

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
 Data File : BF129252.D
 Acq On : 15 Jul 2022 22:35
 Operator : CG\JU
 Sample : N3730-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Quant Time: Jul 16 01:43:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 12:55:49 2022
 Response via : Initial Calibration

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

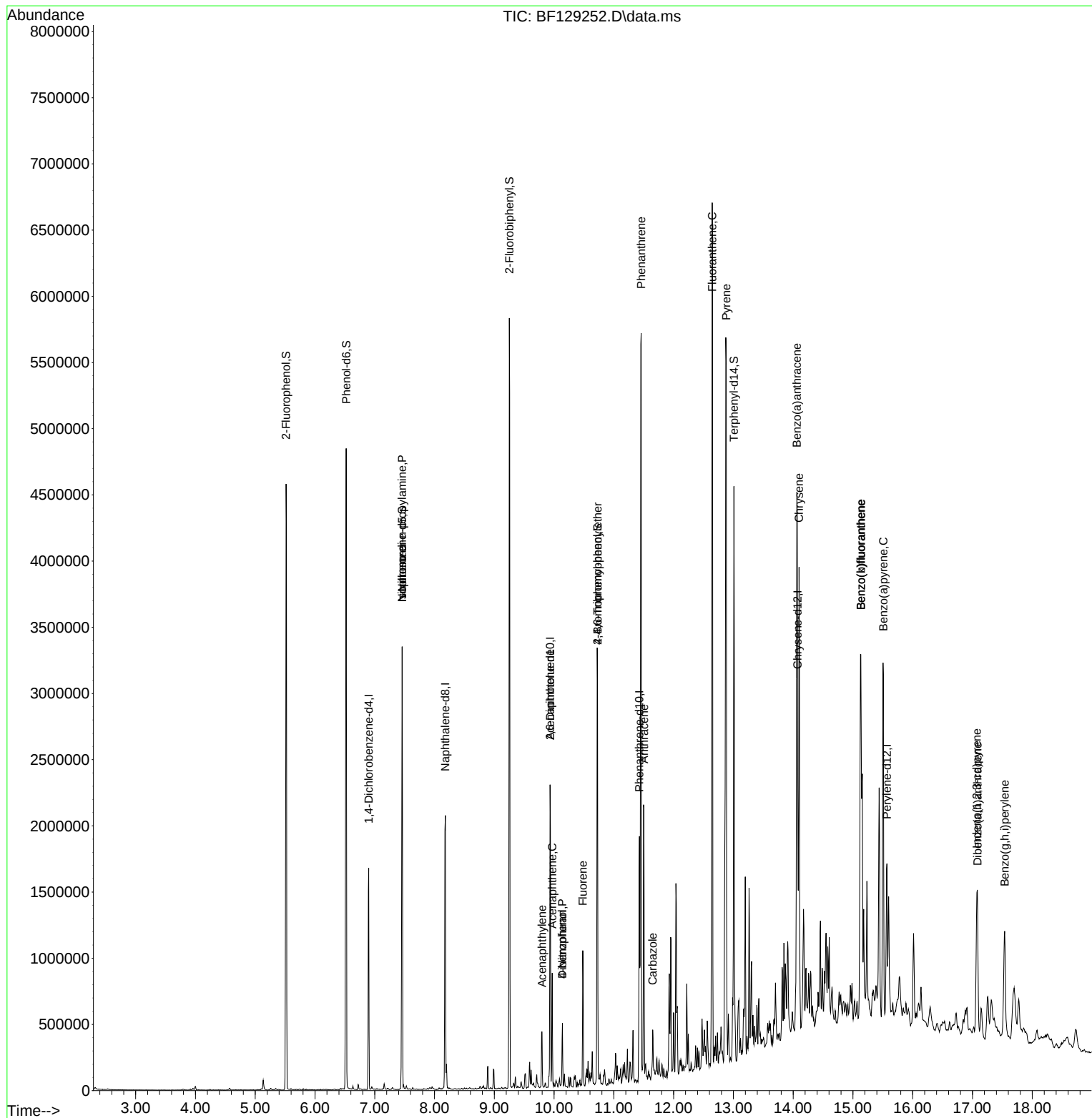
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	239054	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	940941	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	463757	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	689291	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	428354	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	471863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1307902	87.377	ng	0.00
7) Phenol-d6	6.522	99	1678567	86.705	ng	0.00
23) Nitrobenzene-d5	7.457	82	1059642	60.198	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	340920	79.202	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1805166	65.946	ng	-0.01
79) Terphenyl-d14	13.010	244	1432225	62.548	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	139324	12.235	ng	# 76
25) Isophorone	7.457	82	1058770	35.788	ng	# 65
49) Acenaphthylene	9.798	152	171529	4.411	ng	97
51) 2,6-Dinitrotoluene	9.933	165	65492	10.057	ng	# 26
52) Acenaphthene	9.969	154	155150	6.104	ng	99
55) Dibenzofuran	10.139	168	149528	4.144	ng	99
56) 4-Nitrophenol	10.139	139	58491	9.503	ng	# 9
58) Fluorene	10.480	166	262371	9.560	ng	99
67) 4-Bromophenyl-phenylether	10.728	248	21848	3.011	ng	# 1
71) Phenanthrene	11.457	178	2225953	63.606	ng	99
72) Anthracene	11.504	178	799721	23.005	ng	98
73) Carbazole	11.651	167	126962	3.661	ng	99
75) Fluoranthene	12.645	202	2836362	81.379	ng	95
78) Pyrene	12.880	202	2519110	72.608	ng	99
81) Benzo(a)anthracene	14.063	228	1502759	55.618	ng	96
83) Chrysene	14.098	228	1264556	49.033	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	762553	25.916	ng	96
88) Benzo(b)fluoranthene	15.133	252	2437128	84.073	ng	# 94
89) Benzo(k)fluoranthene	15.133	252	2437128	86.052	ng	# 95
90) Benzo(a)pyrene	15.510	252	1318525	55.872	ng	96
91) Dibenzo(a,h)anthracene	17.086	278	188514	7.921	ng	# 90
92) Benzo(g,h,i)perylene	17.539	276	679839	27.944	ng	95

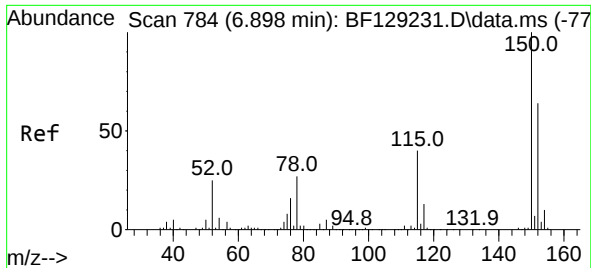
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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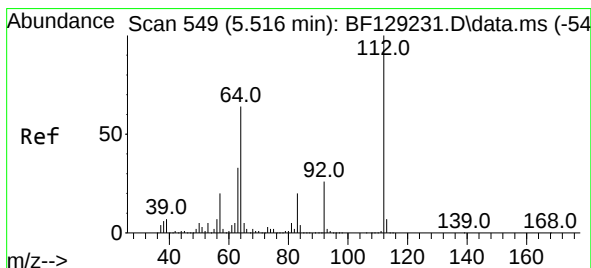
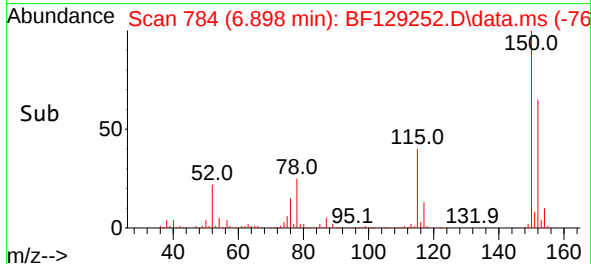
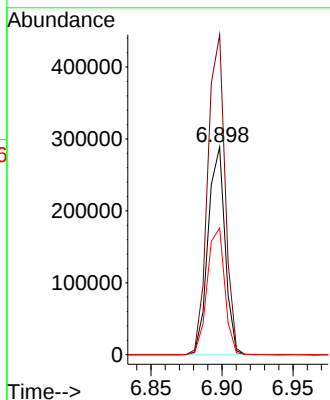
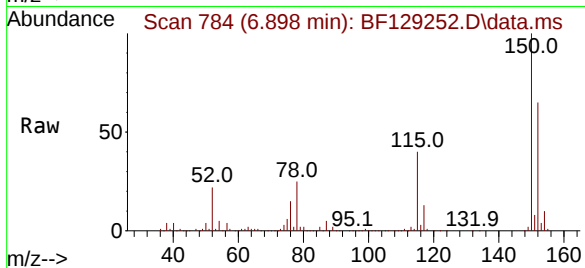




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: BF129252.D
 Acq: 15 Jul 2022 22:35

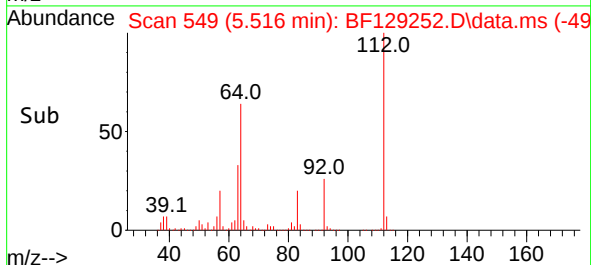
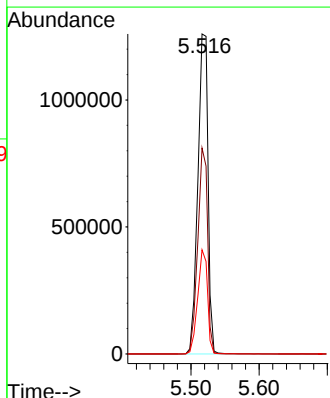
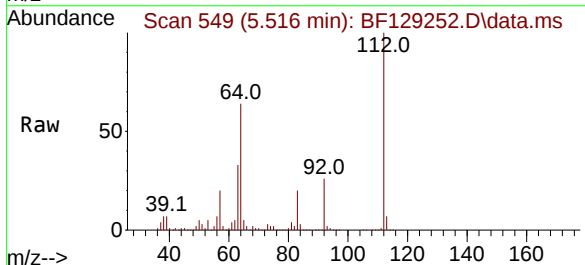
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tgt Ion:152 Resp: 239054
 Ion Ratio Lower Upper
 152 100
 150 154.0 123.7 185.5
 115 61.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 87.377 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.000 min
 Lab File: BF129252.D
 Acq: 15 Jul 2022 22:35

