

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129655.D
 Acq On : 09 Aug 2022 04:24
 Operator : CG\JU
 Sample : N4068-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-080522

Quant Time: Aug 09 04:45:26 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)

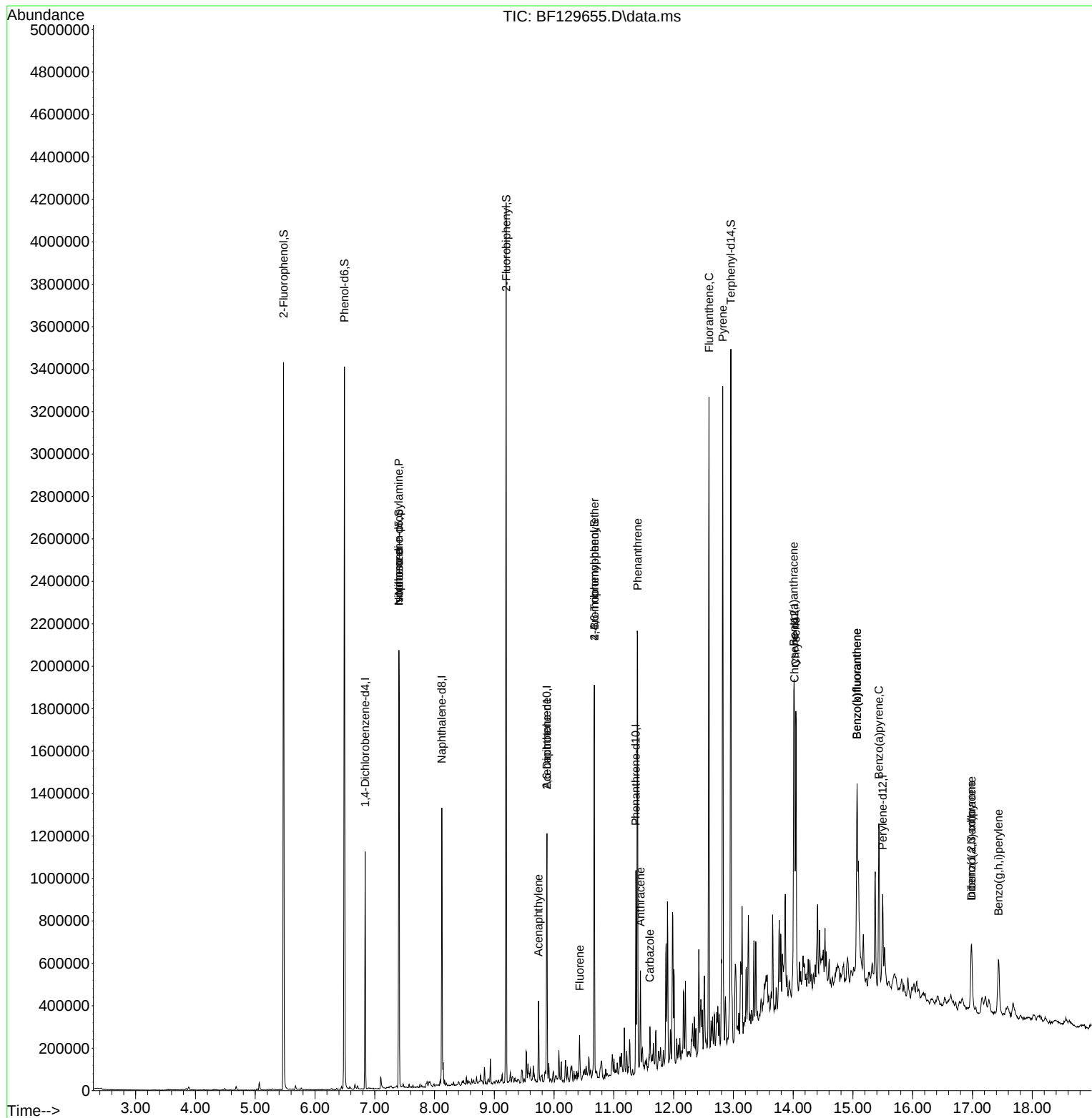
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	143064	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	512214	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	217994	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	330648	20.000	ng	-0.01
76) Chrysene-d12	14.021	240	248401	20.000	ng	0.00
86) Perylene-d12	15.498	264	180698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	890912	101.444	ng	0.00
7) Phenol-d6	6.492	99	1062496	96.251	ng	-0.01
23) Nitrobenzene-d5	7.404	82	659327	70.267	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	194704	92.900	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1089907	77.343	ng	-0.01
79) Terphenyl-d14	12.957	244	1022219	77.636	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	86781	12.986	ng	# 73
25) Isophorone	7.404	82	657264	39.078	ng	# 65
49) Acenaphthylene	9.739	152	144407	7.389	ng	98
51) 2,6-Dinitrotoluene	9.880	165	30917	9.179	ng	# 26
58) Fluorene	10.428	166	52123	3.702	ng	98
67) 4-Bromophenyl-phenylether	10.675	248	12644	3.492	ng	# 1
71) Phenanthrene	11.398	178	800464	44.349	ng	99
72) Anthracene	11.445	178	178393	10.058	ng	97
73) Carbazole	11.604	167	61455	3.681	ng	99
75) Fluoranthene	12.592	202	1148156	62.782	ng	99
78) Pyrene	12.821	202	1203122	57.920	ng	99
81) Benzo(a)anthracene	14.010	228	508467	29.966	ng	95
83) Chrysene	14.045	228	513712	32.123	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	204148	16.777	ng	96
88) Benzo(b)fluoranthene	15.068	252	640990	53.477	ng	96
89) Benzo(k)fluoranthene	15.068	252	640990	54.570	ng	97
90) Benzo(a)pyrene	15.433	252	355177	36.503	ng	96
91) Dibenzo(a,h)anthracene	16.986	278	66622	6.727	ng	# 85
92) Benzo(g,h,i)perylene	17.439	276	215418	21.286	ng	99

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

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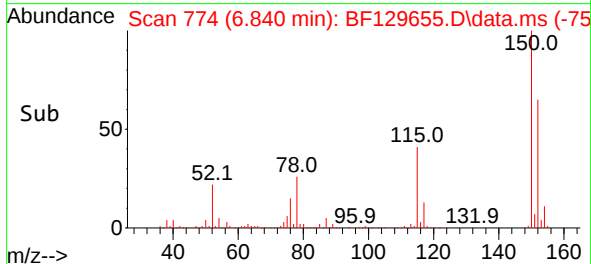
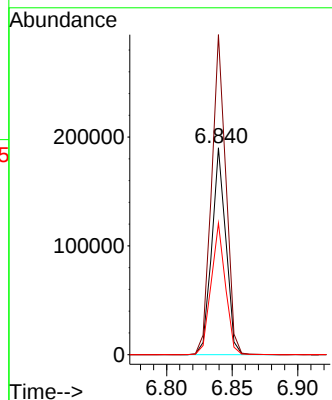
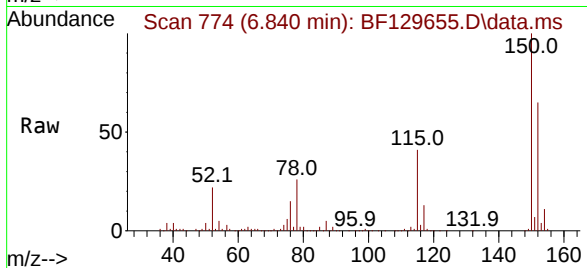




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BF129655.D
 Acq: 09 Aug 2022 04:24

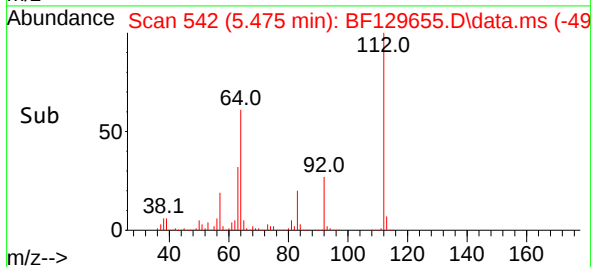
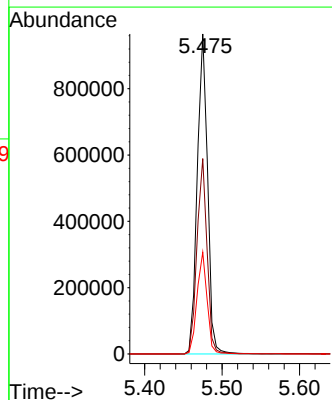
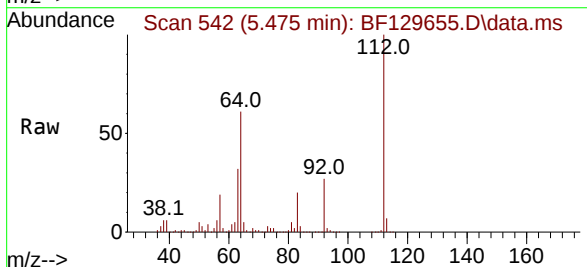
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-080522

