

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070822\
 Data File : BF129177.D
 Acq On : 08 Jul 2022 16:09
 Operator : CG\JU
 Sample : N3622-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20220498A-SIM-C4A-COMPOSITE

Quant Time: Jul 08 23:24:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 23:22:06 2022
 Response via : Initial Calibration

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

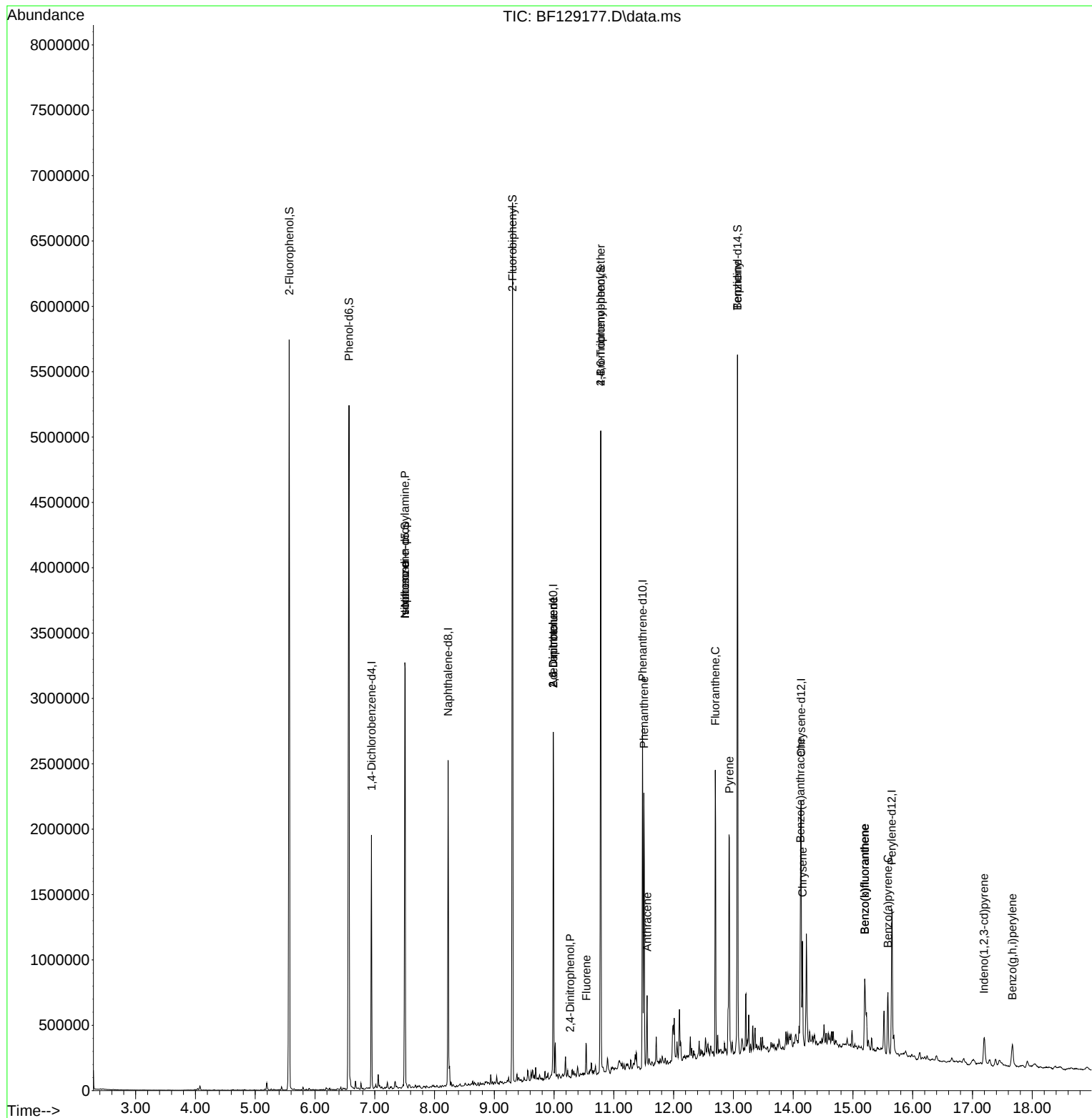
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	266089	20.000	ng	0.00
21) Naphthalene-d8	8.227	136	1023731	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	521898	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	921609	20.000	ng	0.00
76) Chrysene-d12	14.133	240	557993	20.000	ng	0.00
86) Perylene-d12	15.651	264	514458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1594055	101.280	ng	0.00
7) Phenol-d6	6.569	99	1990963	101.853	ng	0.00
23) Nitrobenzene-d5	7.504	82	1161963	67.700	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	591381	104.211	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1945024	59.621	ng	0.00
79) Terphenyl-d14	13.068	244	1737572	64.666	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.498	77	600	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.504	70	152076	13.449	ng	# 73
25) Isophorone	7.504	82	1162638	40.082	ng	# 65
51) 2,6-Dinitrotoluene	9.986	165	68975	10.338	ng	# 26
54) 2,4-Dinitrophenol	10.269	184	278	6.937	ng	# 82
57) 2,4-Dinitrotoluene	9.986	165	68975	8.374	ng	# 21
58) Fluorene	10.539	166	67480	2.089	ng	95
67) 4-Bromophenyl-phenylether	10.780	248	35634	3.635	ng	# 1
71) Phenanthrene	11.504	178	710902	16.144	ng	100
72) Anthracene	11.557	178	194393	4.478	ng	98
75) Fluoranthene	12.698	202	825040	17.916	ng	98
77) Benzidine	13.068	184	23312	2.346	ng	# 91
78) Pyrene	12.933	202	741048	19.160	ng	98
81) Benzo(a)anthracene	14.121	228	337999	9.921	ng	98
83) Chrysene	14.157	228	272038	8.601	ng	97
87) Indeno(1,2,3-cd)pyrene	17.192	276	147159	4.664	ng	97
88) Benzo(b)fluoranthene	15.198	252	432447	13.977	ng	# 97
89) Benzo(k)fluoranthene	15.198	252	432447	14.411	ng	98
90) Benzo(a)pyrene	15.586	252	237968	9.435	ng	97
92) Benzo(g,h,i)perylene	17.668	276	142451	5.520	ng	99

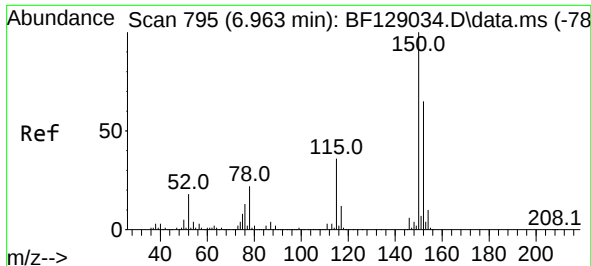
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 08 23:22:06 2022
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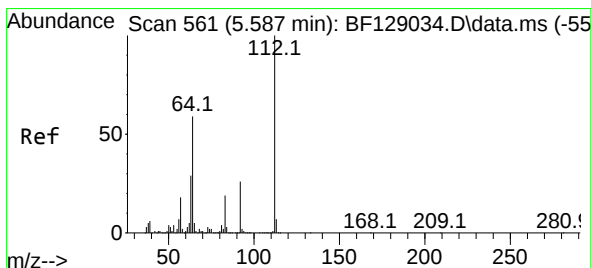
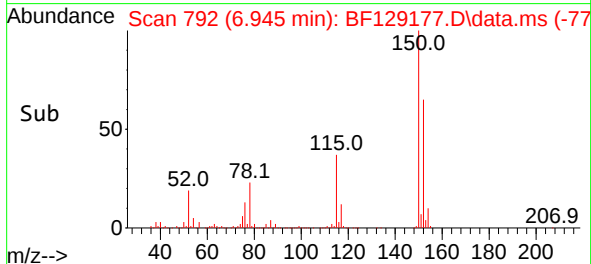
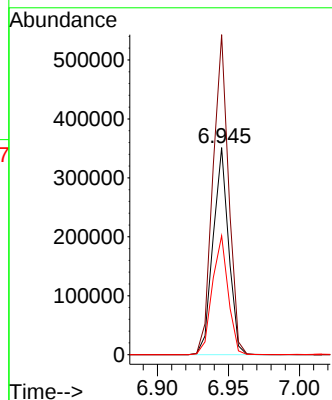
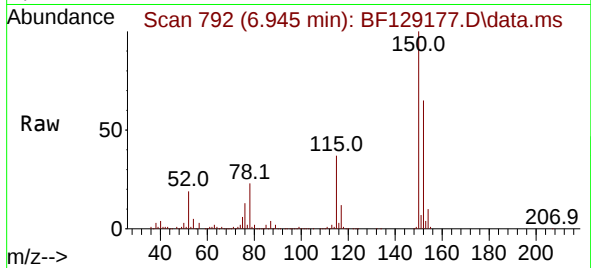




