

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081822\
 Data File : BF129872.D
 Acq On : 18 Aug 2022 13:07
 Operator : CG\JU
 Sample : N4189-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB18

Quant Time: Aug 18 13:37:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 12:03:10 2022
 Response via : Initial Calibration

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

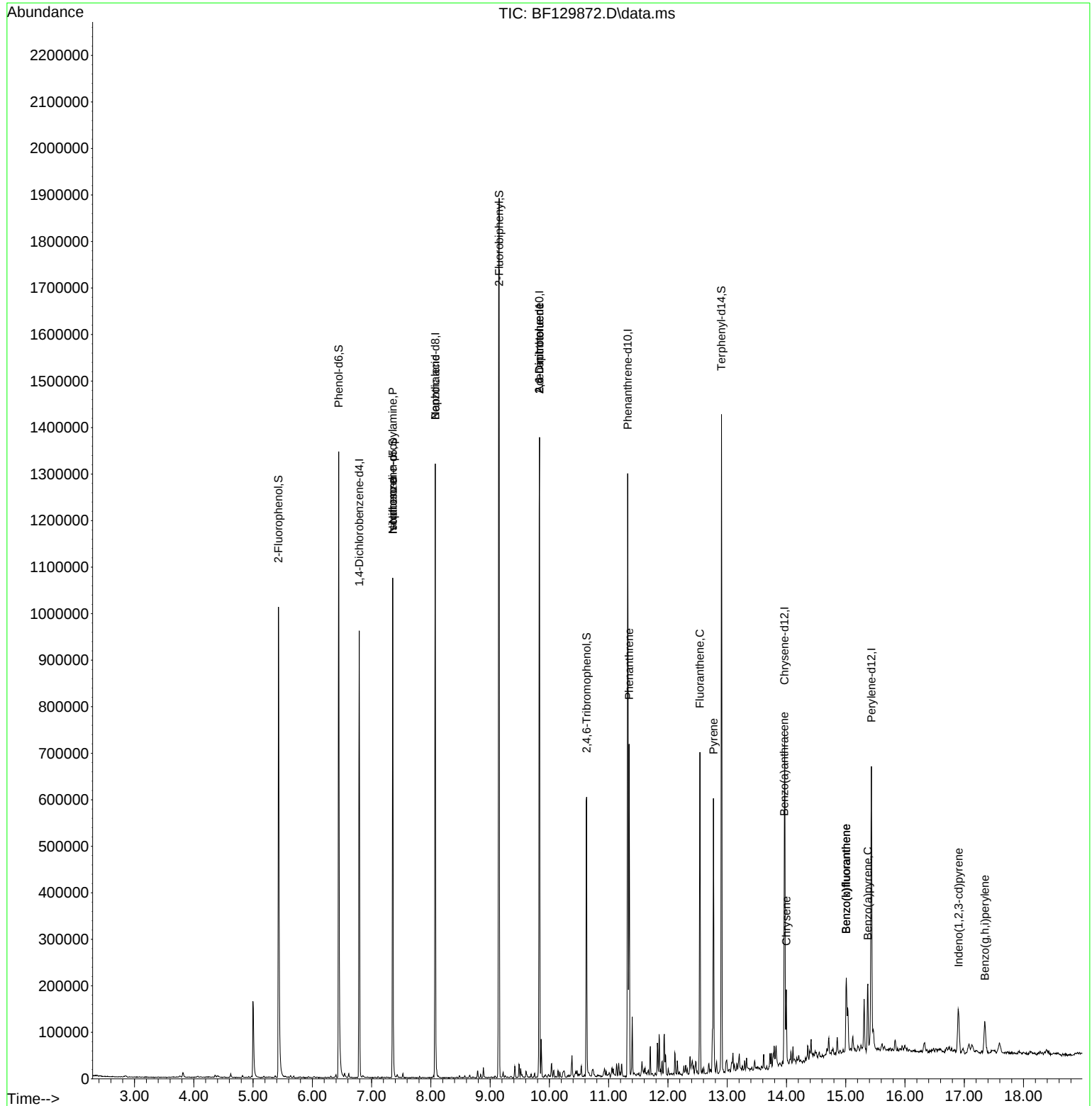
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	133559	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	532277	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	279463	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	432444	20.000	ng	0.00
76) Chrysene-d12	13.968	240	212811	20.000	ng	0.00
86) Perylene-d12	15.433	264	265070	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	305475	37.869	ng	0.00
7) Phenol-d6	6.445	99	443007	43.855	ng	0.00
23) Nitrobenzene-d5	7.357	82	303408	30.514	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	69302	24.708	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	586384	31.868	ng	0.00
79) Terphenyl-d14	12.904	244	436568	34.135	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.386	77	196	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	39629	6.206	ng	# 80
25) Isophorone	7.357	82	303406	17.729	ng	# 65
32) Benzoic acid	8.075	122	80	2.182	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	36452	8.388	ng	# 23
57) 2,4-Dinitrotoluene	9.833	165	36452	6.462	ng	# 18
71) Phenanthrene	11.345	178	226756	9.389	ng	100
75) Fluoranthene	12.539	202	246229	9.963	ng	99
77) Benzidine	12.904	184	5904	Below Cal		98
78) Pyrene	12.768	202	210941	11.406	ng	100
81) Benzo(a)anthracene	13.962	228	65667	4.486	ng	99
83) Chrysene	13.998	228	58837	4.294	ng	98
87) Indeno(1,2,3-cd)pyrene	16.903	276	51562	2.833	ng	95
88) Benzo(b)fluoranthene	15.009	252	111117	6.122	ng	98
89) Benzo(k)fluoranthene	15.009	252	111117	6.384	ng	99
90) Benzo(a)pyrene	15.374	252	68281	4.777	ng	99
92) Benzo(g,h,i)perylene	17.350	276	52752	3.522	ng	98

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

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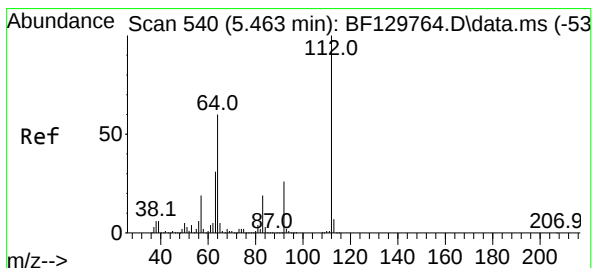
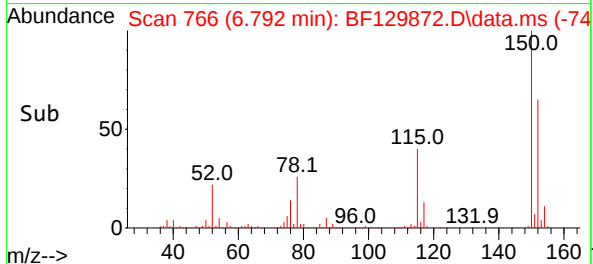
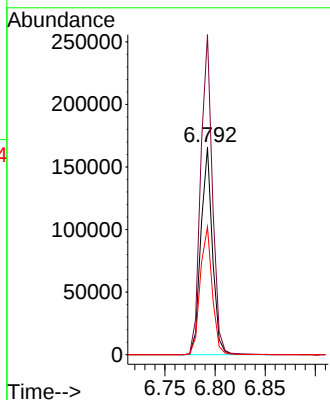
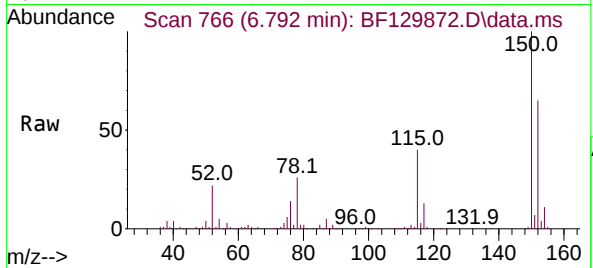