Tgt Ion:152 Resp: 143064
 Ion Ratio Lower Upper
 152 100
 150 154.7 123.7 185.5
 115 63.6 49.9 74.9



#5
 2-Fluorophenol
 Concen: 101.444 ng
 RT: 5.475 min Scan# 542
 Delta R.T. -0.006 min
 Lab File: BF129655.D
 Acq: 09 Aug 2022 04:24

Tgt Ion:112 Resp: 890912
 Ion Ratio Lower Upper
 112 100
 64 61.1 53.3 79.9
 63 31.8 28.0 42.0

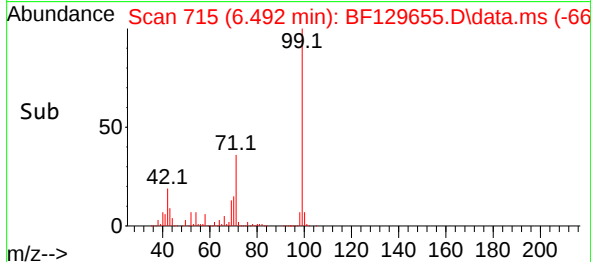
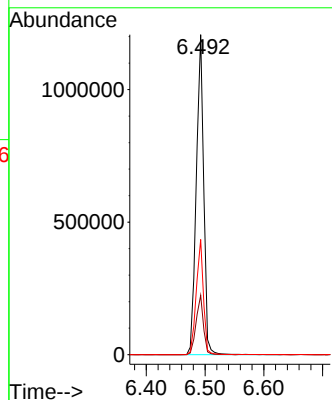
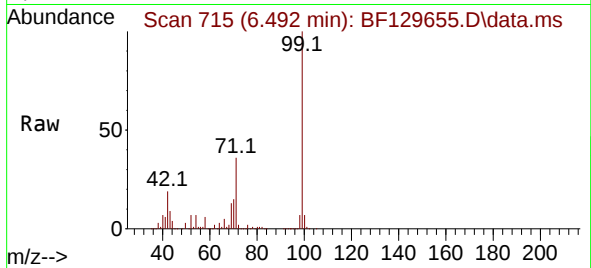




#7
Phenol-d6
Concen: 96.251 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

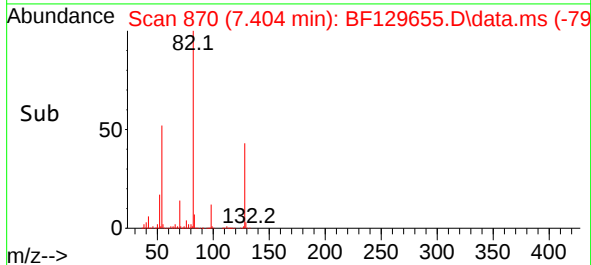
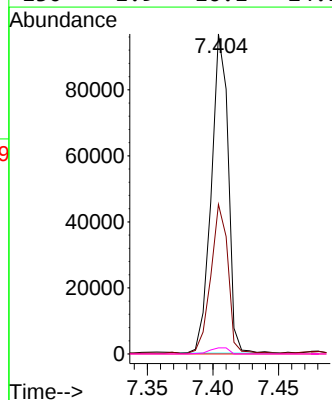
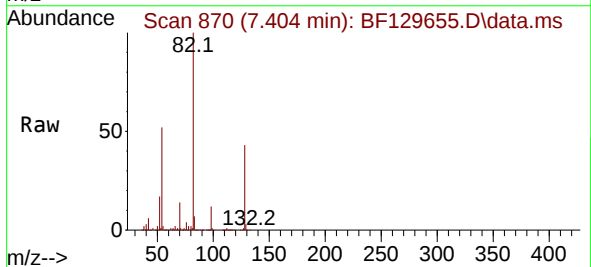
Instrument :
BNA_F
ClientSampleId :
BU-02-080522

Tgt Ion: 99 Resp: 1062496
Ion Ratio Lower Upper
99 100
42 18.6 17.3 25.9
71 36.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.986 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion: 70 Resp: 86781
Ion Ratio Lower Upper
70 100
42 46.7 52.3 78.5#
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#

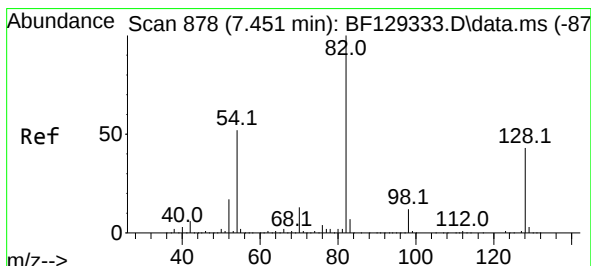
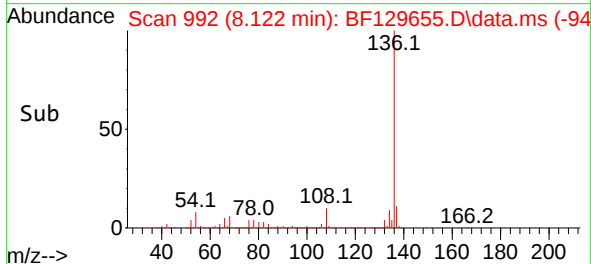
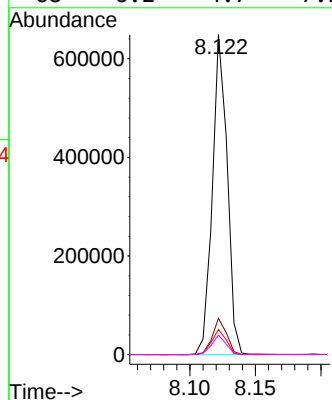
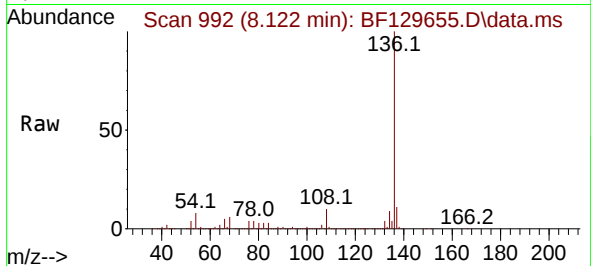




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

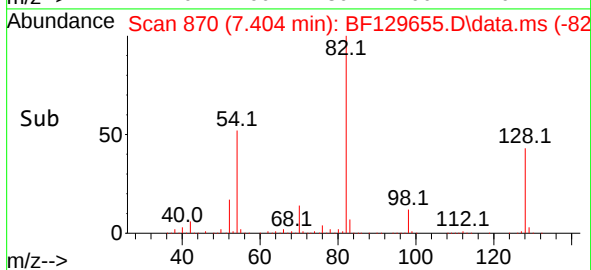
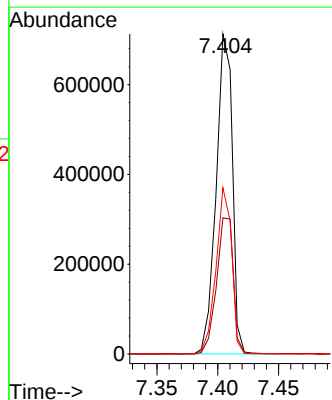
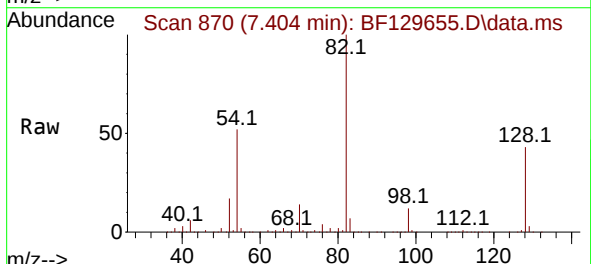
Instrument :
BNA_F
ClientSampleId :
BU-02-080522

Tgt Ion:136 Resp: 512214
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.9 7.5 11.3
68 6.2 4.7 7.1



#23
Nitrobenzene-d5
Concen: 70.267 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.018 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion: 82 Resp: 659327
Ion Ratio Lower Upper
82 100
128 42.6 34.0 51.0
54 52.0 46.9 70.3

