

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
 Data File : BF129202.D
 Acq On : 12 Jul 2022 22:06
 Operator : CG\JU
 Sample : N3645-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-070822

Quant Time: Jul 13 01:58:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 14:13:54 2022
 Response via : Initial Calibration

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

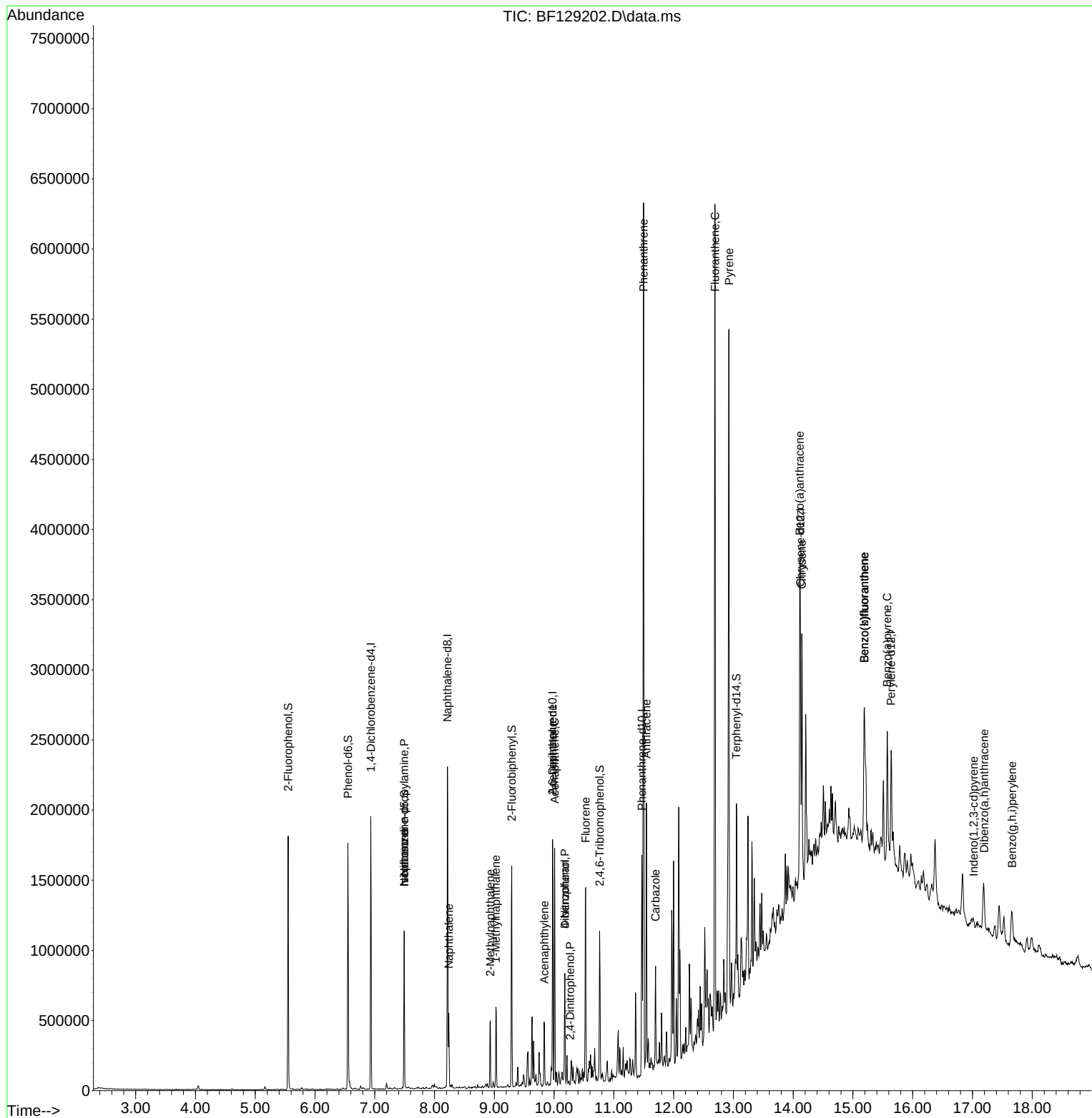
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	274911	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	980005	20.000	ng	# 0.00
39) Acenaphthene-d10	9.975	164	340667	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	587522	20.000	ng	0.00
76) Chrysene-d12	14.121	240	400475	20.000	ng	0.00
86) Perylene-d12	15.639	264	315370	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	442020	27.183	ng	-0.01
7) Phenol-d6	6.551	99	539541	26.716	ng	-0.02
23) Nitrobenzene-d5	7.492	82	307148	18.694	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	92583	24.994	ng	-0.01
45) 2-Fluorobiphenyl	9.292	172	454562	21.346	ng	0.00
79) Terphenyl-d14	13.051	244	446961	23.177	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.487	77	811	Below Cal	#	33
19) n-Nitroso-di-n-propyla...	7.492	70	39323	3.366	ng	# 76
25) Isophorone	7.492	82	304201	10.955	ng	# 65
31) Naphthalene	8.239	128	193056	4.339	ng	99
37) 2-Methylnaphthalene	8.934	142	128011	4.276	ng	99
38) 1-Methylnaphthalene	9.028	142	146213	5.029	ng	99
49) Acenaphthylene	9.839	152	152485	5.306	ng	99
51) 2,6-Dinitrotoluene	9.975	165	50969	11.704	ng	# 26
52) Acenaphthene	10.010	154	312304	16.683	ng	99
54) 2,4-Dinitrophenol	10.269	184	75	6.895	ng	# 7
55) Dibenzofuran	10.181	168	238807	8.761	ng	100
56) 4-Nitrophenol	10.181	139	92995	21.916	ng	# 9
58) Fluorene	10.528	166	400003	18.971	ng	98
71) Phenanthrene	11.498	178	2192908	78.118	ng	99
72) Anthracene	11.545	178	628210	22.698	ng	99
73) Carbazole	11.698	167	250303	9.025	ng	98
75) Fluoranthene	12.692	202	2386481	81.290	ng	97
78) Pyrene	12.927	202	2183252	78.650	ng	99
81) Benzo(a)anthracene	14.110	228	775129	31.700	ng	95
83) Chrysene	14.145	228	691120	30.445	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	41317	2.136	ng	97
88) Benzo(b)fluoranthene	15.192	252	769956	40.596	ng	# 91
89) Benzo(k)fluoranthene	15.192	252	769956	41.855	ng	# 92
90) Benzo(a)pyrene	15.574	252	428508	27.715	ng	94
91) Dibenzo(a,h)anthracene	17.198	278	56369	3.575	ng	# 72
92) Benzo(g,h,i)perylene	17.662	276	211811	13.389	ng	97

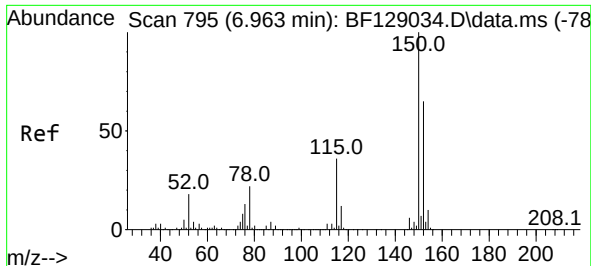
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 12 14:13:54 2022
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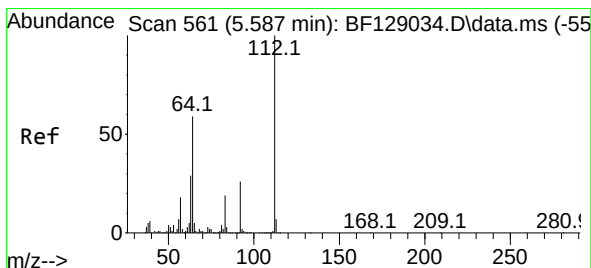
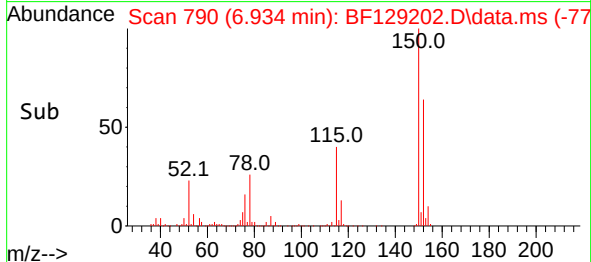
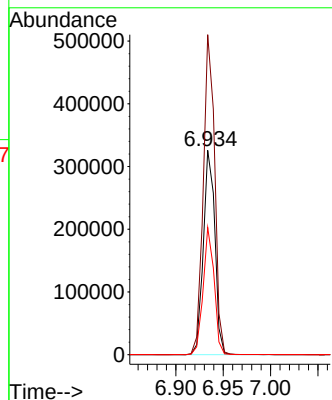
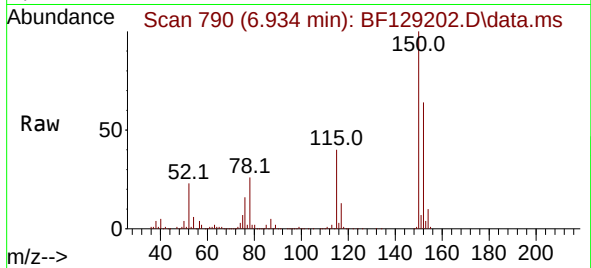




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

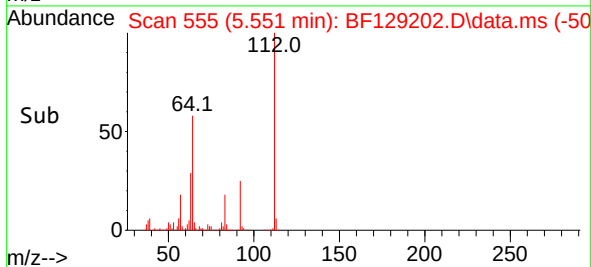
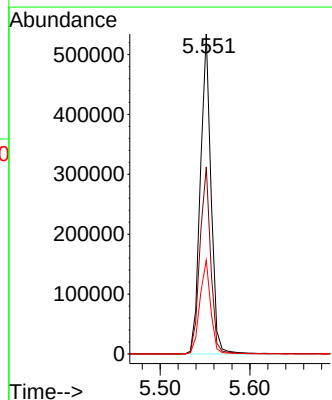
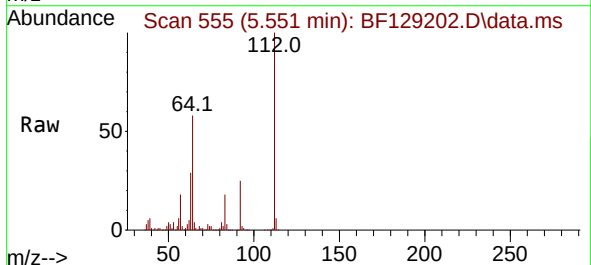
Instrument :
BNA_F
ClientSampleId :
NB-08-070822

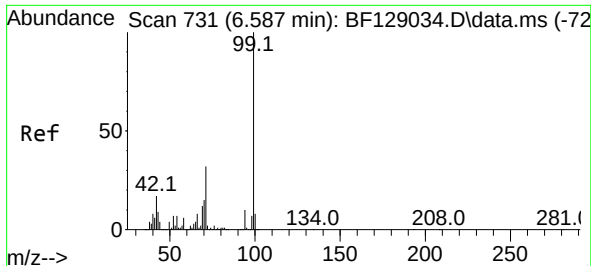
Tgt Ion:152 Resp: 274911
Ion Ratio Lower Upper
152 100
150 156.6 123.7 185.5
115 62.3 49.9 74.9



