

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
 Data File : BF129106.D
 Acq On : 01 Jul 2022 22:29
 Operator : CG\JU
 Sample : N3562-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10A

Quant Time: Jul 02 01:27:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

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

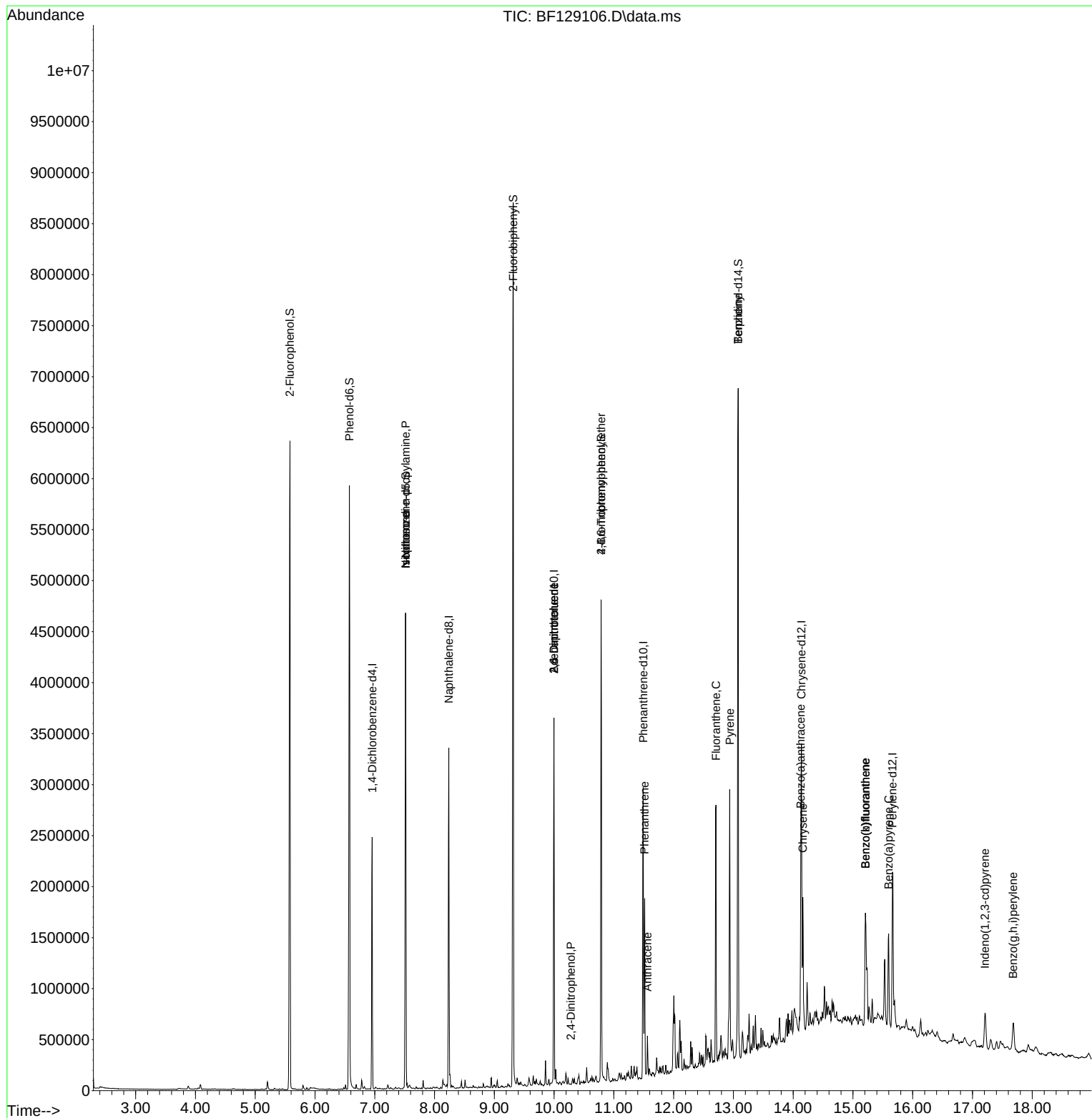
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	364513	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	1371595	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	691273	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	1092653	20.000	ng	0.00
76) Chrysene-d12	14.139	240	733226	20.000	ng	-0.01
86) Perylene-d12	15.662	264	727263	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1860302	86.282	ng	0.00
7) Phenol-d6	6.575	99	2325806	86.856	ng	-0.01
23) Nitrobenzene-d5	7.516	82	1440659	62.650	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	581847	77.409	ng	-0.01
45) 2-Fluorobiphenyl	9.316	172	2706586	62.637	ng	0.00
79) Terphenyl-d14	13.080	244	2303312	65.234	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	2234	Below Cal	#	51
19) n-Nitroso-di-n-propyla...	7.516	70	189551	12.237	ng	# 71
25) Isophorone	7.516	82	1412798	36.353	ng	# 65
51) 2,6-Dinitrotoluene	9.998	165	90478	10.238	ng	# 25
54) 2,4-Dinitrophenol	10.280	184	133	6.892	ng	# 90
57) 2,4-Dinitrotoluene	9.998	165	90491	8.295	ng	# 21
67) 4-Bromophenyl-phenylether	10.786	248	35903	3.089	ng	# 1
71) Phenanthrene	11.516	178	628265	12.034	ng	98
72) Anthracene	11.563	178	134175	2.607	ng	98
75) Fluoranthene	12.710	202	1034461	18.947	ng	99
77) Benzidine	13.080	184	30915	2.368	ng	# 94
78) Pyrene	12.939	202	950192	18.696	ng	98
81) Benzo(a)anthracene	14.127	228	552037	12.331	ng	96
83) Chrysene	14.163	228	489219	11.771	ng	98
87) Indeno(1,2,3-cd)pyrene	17.209	276	254718	5.711	ng	95
88) Benzo(b)fluoranthene	15.210	252	870958	19.913	ng	# 96
89) Benzo(k)fluoranthene	15.210	252	870958	20.531	ng	97
90) Benzo(a)pyrene	15.598	252	448556	12.580	ng	96
92) Benzo(g,h,i)perylene	17.680	276	225889	6.192	ng	99

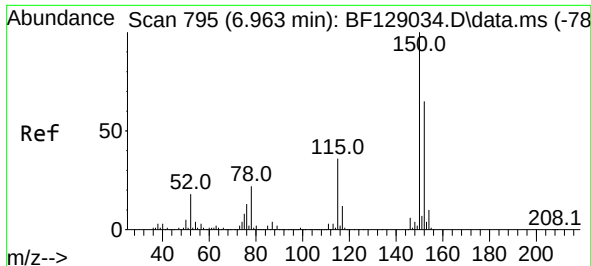
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 01:27:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 29 17:05:31 2022
Response via : Initial Calibration

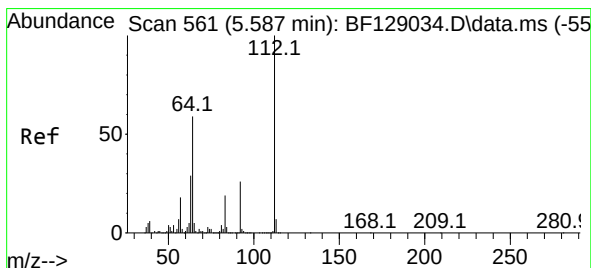
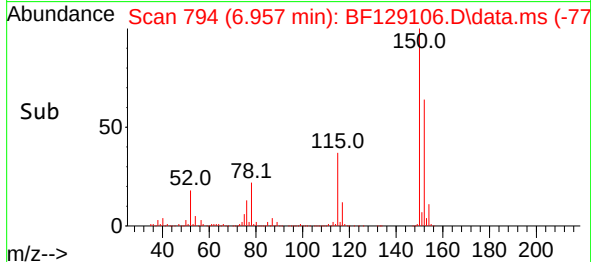
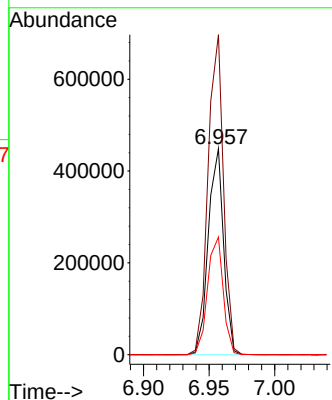
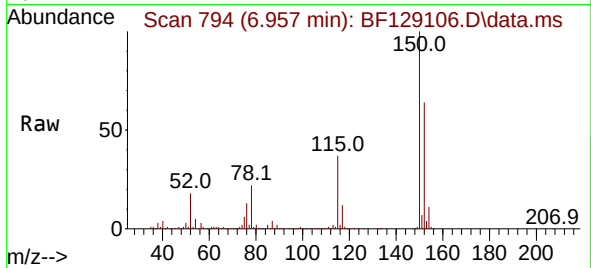