Tgt Ion:112 Resp: 1307902
 Ion Ratio Lower Upper
 112 100
 64 64.4 53.3 79.9
 63 32.6 28.0 42.0

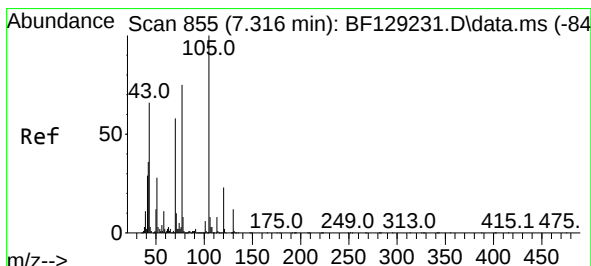
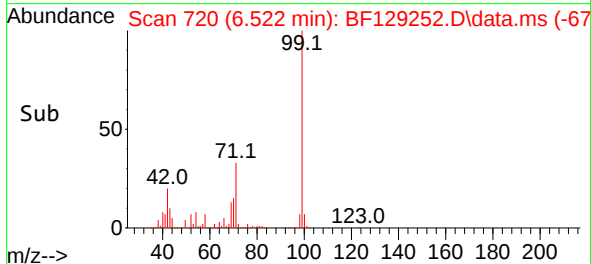
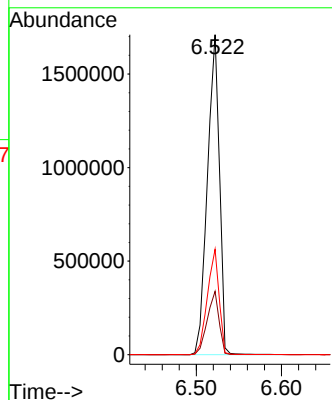
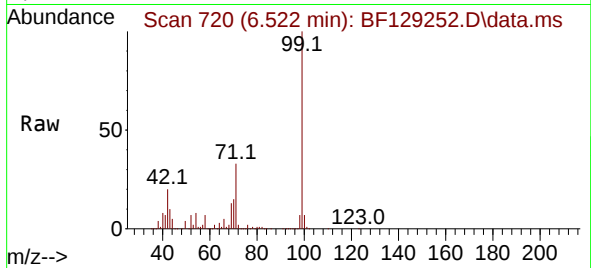




#7
Phenol-d6
Concen: 86.705 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

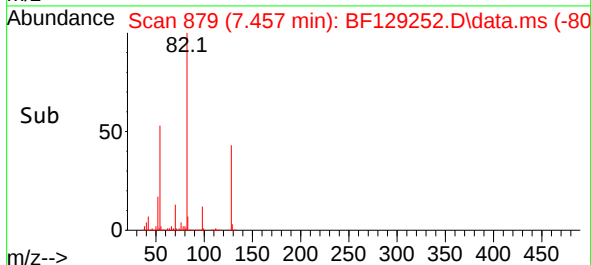
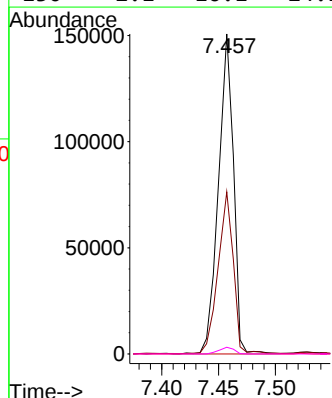
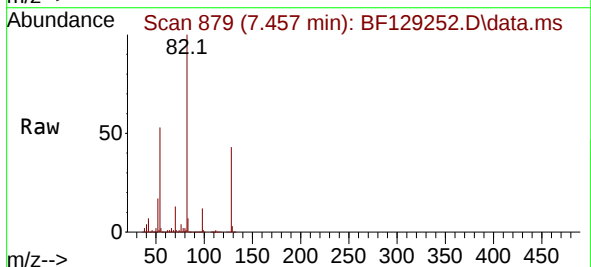
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

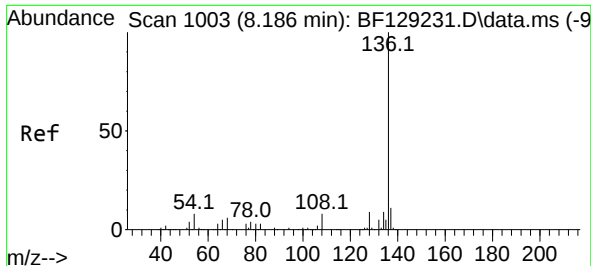
Tgt Ion: 99 Resp: 1678567
Ion Ratio Lower Upper
99 100
42 19.8 17.3 25.9
71 33.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.235 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.141 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion: 70 Resp: 139324
Ion Ratio Lower Upper
70 100
42 50.7 52.3 78.5#
101 0.0 7.5 11.3#
130 2.1 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:136 Resp: 940941

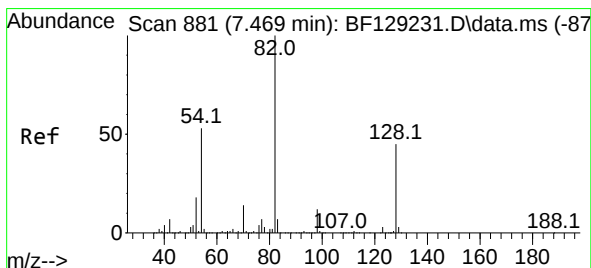
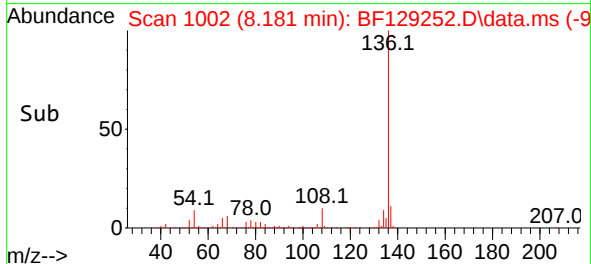
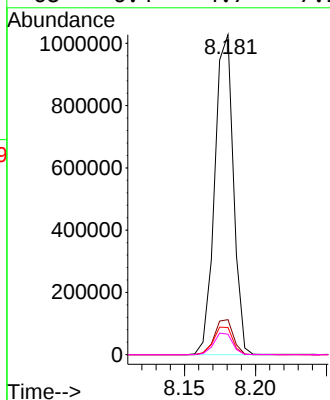
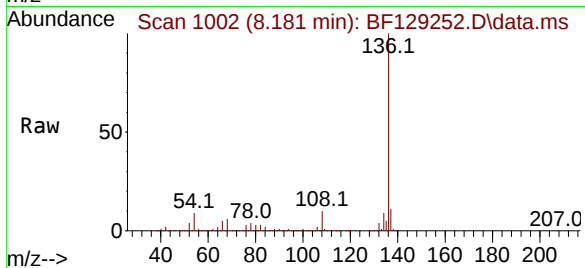
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.5 7.5 11.3

68 6.4 4.7 7.1



#23

Nitrobenzene-d5

Concen: 60.198 ng

RT: 7.457 min Scan# 879

Delta R.T. -0.012 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

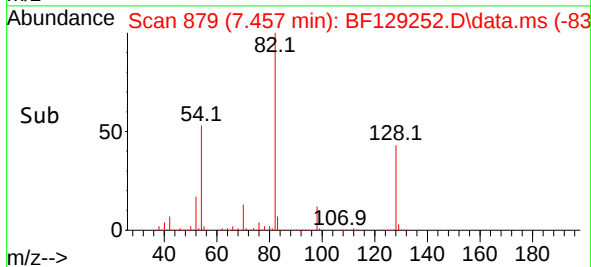
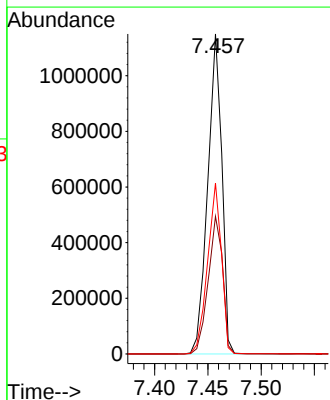
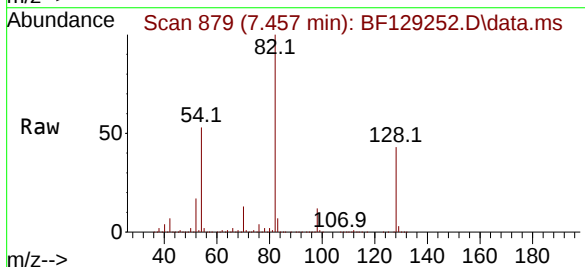
Tgt Ion: 82 Resp: 1059642

