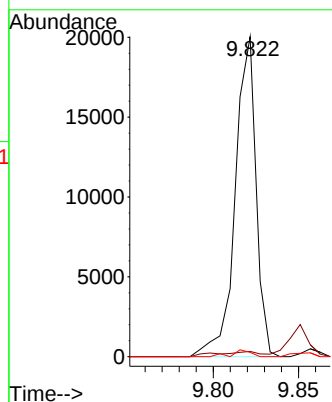
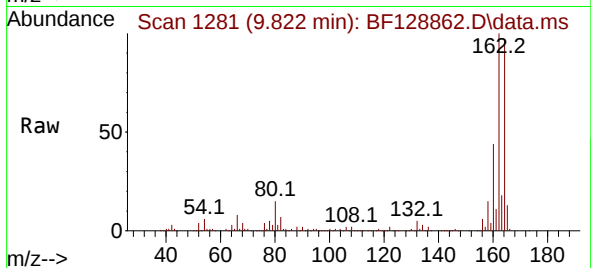
Tgt Ion:165 Resp: 17028

Ion Ratio Lower Upper

165 100

63 1.6 44.9 67.3#

89 1.3 43.6 65.4#



#58

Fluorene

Concen: 2.229 ng

RT: 10.369 min Scan# 1374

Delta R.T. -0.006 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

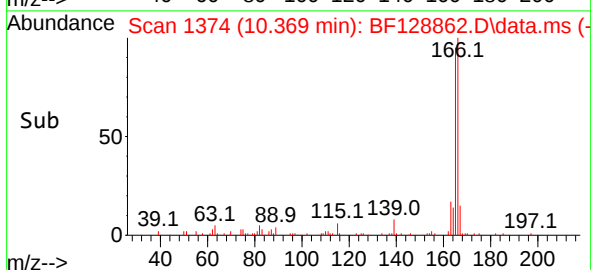
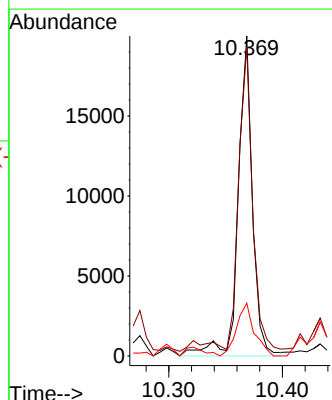
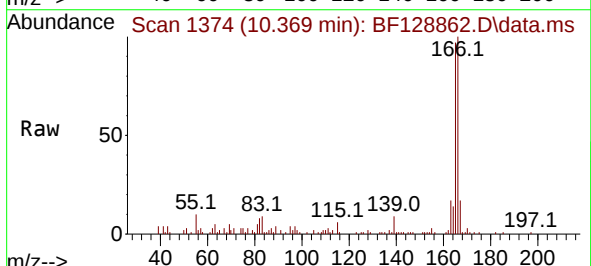
Tgt Ion:166 Resp: 17443

Ion Ratio Lower Upper

166 100

165 96.6 78.1 117.1

167 16.5 10.5 15.7#

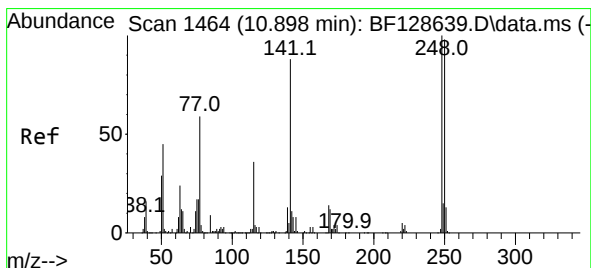
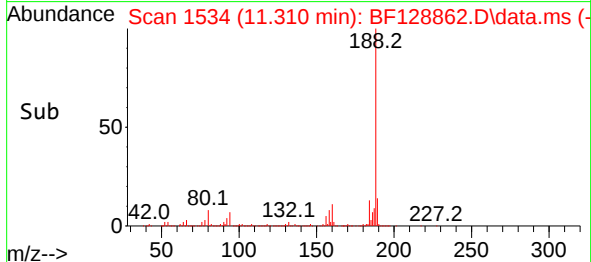
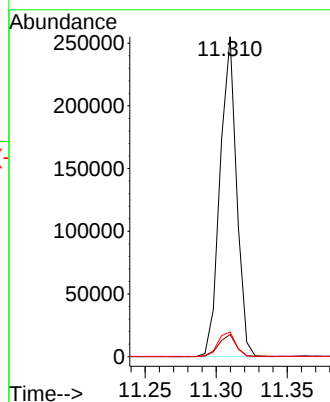
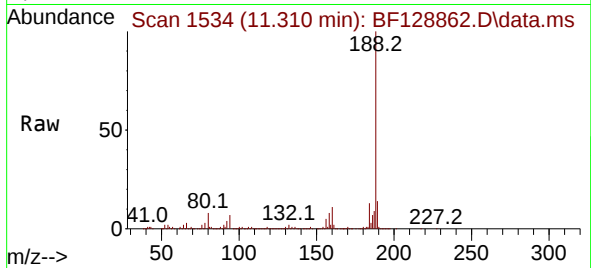