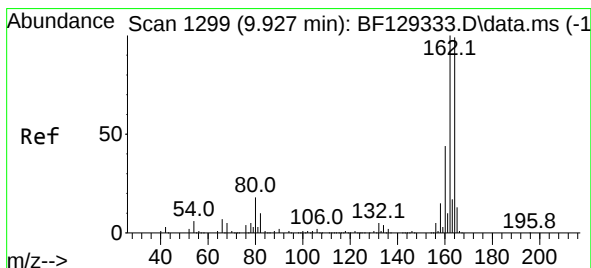
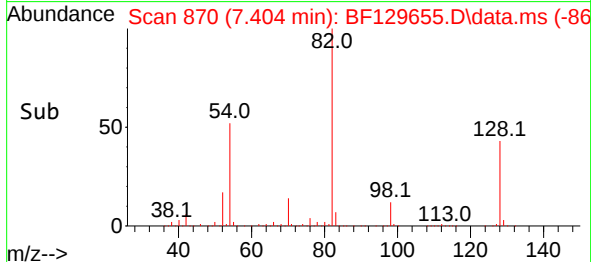
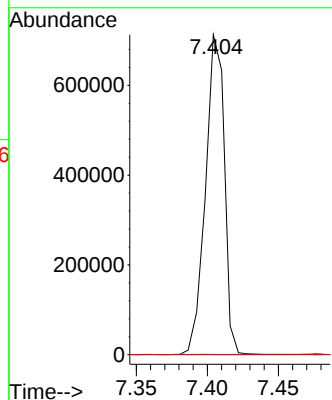
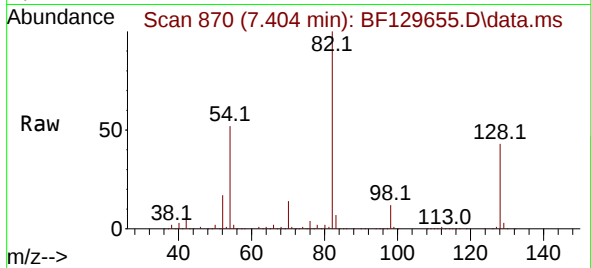




#25
Isophorone
Concen: 39.078 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

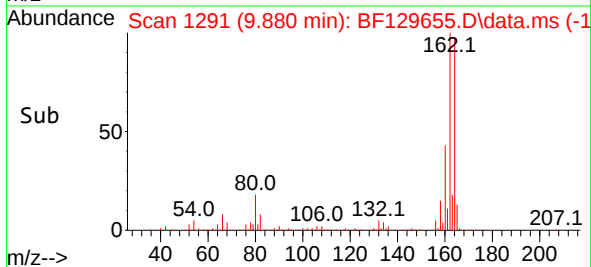
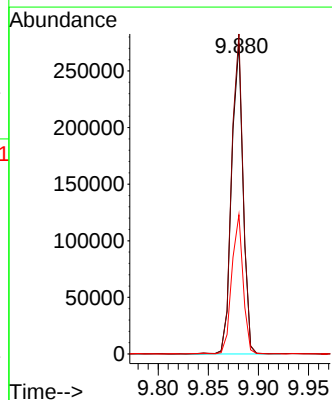
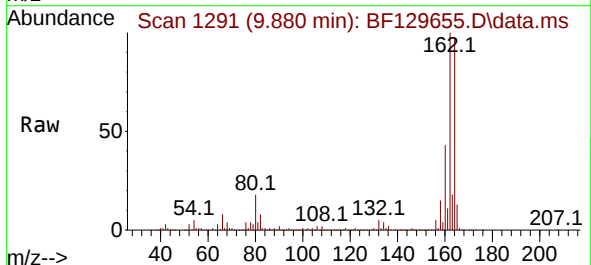
Instrument :
BNA_F
ClientSampleId :
BU-02-080522

Tgt Ion: 82 Resp: 657264
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: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:164 Resp: 217994
Ion Ratio Lower Upper
164 100
162 103.1 79.5 119.3
160 44.8 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 92.900 ng

RT: 10.675 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

Instrument :

BNA_F

ClientSampleId :

BU-02-080522

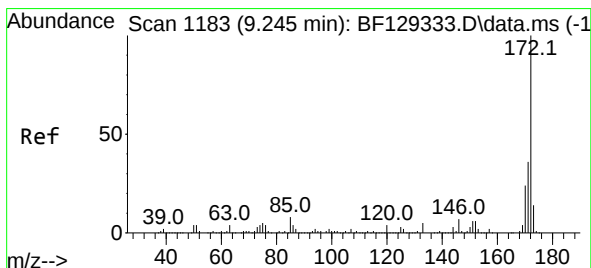
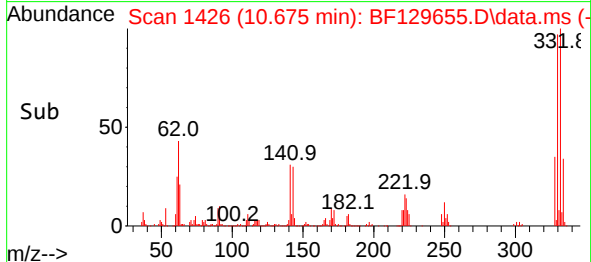
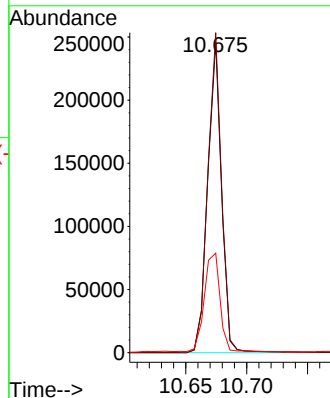
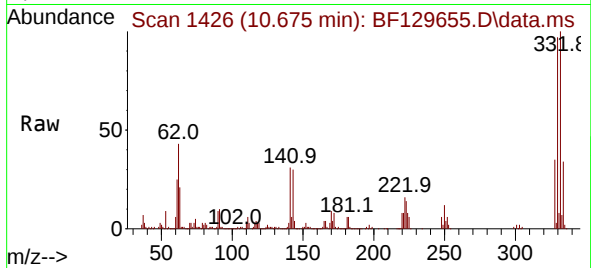
Tgt Ion:330 Resp: 194704

Ion Ratio Lower Upper

330 100

332 103.3 76.8 115.2

141 37.1 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 77.343 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

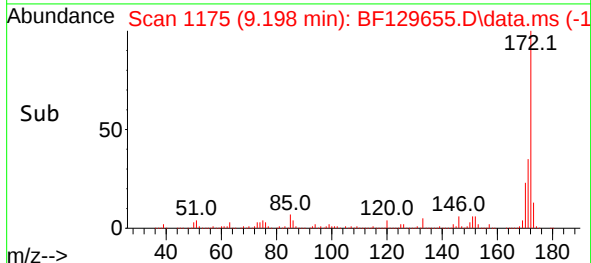
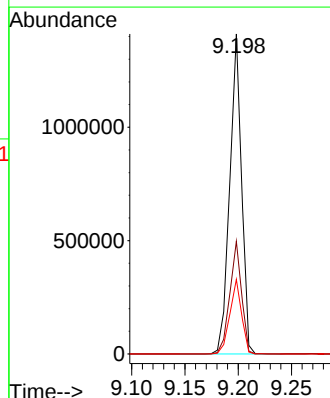
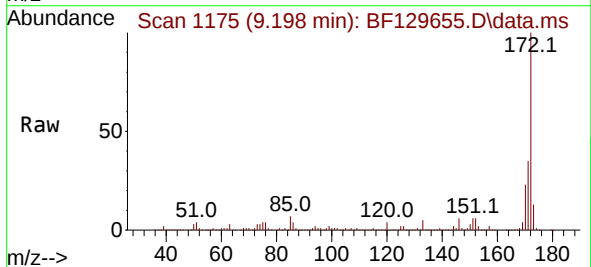
Tgt Ion:172 Resp: 1089907

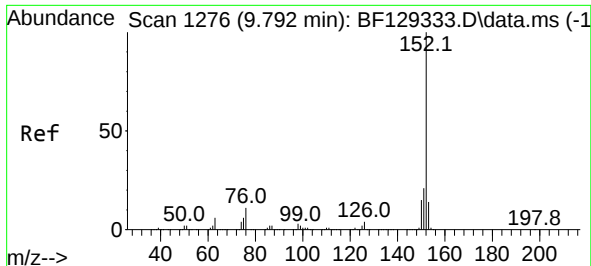
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.3 19.8 29.8





#49

Acenaphthylene

Concen: 7.389 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

Instrument :

BNA_F

ClientSampleId :

BU-02-080522

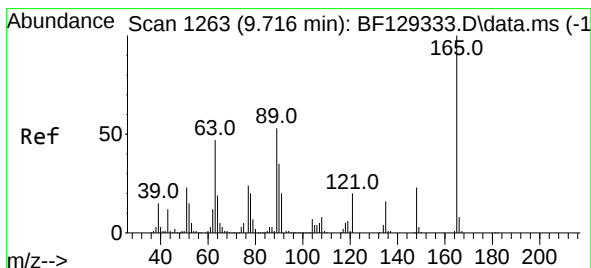
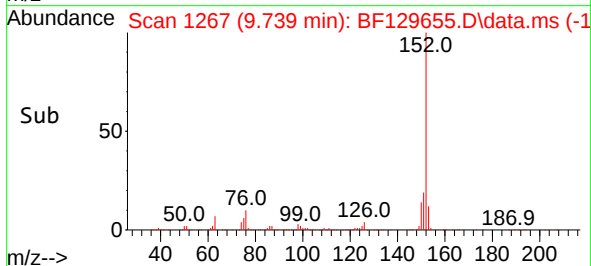
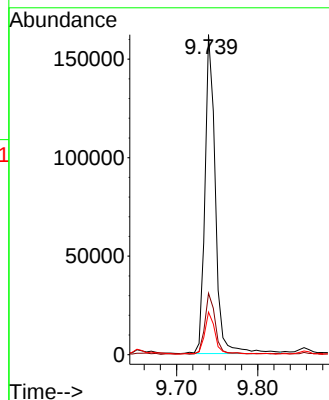
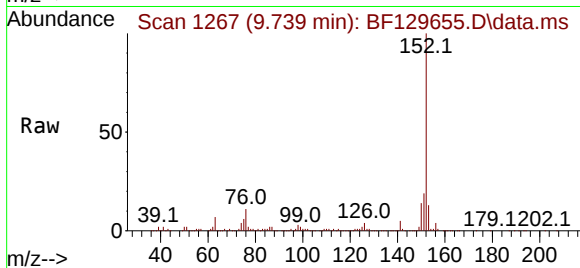
Tgt Ion:152 Resp: 144407