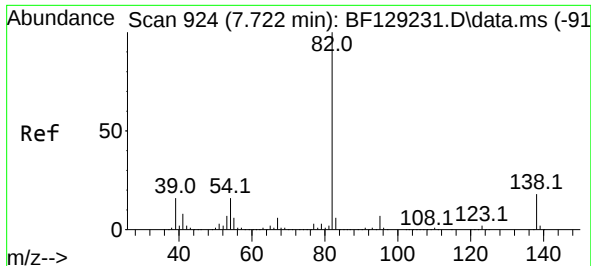
Ion Ratio Lower Upper

82 100

128 43.0 34.0 51.0

54 53.4 46.9 70.3

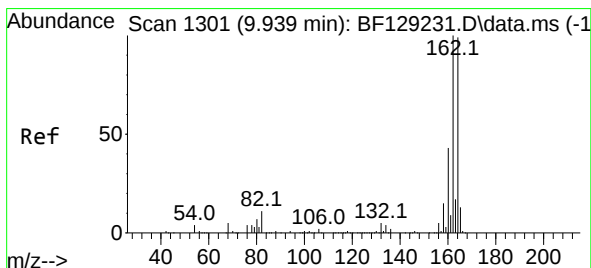
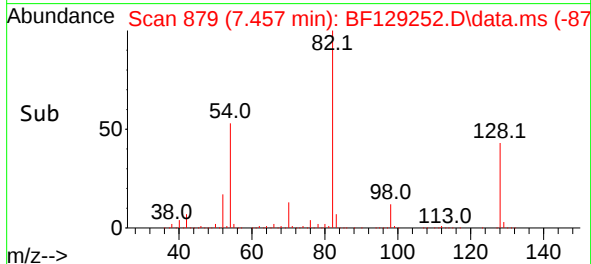
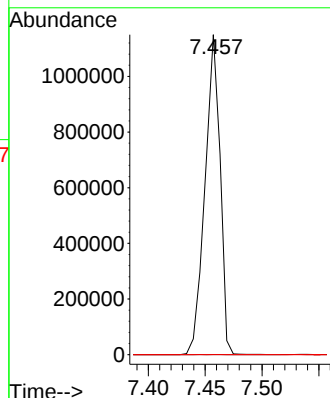
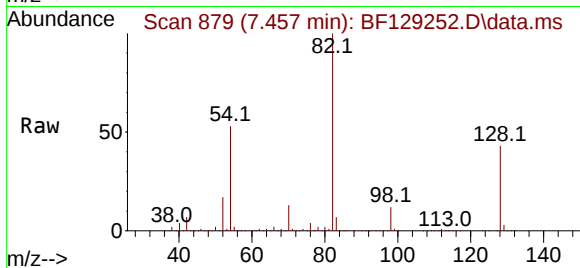




#25
Isophorone
Concen: 35.788 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

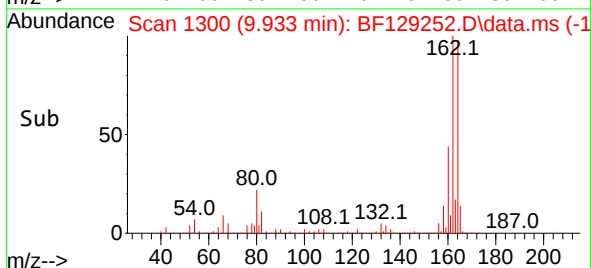
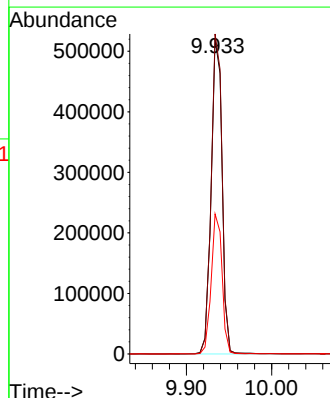
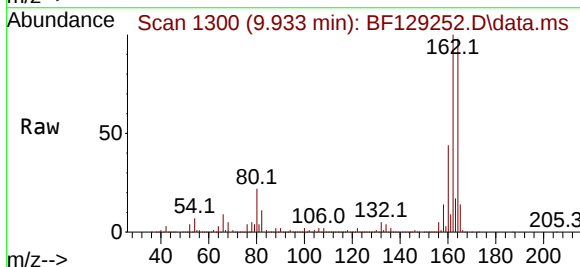
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

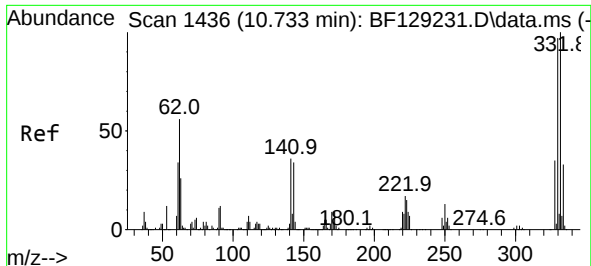
Tgt Ion: 82 Resp: 1058770
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

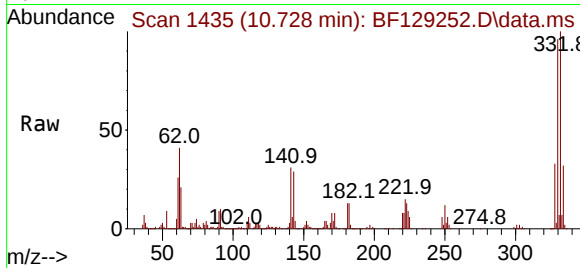
Tgt Ion:164 Resp: 463757
Ion Ratio Lower Upper
164 100
162 101.6 79.5 119.3
160 44.4 34.2 51.4



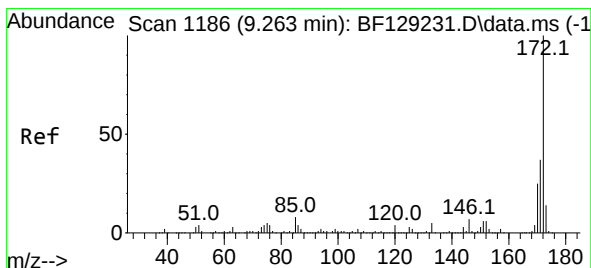
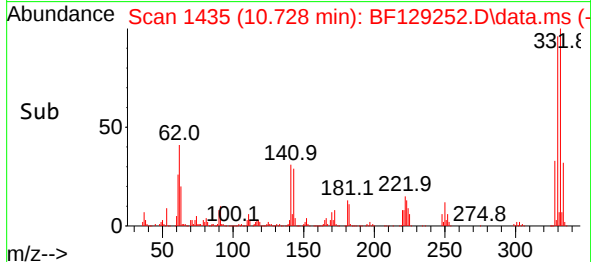
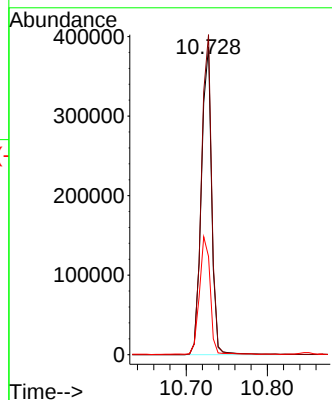


#42
2,4,6-Tribromophenol
Concen: 79.202 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

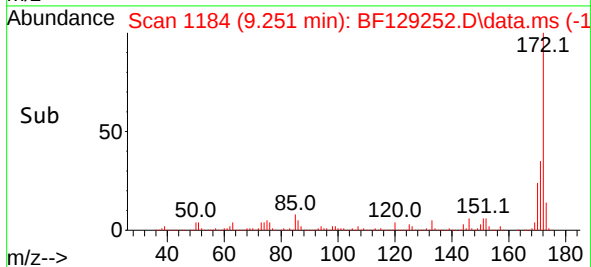
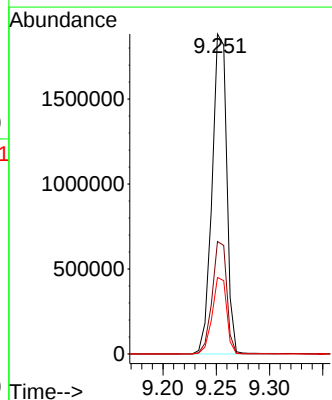
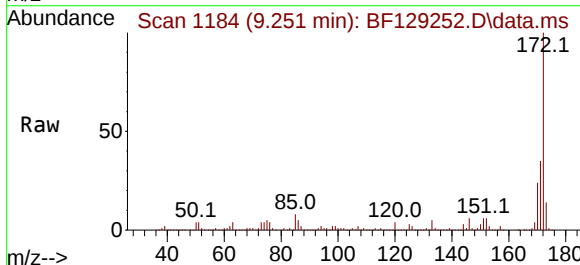


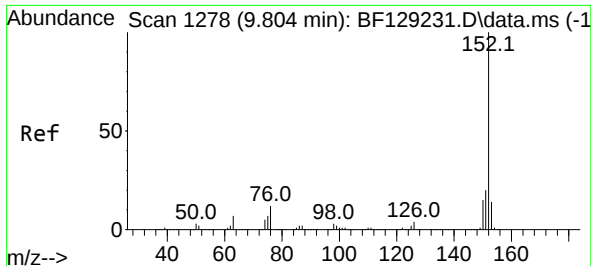
Tgt Ion:330 Resp: 340920
Ion Ratio Lower Upper
330 100
332 104.2 76.8 115.2
141 40.3 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 65.946 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.012 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion:172 Resp: 1805166
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.9 19.8 29.8





#49

Acenaphthylene

Concen: 4.411 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

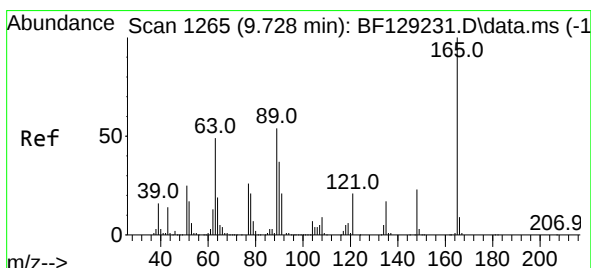
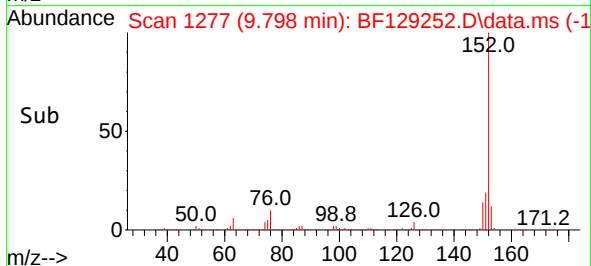
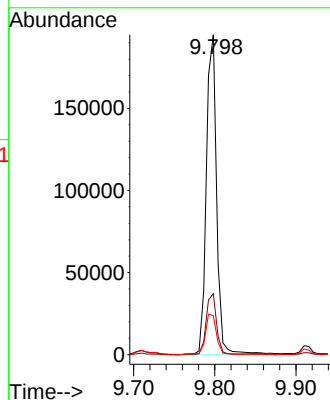
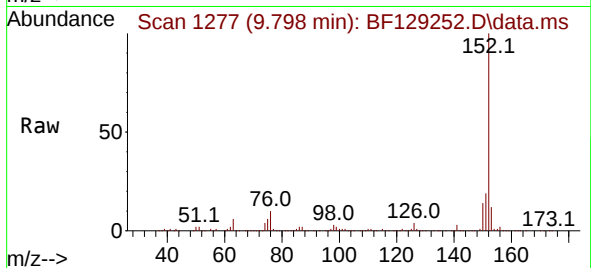
Tgt Ion:152 Resp: 171529

