

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129662.D
 Acq On : 09 Aug 2022 12:31
 Operator : CG\JU
 Sample : N4023-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-1-6

Quant Time: Aug 09 15:16:30 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)

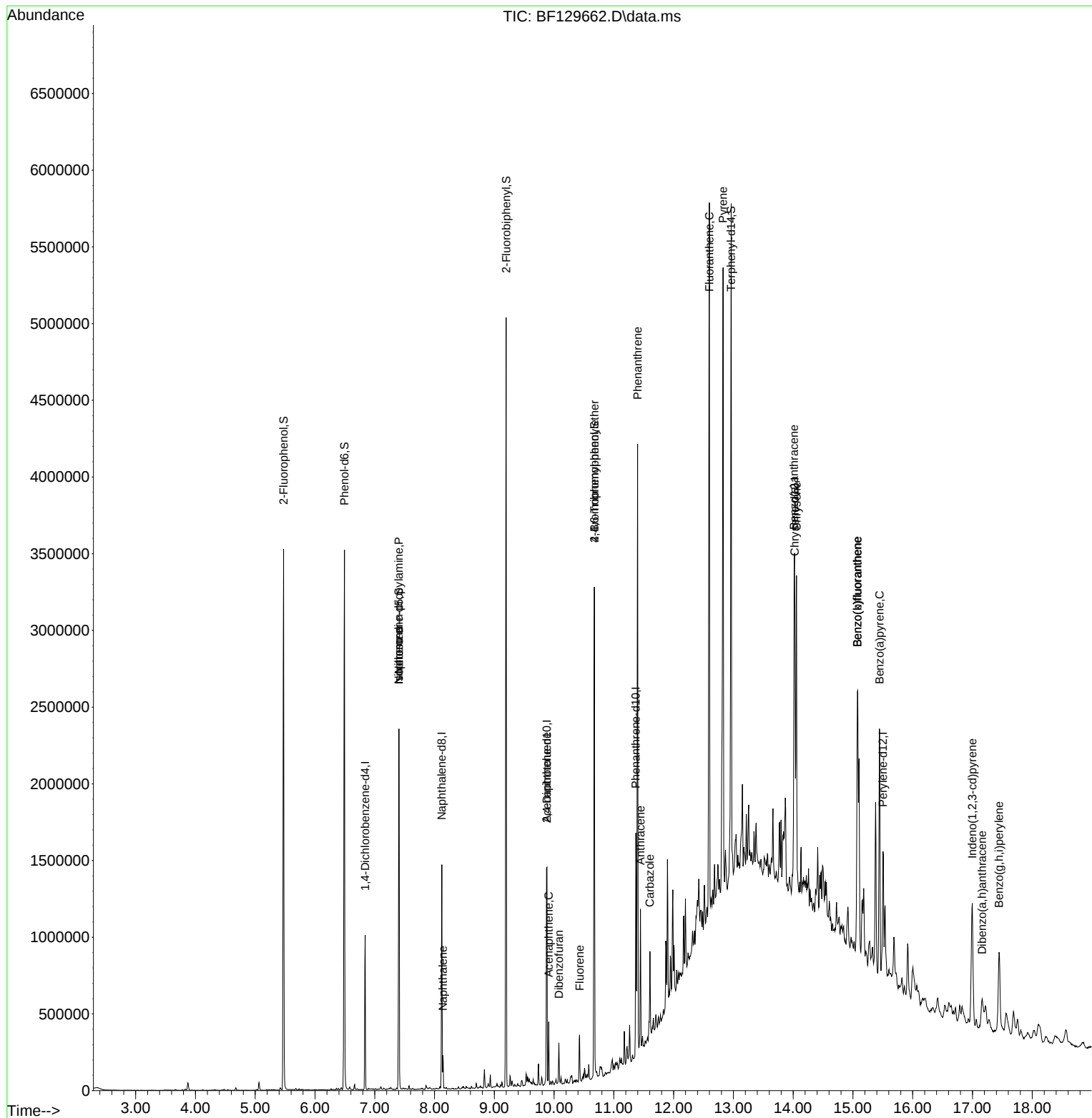
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	138478	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	554833	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	302382	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	537037	20.000	ng	#-0.01
76) Chrysene-d12	14.027	240	363148	20.000	ng	0.00
86) Perylene-d12	15.504	264	386276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	920707	108.308	ng	0.00
7) Phenol-d6	6.492	99	1157369	108.317	ng	-0.01
23) Nitrobenzene-d5	7.404	82	743838	73.184	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	359835	123.775	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1394672	71.350	ng	-0.01
79) Terphenyl-d14	12.963	244	1488693	77.339	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	97491	15.071	ng	# 73
25) Isophorone	7.404	82	741266	40.687	ng	# 65
31) Naphthalene	8.139	128	84303	2.991	ng	100
52) Acenaphthene	9.910	154	71742	4.052	ng	99
55) Dibenzofuran	10.081	168	77972	3.195	ng	98
57) 2,4-Dinitrotoluene	9.880	165	41388	6.781	ng	# 22
58) Fluorene	10.428	166	87015	4.456	ng	96
67) 4-Bromophenyl-phenylether	10.675	248	22880	3.891	ng	# 1
71) Phenanthrene	11.398	178	1380997	47.108	ng	99
72) Anthracene	11.445	178	314753	10.926	ng	99
73) Carbazole	11.604	167	197058	7.266	ng	99
75) Fluoranthene	12.598	202	1960882	66.016	ng	99
78) Pyrene	12.827	202	1724032	56.772	ng	99
81) Benzo(a)anthracene	14.016	228	867692	34.978	ng	97
83) Chrysene	14.057	228	800139	34.224	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	484144	18.612	ng	# 94
88) Benzo(b)fluoranthene	15.074	252	1433275	55.937	ng	97
89) Benzo(k)fluoranthene	15.074	252	1433275	57.081	ng	98
90) Benzo(a)pyrene	15.445	252	773832	37.203	ng	96
91) Dibenzo(a,h)anthracene	17.162	278	97712	4.615	ng	92
92) Benzo(g,h,i)perylene	17.445	276	432786	20.005	ng	99

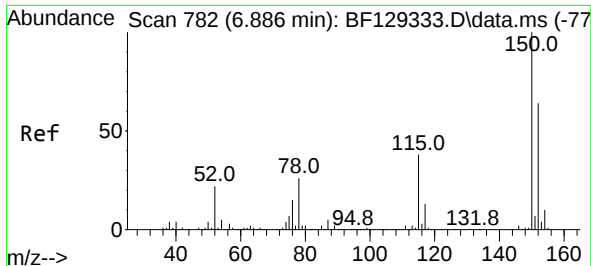
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
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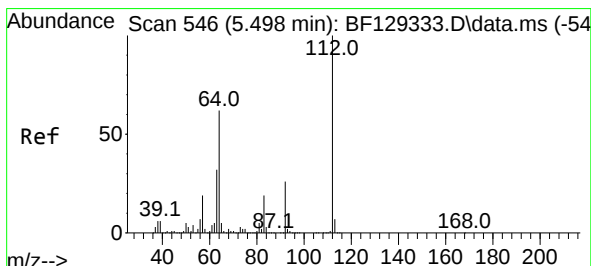
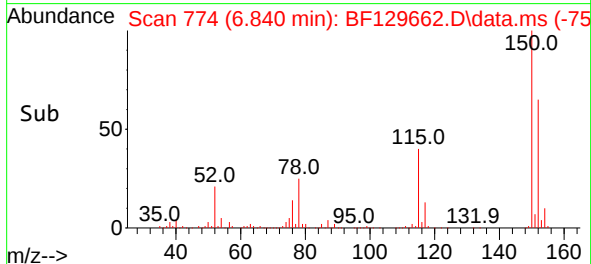
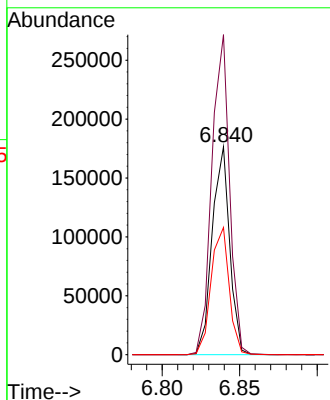
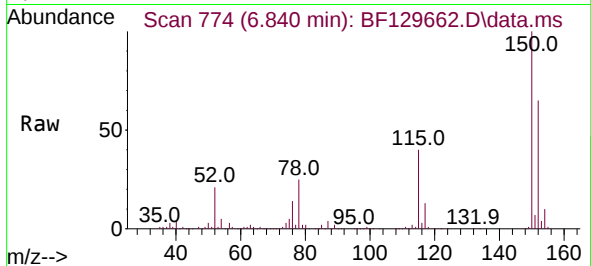




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BF129662.D
 Acq: 09 Aug 2022 12:31

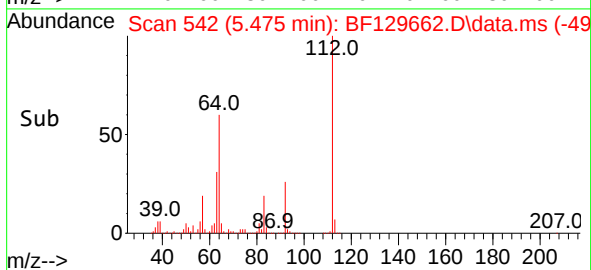
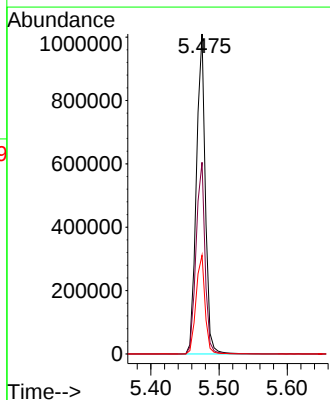
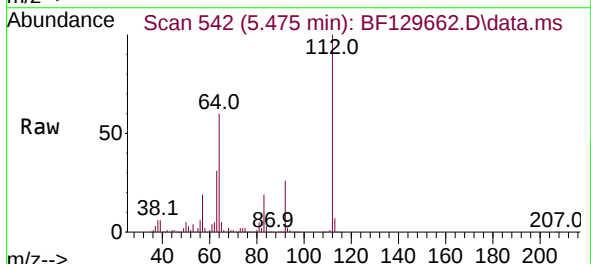
Instrument :
 BNA_F
 ClientSampleId :
 TP2-1-6