Ion Ratio Lower Upper

152 100

151 19.2 16.2 24.4

153 13.3 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 9.179 ng

RT: 9.880 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

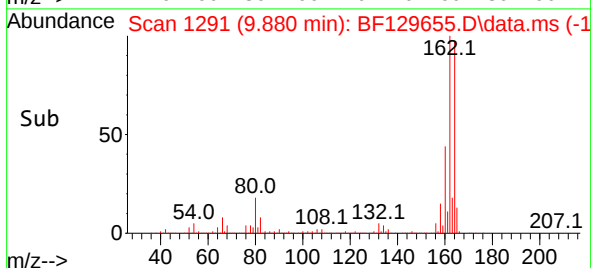
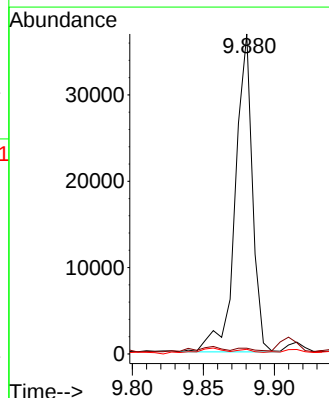
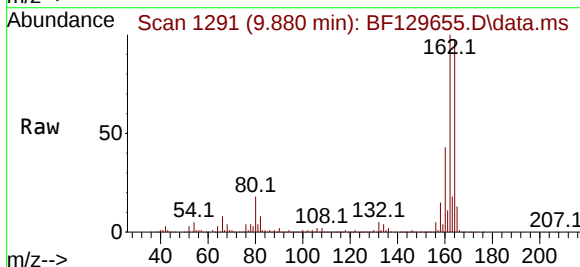
Tgt Ion:165 Resp: 30917

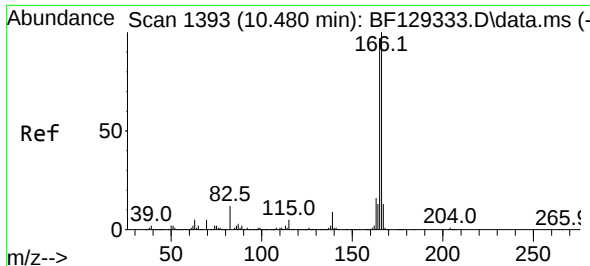
Ion Ratio Lower Upper

165 100

63 1.8 44.9 67.3#

89 1.4 43.6 65.4#

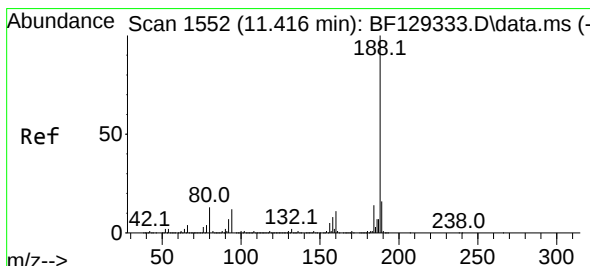
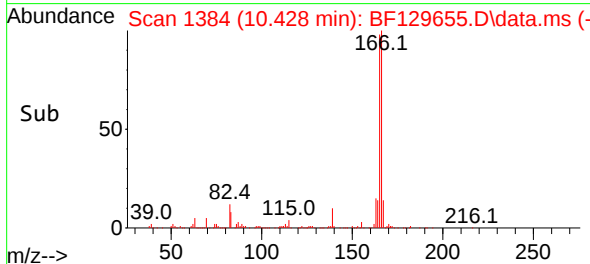
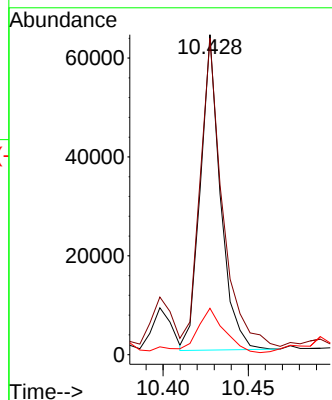
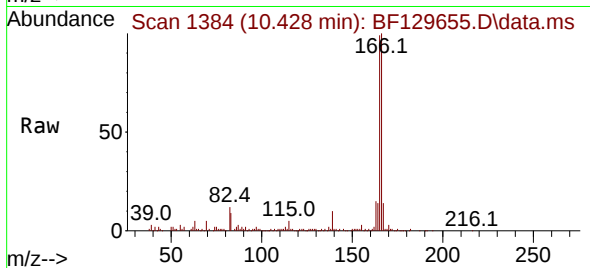




#58
 Fluorene
 Concen: 3.702 ng
 RT: 10.428 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129655.D
 Acq: 09 Aug 2022 04:24

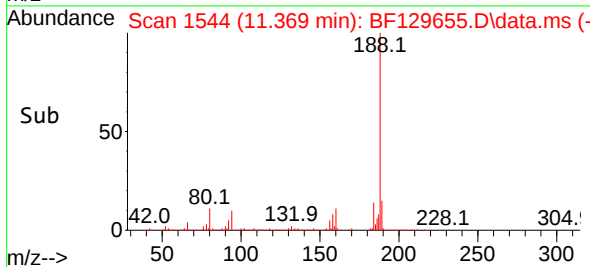
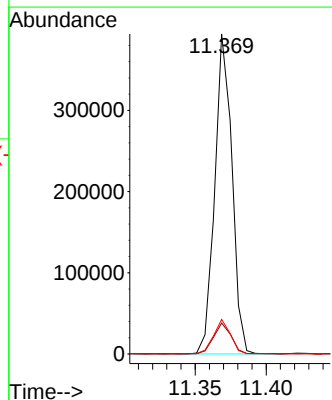
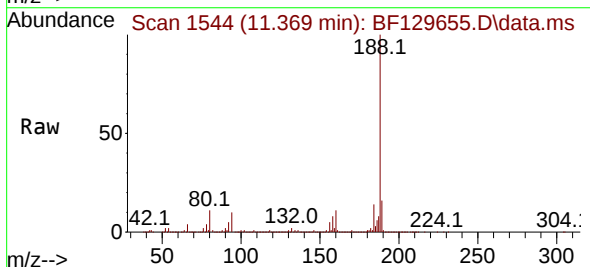
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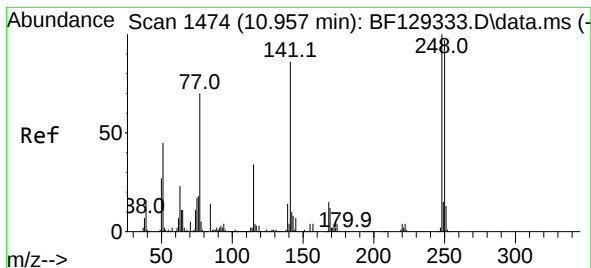
Tgt Ion:166 Resp: 52123
 Ion Ratio Lower Upper
 166 100
 165 98.9 78.1 117.1
 167 14.5 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.369 min Scan# 1544
 Delta R.T. -0.012 min
 Lab File: BF129655.D
 Acq: 09 Aug 2022 04:24

Tgt Ion:188 Resp: 330648
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.0 10.6
 80 10.8 7.6 11.4

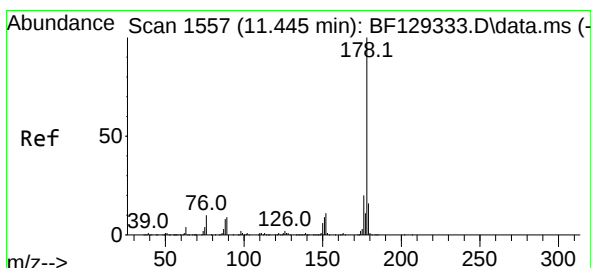
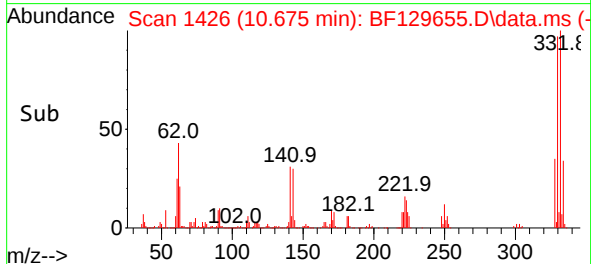
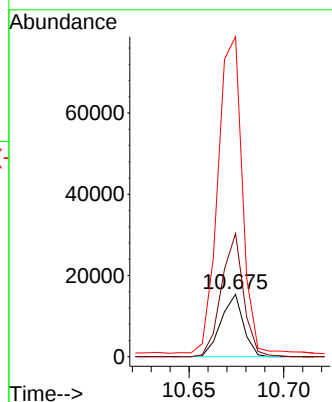
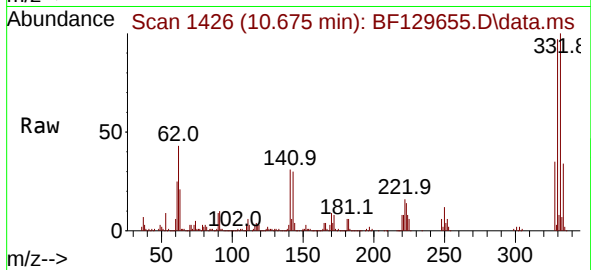