#5
2-Fluorophenol
Concen: 27.183 ng
RT: 5.551 min Scan# 555
Delta R.T. -0.012 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion:112 Resp: 442020
Ion Ratio Lower Upper
112 100
64 58.5 53.3 79.9
63 29.3 28.0 42.0

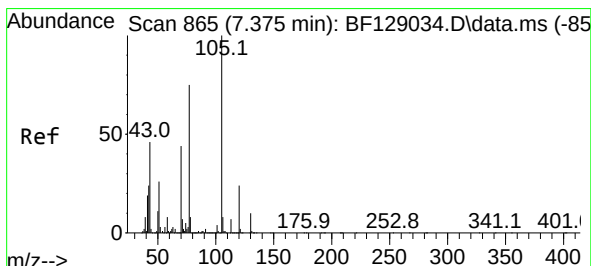
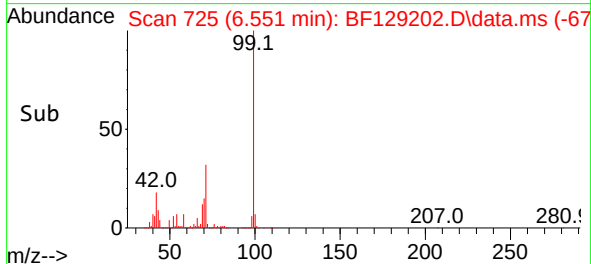
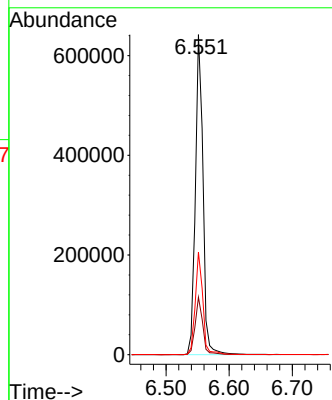
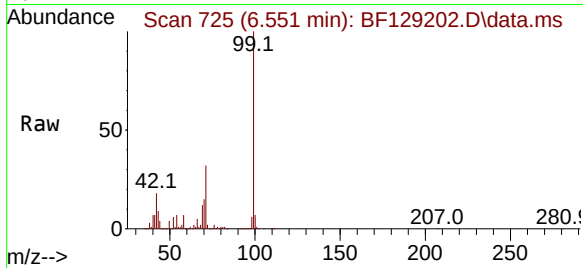




#7
Phenol-d6
Concen: 26.716 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

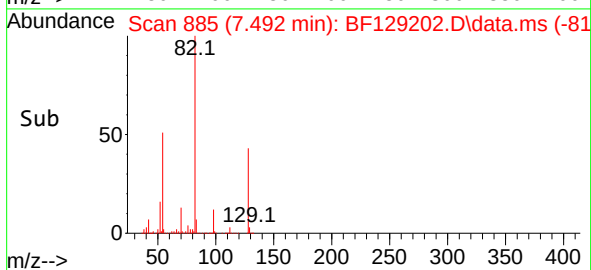
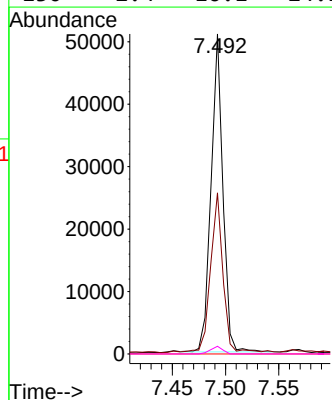
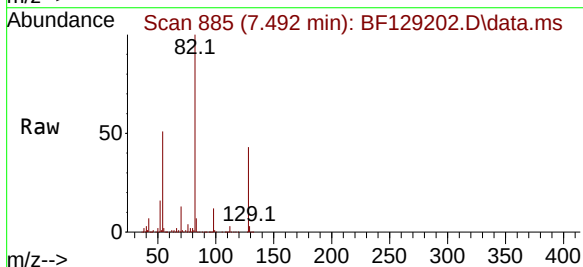
Instrument :
BNA_F
ClientSampleId :
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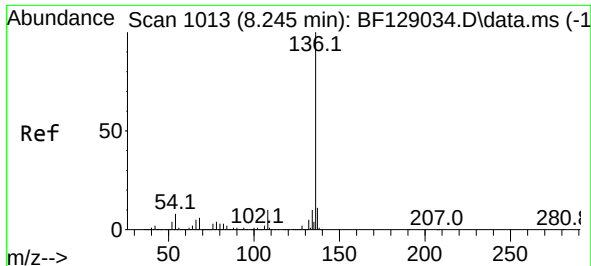
Tgt Ion: 99 Resp: 539541
Ion Ratio Lower Upper
99 100
42 17.9 17.3 25.9
71 32.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 3.366 ng
RT: 7.492 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion: 70 Resp: 39323
Ion Ratio Lower Upper
70 100
42 50.4 52.3 78.5#
101 0.0 7.5 11.3#
130 2.4 16.1 24.1#

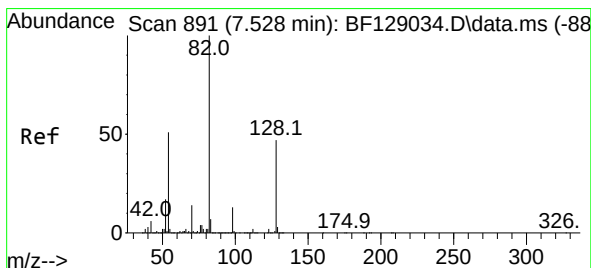
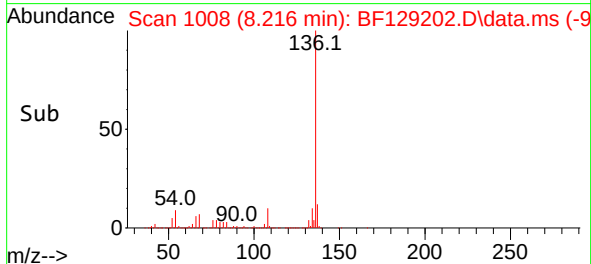
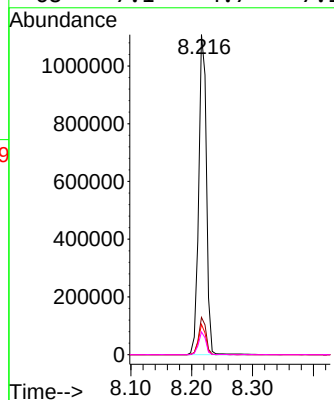
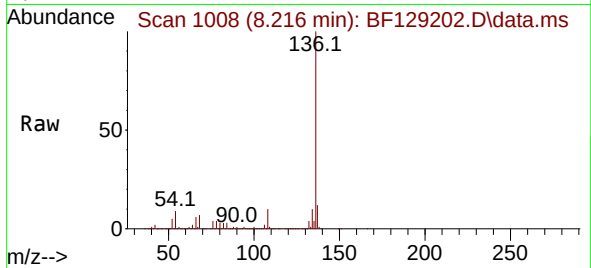




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

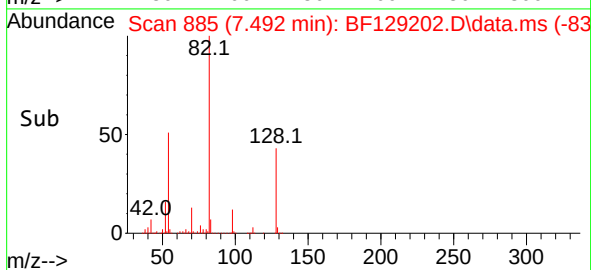
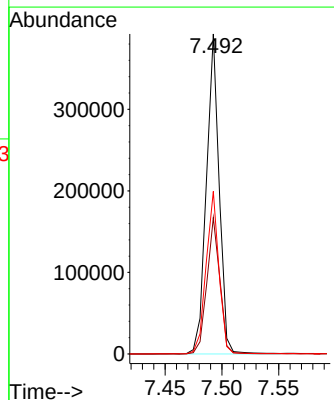
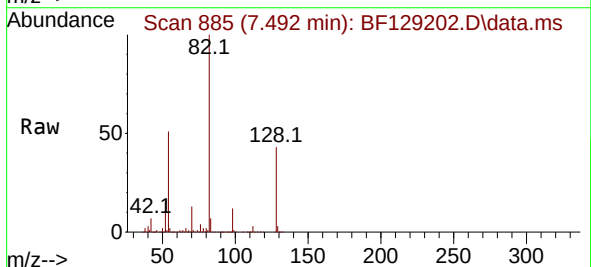
Instrument :
BNA_F
ClientSampleId :
NB-08-070822

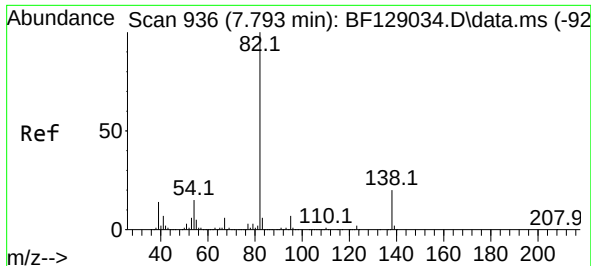
Tgt Ion:136 Resp: 980005
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 9.5 7.5 11.3
68 7.1 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 18.694 ng
RT: 7.492 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion: 82 Resp: 307148
Ion Ratio Lower Upper
82 100
128 42.6 34.0 51.0
54 50.8 46.9 70.3

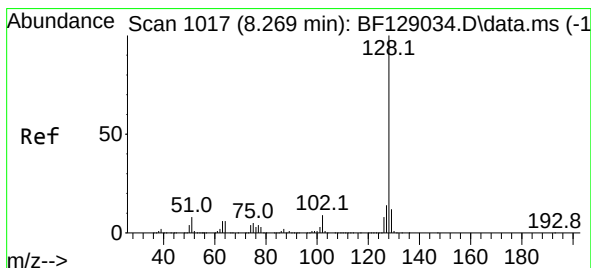
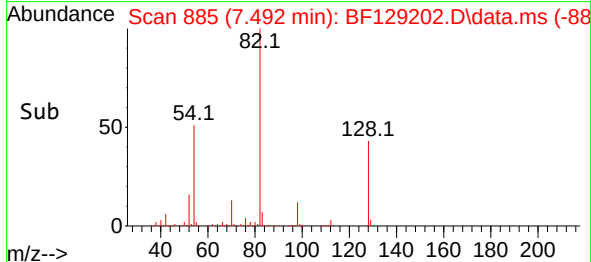
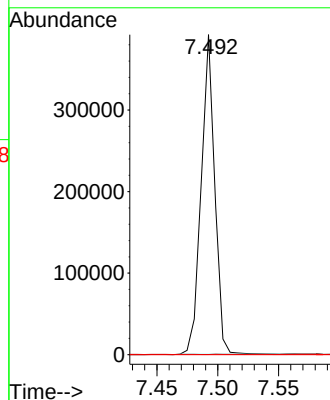
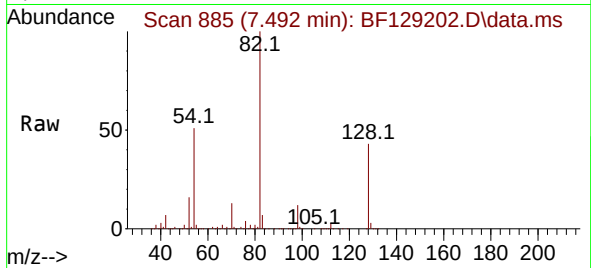