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

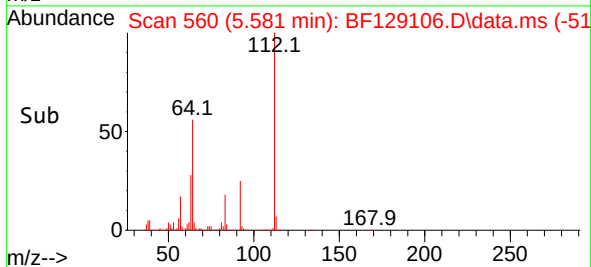
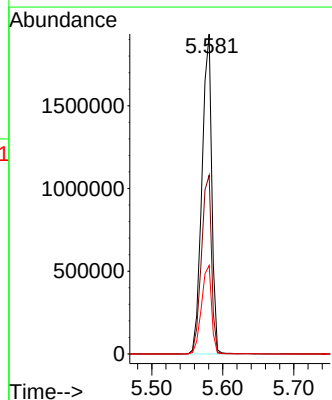
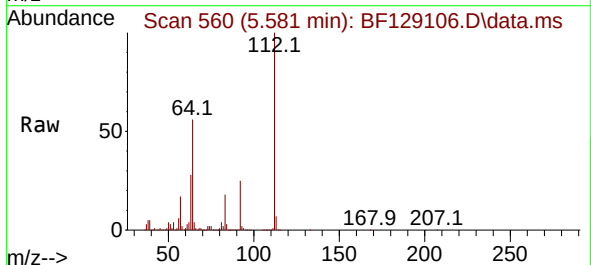
Instrument :
BNA_F
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SB-10A

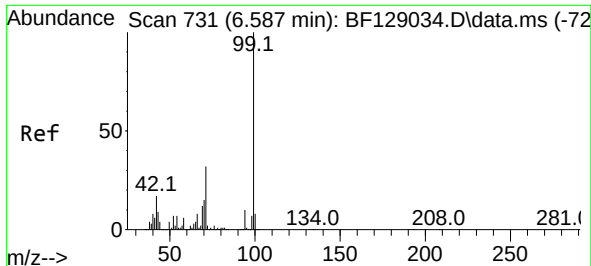
Tgt Ion:152 Resp: 364513
Ion Ratio Lower Upper
152 100
150 155.2 123.7 185.5
115 57.0 49.9 74.9



#5
2-Fluorophenol
Concen: 86.282 ng
RT: 5.581 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

Tgt Ion:112 Resp: 1860302
Ion Ratio Lower Upper
112 100
64 55.9 53.3 79.9
63 27.6 28.0 42.0#

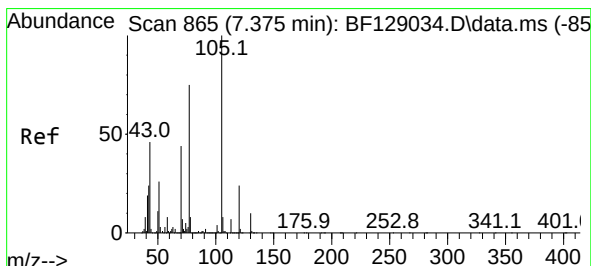
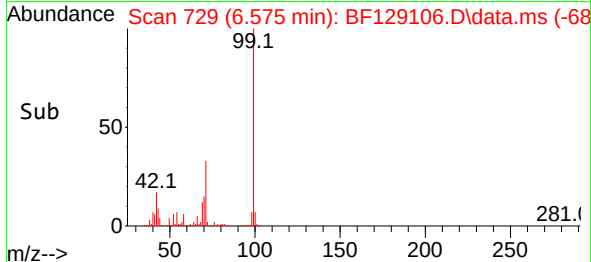
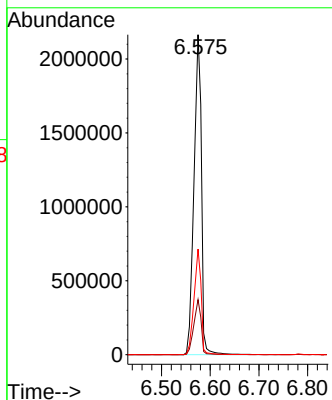
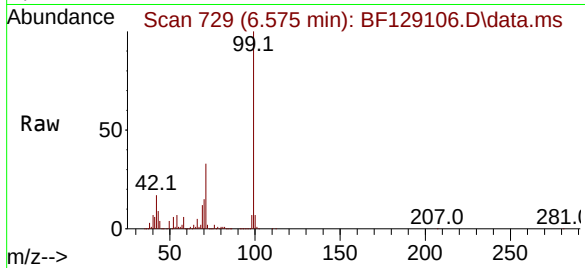




#7
Phenol-d6
Concen: 86.856 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

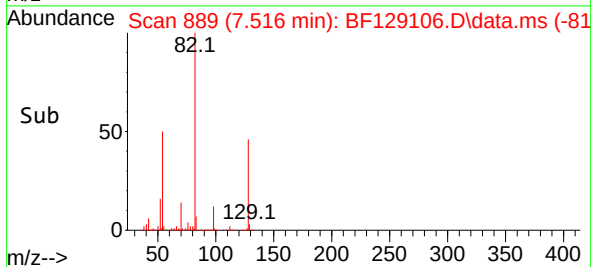
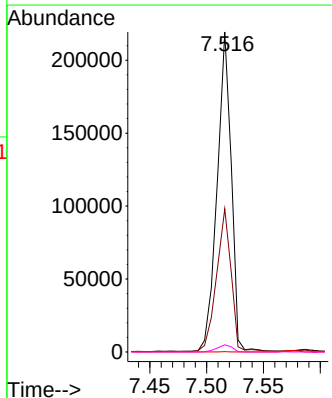
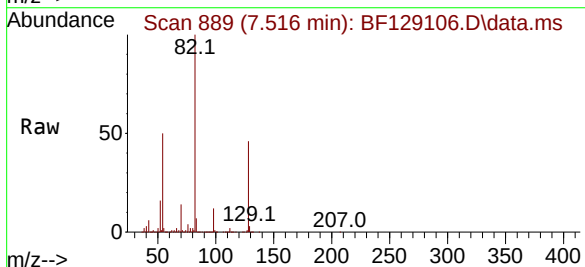
Instrument :
BNA_F
ClientSampleId :
SB-10A

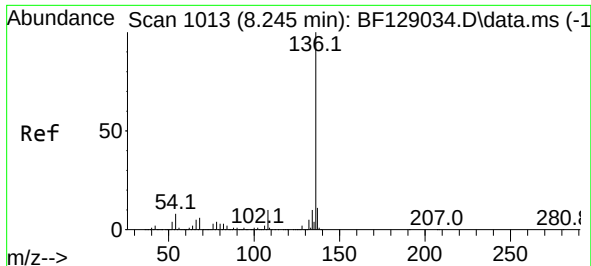
Tgt Ion: 99 Resp: 2325806
Ion Ratio Lower Upper
99 100
42 17.2 17.3 25.9#
71 33.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.237 ng
RT: 7.516 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

Tgt Ion: 70 Resp: 189551
Ion Ratio Lower Upper
70 100
42 44.7 52.3 78.5#
101 0.1 7.5 11.3#
130 2.2 16.1 24.1#

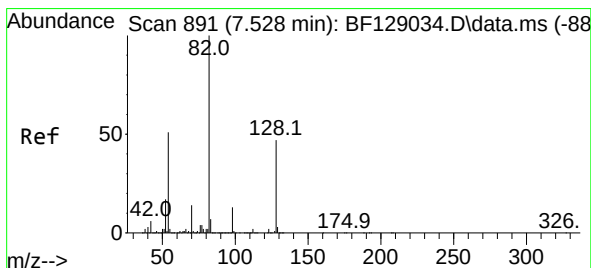
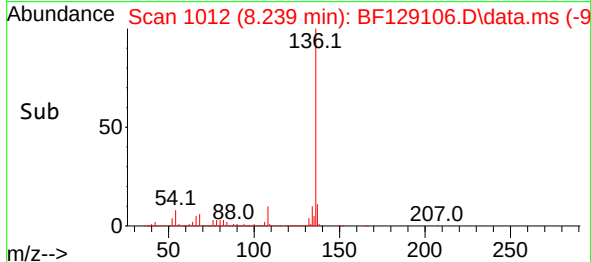
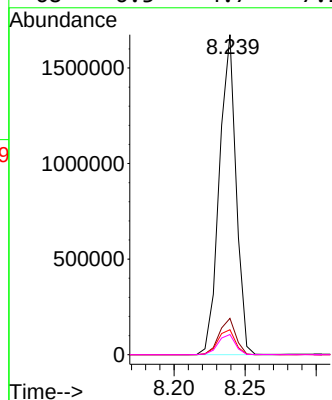
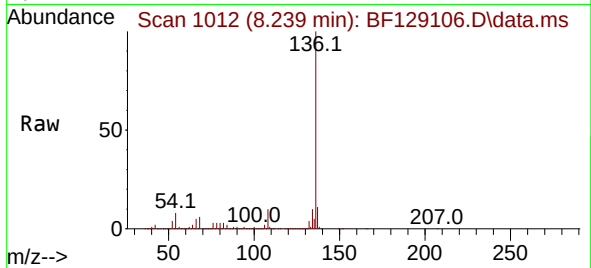