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

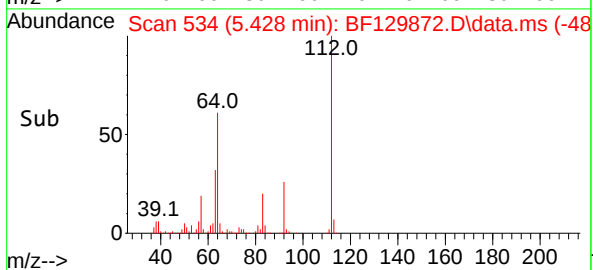
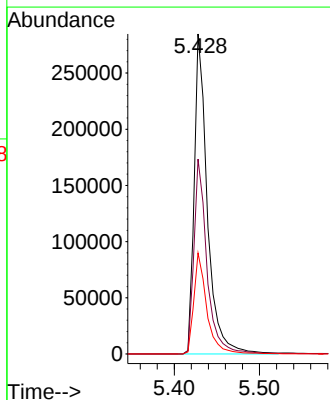
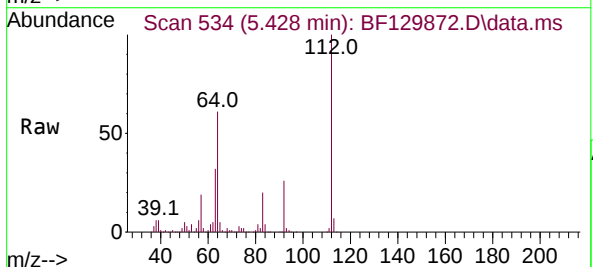
Instrument :
BNA_F
ClientSampleId :
SB18

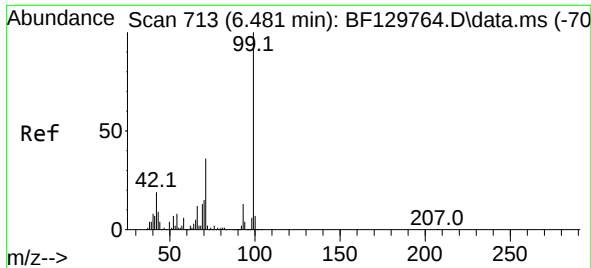
Tgt Ion:152 Resp: 133559
Ion Ratio Lower Upper
152 100
150 154.3 126.9 190.3
115 61.6 53.4 80.0



#5
2-Fluorophenol
Concen: 37.869 ng
RT: 5.428 min Scan# 534
Delta R.T. 0.000 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

Tgt Ion:112 Resp: 305475
Ion Ratio Lower Upper
112 100
64 60.9 47.6 71.4
63 31.6 24.6 37.0

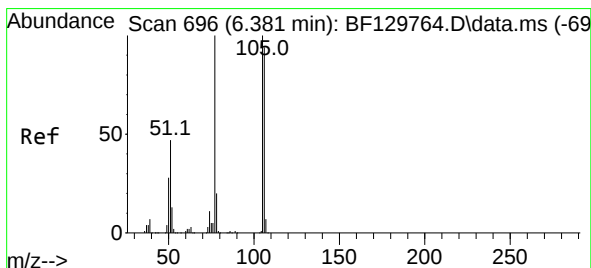
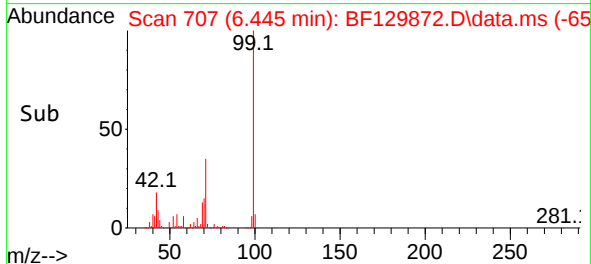
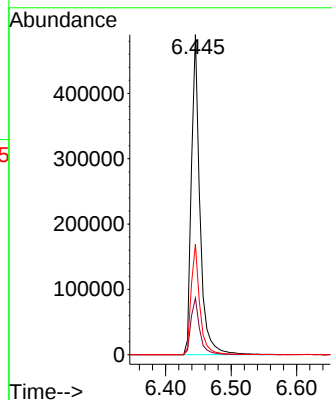
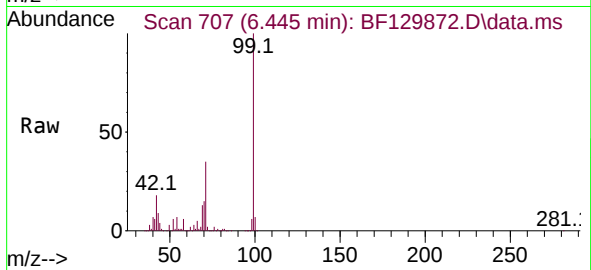




#7
Phenol-d6
Concen: 43.855 ng
RT: 6.445 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

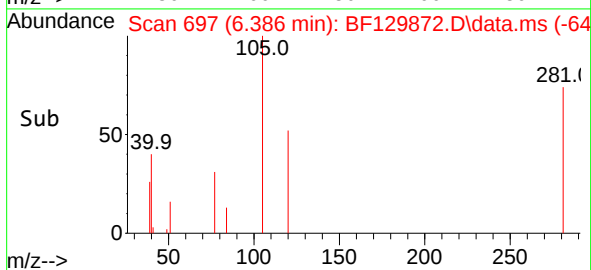
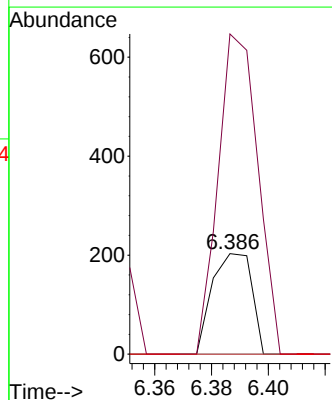
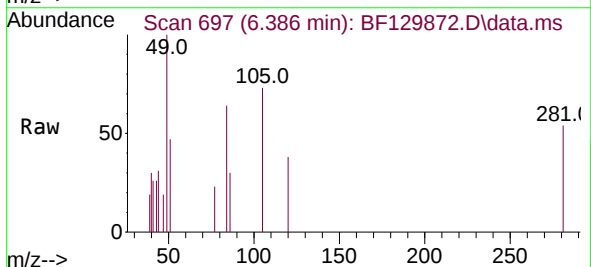
Instrument :
BNA_F
ClientSampleId :
SB18

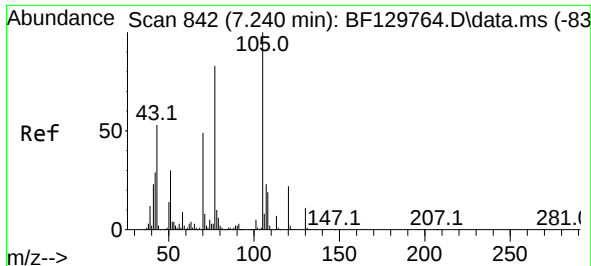
Tgt Ion: 99 Resp: 443007
Ion Ratio Lower Upper
99 100
42 17.7 15.0 22.4
71 34.5 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.386 min Scan# 697
Delta R.T. 0.035 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

Tgt Ion: 77 Resp: 196
Ion Ratio Lower Upper
77 100
105 318.7 80.3 120.3#
106 0.0 74.3 114.3#

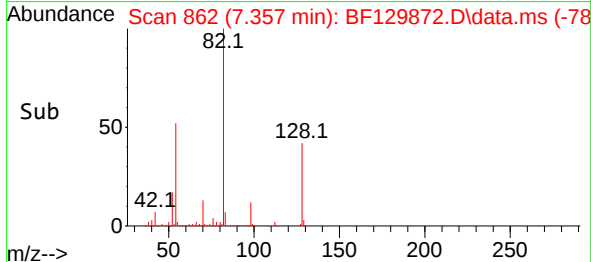
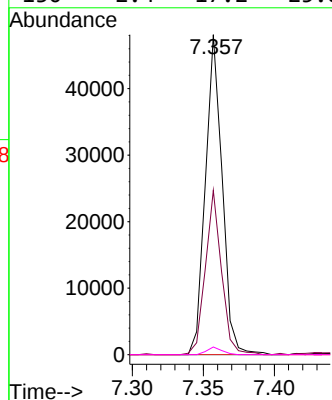
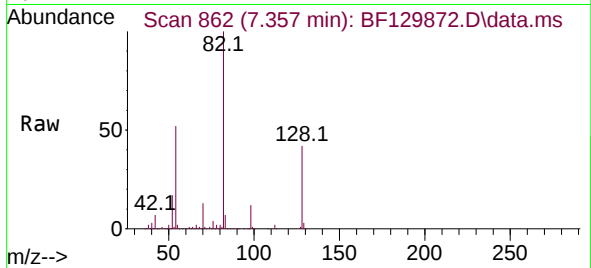




#19
n-Nitroso-di-n-propylamine
Concen: 6.206 ng
RT: 7.357 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