#25
Isophorone
Concen: 10.955 ng
RT: 7.492 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

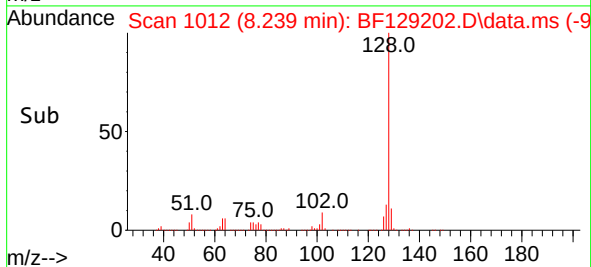
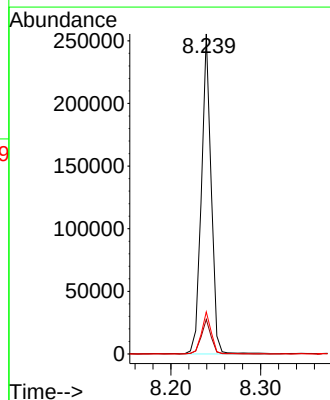
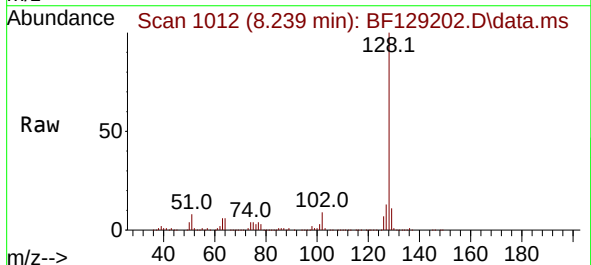
Instrument :
BNA_F
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NB-08-070822

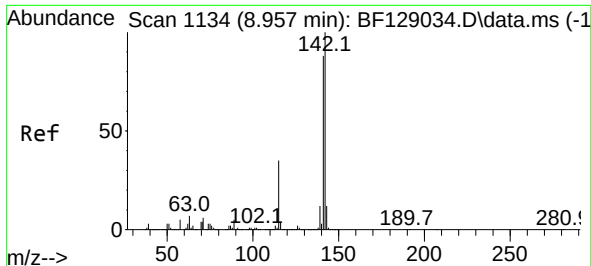
Tgt Ion: 82 Resp: 304201
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 4.339 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion: 128 Resp: 193056
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.2 10.5 15.7

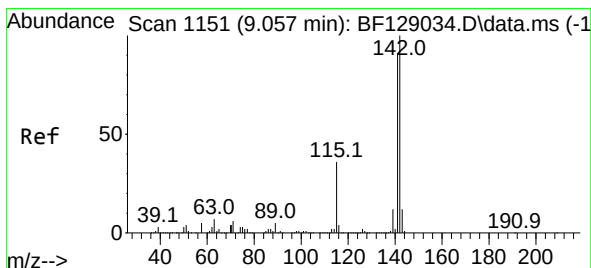
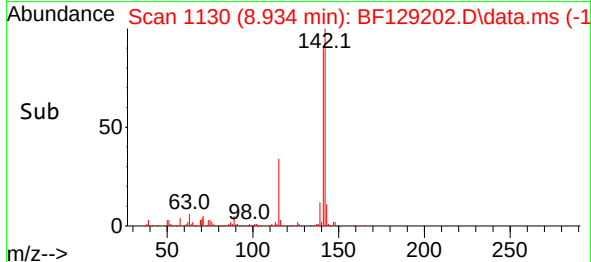
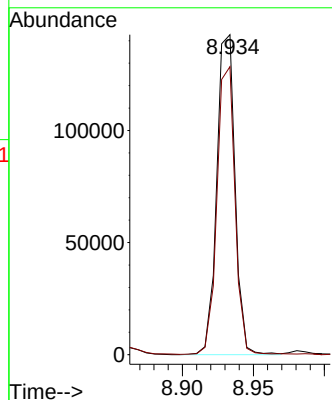
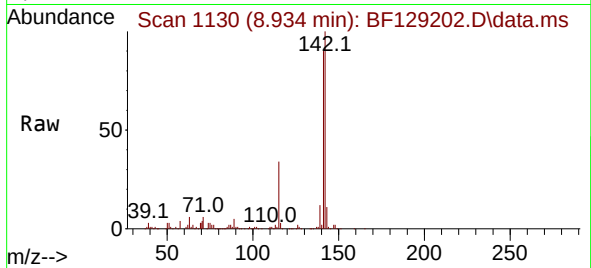




#37
2-Methylnaphthalene
Concen: 4.276 ng
RT: 8.934 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

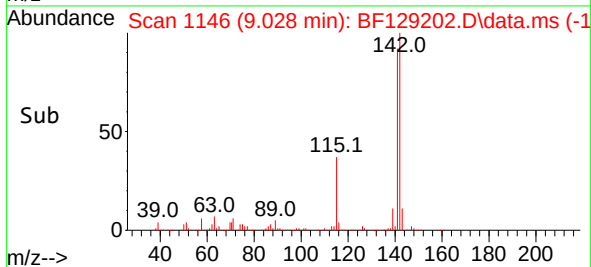
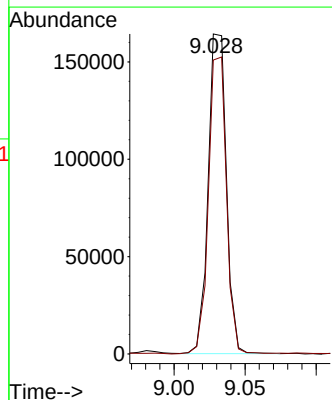
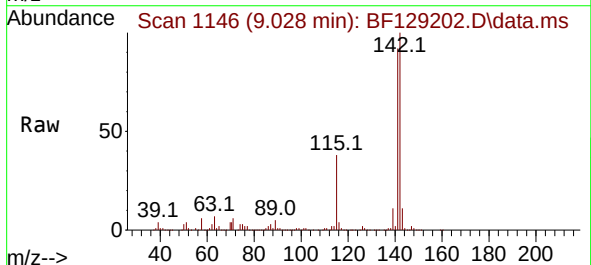
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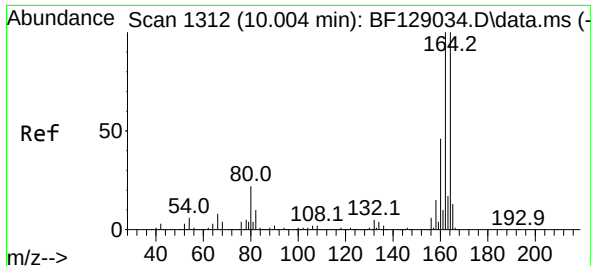
Tgt Ion:142 Resp: 128011
Ion Ratio Lower Upper
142 100
141 90.0 71.0 106.4



#38
1-Methylnaphthalene
Concen: 5.029 ng
RT: 9.028 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion:142 Resp: 146213
Ion Ratio Lower Upper
142 100
141 91.9 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.975 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

Instrument :

BNA_F

ClientSampleId :

NB-08-070822

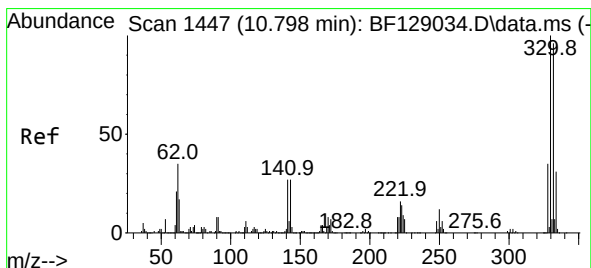
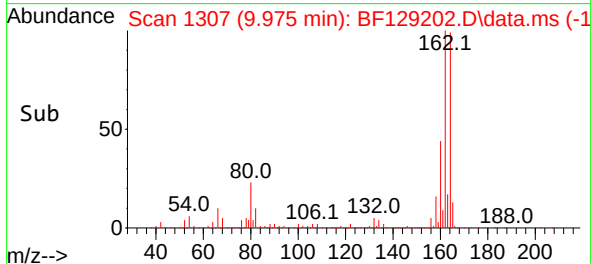
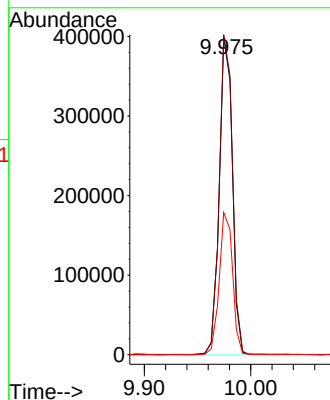
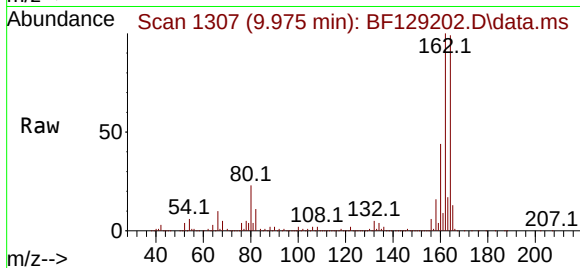
Tgt Ion:164 Resp: 340667

Ion Ratio Lower Upper

164 100

162 100.9 79.5 119.3

160 44.8 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 24.994 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

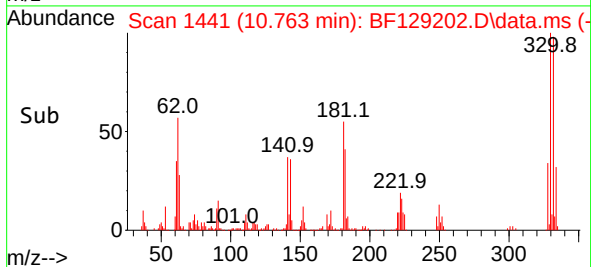
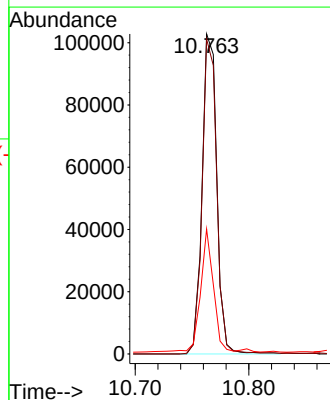
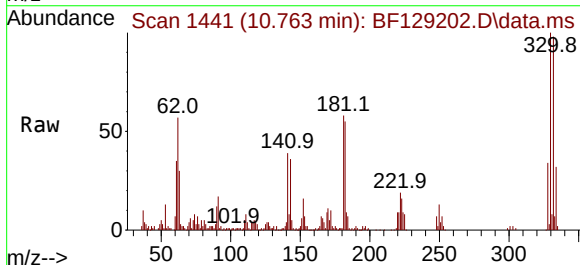
Tgt Ion:330 Resp: 92583