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

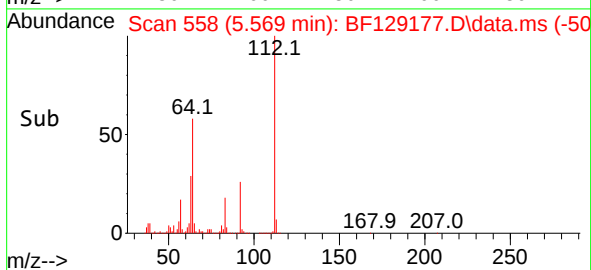
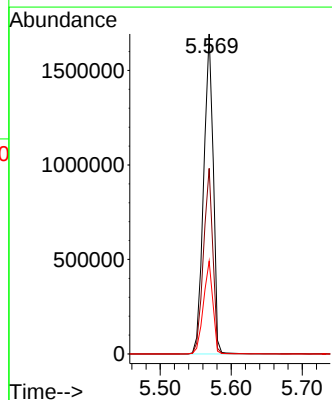
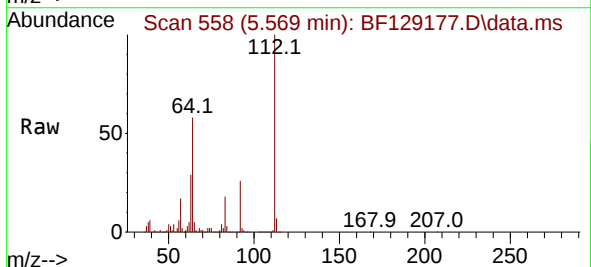
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BNA_F
ClientSampleId :
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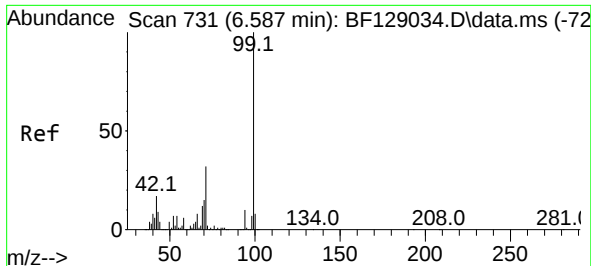
Tgt Ion:152 Resp: 266089
Ion Ratio Lower Upper
152 100
150 154.6 123.7 185.5
115 57.4 49.9 74.9



#5
2-Fluorophenol
Concen: 101.280 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

Tgt Ion:112 Resp: 1594055
Ion Ratio Lower Upper
112 100
64 58.0 53.3 79.9
63 29.0 28.0 42.0

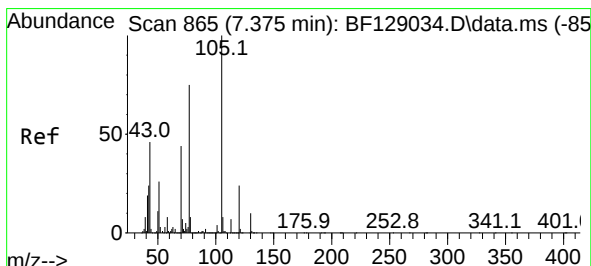
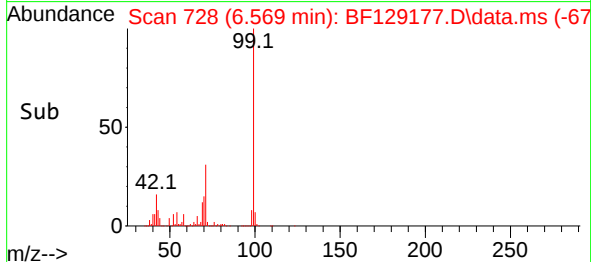
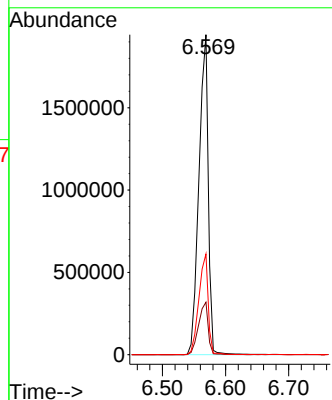
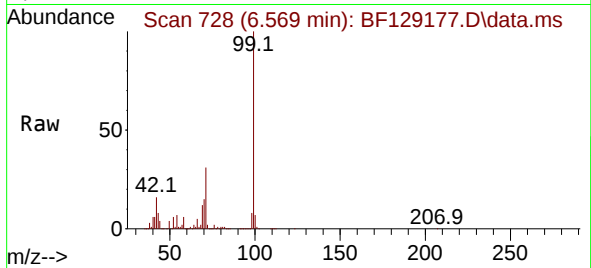




#7
Phenol-d6
Concen: 101.853 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

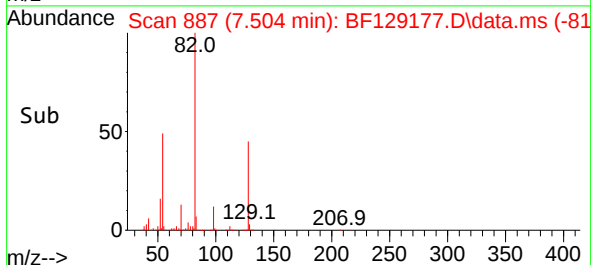
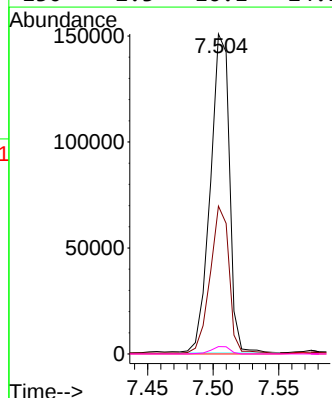
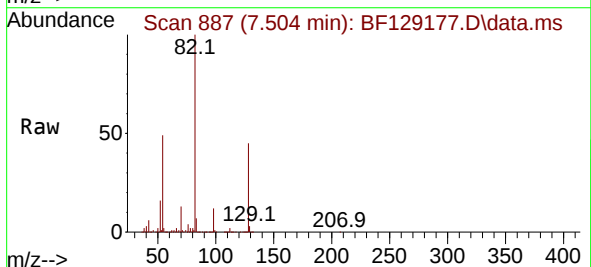
Instrument :
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ClientSampleId :
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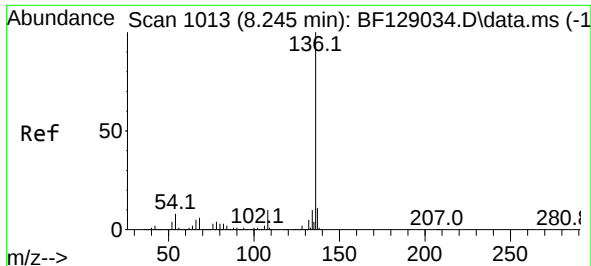
Tgt Ion: 99 Resp: 1990963
Ion Ratio Lower Upper
99 100
42 16.4 17.3 25.9#
71 31.5 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.449 ng
RT: 7.504 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

Tgt Ion: 70 Resp: 152076
Ion Ratio Lower Upper
70 100
42 46.2 52.3 78.5#
101 0.0 7.5 11.3#
130 2.3 16.1 24.1#

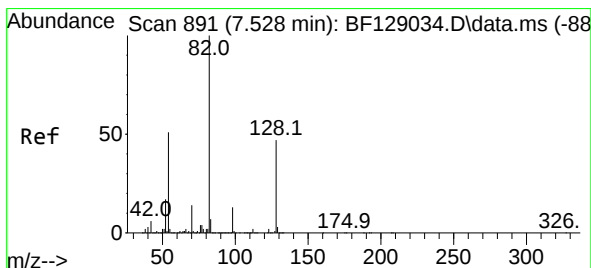
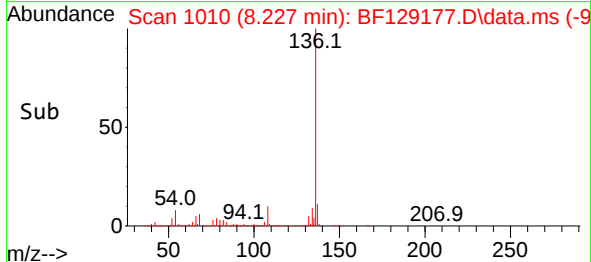
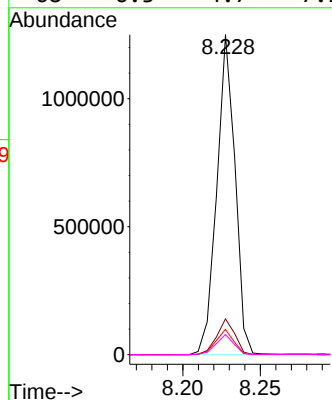
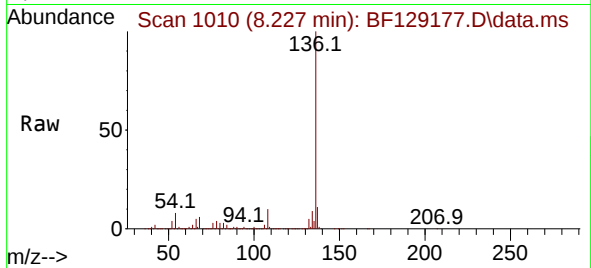




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.227 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

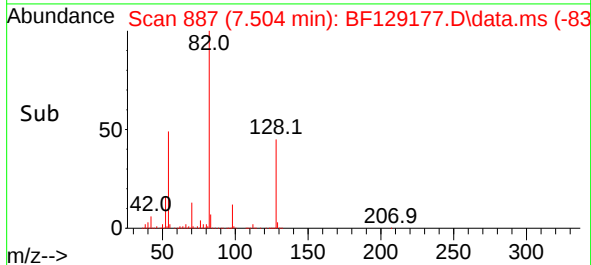
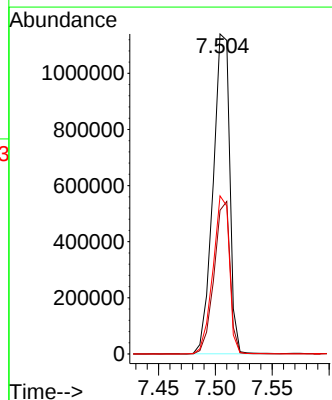
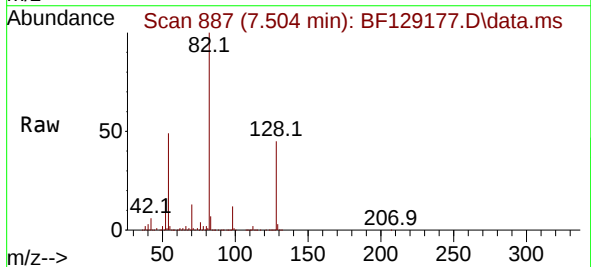
Instrument :
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ClientSampleId :
20220498A-SIM-C4A-COMPOSITE