Ion Ratio Lower Upper

152 100

151 19.1 16.2 24.4

153 12.2 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 10.057 ng

RT: 9.933 min Scan# 1300

Delta R.T. 0.206 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

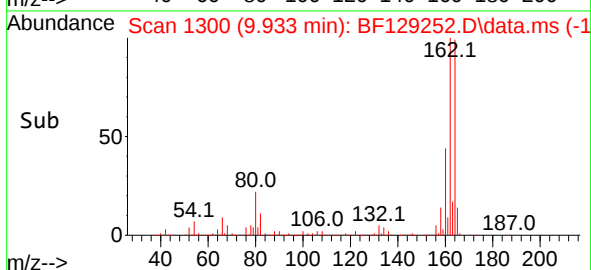
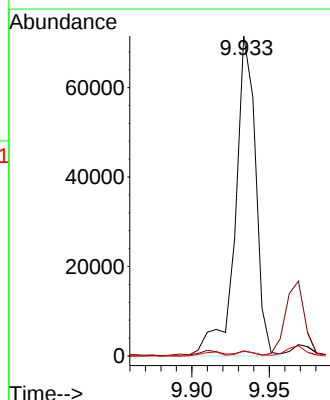
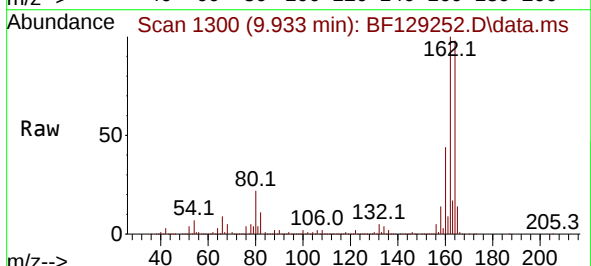
Tgt Ion:165 Resp: 65492

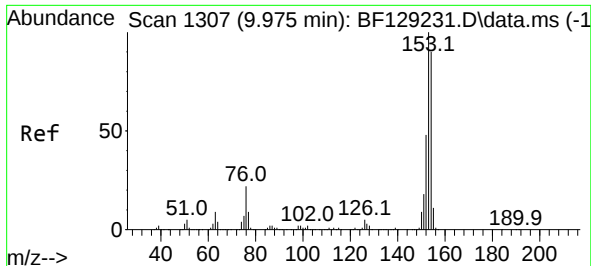
Ion Ratio Lower Upper

165 100

63 1.6 44.9 67.3#

89 1.6 43.6 65.4#

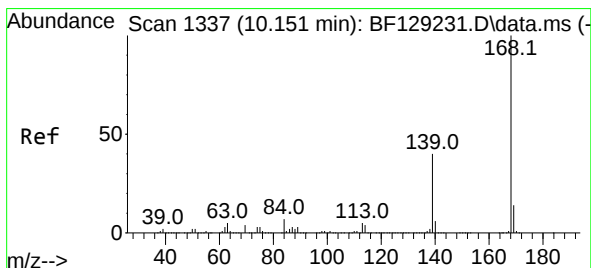
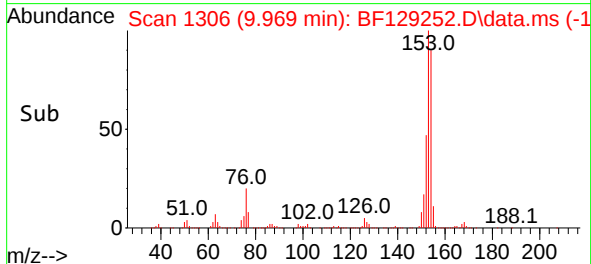
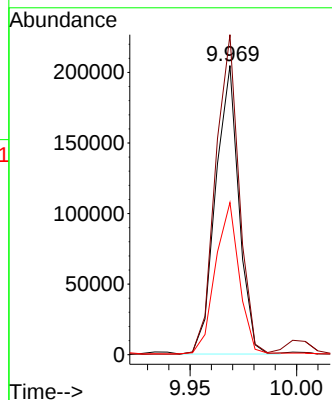
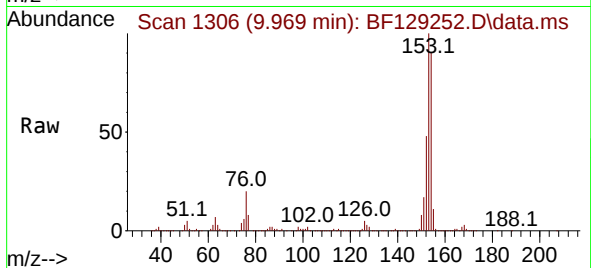




#52
Acenaphthene
Concen: 6.104 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

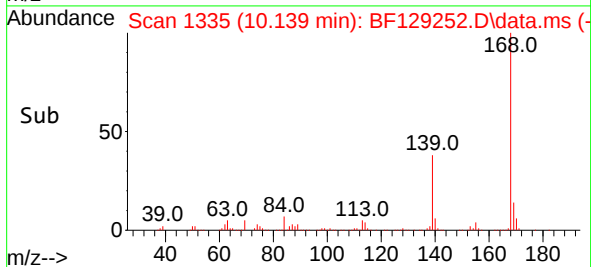
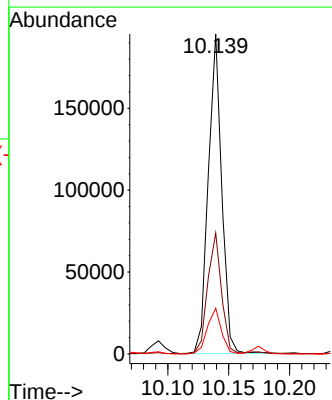
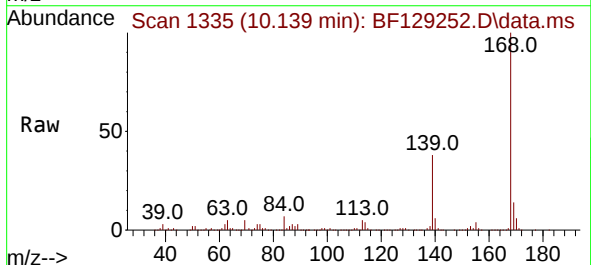
Instrument :
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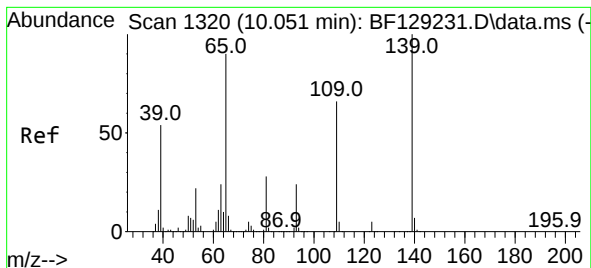
Tgt Ion:154 Resp: 155150
Ion Ratio Lower Upper
154 100
153 110.7 89.6 134.4
152 52.6 42.4 63.6



#55
Dibenzofuran
Concen: 4.144 ng
RT: 10.139 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion:168 Resp: 149528
Ion Ratio Lower Upper
168 100
139 37.8 30.6 46.0
169 14.3 11.0 16.6

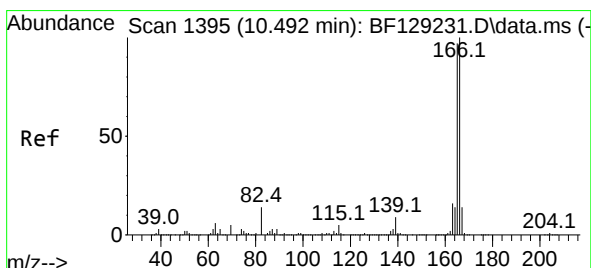
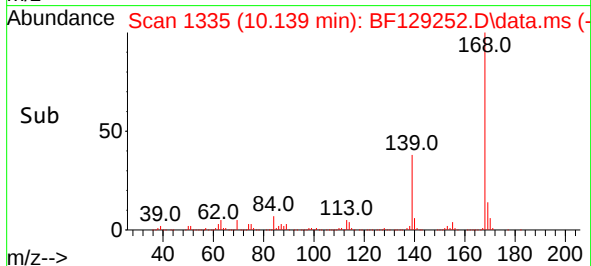
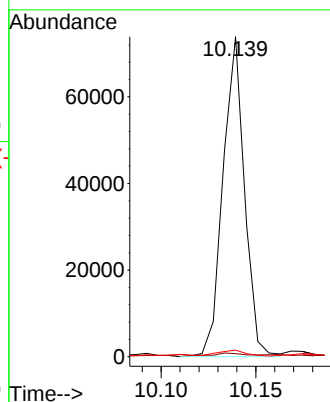
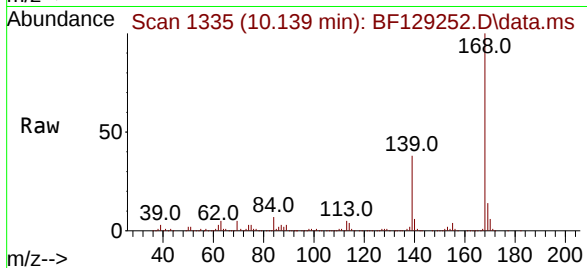




#56
4-Nitrophenol
Concen: 9.503 ng
RT: 10.139 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

