

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129686.D
 Acq On : 10 Aug 2022 02:12
 Operator : CG\JU
 Sample : N4068-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-080522RE

Quant Time: Aug 10 05:38:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

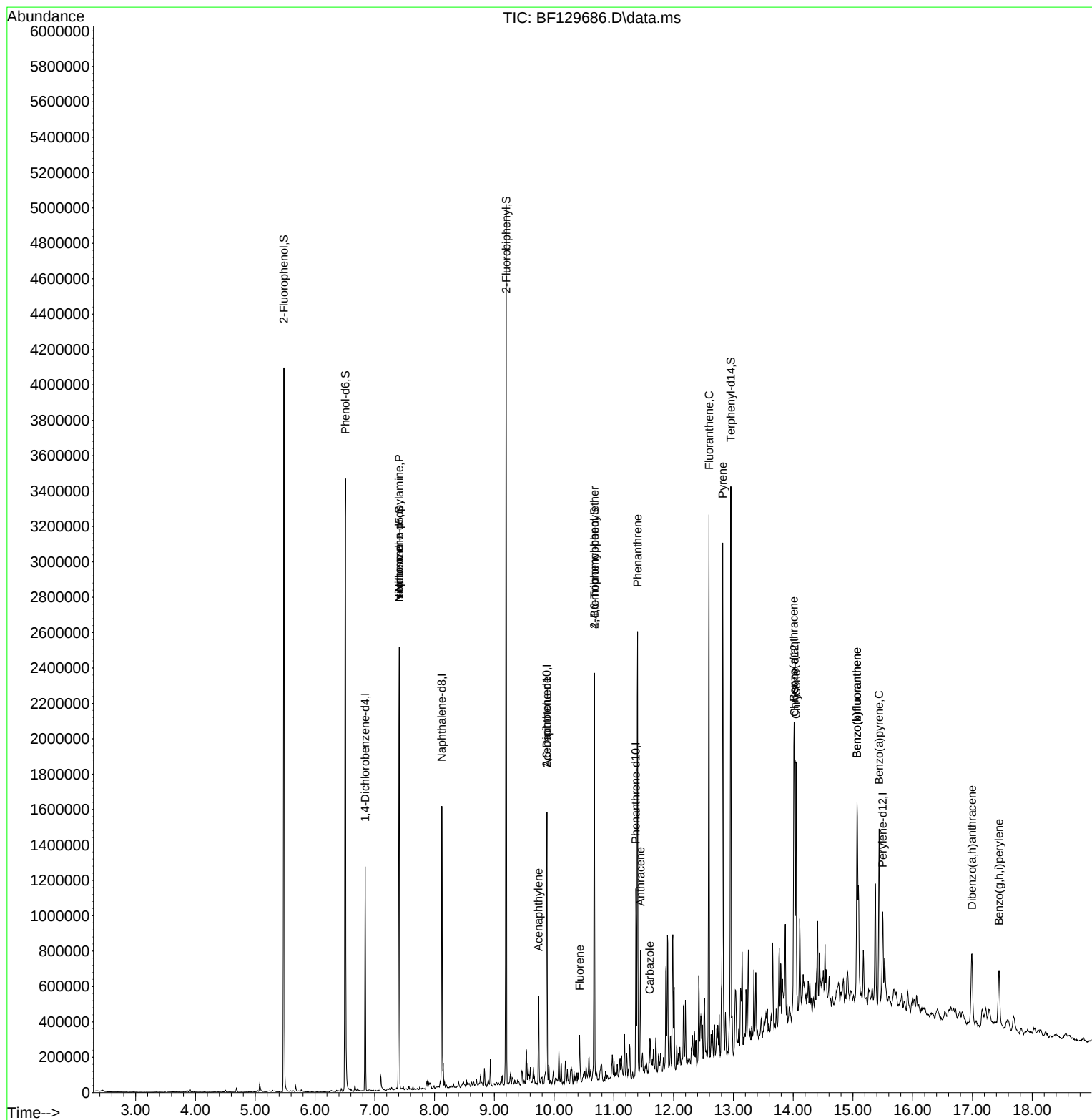
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	170919	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	627744	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	279522	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	374159	20.000	ng	#-0.01
76) Chrysene-d12	14.021	240	276544	20.000	ng	0.00
86) Perylene-d12	15.498	264	227670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1056618	100.704	ng	0.00
7) Phenol-d6	6.510	99	1282834	97.272	ng	0.00
23) Nitrobenzene-d5	7.410	82	797193	69.324	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	235543	87.647	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1355318	75.007	ng	-0.01
79) Terphenyl-d14	12.957	244	995407	67.907	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	105284	13.187	ng	# 72
25) Isophorone	7.410	82	795065	38.571	ng	# 65
49) Acenaphthylene	9.739	152	199329	7.955	ng	99
51) 2,6-Dinitrotoluene	9.880	165	40471	9.371	ng	# 26
58) Fluorene	10.427	166	69379	3.843	ng	99
67) 4-Bromophenyl-phenylether	10.674	248	15310	3.737	ng	# 1
71) Phenanthrene	11.398	178	900729	44.101	ng	98
72) Anthracene	11.445	178	242602	12.087	ng	98
73) Carbazole	11.604	167	66842	3.538	ng	98
75) Fluoranthene	12.592	202	1120757	54.157	ng	99
78) Pyrene	12.821	202	1171528	50.660	ng	99
81) Benzo(a)anthracene	14.010	228	582786	30.851	ng	97
83) Chrysene	14.051	228	581604	32.668	ng	98
88) Benzo(b)fluoranthene	15.068	252	828566	54.864	ng	# 96
89) Benzo(k)fluoranthene	15.068	252	828566	55.986	ng	97
90) Benzo(a)pyrene	15.439	252	443639	36.187	ng	97
91) Dibenzo(a,h)anthracene	16.992	278	74535	5.973	ng	# 84
92) Benzo(g,h,i)perylene	17.445	276	244940	19.210	ng	99

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

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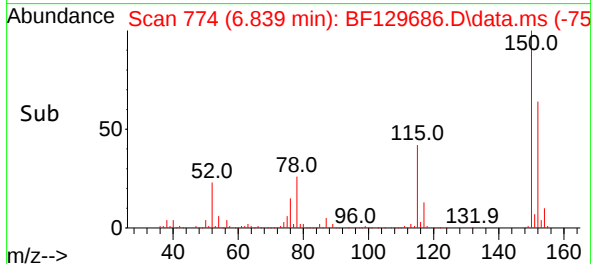
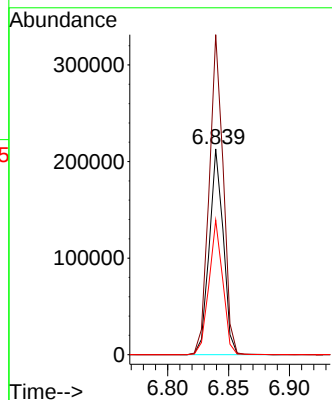
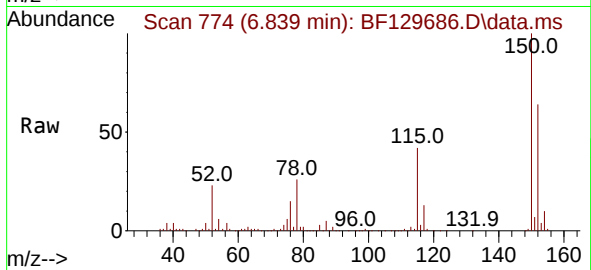




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

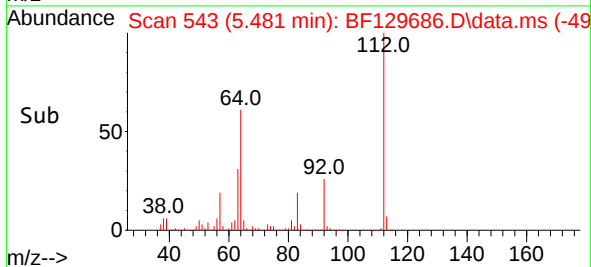
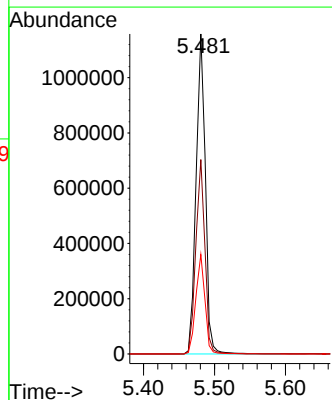
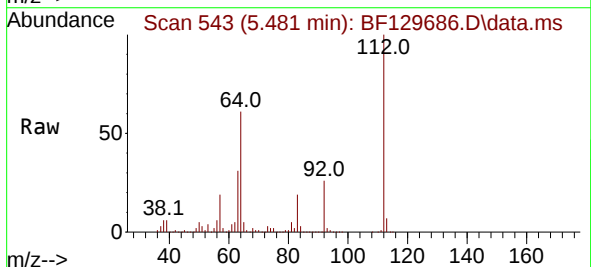
Instrument :
BNA_F
ClientSampleId :
BU-02-080522RE