#67
4-Bromophenyl-phenylether
Concen: 3.492 ng
RT: 10.675 min Scan# 1474
Delta R.T. -0.247 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

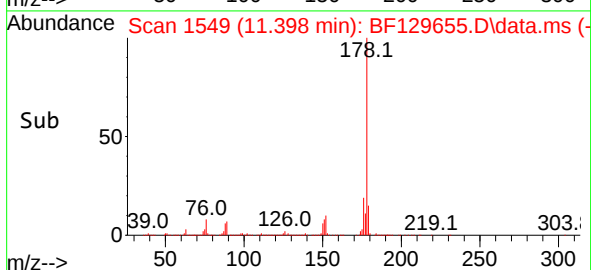
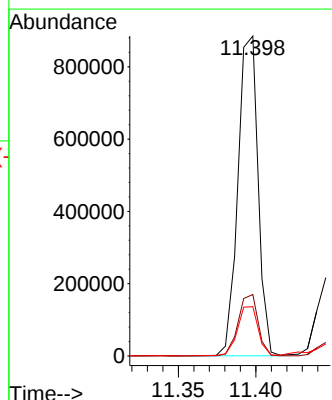
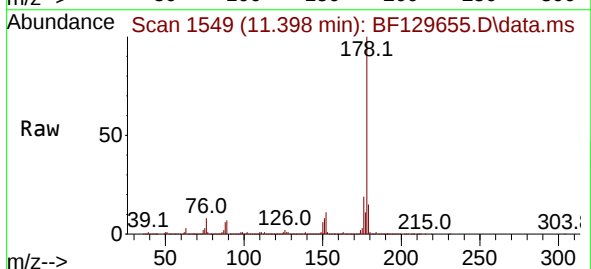
Instrument :
BNA_F
ClientSampleId :
BU-02-080522

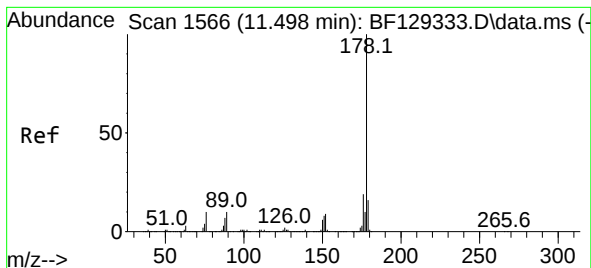
Tgt Ion:248 Resp: 12644
Ion Ratio Lower Upper
248 100
250 197.5 80.6 120.8#
141 512.7 58.9 88.3#



#71
Phenanthrene
Concen: 44.349 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:178 Resp: 800464
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.4 12.6 19.0





#72

Anthracene

Concen: 10.058 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

Instrument :

BNA_F

ClientSampleId :

BU-02-080522

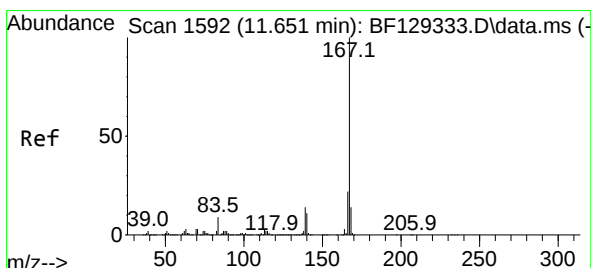
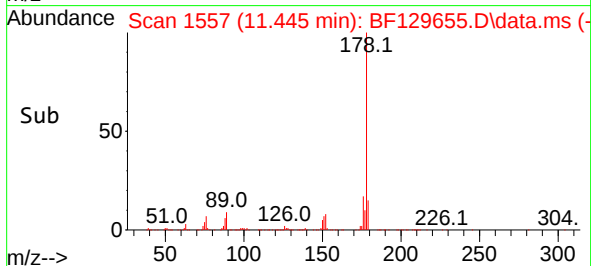
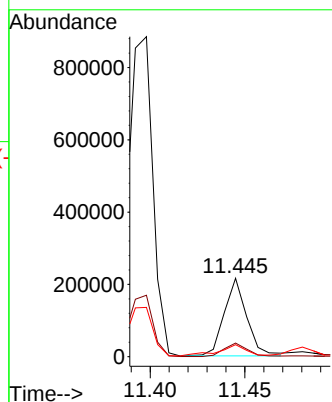
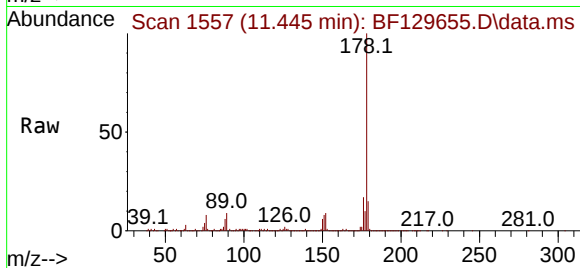
Tgt Ion:178 Resp: 178393

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

179 15.4 12.6 19.0



#73

Carbazole

Concen: 3.681 ng

RT: 11.604 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

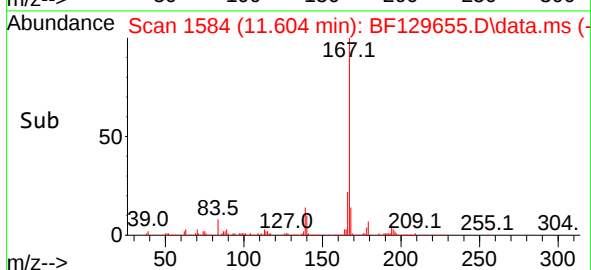
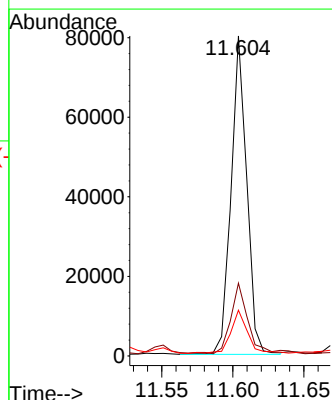
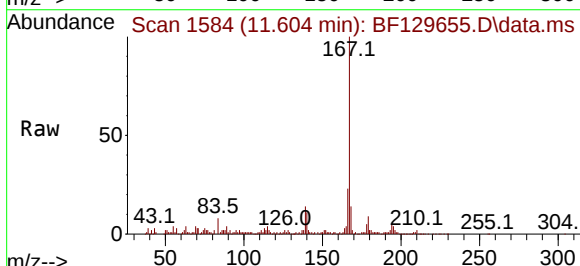
Tgt Ion:167 Resp: 61455

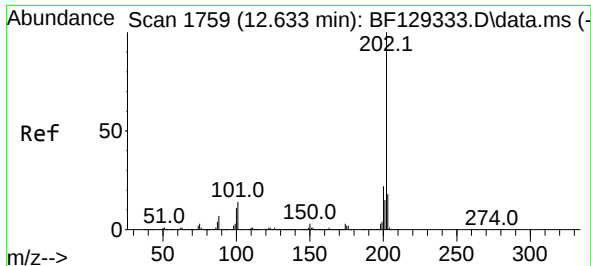
Ion Ratio Lower Upper

167 100

166 22.7 17.7 26.5

139 14.3 11.2 16.8

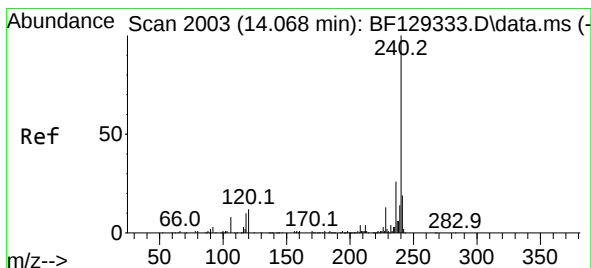
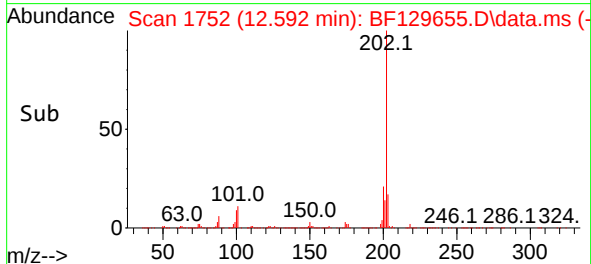
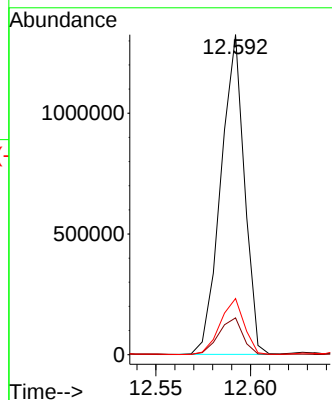
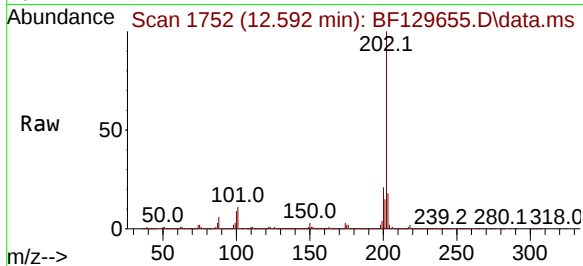