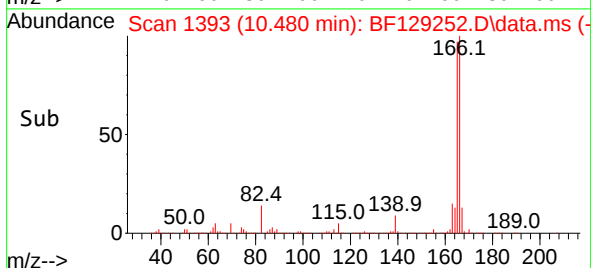
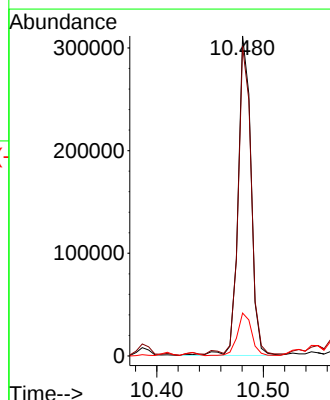
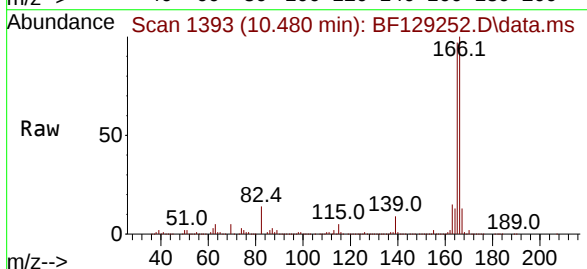
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

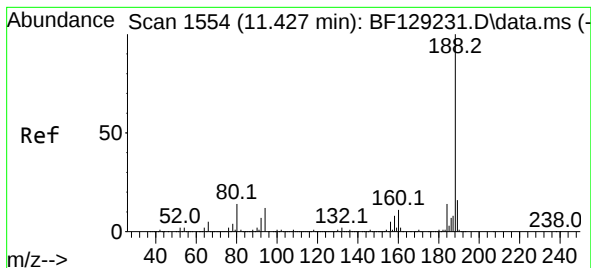
Tgt Ion:139 Resp: 58491
Ion Ratio Lower Upper
139 100
109 0.9 50.7 90.7#
65 2.1 74.5 114.5#



#58
Fluorene
Concen: 9.560 ng
RT: 10.480 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion:166 Resp: 262371
Ion Ratio Lower Upper
166 100
165 96.7 78.1 117.1
167 13.4 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

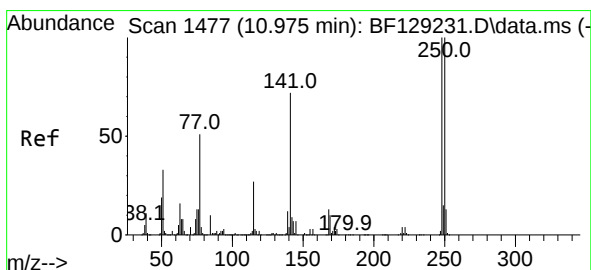
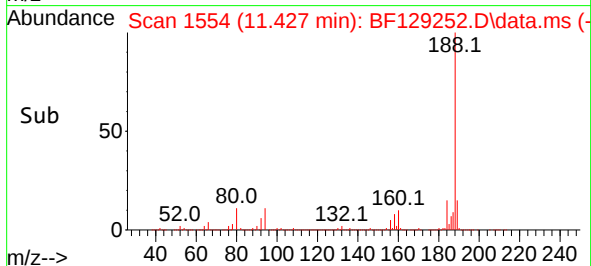
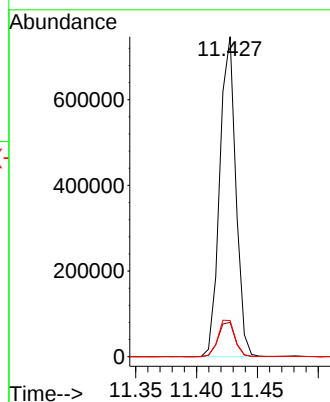
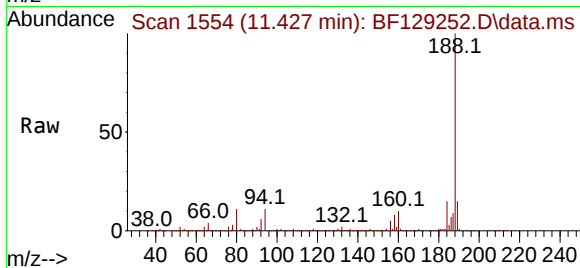
Tgt Ion:188 Resp: 689291

Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6#

80 11.3 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 3.011 ng

RT: 10.728 min Scan# 1435

Delta R.T. -0.247 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

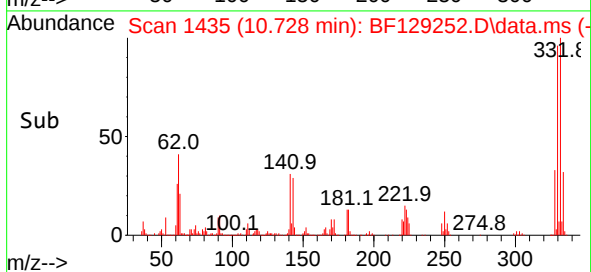
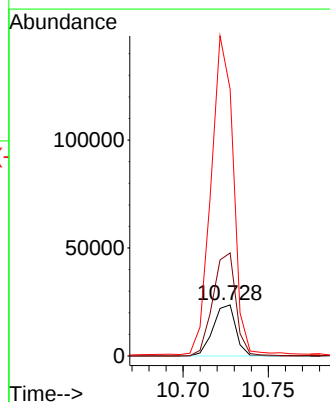
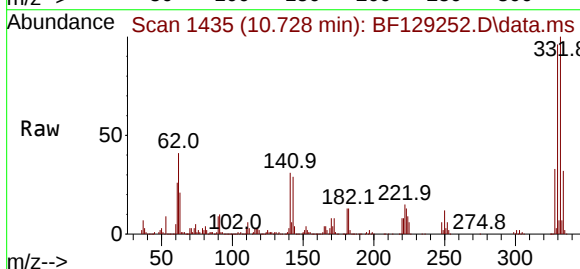
Tgt Ion:248 Resp: 21848

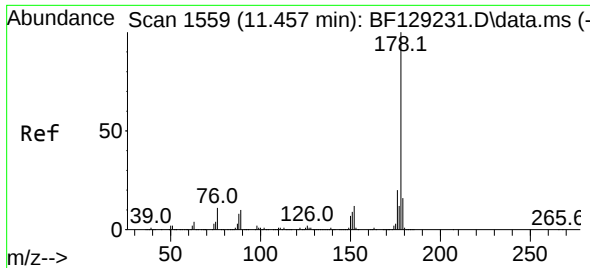
Ion Ratio Lower Upper

248 100

250 201.8 80.6 120.8#

141 522.5 58.9 88.3#

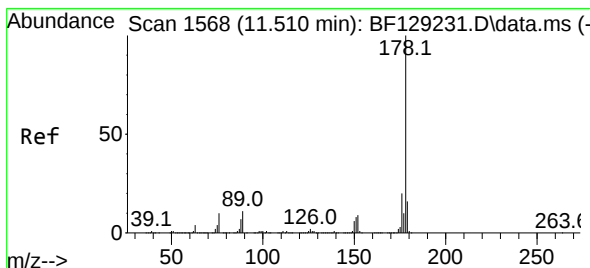
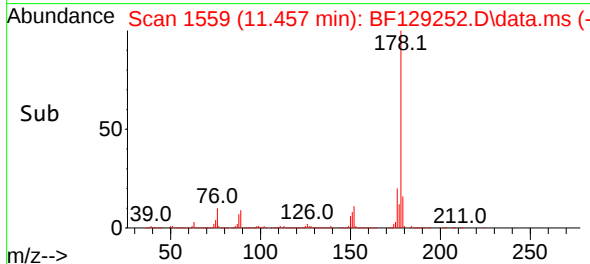
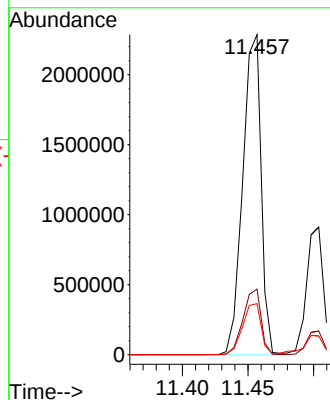
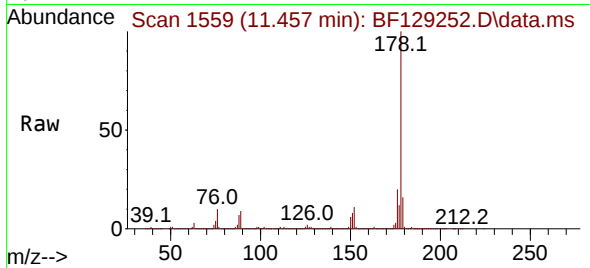




#71
Phenanthrene
Concen: 63.606 ng
RT: 11.457 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

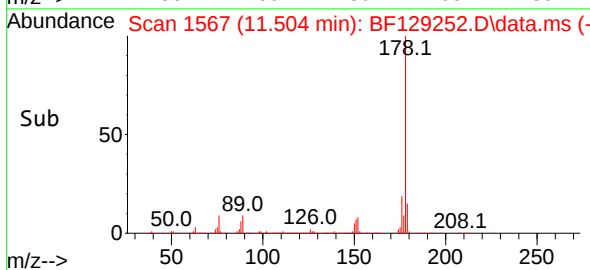
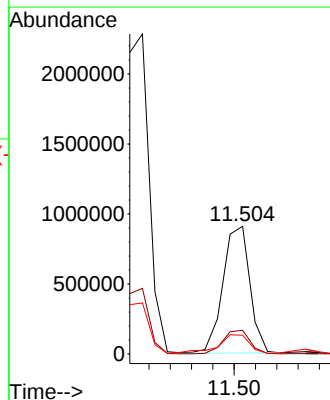
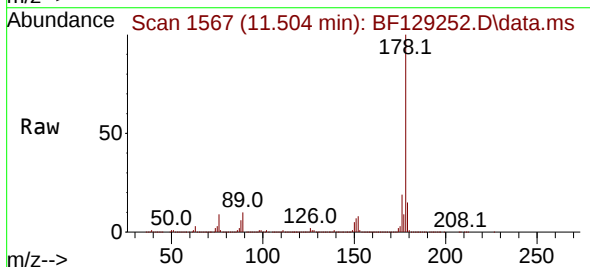
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