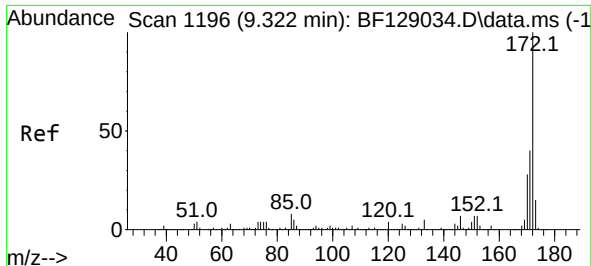
Ion Ratio Lower Upper

330 100

332 97.8 76.8 115.2

141 33.7 28.0 42.0

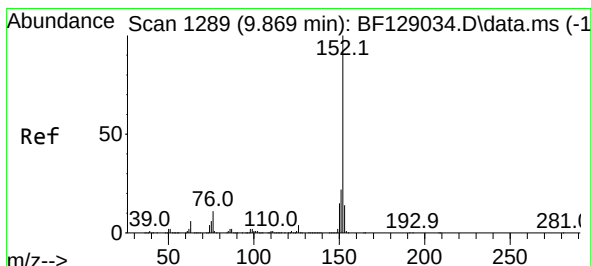
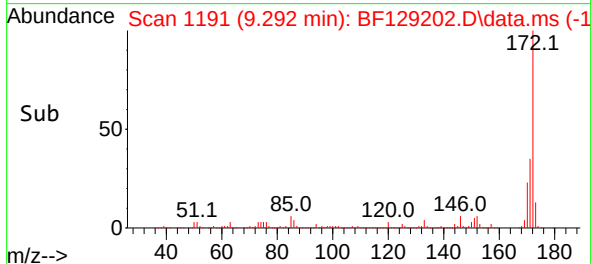
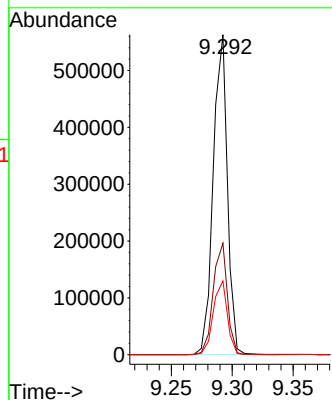
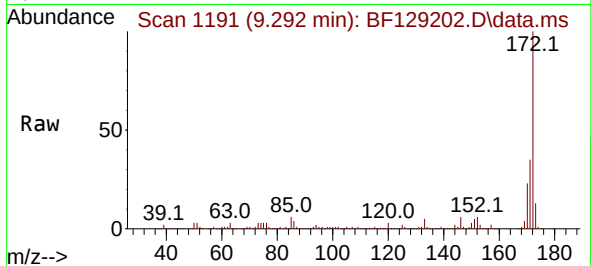




#45
2-Fluorobiphenyl
Concen: 21.346 ng
RT: 9.292 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

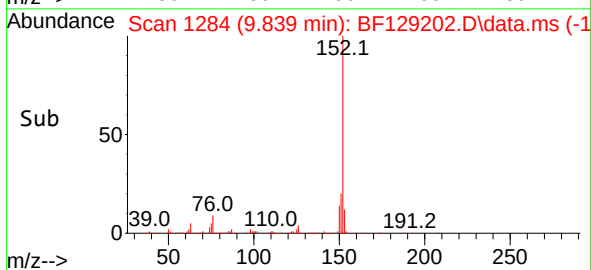
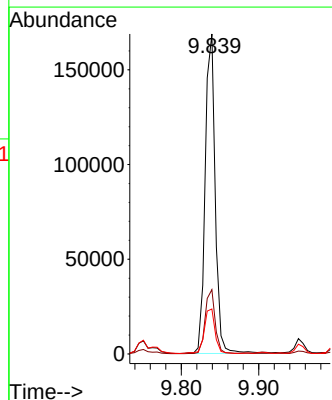
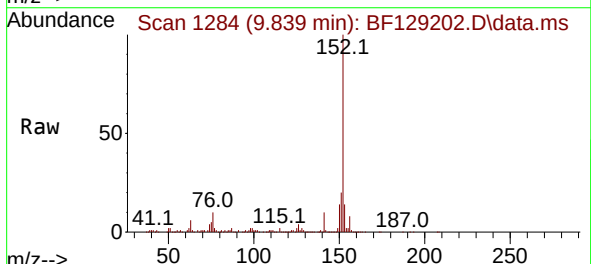
Instrument :
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NB-08-070822

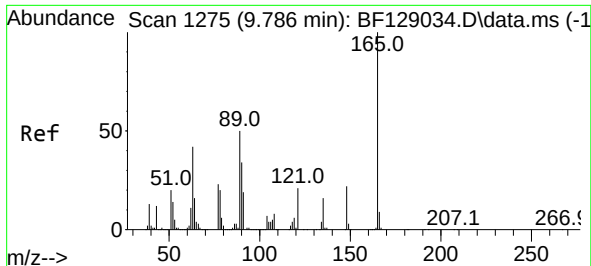
Tgt Ion:172 Resp: 454562
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.0 19.8 29.8



#49
Acenaphthylene
Concen: 5.306 ng
RT: 9.839 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion:152 Resp: 152485
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4
153 14.1 10.7 16.1

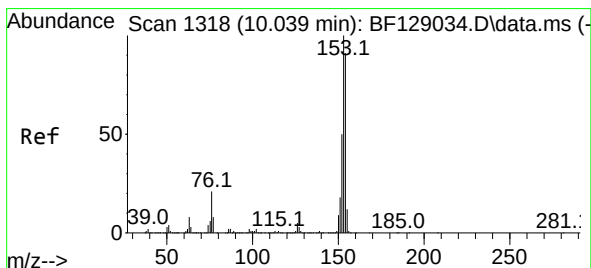
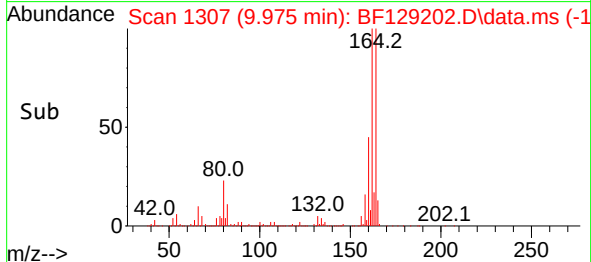
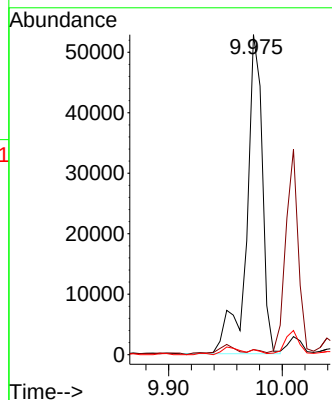
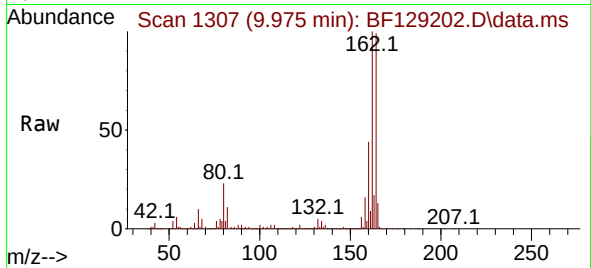




#51
2,6-Dinitrotoluene
Concen: 11.704 ng
RT: 9.975 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

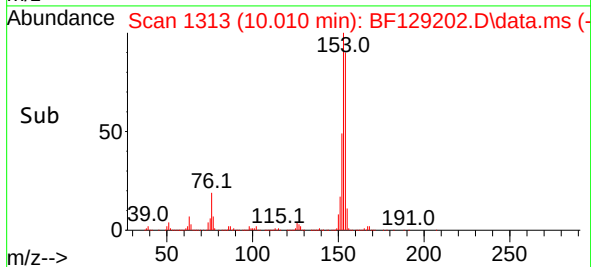
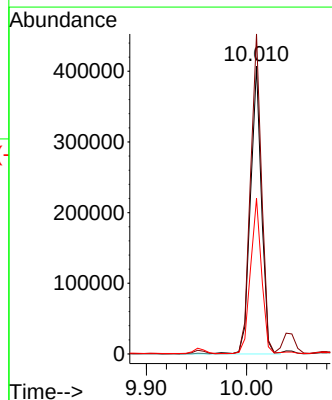
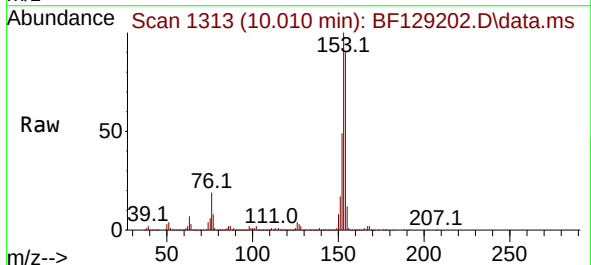
Instrument :
BNA_F
ClientSampleId :
NB-08-070822

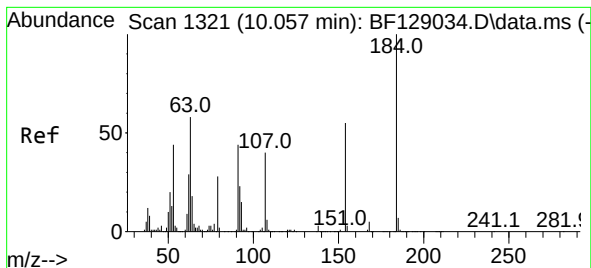
Tgt Ion:165 Resp: 50969
Ion Ratio Lower Upper
165 100
63 1.6 44.9 67.3#
89 1.5 43.6 65.4#



#52
Acenaphthene
Concen: 16.683 ng
RT: 10.010 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion:154 Resp: 312304
Ion Ratio Lower Upper
154 100
153 111.2 89.6 134.4
152 54.0 42.4 63.6

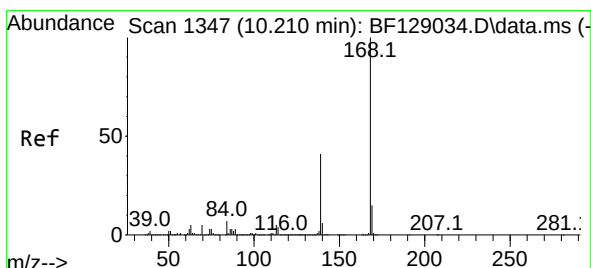
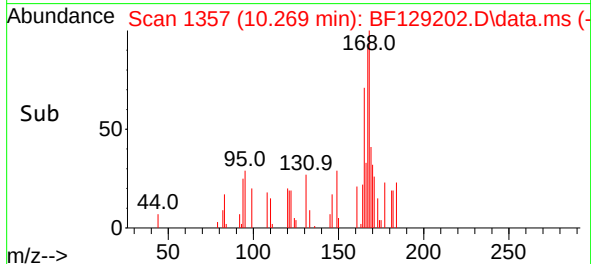
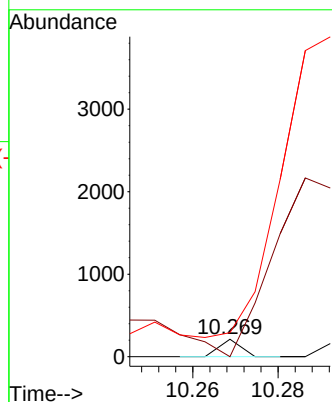
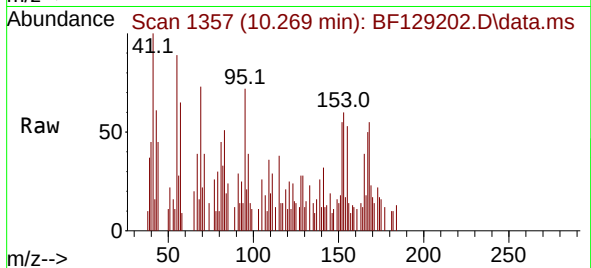




