

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129633.D
 Acq On : 08 Aug 2022 15:20
 Operator : CG\JU
 Sample : N4054-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080422DL

Quant Time: Aug 08 15:43:31 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)

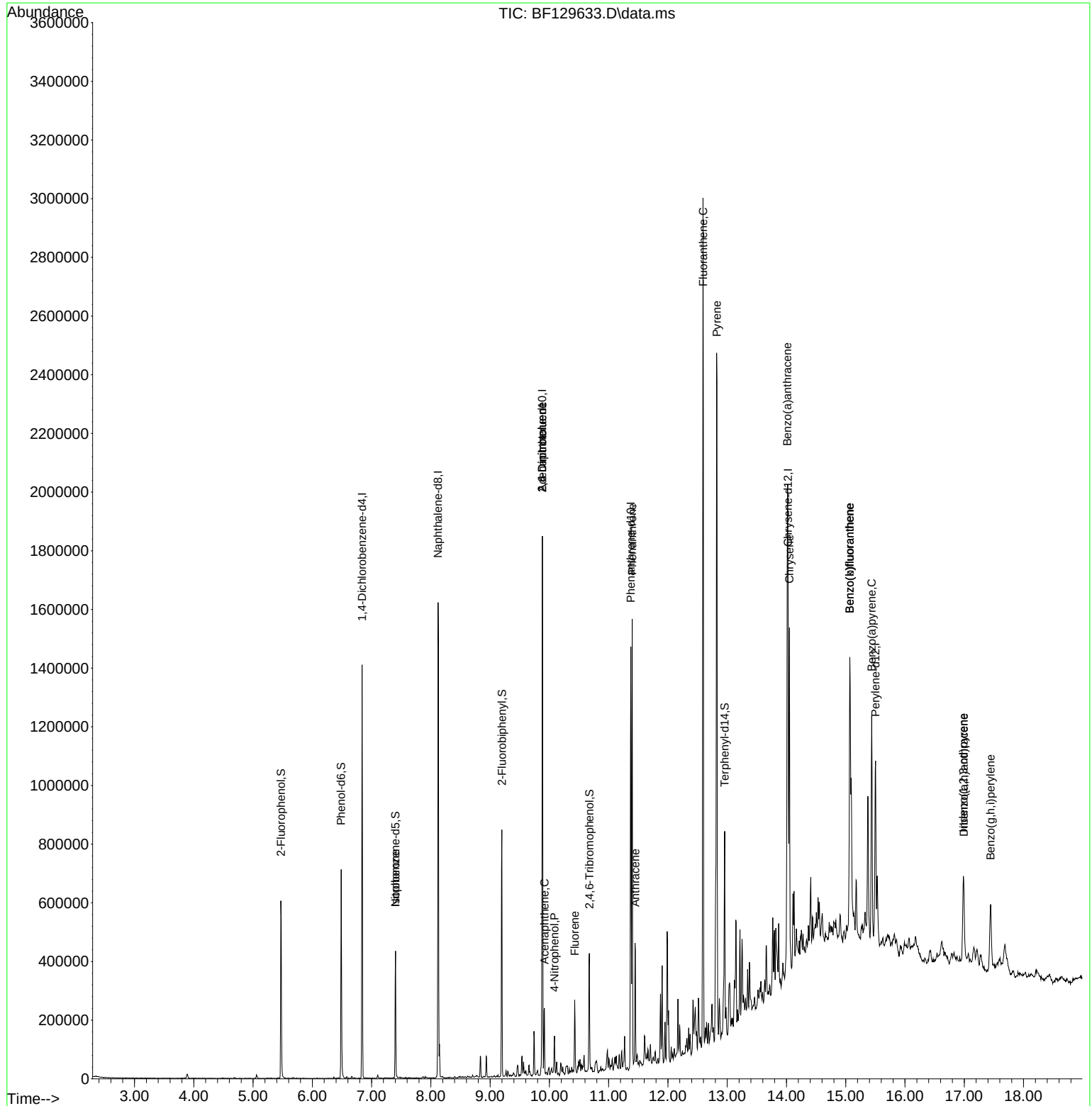
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	185507	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	711452	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	343263	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	497718	20.000	ng	0.00
76) Chrysene-d12	14.027	240	367788	20.000	ng	0.00
86) Perylene-d12	15.504	264	279631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	171805	15.087	ng	-0.01
7) Phenol-d6	6.487	99	216649	15.136	ng	-0.02
23) Nitrobenzene-d5	7.404	82	126365	9.696	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	42403	12.849	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	239032	10.772	ng	-0.01
79) Terphenyl-d14	12.957	244	217450	11.154	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.404	82	125383	5.367	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	44984	8.482	ng	# 26
52) Acenaphthene	9.916	154	45930	2.285	ng	99
56) 4-Nitrophenol	10.086	139	15086	3.265	ng	# 11
57) 2,4-Dinitrotoluene	9.880	165	44984	6.493	ng	# 22
58) Fluorene	10.427	166	65608	2.960	ng	99
71) Phenanthrene	11.398	178	501252	18.449	ng	98
72) Anthracene	11.451	178	165294	6.191	ng	97
75) Fluoranthene	12.592	202	1118852	40.643	ng	98
78) Pyrene	12.827	202	1054782	34.296	ng	98
81) Benzo(a)anthracene	14.015	228	514770	20.490	ng	97
83) Chrysene	14.051	228	447370	18.894	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	195540	10.384	ng	# 94
88) Benzo(b)fluoranthene	15.068	252	671724	36.214	ng	# 96
89) Benzo(k)fluoranthene	15.068	252	671724	36.954	ng	97
90) Benzo(a)pyrene	15.439	252	339069	22.518	ng	96
91) Dibenzo(a,h)anthracene	16.992	278	50047	3.265	ng	# 77
92) Benzo(g,h,i)perylene	17.445	276	184182	11.761	ng	100

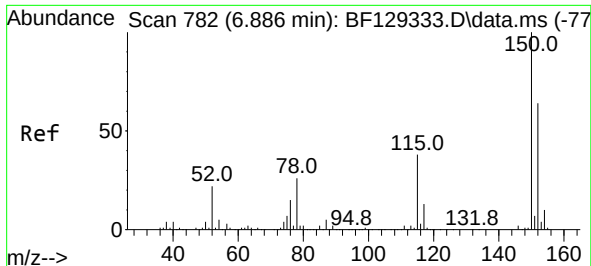
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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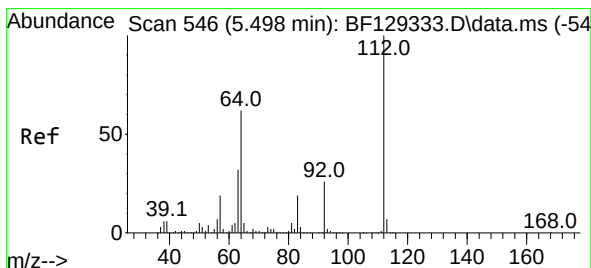
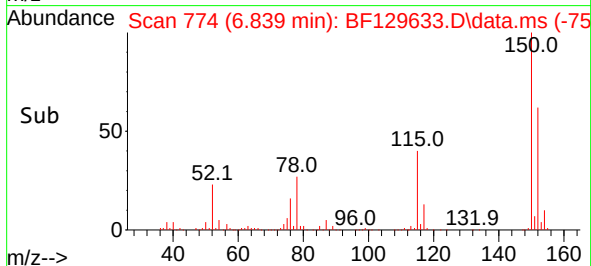
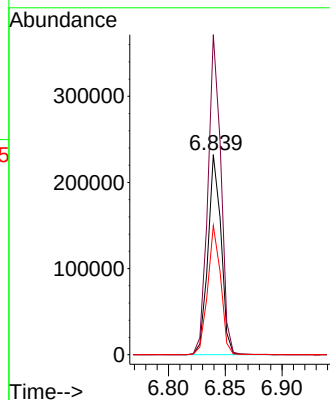
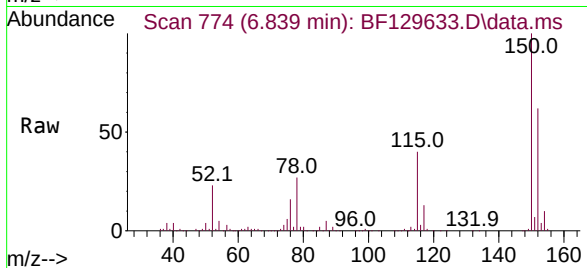




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.839 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: BF129633.D
 Acq: 08 Aug 2022 15:20