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

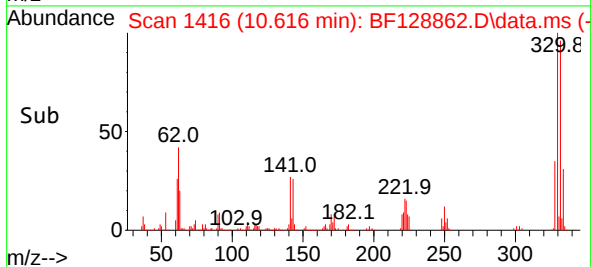
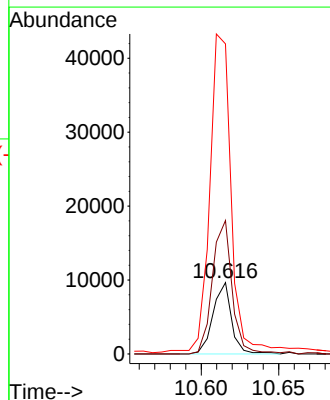
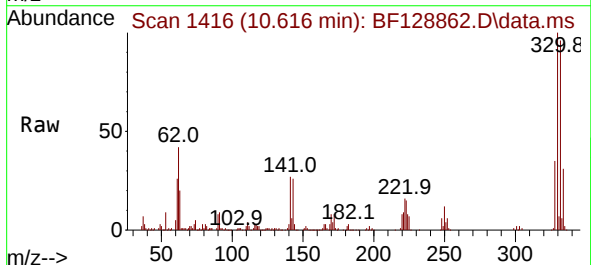
Instrument :
BNA_F
ClientSampleId :
RB-02-(15-16)

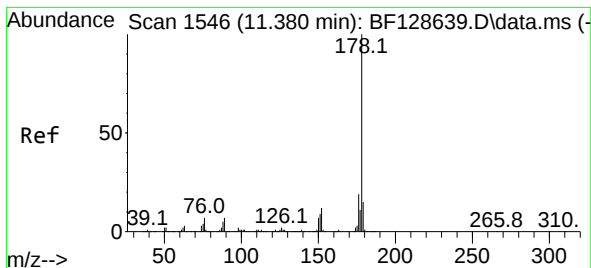
Tgt Ion:188 Resp: 206415
Ion Ratio Lower Upper
188 100
94 6.9 7.0 10.6#
80 7.7 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.481 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.241 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Tgt Ion:248 Resp: 8014
Ion Ratio Lower Upper
248 100
250 187.0 80.6 120.8#
141 434.7 58.9 88.3#





#71

Phenanthrene

Concen: 23.304 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)

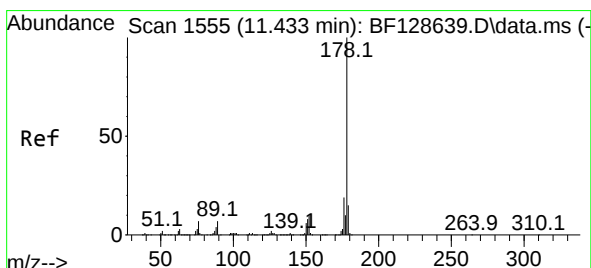
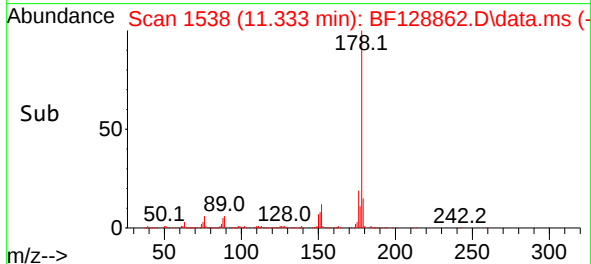
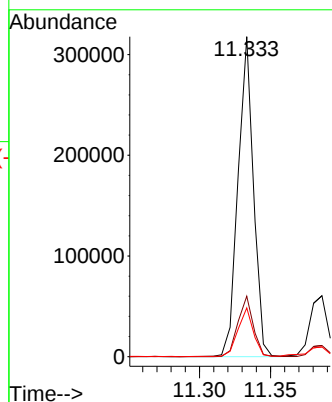
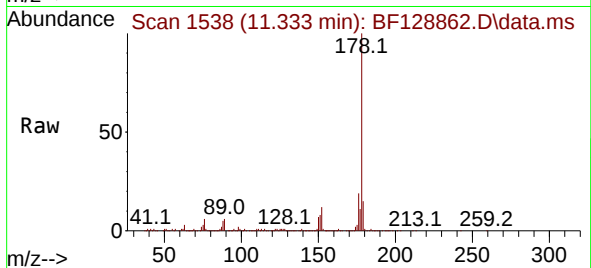
Tgt Ion:178 Resp: 241272