#54
2,4-Dinitrophenol
Concen: 6.895 ng
RT: 10.269 min Scan# 11
Delta R.T. 0.229 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

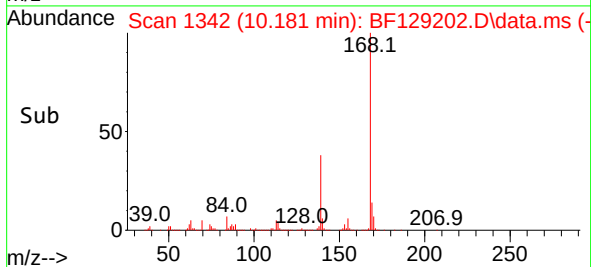
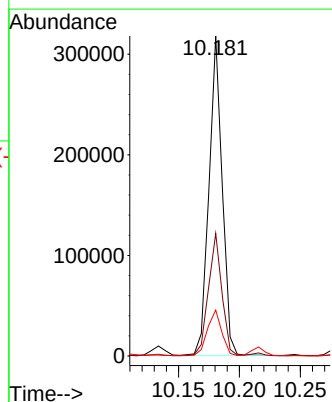
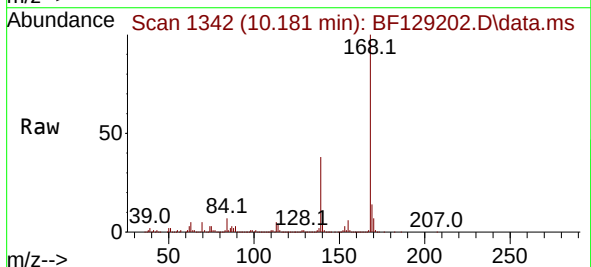
Instrument :
BNA_F
ClientSampleId :
NB-08-070822

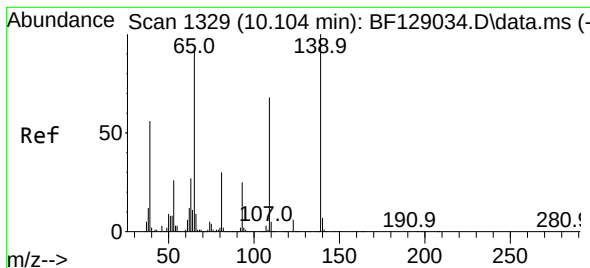
Tgt Ion:184 Resp: 75
Ion Ratio Lower Upper
184 100
63 0.0 64.5 96.7#
154 137.7 50.6 75.8#



#55
Dibenzofuran
Concen: 8.761 ng
RT: 10.181 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion:168 Resp: 238807
Ion Ratio Lower Upper
168 100
139 38.3 30.6 46.0
169 14.3 11.0 16.6

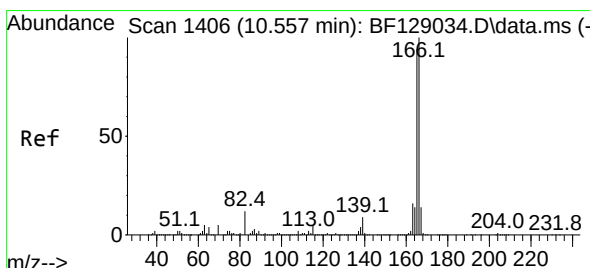
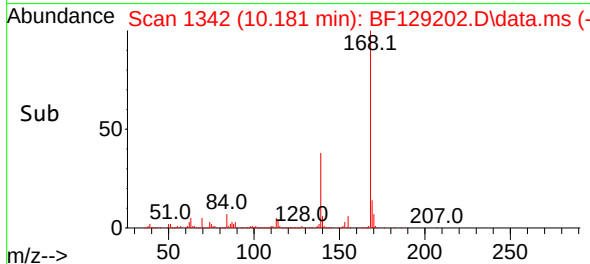
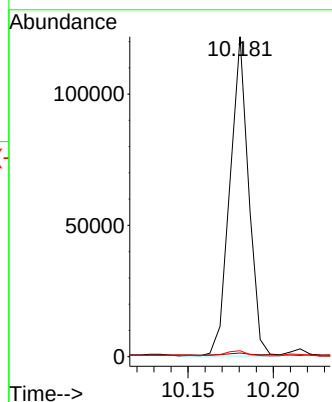
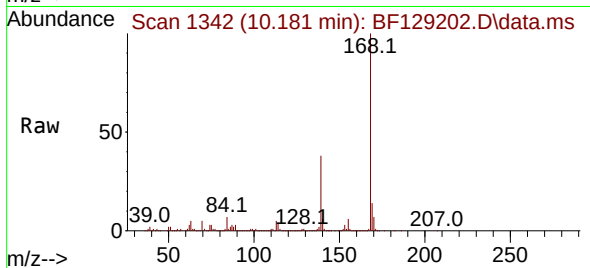




#56
4-Nitrophenol
Concen: 21.916 ng
RT: 10.181 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

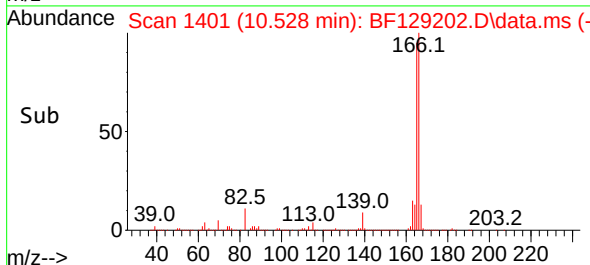
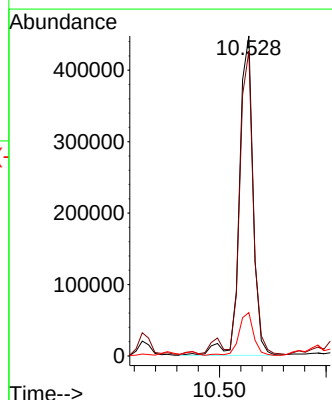
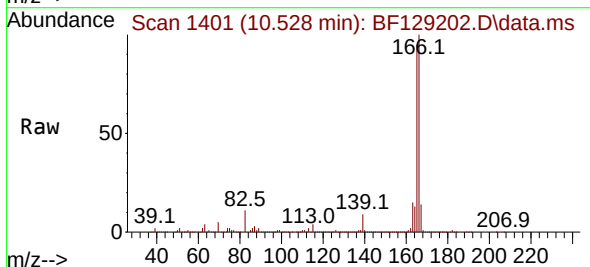
Instrument :
BNA_F
ClientSampleId :
NB-08-070822

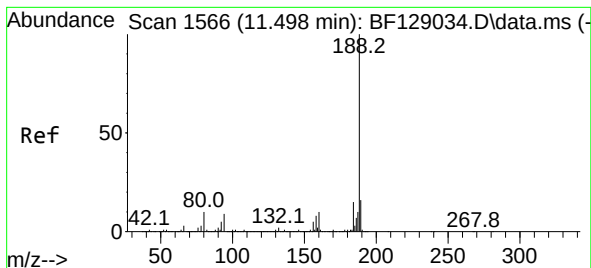
Tgt Ion:139 Resp: 92995
Ion Ratio Lower Upper
139 100
109 1.1 50.7 90.7#
65 1.9 74.5 114.5#



#58
Fluorene
Concen: 18.971 ng
RT: 10.528 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion:166 Resp: 400003
Ion Ratio Lower Upper
166 100
165 95.2 78.1 117.1
167 13.6 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.469 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

Instrument :

BNA_F

ClientSampleId :

NB-08-070822

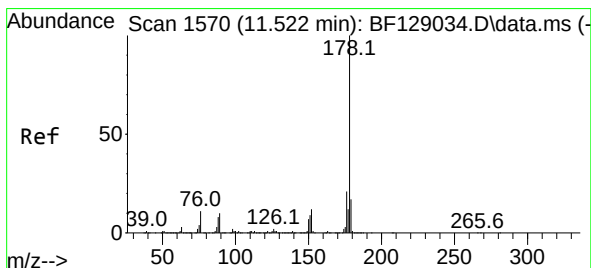
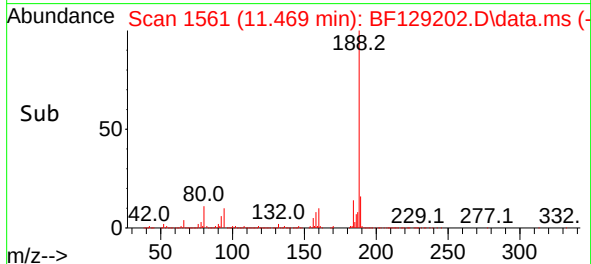
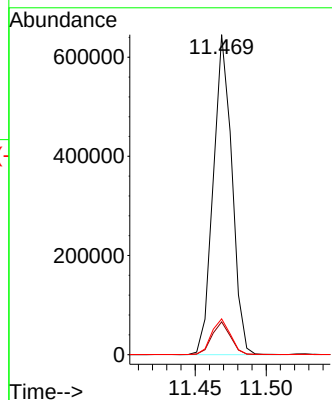
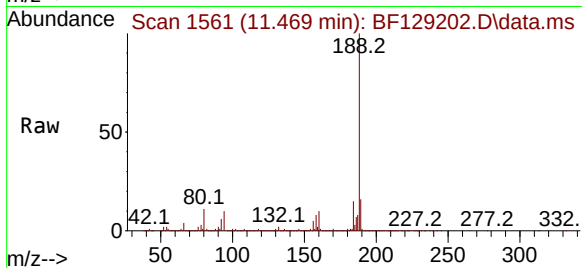
Tgt Ion:188 Resp: 587522

Ion Ratio Lower Upper

188 100

94 10.2 7.0 10.6

80 11.2 7.6 11.4



#71

Phenanthrene

Concen: 78.118 ng

RT: 11.498 min Scan# 1566

Delta R.T. 0.000 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

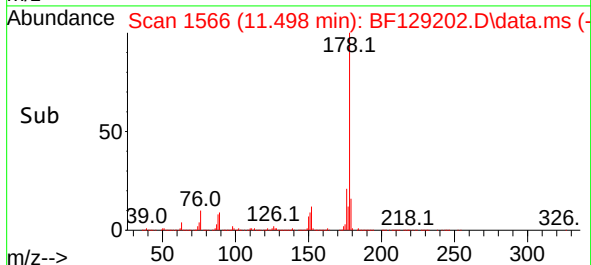
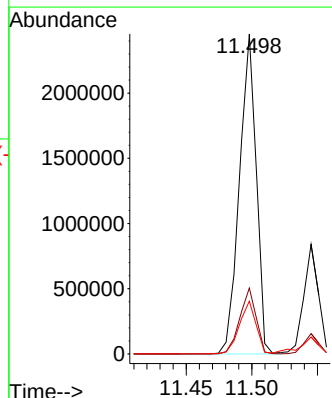
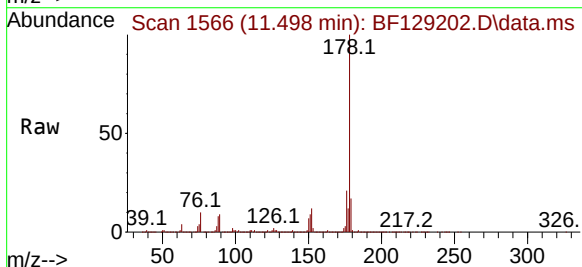
Tgt Ion:178 Resp: 2192908