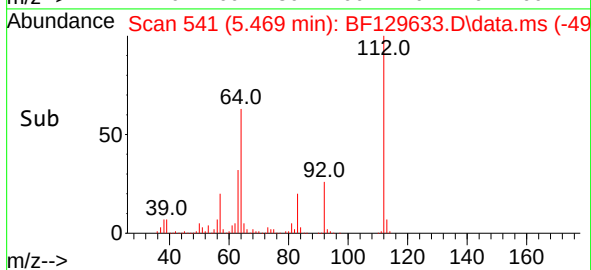
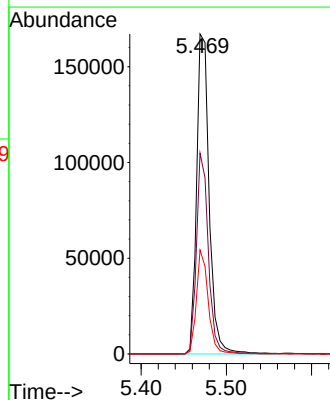
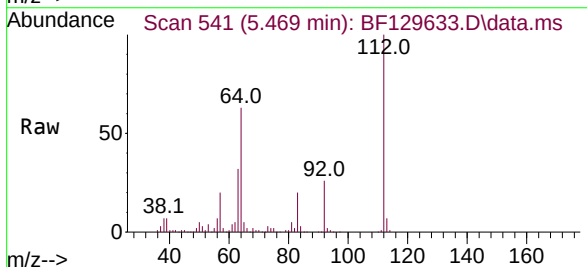
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080422DL

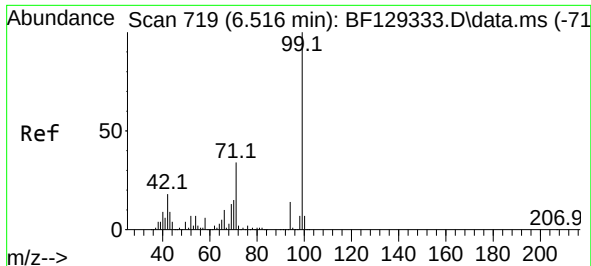
Tgt Ion:152 Resp: 185507
 Ion Ratio Lower Upper
 152 100
 150 160.0 123.7 185.5
 115 64.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 15.087 ng
 RT: 5.469 min Scan# 541
 Delta R.T. -0.012 min
 Lab File: BF129633.D
 Acq: 08 Aug 2022 15:20

Tgt Ion:112 Resp: 171805
 Ion Ratio Lower Upper
 112 100
 64 62.7 53.3 79.9
 63 32.5 28.0 42.0

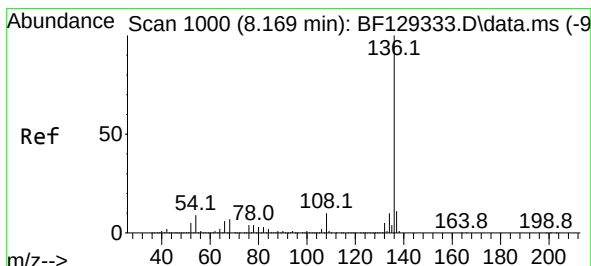
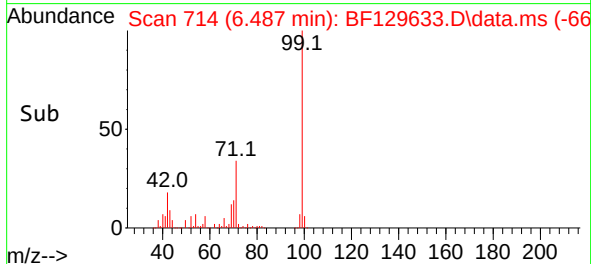
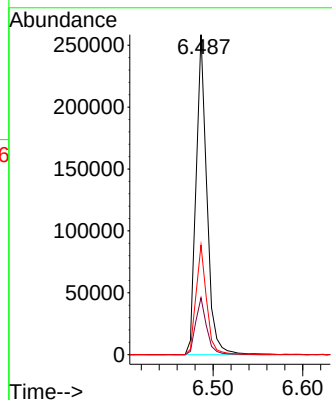
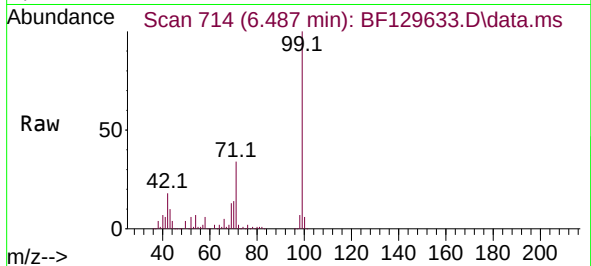




#7
Phenol-d6
Concen: 15.136 ng
RT: 6.487 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

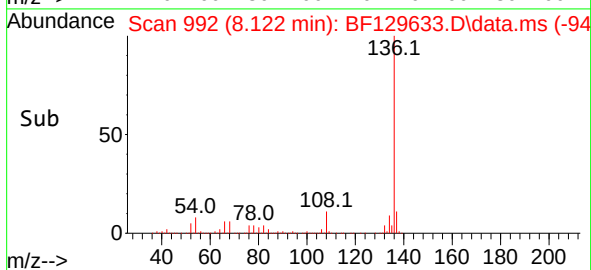
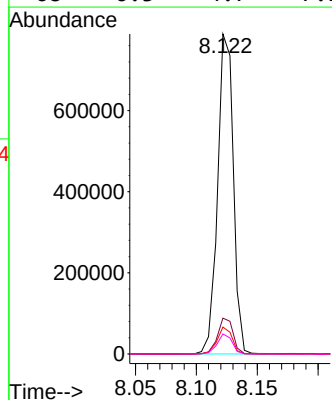
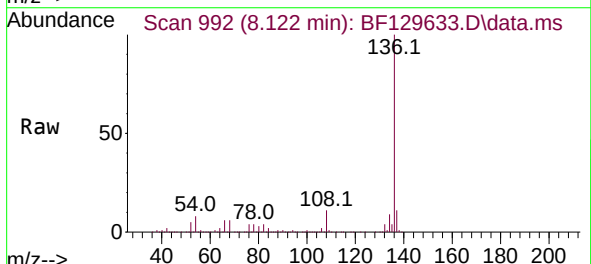
Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL

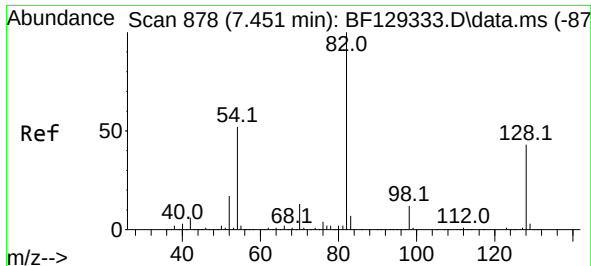
Tgt Ion: 99 Resp: 216649
Ion Ratio Lower Upper
99 100
42 17.8 17.3 25.9
71 34.3 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion: 136 Resp: 711452
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.4 7.5 11.3
68 6.3 4.7 7.1

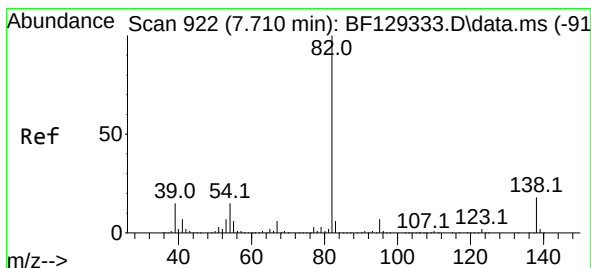
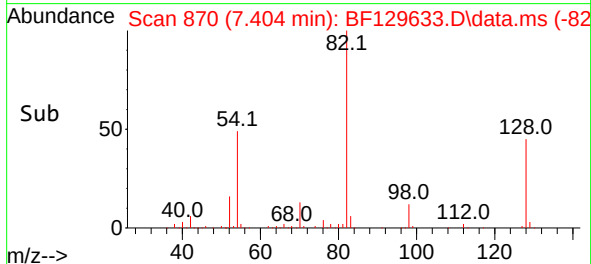
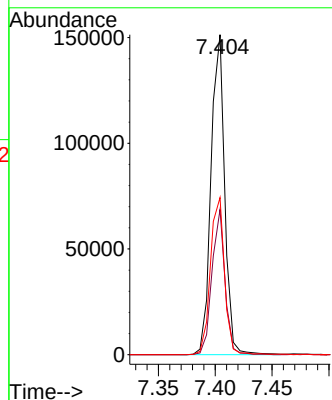
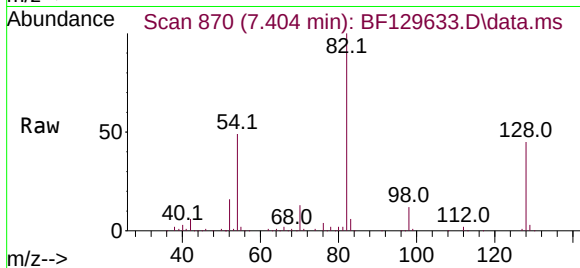




#23
Nitrobenzene-d5
Concen: 9.696 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