Ion Ratio Lower Upper

178 100

176 18.9 16.0 24.0

179 15.3 12.6 19.0



#72

Anthracene

Concen: 5.007 ng

RT: 11.386 min Scan# 1547

Delta R.T. -0.006 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

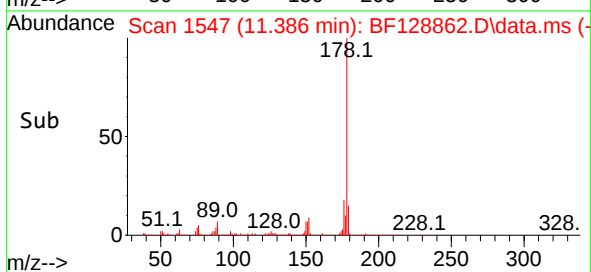
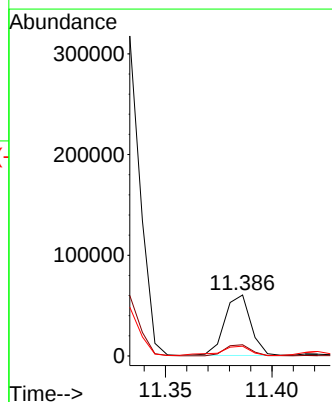
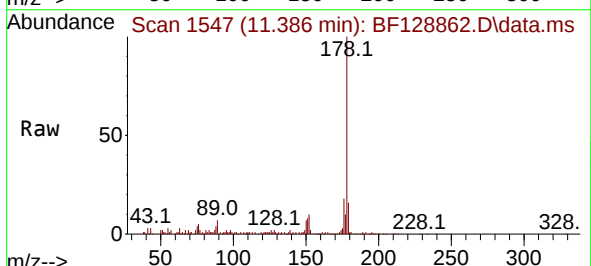
Tgt Ion:178 Resp: 51307

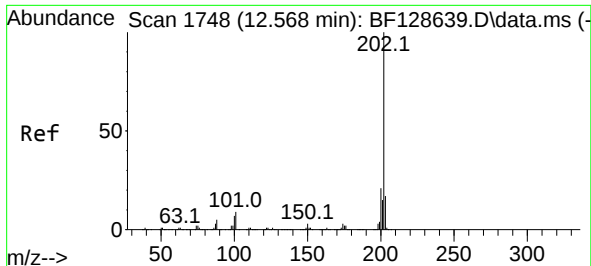
Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 15.9 12.6 19.0

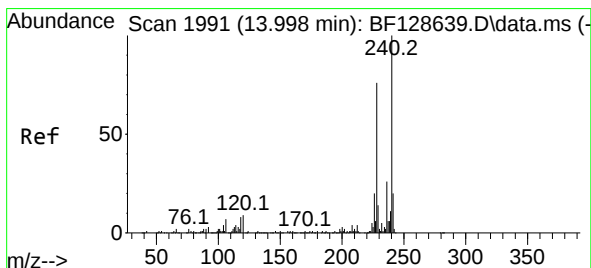
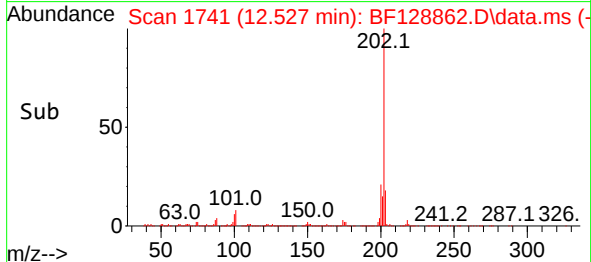
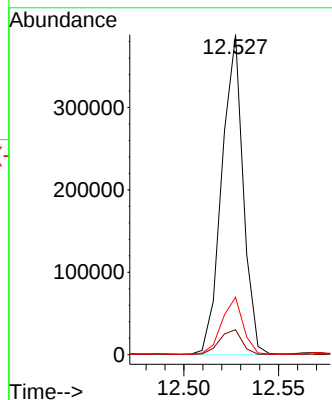
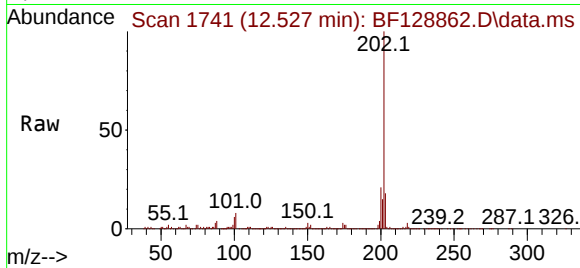




#75
Fluoranthene
Concen: 28.084 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

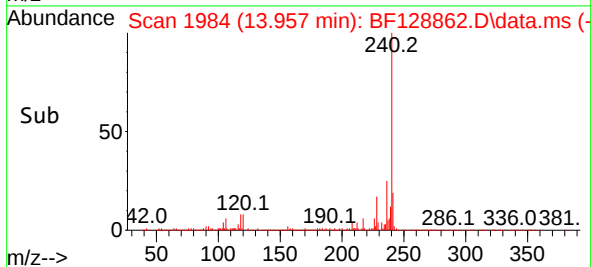
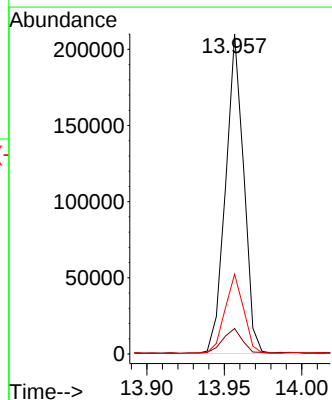
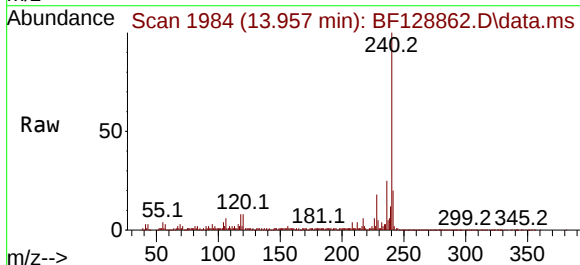
Instrument :
BNA_F
ClientSampleId :
RB-02-(15-16)