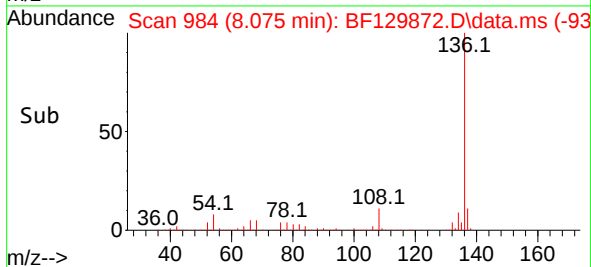
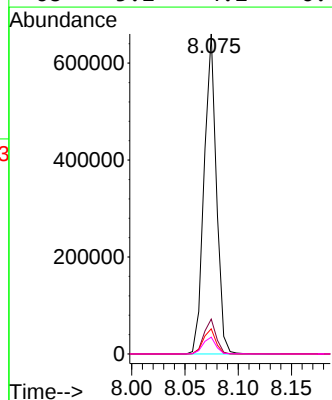
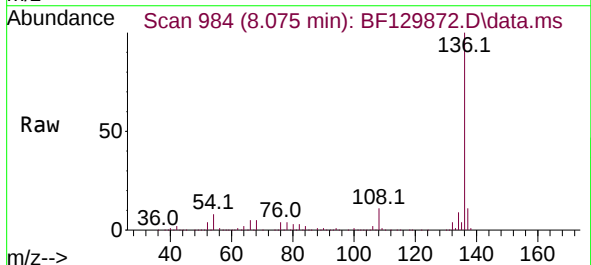
Instrument :
BNA_F
ClientSampleId :
SB18

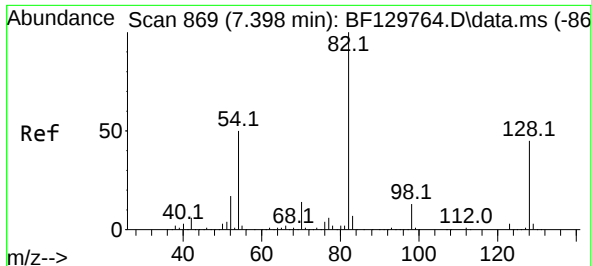
Tgt Ion: 70 Resp: 39629
Ion Ratio Lower Upper
70 100
42 51.3 47.6 71.4
101 0.0 8.1 12.1#
130 2.4 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

Tgt Ion: 136 Resp: 532277
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.8 6.2 9.2
68 5.2 4.2 6.4





#23

Nitrobenzene-d5

Concen: 30.514 ng

RT: 7.357 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF129872.D

Acq: 18 Aug 2022 13:07

Instrument :

BNA_F

ClientSampleId :

SB18

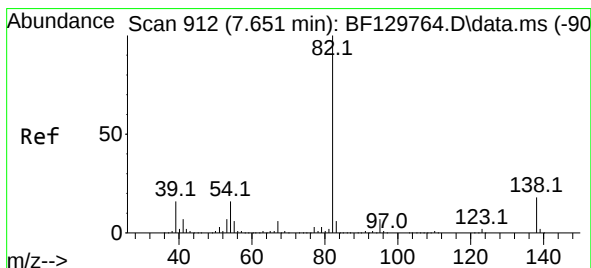
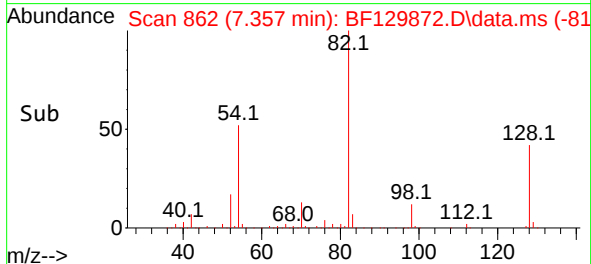
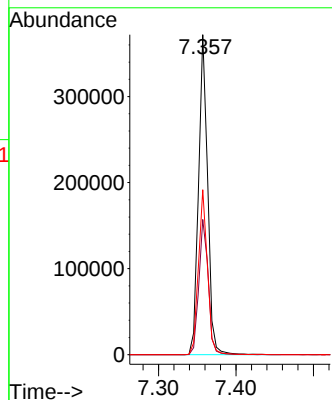
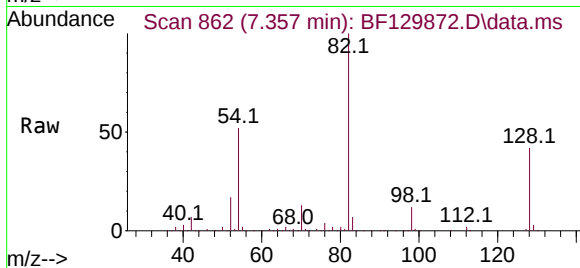
Tgt Ion: 82 Resp: 303408

Ion Ratio Lower Upper

82 100

128 42.3 36.1 54.1

54 51.6 40.0 60.0



#25

Isophorone

Concen: 17.729 ng

RT: 7.357 min Scan# 862

Delta R.T. -0.265 min

Lab File: BF129872.D

Acq: 18 Aug 2022 13:07

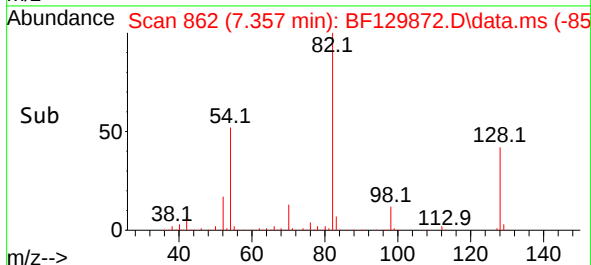
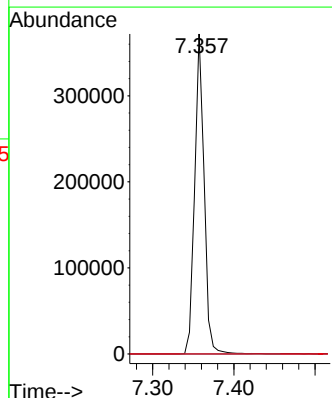
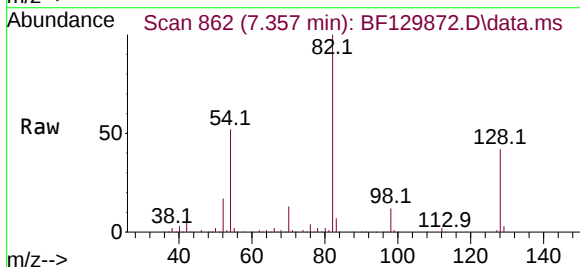
Tgt Ion: 82 Resp: 303406

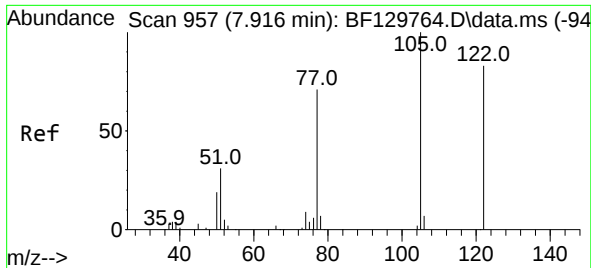
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

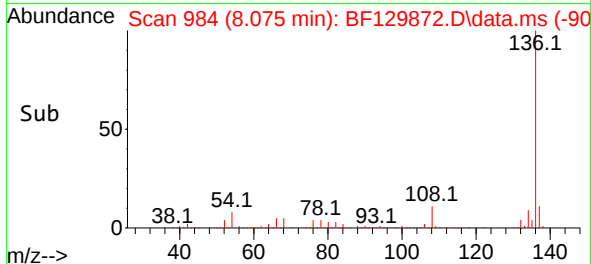
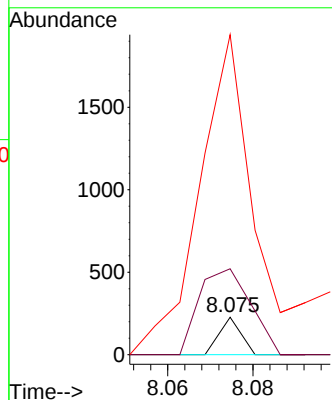
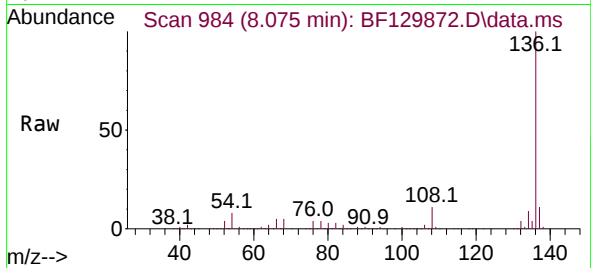




#32
Benzoic acid
Concen: 2.182 ng
RT: 8.075 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