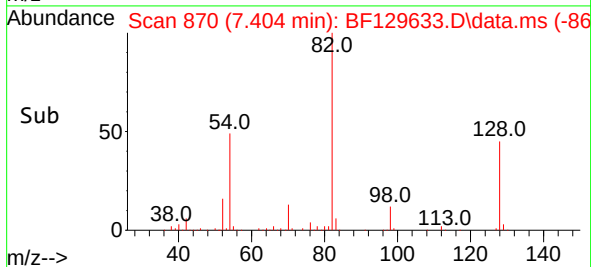
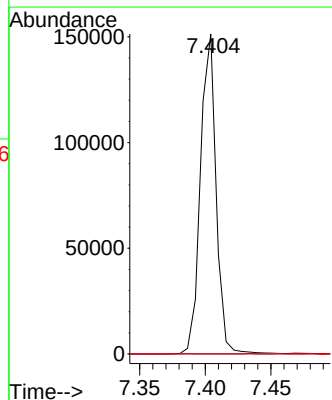
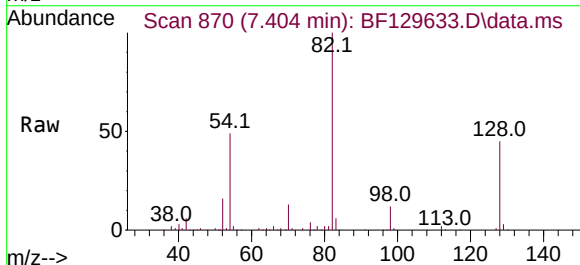
Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL

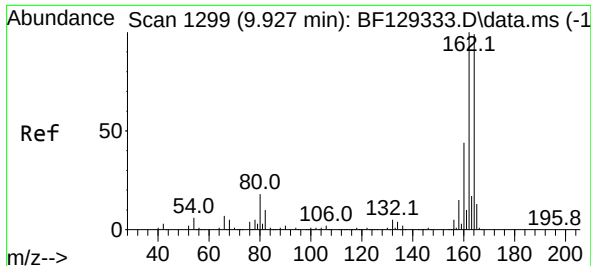
Tgt Ion: 82 Resp: 126365
Ion Ratio Lower Upper
82 100
128 45.4 34.0 51.0
54 49.1 46.9 70.3



#25
Isophorone
Concen: 5.367 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.277 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion: 82 Resp: 125383
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: 9.880 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129633.D

Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

OR-02-080422DL

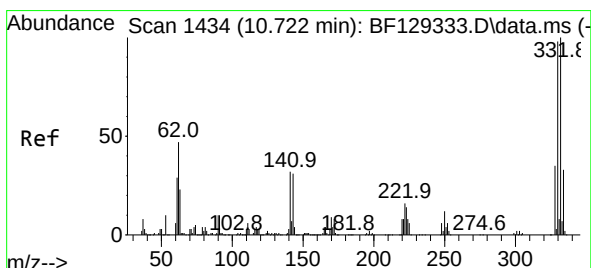
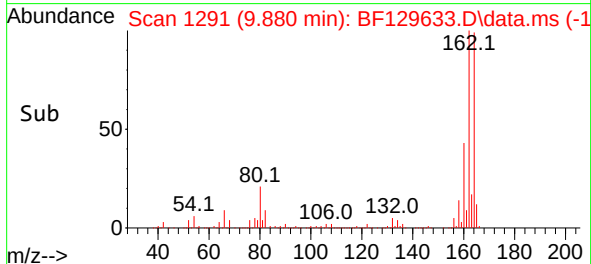
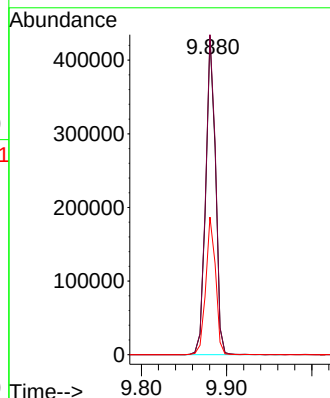
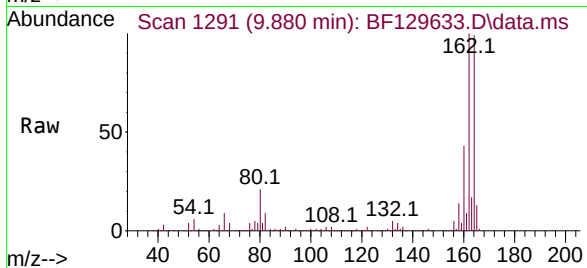
Tgt Ion:164 Resp: 343263

Ion Ratio Lower Upper

164 100

162 100.8 79.5 119.3

160 43.3 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 12.849 ng

RT: 10.675 min Scan# 1426

Delta R.T. -0.012 min

Lab File: BF129633.D

Acq: 08 Aug 2022 15:20

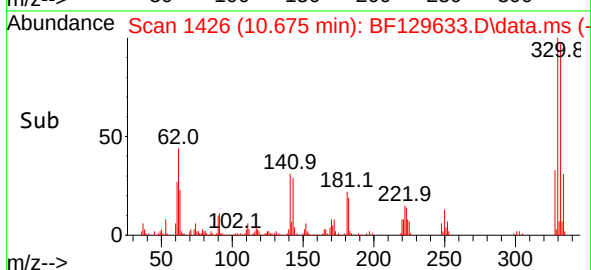
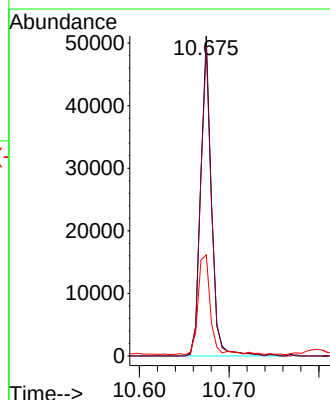
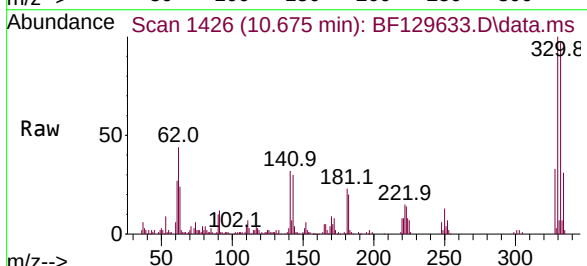
Tgt Ion:330 Resp: 42403

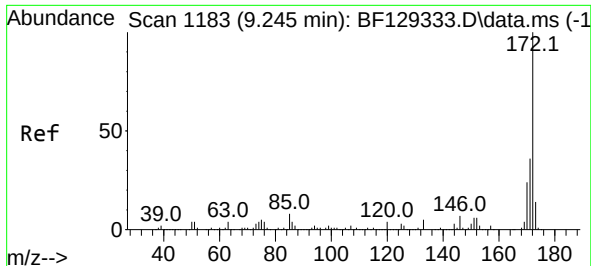
Ion Ratio Lower Upper

330 100

332 97.6 76.8 115.2

141 35.4 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 10.772 ng

RT: 9.198 min Scan# 1183

Delta R.T. -0.012 min

Lab File: BF129633.D

Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

OR-02-080422DL

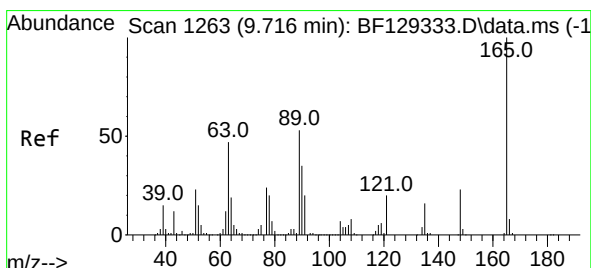
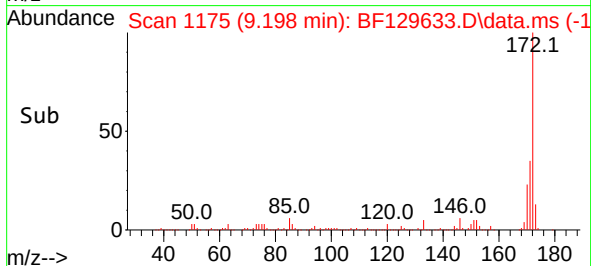
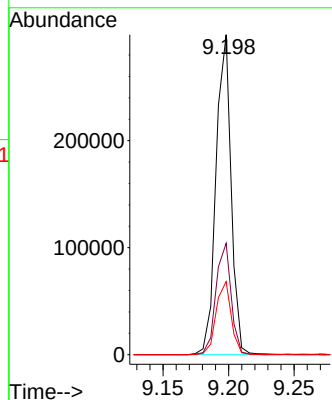
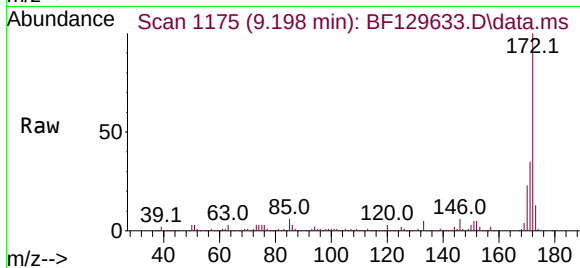
Tgt Ion:172 Resp: 239032

Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 22.9 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 8.482 ng