Tgt Ion:152 Resp: 170919
Ion Ratio Lower Upper
152 100
150 155.5 123.7 185.5
115 65.4 49.9 74.9



#5
2-Fluorophenol
Concen: 100.704 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.000 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Tgt Ion:112 Resp: 1056618
Ion Ratio Lower Upper
112 100
64 60.8 53.3 79.9
63 31.1 28.0 42.0

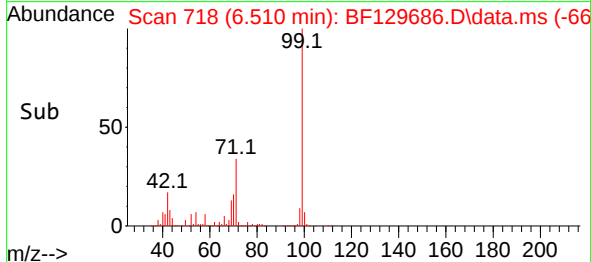
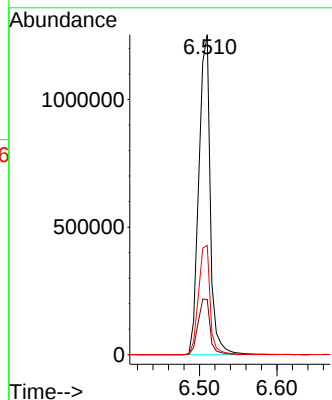
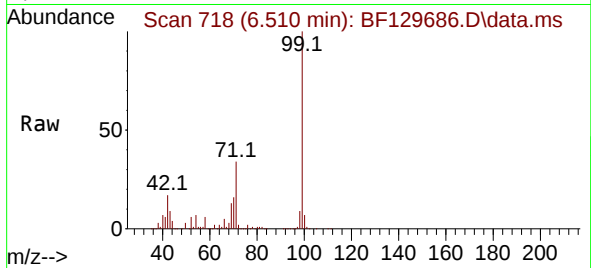




#7
Phenol-d6
Concen: 97.272 ng
RT: 6.510 min Scan# 719
Delta R.T. 0.006 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

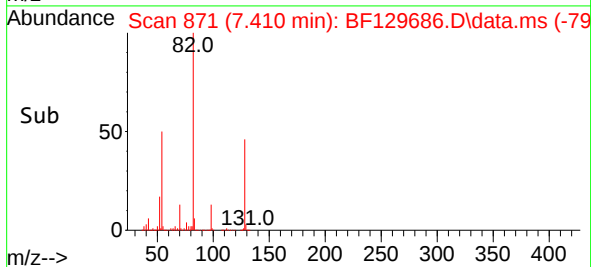
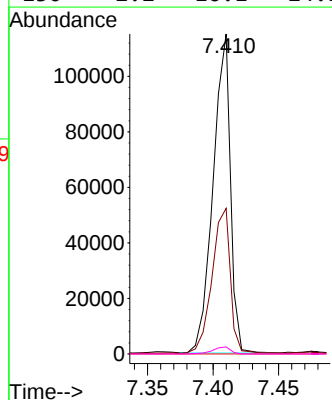
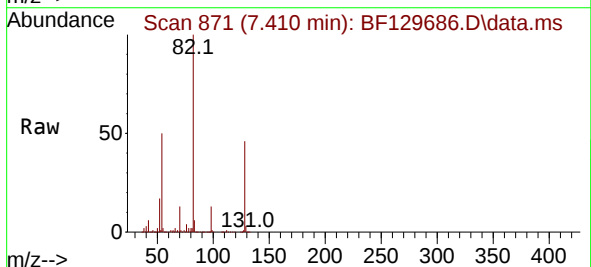
Instrument :
BNA_F
ClientSampleId :
BU-02-080522RE

Tgt Ion: 99 Resp: 1282834
Ion Ratio Lower Upper
99 100
42 17.2 17.3 25.9#
71 34.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.187 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.141 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Tgt Ion: 70 Resp: 105284
Ion Ratio Lower Upper
70 100
42 45.5 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#



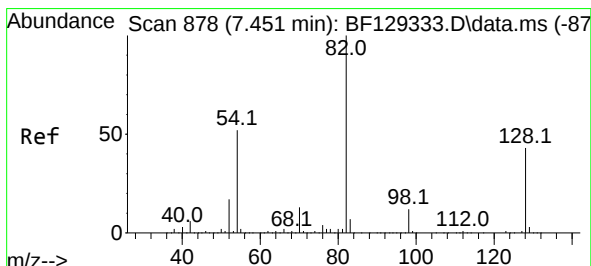
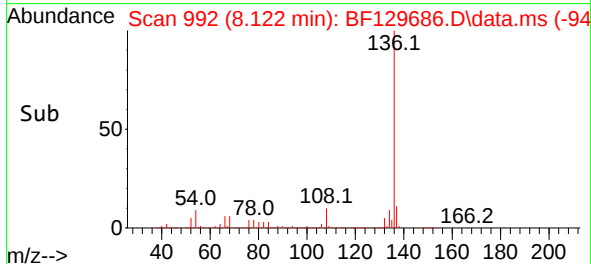
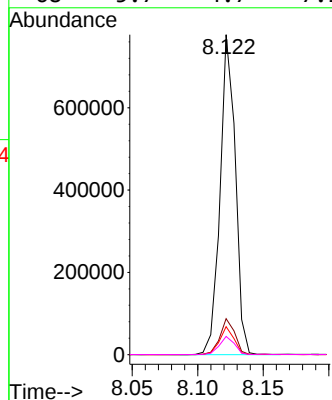
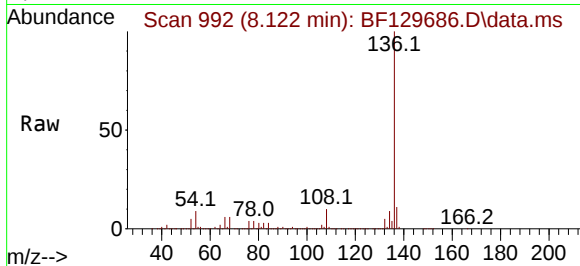


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Instrument :
BNA_F
ClientSampleId :
BU-02-080522RE

Tgt Ion:136 Resp: 627744

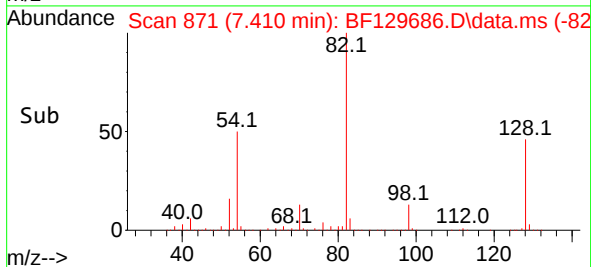
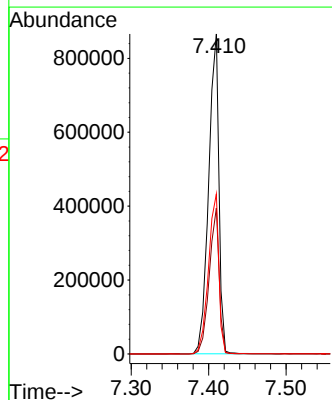
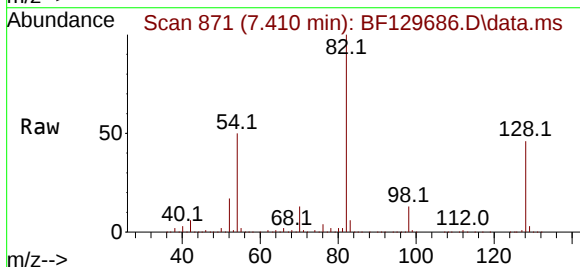
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.7	7.5	11.3
68	5.7	4.7	7.1



#23
Nitrobenzene-d5
Concen: 69.324 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Tgt Ion: 82 Resp: 797193