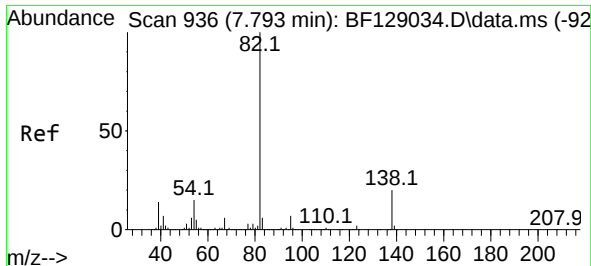
Tgt Ion:136 Resp: 1023731
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.9 7.5 11.3
68 6.3 4.7 7.1



#23
Nitrobenzene-d5
Concen: 67.700 ng
RT: 7.504 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

Tgt Ion: 82 Resp: 1161963
Ion Ratio Lower Upper
82 100
128 44.9 34.0 51.0
54 49.4 46.9 70.3

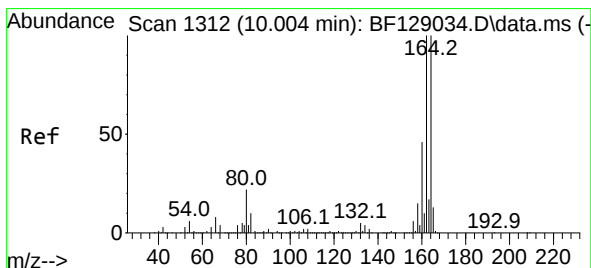
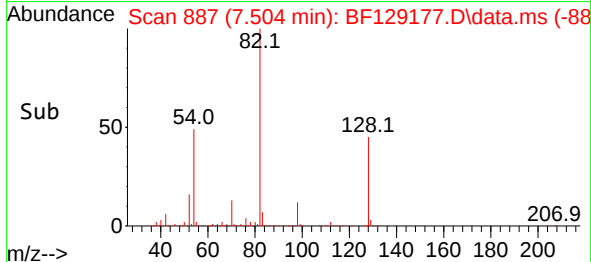
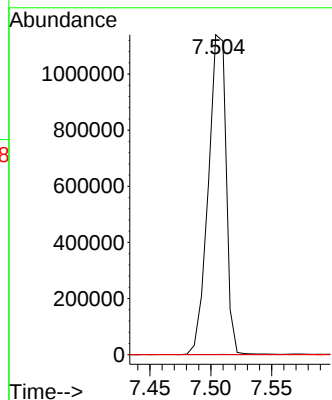
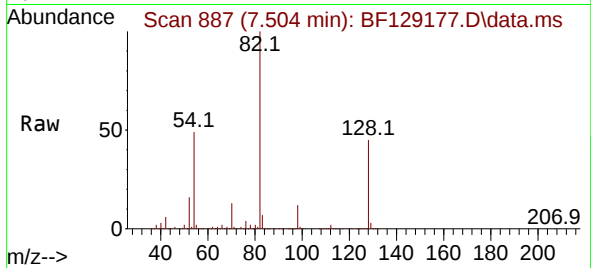




#25
Isophorone
Concen: 40.082 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

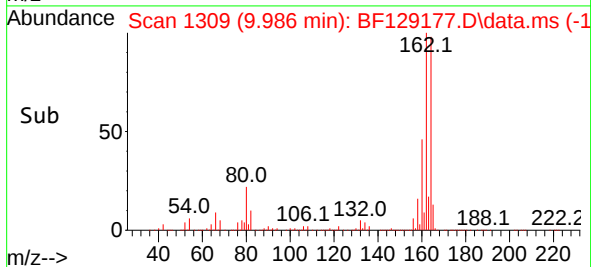
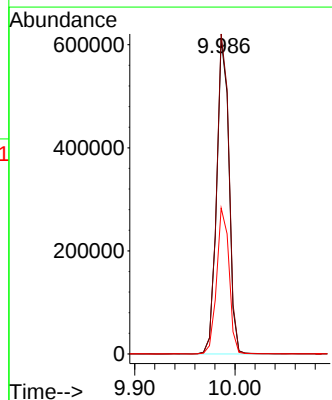
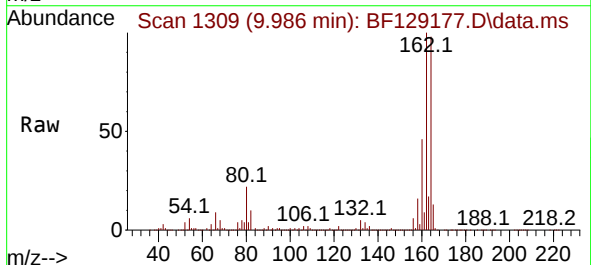
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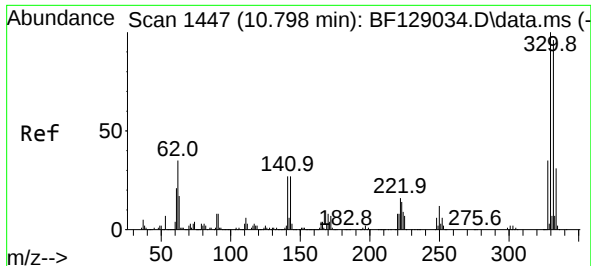
Tgt Ion: 82 Resp: 1162638
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

Tgt Ion: 164 Resp: 521898
Ion Ratio Lower Upper
164 100
162 101.6 79.5 119.3
160 46.3 34.2 51.4

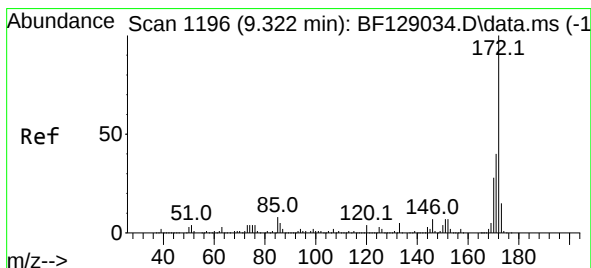
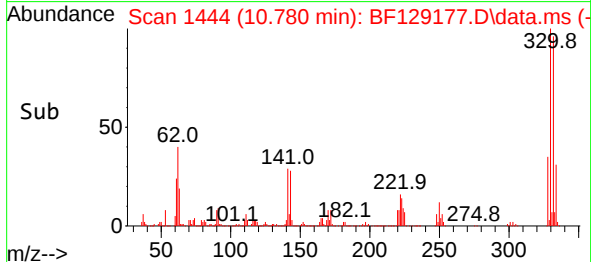
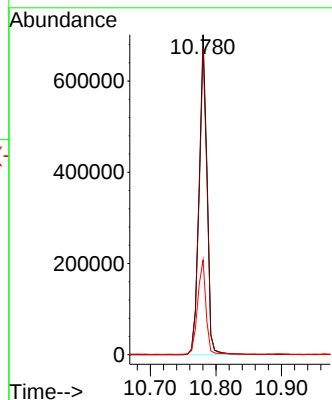
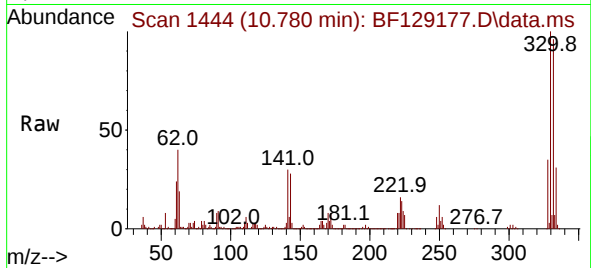




#42
2,4,6-Tribromophenol
Concen: 104.211 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

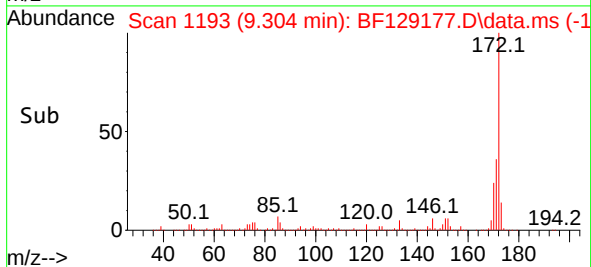
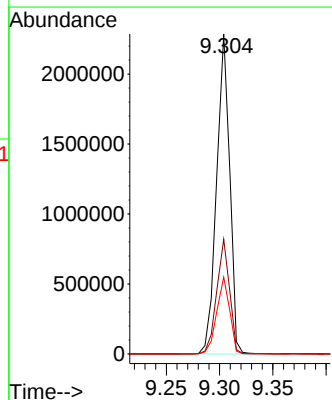
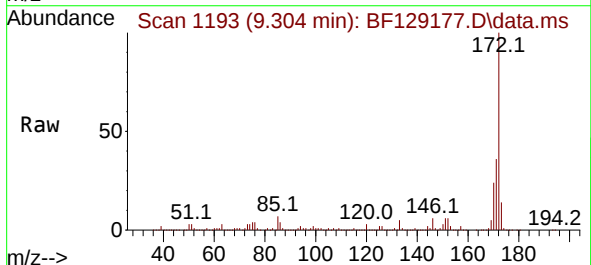
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ClientSampleId :
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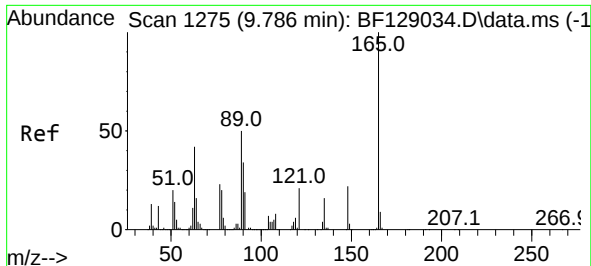
Tgt Ion:330 Resp: 591381
Ion Ratio Lower Upper
330 100
332 95.8 76.8 115.2
141 30.9 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 59.621 ng
RT: 9.304 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