RT: 9.880 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF129633.D

Acq: 08 Aug 2022 15:20

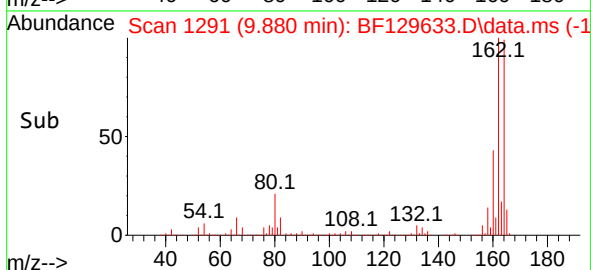
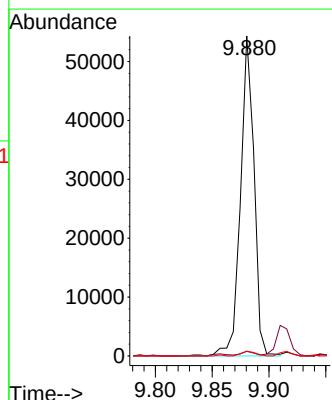
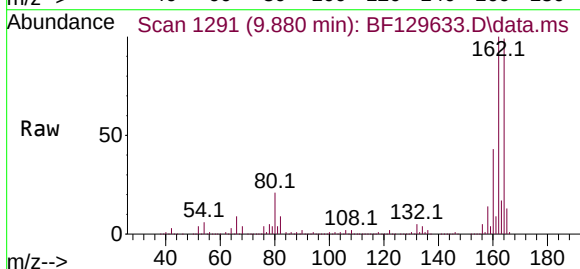
Tgt Ion:165 Resp: 44984

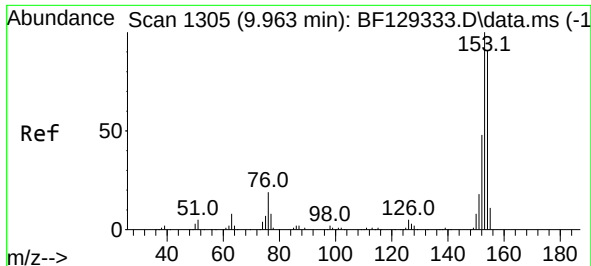
Ion Ratio Lower Upper

165 100

63 1.5 44.9 67.3#

89 1.5 43.6 65.4#

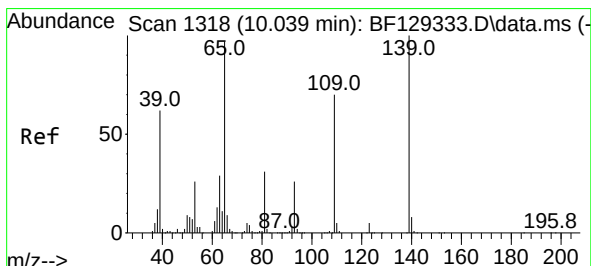
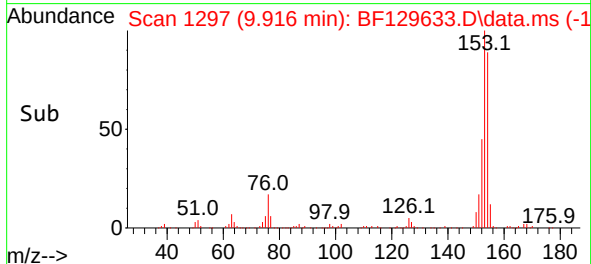
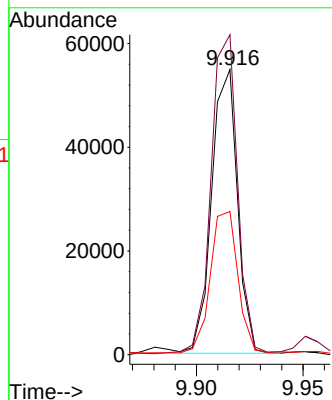
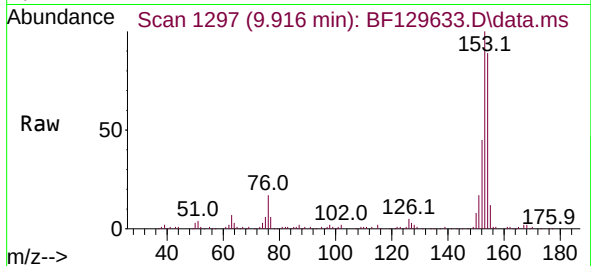




#52
Acenaphthene
Concen: 2.285 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

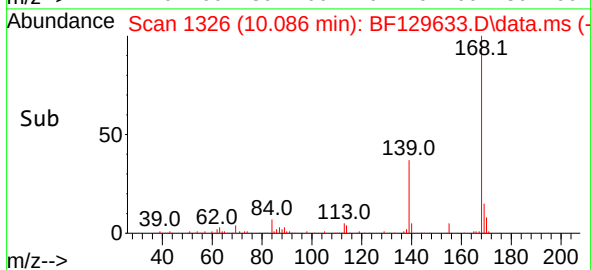
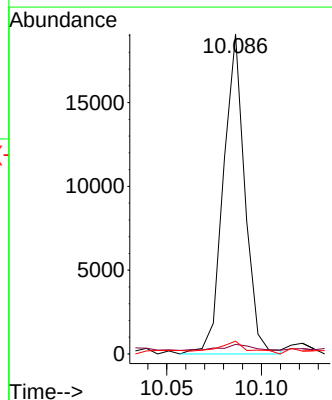
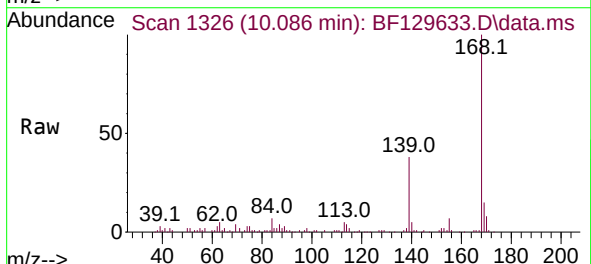
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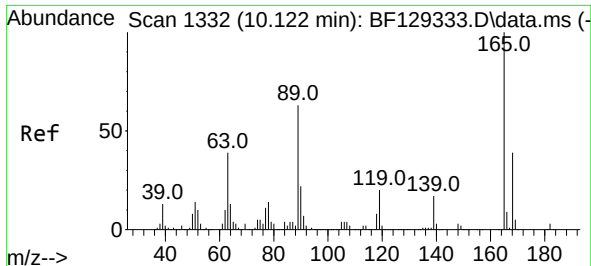
Tgt Ion:154 Resp: 45930
Ion Ratio Lower Upper
154 100
153 112.2 89.6 134.4
152 50.2 42.4 63.6



#56
4-Nitrophenol
Concen: 3.265 ng
RT: 10.086 min Scan# 1326
Delta R.T. 0.053 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:139 Resp: 15086
Ion Ratio Lower Upper
139 100
109 3.0 50.7 90.7#
65 4.0 74.5 114.5#

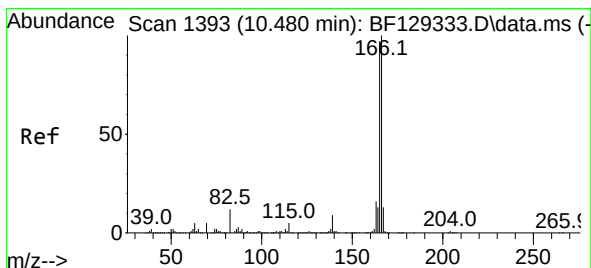
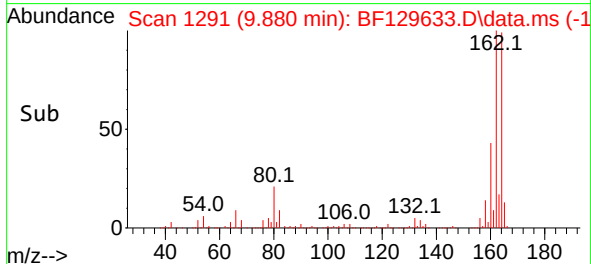
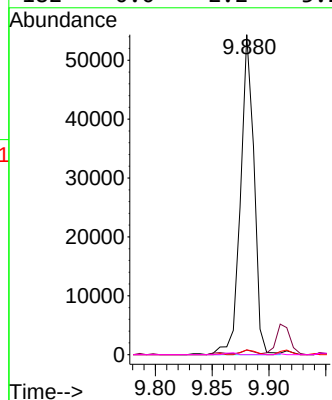
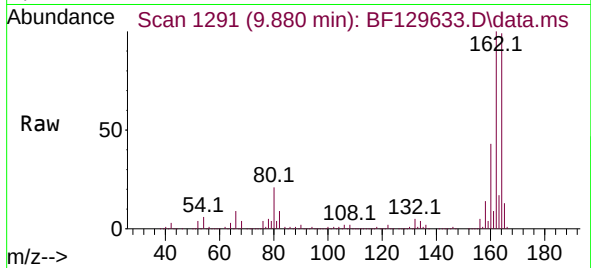




#57
2,4-Dinitrotoluene
Concen: 6.493 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