Tgt Ion:152 Resp: 138478
 Ion Ratio Lower Upper
 152 100
 150 153.9 123.7 185.5
 115 61.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 108.308 ng
 RT: 5.475 min Scan# 542
 Delta R.T. -0.006 min
 Lab File: BF129662.D
 Acq: 09 Aug 2022 12:31

Tgt Ion:112 Resp: 920707
 Ion Ratio Lower Upper
 112 100
 64 59.9 53.3 79.9
 63 30.8 28.0 42.0

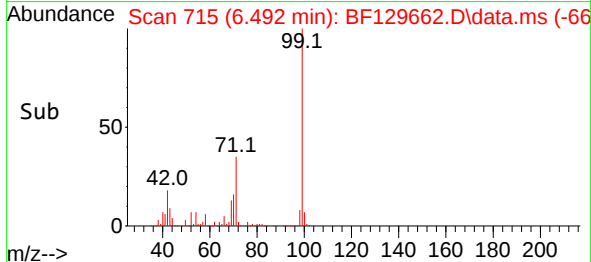
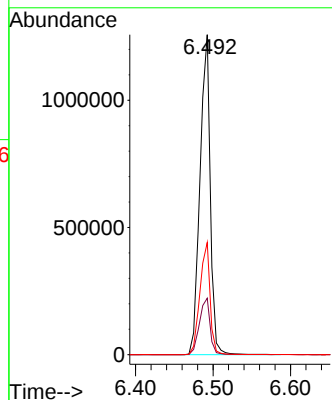
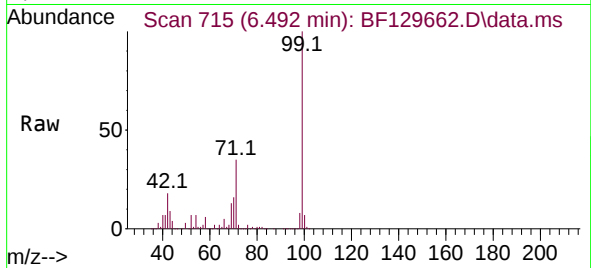




#7
Phenol-d6
Concen: 108.317 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

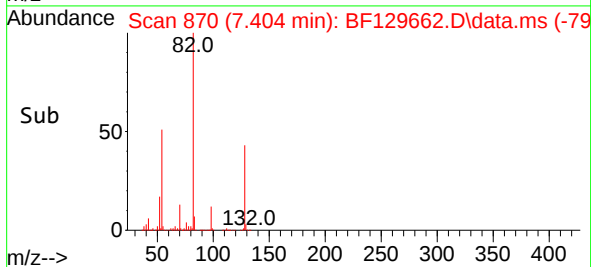
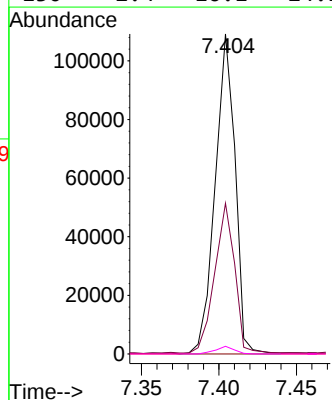
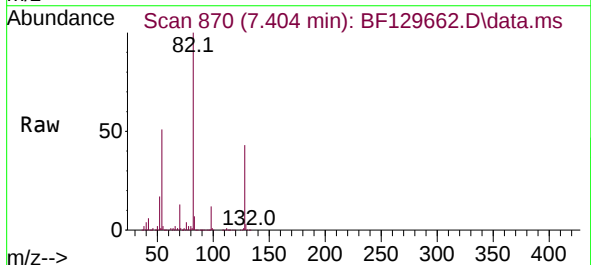
Instrument :
BNA_F
ClientSampleId :
TP2-1-6

Tgt Ion: 99 Resp: 1157369
Ion Ratio Lower Upper
99 100
42 17.7 17.3 25.9
71 35.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.071 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

Tgt Ion: 70 Resp: 97491
Ion Ratio Lower Upper
70 100
42 47.1 52.3 78.5#
101 0.0 7.5 11.3#
130 2.4 16.1 24.1#



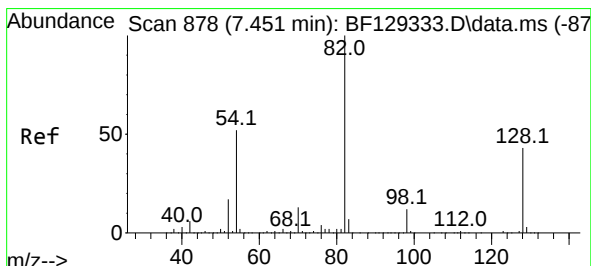
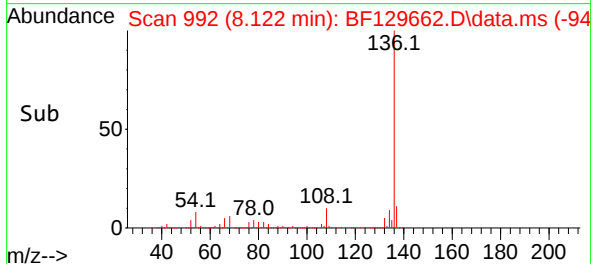
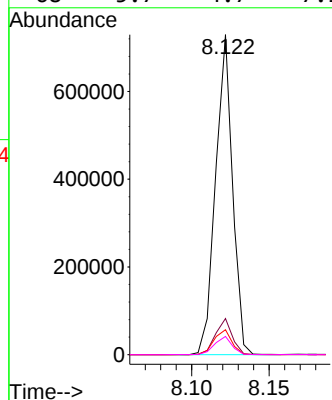
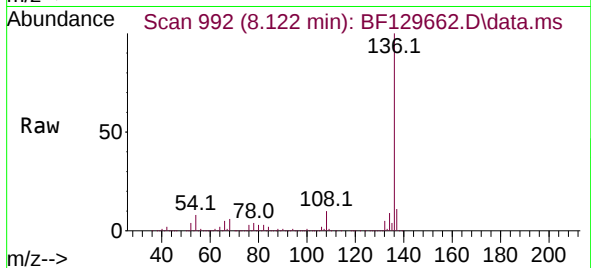


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

Instrument :
BNA_F
ClientSampleId :
TP2-1-6

Tgt Ion:136 Resp: 554833

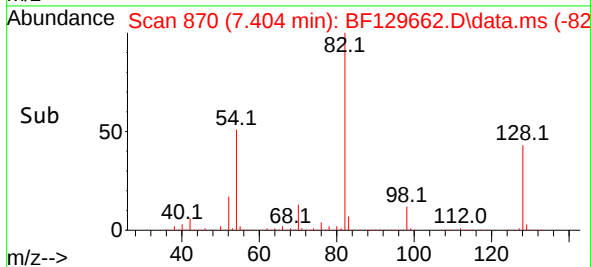
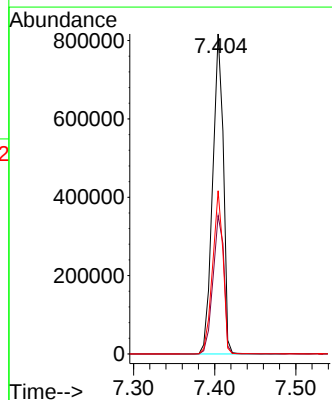
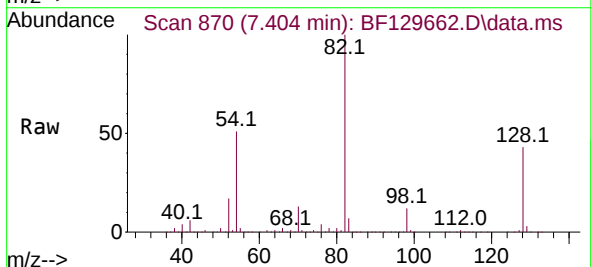
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.8	7.5	11.3
68	5.7	4.7	7.1



#23
Nitrobenzene-d5
Concen: 73.184 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.018 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

Tgt Ion: 82 Resp: 743838

Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.0	51.0
54	51.0	46.9	70.3

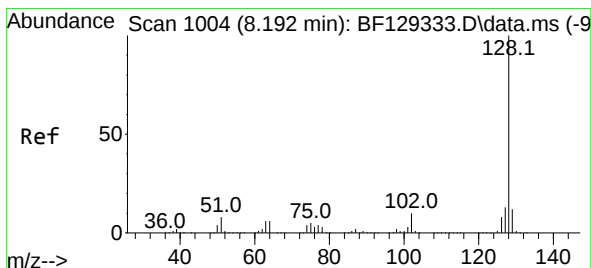
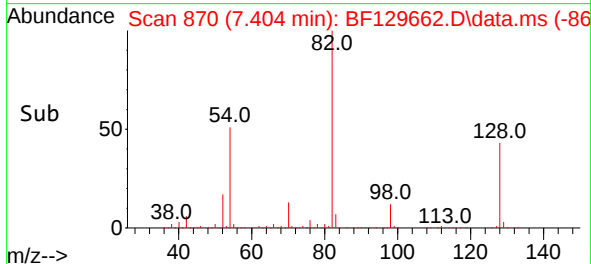
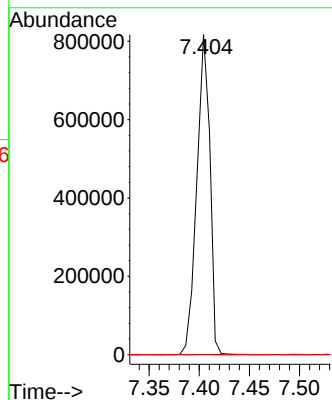
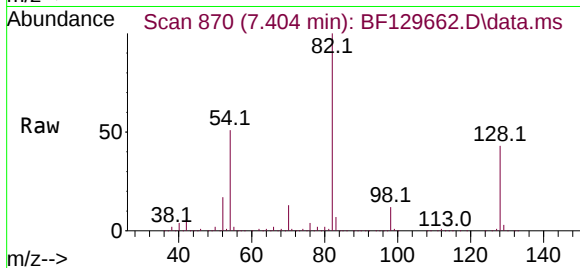