Tgt Ion:172 Resp: 1945024
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.0 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 10.338 ng

RT: 9.986 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF129177.D

Acq: 08 Jul 2022 16:09

Instrument :

BNA_F

ClientSampleId :

20220498A-SIM-C4A-COMPOSITE

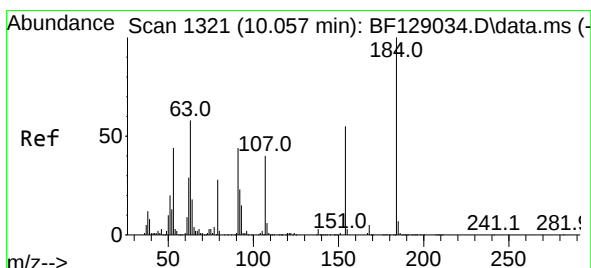
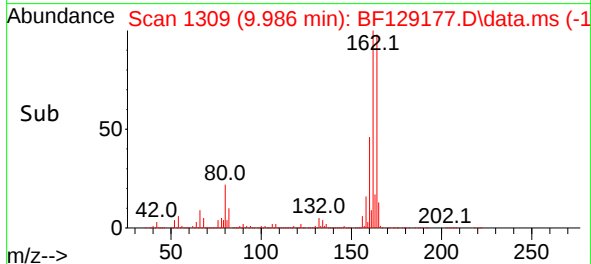
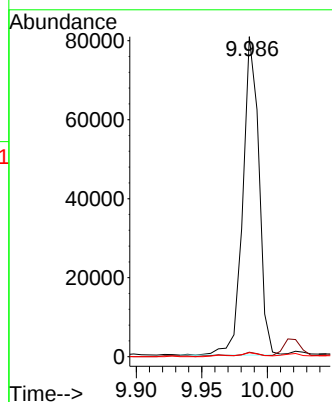
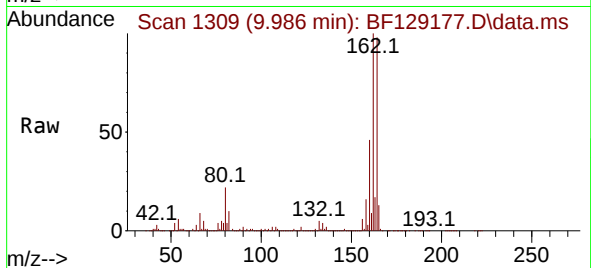
Tgt Ion:165 Resp: 68975

Ion Ratio Lower Upper

165 100

63 1.4 44.9 67.3#

89 1.2 43.6 65.4#



#54

2,4-Dinitrophenol

Concen: 6.937 ng

RT: 10.269 min Scan# 1357

Delta R.T. 0.218 min

Lab File: BF129177.D

Acq: 08 Jul 2022 16:09

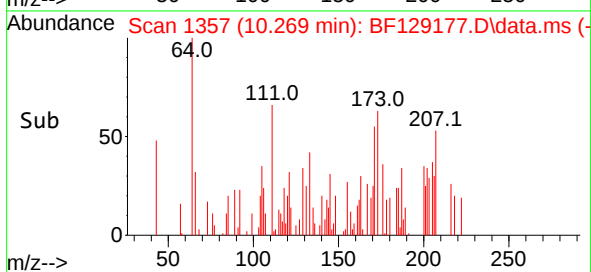
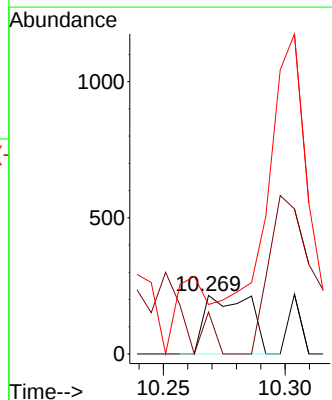
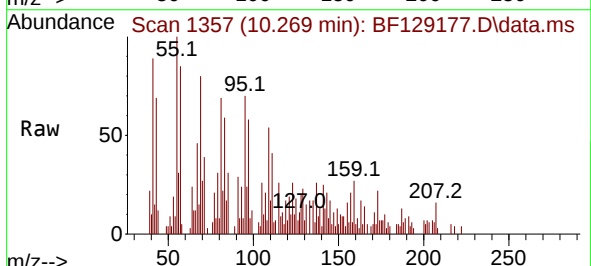
Tgt Ion:184 Resp: 278

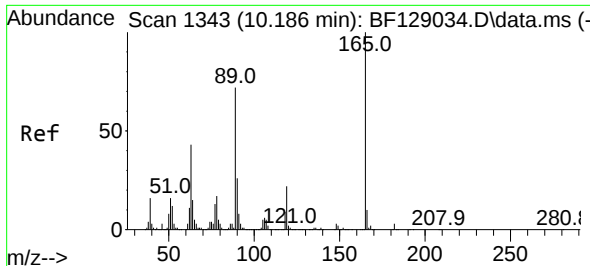
Ion Ratio Lower Upper

184 100

63 71.6 64.5 96.7

154 84.7 50.6 75.8#

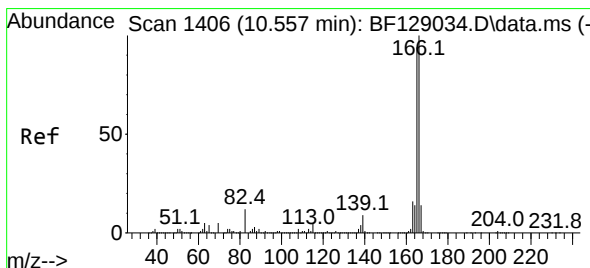
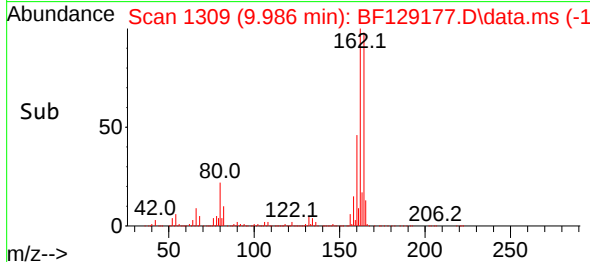
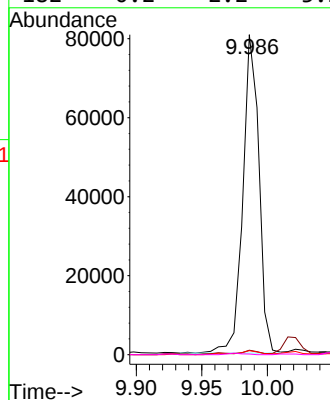
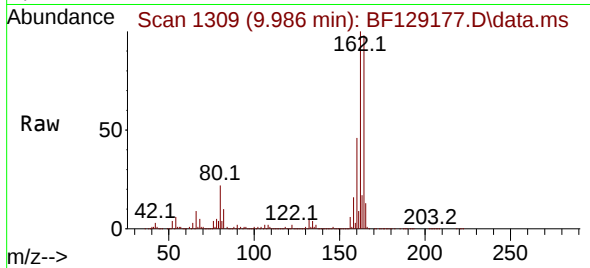




#57
2,4-Dinitrotoluene
Concen: 8.374 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

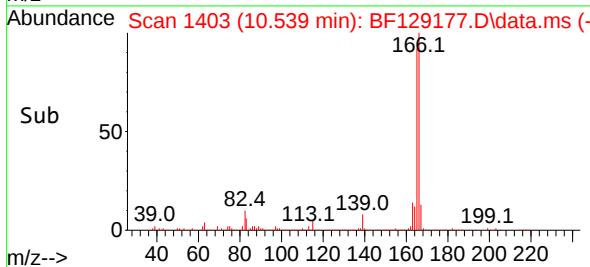
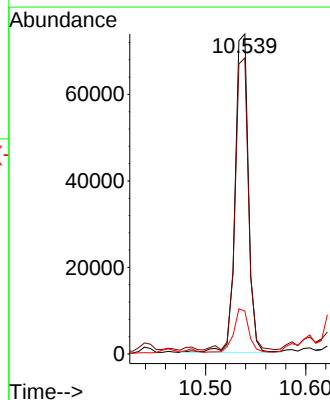
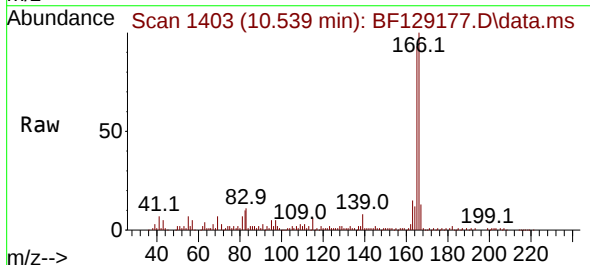
Instrument :
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20220498A-SIM-C4A-COMPOSITE