#75
Fluoranthene
Concen: 62.782 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

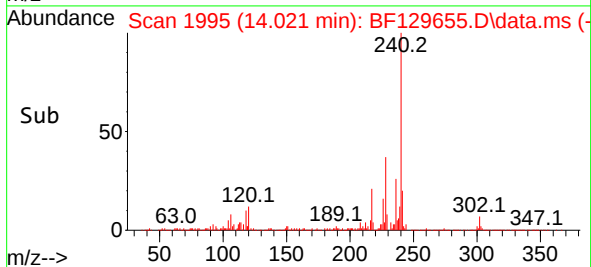
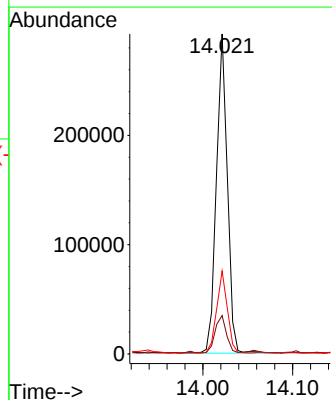
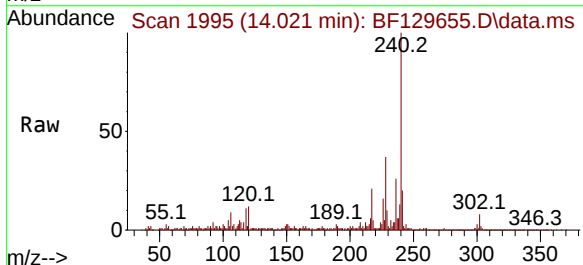
Instrument :
BNA_F
ClientSampleId :
BU-02-080522

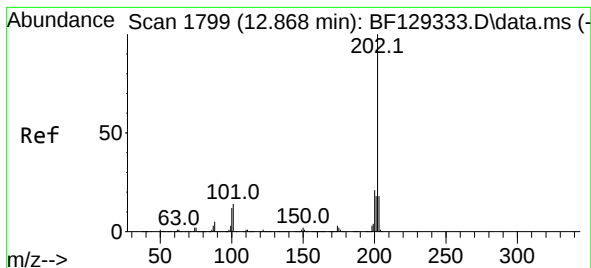
Tgt Ion:202 Resp: 1148156
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:240 Resp: 248401
Ion Ratio Lower Upper
240 100
120 12.0 8.9 13.3
236 26.0 20.8 31.2





#78

Pyrene

Concen: 57.920 ng

RT: 12.821 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

Instrument :

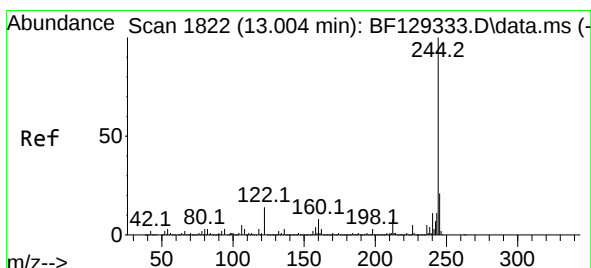
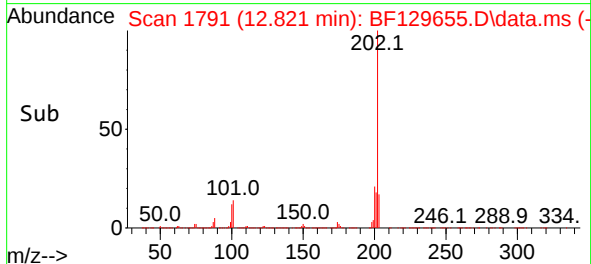
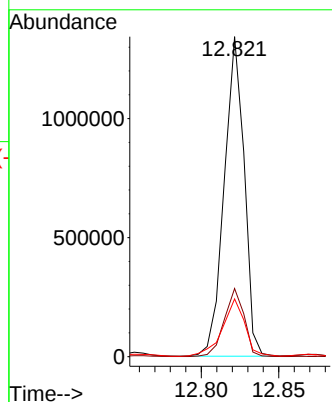
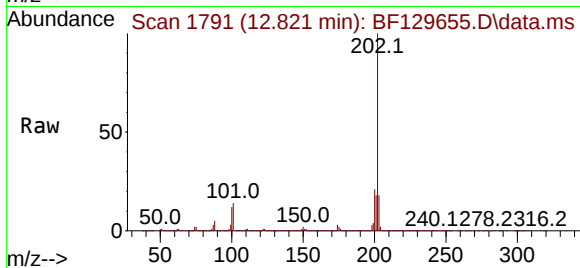
BNA_F

ClientSampleId :

BU-02-080522

Tgt Ion:202 Resp: 1203122

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	18.0	14.6	21.8



#79

Terphenyl-d14

Concen: 77.636 ng

RT: 12.957 min Scan# 1814

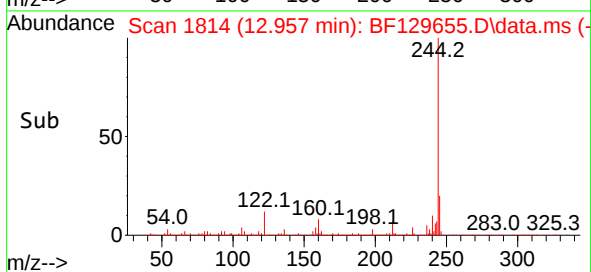
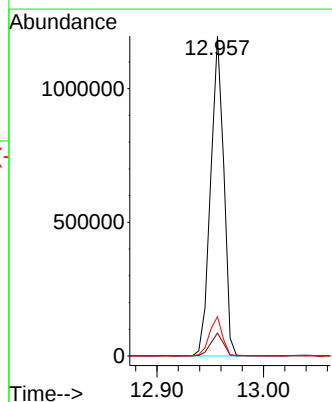
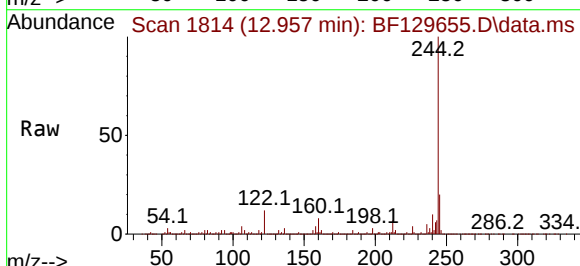
Delta R.T. -0.012 min

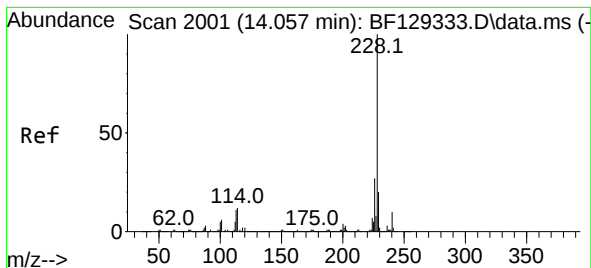
Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

Tgt Ion:244 Resp: 1022219

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	12.3	8.8	13.2





#81

Benzo(a)anthracene

Concen: 29.966 ng

RT: 14.010 min Scan# 1993

Delta R.T. -0.006 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

Instrument :

BNA_F

ClientSampleId :