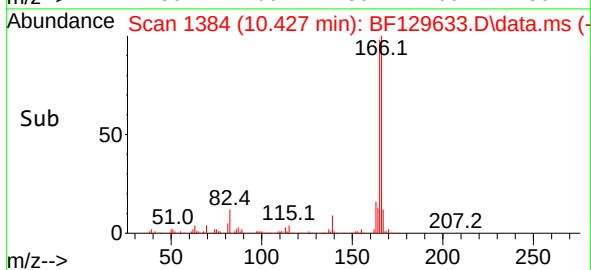
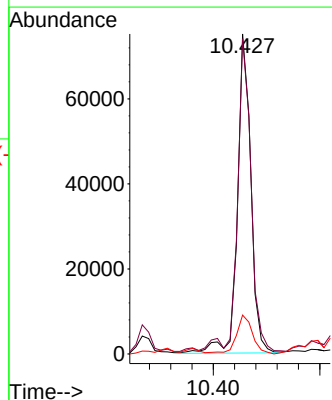
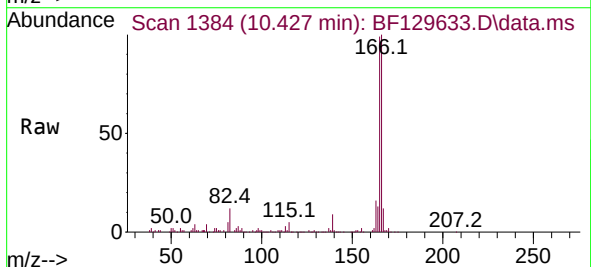
Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL

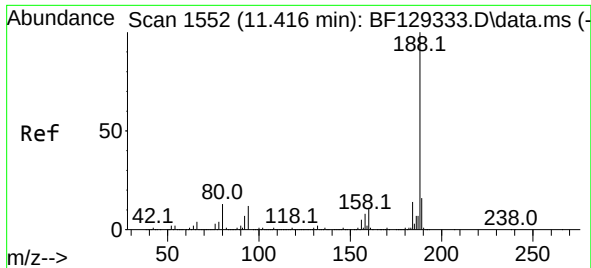
Tgt Ion:165 Resp: 44984
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 2.960 ng
RT: 10.427 min Scan# 1384
Delta R.T. -0.018 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:166 Resp: 65608
Ion Ratio Lower Upper
166 100
165 98.5 78.1 117.1
167 12.1 10.5 15.7

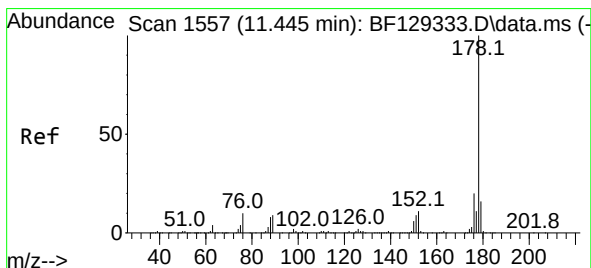
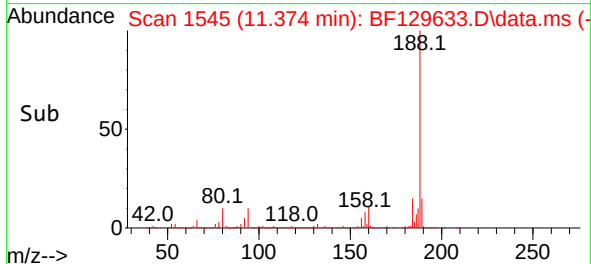
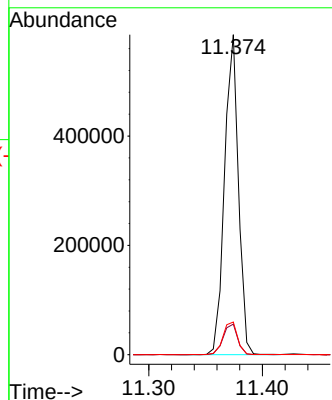
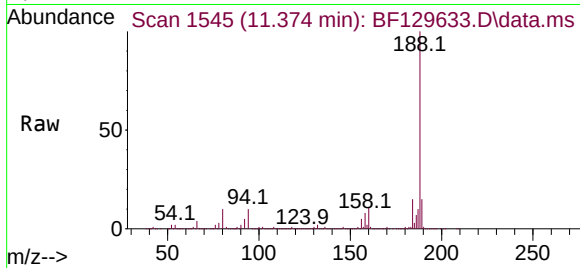




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

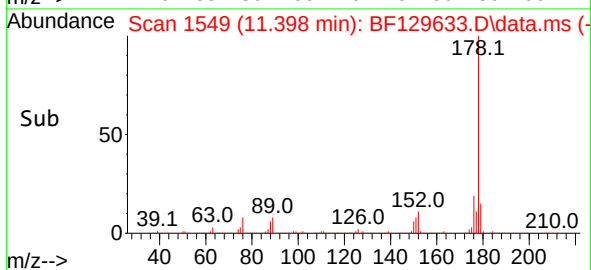
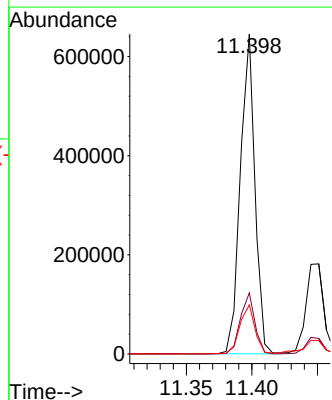
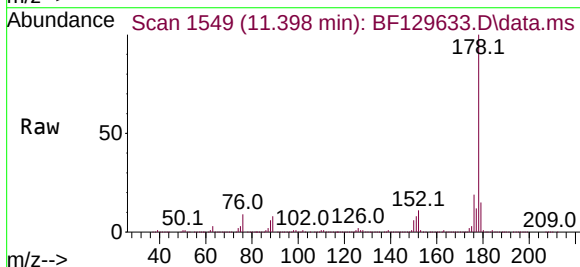
Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL

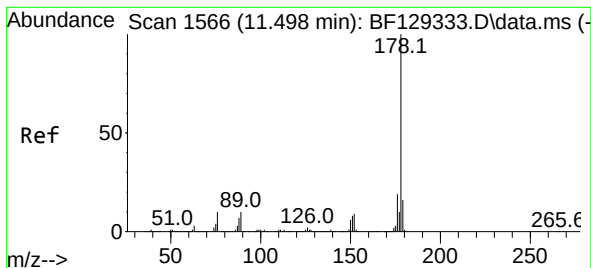
Tgt Ion:188 Resp: 497718
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.2 7.6 11.4



#71
Phenanthrene
Concen: 18.449 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:178 Resp: 501252
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.3 12.6 19.0





#72

Anthracene

Concen: 6.191 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129633.D

Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

OR-02-080422DL

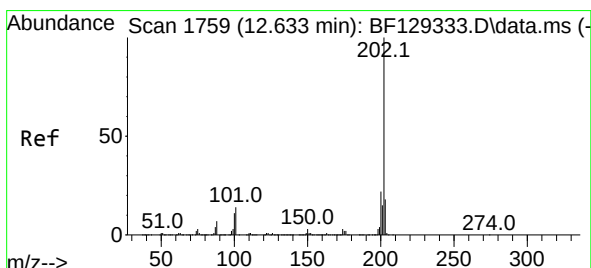
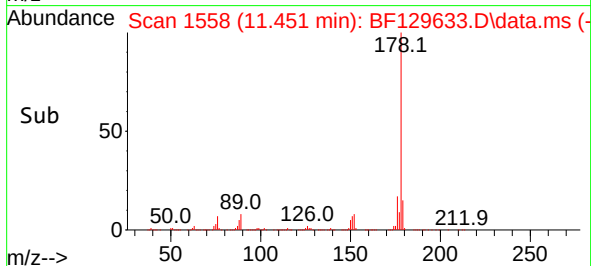
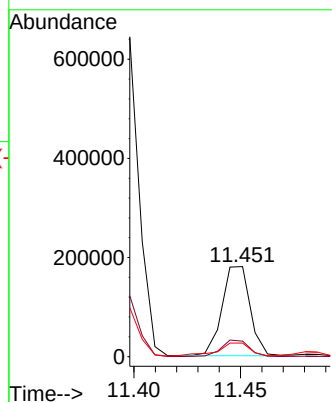
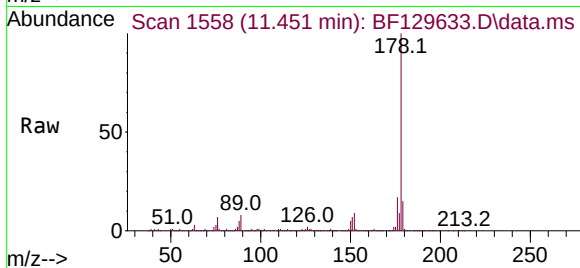
Tgt Ion:178 Resp: 165294