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

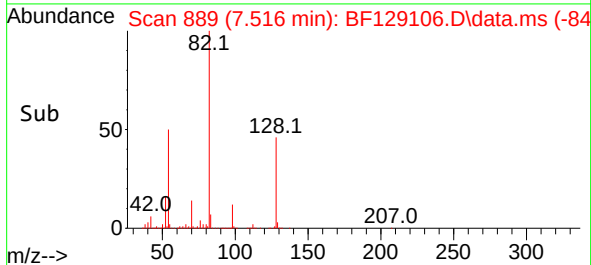
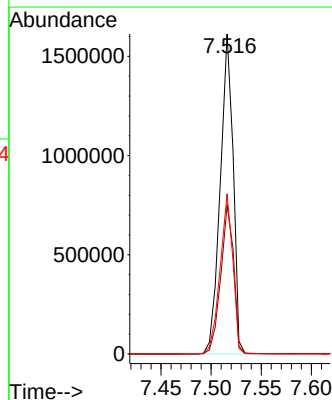
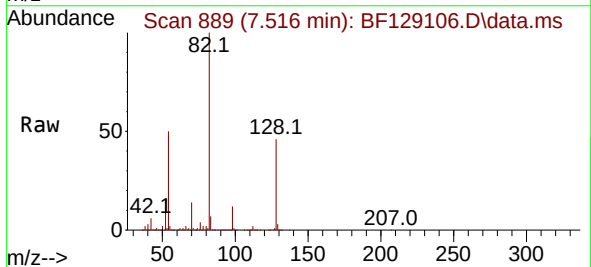
Instrument :
BNA_F
ClientSampleId :
SB-10A

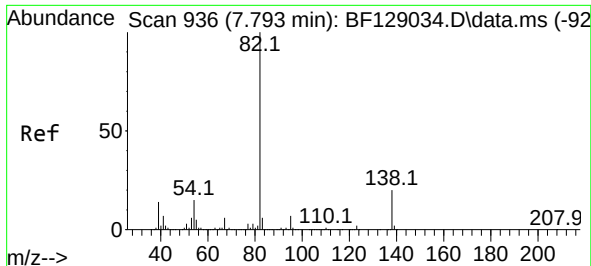
Tgt Ion:136 Resp: 1371595
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.8 7.5 11.3
68 6.3 4.7 7.1



#23
Nitrobenzene-d5
Concen: 62.650 ng
RT: 7.516 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

Tgt Ion: 82 Resp: 1440659
Ion Ratio Lower Upper
82 100
128 46.4 34.0 51.0
54 50.0 46.9 70.3

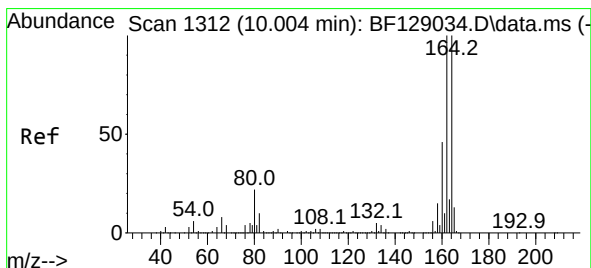
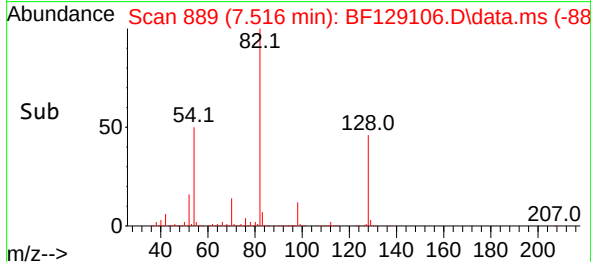
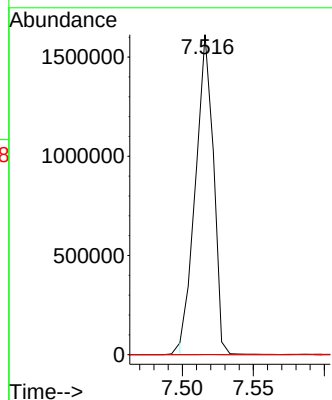
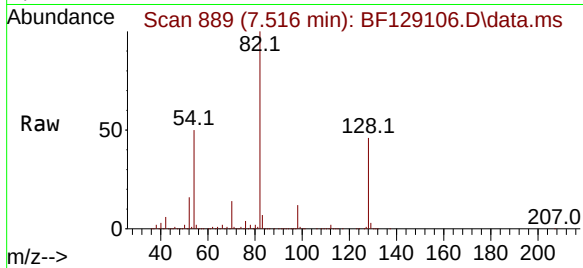




#25
Isophorone
Concen: 36.353 ng
RT: 7.516 min Scan# 889
Delta R.T. -0.277 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

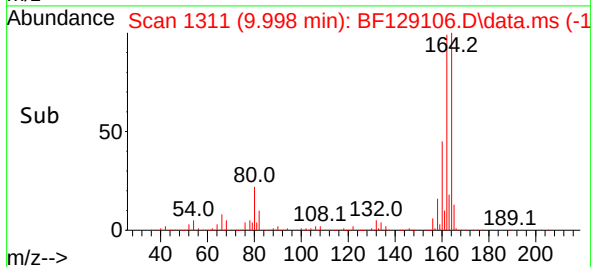
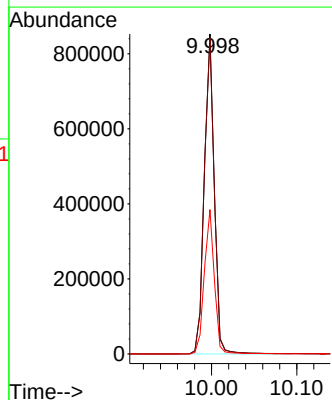
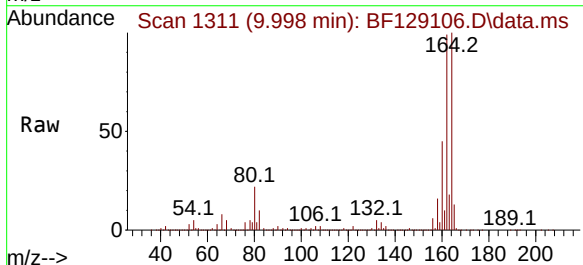
Instrument :
BNA_F
ClientSampleId :
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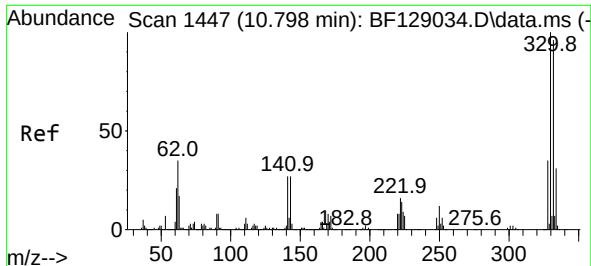
Tgt Ion: 82 Resp: 1412798
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

Tgt Ion:164 Resp: 691273
Ion Ratio Lower Upper
164 100
162 98.8 79.5 119.3
160 45.1 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 77.409 ng

RT: 10.786 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

Instrument :

BNA_F

ClientSampleId :

SB-10A

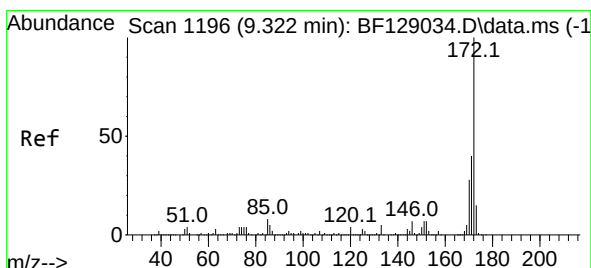
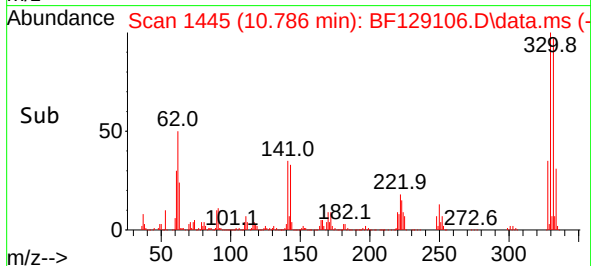
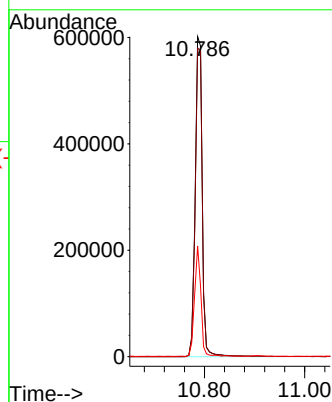
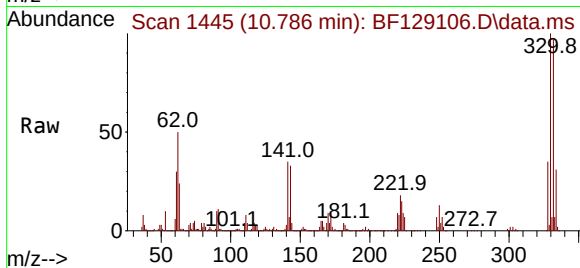
Tgt Ion:330 Resp: 581847