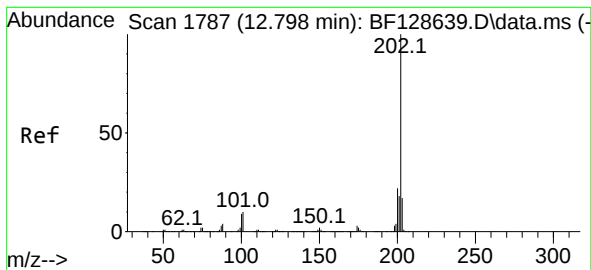
Tgt Ion:202 Resp: 303935
Ion Ratio Lower Upper
202 100
101 7.8 0.0 31.4
203 17.9 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Tgt Ion:240 Resp: 171239
Ion Ratio Lower Upper
240 100
120 8.0 8.9 13.3#
236 25.0 20.8 31.2





#78

Pyrene

Concen: 26.717 ng

RT: 12.757 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)

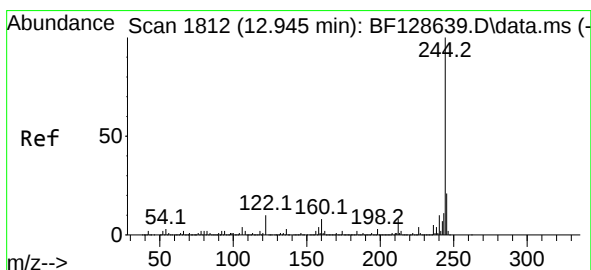
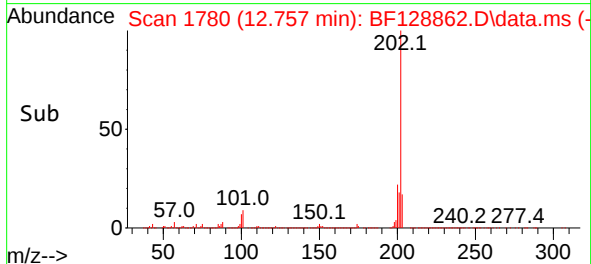
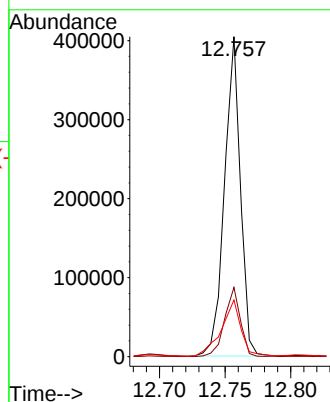
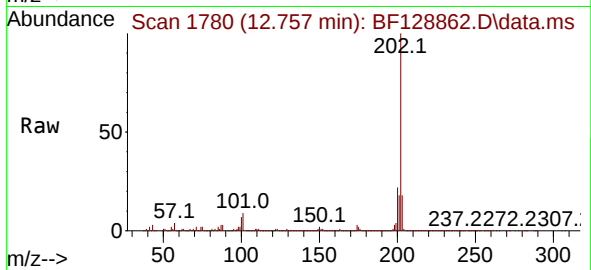
Tgt Ion:202 Resp: 340381

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

203 17.7 14.6 21.8



#79

Terphenyl-d14

Concen: 67.326 ng

RT: 12.898 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

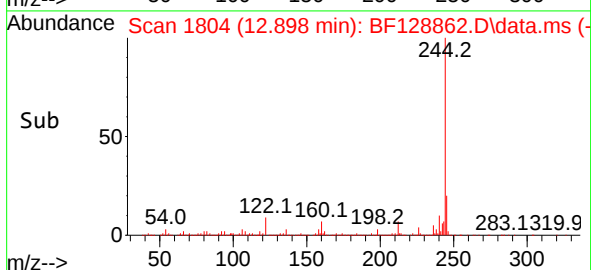
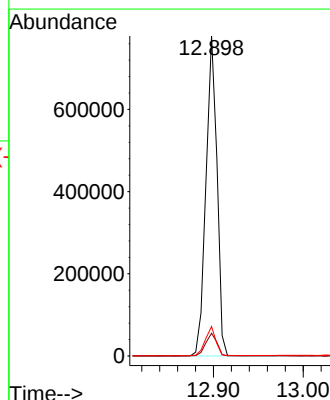
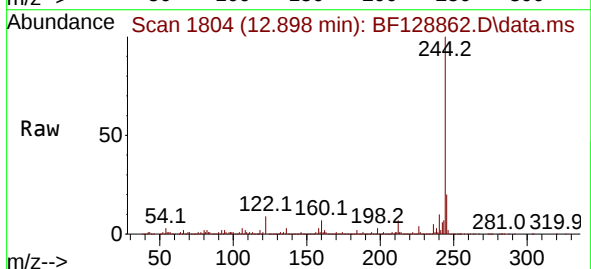
Tgt Ion:244 Resp: 663478