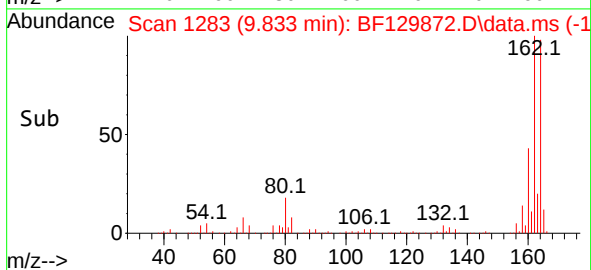
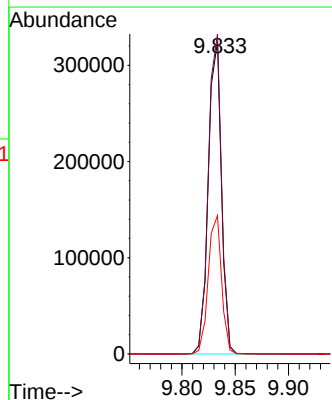
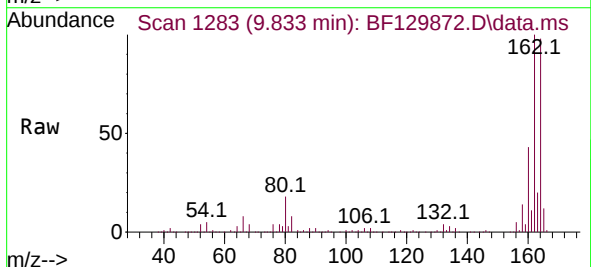
Instrument :
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ClientSampleId :
SB18

Tgt Ion:122 Resp: 80
Ion Ratio Lower Upper
122 100
105 229.5 99.9 139.9#
77 854.6 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

Tgt Ion:164 Resp: 279463
Ion Ratio Lower Upper
164 100
162 102.5 82.0 123.0
160 44.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 24.708 ng

RT: 10.627 min Scan# 1424

Delta R.T. 0.000 min

Lab File: BF129872.D

Acq: 18 Aug 2022 13:07

Instrument :

BNA_F

ClientSampleId :

SB18

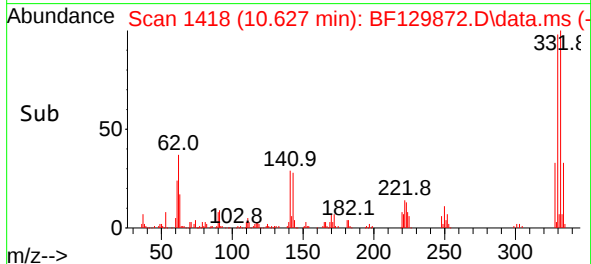
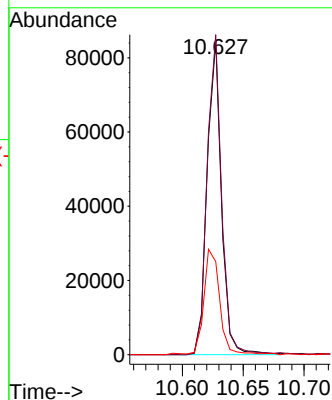
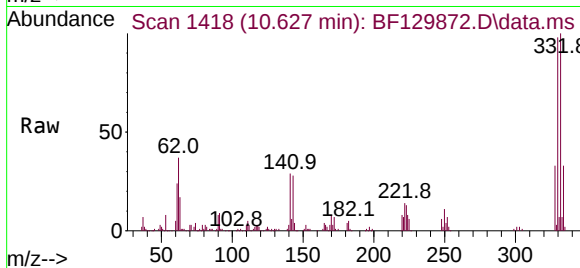
Tgt Ion:330 Resp: 69302

Ion Ratio Lower Upper

330 100

332 103.7 82.6 124.0

141 37.9 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 31.868 ng

RT: 9.151 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF129872.D

Acq: 18 Aug 2022 13:07

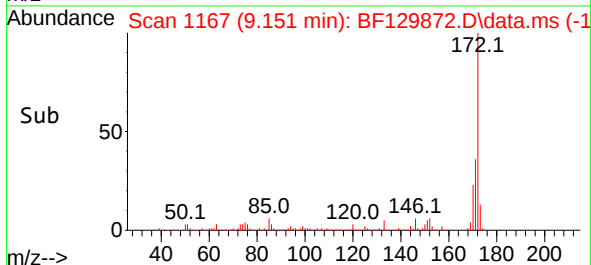
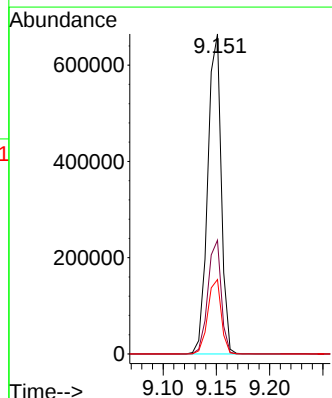
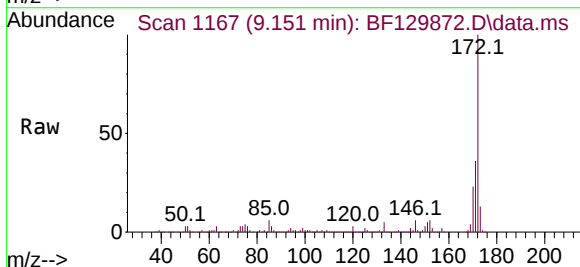
Tgt Ion:172 Resp: 586384

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.2 19.1 28.7

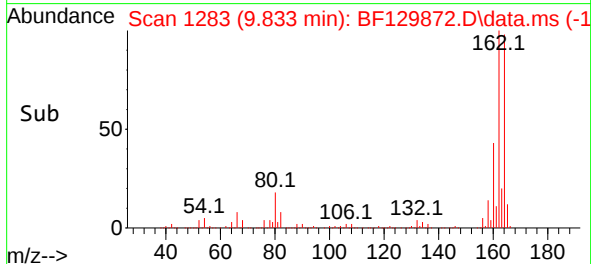
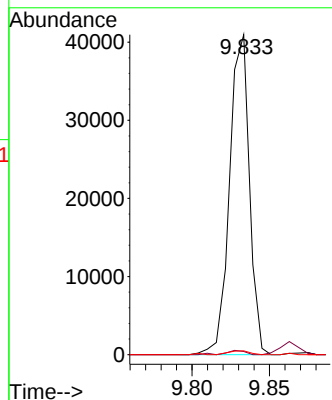
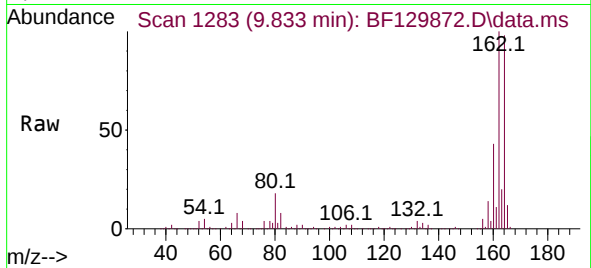




#51
2,6-Dinitrotoluene
Concen: 8.388 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

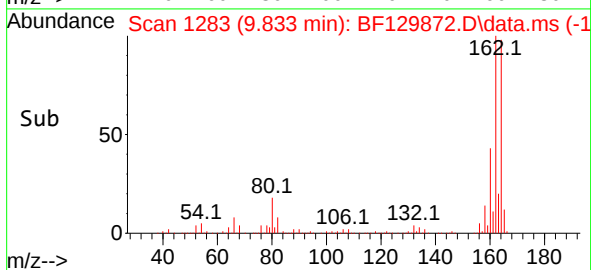
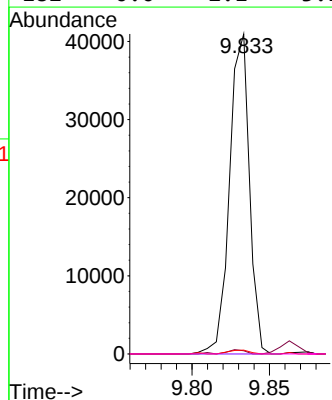
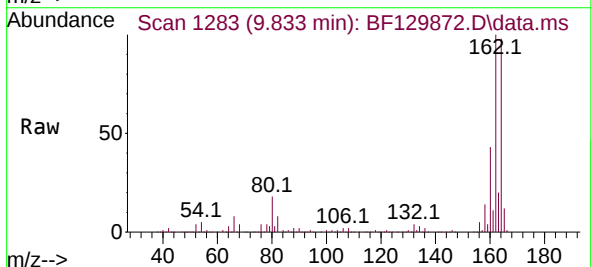
Instrument :
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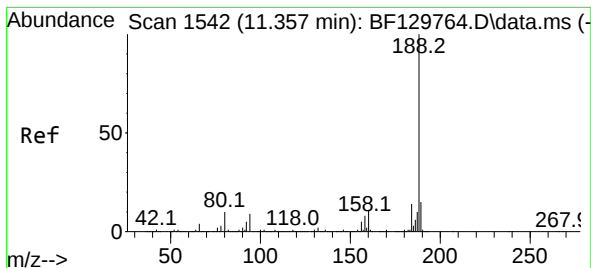
Tgt Ion:165 Resp: 36452
Ion Ratio Lower Upper
165 100
63 1.0 47.8 71.8#
89 1.2 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.462 ng
RT: 9.833 min Scan# 1283
Delta R.T. -0.206 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