Ion Ratio Lower Upper

330 100

332 96.7 76.8 115.2

141 31.4 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 62.637 ng

RT: 9.316 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

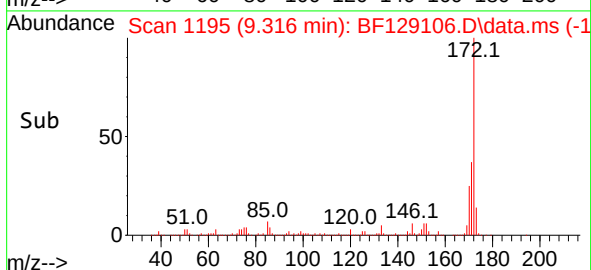
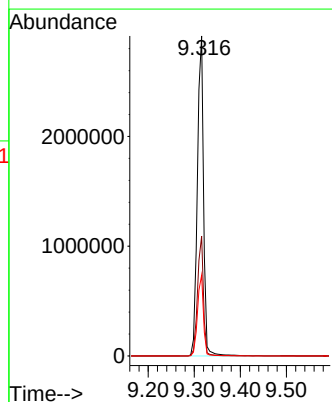
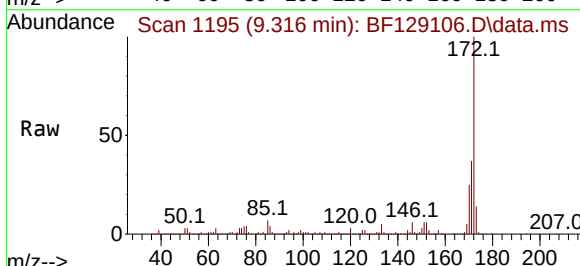
Tgt Ion:172 Resp: 2706586

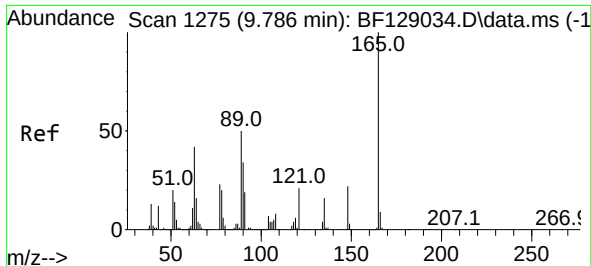
Ion Ratio Lower Upper

172 100

171 37.5 28.8 43.2

170 25.2 19.8 29.8

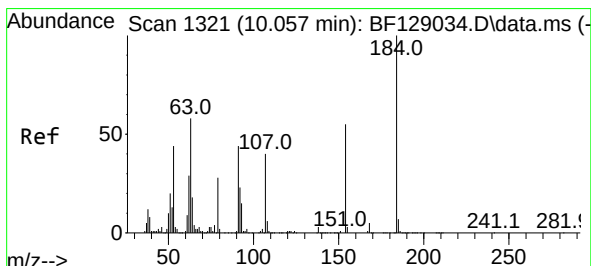
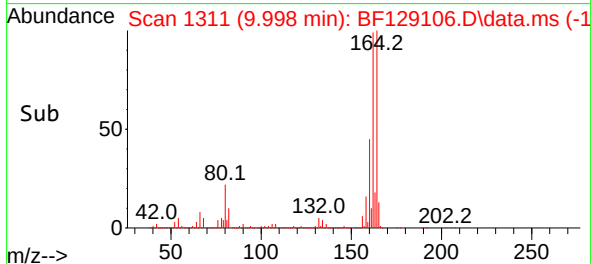
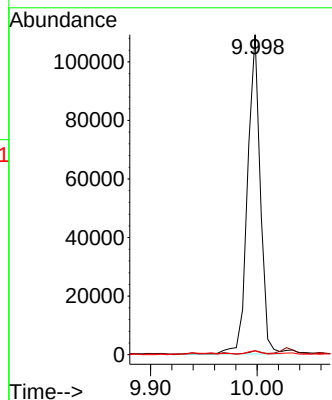
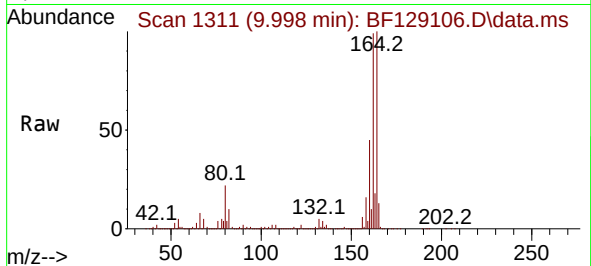




#51
2,6-Dinitrotoluene
Concen: 10.238 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

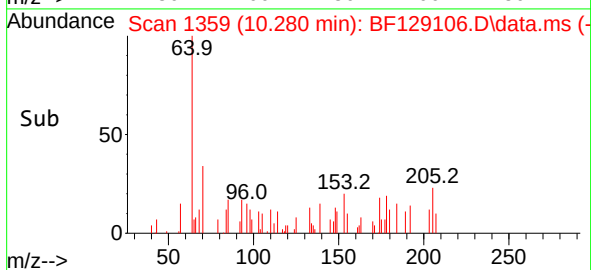
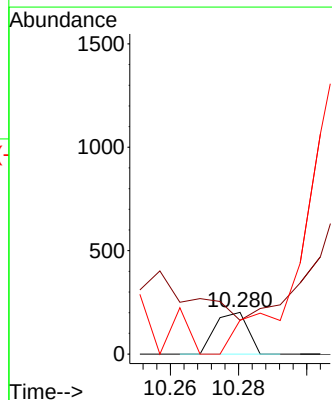
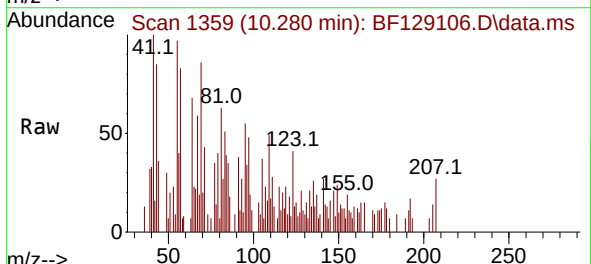
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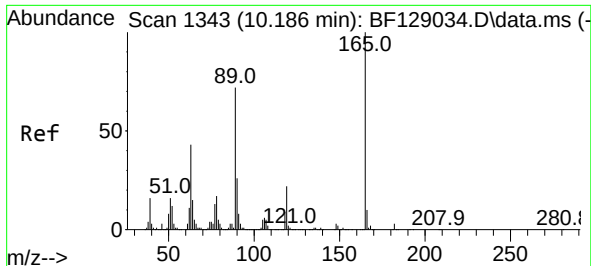
Tgt Ion:165 Resp: 90478
Ion Ratio Lower Upper
165 100
63 1.2 44.9 67.3#
89 1.3 43.6 65.4#



#54
2,4-Dinitrophenol
Concen: 6.892 ng
RT: 10.280 min Scan# 1359
Delta R.T. 0.223 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

Tgt Ion:184 Resp: 133
Ion Ratio Lower Upper
184 100
63 80.7 64.5 96.7
154 81.2 50.6 75.8#

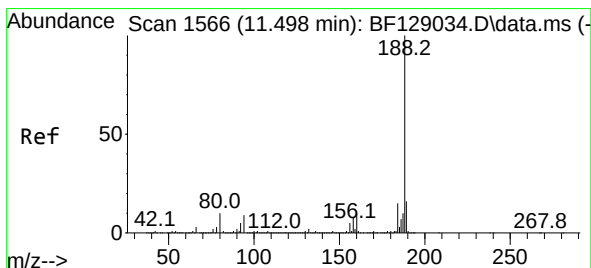
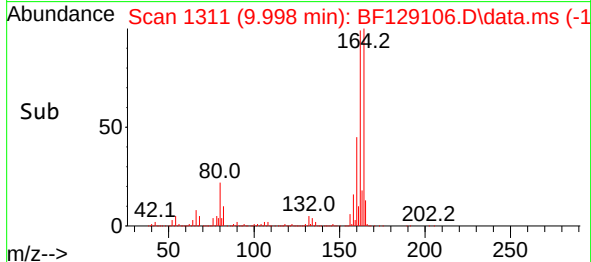
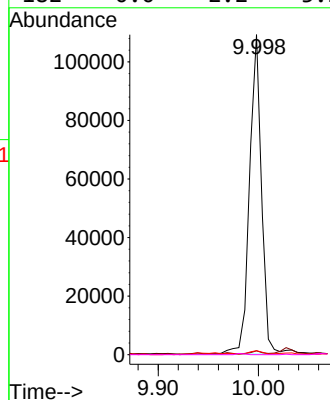
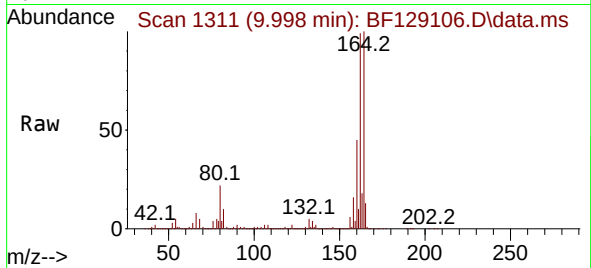




#57
2,4-Dinitrotoluene
Concen: 8.295 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.188 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