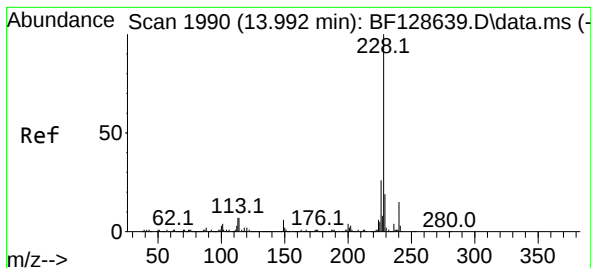
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 9.2 8.8 13.2





#81

Benzo(a)anthracene

Concen: 14.747 ng

RT: 13.945 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)

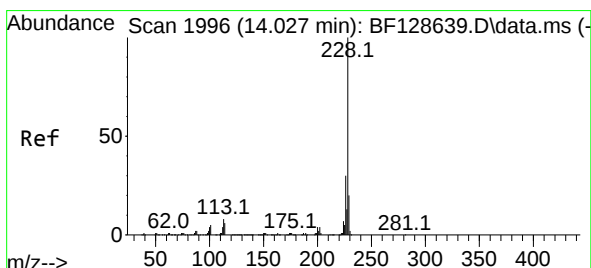
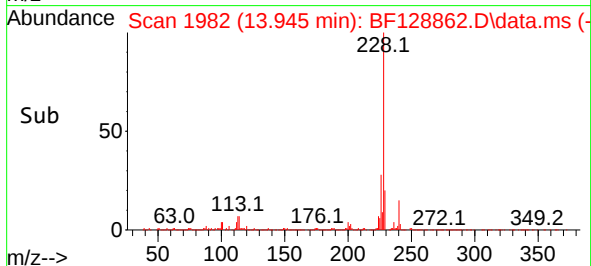
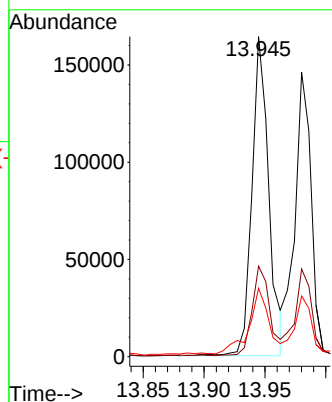
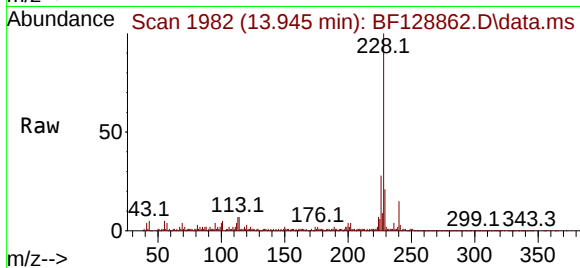
Tgt Ion:228 Resp: 157409

Ion Ratio Lower Upper

228 100

226 28.3 22.1 33.1

229 21.4 15.8 23.8



#83

Chrysene

Concen: 13.337 ng

RT: 13.980 min Scan# 1988

Delta R.T. -0.012 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

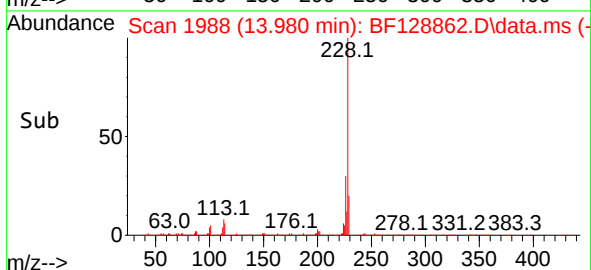
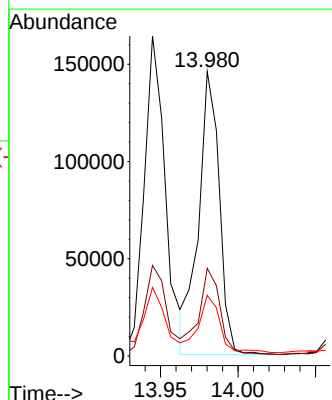
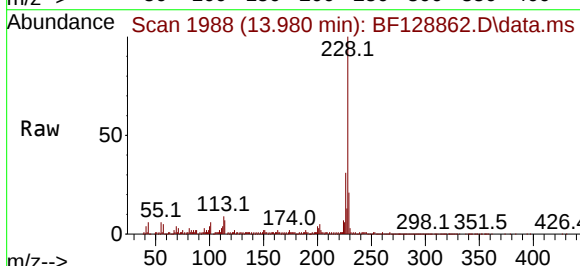
Tgt Ion:228 Resp: 135725