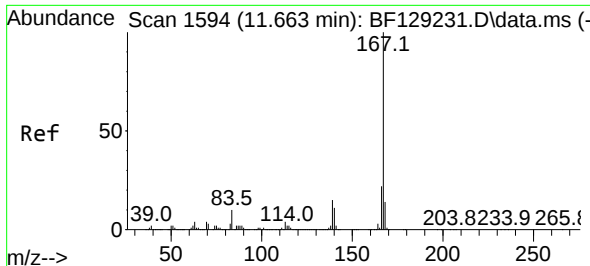
Tgt Ion:178 Resp: 2225953
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 16.0 12.6 19.0



#72
Anthracene
Concen: 23.005 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion:178 Resp: 799721
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 14.7 12.6 19.0

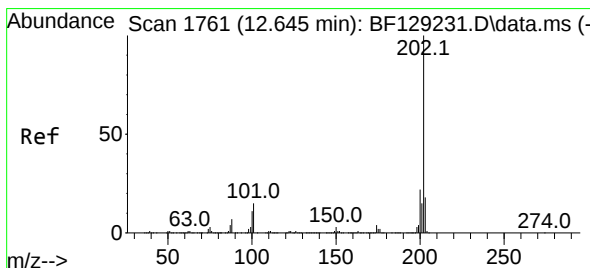
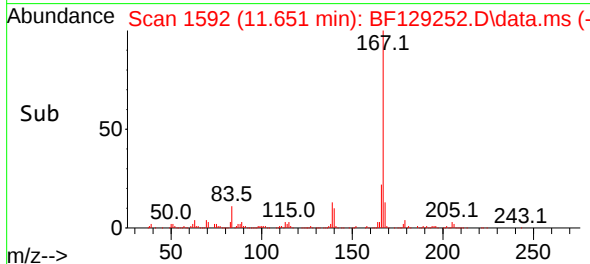
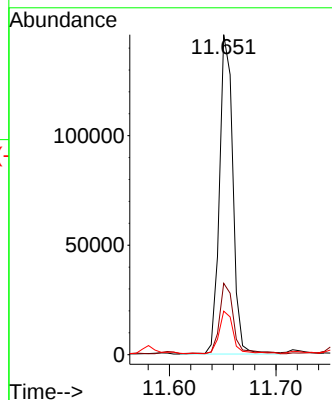
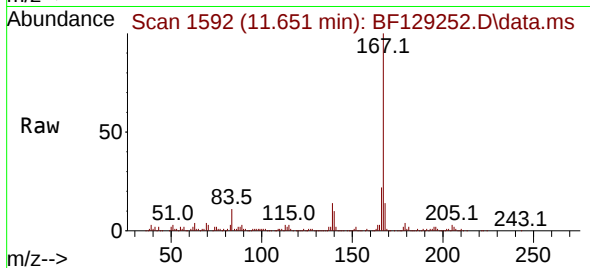




#73
 Carbazole
 Concen: 3.661 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.012 min
 Lab File: BF129252.D
 Acq: 15 Jul 2022 22:35

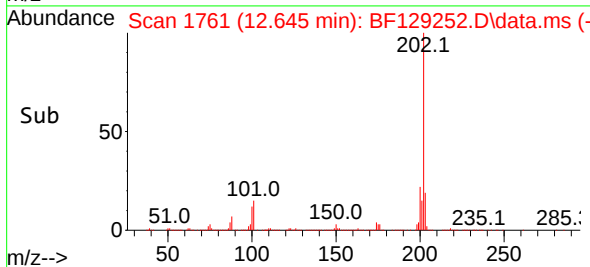
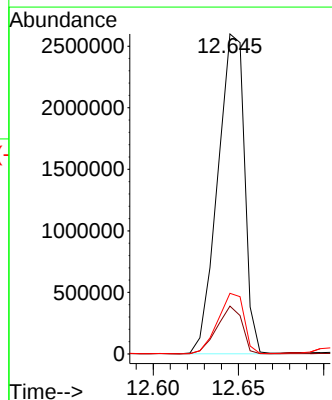
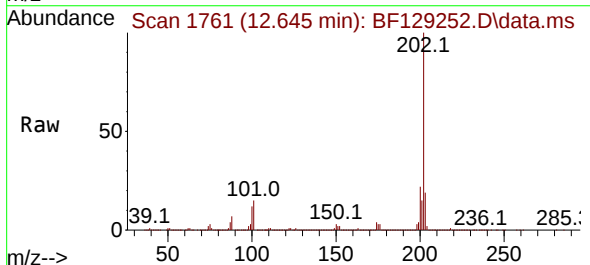
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

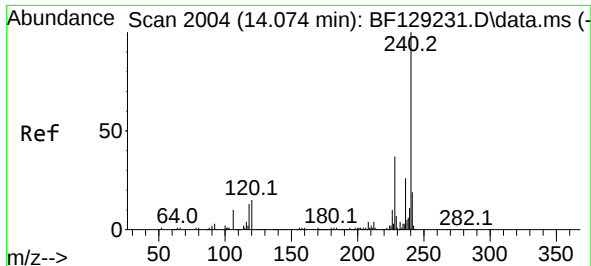
Tgt Ion:167 Resp: 126962
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 13.6 11.2 16.8



#75
 Fluoranthene
 Concen: 81.379 ng
 RT: 12.645 min Scan# 1761
 Delta R.T. 0.000 min
 Lab File: BF129252.D
 Acq: 15 Jul 2022 22:35

Tgt Ion:202 Resp: 2836362
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 31.4
 203 18.9 0.0 38.0

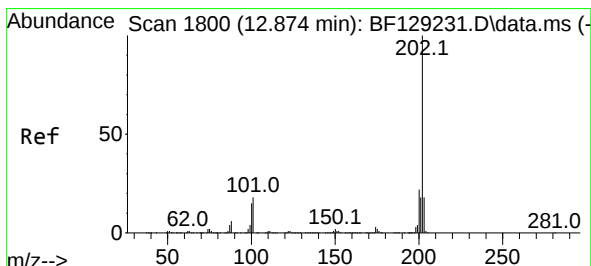
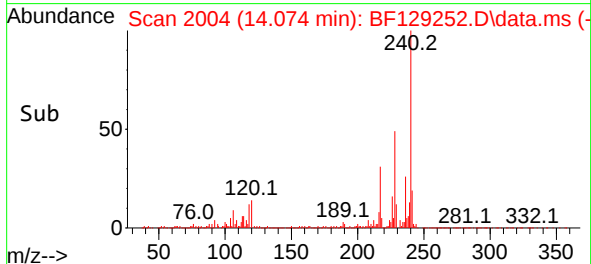
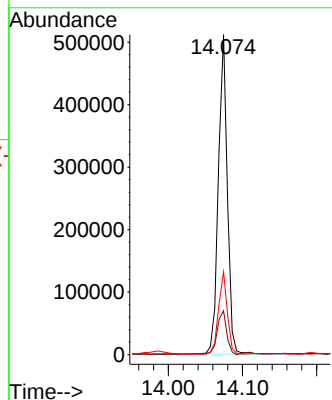
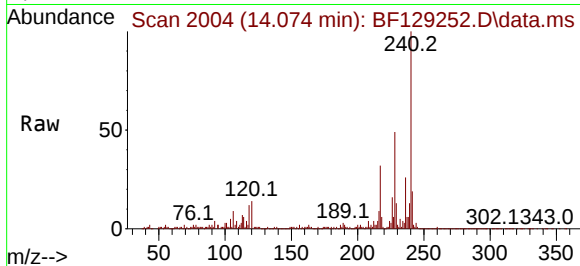




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

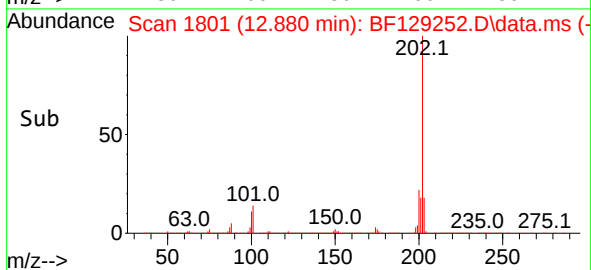
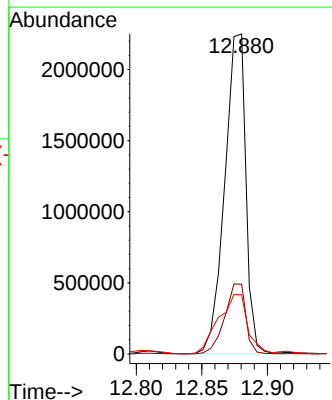
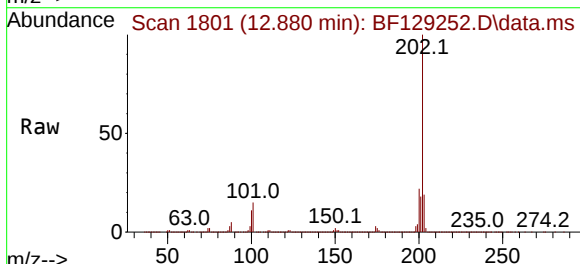
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

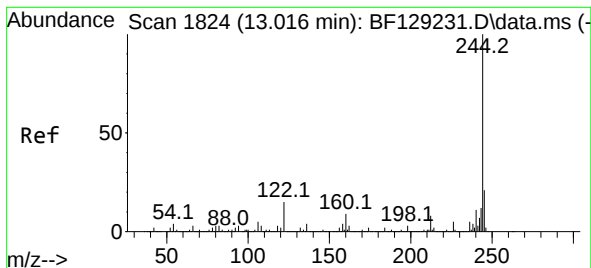
Tgt Ion:240 Resp: 428354
Ion Ratio Lower Upper
240 100
120 13.7 8.9 13.3#
236 25.8 20.8 31.2



#78
Pyrene
Concen: 72.608 ng
RT: 12.880 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion:202 Resp: 2519110
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 18.5 14.6 21.8