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	50.0	46.9	70.3

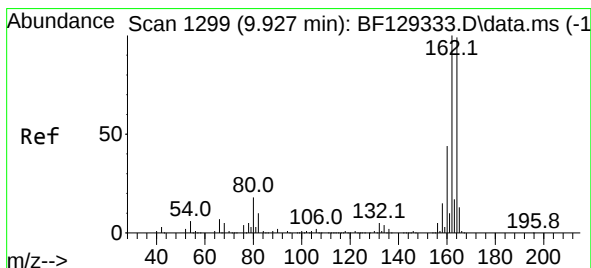
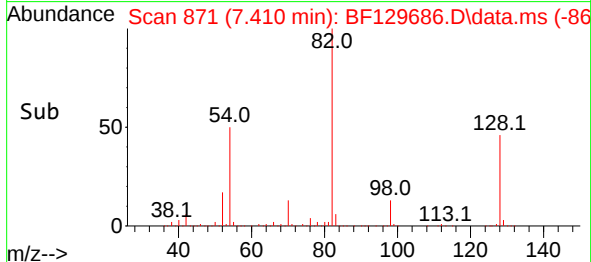
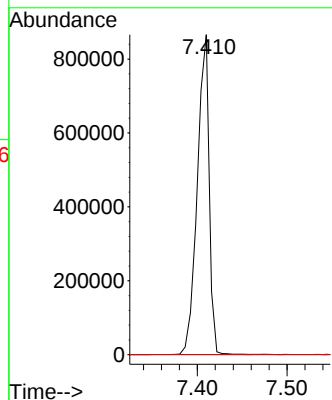
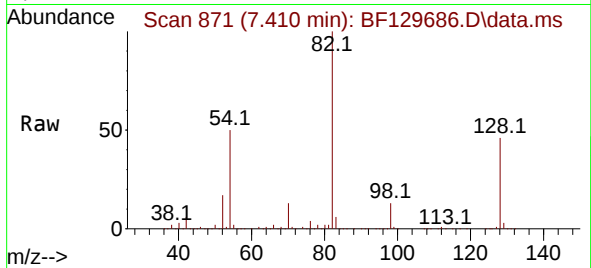




#25
Isophorone
Concen: 38.571 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

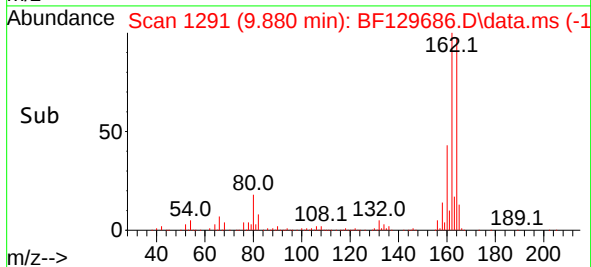
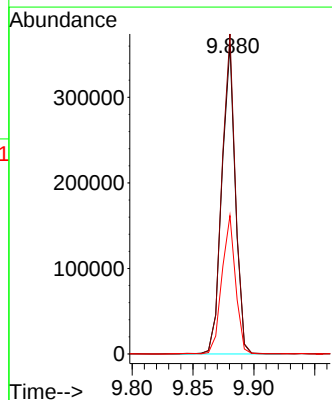
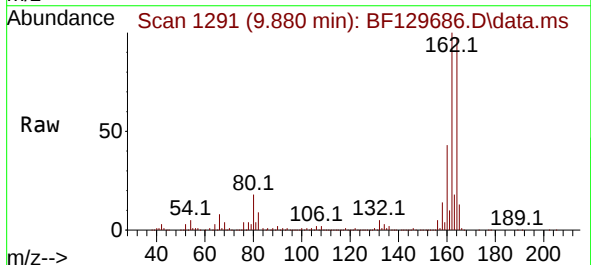
Instrument :
BNA_F
ClientSampleId :
BU-02-080522RE

Tgt Ion: 82 Resp: 795065
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Tgt Ion:164 Resp: 279522
Ion Ratio Lower Upper
164 100
162 103.6 79.5 119.3
160 44.8 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 87.647 ng

RT: 10.674 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129686.D

Acq: 10 Aug 2022 02:12

Instrument :

BNA_F

ClientSampleId :

BU-02-080522RE

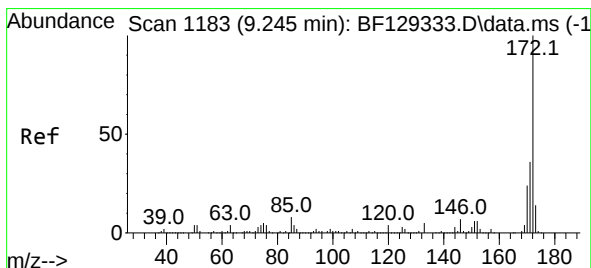
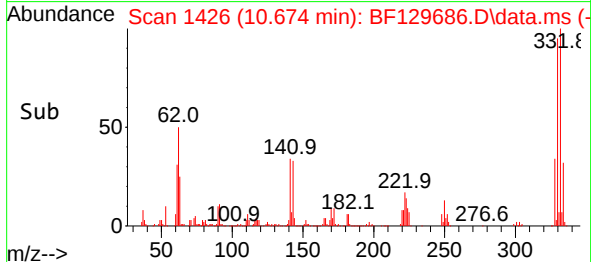
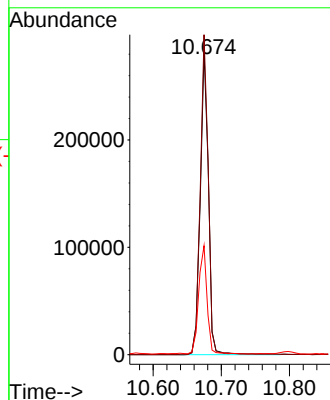
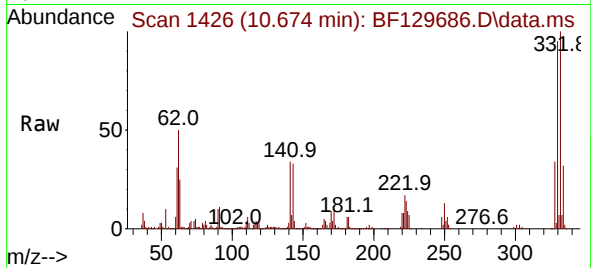
Tgt Ion:330 Resp: 235543

Ion Ratio Lower Upper

330 100

332 103.7 76.8 115.2

141 36.6 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 75.007 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129686.D

Acq: 10 Aug 2022 02:12

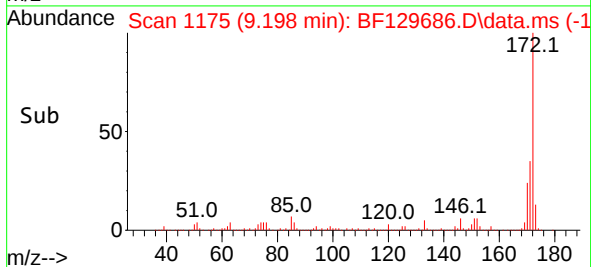
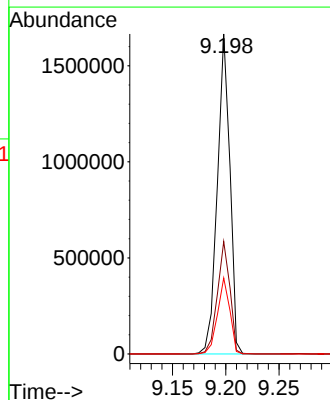
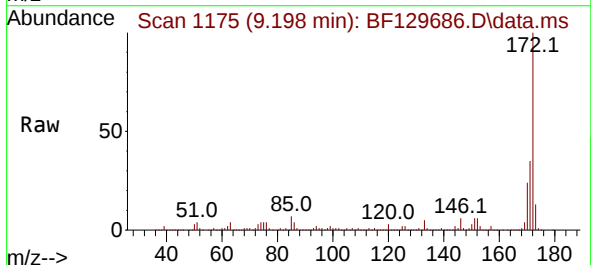
Tgt Ion:172 Resp: 1355318

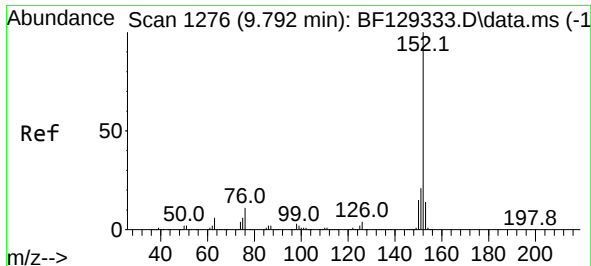
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.8 19.8 29.8





#49

Acenaphthylene

Concen: 7.955 ng

RT: 9.739 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF129686.D

Acq: 10 Aug 2022 02:12

Instrument :

BNA_F

ClientSampleId :