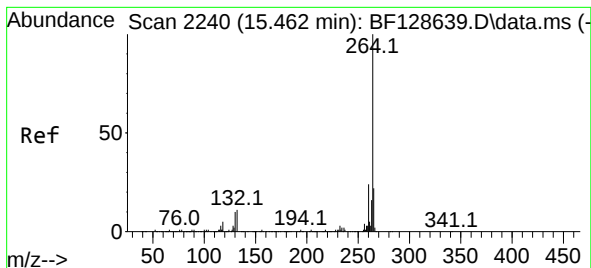
Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

229 21.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)

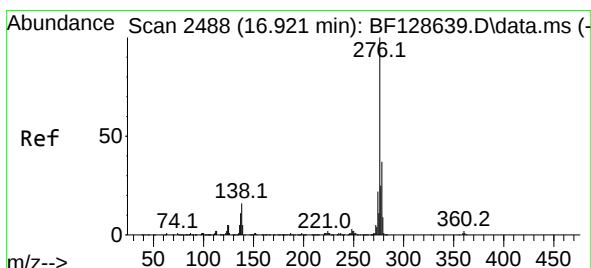
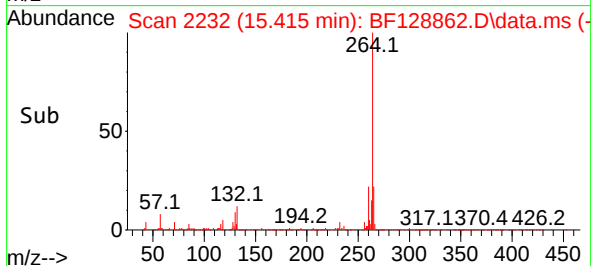
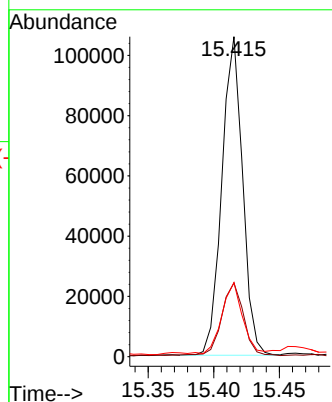
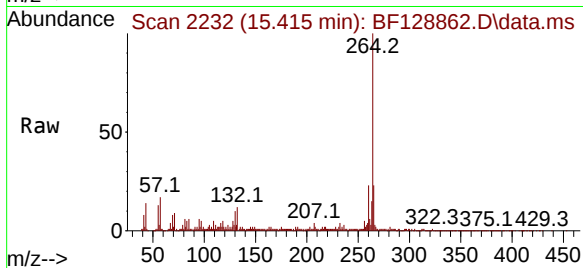
Tgt Ion:264 Resp: 116281

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 23.1 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.050 ng

RT: 16.856 min Scan# 2477

Delta R.T. -0.006 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

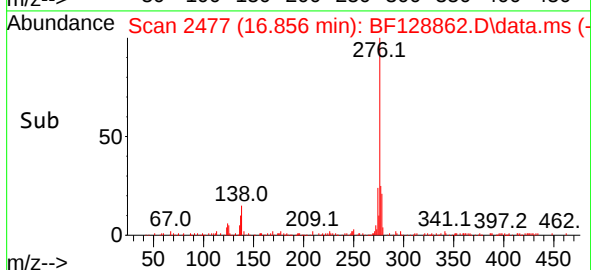
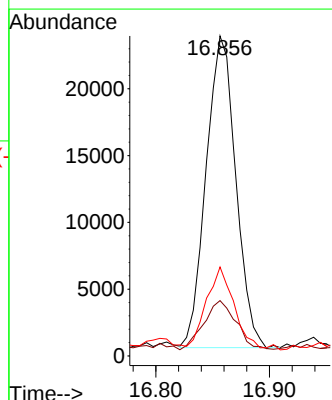
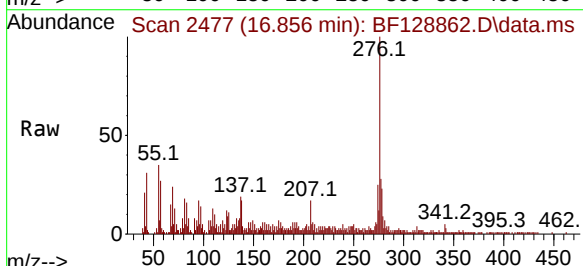
Tgt Ion:276 Resp: 42399