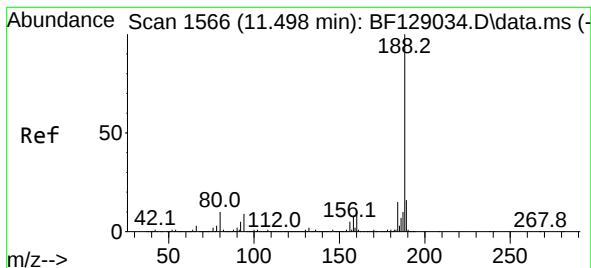
Tgt Ion:165 Resp: 68975
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.2 60.2 90.2#
182 0.2 2.2 3.2#



#58
Fluorene
Concen: 2.089 ng
RT: 10.539 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

Tgt Ion:166 Resp: 67480
Ion Ratio Lower Upper
166 100
165 92.5 78.1 117.1
167 13.4 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129177.D

Acq: 08 Jul 2022 16:09

Instrument :

BNA_F

ClientSampleId :

20220498A-SIM-C4A-COMPOSITE

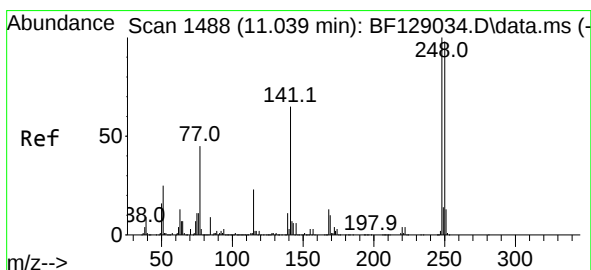
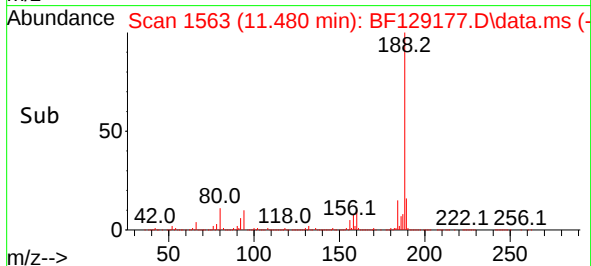
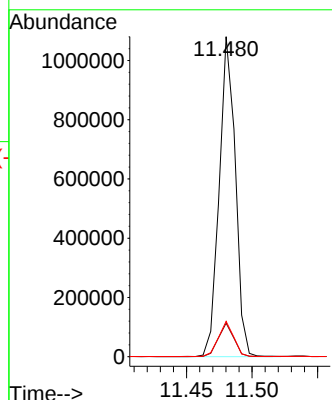
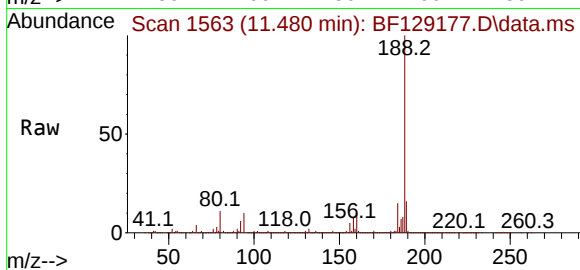
Tgt Ion:188 Resp: 921609

Ion Ratio Lower Upper

188 100

94 10.5 7.0 10.6

80 11.1 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 3.635 ng

RT: 10.780 min Scan# 1444

Delta R.T. -0.247 min

Lab File: BF129177.D

Acq: 08 Jul 2022 16:09

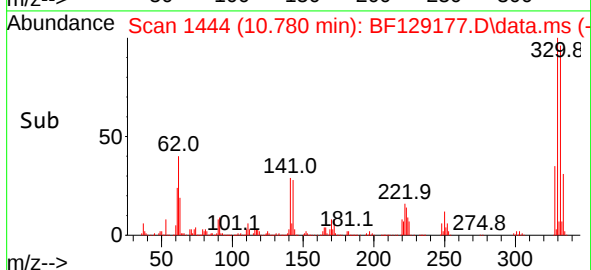
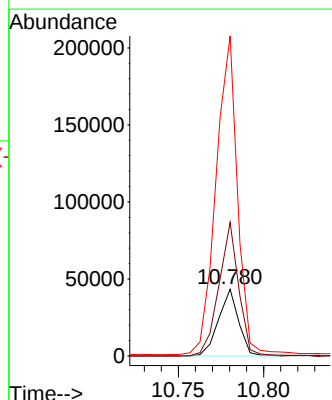
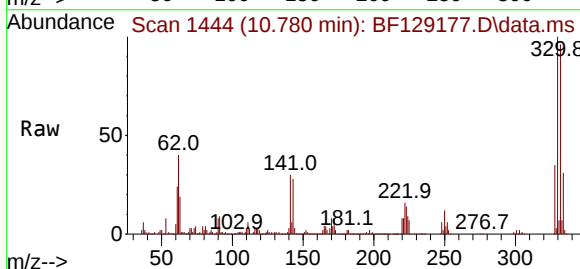
Tgt Ion:248 Resp: 35634

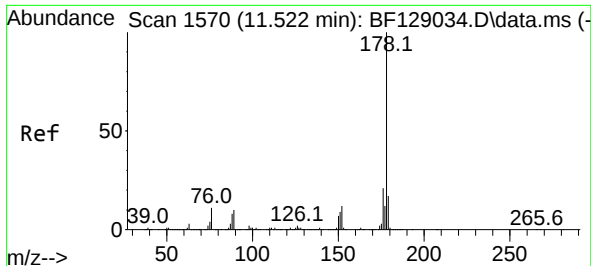
Ion Ratio Lower Upper

248 100

250 200.4 80.6 120.8#

141 479.7 58.9 88.3#

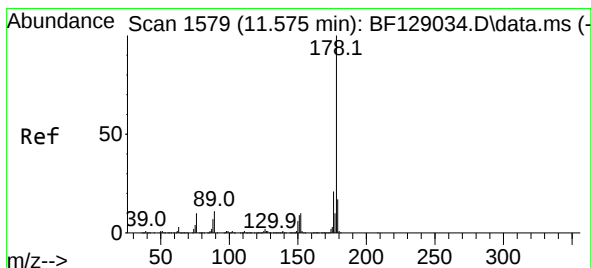
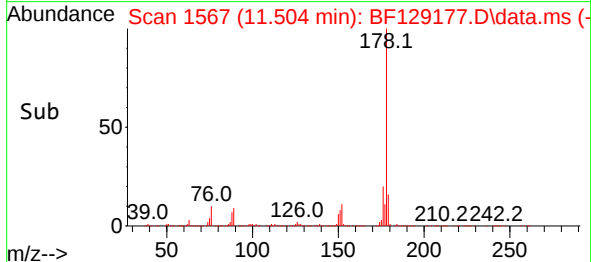
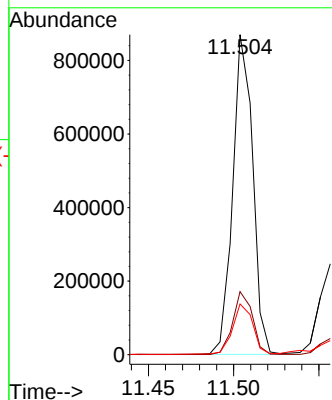
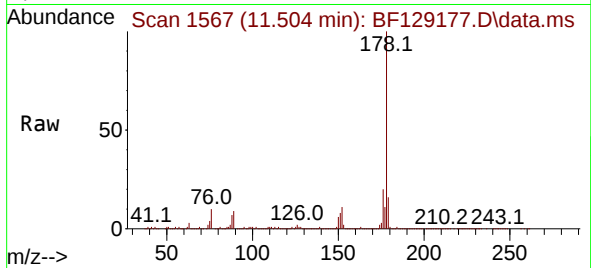




#71
Phenanthrene
Concen: 16.144 ng
RT: 11.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

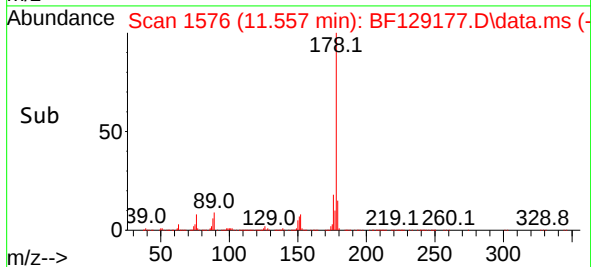
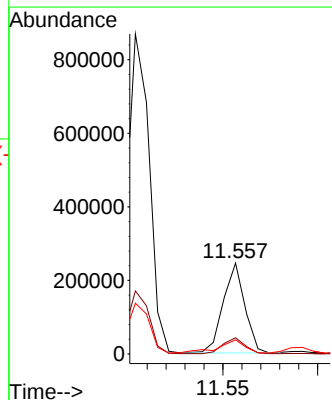
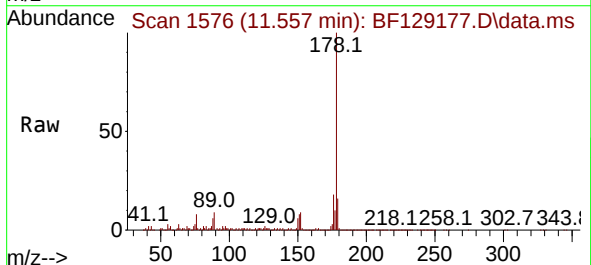
Instrument :
BNA_F
ClientSampleId :
20220498A-SIM-C4A-COMPOSITE