#25
Isophorone
Concen: 40.687 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

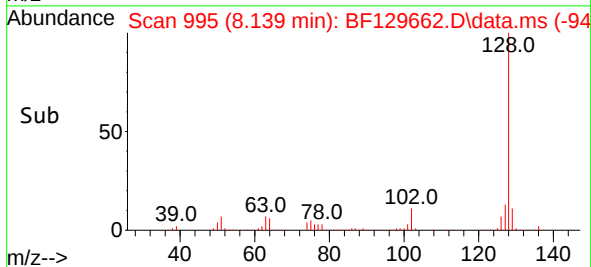
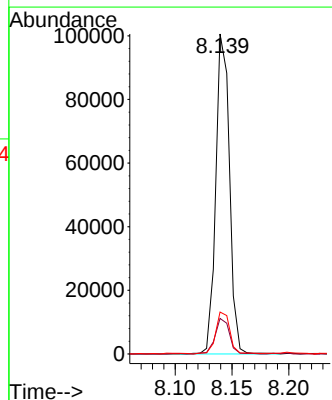
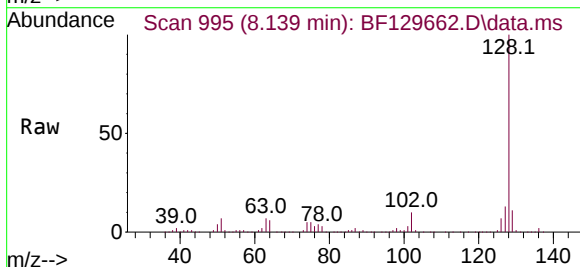
Instrument :
BNA_F
ClientSampleId :
TP2-1-6

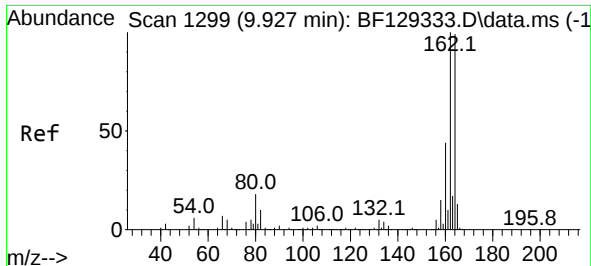
Tgt Ion: 82 Resp: 741266
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 2.991 ng
RT: 8.139 min Scan# 995
Delta R.T. -0.018 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

Tgt Ion: 128 Resp: 84303
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 13.1 10.5 15.7

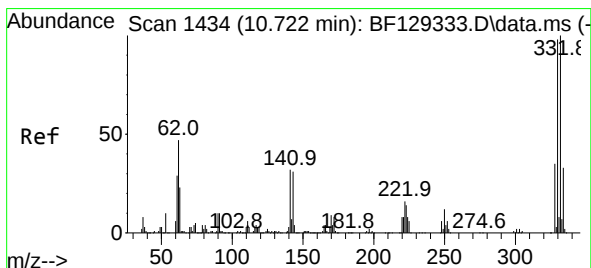
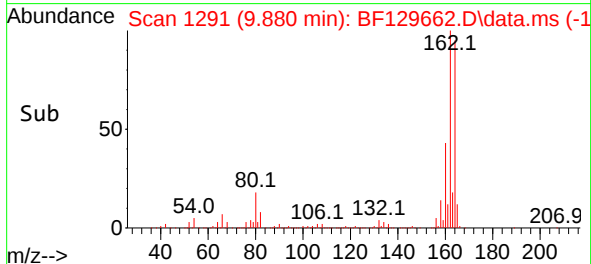
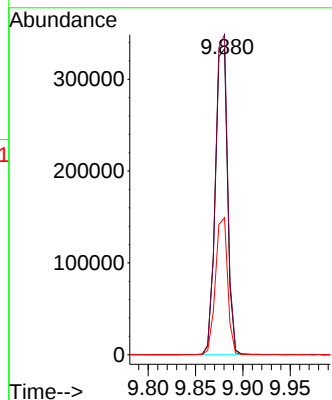
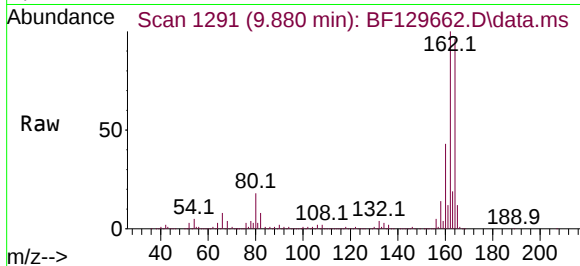




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

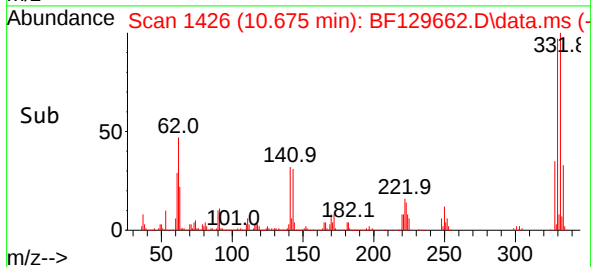
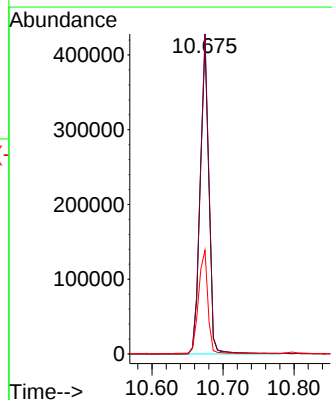
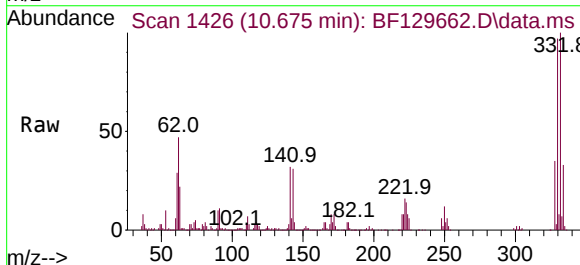
Instrument :
BNA_F
ClientSampleId :
TP2-1-6

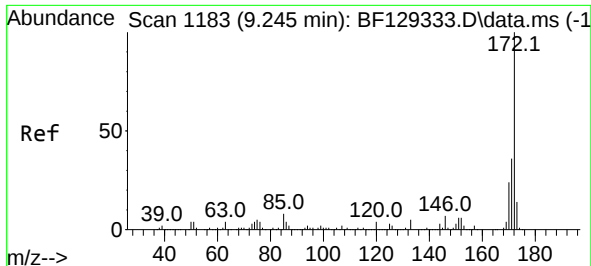
Tgt Ion:164 Resp: 302382
Ion Ratio Lower Upper
164 100
162 104.7 79.5 119.3
160 44.8 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 123.775 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

Tgt Ion:330 Resp: 359835
Ion Ratio Lower Upper
330 100
332 102.4 76.8 115.2
141 35.7 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 71.350 ng

RT: 9.198 min Scan# 1183

Delta R.T. -0.012 min

Lab File: BF129662.D

Acq: 09 Aug 2022 12:31

Instrument :

BNA_F

ClientSampleId :

TP2-1-6

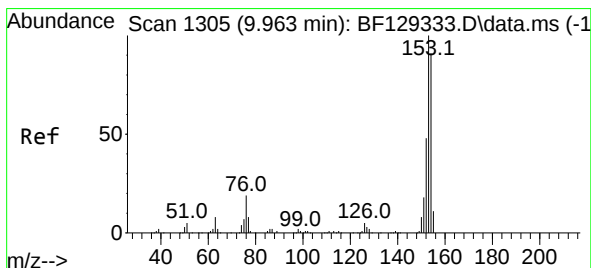
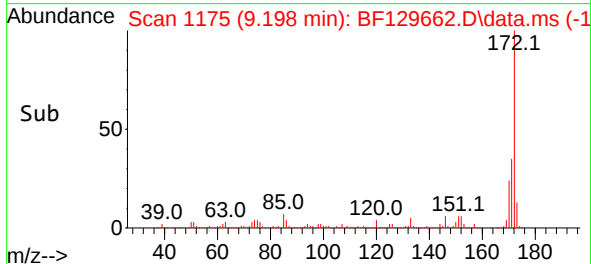
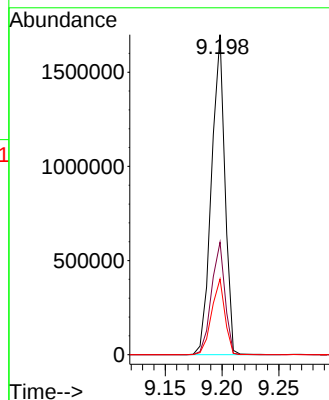
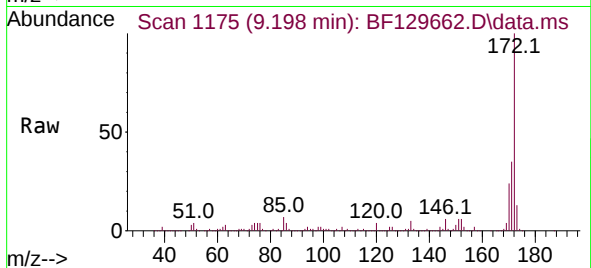
Tgt Ion:172 Resp: 1394672