BU-02-080522RE

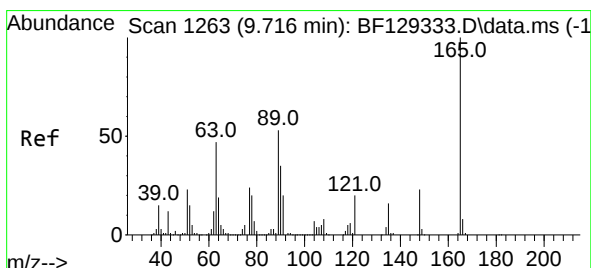
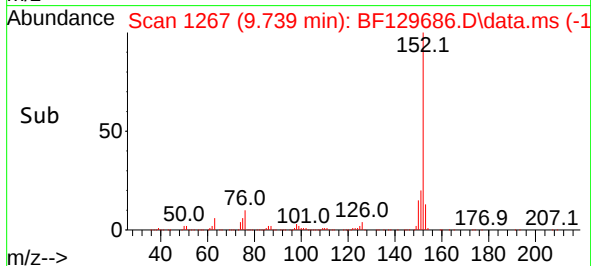
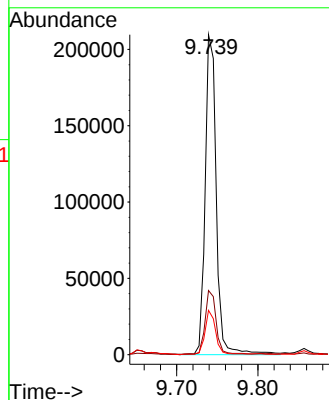
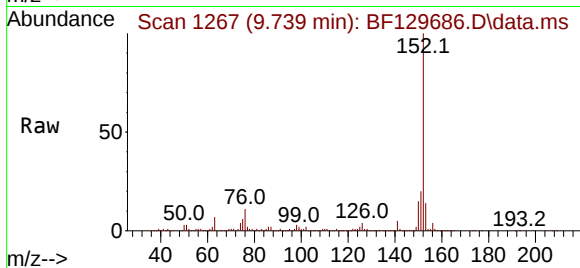
Tgt Ion:152 Resp: 199329

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

153 13.9 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 9.371 ng

RT: 9.880 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF129686.D

Acq: 10 Aug 2022 02:12

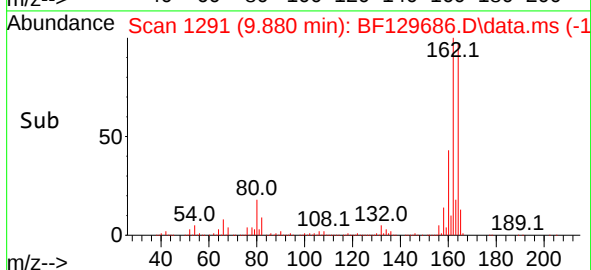
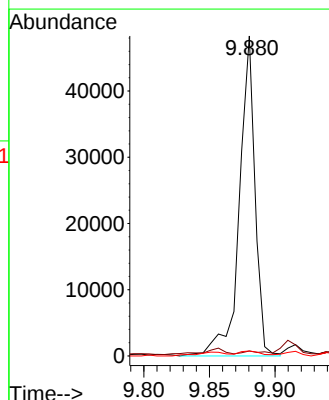
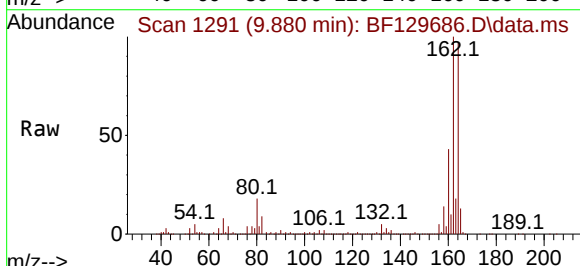
Tgt Ion:165 Resp: 40471

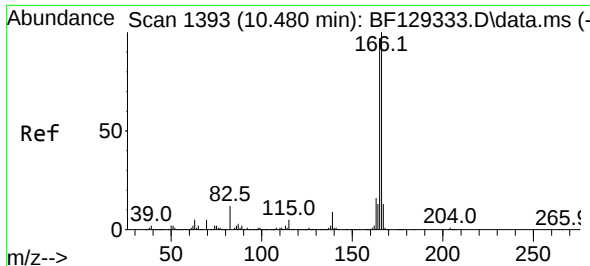
Ion Ratio Lower Upper

165 100

63 1.6 44.9 67.3#

89 1.6 43.6 65.4#

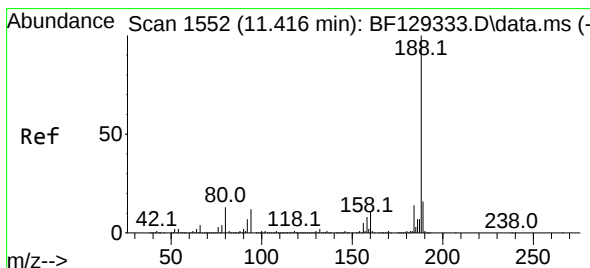
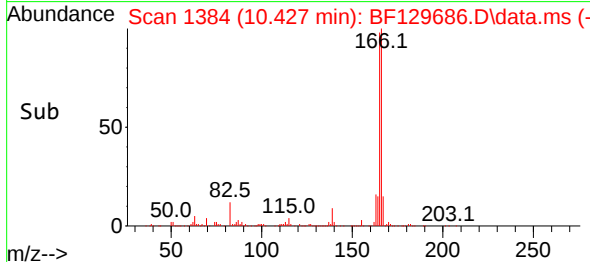
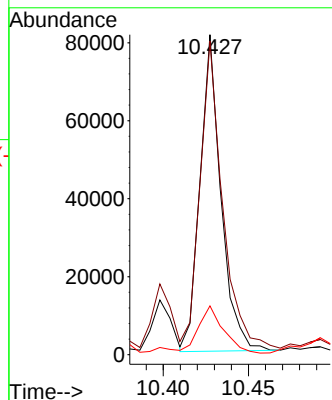
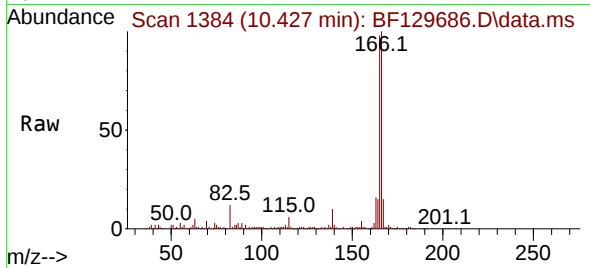




#58
 Fluorene
 Concen: 3.843 ng
 RT: 10.427 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129686.D
 Acq: 10 Aug 2022 02:12

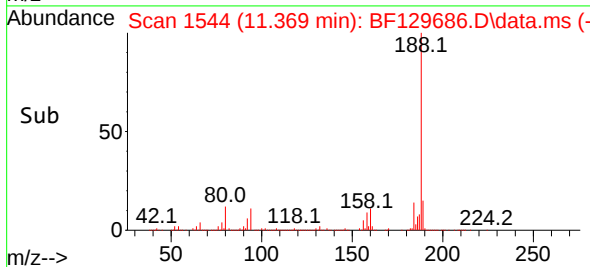
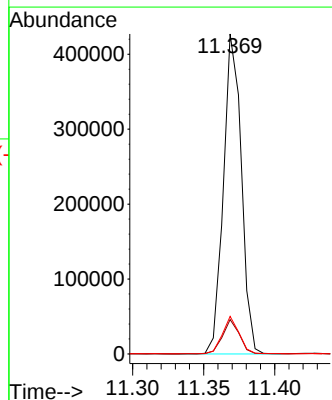
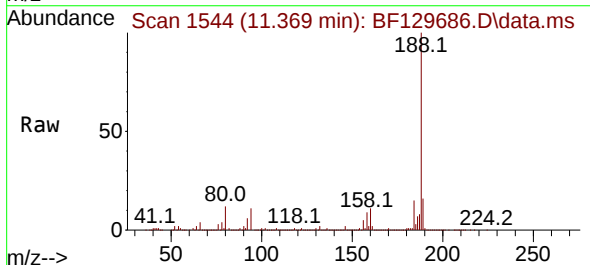
Instrument :
 BNA_F
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 BU-02-080522RE

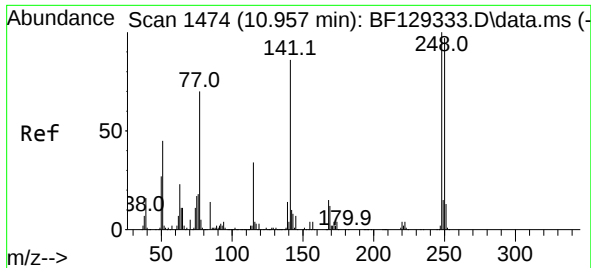
Tgt Ion:166 Resp: 69379
 Ion Ratio Lower Upper
 166 100
 165 98.0 78.1 117.1
 167 15.2 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.369 min Scan# 1544
 Delta R.T. -0.012 min
 Lab File: BF129686.D
 Acq: 10 Aug 2022 02:12

Tgt Ion:188 Resp: 374159
 Ion Ratio Lower Upper
 188 100
 94 10.8 7.0 10.6#
 80 11.7 7.6 11.4#