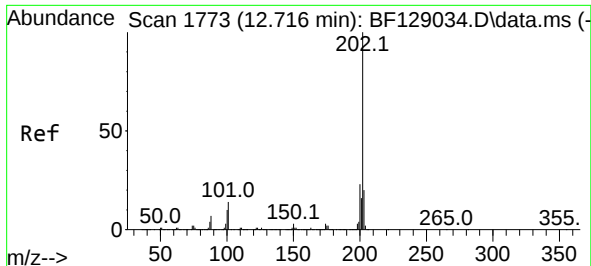
Tgt Ion:178 Resp: 710902
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.9 12.6 19.0



#72
Anthracene
Concen: 4.478 ng
RT: 11.557 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

Tgt Ion:178 Resp: 194393
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 15.5 12.6 19.0

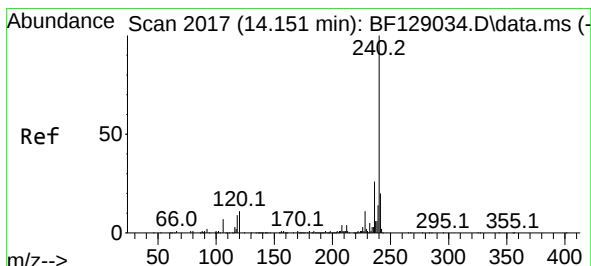
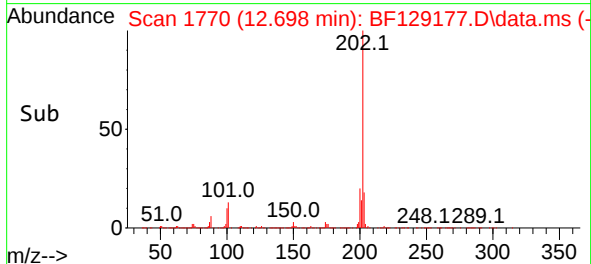
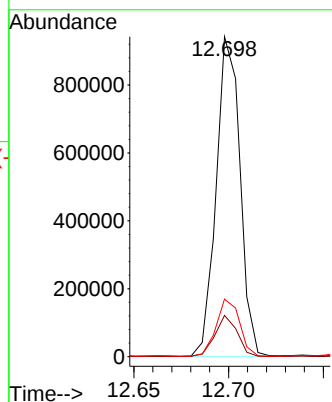
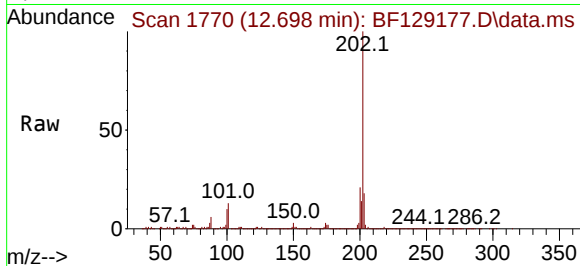




#75
Fluoranthene
Concen: 17.916 ng
RT: 12.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

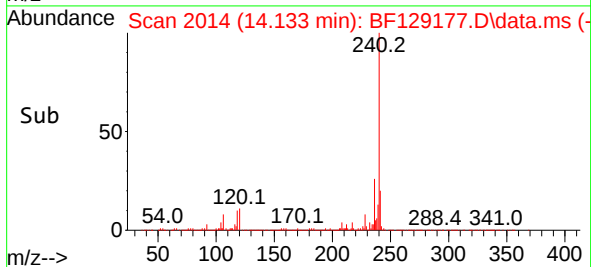
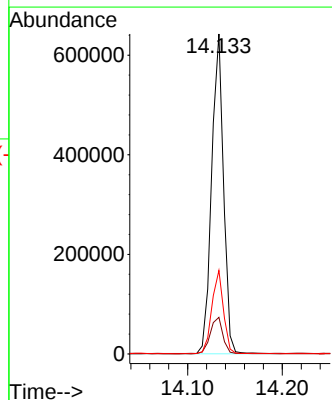
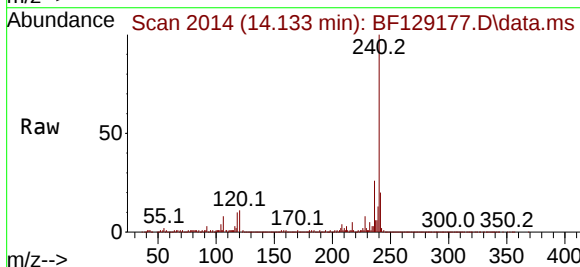
Instrument :
BNA_F
ClientSampleId :
20220498A-SIM-C4A-COMPOSITE

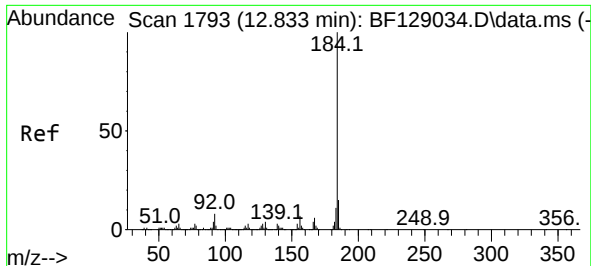
Tgt Ion:202 Resp: 825040
Ion Ratio Lower Upper
202 100
101 12.9 0.0 31.4
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

Tgt Ion:240 Resp: 557993
Ion Ratio Lower Upper
240 100
120 11.5 8.9 13.3
236 26.1 20.8 31.2

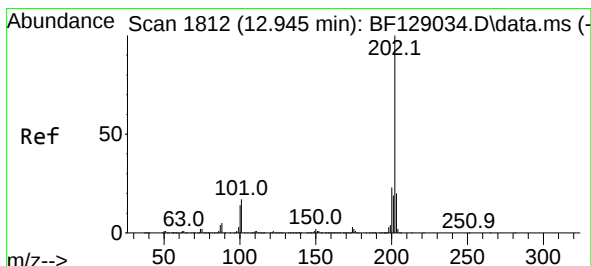
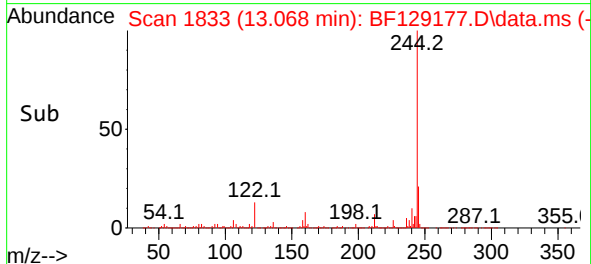
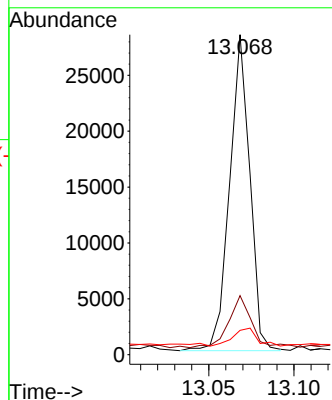
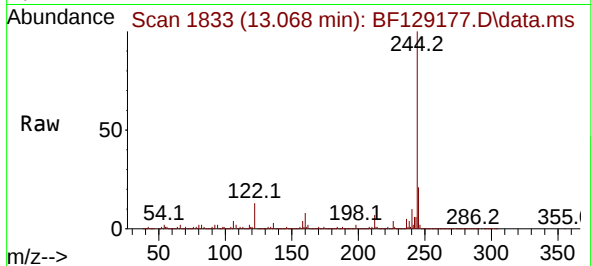




#77
Benzidine
Concen: 2.346 ng
RT: 13.068 min Scan# 11
Delta R.T. 0.247 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

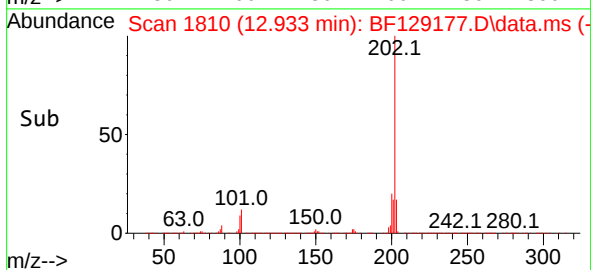
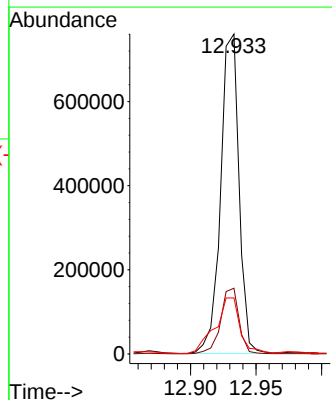
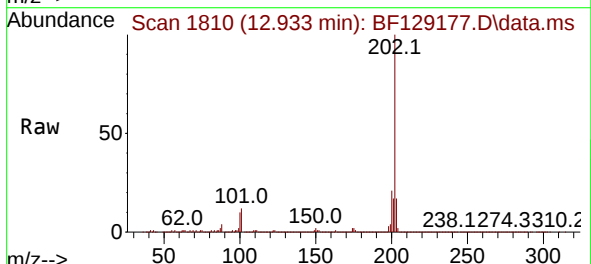
Instrument :
BNA_F
ClientSampleId :
20220498A-SIM-C4A-COMPOSITE

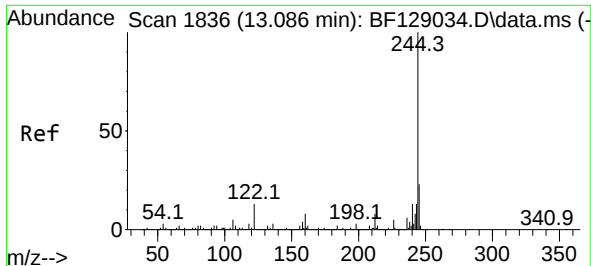
Tgt Ion:184 Resp: 23312
Ion Ratio Lower Upper
184 100
185 18.4 11.9 17.9#
183 7.6 9.3 13.9#