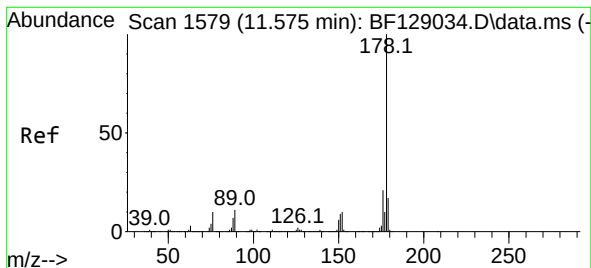
Ion Ratio Lower Upper

178 100

176 20.6 16.0 24.0

179 16.5 12.6 19.0





#72

Anthracene

Concen: 22.698 ng

RT: 11.545 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

Instrument :

BNA_F

ClientSampleId :

NB-08-070822

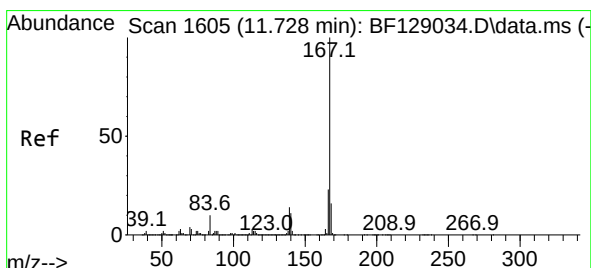
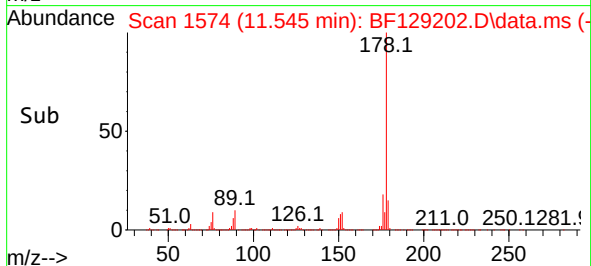
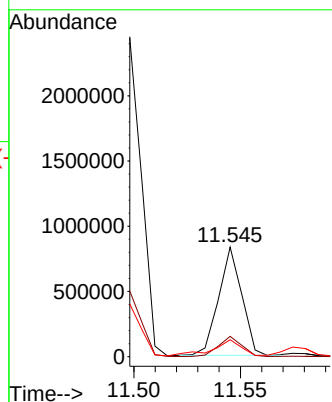
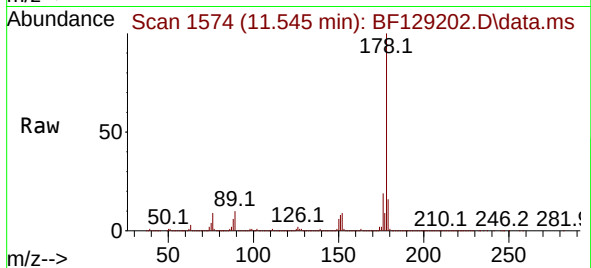
Tgt Ion:178 Resp: 628210

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.5 12.6 19.0



#73

Carbazole

Concen: 9.025 ng

RT: 11.698 min Scan# 1600

Delta R.T. -0.006 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

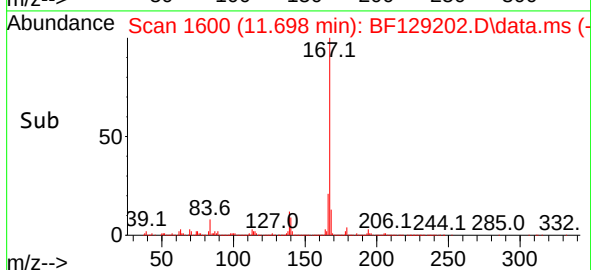
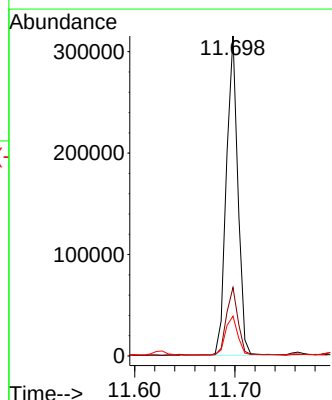
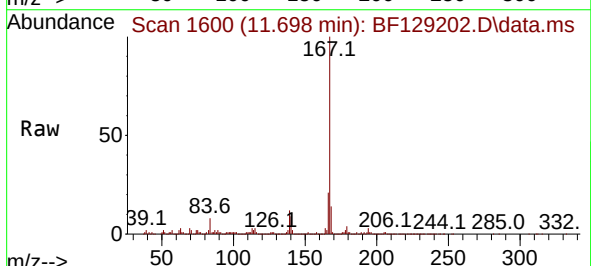
Tgt Ion:167 Resp: 250303

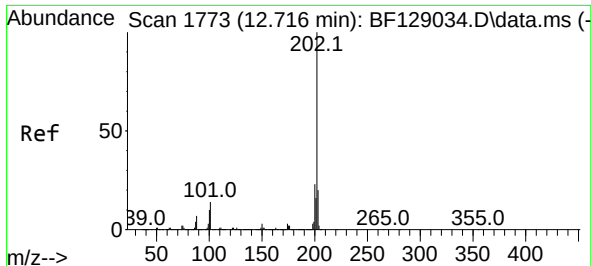
Ion Ratio Lower Upper

167 100

166 21.4 17.7 26.5

139 12.5 11.2 16.8

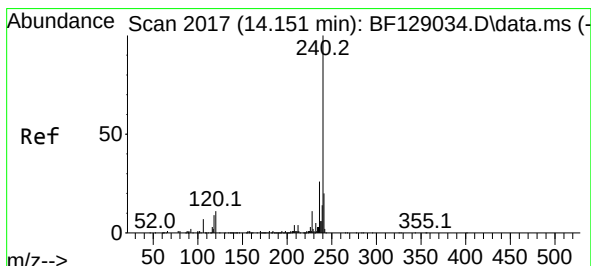
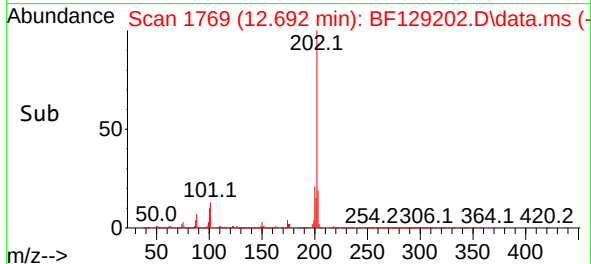
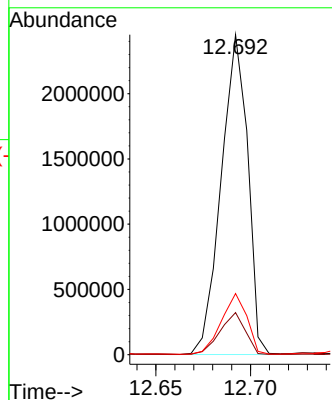
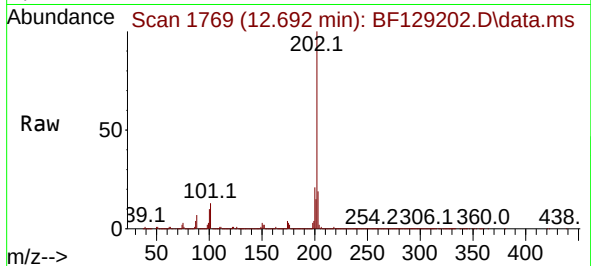




#75
Fluoranthene
Concen: 81.290 ng
RT: 12.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

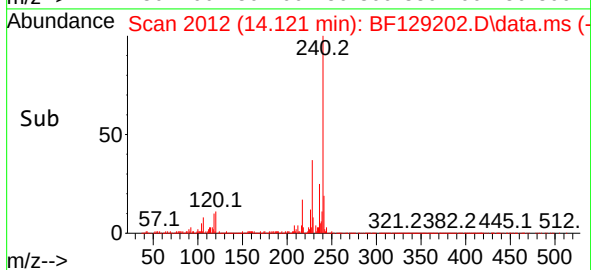
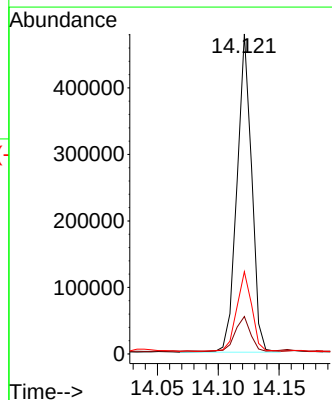
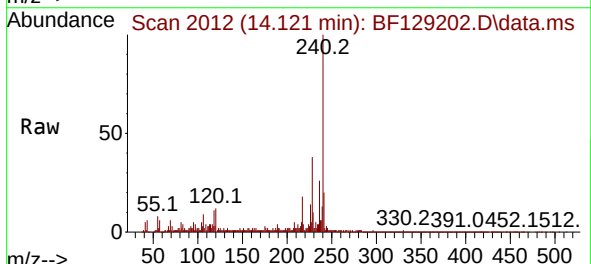
Instrument :
BNA_F
ClientSampleId :
NB-08-070822

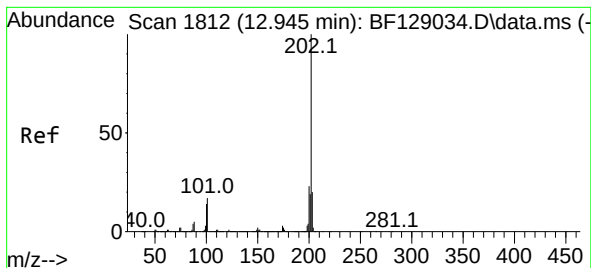
Tgt Ion:202 Resp: 2386481
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.4
203 19.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion:240 Resp: 400475
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 25.7 20.8 31.2





#78

Pyrene

Concen: 78.650 ng

RT: 12.927 min Scan# 1809

Delta R.T. 0.006 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

Instrument :

BNA_F

ClientSampleId :

