

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129656.D
 Acq On : 09 Aug 2022 04:56
 Operator : CG\JU
 Sample : N4088-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080522

Quant Time: Aug 09 05:19:28 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)

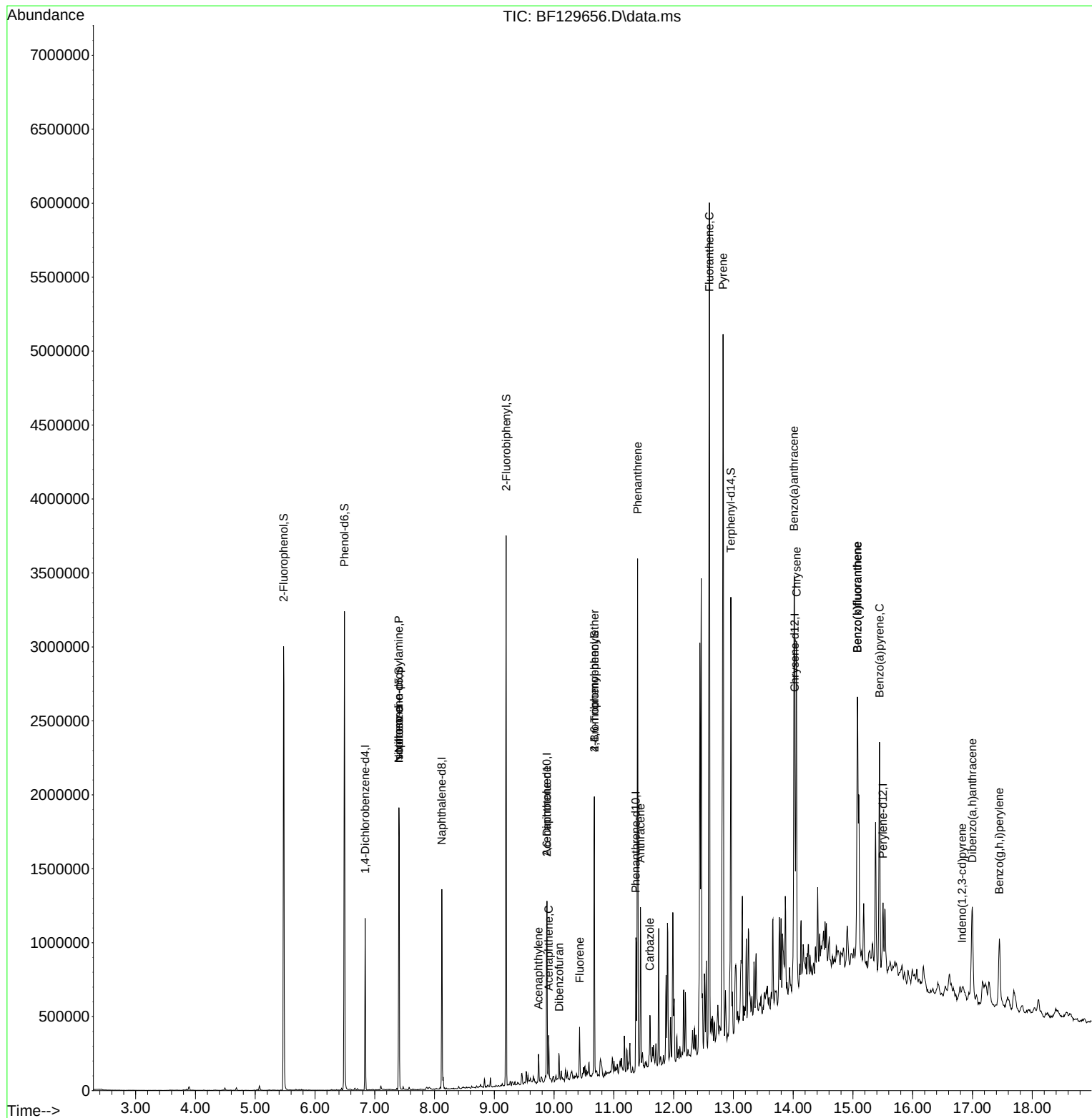
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	149488	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	519627	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	225453	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	353926	20.000	ng	#-0.01
76) Chrysene-d12	14.027	240	252321	20.000	ng	0.00
86) Perylene-d12	15.504	264	194125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	846368	92.230	ng	0.00
7) Phenol-d6	6.492	99	1010933	87.644	ng	-0.01
23) Nitrobenzene-d5	7.404	82	611028	64.191	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	194756	89.850	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	991911	68.060	ng	-0.01
79) Terphenyl-d14	12.957	244	991855	74.160	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	81179	11.625	ng	# 75
25) Isophorone	7.404	82	609146	35.700	ng	# 65
49) Acenaphthylene	9.739	152	71309	3.528	ng	99
51) 2,6-Dinitrotoluene	9.880	165	30871	8.862	ng	# 26
52) Acenaphthene	9.910	154	51283	3.885	ng	94
55) Dibenzofuran	10.086	168	55145	3.030	ng	99
58) Fluorene	10.428	166	88127	6.053	ng	98
67) 4-Bromophenyl-phenylether	10.675	248	11828	3.052	ng	# 1
71) Phenanthrene	11.398	178	1174460	60.790	ng	99
72) Anthracene	11.445	178	399956	21.066	ng	99
73) Carbazole	11.604	167	121359	6.790	ng	99
75) Fluoranthene	12.598	202	2453251	125.323	ng	98
78) Pyrene	12.827	202	2195879	104.071	ng	99
81) Benzo(a)anthracene	14.015	228	1160691	67.341	ng	97
83) Chrysene	14.057	228	915042	56.330	ng	98
87) Indeno(1,2,3-cd)pyrene	16.827	276	78347	5.993	ng	96
88) Benzo(b)fluoranthene	15.074	252	1386042	107.638	ng	95
89) Benzo(k)fluoranthene	15.074	252	1386042	109.838	ng	96
90) Benzo(a)pyrene	15.445	252	700756	67.038	ng	96
91) Dibenzo(a,h)anthracene	16.998	278	111041	10.436	ng	# 77
92) Benzo(g,h,i)perylene	17.451	276	378989	34.859	ng	99

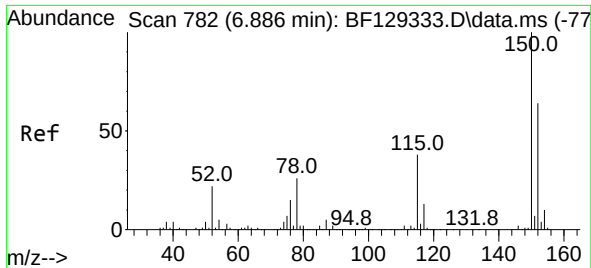
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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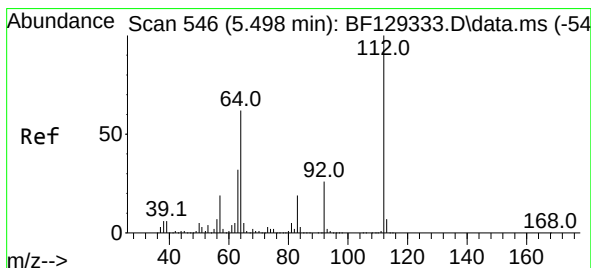
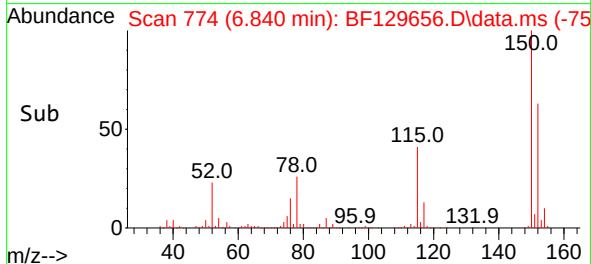
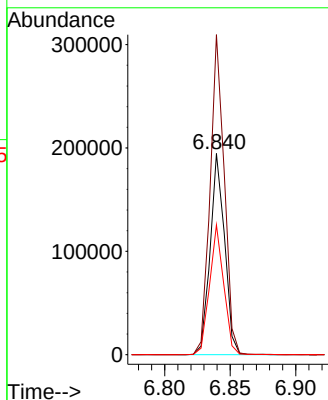
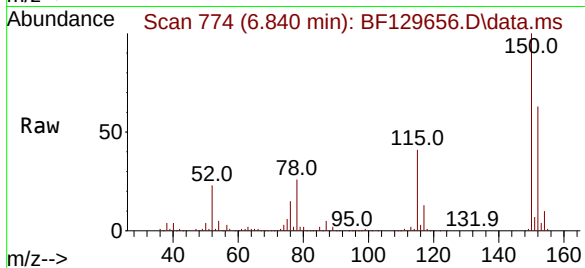




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BF129656.D
 Acq: 09 Aug 2022 04:56

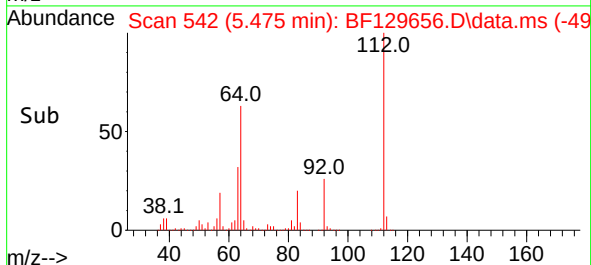
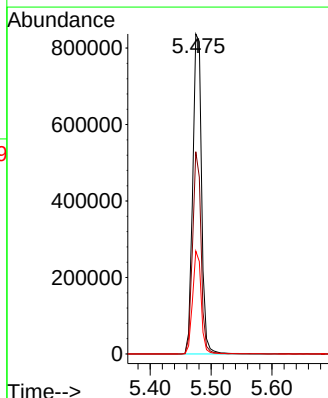
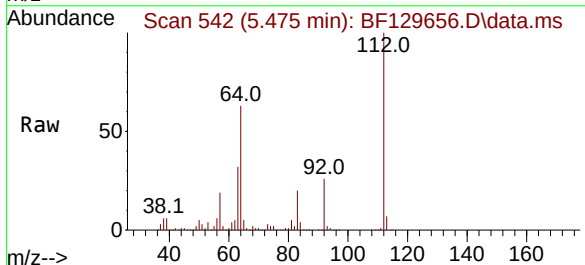
Instrument :
 BNA_F
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 PL-02-080522