Tgt Ion:165 Resp: 36452
Ion Ratio Lower Upper
165 100
63 1.0 48.4 72.6#
89 1.2 62.3 93.5#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129872.D

Acq: 18 Aug 2022 13:07

Instrument :

BNA_F

ClientSampleId :

SB18

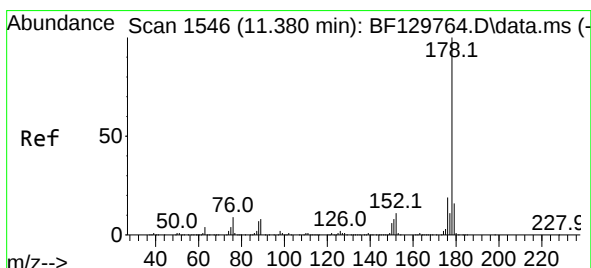
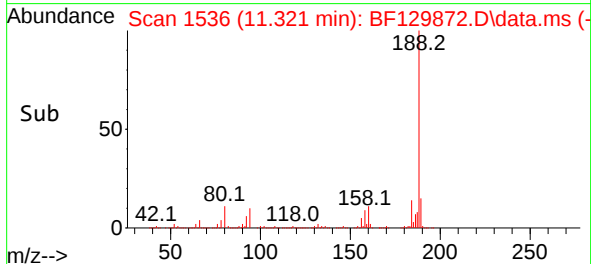
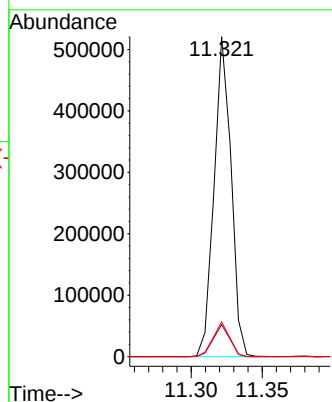
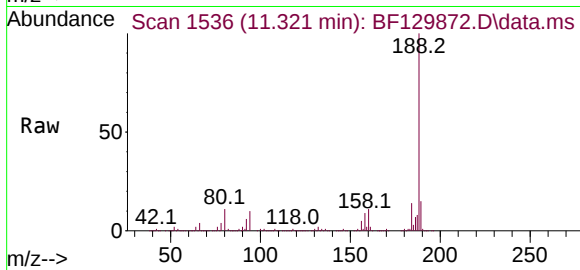
Tgt Ion:188 Resp: 432444

Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.2

80 10.8 7.9 11.9



#71

Phenanthrene

Concen: 9.389 ng

RT: 11.345 min Scan# 1540

Delta R.T. -0.006 min

Lab File: BF129872.D

Acq: 18 Aug 2022 13:07

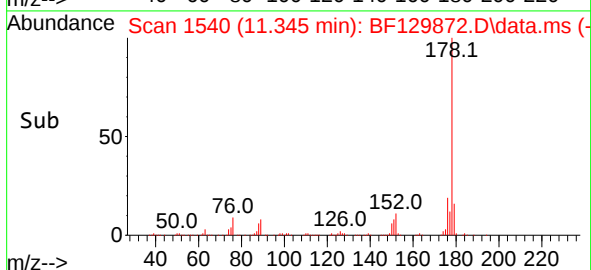
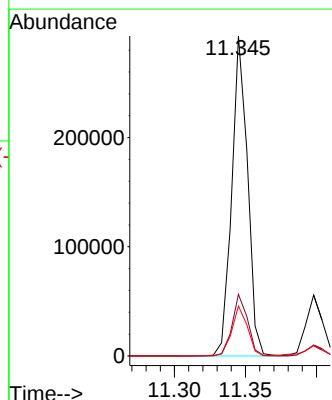
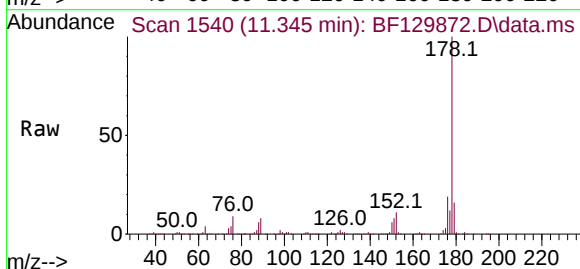
Tgt Ion:178 Resp: 226756

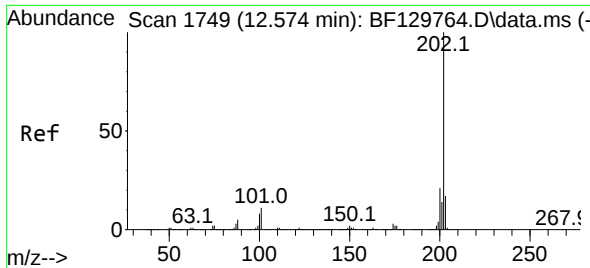
Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.6 12.5 18.7

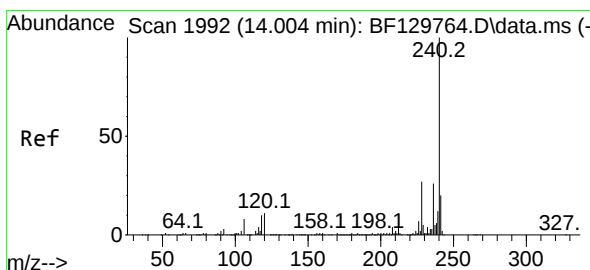
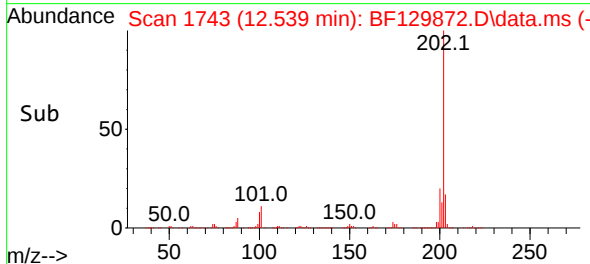
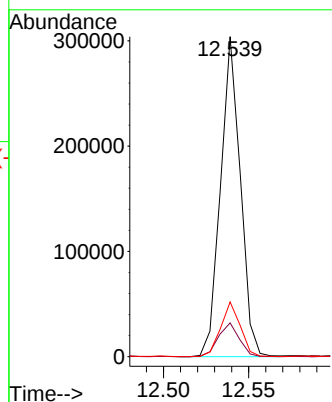
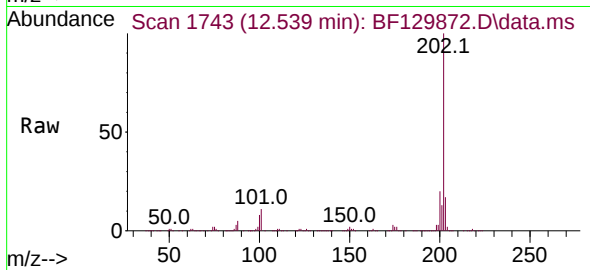




#75
Fluoranthene
Concen: 9.963 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

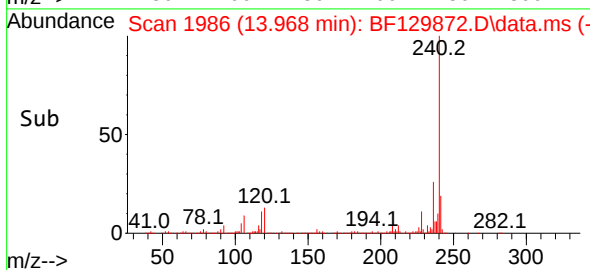
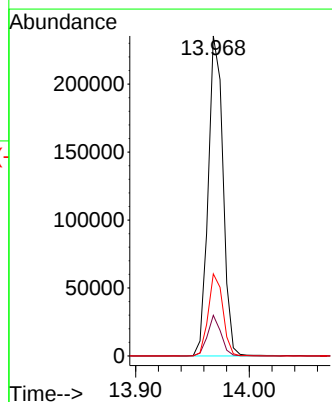
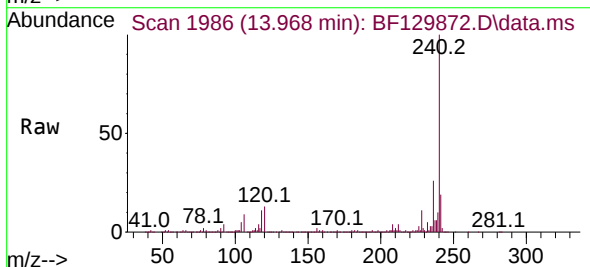
Instrument :
BNA_F
ClientSampleId :
SB18