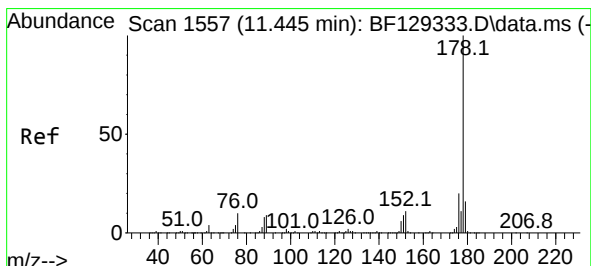
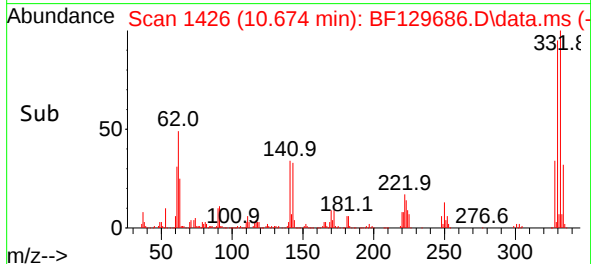
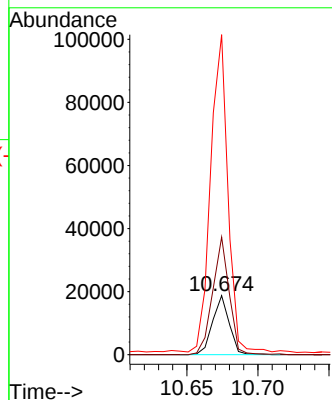
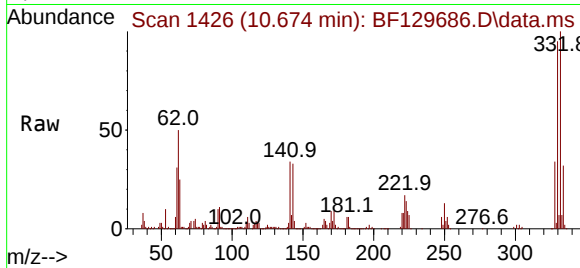




#67
4-Bromophenyl-phenylether
Concen: 3.737 ng
RT: 10.674 min Scan# 1426
Delta R.T. -0.247 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

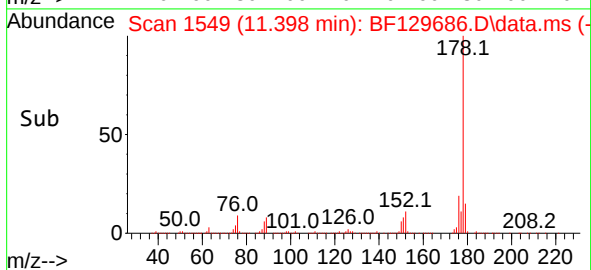
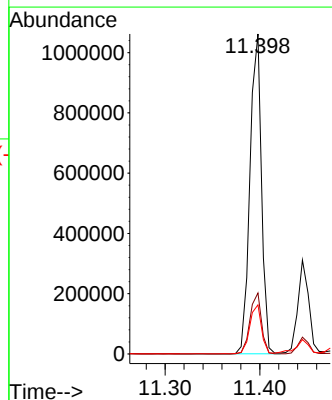
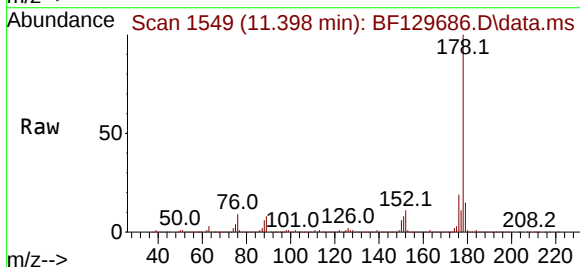
Instrument :
BNA_F
ClientSampleId :
BU-02-080522RE

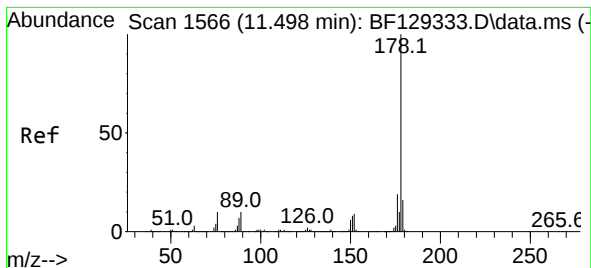
Tgt Ion:248 Resp: 15310
Ion Ratio Lower Upper
248 100
250 199.1 80.6 120.8#
141 541.9 58.9 88.3#



#71
Phenanthrene
Concen: 44.101 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Tgt Ion:178 Resp: 900729
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.4 12.6 19.0





#72

Anthracene

Concen: 12.087 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF129686.D

Acq: 10 Aug 2022 02:12

Instrument :

BNA_F

ClientSampleId :

BU-02-080522RE

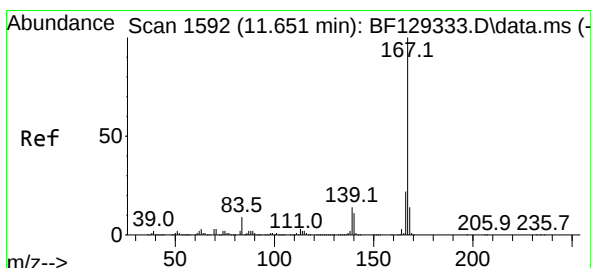
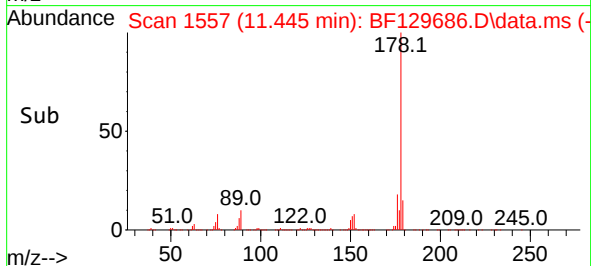
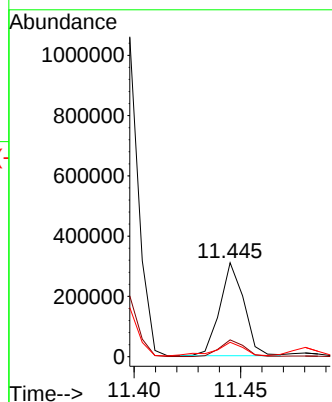
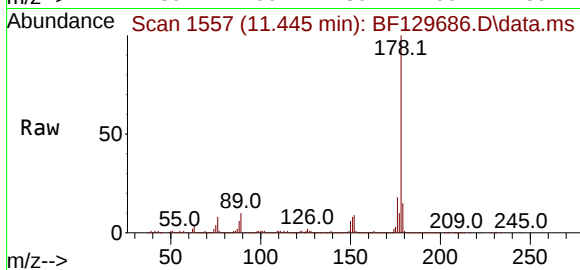
Tgt Ion:178 Resp: 242602

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

179 15.4 12.6 19.0



#73

Carbazole

Concen: 3.538 ng

RT: 11.604 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF129686.D

Acq: 10 Aug 2022 02:12

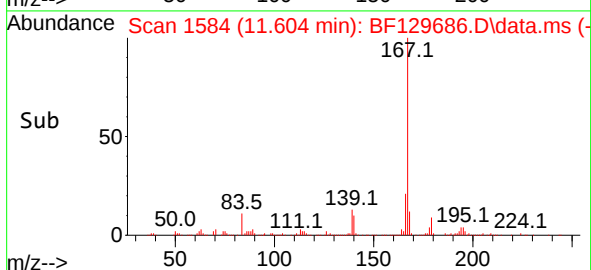
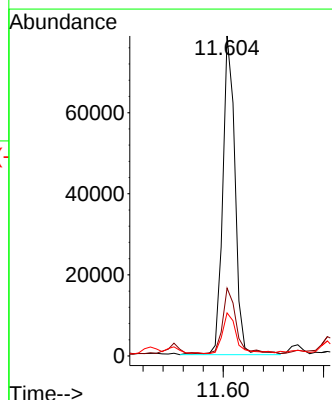
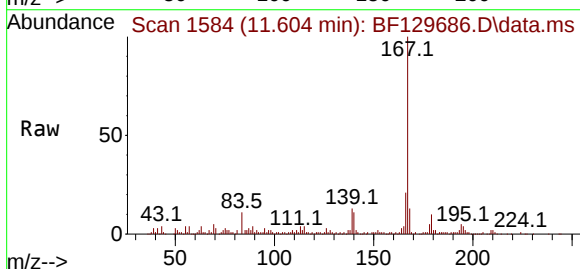
Tgt Ion:167 Resp: 66842