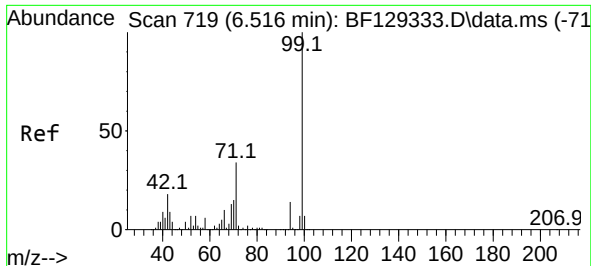
Tgt Ion:152 Resp: 149488
 Ion Ratio Lower Upper
 152 100
 150 159.0 123.7 185.5
 115 64.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 92.230 ng
 RT: 5.475 min Scan# 542
 Delta R.T. -0.006 min
 Lab File: BF129656.D
 Acq: 09 Aug 2022 04:56

Tgt Ion:112 Resp: 846368
 Ion Ratio Lower Upper
 112 100
 64 63.2 53.3 79.9
 63 32.2 28.0 42.0

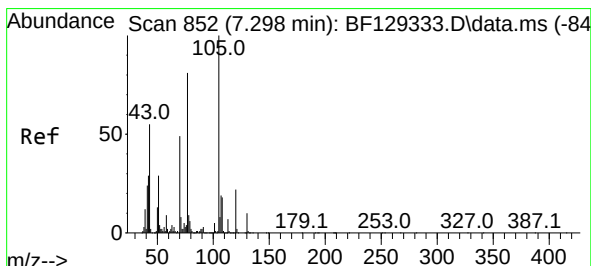
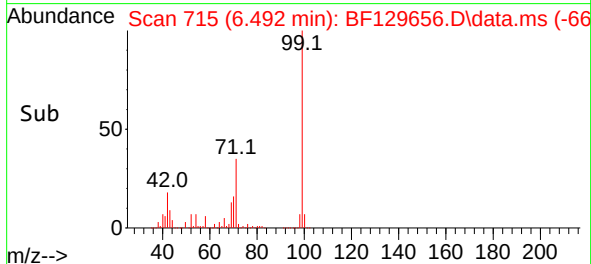
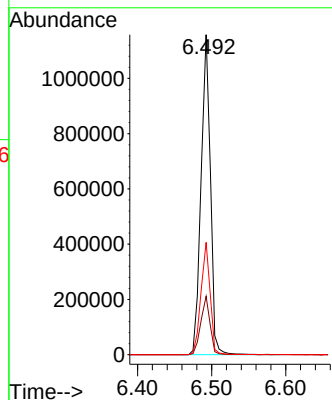
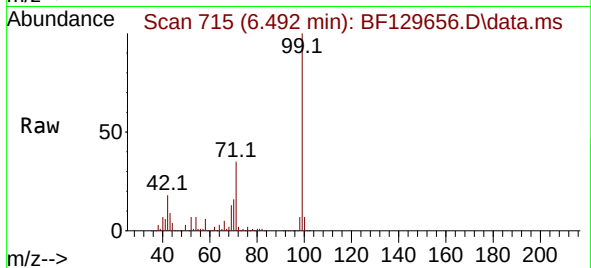




#7
Phenol-d6
Concen: 87.644 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

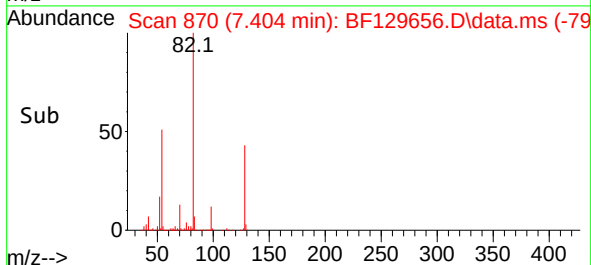
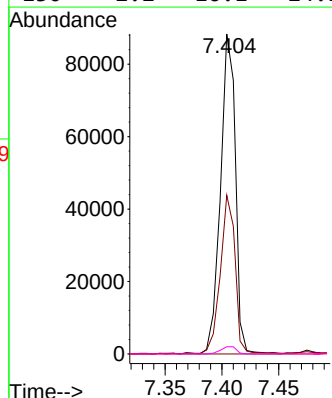
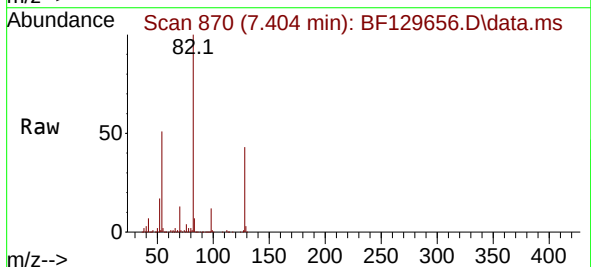
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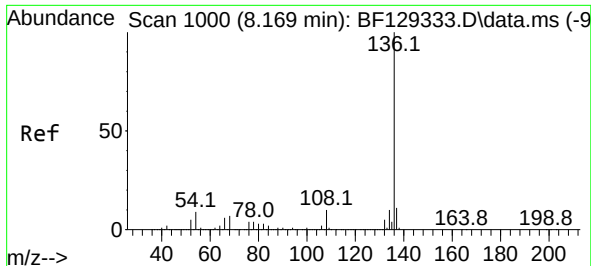
Tgt Ion: 99 Resp: 1010933
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 35.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.625 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion: 70 Resp: 81179
Ion Ratio Lower Upper
70 100
42 49.6 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#



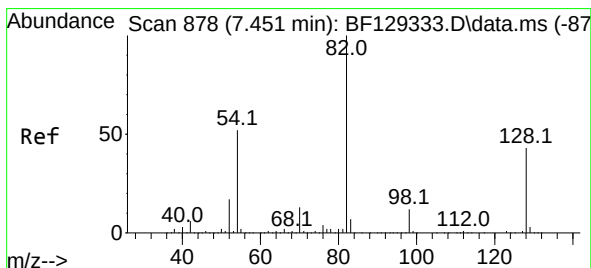
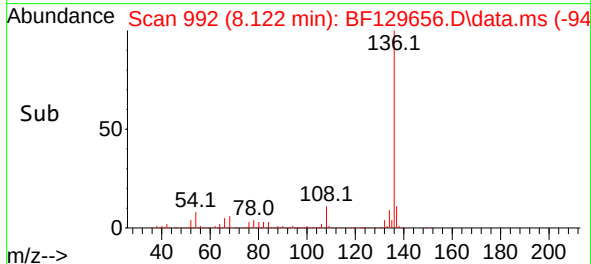
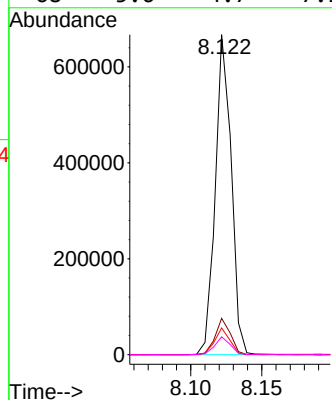
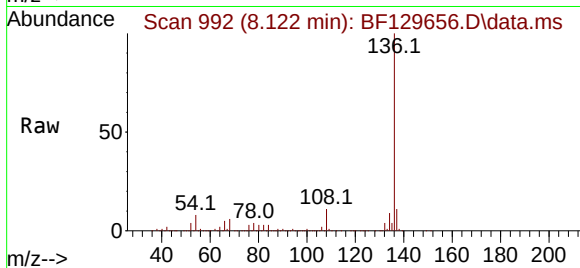


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Instrument :
BNA_F
ClientSampleId :
PL-02-080522

Tgt Ion:136 Resp: 519627

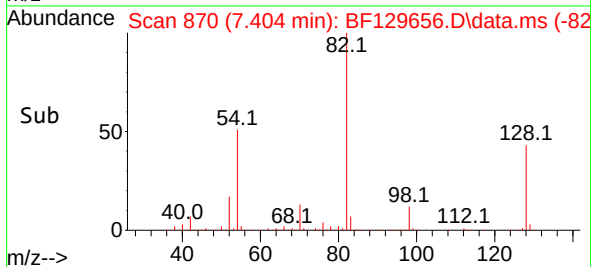
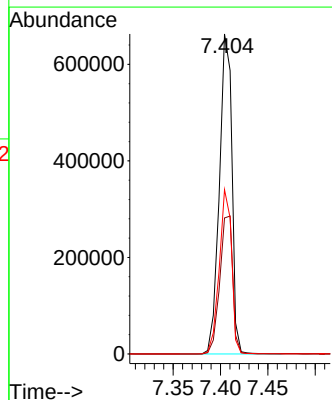
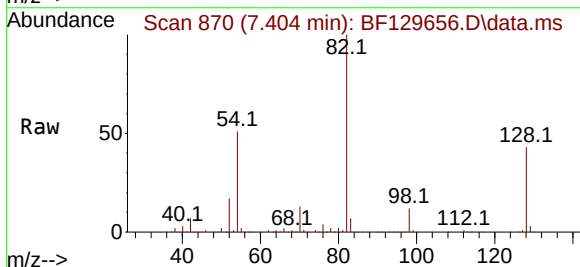
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.4	7.5	11.3
68	5.6	4.7	7.1

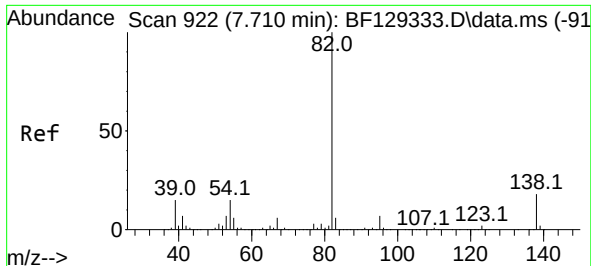


#23
Nitrobenzene-d5
Concen: 64.191 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.018 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion: 82 Resp: 611028

Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.0	51.0
54	51.4	46.9	70.3

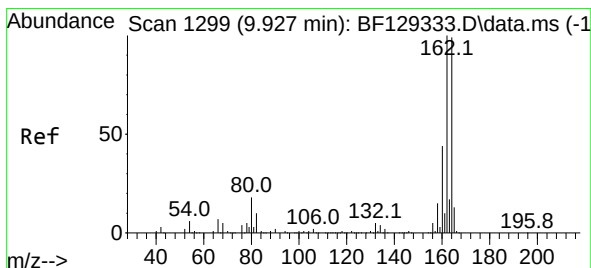
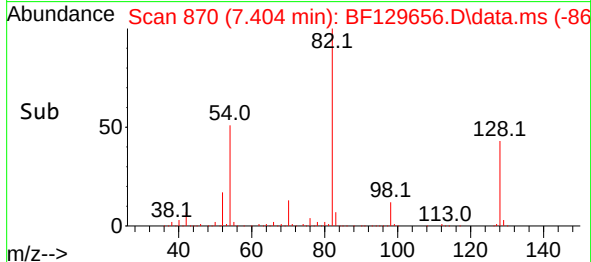
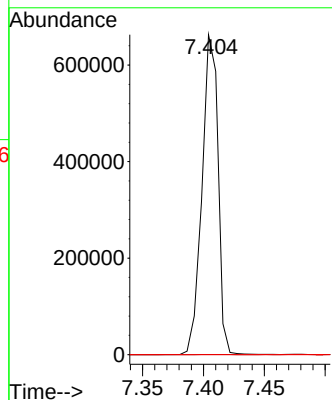
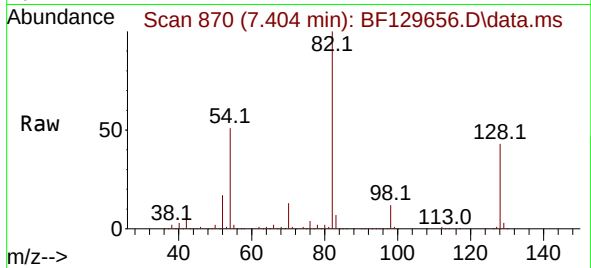




#25
Isophorone
Concen: 35.700 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

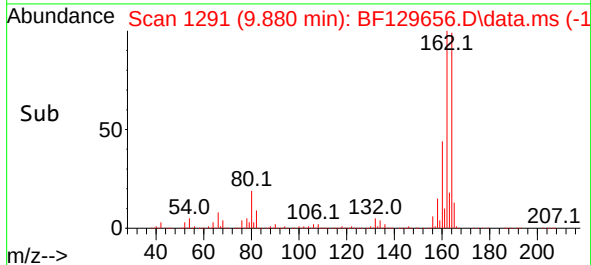
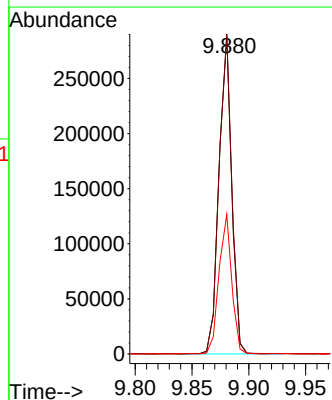
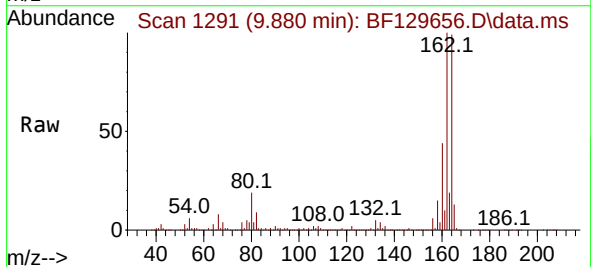
Instrument :
BNA_F
ClientSampleId :
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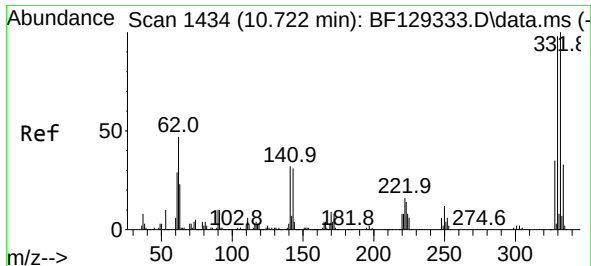
Tgt Ion: 82 Resp: 609146
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion: 164 Resp: 225453
Ion Ratio Lower Upper
164 100
162 100.5 79.5 119.3
160 43.8 34.2 51.4

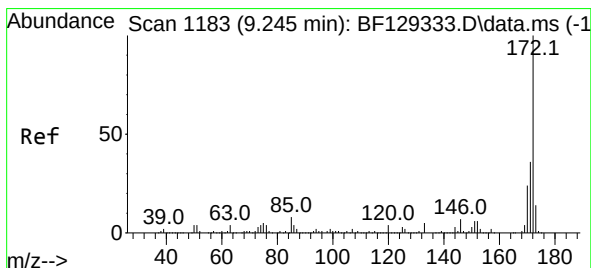
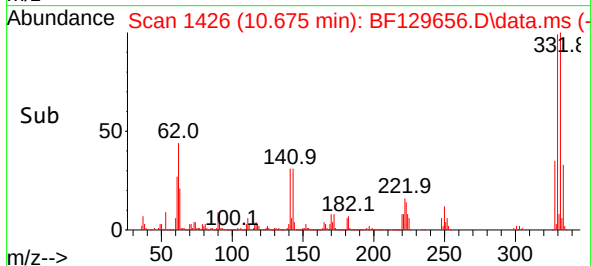
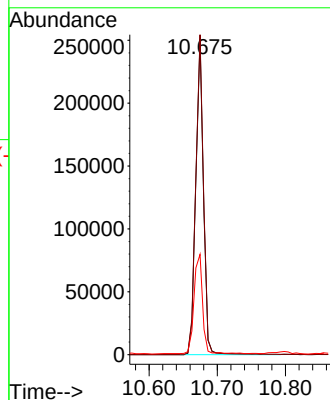
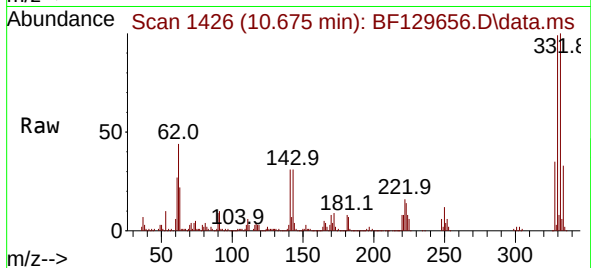




#42
2,4,6-Tribromophenol
Concen: 89.850 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

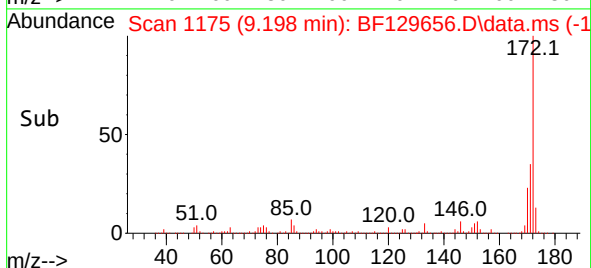
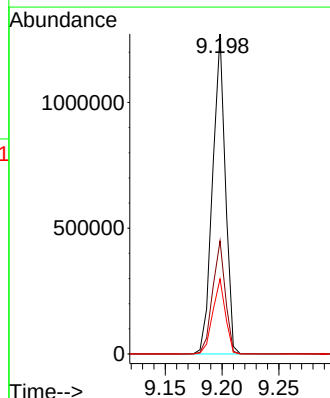
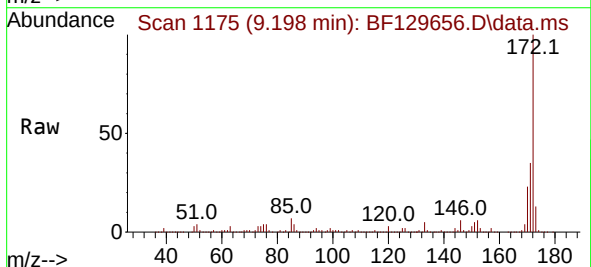
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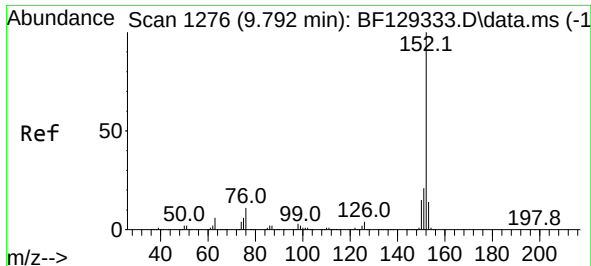
Tgt Ion: 330 Resp: 194756
Ion Ratio Lower Upper
330 100
332 102.3 76.8 115.2
141 34.6 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 68.060 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion: 172 Resp: 991911
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.5 19.8 29.8