NB-08-070822

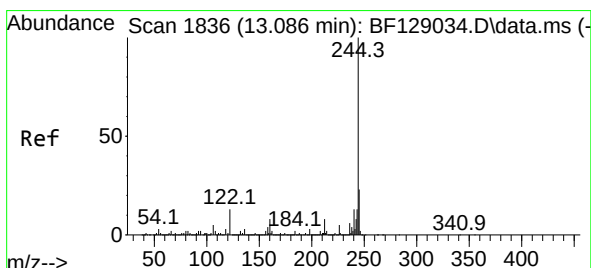
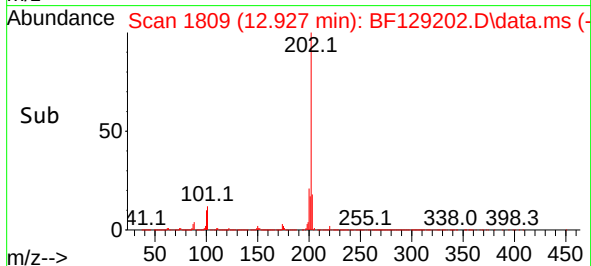
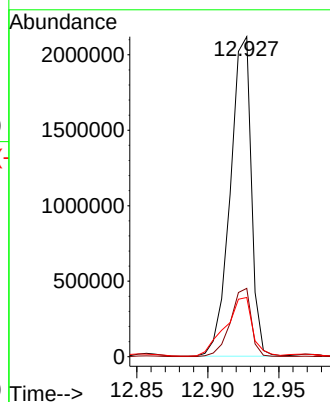
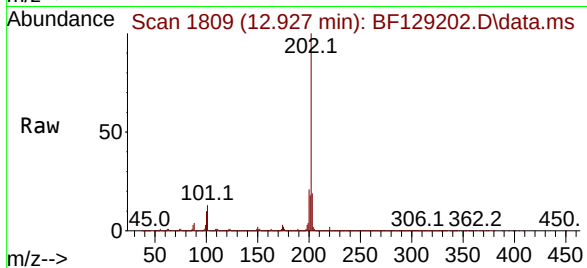
Tgt Ion:202 Resp: 2183252

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

203 18.5 14.6 21.8



#79

Terphenyl-d14

Concen: 23.177 ng

RT: 13.051 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

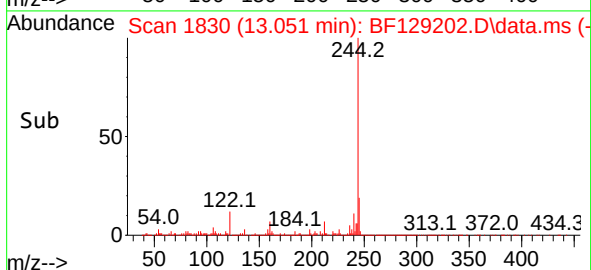
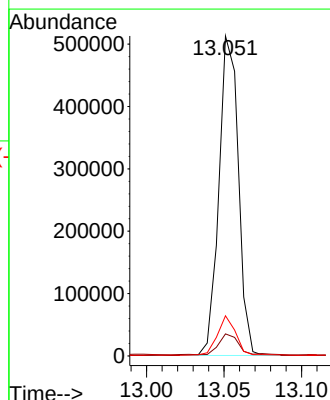
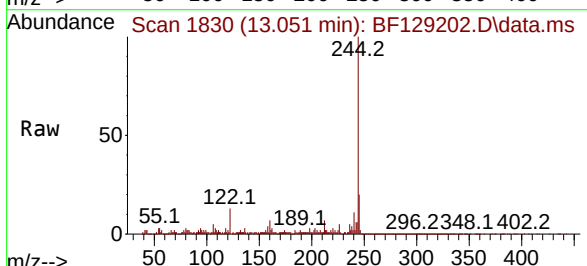
Tgt Ion:244 Resp: 446961

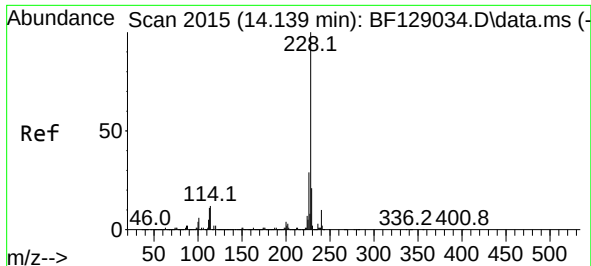
Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 12.6 8.8 13.2

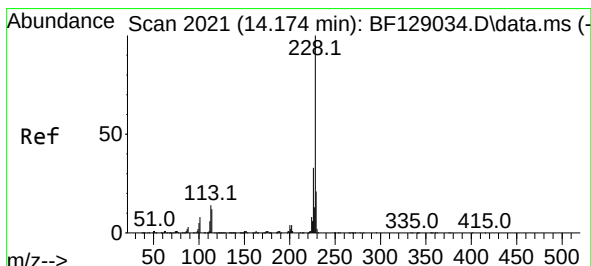
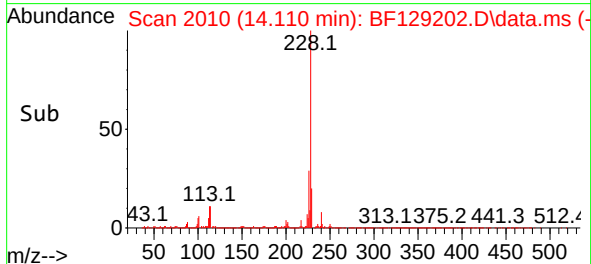
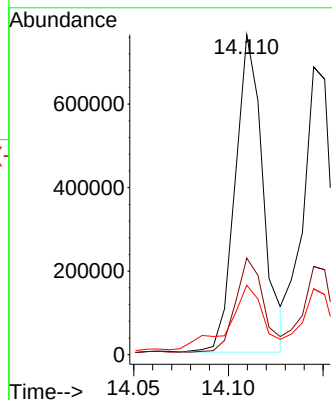
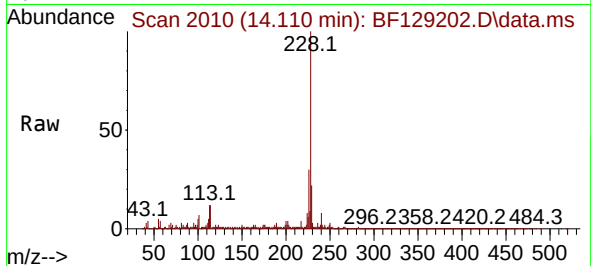




#81
Benzo(a)anthracene
Concen: 31.700 ng
RT: 14.110 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

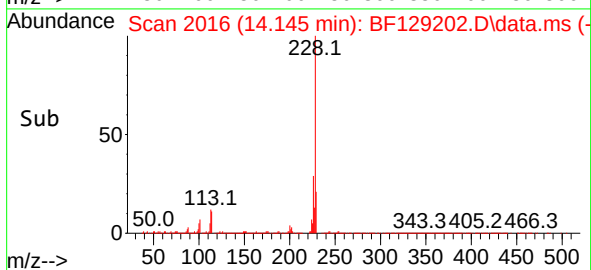
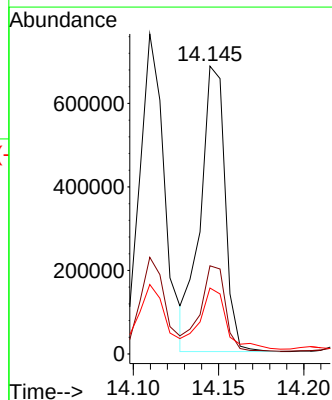
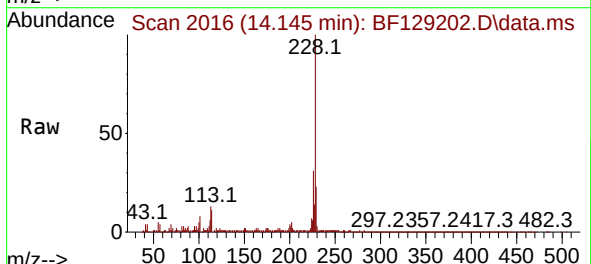
Instrument :
BNA_F
ClientSampleId :
NB-08-070822

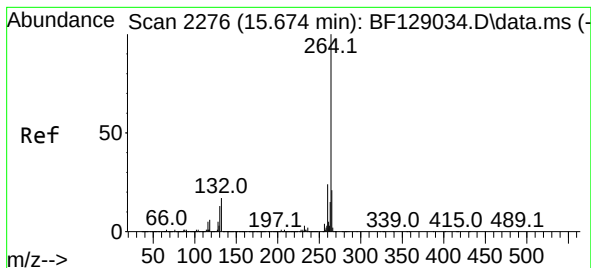
Tgt Ion:228 Resp: 775129
Ion Ratio Lower Upper
228 100
226 30.2 22.1 33.1
229 21.7 15.8 23.8



#83
Chrysene
Concen: 30.445 ng
RT: 14.145 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion:228 Resp: 691120
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

Instrument :

BNA_F

ClientSampleId :

NB-08-070822

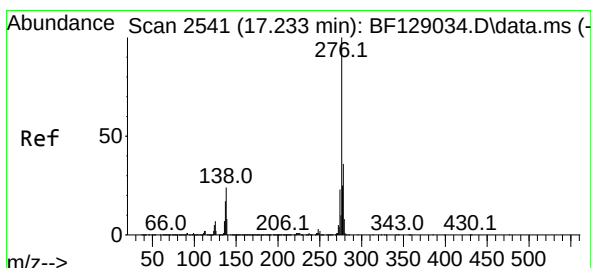
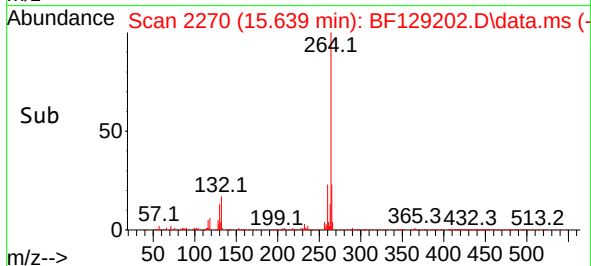
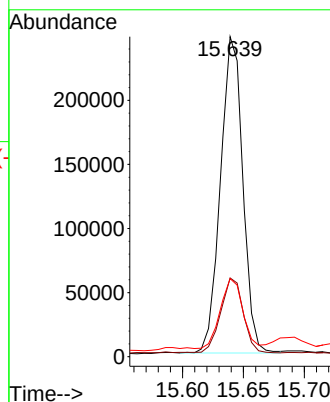
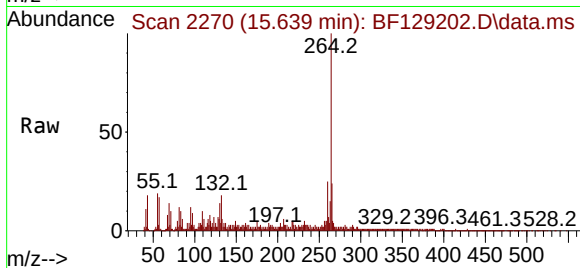
Tgt Ion:264 Resp: 315370