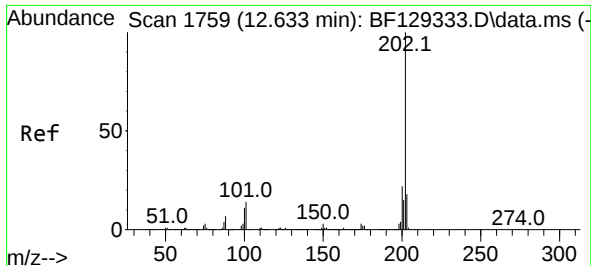
Ion Ratio Lower Upper

167 100

166 21.2 17.7 26.5

139 13.5 11.2 16.8

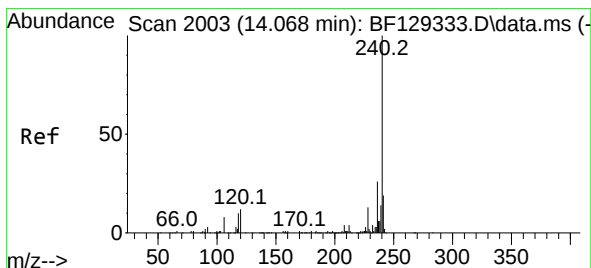
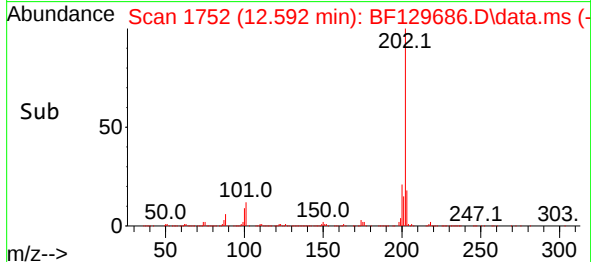
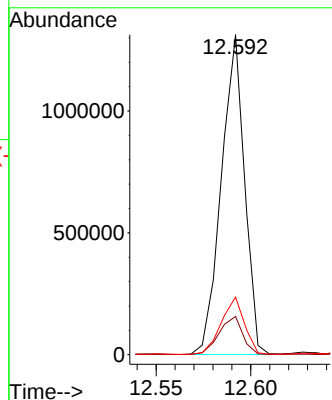
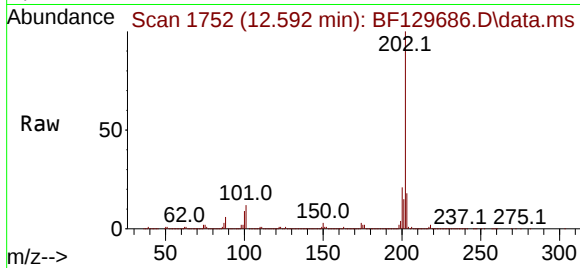




#75
Fluoranthene
Concen: 54.157 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

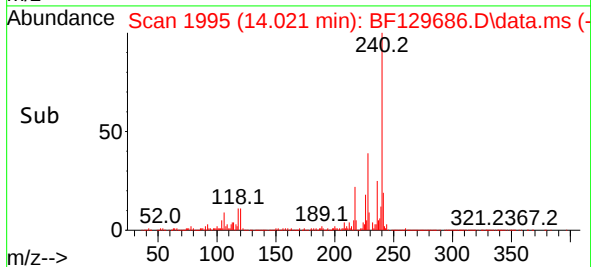
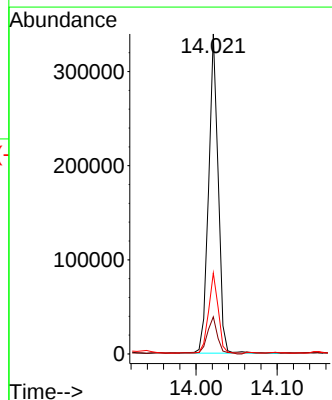
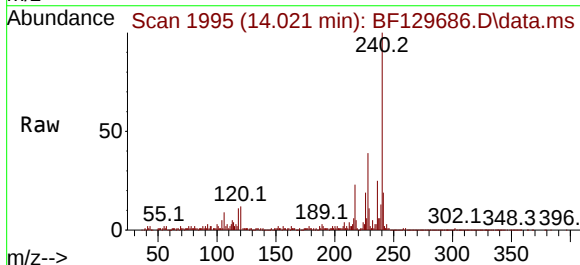
Instrument :
BNA_F
ClientSampleId :
BU-02-080522RE

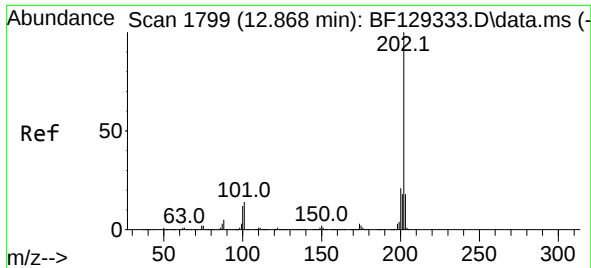
Tgt Ion:202 Resp: 1120757
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.4
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Tgt Ion:240 Resp: 276544
Ion Ratio Lower Upper
240 100
120 11.6 8.9 13.3
236 25.3 20.8 31.2

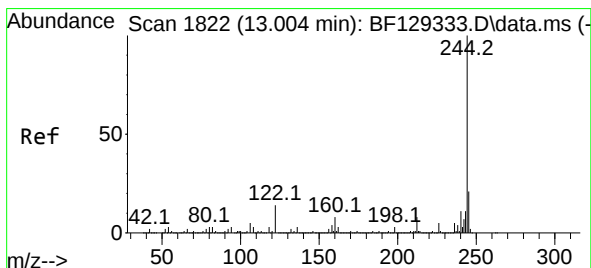
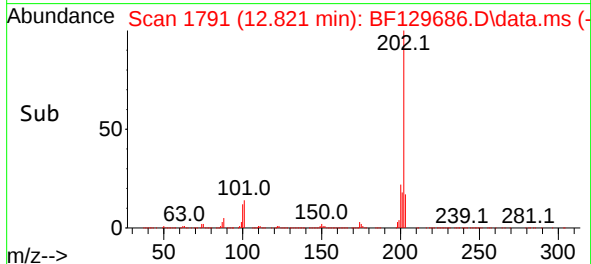
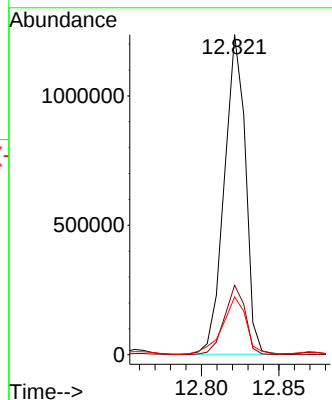
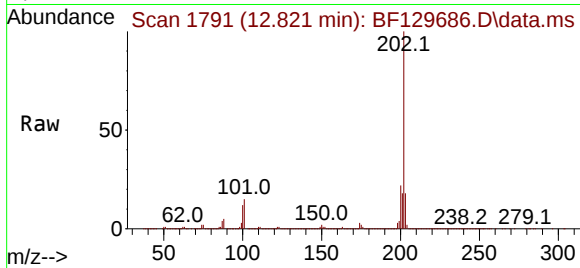




#78
Pyrene
Concen: 50.660 ng
RT: 12.821 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

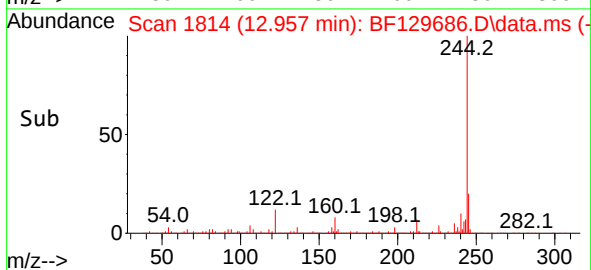
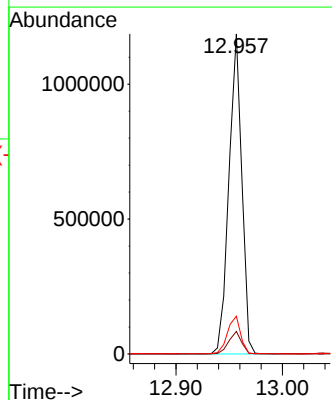
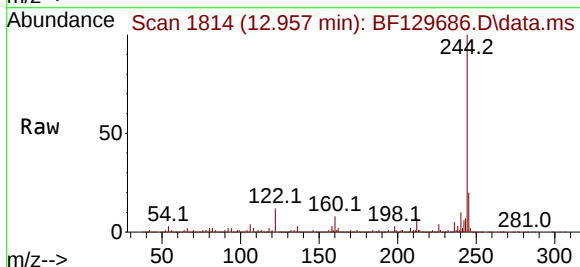
Instrument :
BNA_F
ClientSampleId :
BU-02-080522RE