BU-02-080522

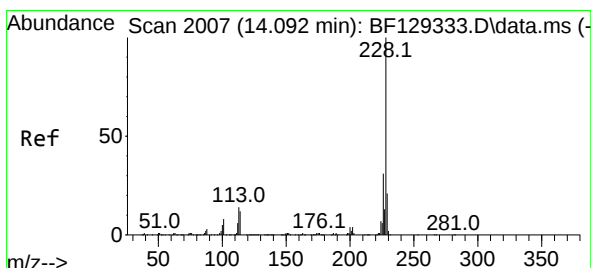
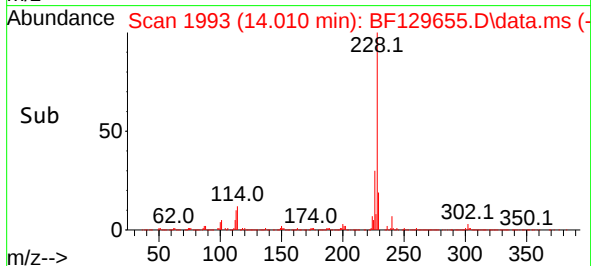
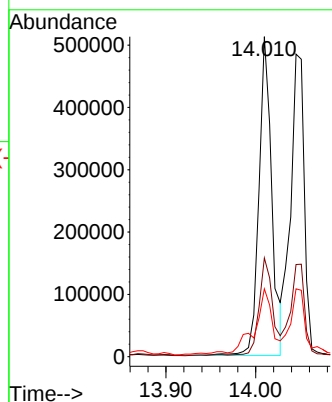
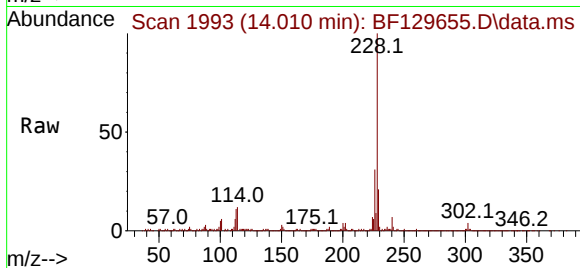
Tgt Ion:228 Resp: 508467

Ion Ratio Lower Upper

228 100

226 30.9 22.1 33.1

229 21.2 15.8 23.8



#83

Chrysene

Concen: 32.123 ng

RT: 14.045 min Scan# 1999

Delta R.T. -0.012 min

Lab File: BF129655.D

Acq: 09 Aug 2022 04:24

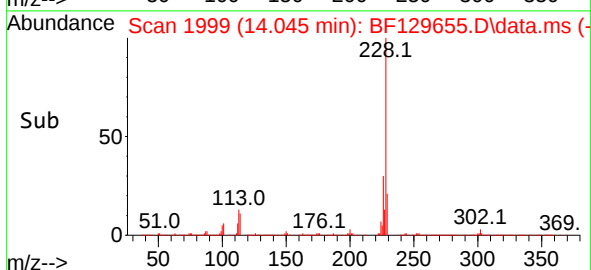
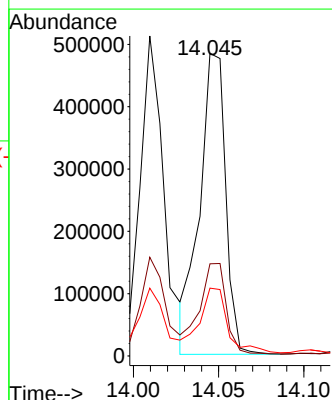
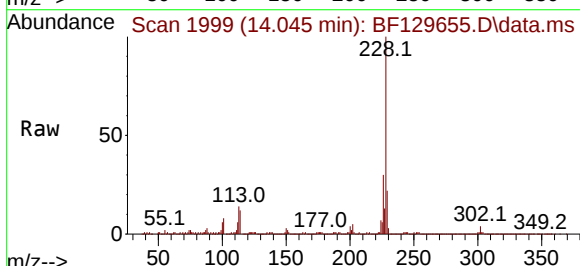
Tgt Ion:228 Resp: 513712

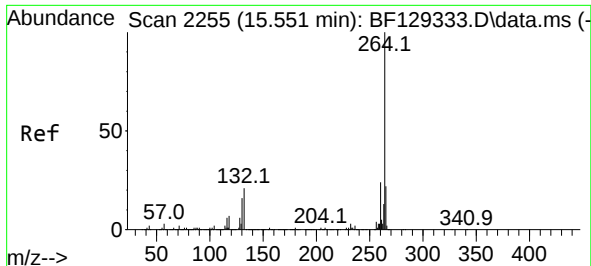
Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 22.5 15.9 23.9

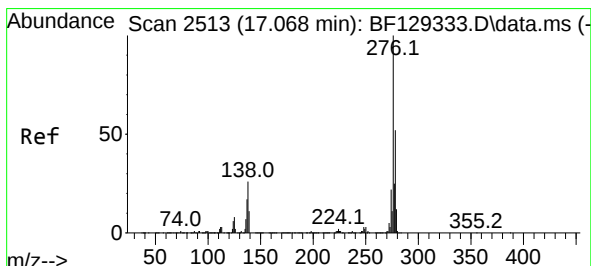
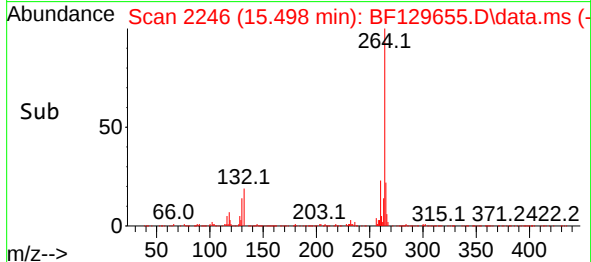
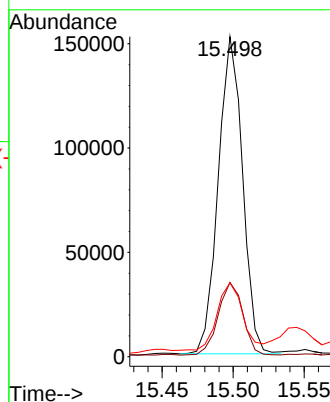
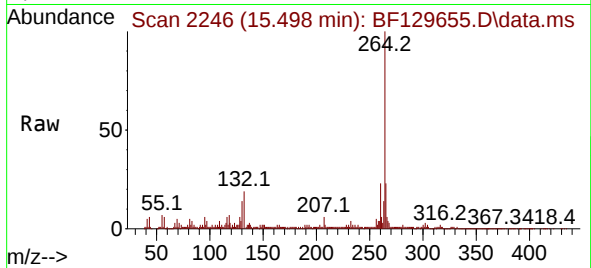




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

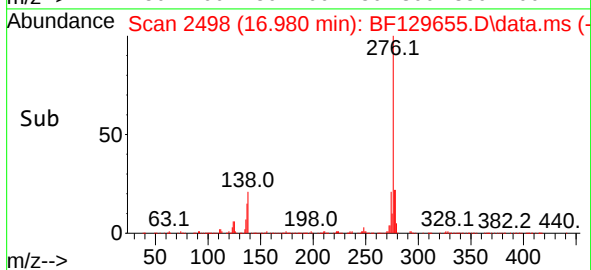
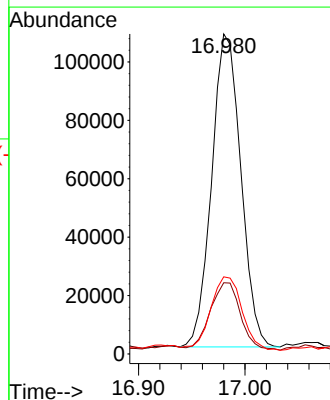
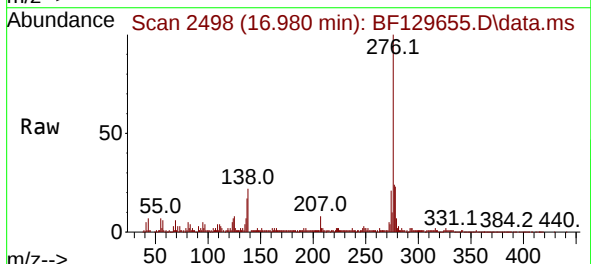
Instrument :
BNA_F
ClientSampleId :
BU-02-080522

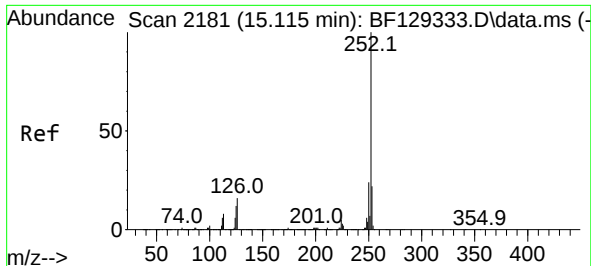
Tgt Ion:	264	Resp:	180698
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.4	27.6
265	23.1	17.2	25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.777 ng
RT: 16.980 min Scan# 2498
Delta R.T. -0.018 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:	276	Resp:	204148
Ion Ratio	Lower	Upper	
276	100		
138	22.3	21.1	31.7
277	25.3	20.3	30.5