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.7 19.8 29.8



#52

Acenaphthene

Concen: 4.052 ng

RT: 9.910 min Scan# 1296

Delta R.T. -0.018 min

Lab File: BF129662.D

Acq: 09 Aug 2022 12:31

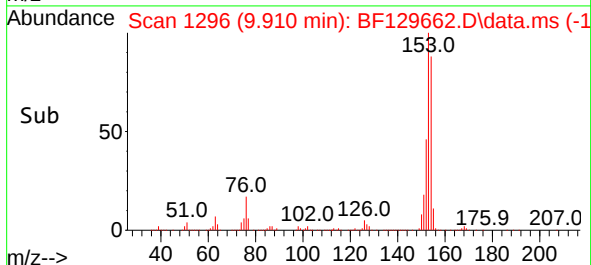
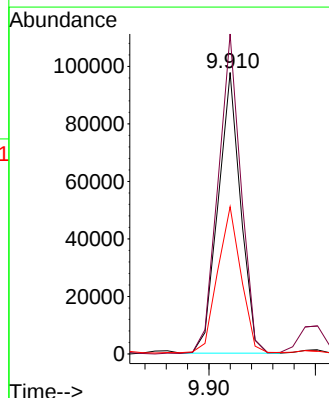
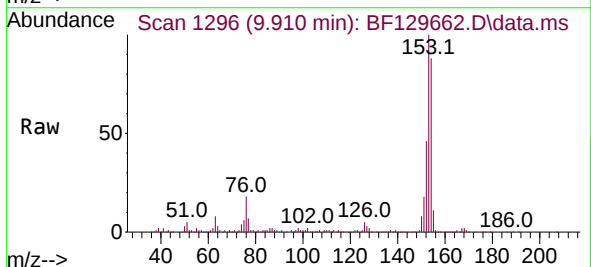
Tgt Ion:154 Resp: 71742

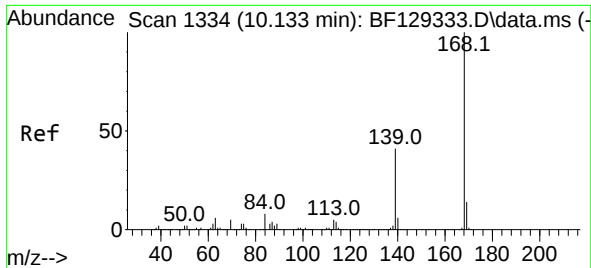
Ion Ratio Lower Upper

154 100

153 113.7 89.6 134.4

152 52.3 42.4 63.6

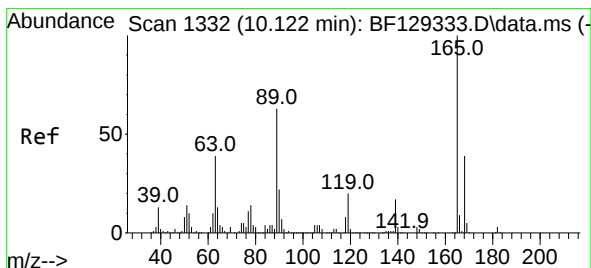
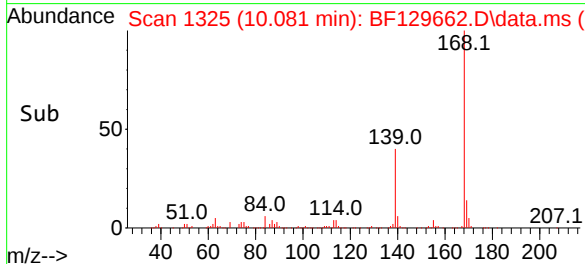
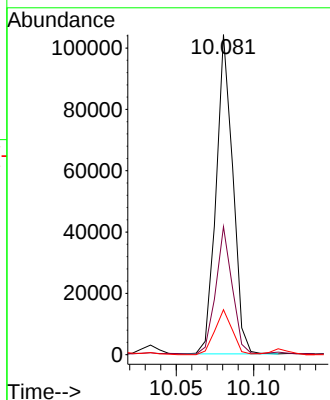
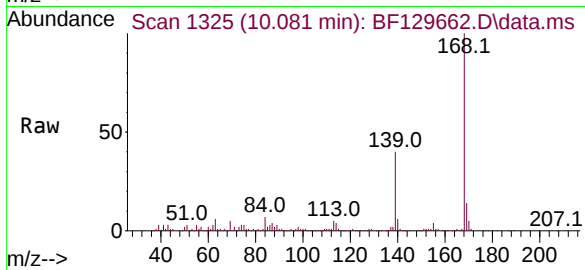




#55
Dibenzenofuran
Concen: 3.195 ng
RT: 10.081 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

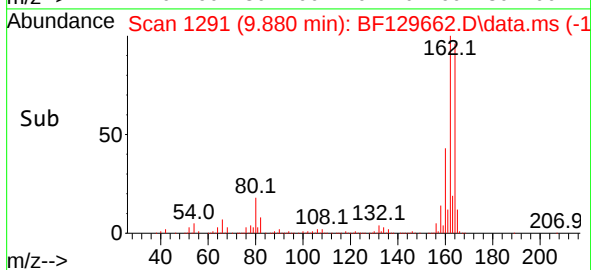
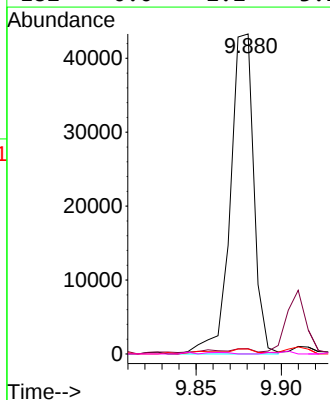
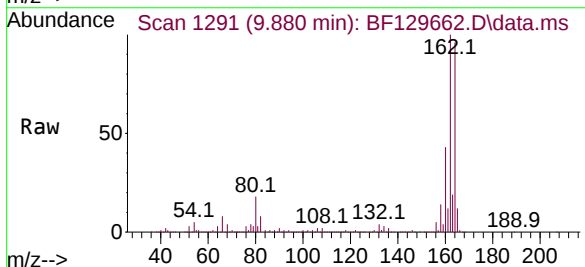
Instrument :
BNA_F
ClientSampleId :
TP2-1-6

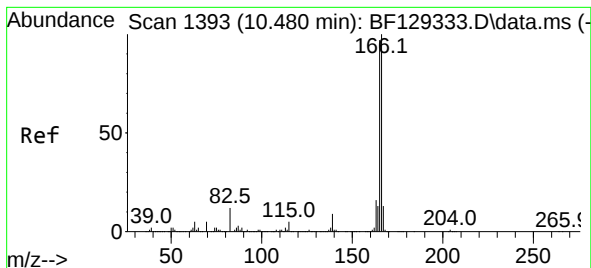
Tgt Ion:168 Resp: 77972
Ion Ratio Lower Upper
168 100
139 40.0 30.6 46.0
169 14.0 11.0 16.6



#57
2,4-Dinitrotoluene
Concen: 6.781 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.206 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

Tgt Ion:165 Resp: 41388
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 4.456 ng

RT: 10.428 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF129662.D

Acq: 09 Aug 2022 12:31

Instrument :

BNA_F

ClientSampleId :

TP2-1-6

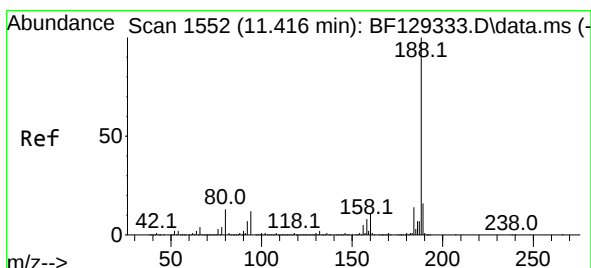
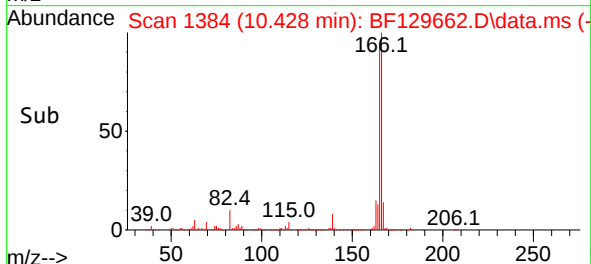
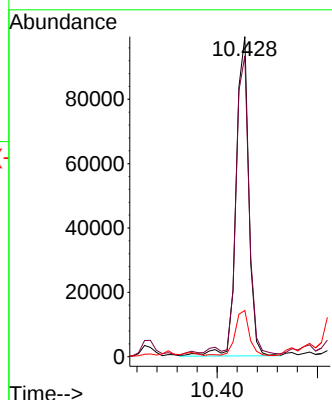
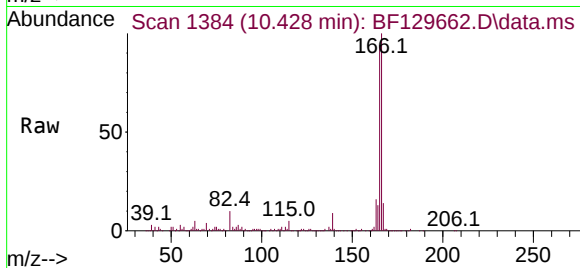
Tgt Ion:166 Resp: 87015