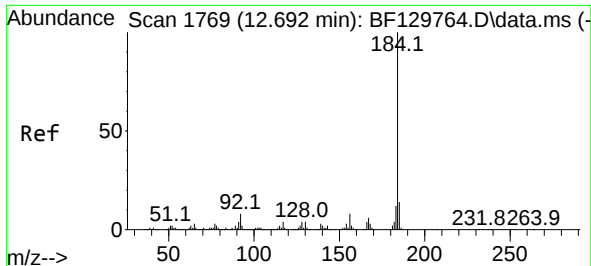
Tgt Ion:202 Resp: 246229
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 17.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

Tgt Ion:240 Resp: 212811
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 25.6 20.7 31.1

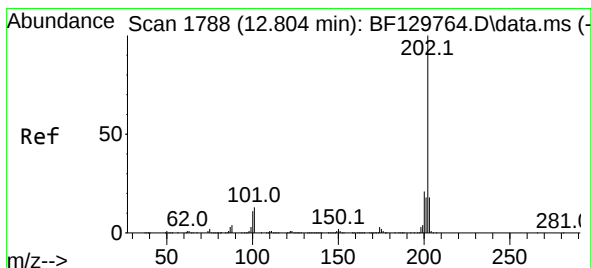
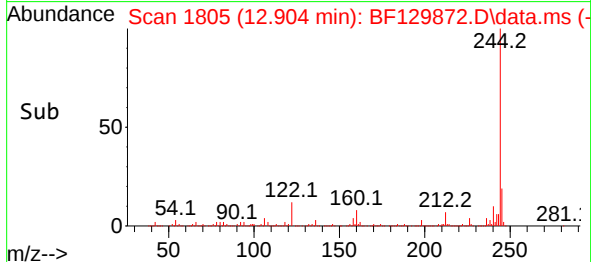
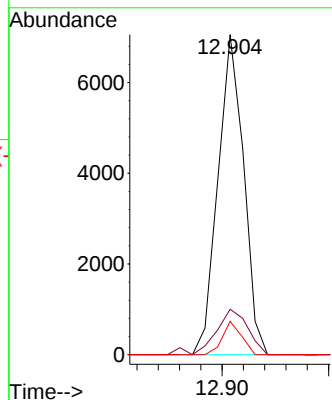
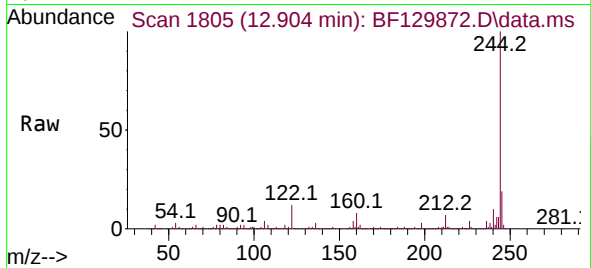




#77
Benzidine
Concen: Below Cal
RT: 12.904 min Scan# 1805
Delta R.T. 0.241 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

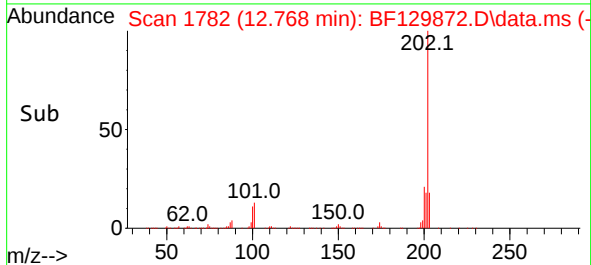
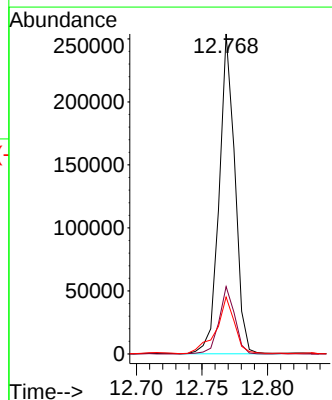
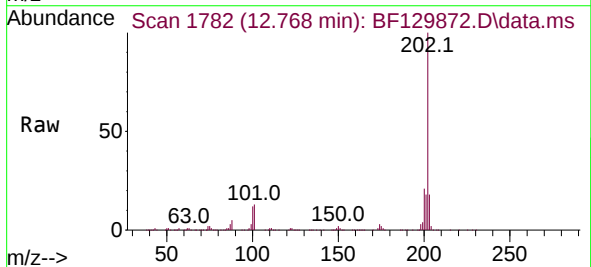
Instrument :
BNA_F
ClientSampleId :
SB18

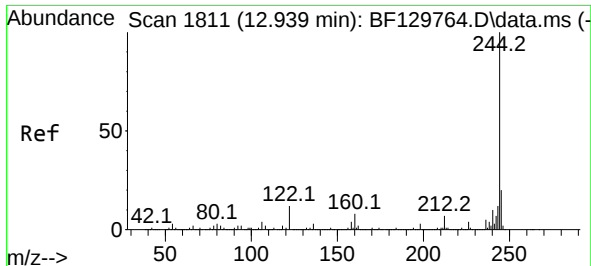
Tgt Ion:184 Resp: 5904
Ion Ratio Lower Upper
184 100
185 14.2 11.4 17.2
183 10.4 9.4 14.2



#78
Pyrene
Concen: 11.406 ng
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

Tgt Ion:202 Resp: 210941
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 17.8 14.1 21.1

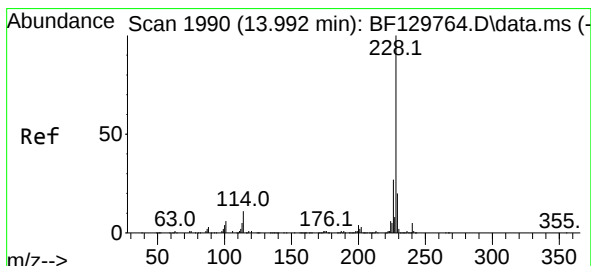
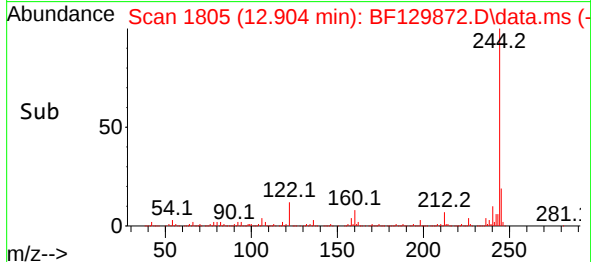
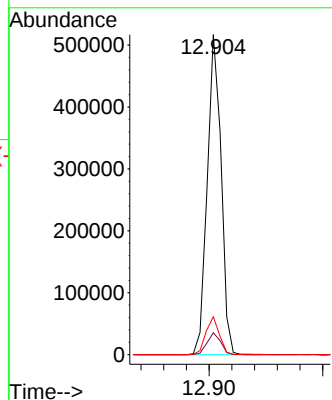
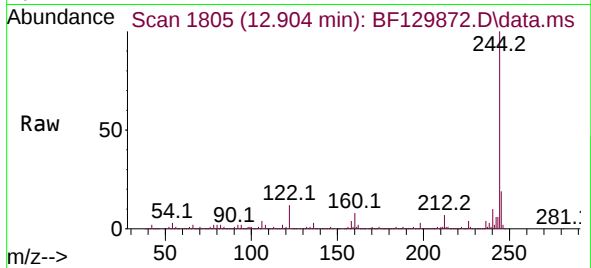




#79
 Terphenyl-d14
 Concen: 34.135 ng
 RT: 12.904 min Scan# 1805
 Delta R.T. -0.006 min
 Lab File: BF129872.D
 Acq: 18 Aug 2022 13:07