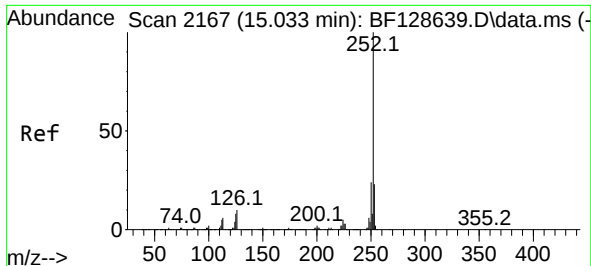
Ion Ratio Lower Upper

276 100

138 17.1 21.1 31.7#

277 23.5 20.3 30.5

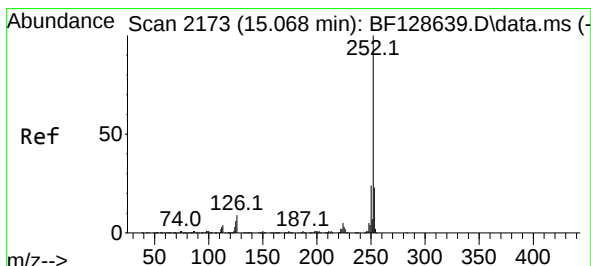
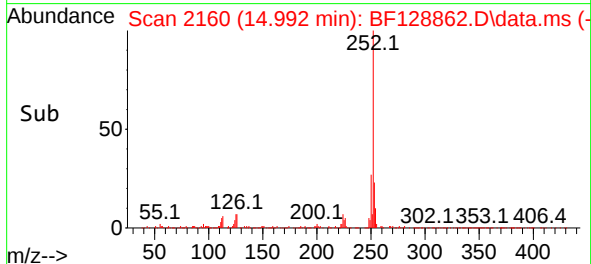
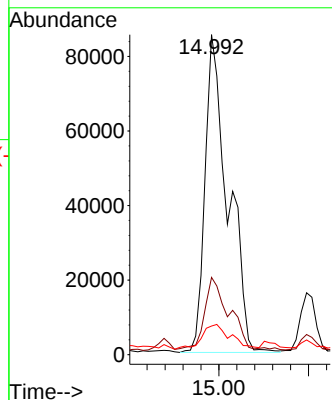
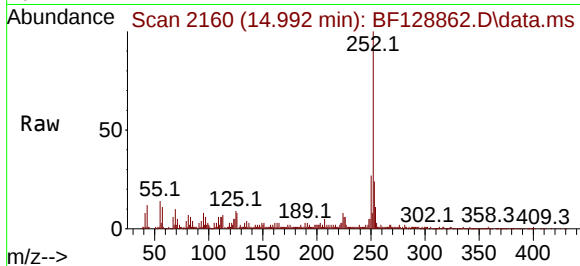




#88
Benzo(b)fluoranthene
Concen: 20.483 ng
RT: 14.992 min Scan# 2160
Delta R.T. -0.000 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

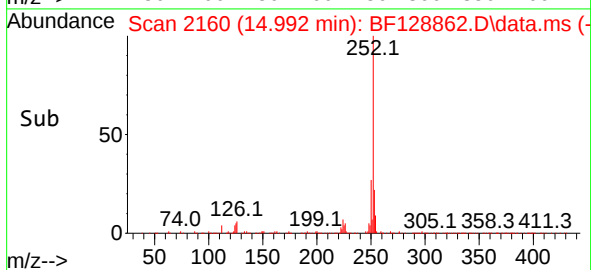
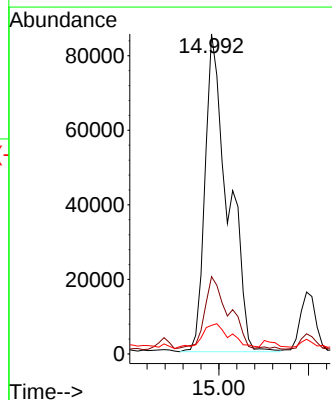
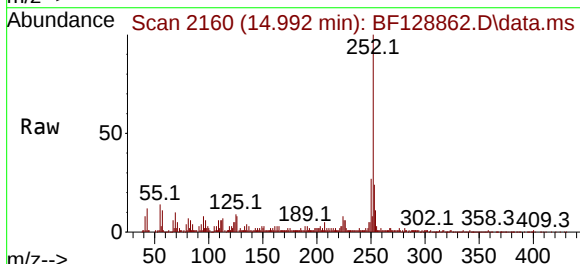
Instrument :
BNA_F
ClientSampleId :
RB-02-(15-16)

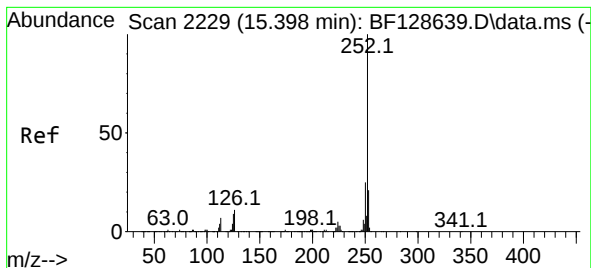
Tgt Ion:252 Resp: 152194
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 8.9 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 21.775 ng
RT: 14.992 min Scan# 2160
Delta R.T. -0.035 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Tgt Ion:252 Resp: 152194
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 8.9 8.3 12.5





#90

Benzo(a)pyrene

Concen: 13.629 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)