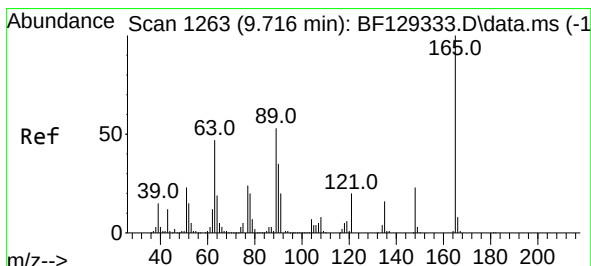
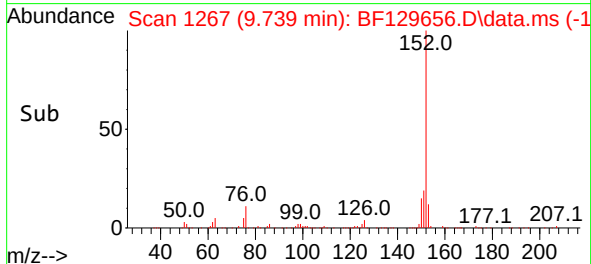
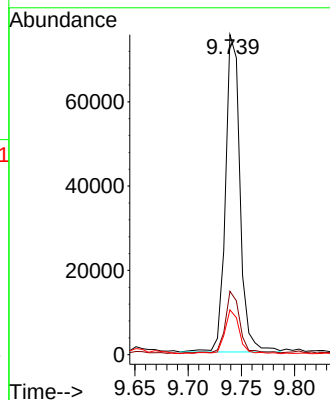
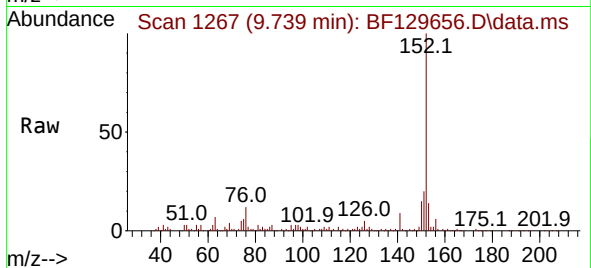




#49
Acenaphthylene
Concen: 3.528 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

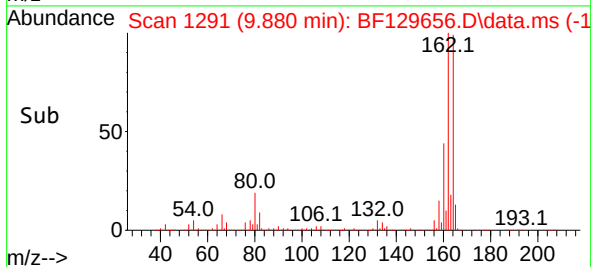
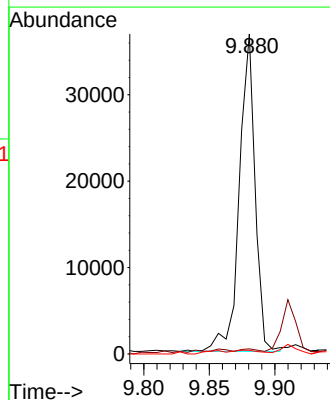
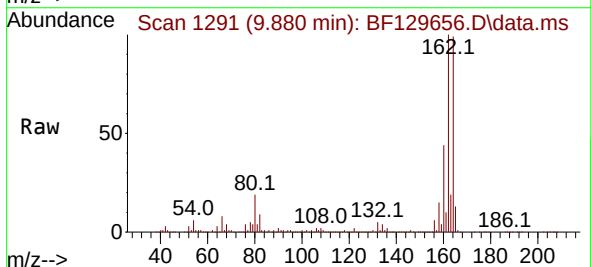
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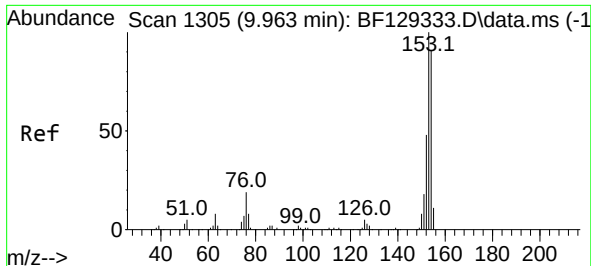
Tgt Ion:152 Resp: 71309
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.4
153 14.0 10.7 16.1



#51
2,6-Dinitrotoluene
Concen: 8.862 ng
RT: 9.880 min Scan# 1291
Delta R.T. 0.200 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:165 Resp: 30871
Ion Ratio Lower Upper
165 100
63 1.6 44.9 67.3#
89 1.2 43.6 65.4#

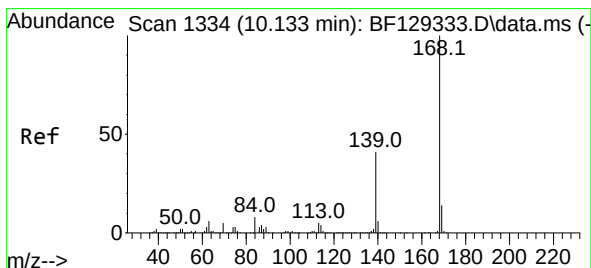
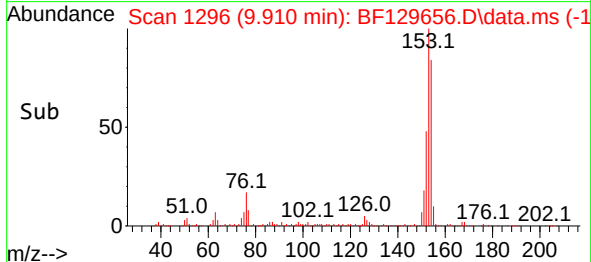
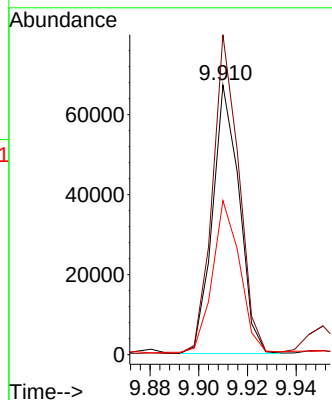
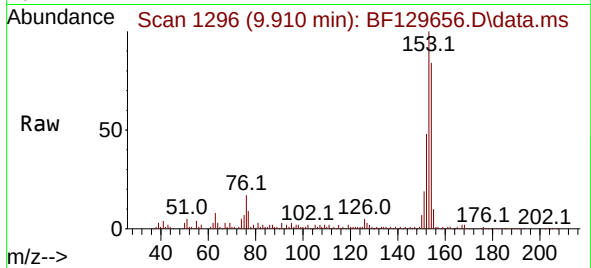




#52
Acenaphthene
Concen: 3.885 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

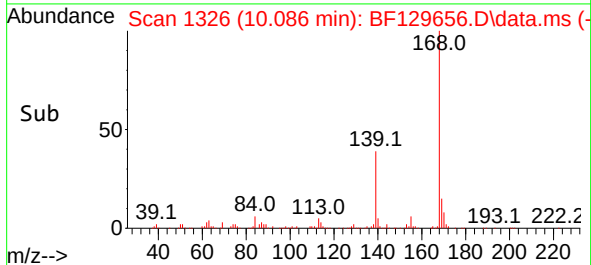
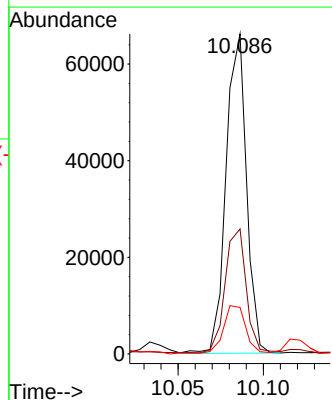
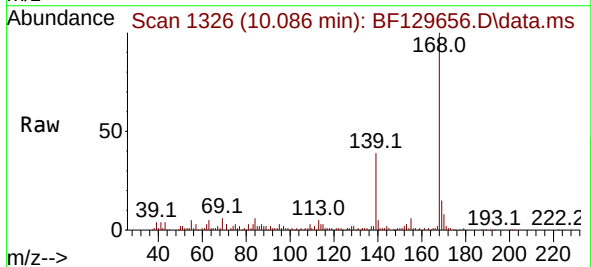
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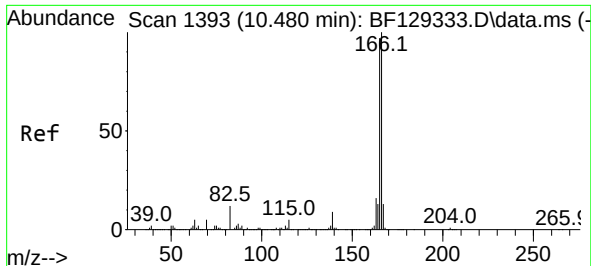
Tgt Ion:154 Resp: 51283
Ion Ratio Lower Upper
154 100
153 118.7 89.6 134.4
152 57.1 42.4 63.6



#55
Dibenzofuran
Concen: 3.030 ng
RT: 10.086 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:168 Resp: 55145
Ion Ratio Lower Upper
168 100
139 39.1 30.6 46.0
169 14.5 11.0 16.6

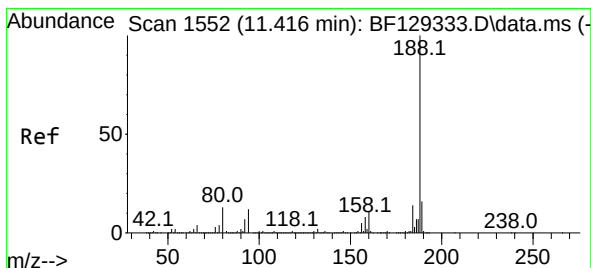
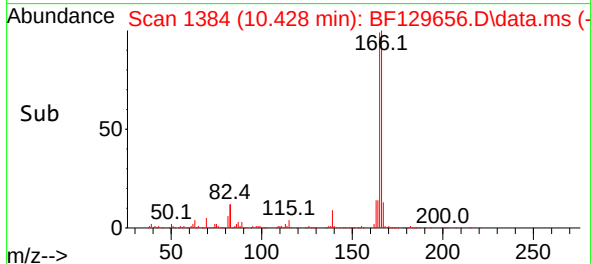
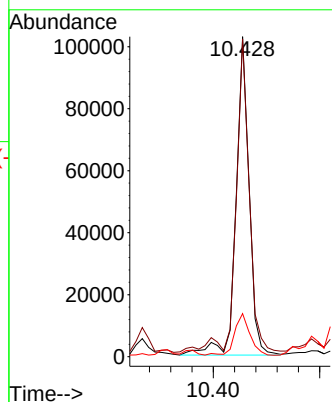
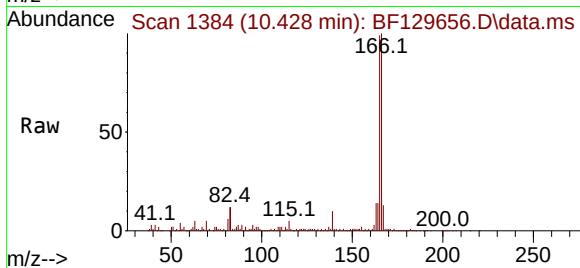