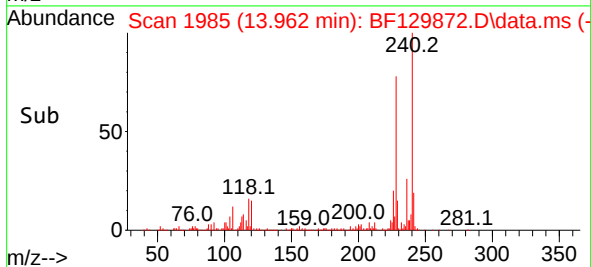
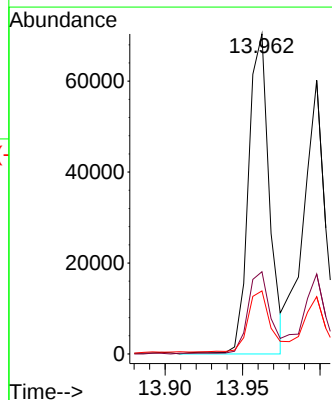
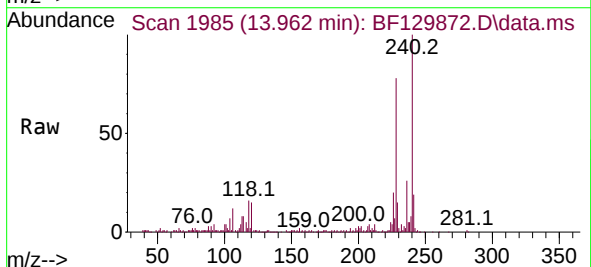
Instrument :
 BNA_F
 ClientSampleId :
 SB18

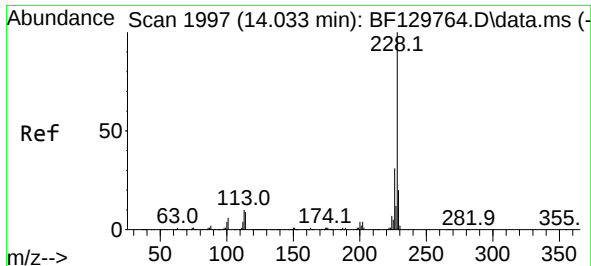
Tgt Ion:244 Resp: 436568
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 11.8 9.9 14.9



#81
 Benzo(a)anthracene
 Concen: 4.486 ng
 RT: 13.962 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: BF129872.D
 Acq: 18 Aug 2022 13:07

Tgt Ion:228 Resp: 65667
 Ion Ratio Lower Upper
 228 100
 226 25.7 21.4 32.0
 229 19.7 16.1 24.1

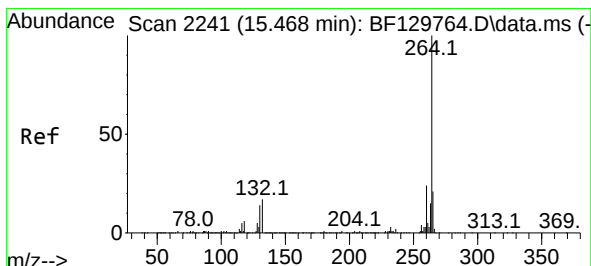
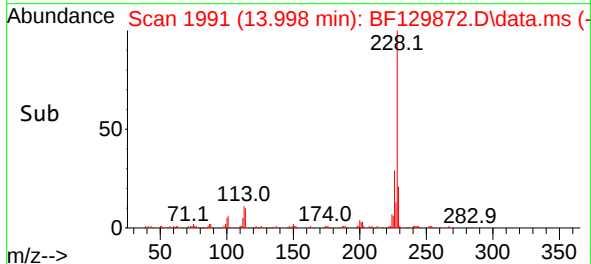
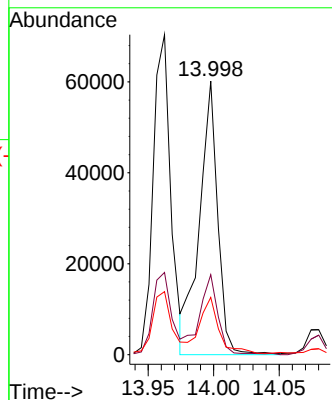
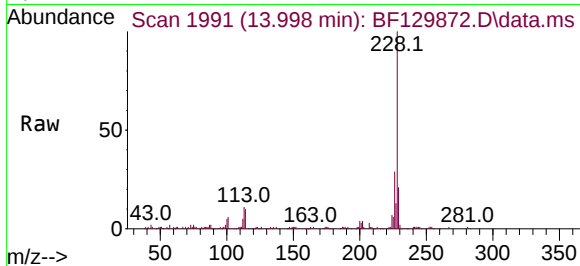




#83
Chrysene
Concen: 4.294 ng
RT: 13.998 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

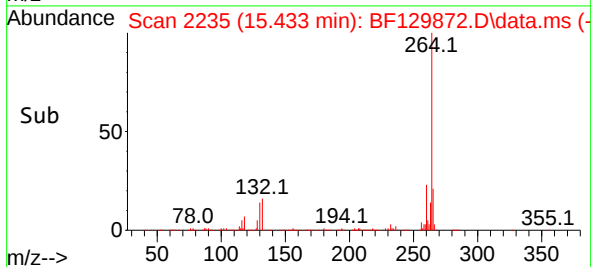
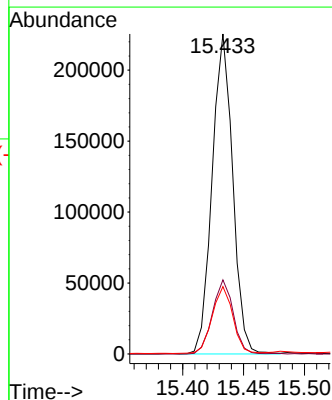
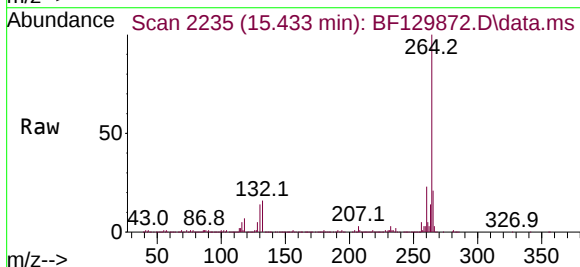
Instrument :
BNA_F
ClientSampleId :
SB18

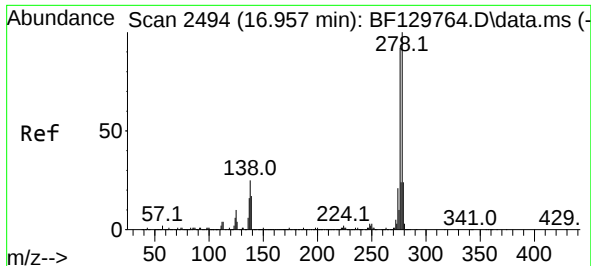
Tgt Ion:228 Resp: 58837
Ion Ratio Lower Upper
228 100
226 29.2 24.4 36.6
229 20.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2235
Delta R.T. 0.006 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

Tgt Ion:264 Resp: 265070
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.0 16.7 25.1

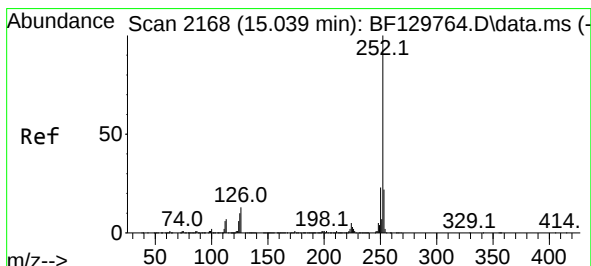
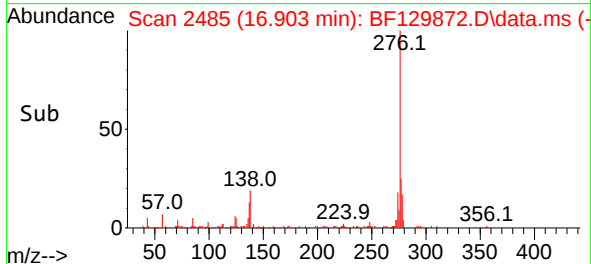
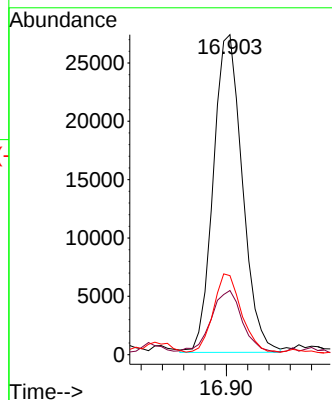
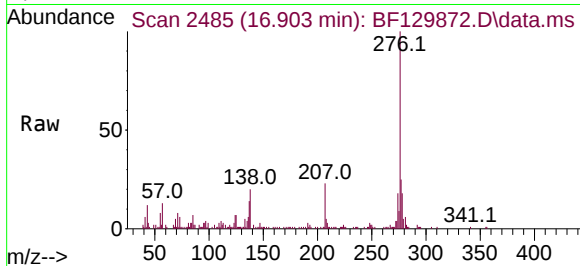