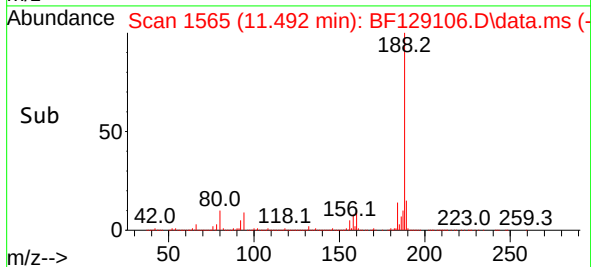
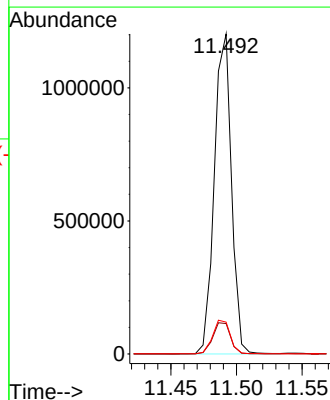
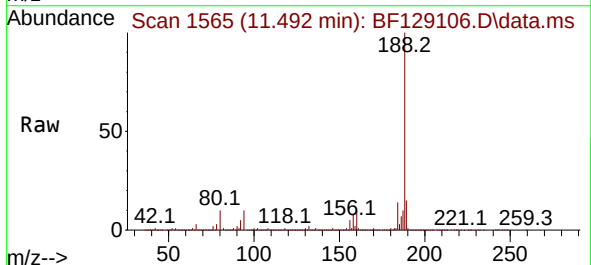
Instrument :
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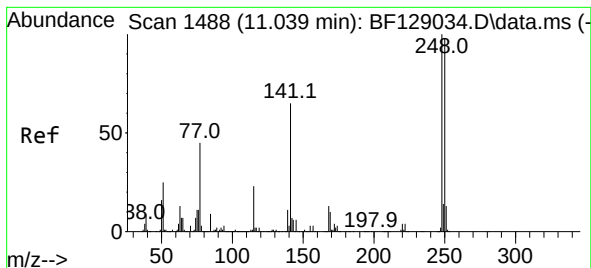
Tgt Ion:165 Resp: 90491
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.3 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

Tgt Ion:188 Resp: 1092653
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 9.9 7.6 11.4

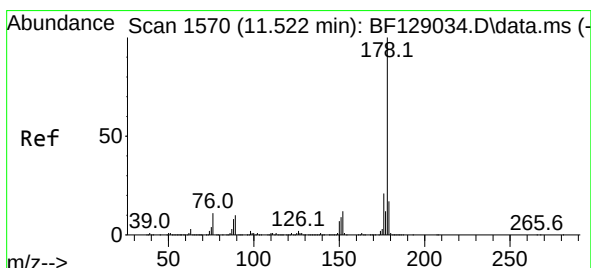
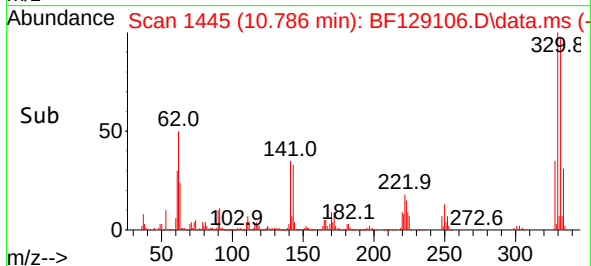
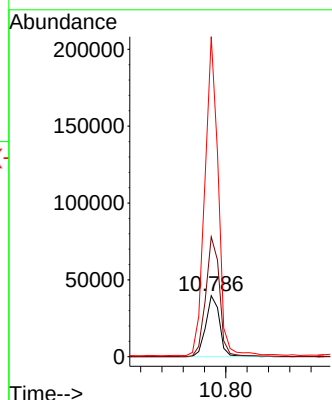
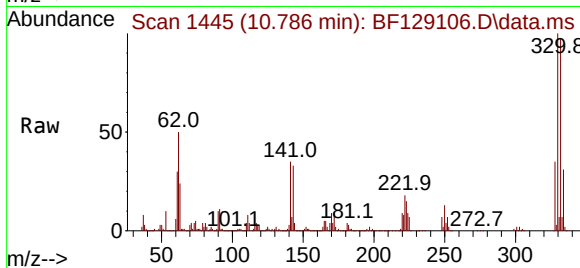




#67
4-Bromophenyl-phenylether
Concen: 3.089 ng
RT: 10.786 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

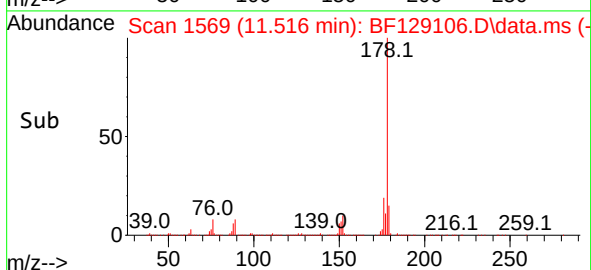
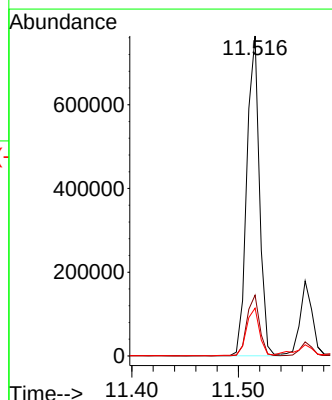
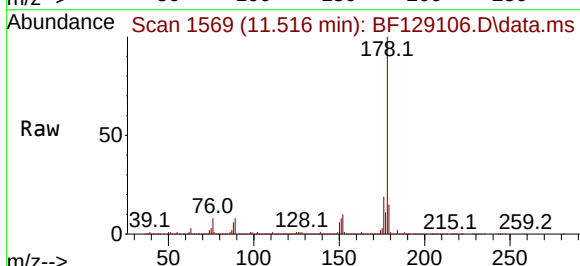
Instrument :
BNA_F
ClientSampleId :
SB-10A

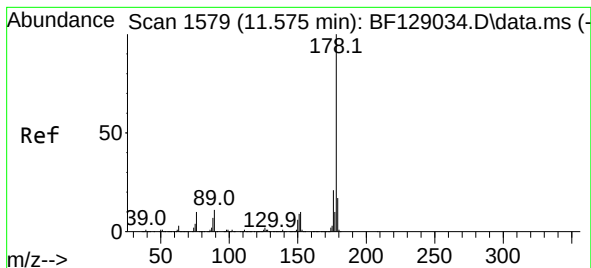
Tgt Ion:248 Resp: 35903
Ion Ratio Lower Upper
248 100
250 196.8 80.6 120.8#
141 525.5 58.9 88.3#



#71
Phenanthrene
Concen: 12.034 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF129106.D
Acq: 01 Jul 2022 22:29

Tgt Ion:178 Resp: 628265
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.0 12.6 19.0





#72

Anthracene

Concen: 2.607 ng

RT: 11.563 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

Instrument :

BNA_F

ClientSampleId :

SB-10A

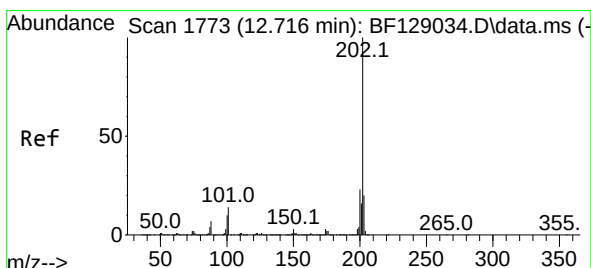
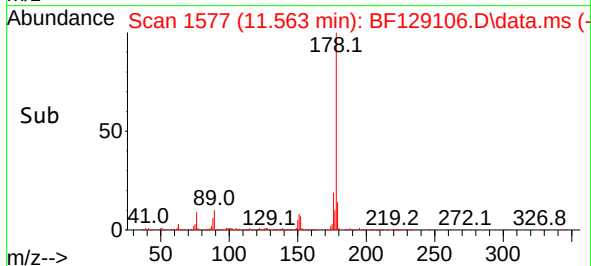
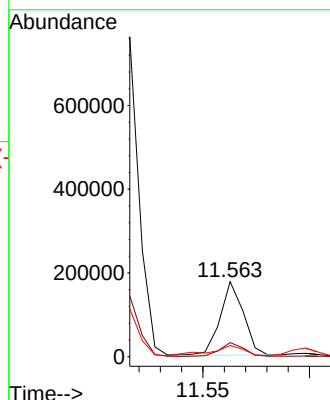
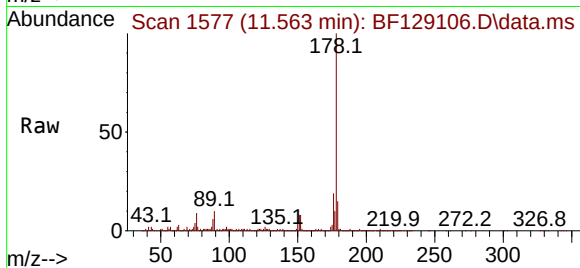
Tgt Ion:178 Resp: 134175