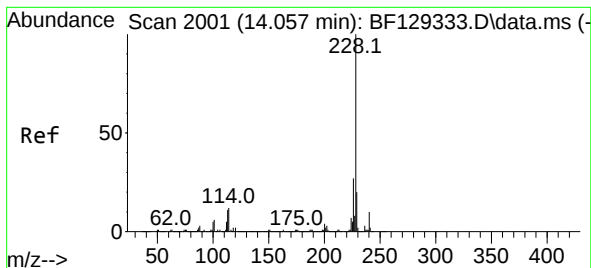
Tgt Ion:202 Resp: 1171528
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 18.0 14.6 21.8



#79
Terphenyl-d14
Concen: 67.907 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Tgt Ion:244 Resp: 995407
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 11.8 8.8 13.2





#81

Benzo(a)anthracene

Concen: 30.851 ng

RT: 14.010 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF129686.D

Acq: 10 Aug 2022 02:12

Instrument :

BNA_F

ClientSampleId :

BU-02-080522RE

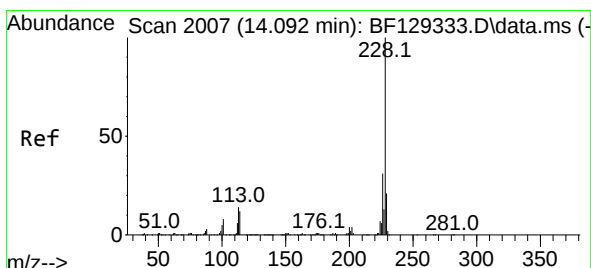
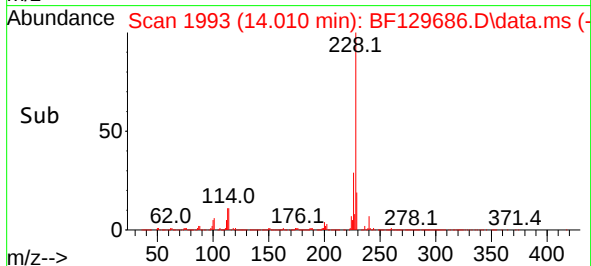
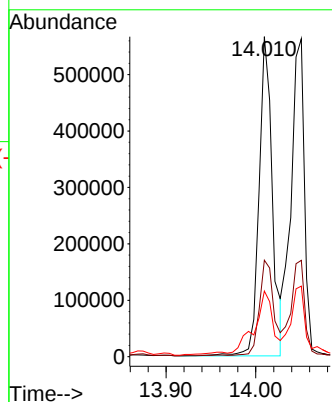
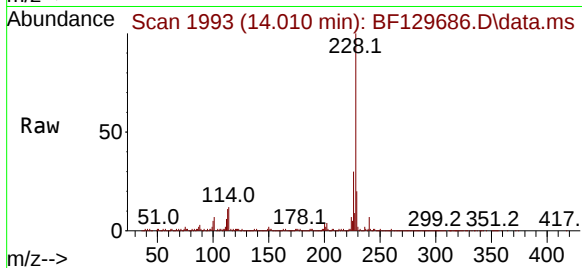
Tgt Ion:228 Resp: 582786

Ion Ratio Lower Upper

228 100

226 30.2 22.1 33.1

229 20.5 15.8 23.8



#83

Chrysene

Concen: 32.668 ng

RT: 14.051 min Scan# 2000

Delta R.T. -0.006 min

Lab File: BF129686.D

Acq: 10 Aug 2022 02:12

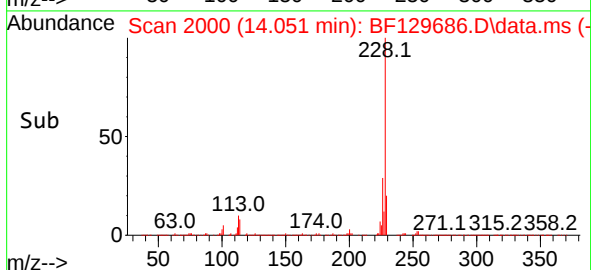
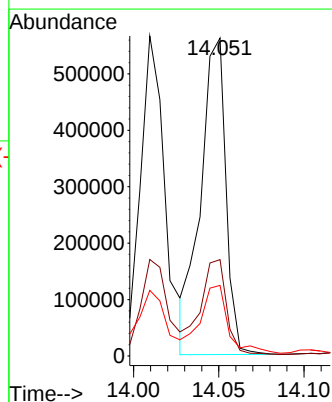
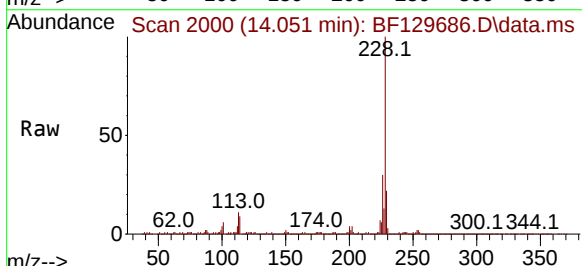
Tgt Ion:228 Resp: 581604

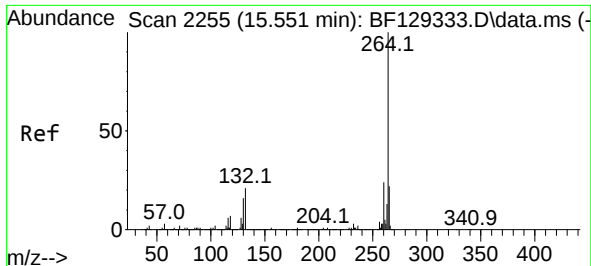
Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 22.2 15.9 23.9

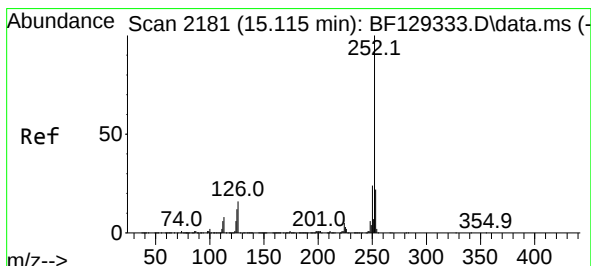
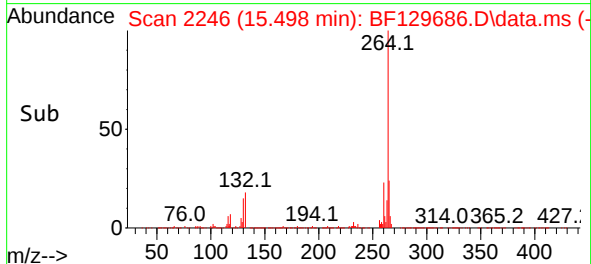
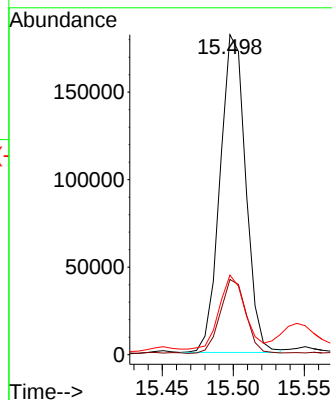
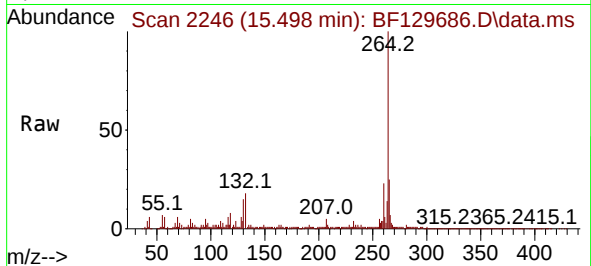




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

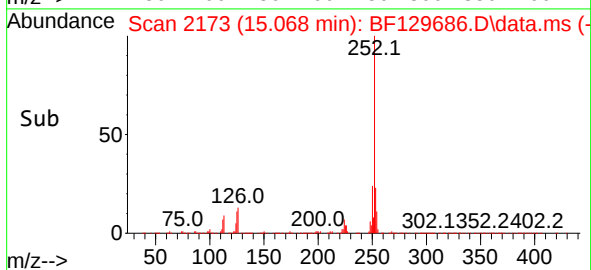
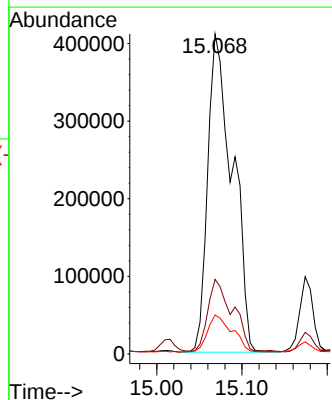
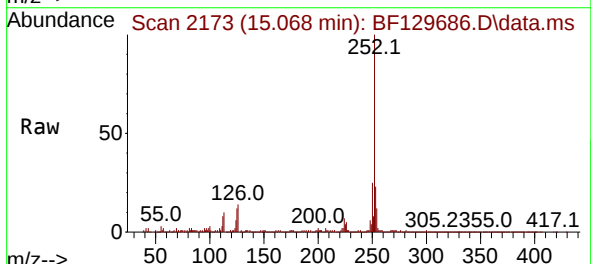
Instrument :
BNA_F
ClientSampleId :
BU-02-080522RE