Ion Ratio Lower Upper

166 100

165 94.0 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: BF129662.D

Acq: 09 Aug 2022 12:31

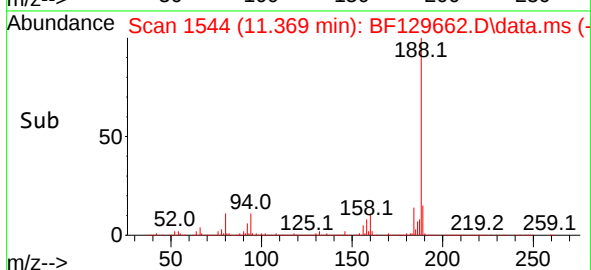
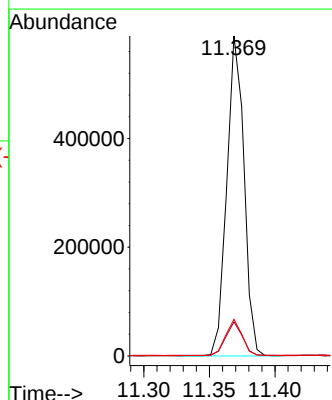
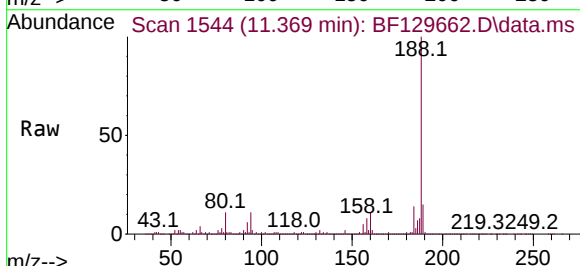
Tgt Ion:188 Resp: 537037

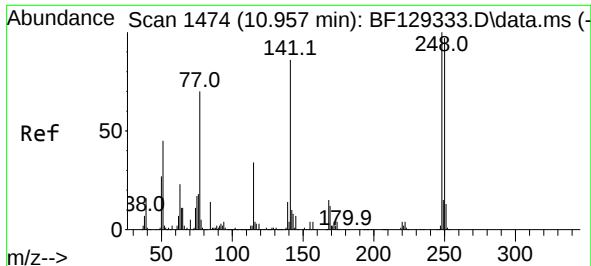
Ion Ratio Lower Upper

188 100

94 10.6 7.0 10.6#

80 11.5 7.6 11.4#

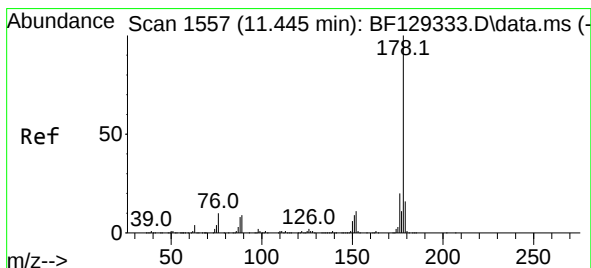
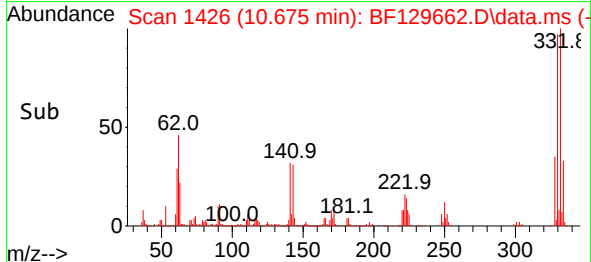
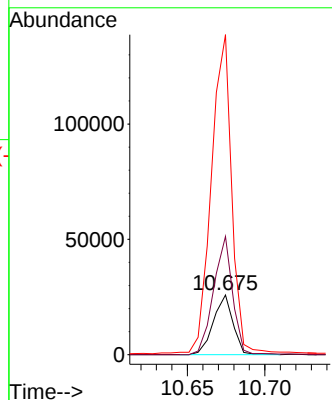
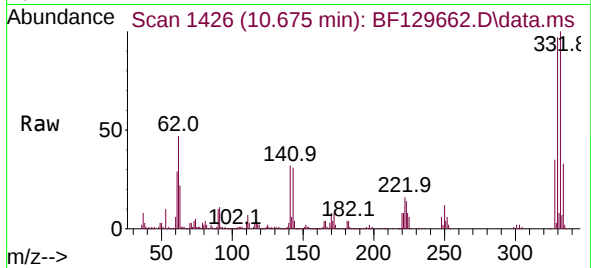




#67
4-Bromophenyl-phenylether
Concen: 3.891 ng
RT: 10.675 min Scan# 1474
Delta R.T. -0.247 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

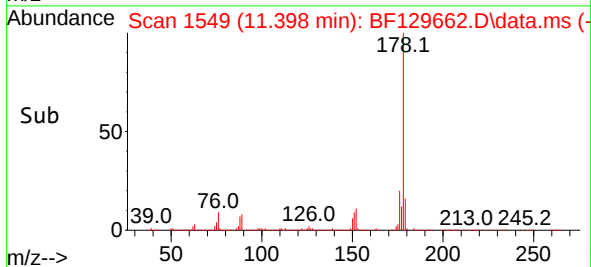
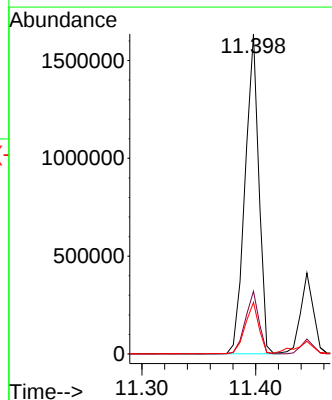
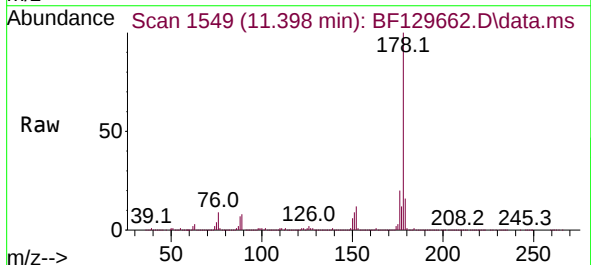
Instrument :
BNA_F
ClientSampleId :
TP2-1-6

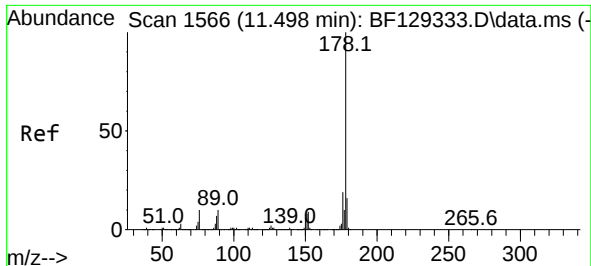
Tgt Ion:248 Resp: 22880
Ion Ratio Lower Upper
248 100
250 197.9 80.6 120.8#
141 535.6 58.9 88.3#



#71
Phenanthrene
Concen: 47.108 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

Tgt Ion:178 Resp: 1380997
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.1 12.6 19.0

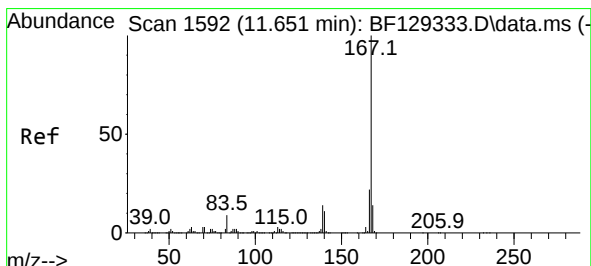
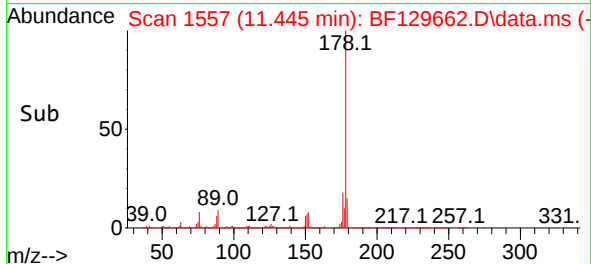
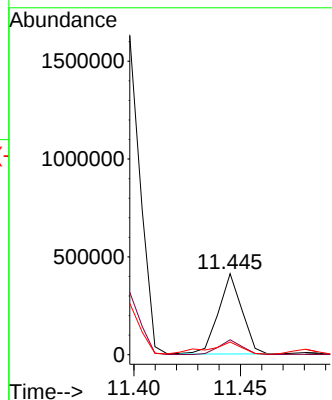
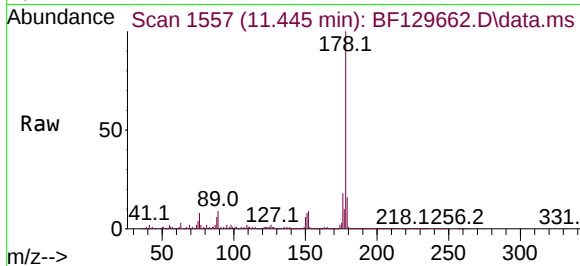




#72
 Anthracene
 Concen: 10.926 ng
 RT: 11.445 min Scan# 1557
 Delta R.T. -0.018 min
 Lab File: BF129662.D
 Acq: 09 Aug 2022 12:31

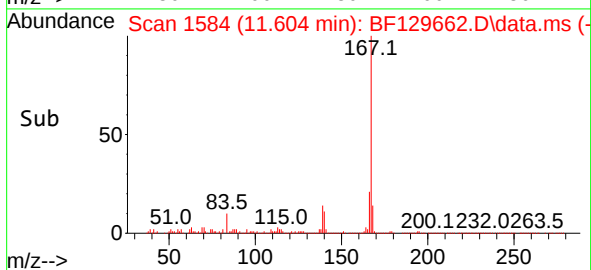
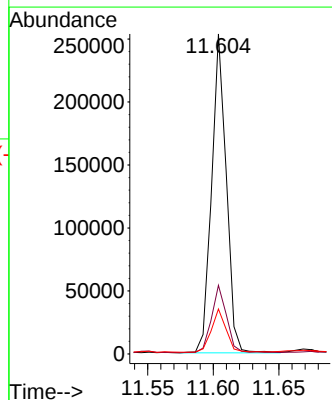
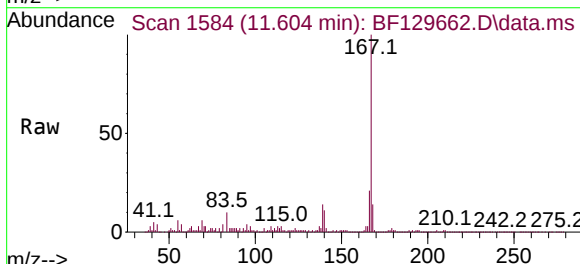
Instrument :
 BNA_F
 ClientSampleId :
 TP2-1-6