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 14.8 12.6 19.0



#75

Fluoranthene

Concen: 18.947 ng

RT: 12.710 min Scan# 1772

Delta R.T. -0.006 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

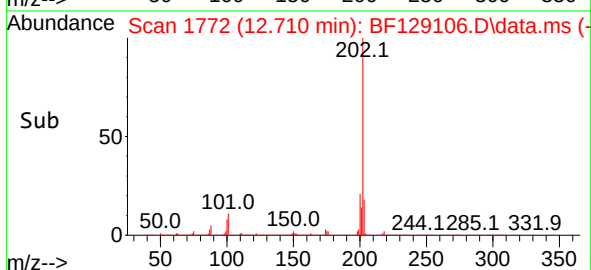
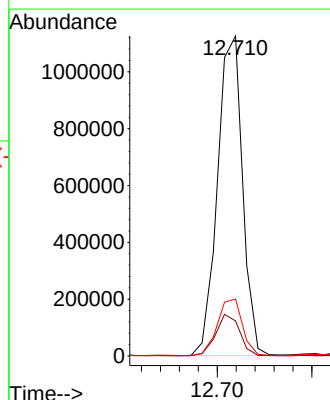
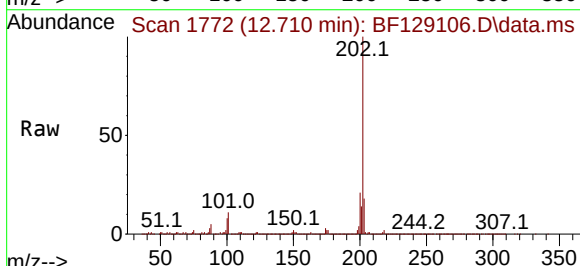
Tgt Ion:202 Resp: 1034461

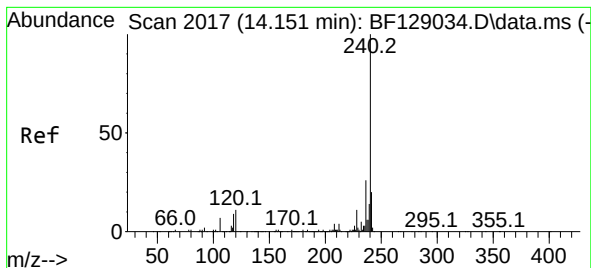
Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

203 17.8 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.139 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

Instrument :

BNA_F

ClientSampleId :

SB-10A

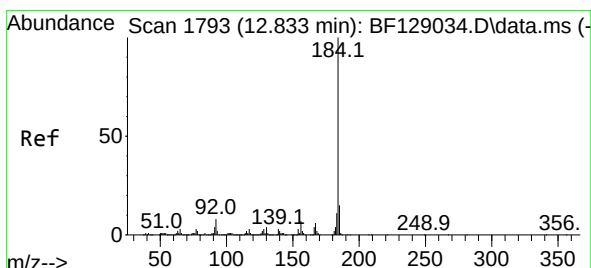
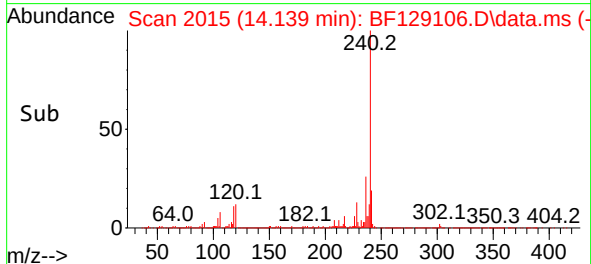
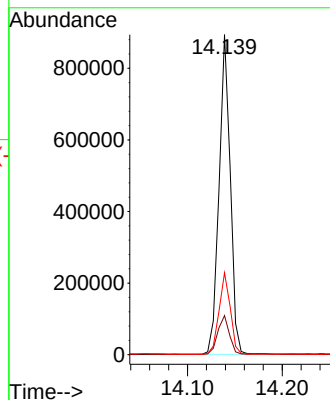
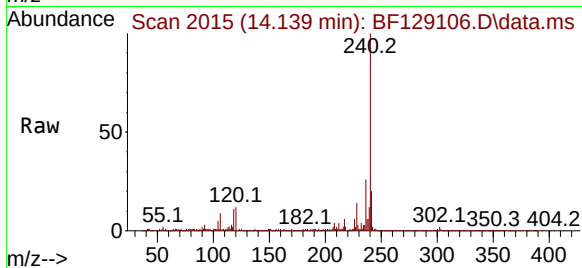
Tgt Ion:240 Resp: 733226

Ion Ratio Lower Upper

240 100

120 12.2 8.9 13.3

236 25.6 20.8 31.2



#77

Benzidine

Concen: 2.368 ng

RT: 13.080 min Scan# 1835

Delta R.T. 0.247 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

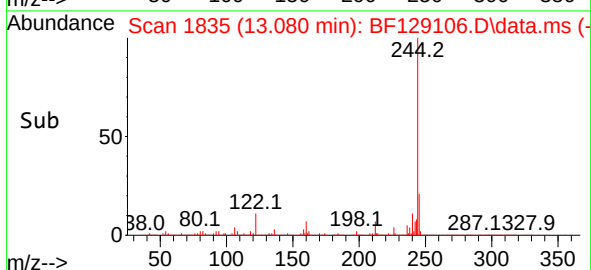
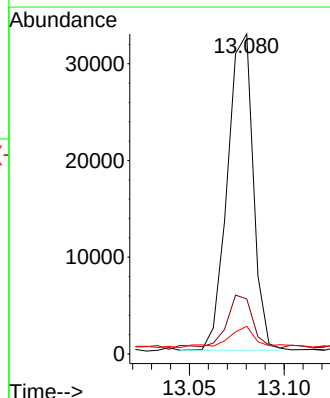
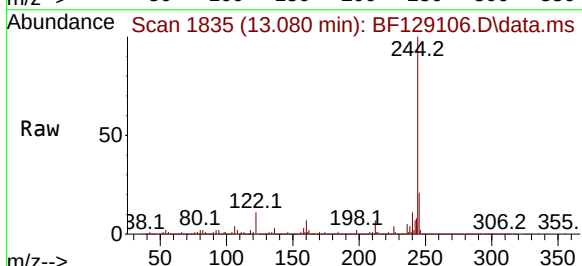
Tgt Ion:184 Resp: 30915

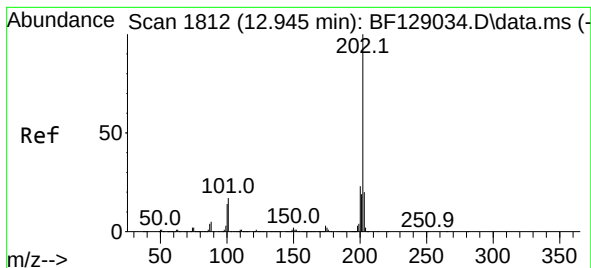
Ion Ratio Lower Upper

184 100

185 17.2 11.9 17.9

183 8.7 9.3 13.9#





#78

Pyrene

Concen: 18.696 ng

RT: 12.939 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

Instrument :

BNA_F

ClientSampleId :

SB-10A

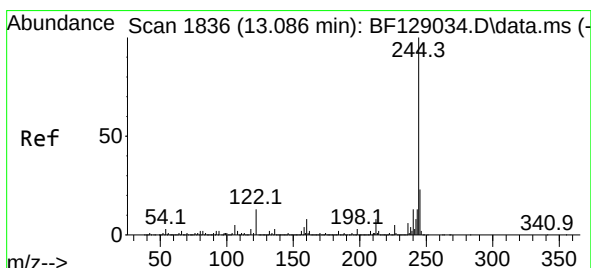
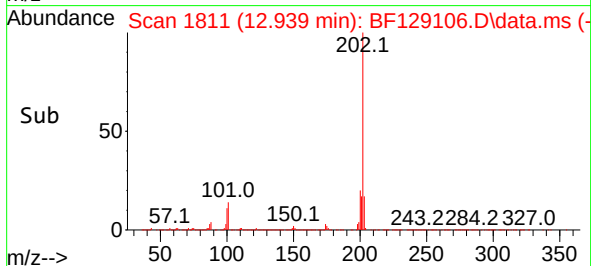
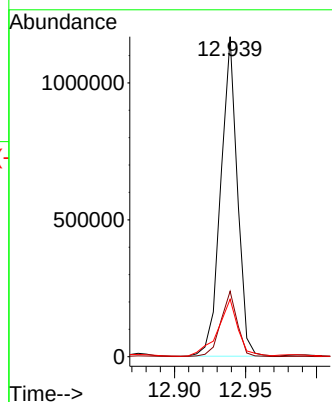
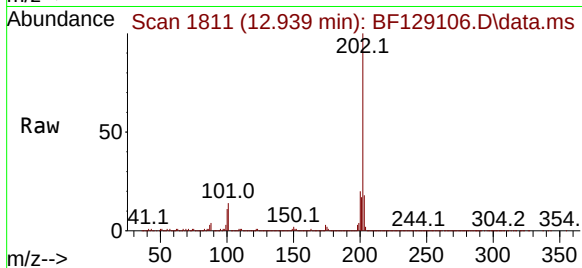
Tgt Ion:202 Resp: 950192