#78
Pyrene
Concen: 19.160 ng
RT: 12.933 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

Tgt Ion:202 Resp: 741048
Ion Ratio Lower Upper
202 100
200 20.5 17.7 26.5
203 17.5 14.6 21.8

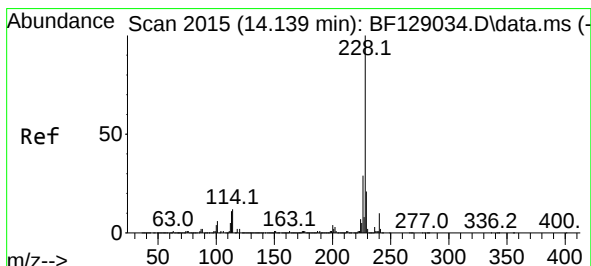
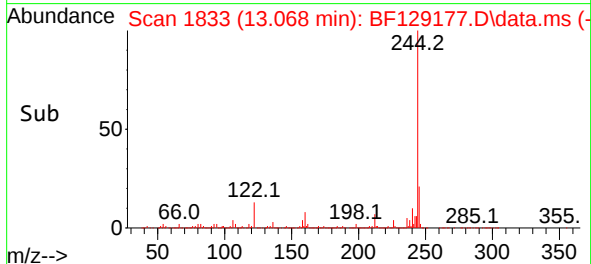
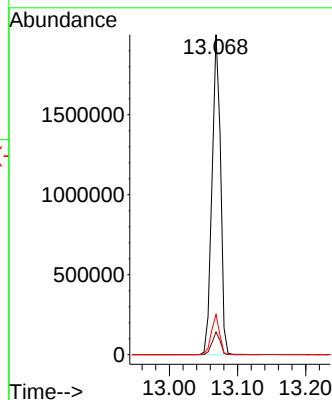
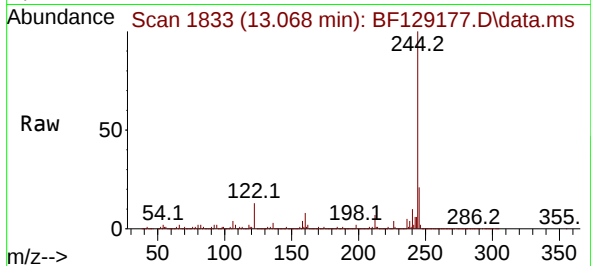




#79
 Terphenyl-d14
 Concen: 64.666 ng
 RT: 13.068 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129177.D
 Acq: 08 Jul 2022 16:09

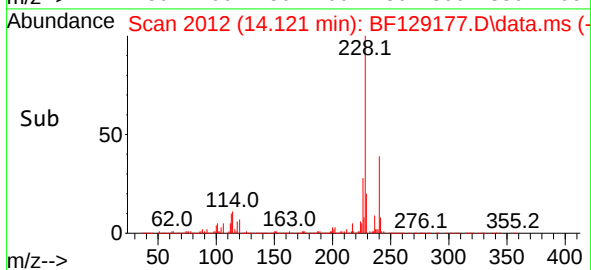
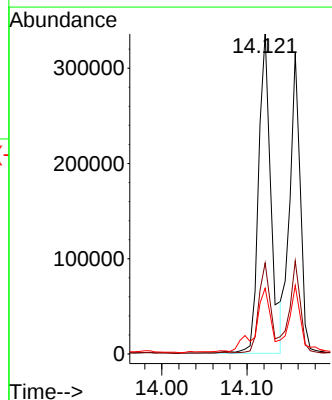
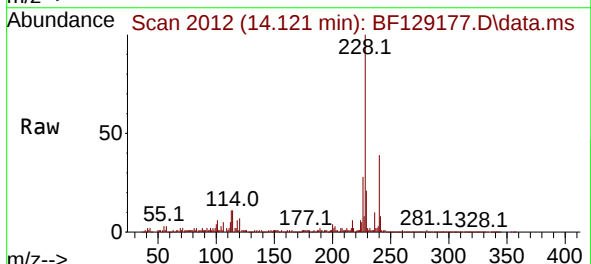
Instrument :
 BNA_F
 ClientSampleId :
 20220498A-SIM-C4A-COMPOSITE

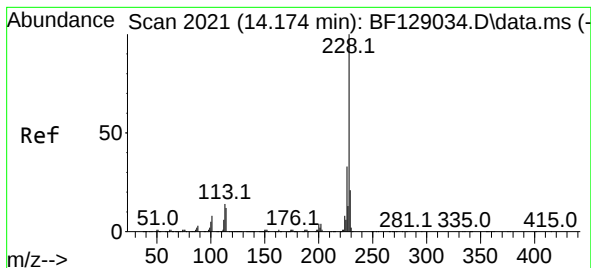
Tgt Ion:244 Resp: 1737572
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 12.5 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 9.921 ng
 RT: 14.121 min Scan# 2012
 Delta R.T. -0.006 min
 Lab File: BF129177.D
 Acq: 08 Jul 2022 16:09

Tgt Ion:228 Resp: 337999
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.1 33.1
 229 20.6 15.8 23.8





#83

Chrysene

Concen: 8.601 ng

RT: 14.157 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129177.D

Acq: 08 Jul 2022 16:09

Instrument :

BNA_F

ClientSampleId :

20220498A-SIM-C4A-COMPOSITE

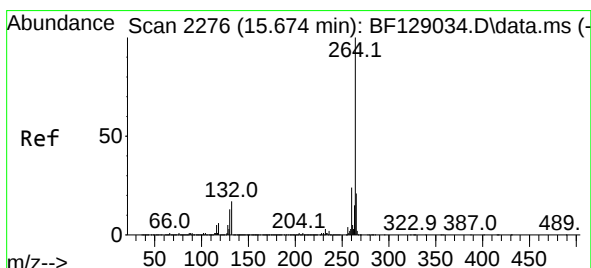
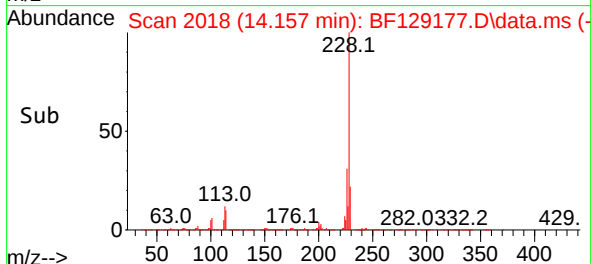
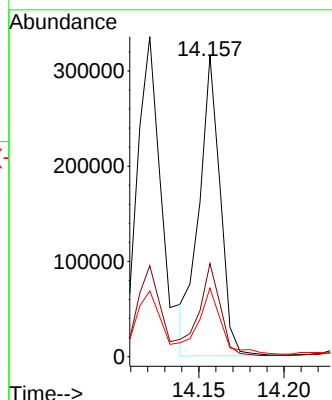
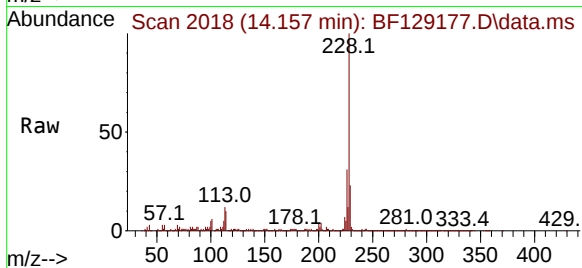
Tgt Ion:228 Resp: 272038

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

229 22.8 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF129177.D

Acq: 08 Jul 2022 16:09

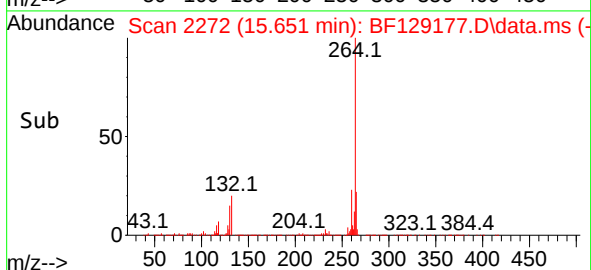
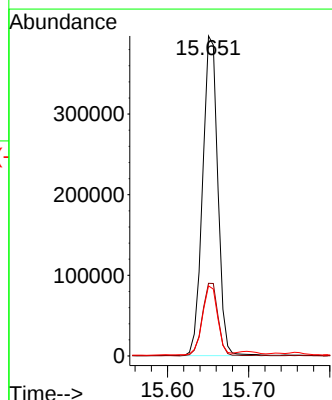
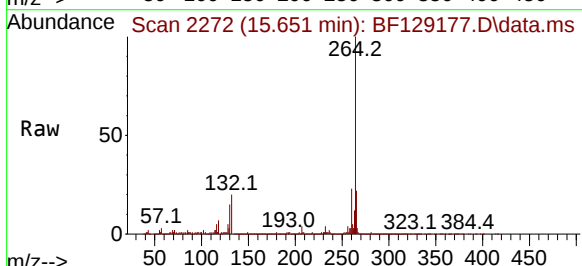
Tgt Ion:264 Resp: 514458

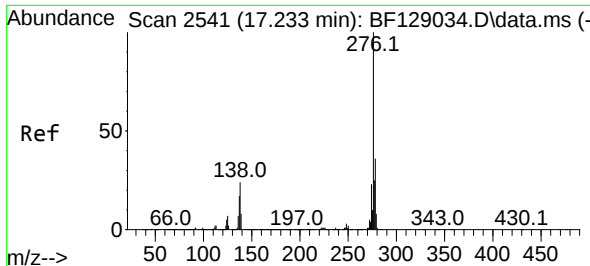
Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 21.9 17.2 25.8