Ion Ratio Lower Upper

178 100

176 17.3 15.4 23.2

179 15.1 12.6 19.0



#75

Fluoranthene

Concen: 40.643 ng

RT: 12.592 min Scan# 1752

Delta R.T. -0.006 min

Lab File: BF129633.D

Acq: 08 Aug 2022 15:20

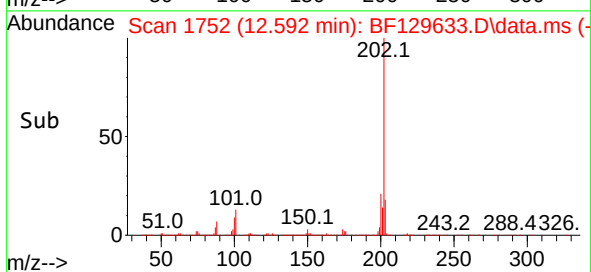
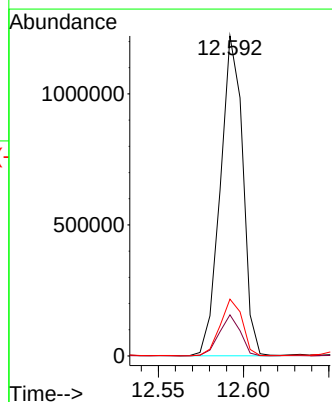
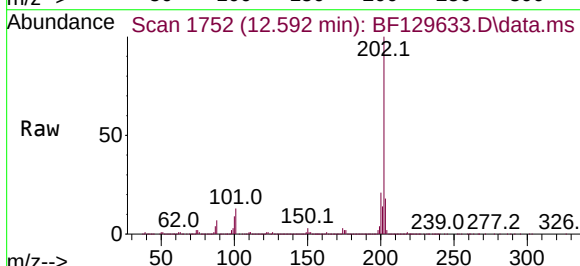
Tgt Ion:202 Resp: 1118852

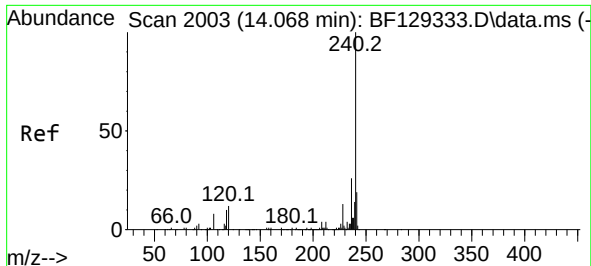
Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.4

203 17.7 0.0 38.0

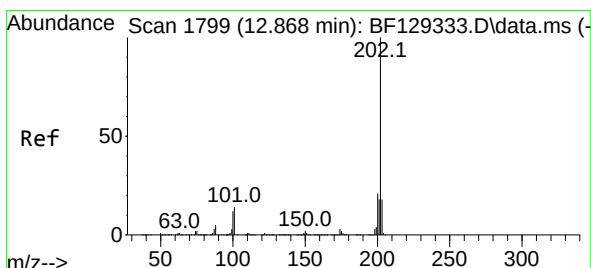
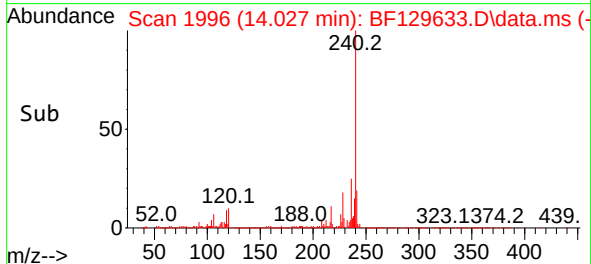
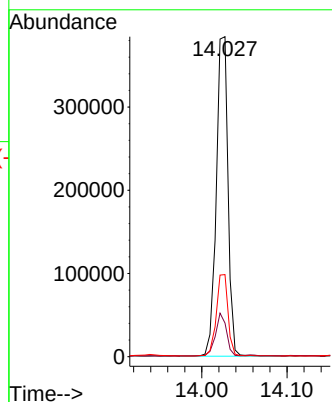
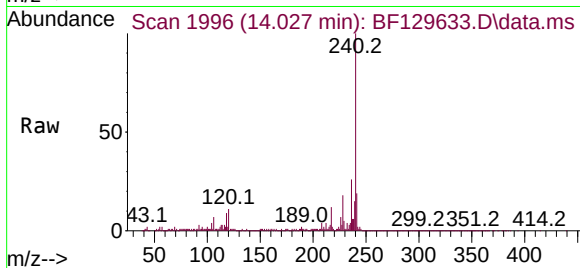




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

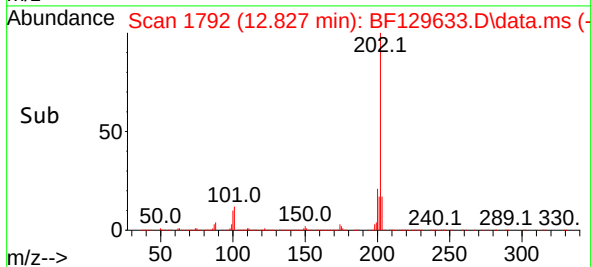
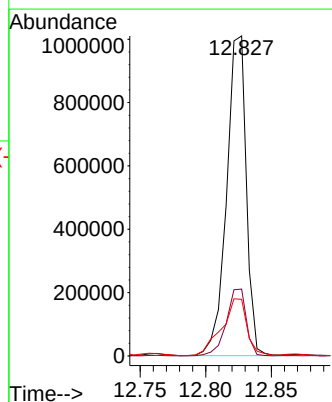
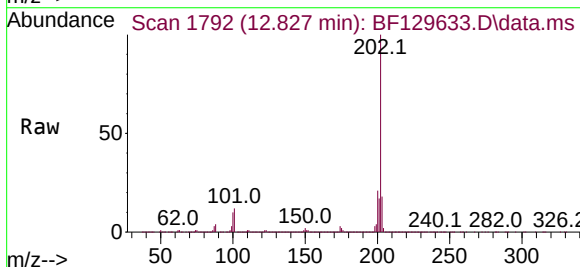
Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL

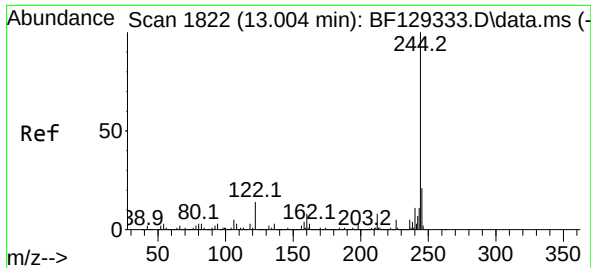
Tgt Ion:240 Resp: 367788
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.6 20.8 31.2



#78
Pyrene
Concen: 34.296 ng
RT: 12.827 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:202 Resp: 1054782
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 17.7 14.6 21.8

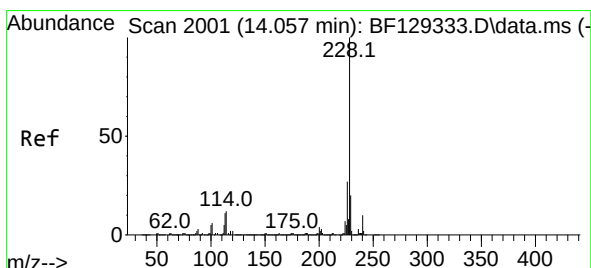
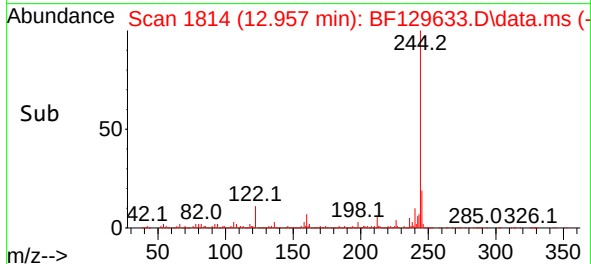
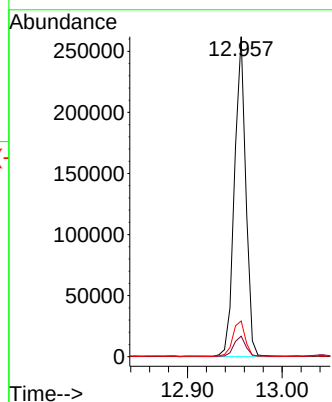
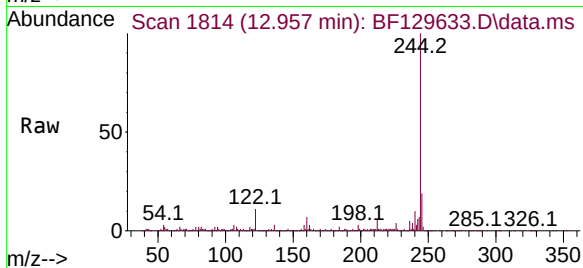




#79
 Terphenyl-d14
 Concen: 11.154 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129633.D
 Acq: 08 Aug 2022 15:20