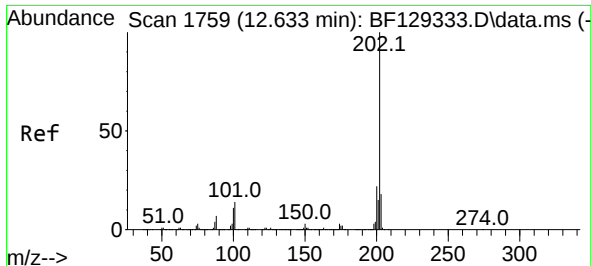
Tgt Ion:178 Resp: 314753
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 15.7 12.6 19.0



#73
 Carbazole
 Concen: 7.266 ng
 RT: 11.604 min Scan# 1584
 Delta R.T. -0.012 min
 Lab File: BF129662.D
 Acq: 09 Aug 2022 12:31

Tgt Ion:167 Resp: 197058
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.7 26.5
 139 14.0 11.2 16.8

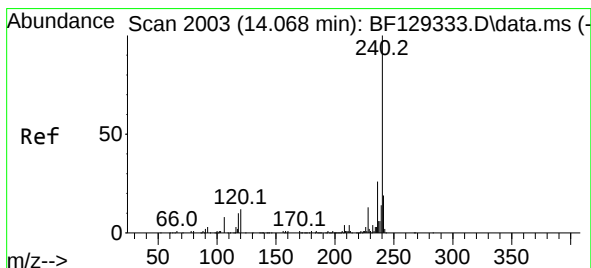
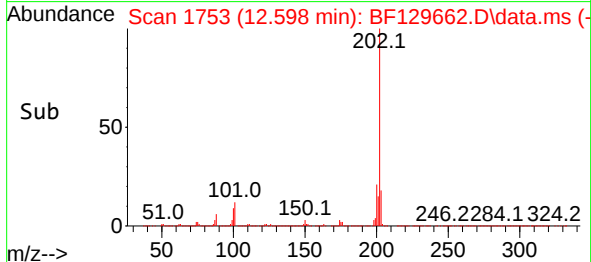
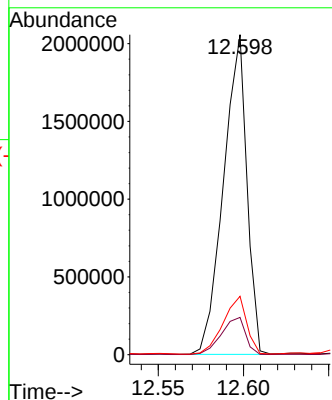
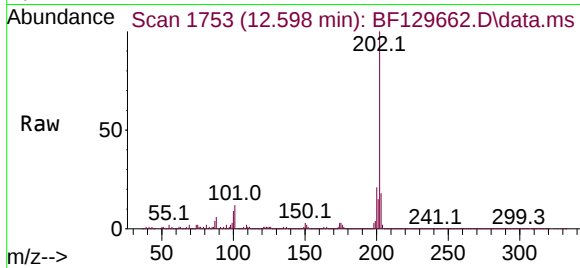




#75
Fluoranthene
Concen: 66.016 ng
RT: 12.598 min Scan# 1753
Delta R.T. -0.000 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

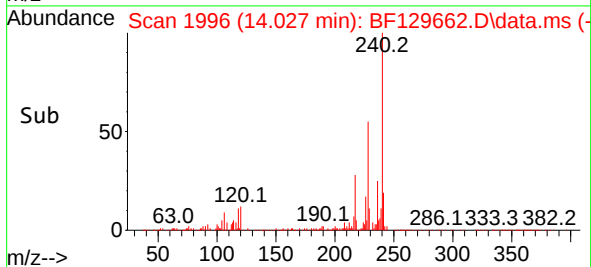
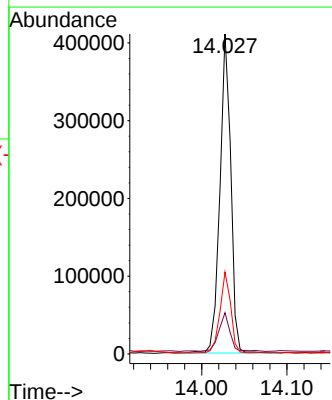
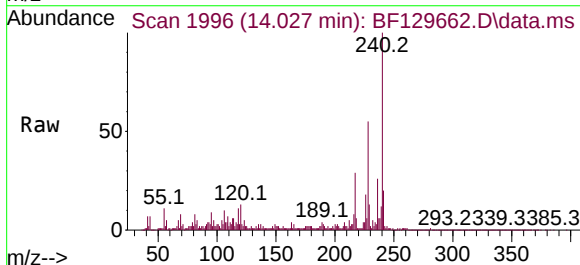
Instrument :
BNA_F
ClientSampleId :
TP2-1-6

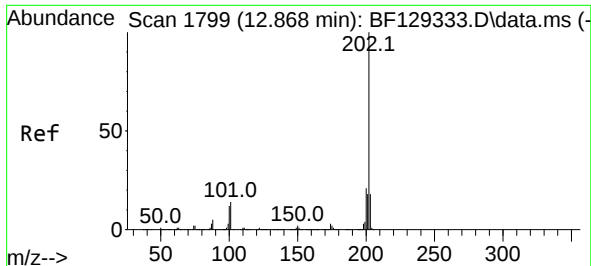
Tgt Ion:202 Resp: 1960882
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 18.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

Tgt Ion:240 Resp: 363148
Ion Ratio Lower Upper
240 100
120 12.9 8.9 13.3
236 25.6 20.8 31.2

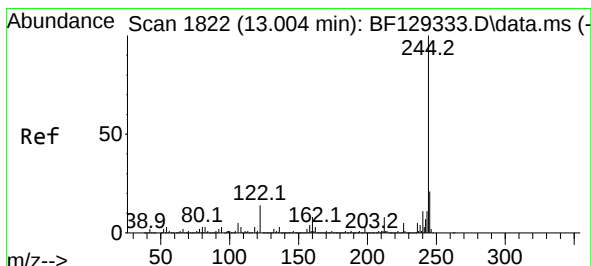
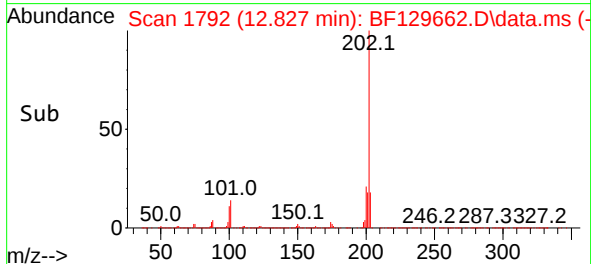
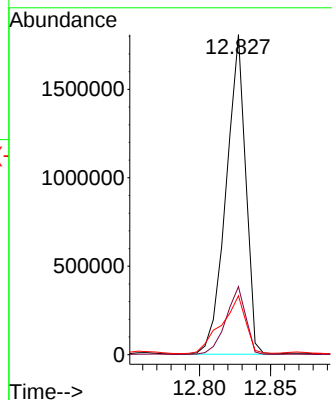
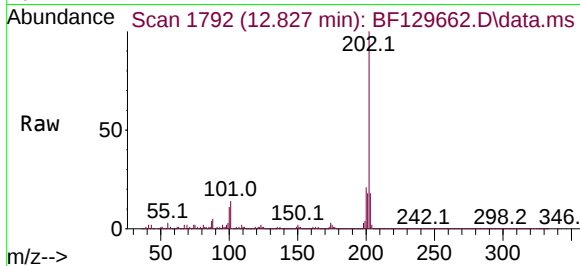




#78
Pyrene
Concen: 56.772 ng
RT: 12.827 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

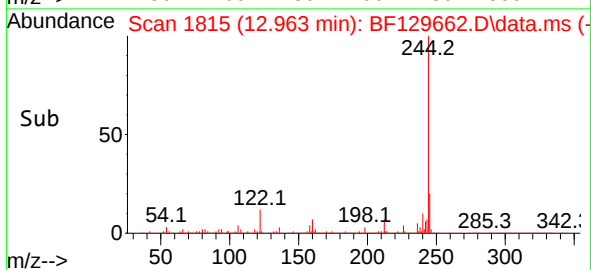
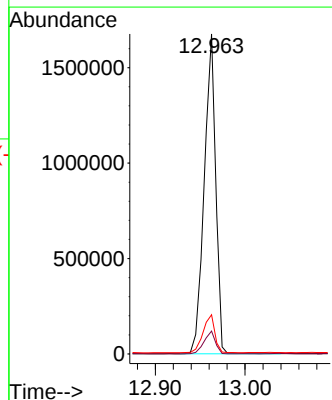
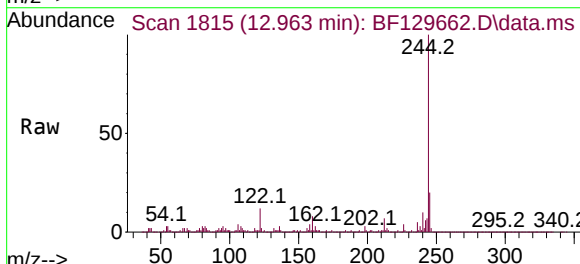
Instrument :
BNA_F
ClientSampleId :
TP2-1-6

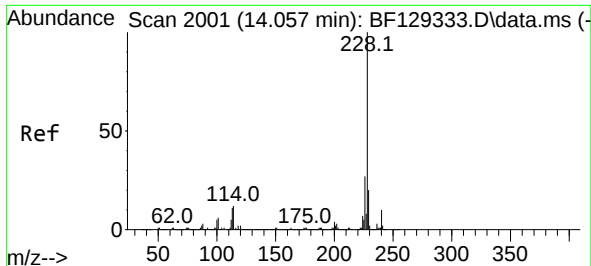
Tgt Ion:202 Resp: 1724032
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 18.4 14.6 21.8