#58
 Fluorene
 Concen: 6.053 ng
 RT: 10.428 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129656.D
 Acq: 09 Aug 2022 04:56

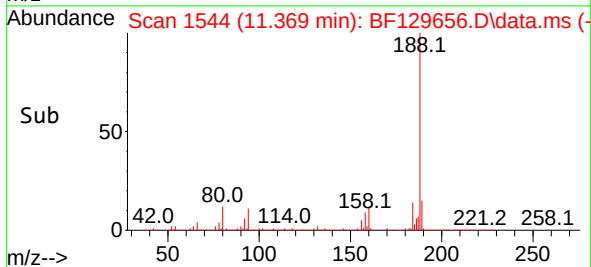
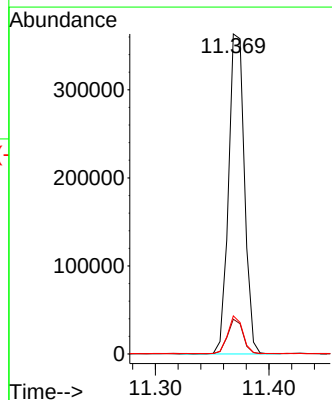
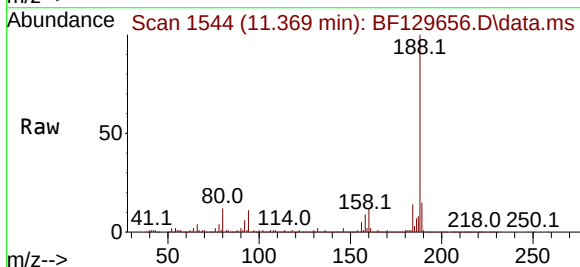
Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080522

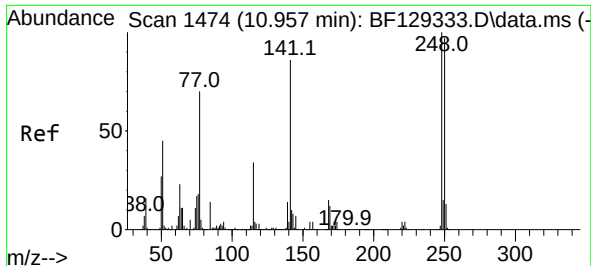
Tgt Ion:166 Resp: 88127
 Ion Ratio Lower Upper
 166 100
 165 99.3 78.1 117.1
 167 13.4 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.369 min Scan# 1544
 Delta R.T. -0.012 min
 Lab File: BF129656.D
 Acq: 09 Aug 2022 04:56

Tgt Ion:188 Resp: 353926
 Ion Ratio Lower Upper
 188 100
 94 10.8 7.0 10.6#
 80 11.9 7.6 11.4#

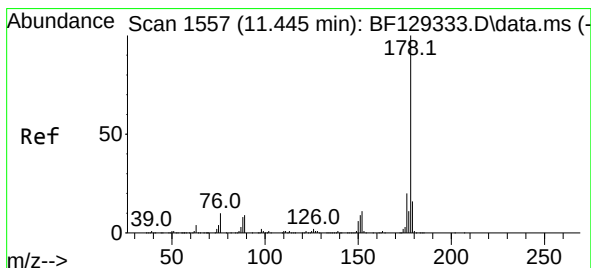
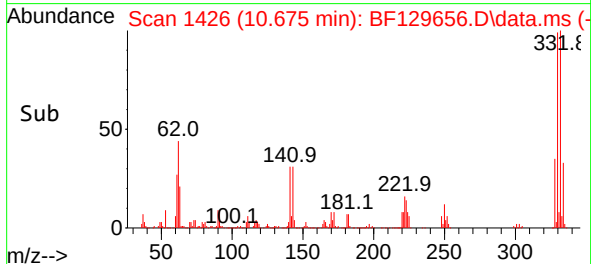
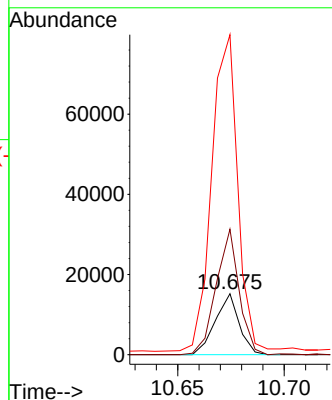
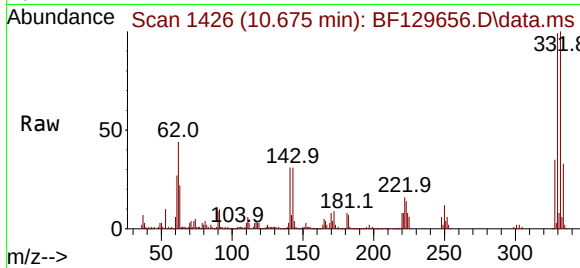




#67
4-Bromophenyl-phenylether
Concen: 3.052 ng
RT: 10.675 min Scan# 1474
Delta R.T. -0.247 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

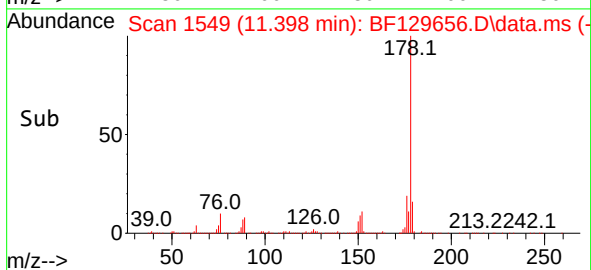
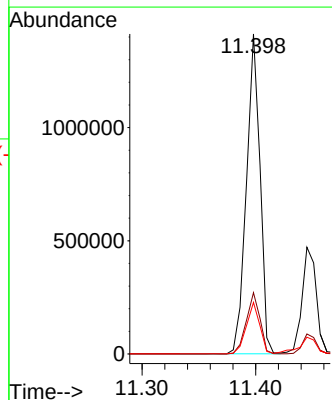
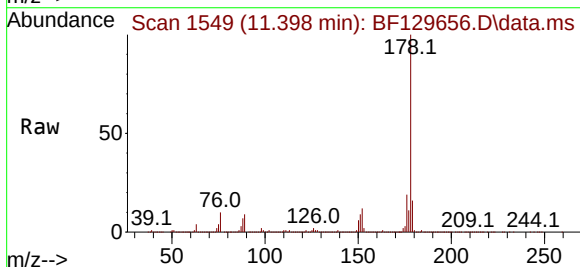
Instrument :
BNA_F
ClientSampleId :
PL-02-080522

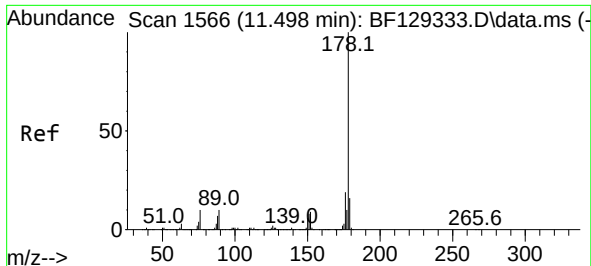
Tgt Ion:248 Resp: 11828
Ion Ratio Lower Upper
248 100
250 205.9 80.6 120.8#
141 525.1 58.9 88.3#



#71
Phenanthrene
Concen: 60.790 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:178 Resp: 1174460
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 16.1 12.6 19.0

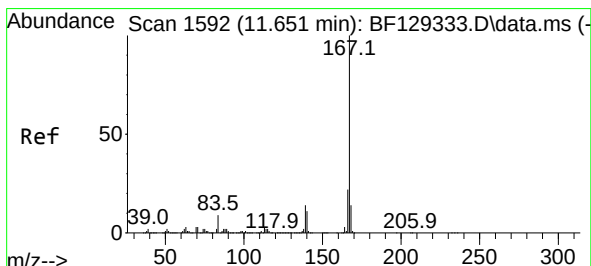
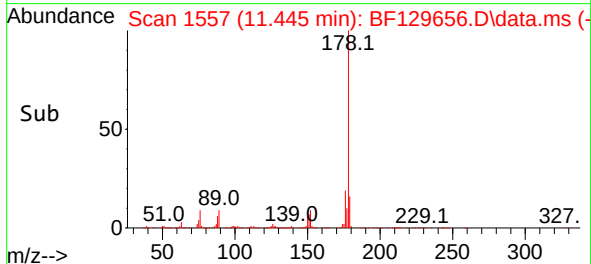
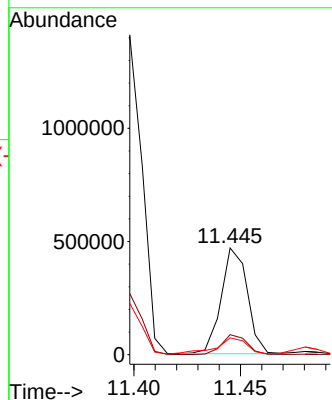
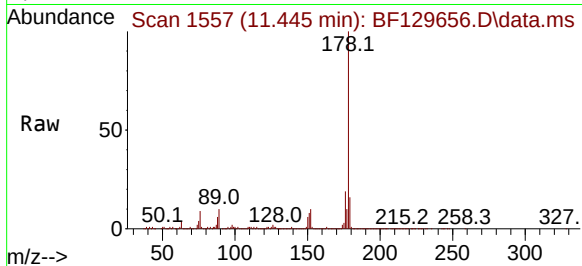




#72
 Anthracene
 Concen: 21.066 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129656.D
 Acq: 09 Aug 2022 04:56