Ion Ratio Lower Upper

264 100

260 24.6 18.4 27.6

265 24.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.136 ng

RT: 17.021 min Scan# 2505

Delta R.T. -0.159 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

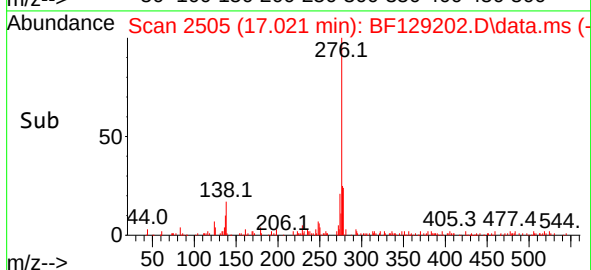
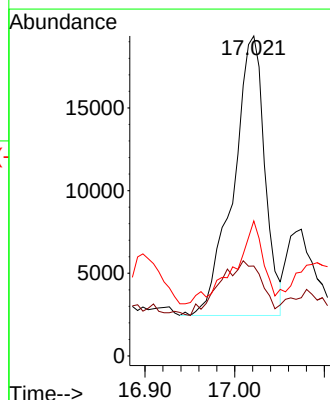
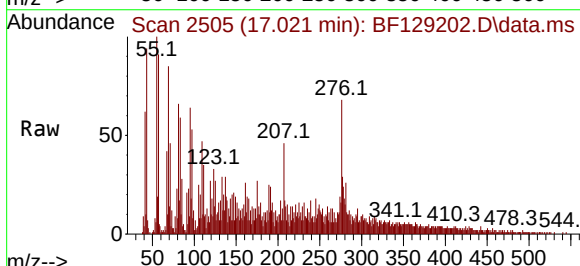
Tgt Ion:276 Resp: 41317

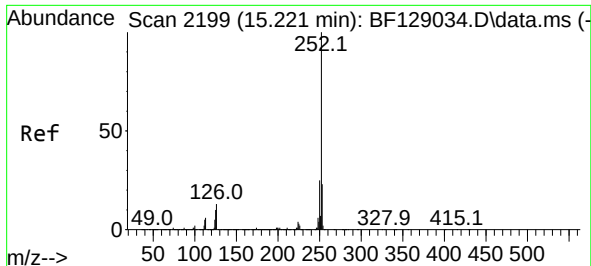
Ion Ratio Lower Upper

276 100

138 25.7 21.1 31.7

277 28.2 20.3 30.5

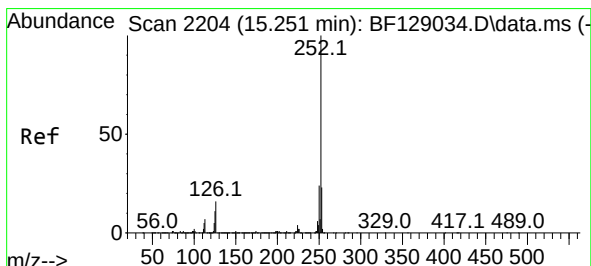
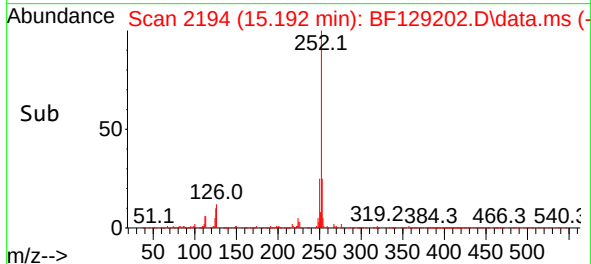
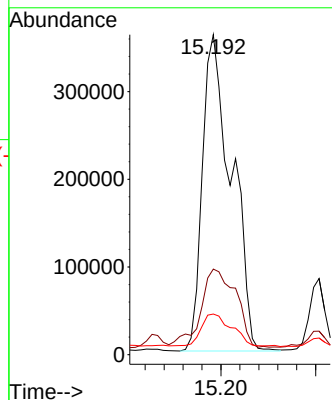
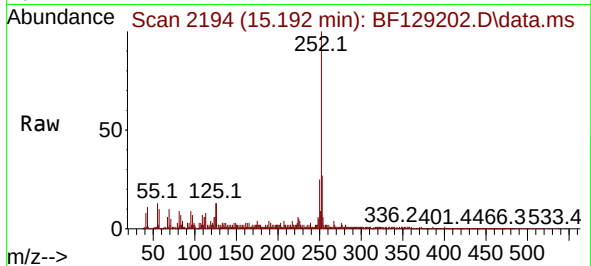




#88
Benzo(b)fluoranthene
Concen: 40.596 ng
RT: 15.192 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

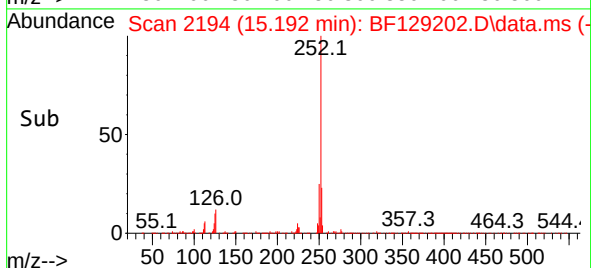
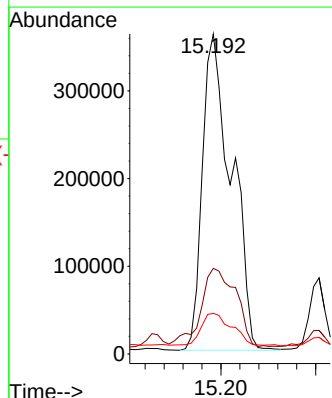
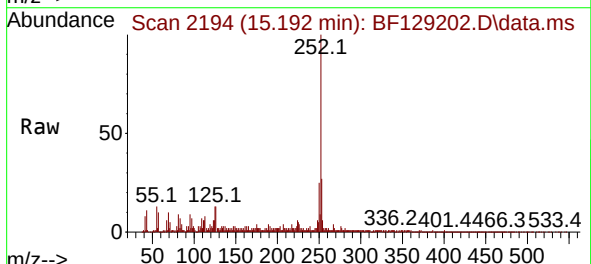
Instrument :
BNA_F
ClientSampleId :
NB-08-070822

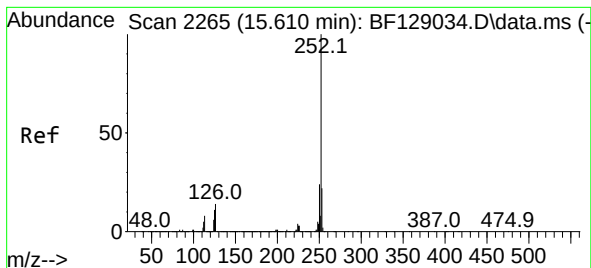
Tgt Ion:252 Resp: 769956
Ion Ratio Lower Upper
252 100
253 26.8 17.7 26.5#
125 12.7 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 41.855 ng
RT: 15.192 min Scan# 2194
Delta R.T. -0.023 min
Lab File: BF129202.D
Acq: 12 Jul 2022 22:06

Tgt Ion:252 Resp: 769956
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.6#
125 12.7 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 27.715 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

Instrument :

BNA_F

ClientSampleId :

NB-08-070822

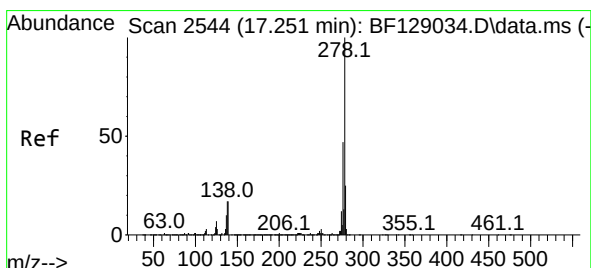
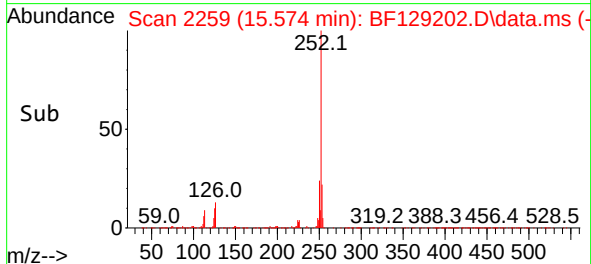
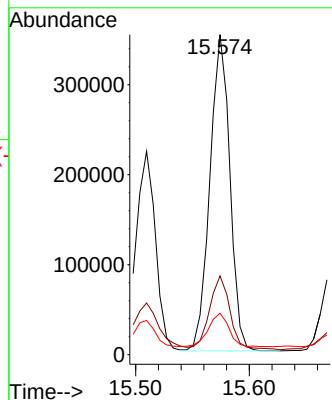
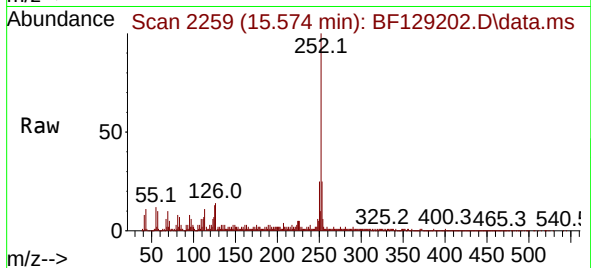
Tgt Ion:252 Resp: 428508

Ion Ratio Lower Upper

252 100

253 24.6 17.0 25.6

125 12.9 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 3.575 ng

RT: 17.198 min Scan# 2535

Delta R.T. 0.000 min

Lab File: BF129202.D

Acq: 12 Jul 2022 22:06

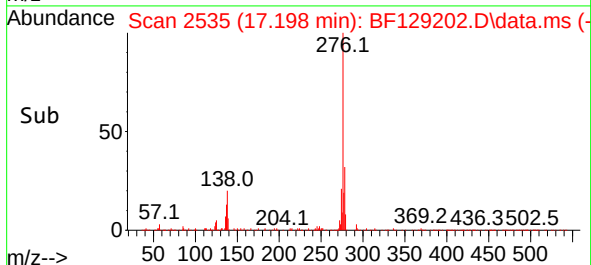
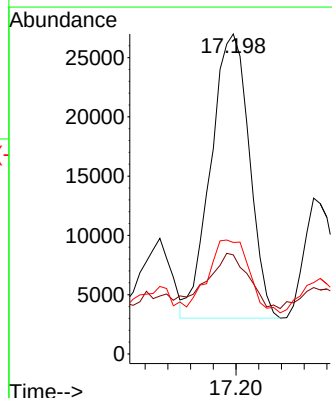
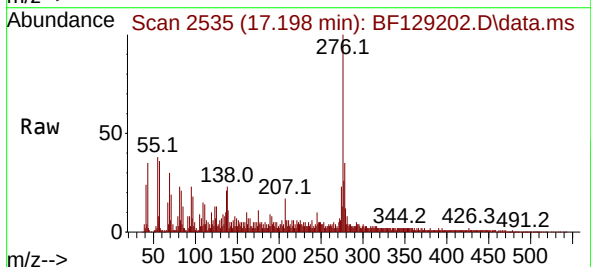
Tgt Ion:278 Resp: 56369

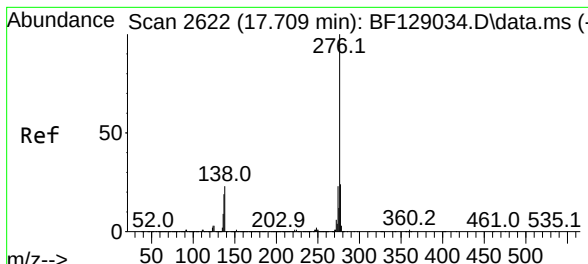
Ion Ratio Lower Upper

278 100

139 31.0 12.8 19.2#

279 34.9 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 13.389 ng
 RT: 17.662 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF129202.D
 Acq: 12 Jul 2022 22:06

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-070822

Tgt Ion:276 Resp: 211811

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.1	28.7
138	21.8	18.0	27.0