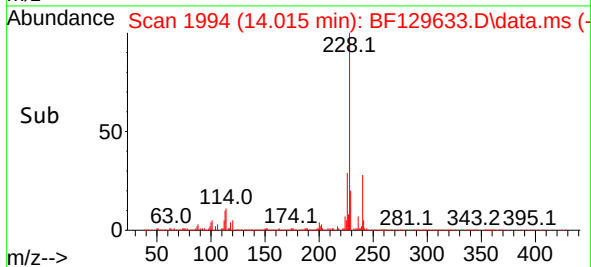
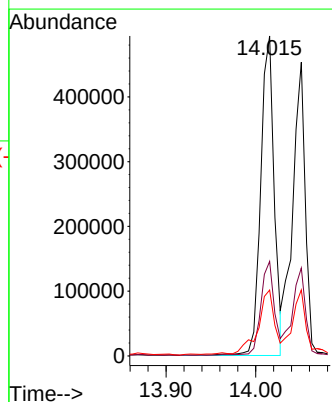
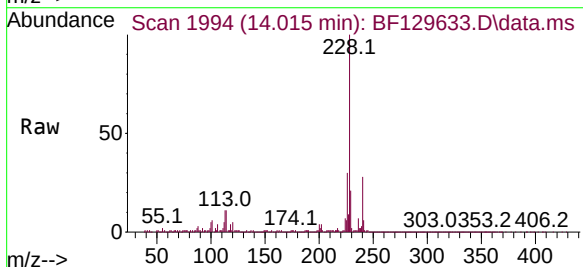
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080422DL

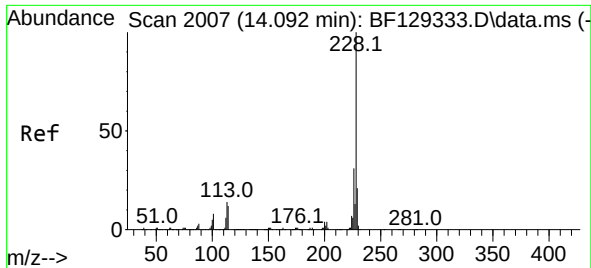
Tgt Ion:244 Resp: 217450
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.1 9.1
 122 11.2 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 20.490 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: BF129633.D
 Acq: 08 Aug 2022 15:20

Tgt Ion:228 Resp: 514770
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.1 33.1
 229 20.6 15.8 23.8

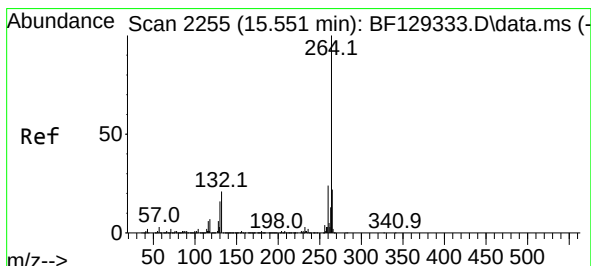
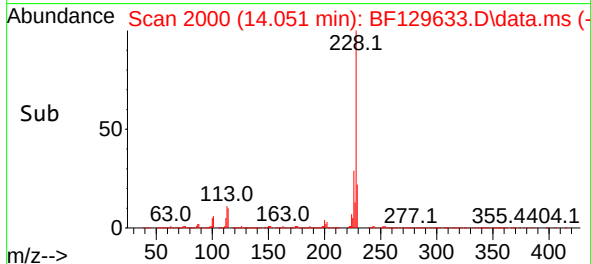
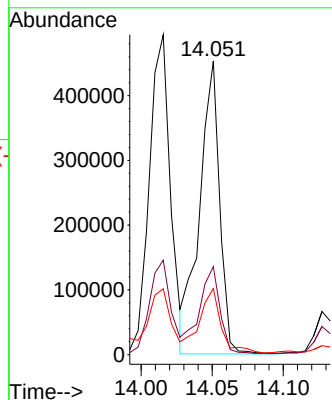
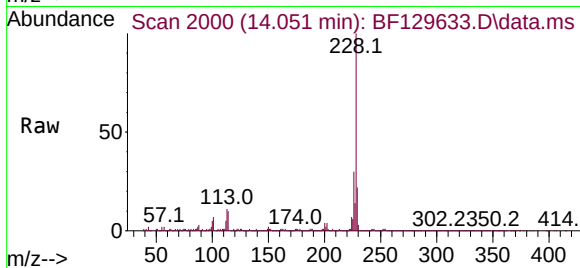




#83
Chrysene
Concen: 18.894 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

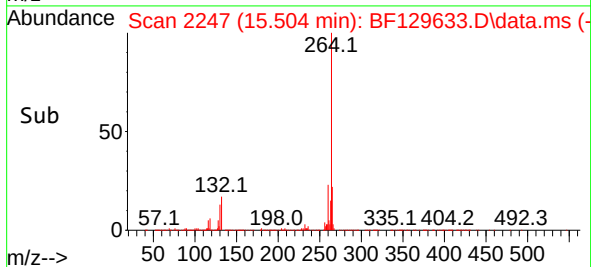
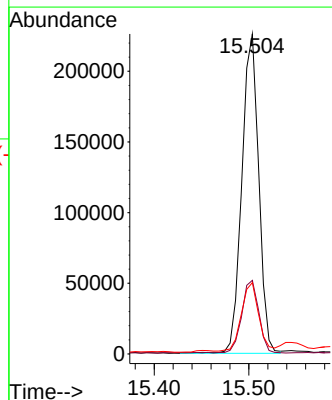
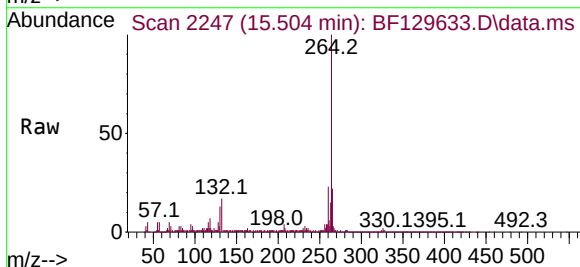
Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL

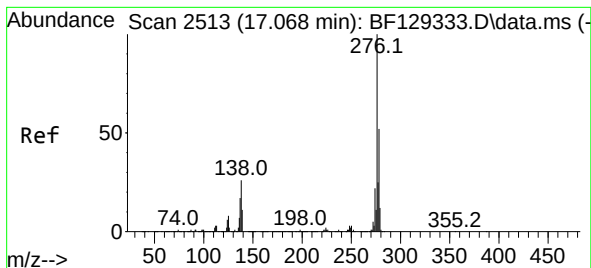
Tgt Ion:228 Resp: 447370
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 22.5 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. -0.000 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:264 Resp: 279631
Ion Ratio Lower Upper
264 100
260 23.0 18.4 27.6
265 22.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.384 ng

RT: 16.986 min Scan# 2499

Delta R.T. -0.012 min

Lab File: BF129633.D

Acq: 08 Aug 2022 15:20

Instrument :

BNA_F

ClientSampleId :

OR-02-080422DL

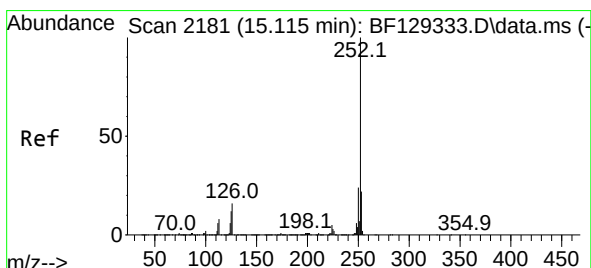
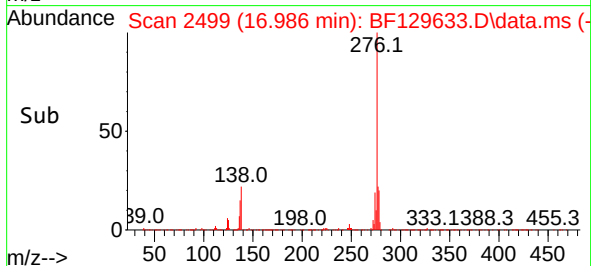
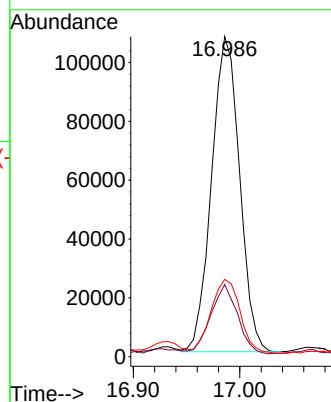
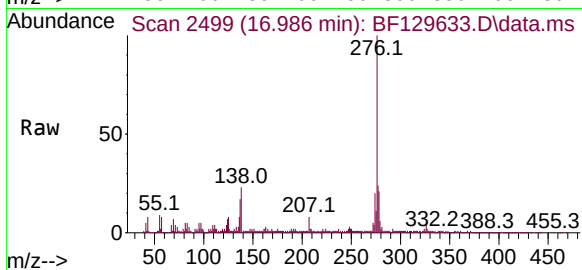
Tgt Ion:276 Resp: 195540