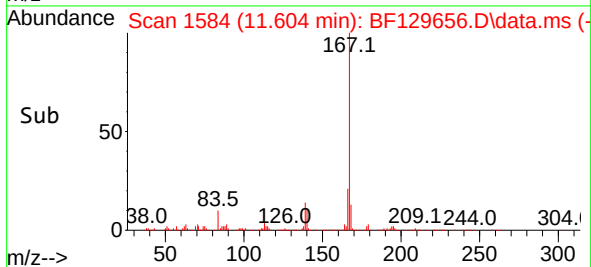
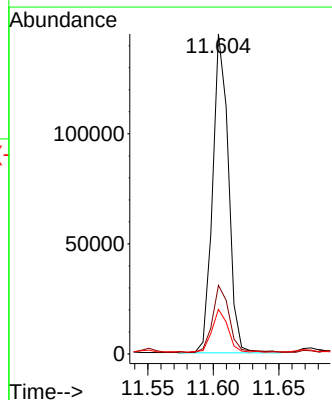
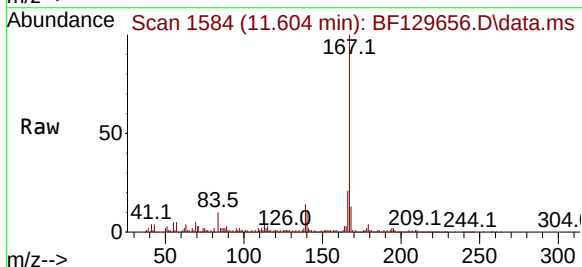
Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080522

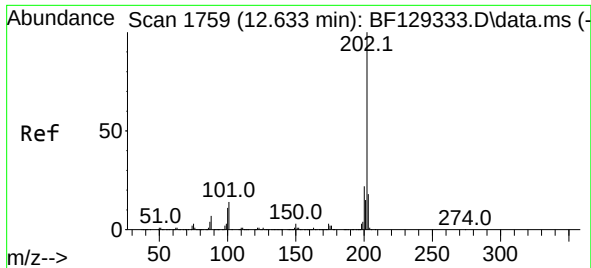
Tgt Ion:178 Resp: 399956
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.8 12.6 19.0



#73
 Carbazole
 Concen: 6.790 ng
 RT: 11.604 min Scan# 1584
 Delta R.T. -0.012 min
 Lab File: BF129656.D
 Acq: 09 Aug 2022 04:56

Tgt Ion:167 Resp: 121359
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.7 26.5
 139 14.0 11.2 16.8

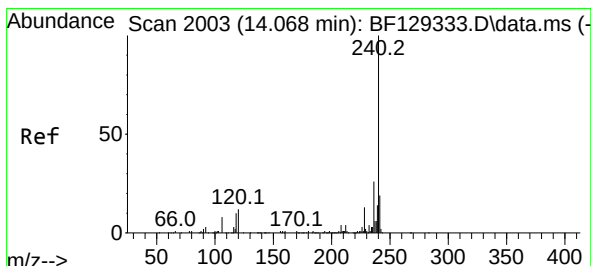
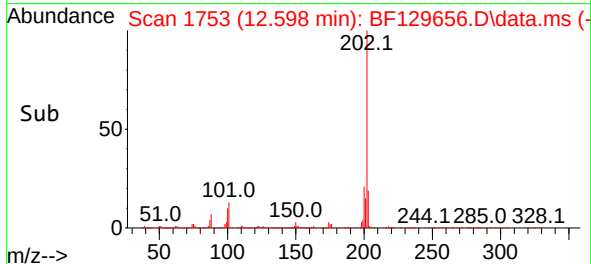
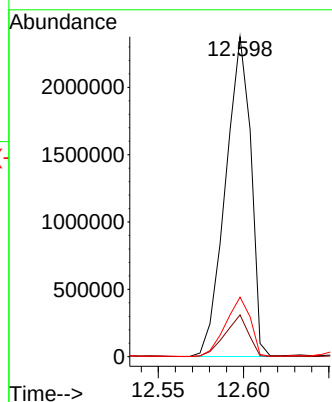
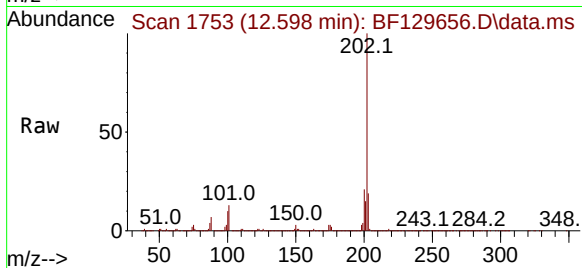




#75
Fluoranthene
Concen: 125.323 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

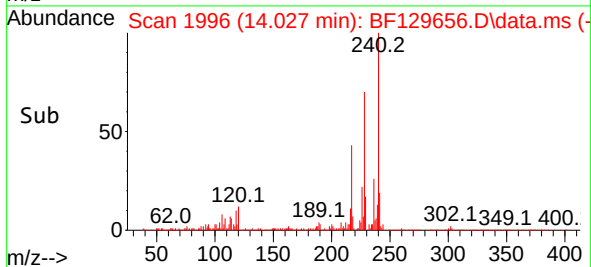
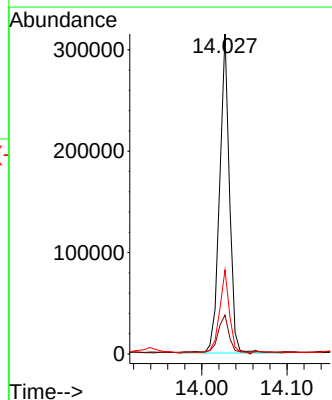
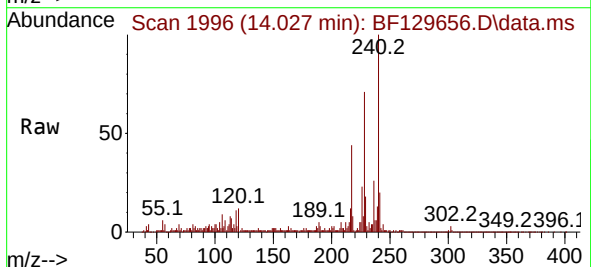
Instrument :
BNA_F
ClientSampleId :
PL-02-080522

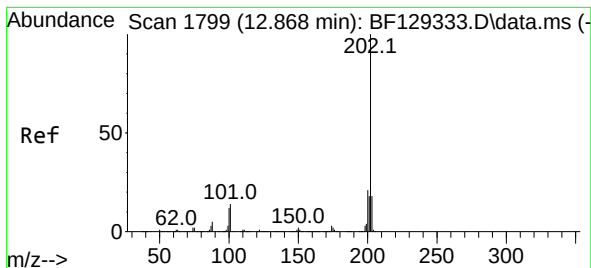
Tgt Ion:202 Resp: 2453251
Ion Ratio Lower Upper
202 100
101 13.0 0.0 31.4
203 18.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:240 Resp: 252321
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 26.2 20.8 31.2





#78

Pyrene

Concen: 104.071 ng

RT: 12.827 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF129656.D

Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

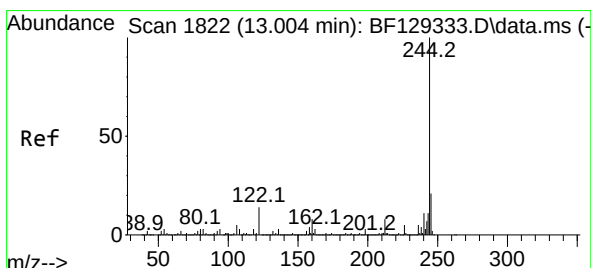
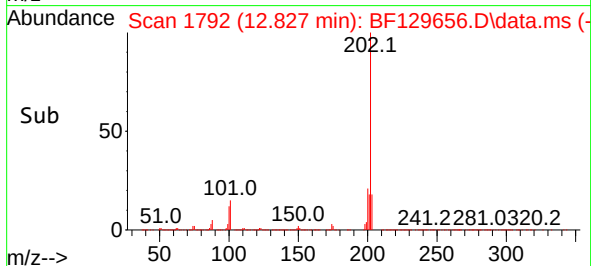
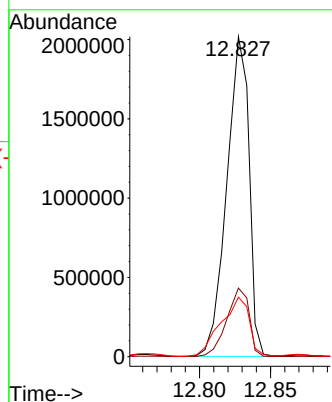
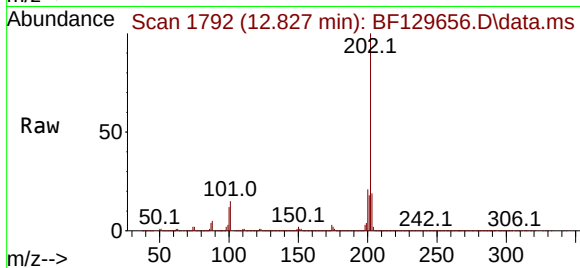
Tgt Ion:202 Resp: 2195879

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

203 18.6 14.6 21.8



#79

Terphenyl-d14

Concen: 74.160 ng

RT: 12.957 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF129656.D

Acq: 09 Aug 2022 04:56

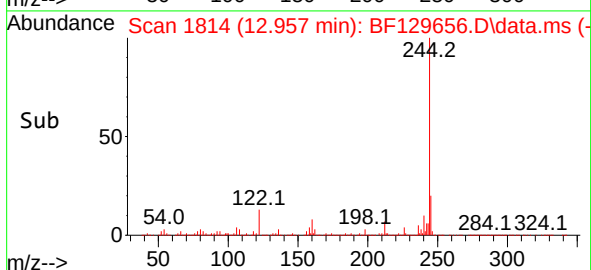
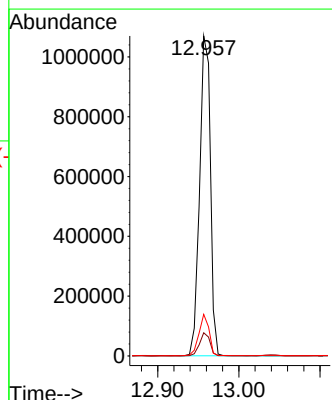
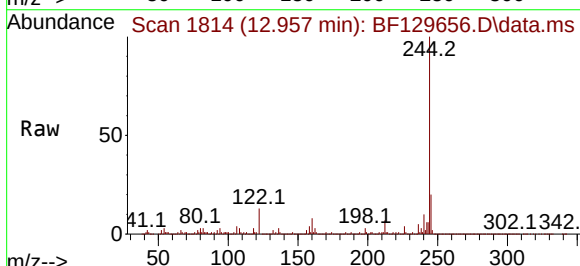
Tgt Ion:244 Resp: 991855