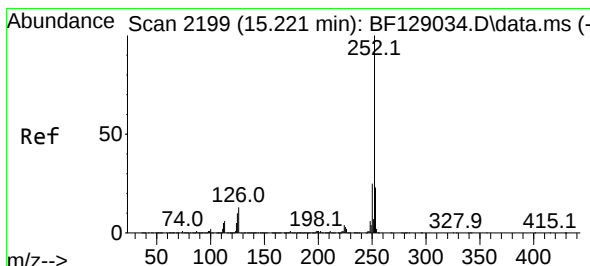
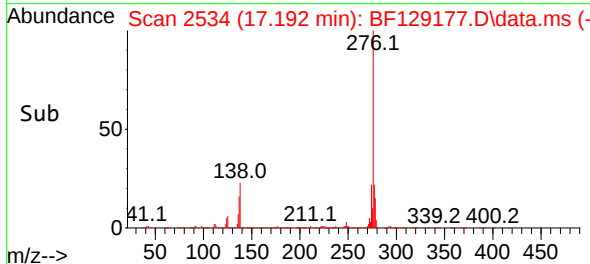
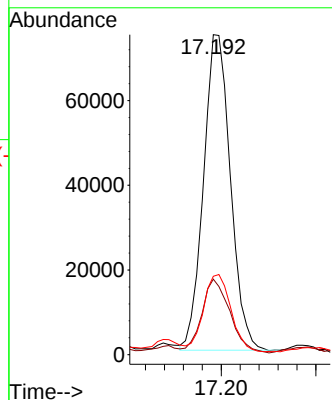
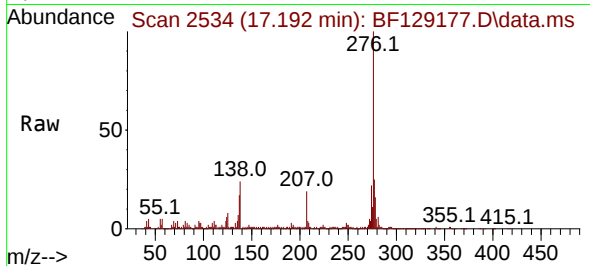




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.664 ng
RT: 17.192 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

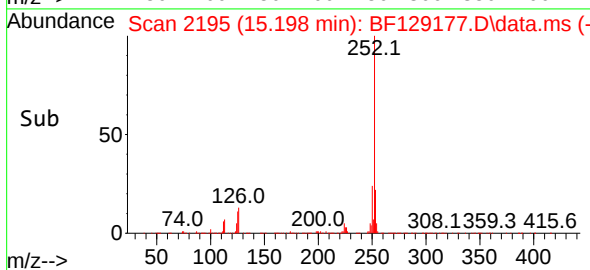
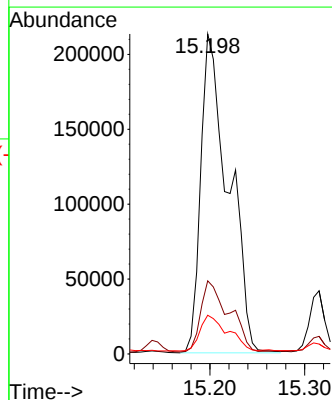
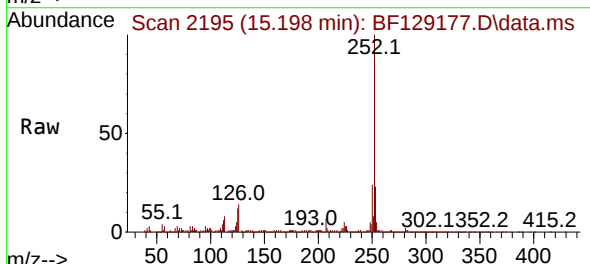
Instrument : BNA_F
ClientSampleId : 20220498A-SIM-C4A-COMPOSITE

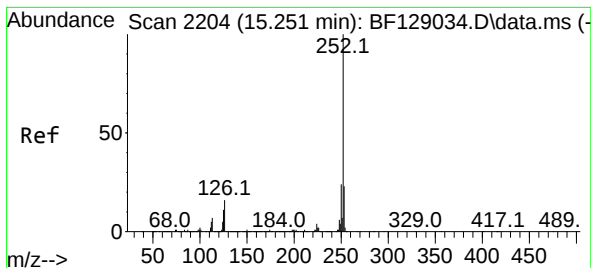
Tgt Ion:276 Resp: 147159
Ion Ratio Lower Upper
276 100
138 24.5 21.1 31.7
277 24.7 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 13.977 ng
RT: 15.198 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF129177.D
Acq: 08 Jul 2022 16:09

Tgt Ion:252 Resp: 432447
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.1 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 14.411 ng

RT: 15.198 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF129177.D

Acq: 08 Jul 2022 16:09

Instrument :

BNA_F

ClientSampleId :

20220498A-SIM-C4A-COMPOSITE

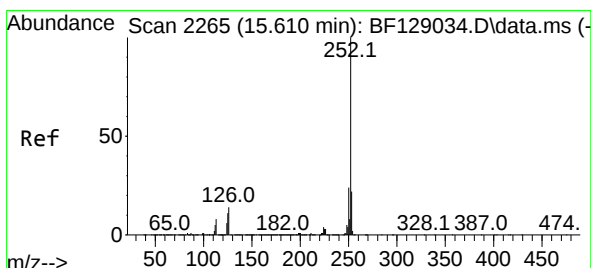
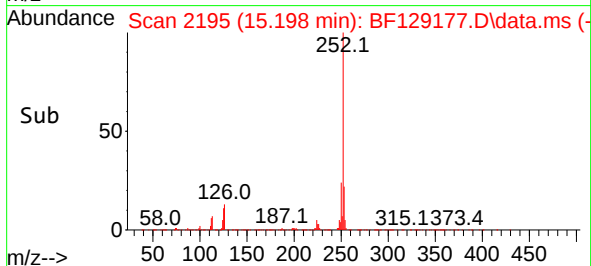
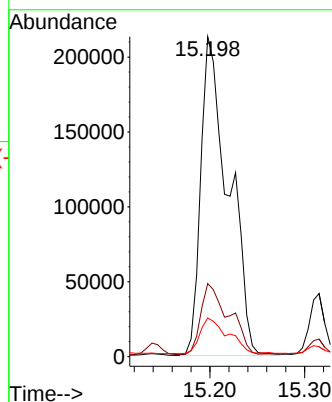
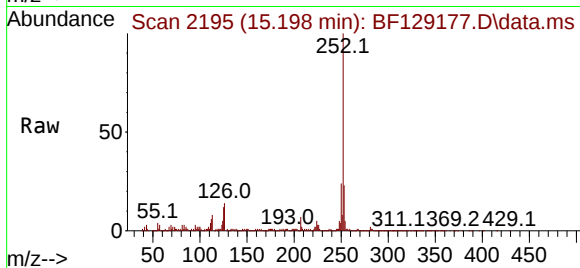
Tgt Ion:252 Resp: 432447

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 12.1 8.3 12.5



#90

Benzo(a)pyrene

Concen: 9.435 ng

RT: 15.586 min Scan# 2261

Delta R.T. -0.006 min

Lab File: BF129177.D

Acq: 08 Jul 2022 16:09

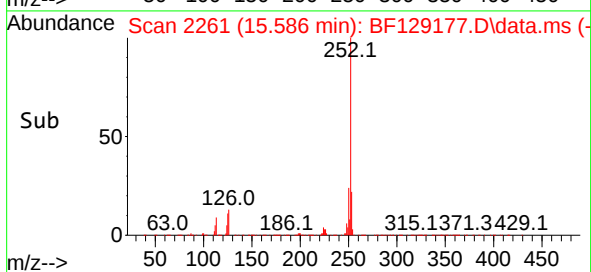
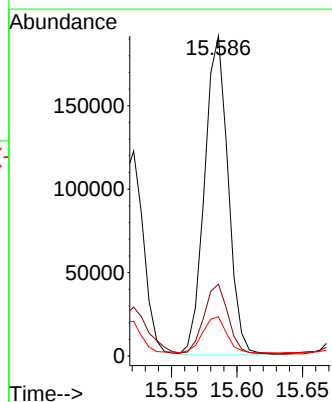
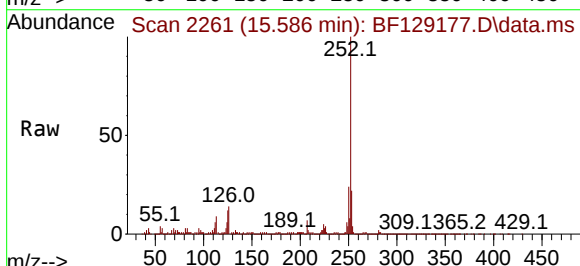
Tgt Ion:252 Resp: 237968

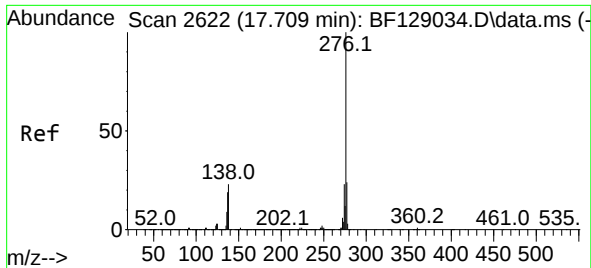
Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 12.3 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.520 ng
 RT: 17.668 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF129177.D
 Acq: 08 Jul 2022 16:09

Instrument :
 BNA_F
 ClientSampleId :
 20220498A-SIM-C4A-COMPOSITE

Tgt Ion:276 Resp: 142451
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.1 28.7
 138 22.9 18.0 27.0