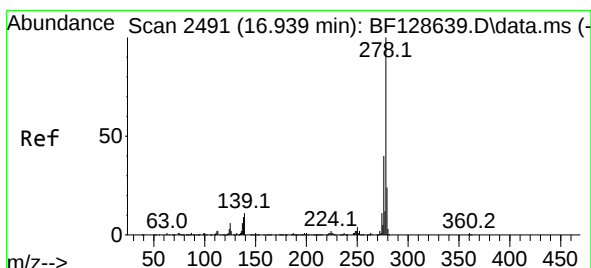
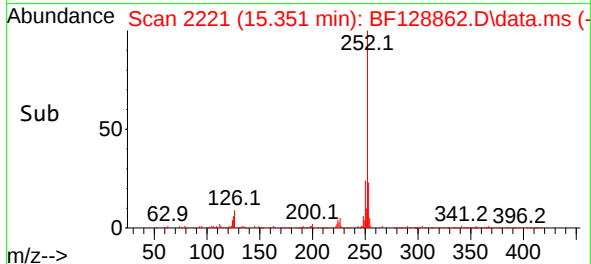
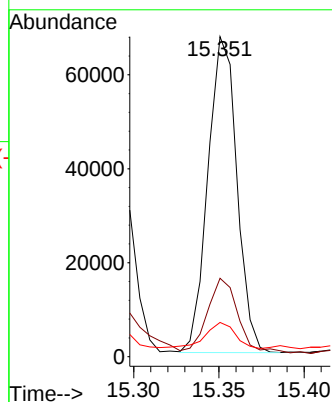
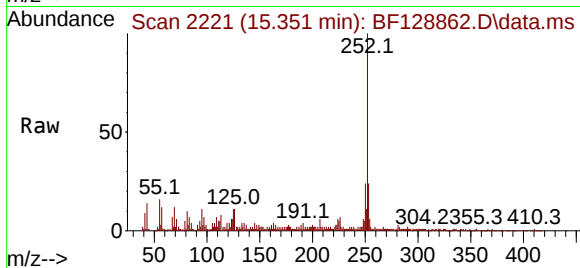
Tgt Ion:252 Resp: 79592

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

125 10.7 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.194 ng

RT: 16.862 min Scan# 2478

Delta R.T. -0.012 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

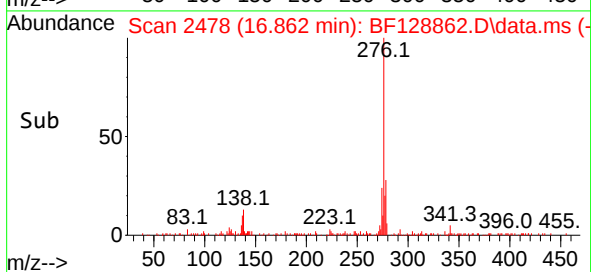
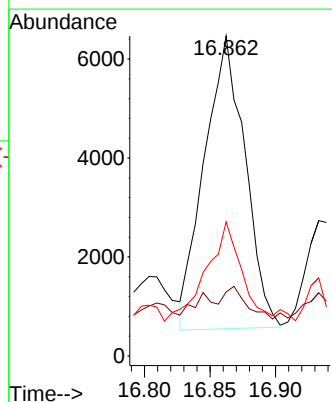
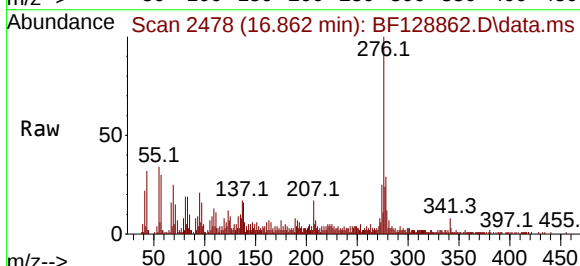
Tgt Ion:278 Resp: 12754

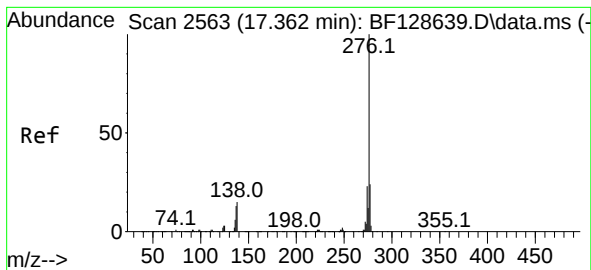
Ion Ratio Lower Upper

278 100

139 20.0 12.8 19.2#

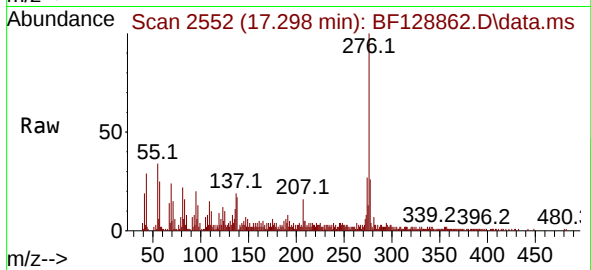
279 41.9 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 7.355 ng
 RT: 17.298 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF128862.D
 Acq: 17 Jun 2022 19:10

Instrument :
 BNA_F
 ClientSampleId :
 RB-02-(15-16)



Tgt Ion:276 Resp: 42377
 Ion Ratio Lower Upper
 276 100
 277 26.0 19.1 28.7
 138 16.6 18.0 27.0#