#79

Terphenyl-d14

Concen: 62.548 ng

RT: 13.010 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

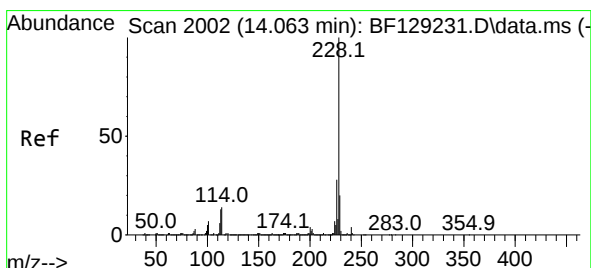
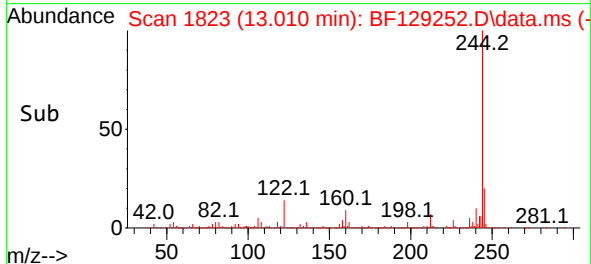
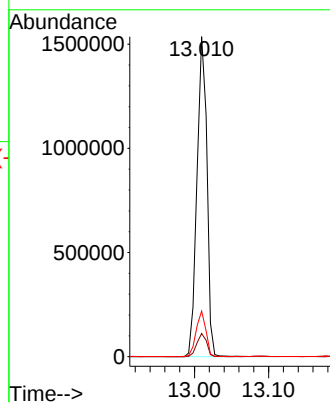
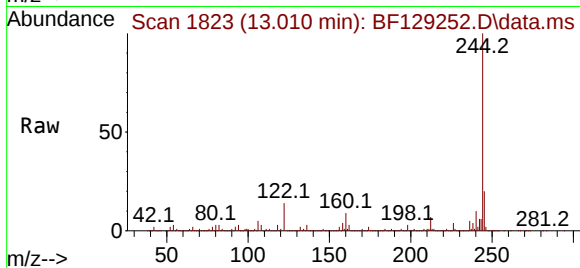
Tgt Ion:244 Resp: 1432225

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 14.3 8.8 13.2#



#81

Benzo(a)anthracene

Concen: 55.618 ng

RT: 14.063 min Scan# 2002

Delta R.T. 0.000 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

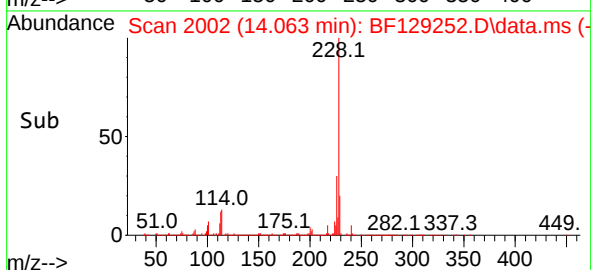
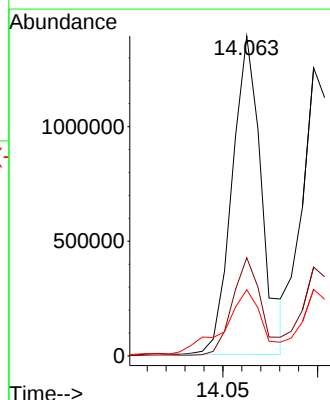
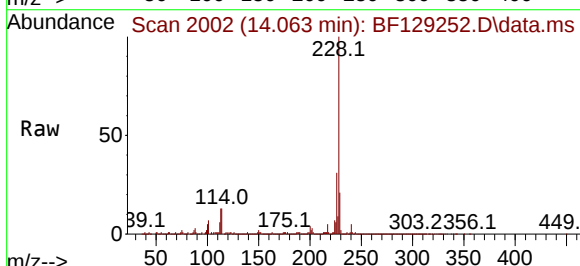
Tgt Ion:228 Resp: 1502759

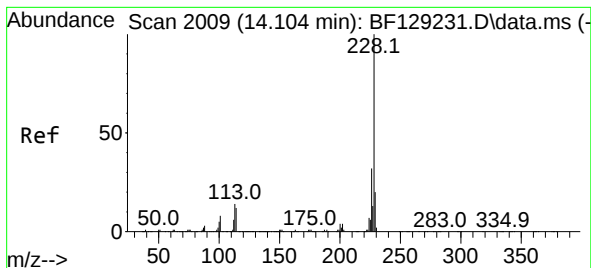
Ion Ratio Lower Upper

228 100

226 30.7 22.1 33.1

229 20.7 15.8 23.8





#83

Chrysene

Concen: 49.033 ng

RT: 14.098 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

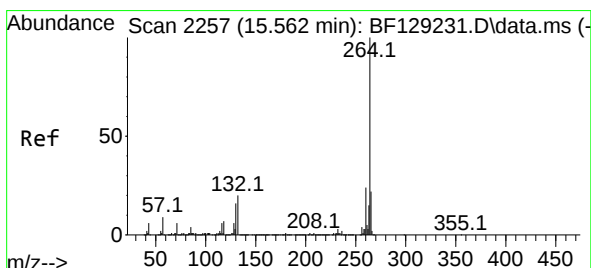
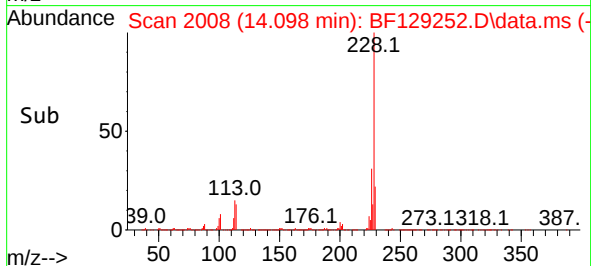
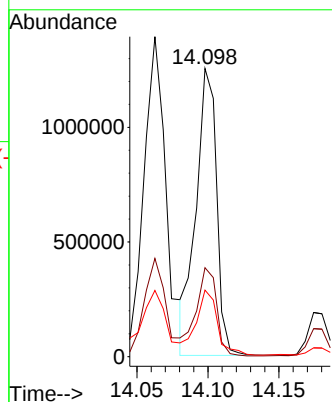
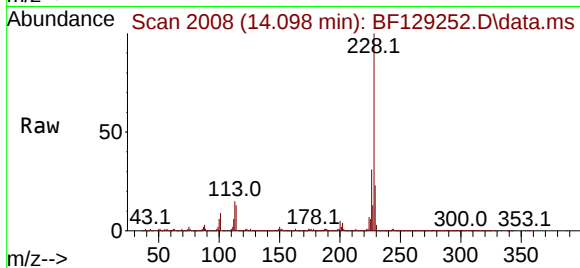
Tgt Ion:228 Resp: 1264556

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 23.1 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2258

Delta R.T. 0.006 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

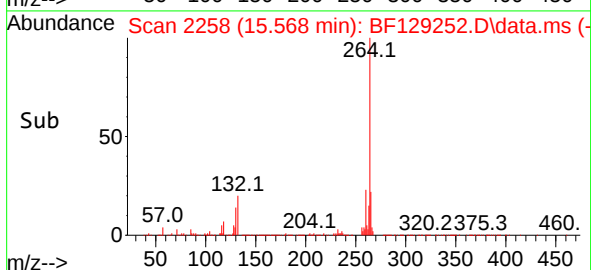
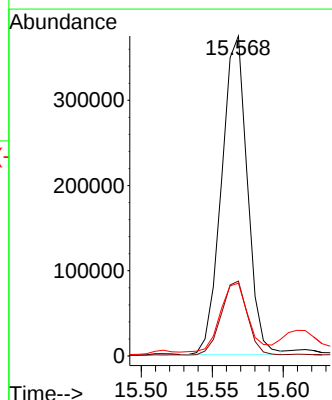
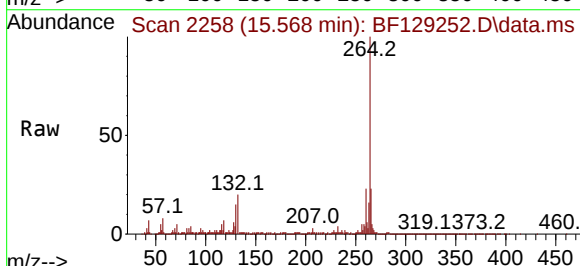
Tgt Ion:264 Resp: 471863

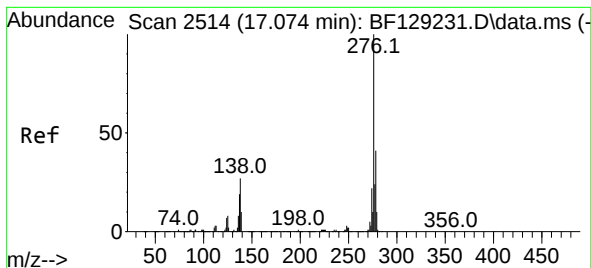
Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 22.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 25.916 ng

RT: 17.074 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

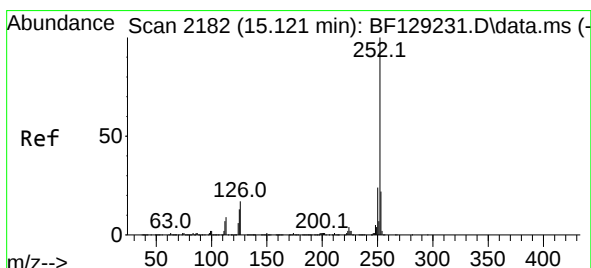
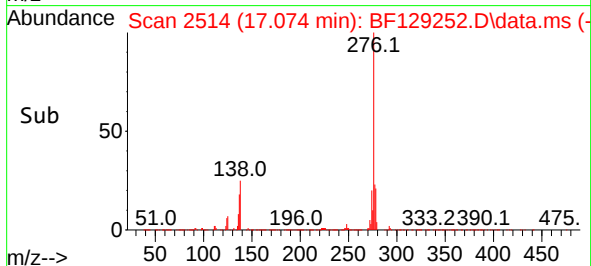
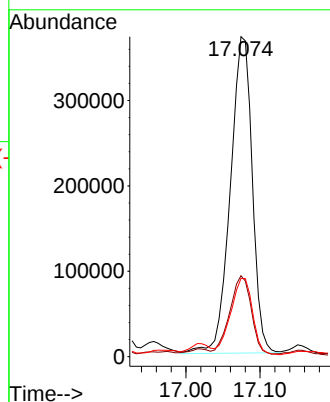
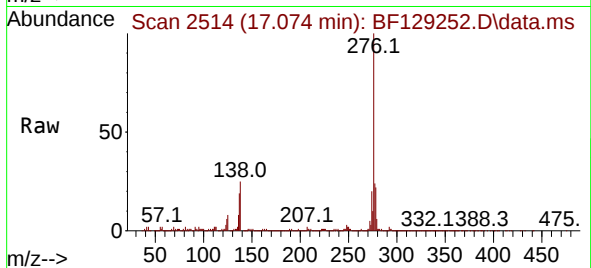
Tgt Ion:276 Resp: 762553