#79
Terphenyl-d14
Concen: 77.339 ng
RT: 12.963 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

Tgt Ion:244 Resp: 1488693
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 12.3 8.8 13.2

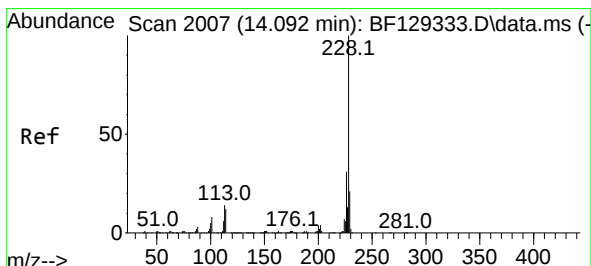
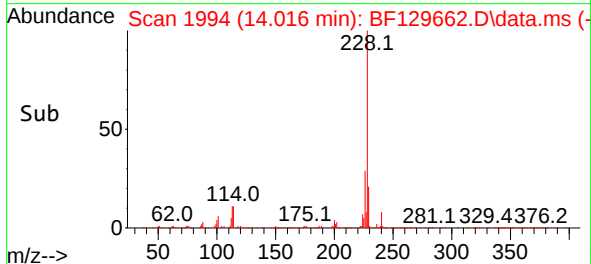
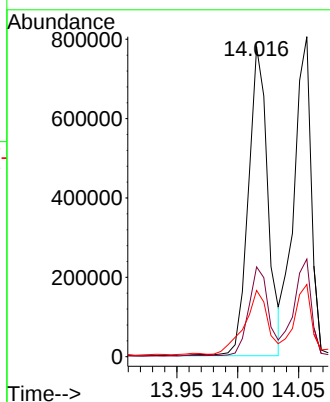
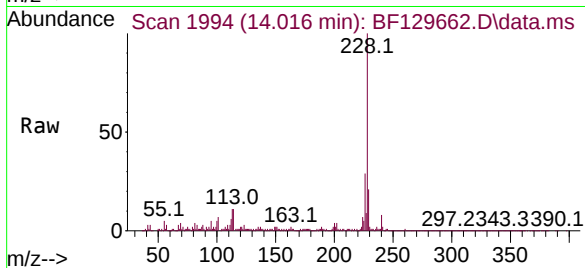




#81
Benzo(a)anthracene
Concen: 34.978 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

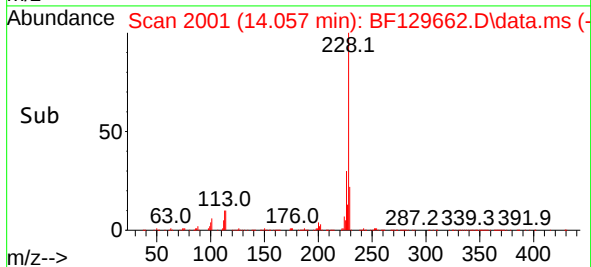
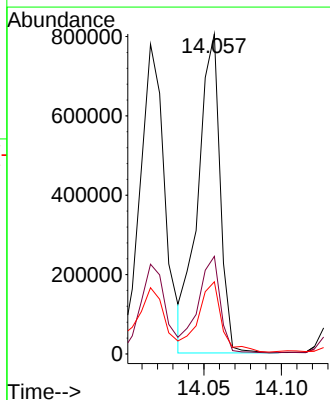
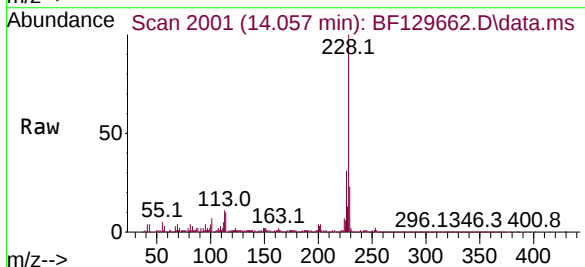
Instrument :
BNA_F
ClientSampleId :
TP2-1-6

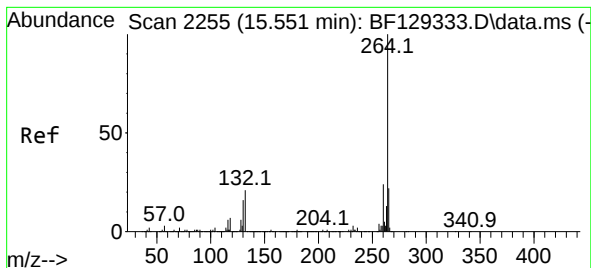
Tgt Ion:228 Resp: 867692
Ion Ratio Lower Upper
228 100
226 29.0 22.1 33.1
229 21.4 15.8 23.8



#83
Chrysene
Concen: 34.224 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BF129662.D
Acq: 09 Aug 2022 12:31

Tgt Ion:228 Resp: 800139
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.6 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: BF129662.D

Acq: 09 Aug 2022 12:31

Instrument :

BNA_F

ClientSampleId :

TP2-1-6

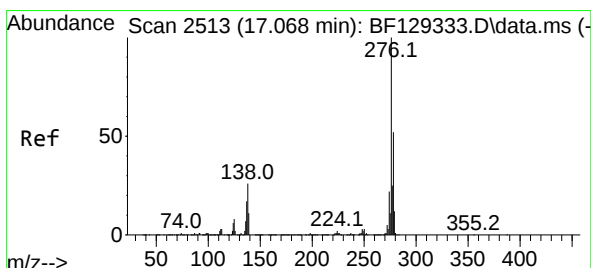
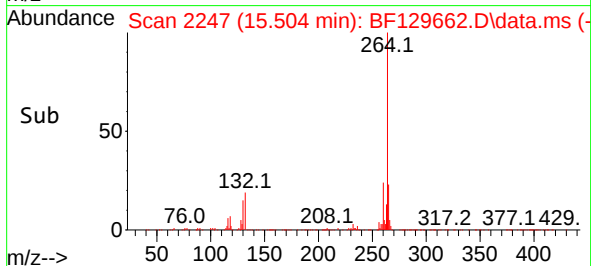
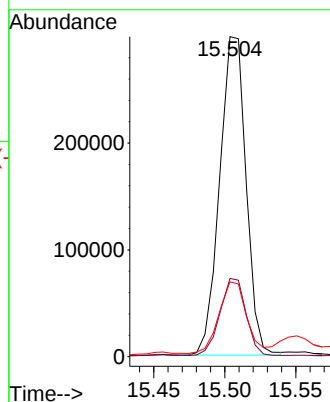
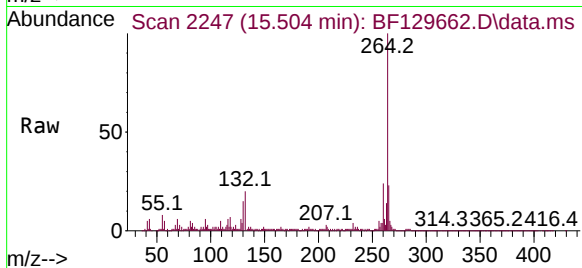
Tgt Ion:264 Resp: 386276

Ion Ratio Lower Upper

264 100

260 24.5 18.4 27.6

265 23.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 18.612 ng

RT: 16.998 min Scan# 2501

Delta R.T. -0.000 min

Lab File: BF129662.D

Acq: 09 Aug 2022 12:31

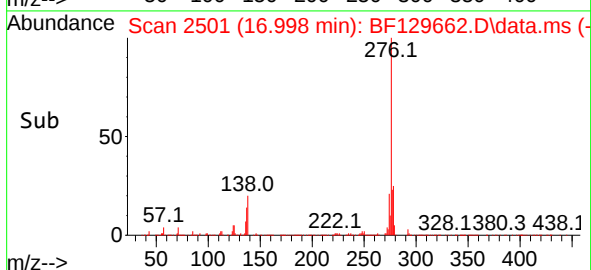
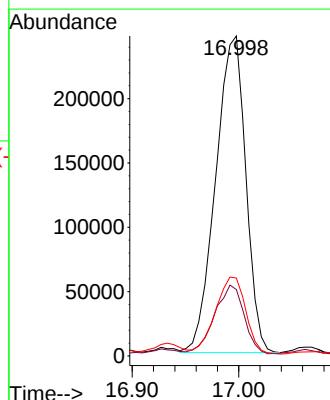
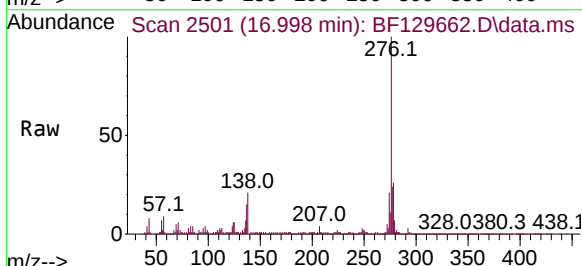
Tgt Ion:276 Resp: 484144

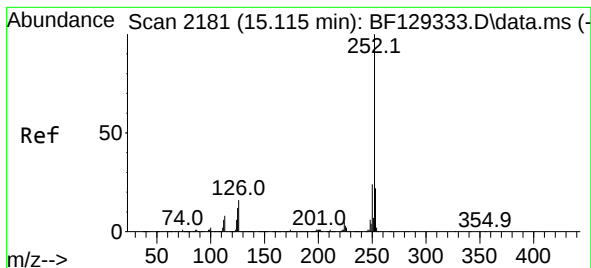
Ion Ratio Lower Upper

276 100

138 21.1 21.1 31.7#

277 24.5 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 55.937 ng

RT: 15.074 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129662.D

Acq: 09 Aug 2022 12:31

Instrument :

BNA_F

ClientSampleId :