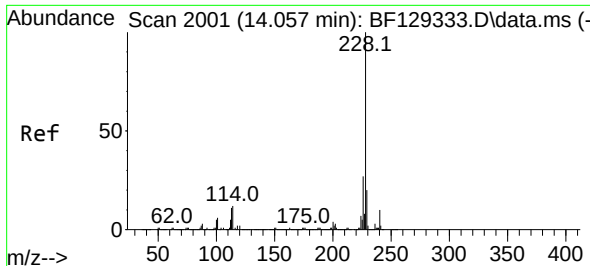
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 13.0 8.8 13.2

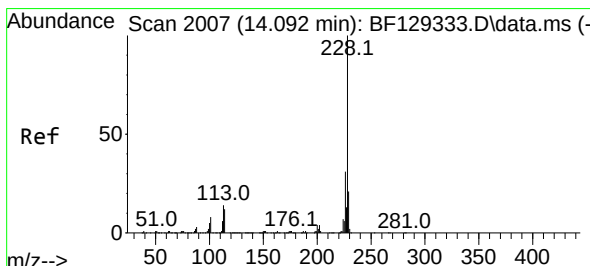
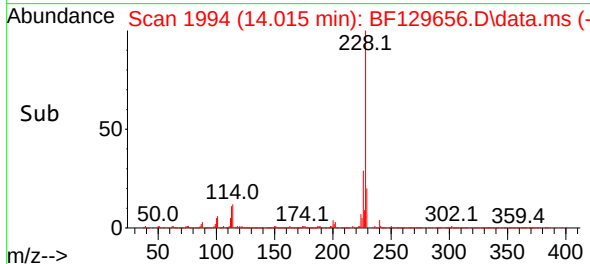
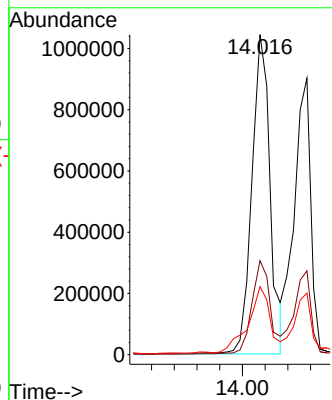
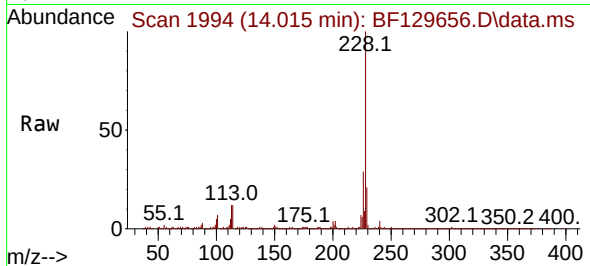




#81
Benzo(a)anthracene
Concen: 67.341 ng
RT: 14.015 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

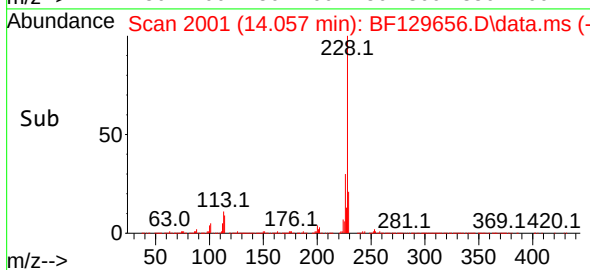
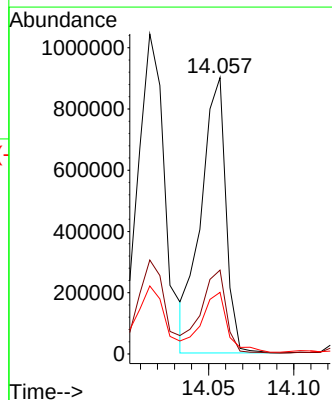
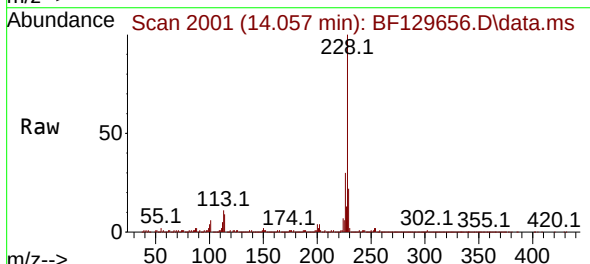
Instrument :
BNA_F
ClientSampleId :
PL-02-080522

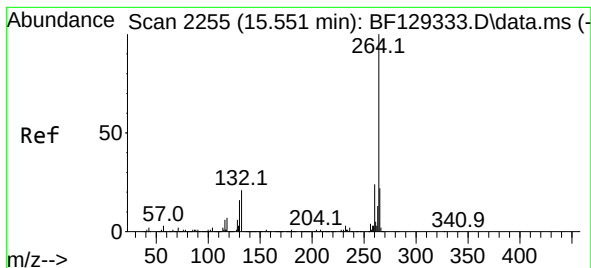
Tgt Ion:228 Resp: 1160691
Ion Ratio Lower Upper
228 100
226 29.4 22.1 33.1
229 21.2 15.8 23.8



#83
Chrysene
Concen: 56.330 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BF129656.D
Acq: 09 Aug 2022 04:56

Tgt Ion:228 Resp: 915042
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 22.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129656.D

Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

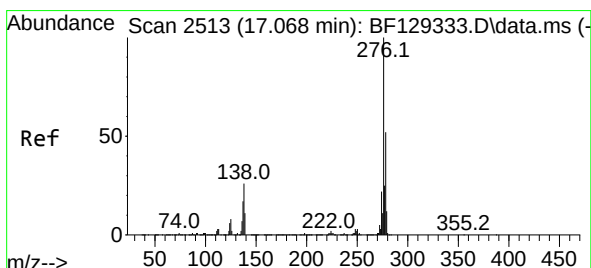
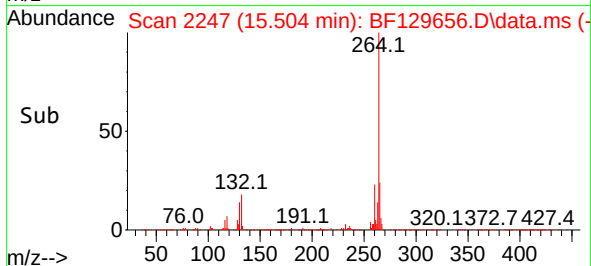
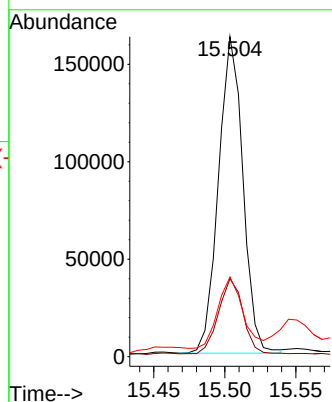
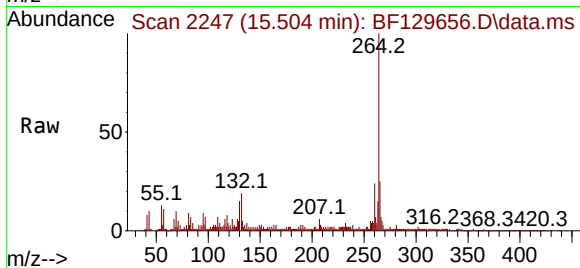
Tgt Ion:264 Resp: 194125

Ion Ratio Lower Upper

264 100

260 24.4 18.4 27.6

265 24.9 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.993 ng

RT: 16.827 min Scan# 2472

Delta R.T. -0.171 min

Lab File: BF129656.D

Acq: 09 Aug 2022 04:56

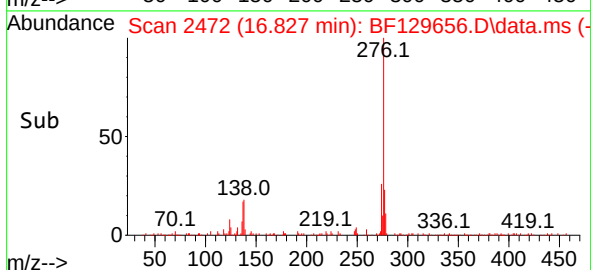
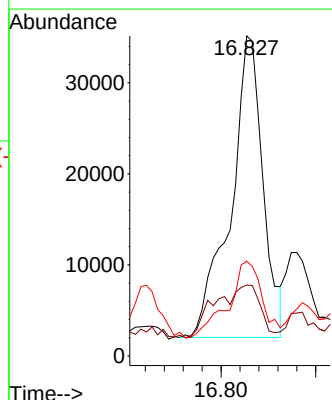
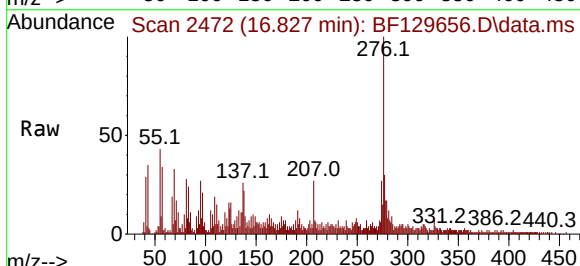
Tgt Ion:276 Resp: 78347