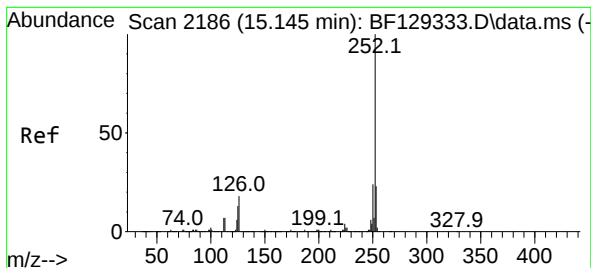
Tgt Ion:264 Resp: 227670
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 24.9 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 54.864 ng
RT: 15.068 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Tgt Ion:252 Resp: 828566
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 12.2 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 55.986 ng

RT: 15.068 min Scan# 2186

Delta R.T. -0.035 min

Lab File: BF129686.D

Acq: 10 Aug 2022 02:12

Instrument :

BNA_F

ClientSampleId :

BU-02-080522RE

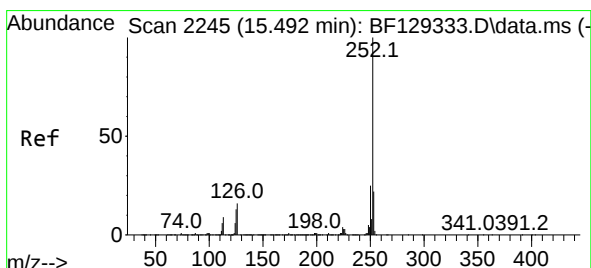
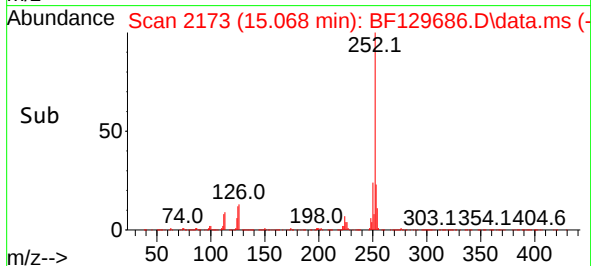
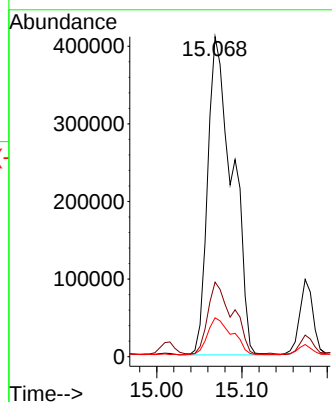
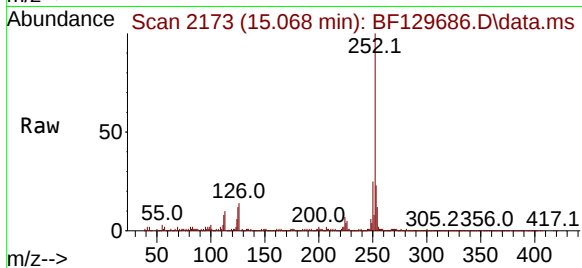
Tgt Ion:252 Resp: 828566

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 12.2 8.3 12.5



#90

Benzo(a)pyrene

Concen: 36.187 ng

RT: 15.439 min Scan# 2236

Delta R.T. -0.000 min

Lab File: BF129686.D

Acq: 10 Aug 2022 02:12

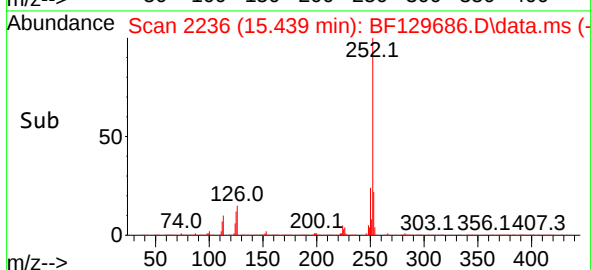
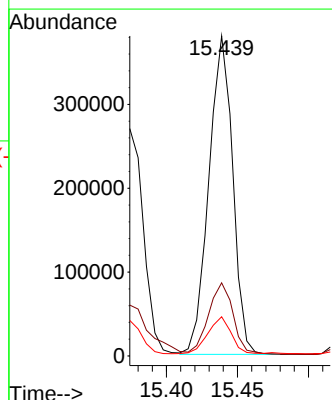
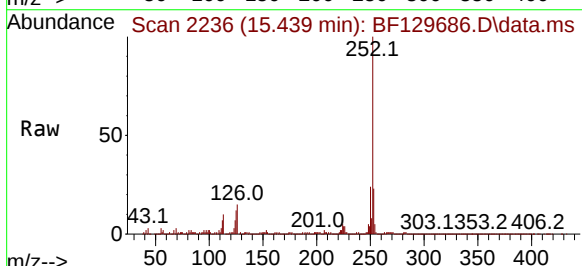
Tgt Ion:252 Resp: 443639

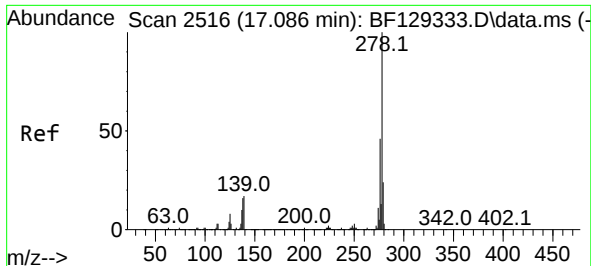
Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

125 12.2 8.8 13.2

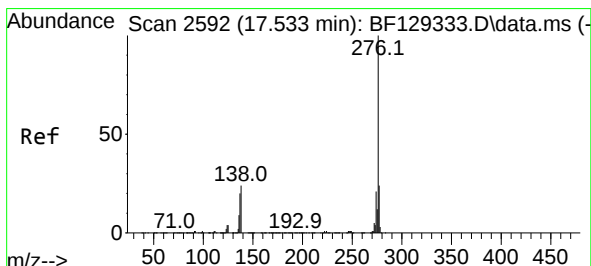
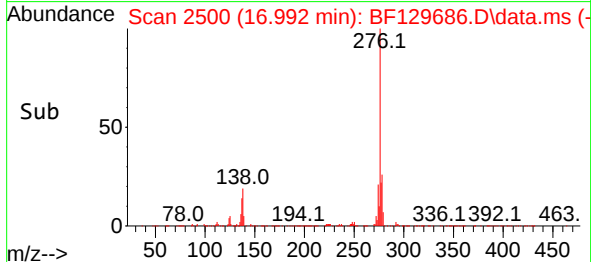
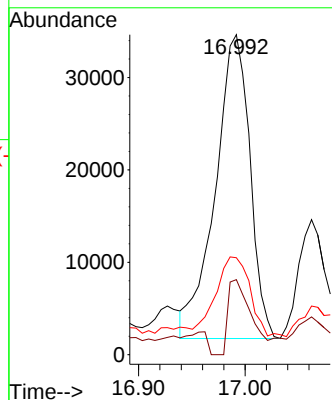
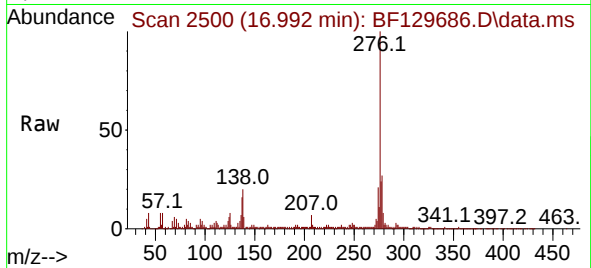




#91
Dibenzo(a,h)anthracene
Concen: 5.973 ng
RT: 16.992 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Instrument :
BNA_F
ClientSampleId :
BU-02-080522RE

Tgt Ion:278 Resp: 74535
Ion Ratio Lower Upper
278 100
139 23.4 12.8 19.2#
279 30.3 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 19.210 ng
RT: 17.445 min Scan# 2577
Delta R.T. -0.006 min
Lab File: BF129686.D
Acq: 10 Aug 2022 02:12

Tgt Ion:276 Resp: 244940
Ion Ratio Lower Upper
276 100
277 24.8 19.1 28.7
138 22.5 18.0 27.0