TP2-1-6

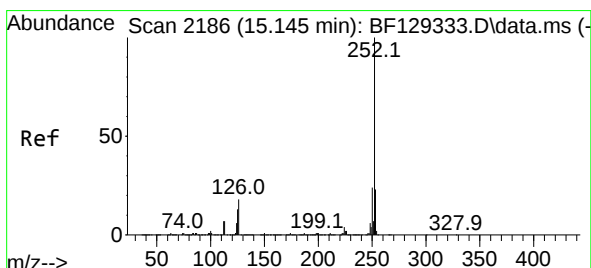
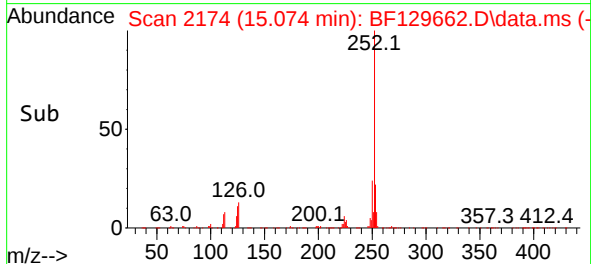
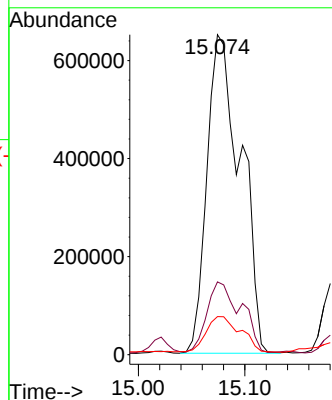
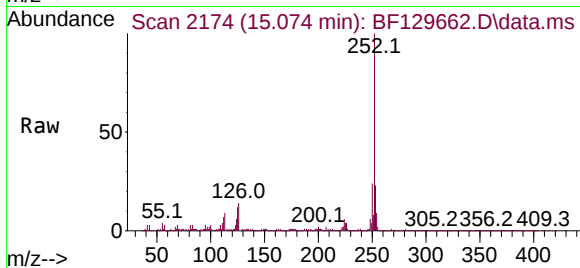
Tgt Ion:252 Resp: 1433275

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 11.9 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 57.081 ng

RT: 15.074 min Scan# 2174

Delta R.T. -0.029 min

Lab File: BF129662.D

Acq: 09 Aug 2022 12:31

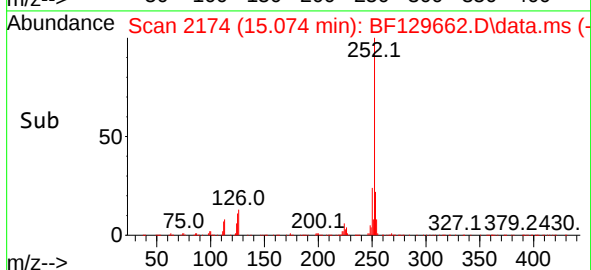
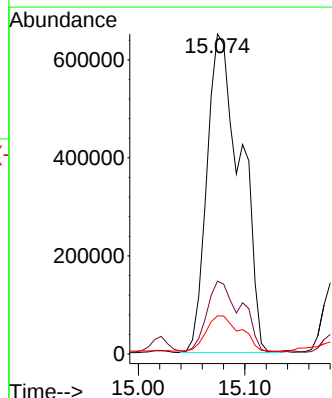
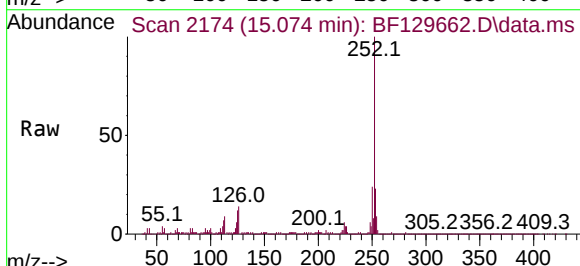
Tgt Ion:252 Resp: 1433275

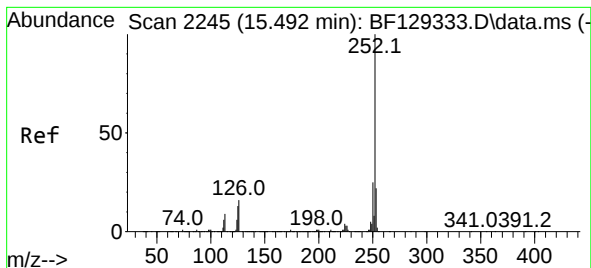
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 11.9 8.3 12.5





#90

Benzo(a)pyrene

Concen: 37.203 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129662.D

Acq: 09 Aug 2022 12:31

Instrument :

BNA_F

ClientSampleId :

TP2-1-6

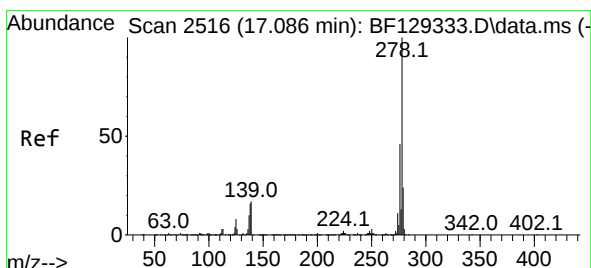
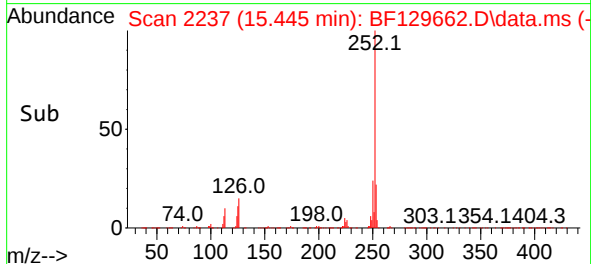
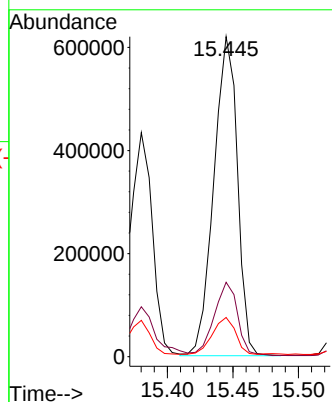
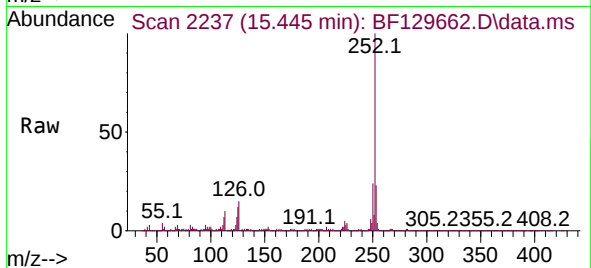
Tgt Ion:252 Resp: 773832

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 12.3 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 4.615 ng

RT: 17.162 min Scan# 2529

Delta R.T. 0.153 min

Lab File: BF129662.D

Acq: 09 Aug 2022 12:31

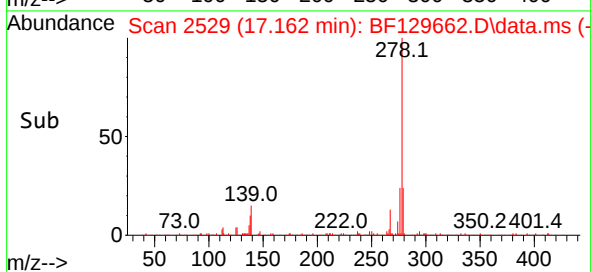
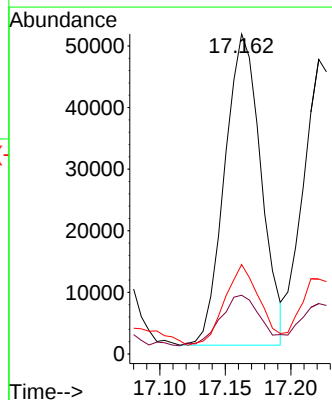
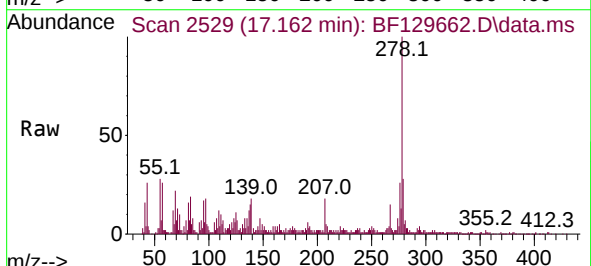
Tgt Ion:278 Resp: 97712

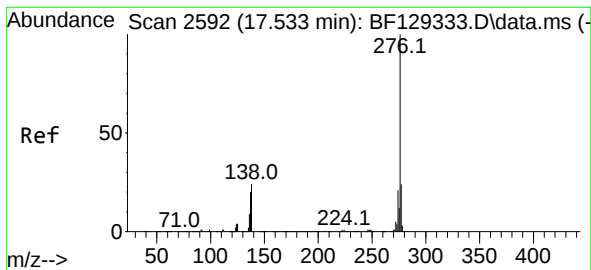
Ion Ratio Lower Upper

278 100

139 18.3 12.8 19.2

279 27.9 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 20.005 ng

RT: 17.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129662.D

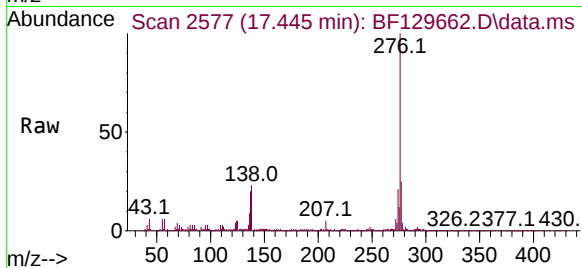
Acq: 09 Aug 2022 12:31

Instrument :

BNA_F

ClientSampleId :

TP2-1-6



Tgt Ion:276 Resp: 432786

Ion Ratio Lower Upper

276 100

277 24.7 19.1 28.7

138 22.5 18.0 27.0