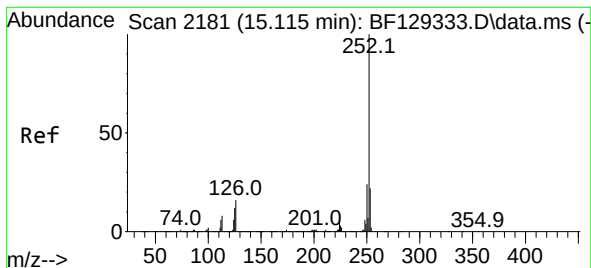
Ion Ratio Lower Upper

276 100

138 24.3 21.1 31.7

277 27.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 107.638 ng

RT: 15.074 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129656.D

Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

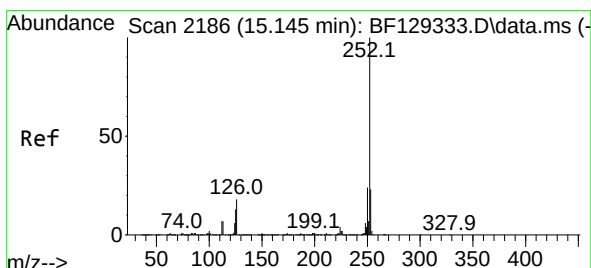
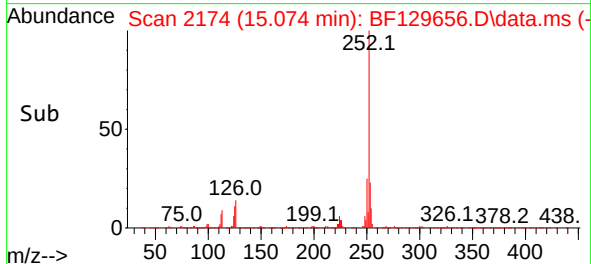
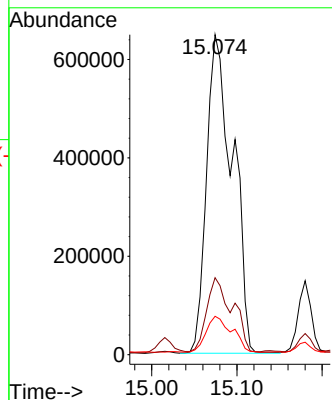
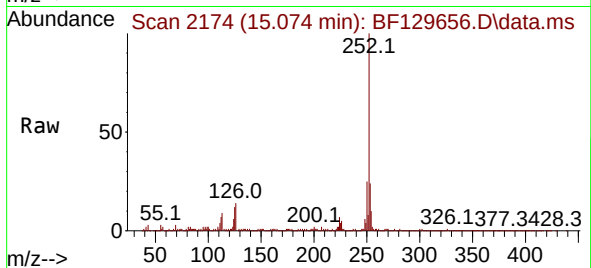
Tgt Ion:252 Resp: 1386042

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 12.0 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 109.838 ng

RT: 15.074 min Scan# 2174

Delta R.T. -0.029 min

Lab File: BF129656.D

Acq: 09 Aug 2022 04:56

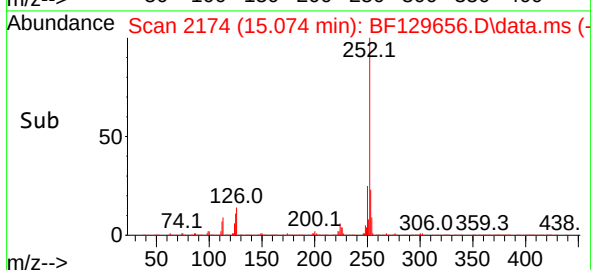
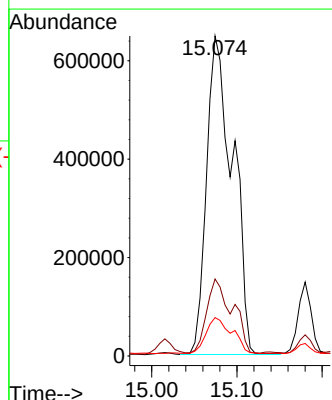
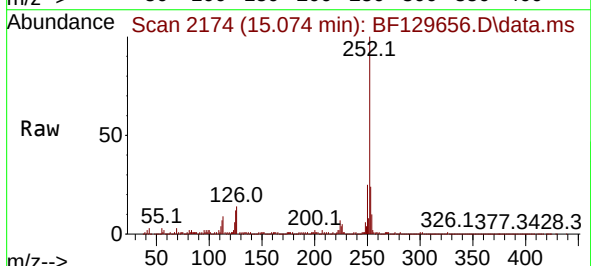
Tgt Ion:252 Resp: 1386042

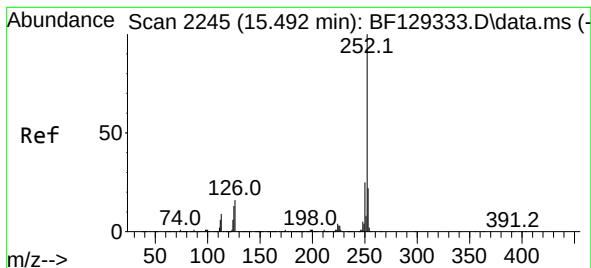
Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

125 12.0 8.3 12.5





#90

Benzo(a)pyrene

Concen: 67.038 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129656.D

Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522

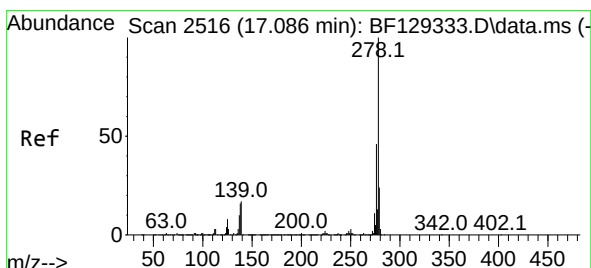
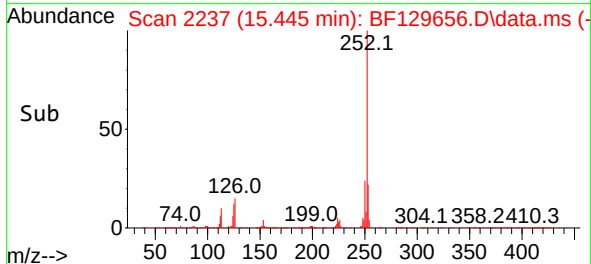
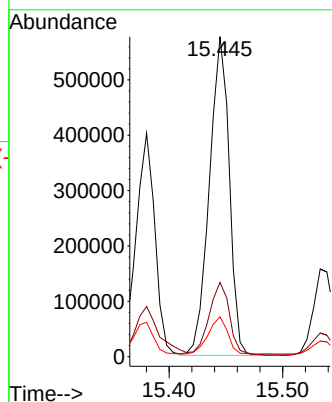
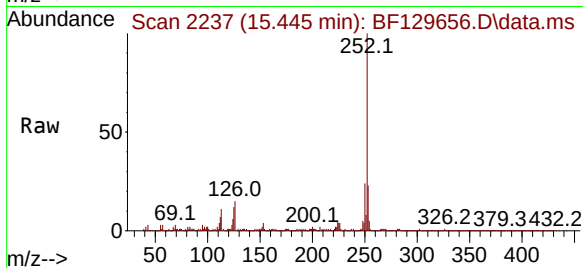
Tgt Ion:252 Resp: 700756

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

125 12.5 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 10.436 ng

RT: 16.998 min Scan# 2501

Delta R.T. -0.012 min

Lab File: BF129656.D

Acq: 09 Aug 2022 04:56

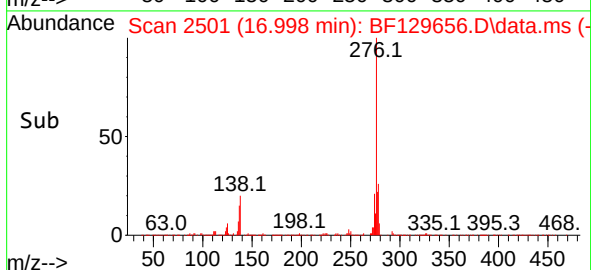
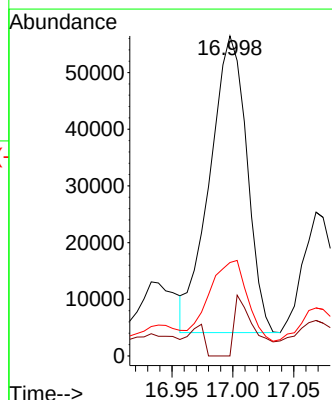
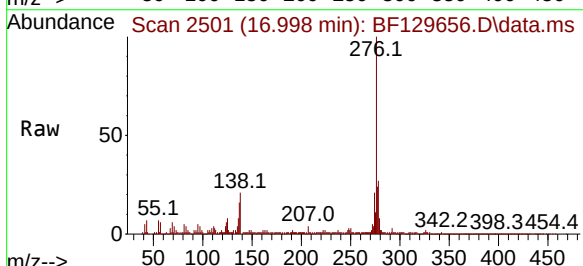
Tgt Ion:278 Resp: 111041

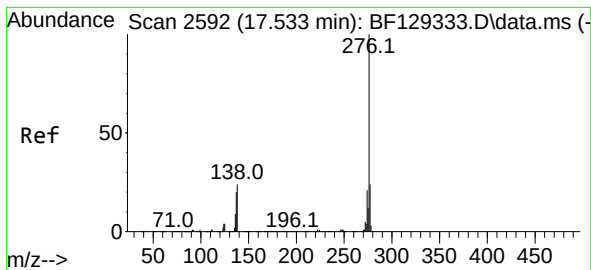
Ion Ratio Lower Upper

278 100

139 0.0 12.8 19.2#

279 29.2 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 34.859 ng

RT: 17.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129656.D

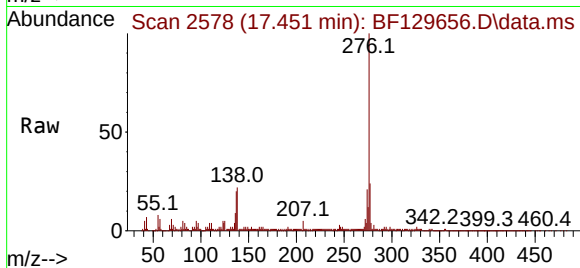
Acq: 09 Aug 2022 04:56

Instrument :

BNA_F

ClientSampleId :

PL-02-080522



Tgt Ion:276 Resp: 378989

Ion Ratio Lower Upper

276 100

277 24.3 19.1 28.7

138 21.9 18.0 27.0