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

203 18.0 14.6 21.8



#79

Terphenyl-d14

Concen: 65.234 ng

RT: 13.080 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

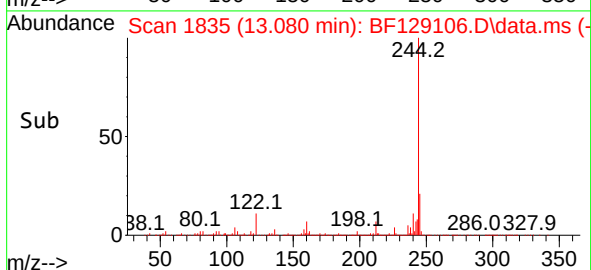
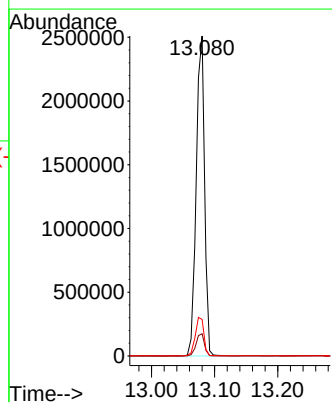
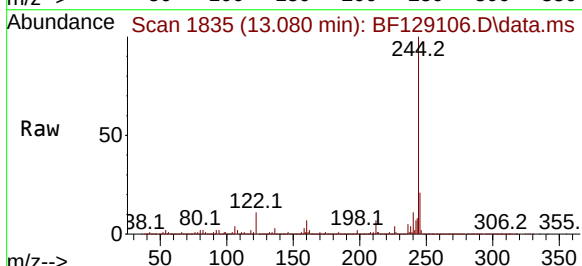
Tgt Ion:244 Resp: 2303312

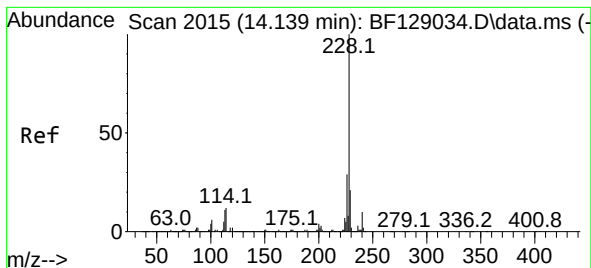
Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 11.4 8.8 13.2





#81

Benzo(a)anthracene

Concen: 12.331 ng

RT: 14.127 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

Instrument :

BNA_F

ClientSampleId :

SB-10A

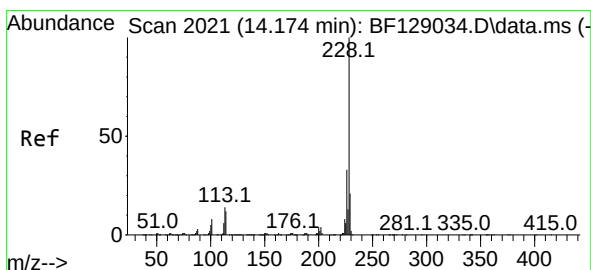
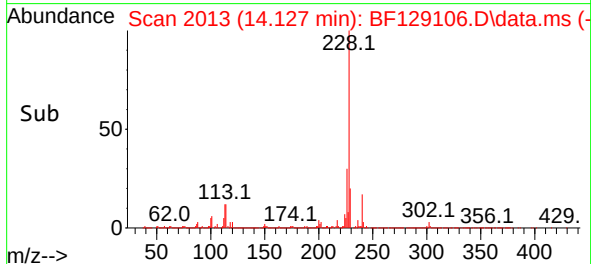
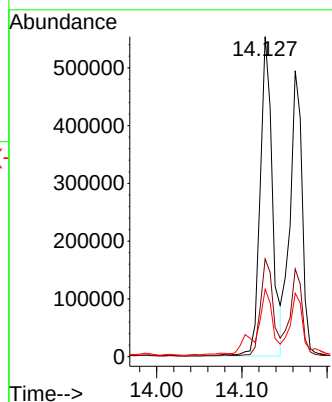
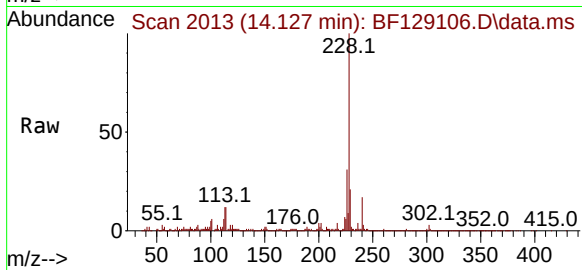
Tgt Ion:228 Resp: 552037

Ion Ratio Lower Upper

228 100

226 30.5 22.1 33.1

229 21.1 15.8 23.8



#83

Chrysene

Concen: 11.771 ng

RT: 14.163 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

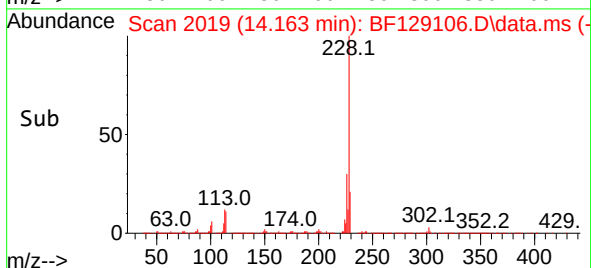
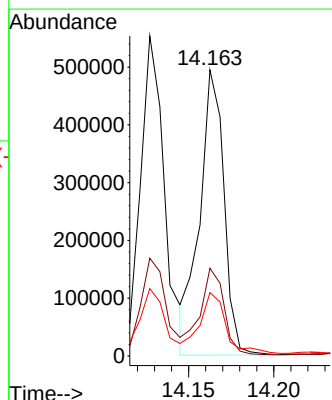
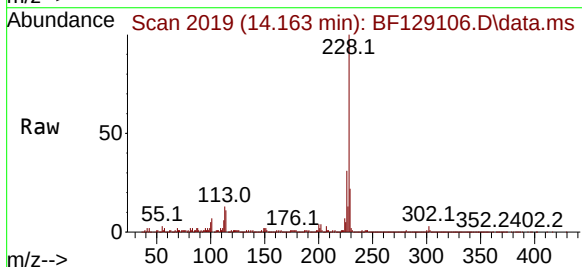
Tgt Ion:228 Resp: 489219

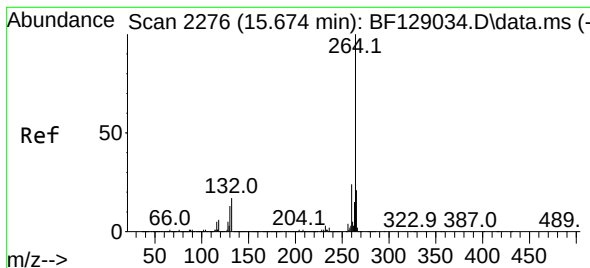
Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 22.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.662 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

Instrument :

BNA_F

ClientSampleId :

SB-10A

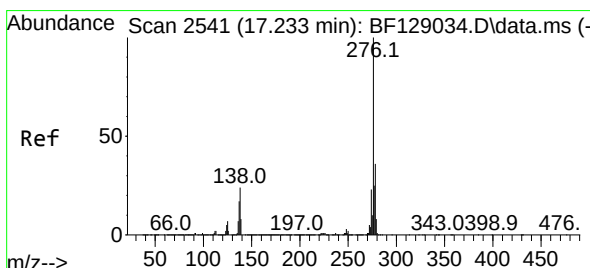
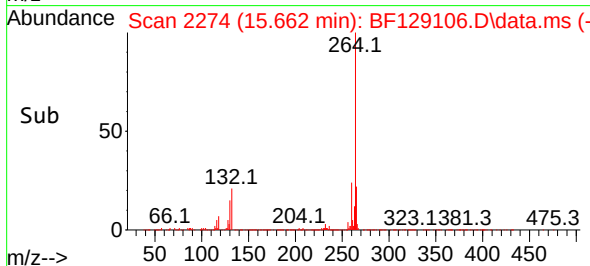
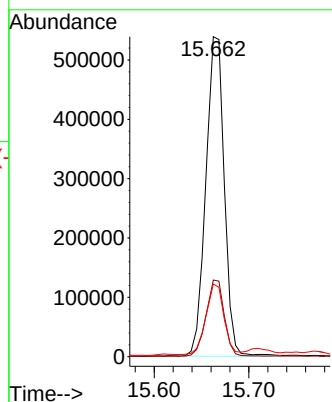
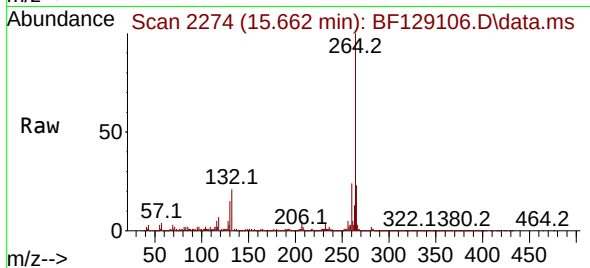
Tgt Ion:264 Resp: 727263

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 22.7 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.711 ng