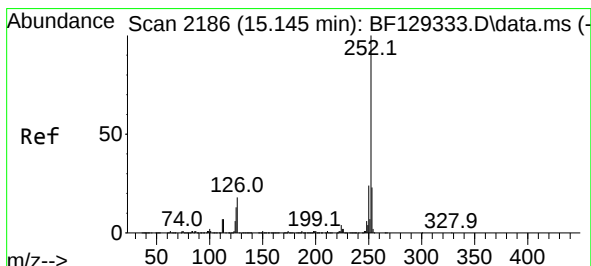
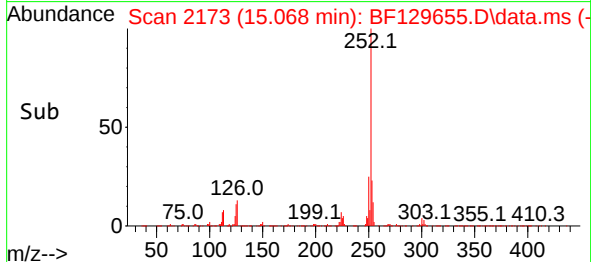
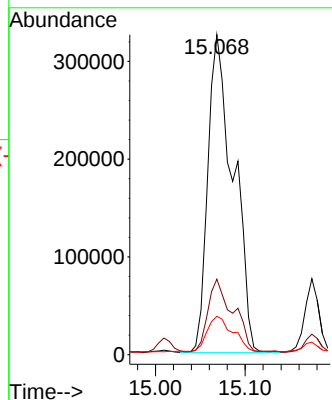
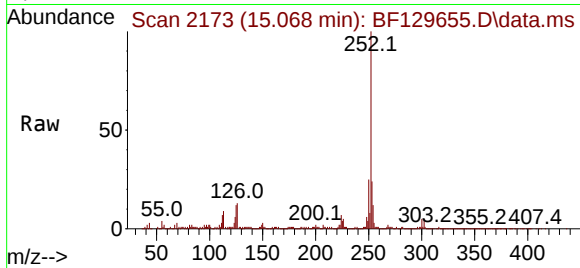




#88
Benzo(b)fluoranthene
Concen: 53.477 ng
RT: 15.068 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

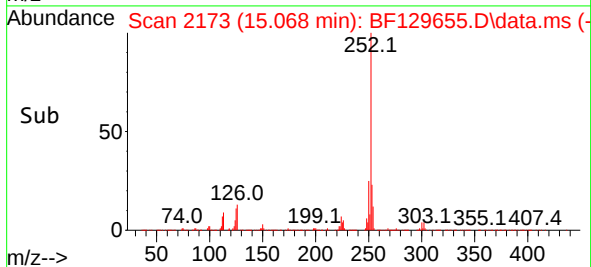
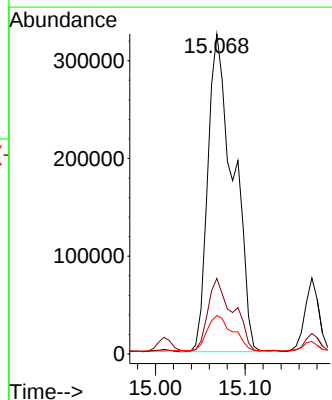
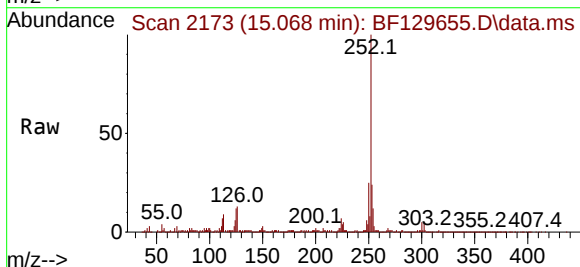
Instrument :
BNA_F
ClientSampleId :
BU-02-080522

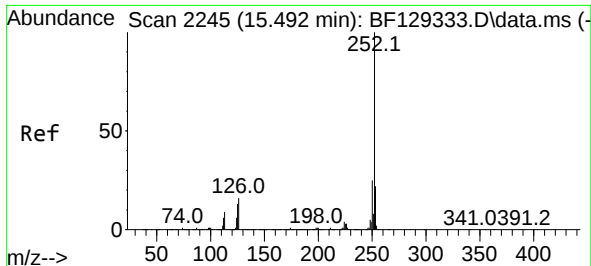
Tgt Ion:252 Resp: 640990
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 12.0 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 54.570 ng
RT: 15.068 min Scan# 2173
Delta R.T. -0.035 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Tgt Ion:252 Resp: 640990
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 12.0 8.3 12.5

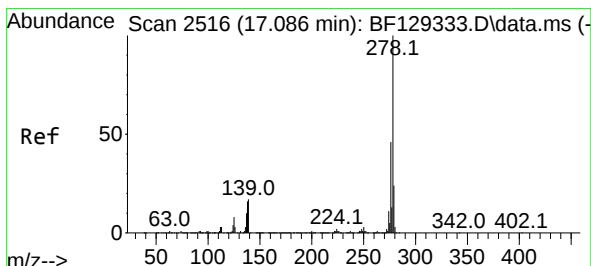
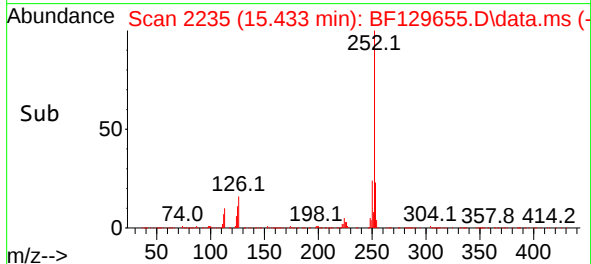
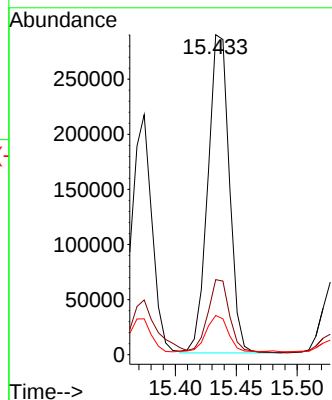
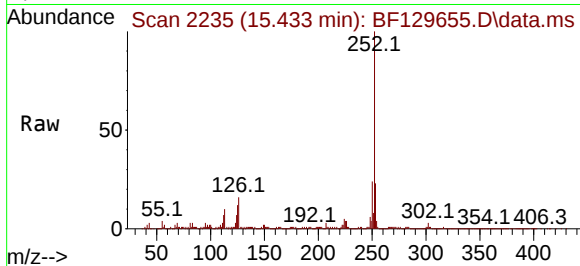




#90
Benzo(a)pyrene
Concen: 36.503 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

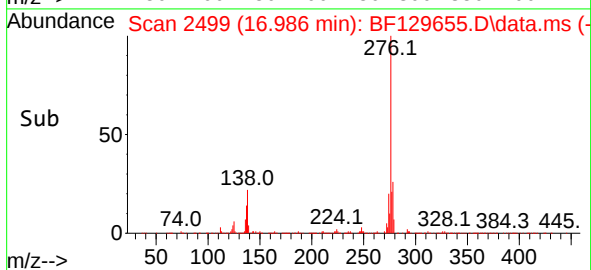
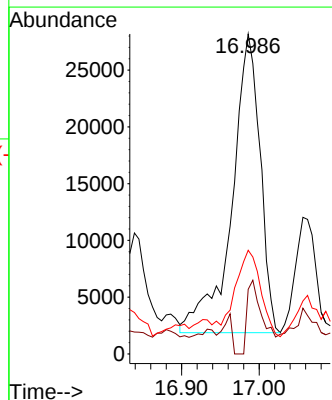
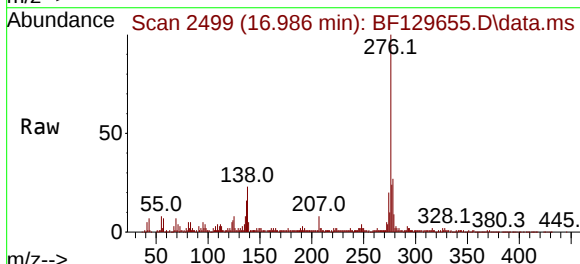
Instrument :
BNA_F
ClientSampleId :
BU-02-080522

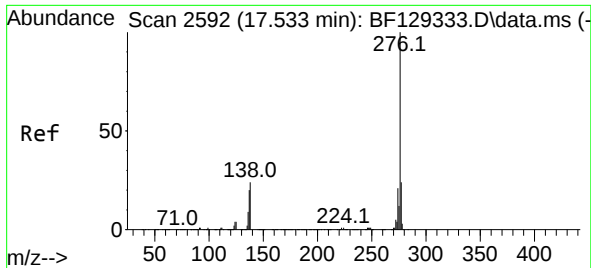
Tgt Ion:252 Resp: 355177
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 12.2 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 6.727 ng
RT: 16.986 min Scan# 2499
Delta R.T. -0.024 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

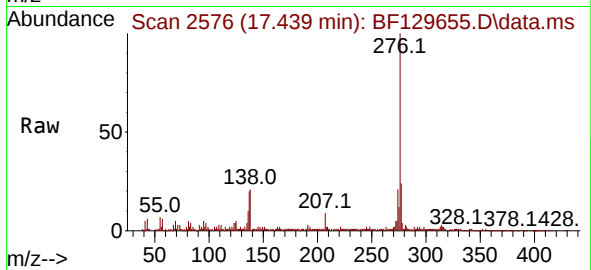
Tgt Ion:278 Resp: 66622
Ion Ratio Lower Upper
278 100
139 20.2 12.8 19.2#
279 32.4 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 21.286 ng
RT: 17.439 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129655.D
Acq: 09 Aug 2022 04:24

Instrument :
BNA_F
ClientSampleId :
BU-02-080522



Tgt Ion:276 Resp: 215418
Ion Ratio Lower Upper
276 100
277 24.0 19.1 28.7
138 21.4 18.0 27.0