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.833 ng
RT: 16.903 min Scan# 2494
Delta R.T. 0.000 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

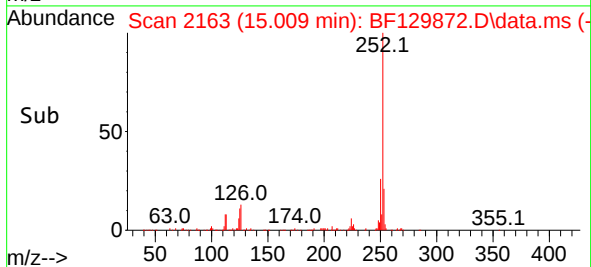
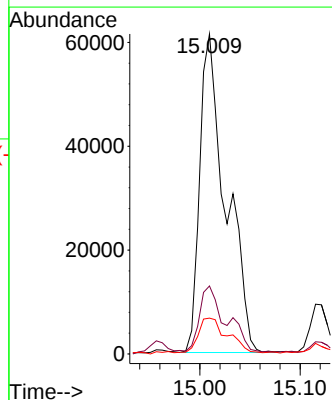
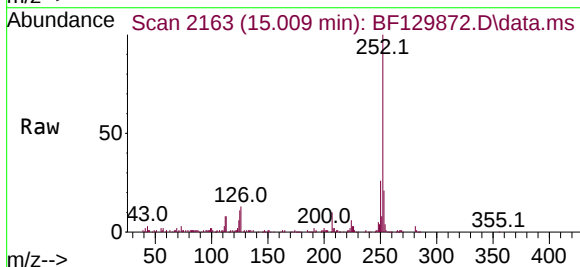
Instrument :
BNA_F
ClientSampleId :
SB18

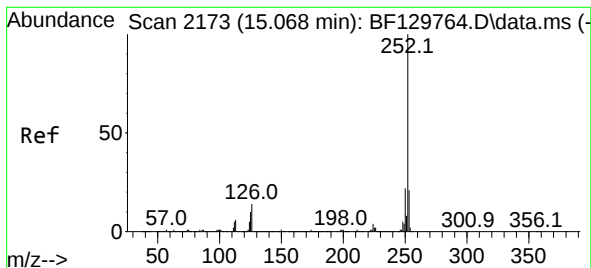
Tgt Ion:276 Resp: 51562
Ion Ratio Lower Upper
276 100
138 20.6 19.8 29.8
277 24.7 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 6.122 ng
RT: 15.009 min Scan# 2163
Delta R.T. 0.006 min
Lab File: BF129872.D
Acq: 18 Aug 2022 13:07

Tgt Ion:252 Resp: 111117
Ion Ratio Lower Upper
252 100
253 21.3 17.5 26.3
125 11.2 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 6.384 ng

RT: 15.009 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF129872.D

Acq: 18 Aug 2022 13:07

Instrument :

BNA_F

ClientSampleId :

SB18

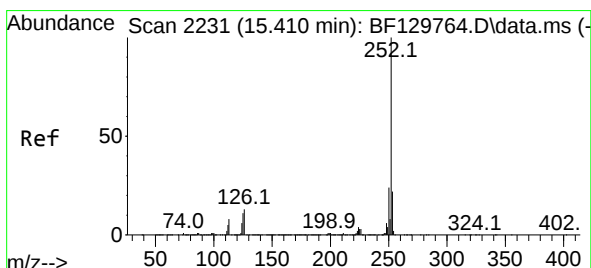
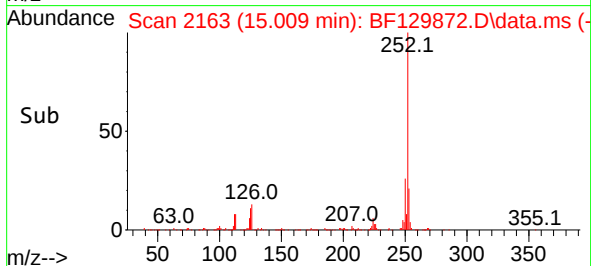
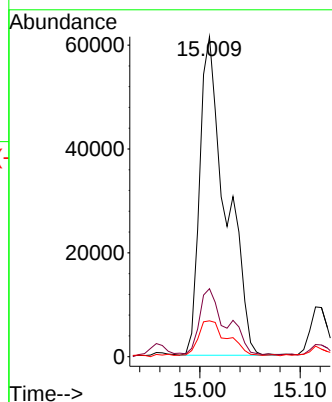
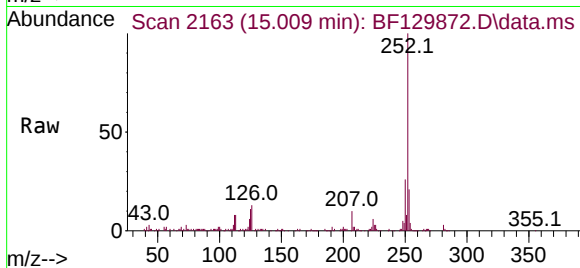
Tgt Ion:252 Resp: 111117

Ion Ratio Lower Upper

252 100

253 21.3 17.1 25.7

125 11.2 8.3 12.5



#90

Benzo(a)pyrene

Concen: 4.777 ng

RT: 15.374 min Scan# 2225

Delta R.T. 0.006 min

Lab File: BF129872.D

Acq: 18 Aug 2022 13:07

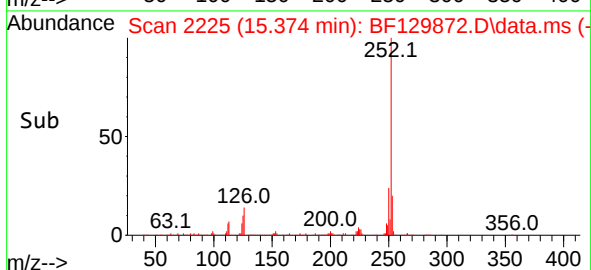
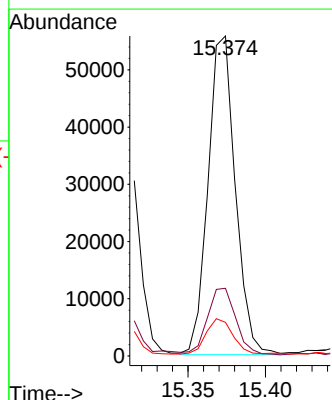
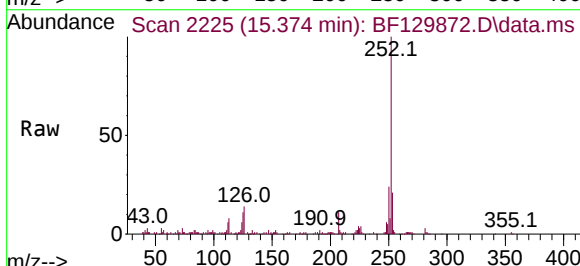
Tgt Ion:252 Resp: 68281

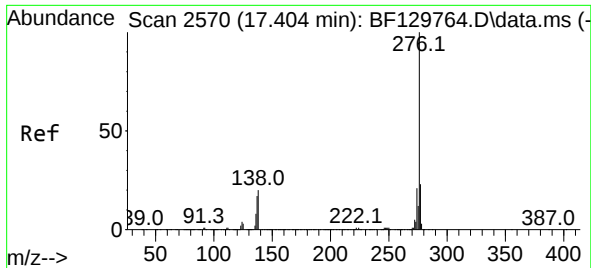
Ion Ratio Lower Upper

252 100

253 21.2 17.2 25.8

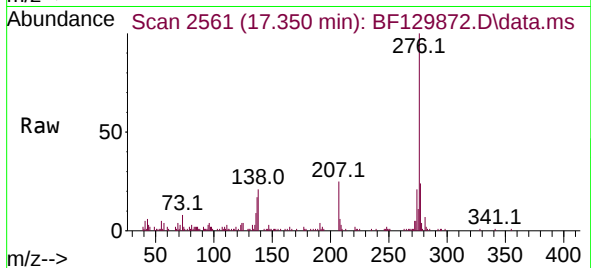
125 10.5 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.522 ng
 RT: 17.350 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF129872.D
 Acq: 18 Aug 2022 13:07

Instrument :
 BNA_F
 ClientSampleId :
 SB18



Tgt Ion:	276	Resp:	52752
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.2	27.4
138	20.8	15.8	23.8