Ion Ratio Lower Upper

276 100

138 24.1 21.1 31.7

277 24.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 84.073 ng

RT: 15.133 min Scan# 2184

Delta R.T. 0.012 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

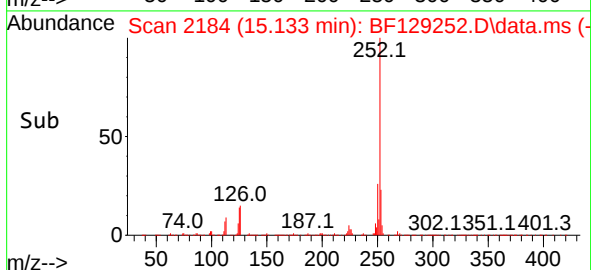
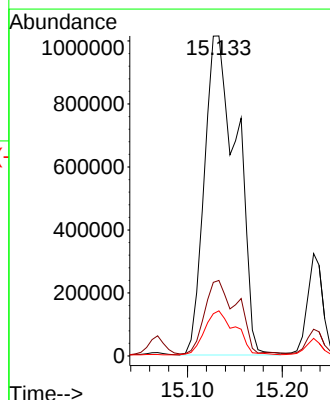
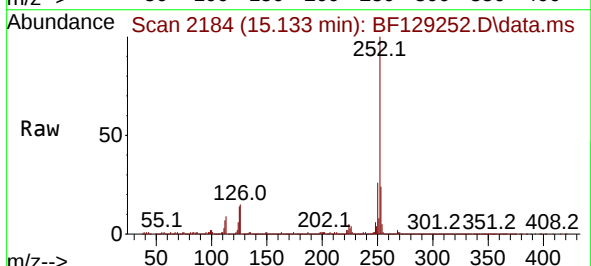
Tgt Ion:252 Resp: 2437128

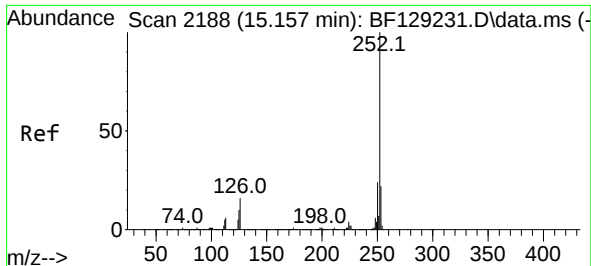
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 14.1 8.0 12.0#

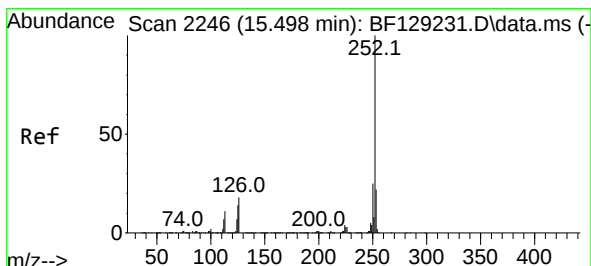
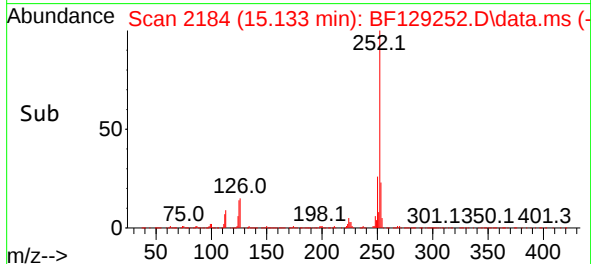
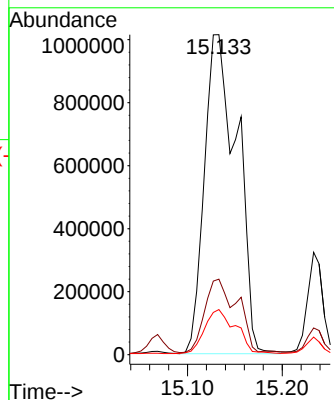
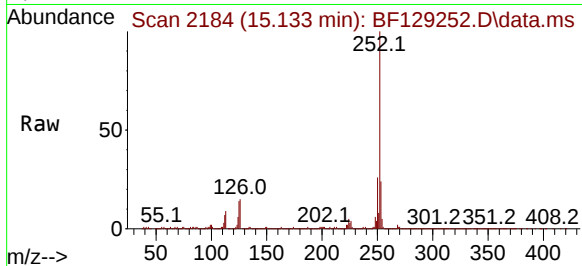




#89
Benzo(k)fluoranthene
Concen: 86.052 ng
RT: 15.133 min Scan# 2188
Delta R.T. -0.024 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

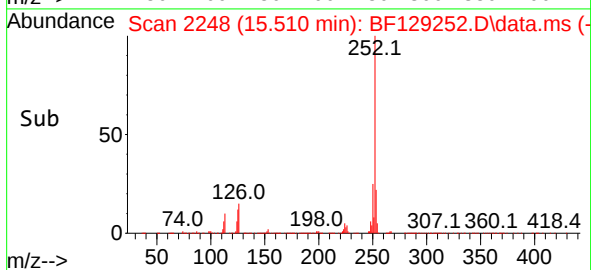
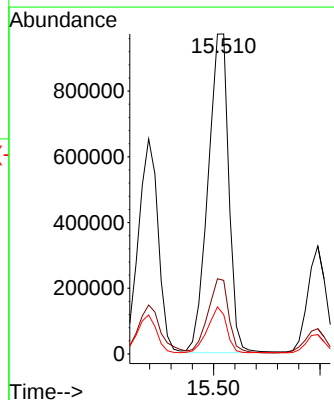
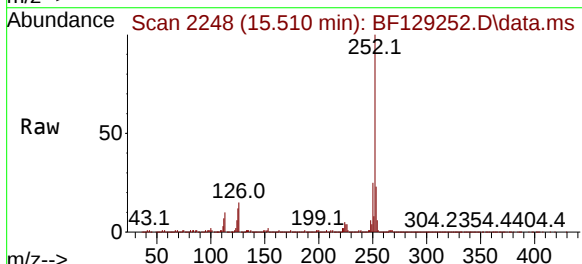
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

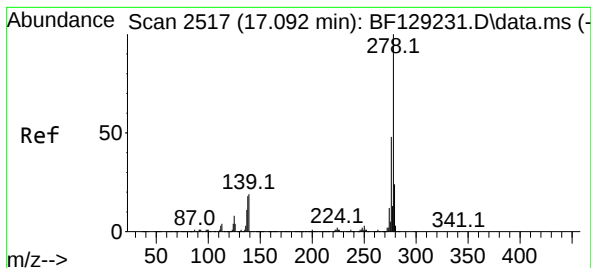
Tgt Ion:252 Resp: 2437128
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 14.1 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 55.872 ng
RT: 15.510 min Scan# 2248
Delta R.T. 0.012 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion:252 Resp: 1318525
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 12.3 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 7.921 ng

RT: 17.086 min Scan# 2516

Delta R.T. -0.006 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

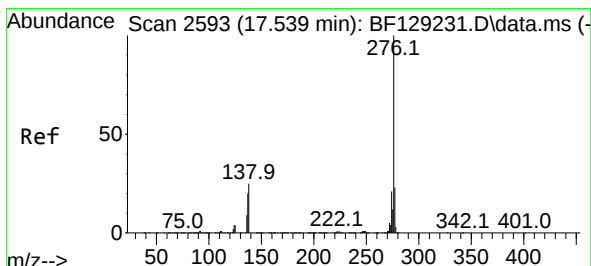
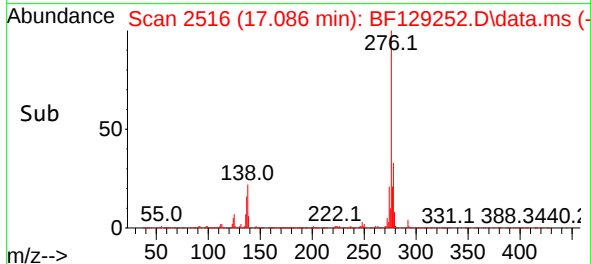
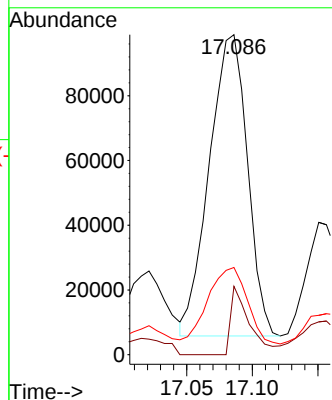
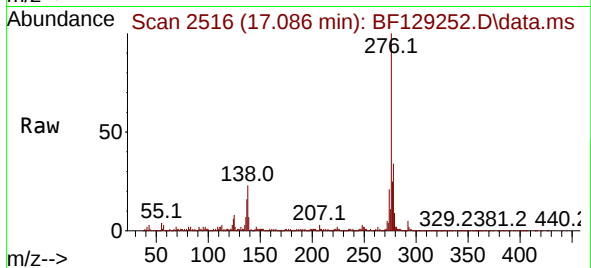
Tgt Ion:278 Resp: 188514

Ion Ratio Lower Upper

278 100

139 21.4 12.8 19.2#

279 27.2 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 27.944 ng

RT: 17.539 min Scan# 2593

Delta R.T. 0.000 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Tgt Ion:276 Resp: 679839

Ion Ratio Lower Upper

276 100

277 25.4 19.1 28.7

138 25.9 18.0 27.0