RT: 17.209 min Scan# 2537

Delta R.T. -0.024 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

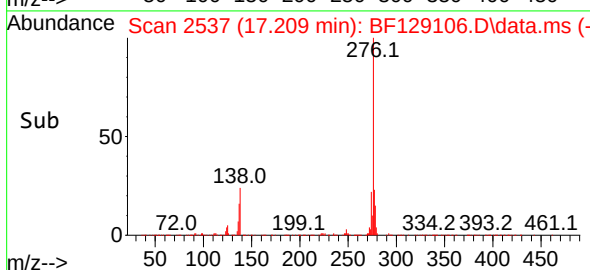
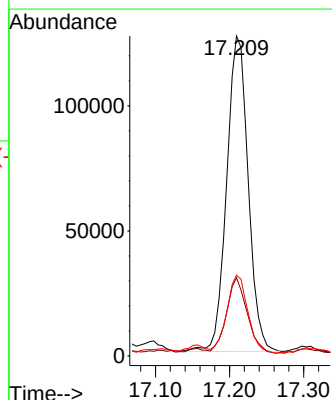
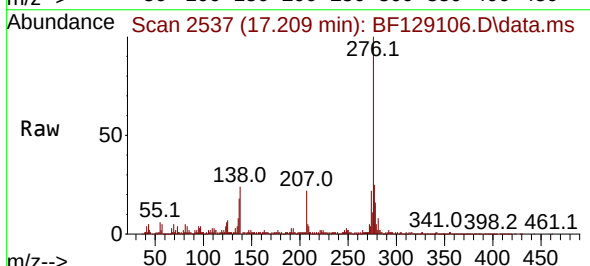
Tgt Ion:276 Resp: 254718

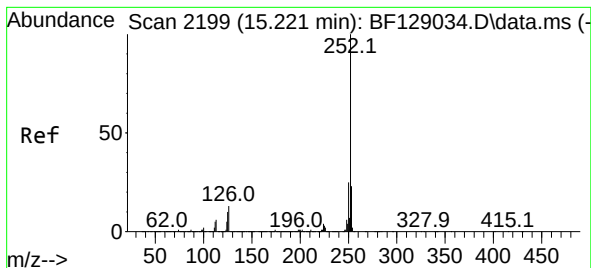
Ion Ratio Lower Upper

276 100

138 22.9 21.1 31.7

277 24.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 19.913 ng

RT: 15.210 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

Instrument :

BNA_F

ClientSampleId :

SB-10A

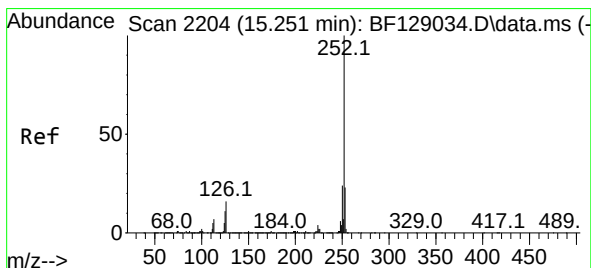
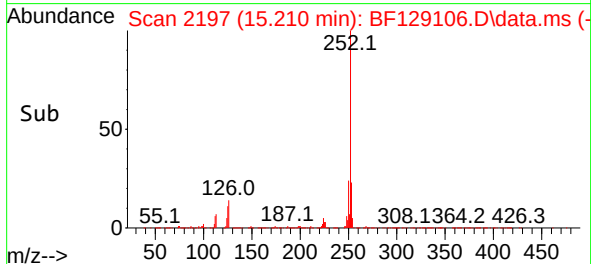
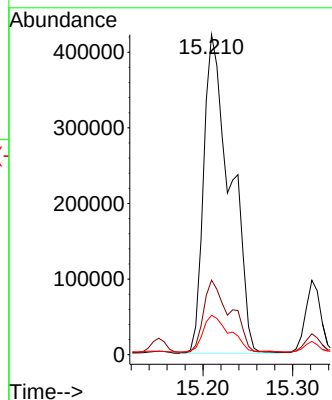
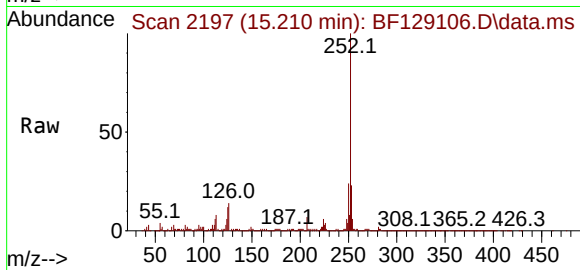
Tgt Ion:252 Resp: 870958

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 12.3 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 20.531 ng

RT: 15.210 min Scan# 2197

Delta R.T. -0.041 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

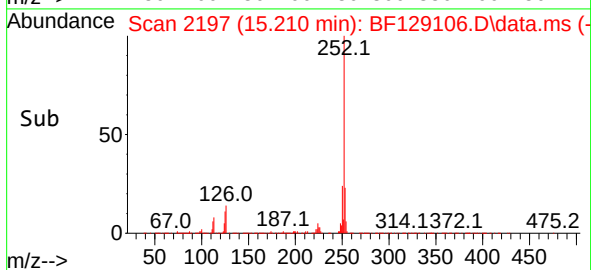
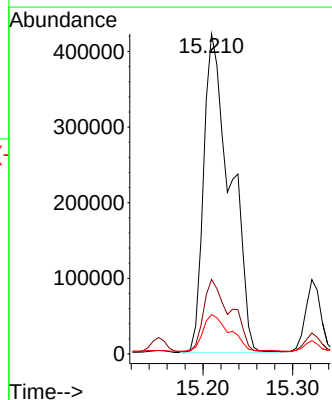
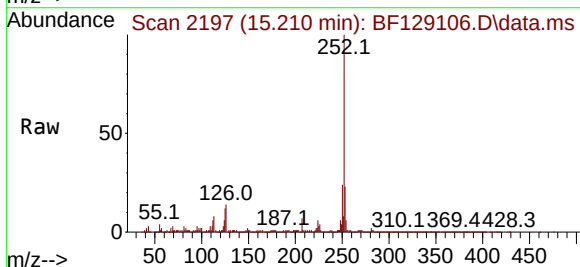
Tgt Ion:252 Resp: 870958

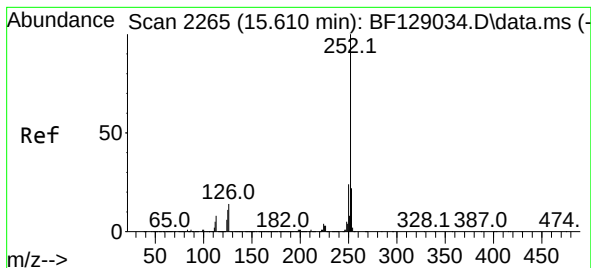
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 12.3 8.3 12.5





#90

Benzo(a)pyrene

Concen: 12.580 ng

RT: 15.598 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

Instrument :

BNA_F

ClientSampleId :

SB-10A

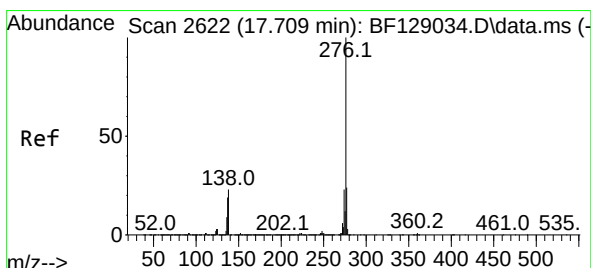
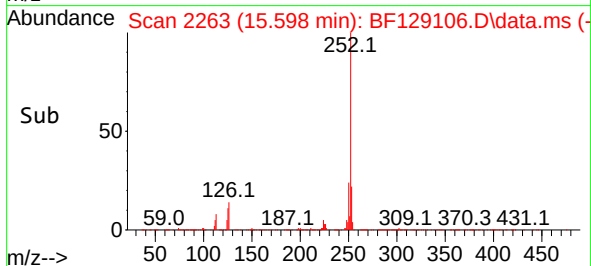
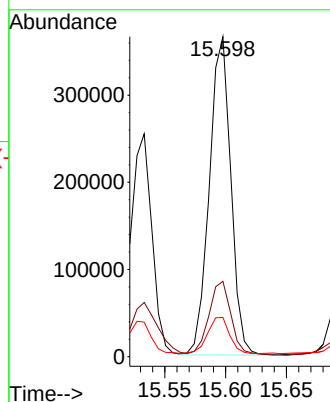
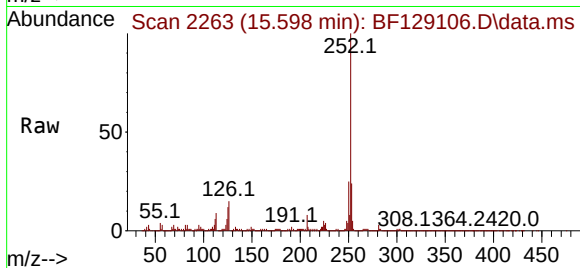
Tgt Ion:252 Resp: 448556

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

125 12.2 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 6.192 ng

RT: 17.680 min Scan# 2617

Delta R.T. -0.030 min

Lab File: BF129106.D

Acq: 01 Jul 2022 22:29

Tgt Ion:276 Resp: 225889

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 23.7 18.0 27.0