Ion Ratio Lower Upper

276 100

138 21.1 21.1 31.7#

277 24.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 36.214 ng

RT: 15.068 min Scan# 2173

Delta R.T. -0.000 min

Lab File: BF129633.D

Acq: 08 Aug 2022 15:20

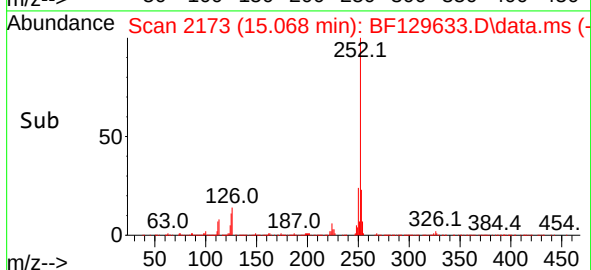
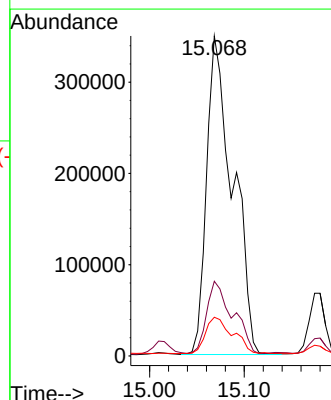
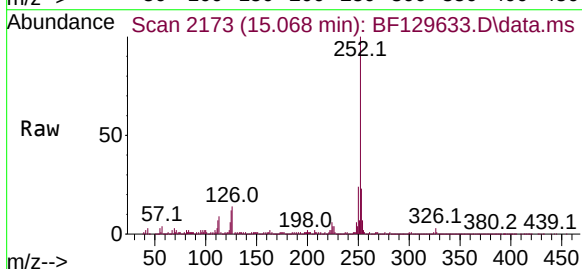
Tgt Ion:252 Resp: 671724

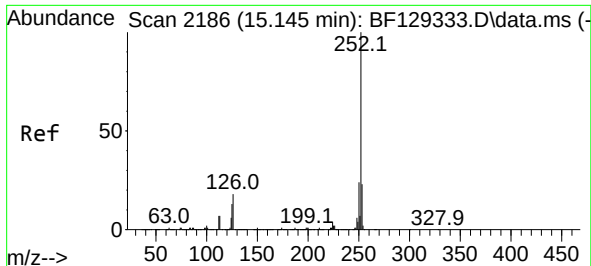
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 12.1 8.0 12.0#

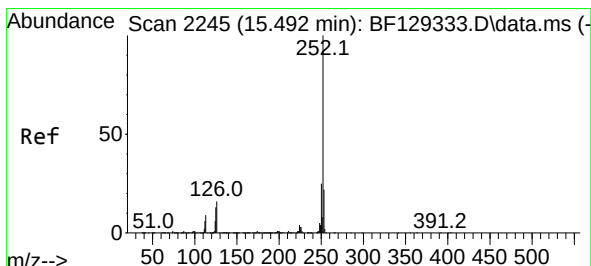
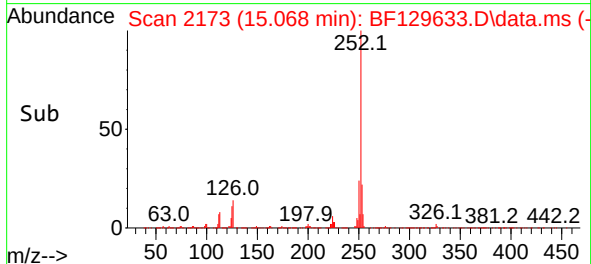
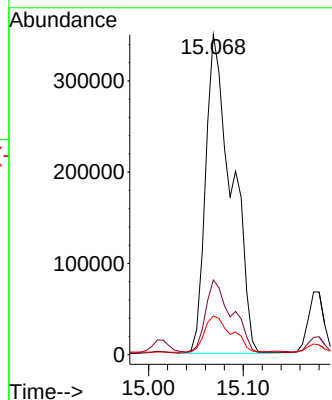
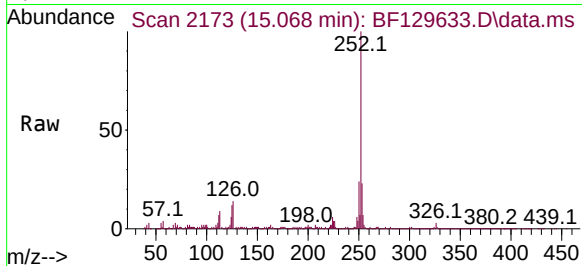




#89
Benzo(k)fluoranthene
Concen: 36.954 ng
RT: 15.068 min Scan# 2186
Delta R.T. -0.035 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

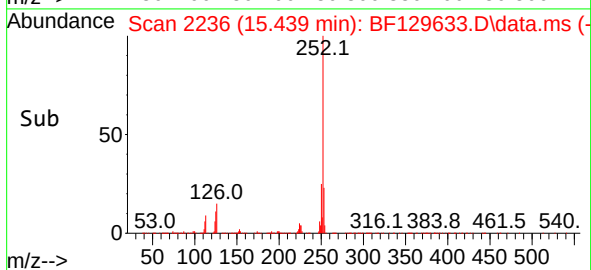
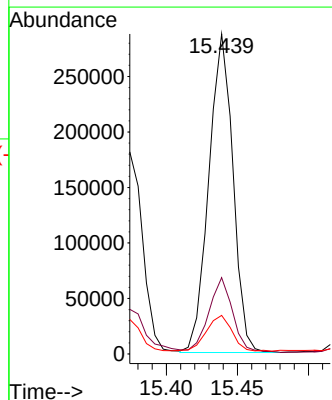
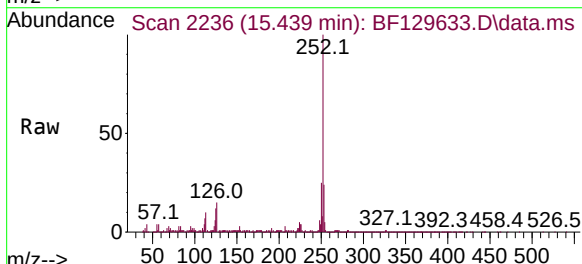
Instrument :
BNA_F
ClientSampleId :
OR-02-080422DL

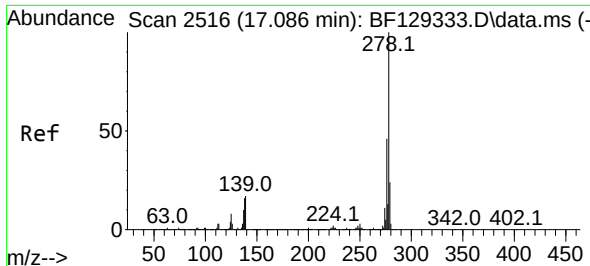
Tgt Ion:252 Resp: 671724
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 12.1 8.3 12.5



#90
Benzo(a)pyrene
Concen: 22.518 ng
RT: 15.439 min Scan# 2236
Delta R.T. -0.000 min
Lab File: BF129633.D
Acq: 08 Aug 2022 15:20

Tgt Ion:252 Resp: 339069
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 12.1 8.8 13.2

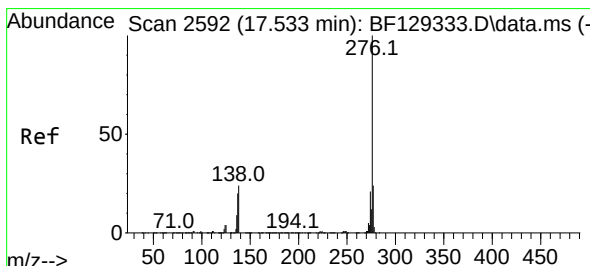
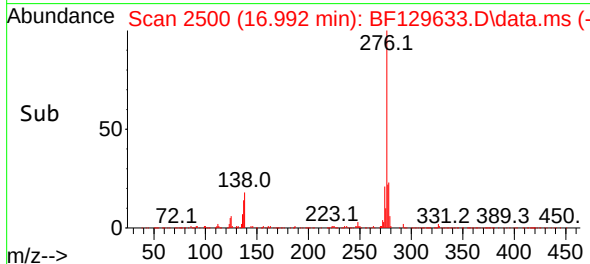
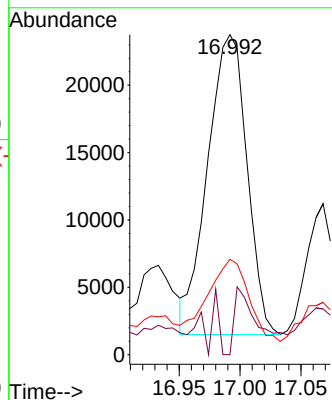
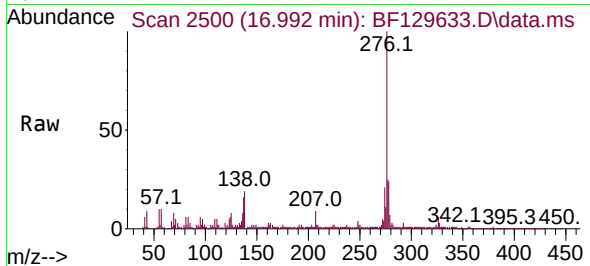




#91
 Dibenzo(a,h)anthracene
 Concen: 3.265 ng
 RT: 16.992 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF129633.D
 Acq: 08 Aug 2022 15:20

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080422DL

Tgt Ion:278 Resp: 50047
 Ion Ratio Lower Upper
 278 100
 139 0.0 12.8 19.2#
 279 29.8 18.6 28.0#



#92
 Benzo(g,h,i)perylene
 Concen: 11.761 ng
 RT: 17.445 min Scan# 2577
 Delta R.T. -0.006 min
 Lab File: BF129633.D
 Acq: 08 Aug 2022 15:20

Tgt Ion:276 Resp: 184182
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.1 28.7
 138 22.5 18.0 27.0

