

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
 Data File : BF129865.D
 Acq On : 18 Aug 2022 02:33
 Operator : CG\JU
 Sample : N4216-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081522DL

Quant Time: Aug 18 05:43:27 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 05:28:24 2022
 Response via : Initial Calibration

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

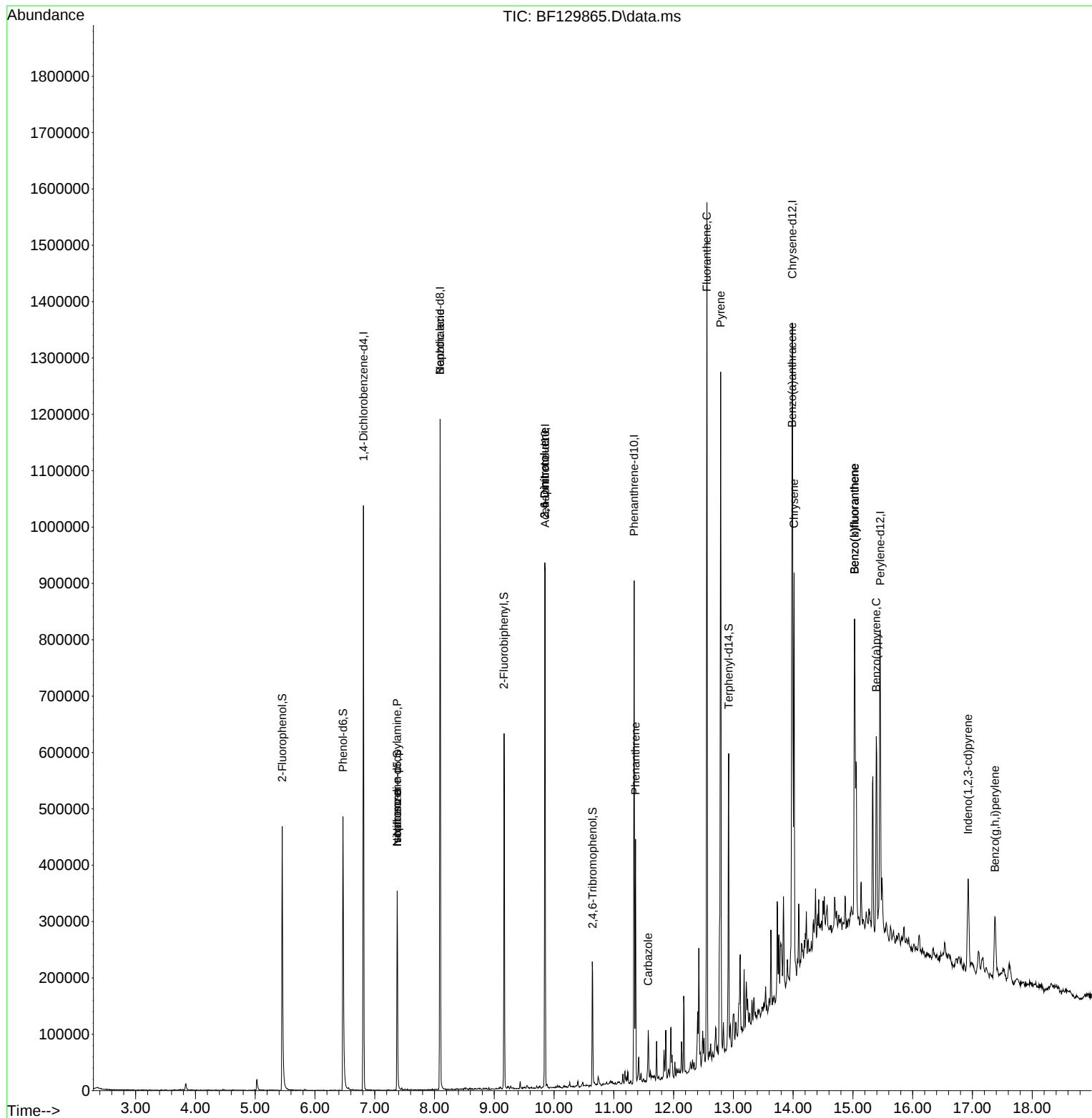
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	137986	20.000	ng	0.00
21) Naphthalene-d8	8.093	136	488278	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	198457	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	283126	20.000	ng	0.00
76) Chrysene-d12	13.986	240	294154	20.000	ng	0.00
86) Perylene-d12	15.457	264	247086	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	147046	17.644	ng	0.00
7) Phenol-d6	6.469	99	178998	17.151	ng	0.00
23) Nitrobenzene-d5	7.375	82	105532	11.570	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	26220	13.164	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	180414	13.807	ng	0.00
79) Terphenyl-d14	12.922	244	162101	9.170	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	54	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.375	70	13980	2.119	ng	# 77
25) Isophorone	7.375	82	105532	6.722	ng	# 65
32) Benzoic acid	8.093	122	60	2.176	ng	# 1
51) 2,6-Dinitrotoluene	9.845	165	25077	8.126	ng	# 22
57) 2,4-Dinitrotoluene	9.845	165	25077	6.260	ng	# 18
71) Phenanthrene	11.363	178	144187	9.119	ng	97
73) Carbazole	11.575	167	33258	2.330	ng	99
75) Fluoranthene	12.557	202	542393	33.521	ng	99
77) Benzidine	12.680	184	285	Below Cal	#	1
78) Pyrene	12.786	202	462192	18.081	ng	100
81) Benzo(a)anthracene	13.980	228	235025	11.615	ng	99
83) Chrysene	14.016	228	272719	14.398	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	91259	5.380	ng	93
88) Benzo(b)fluoranthene	15.027	252	381567	22.552	ng	99
89) Benzo(k)fluoranthene	15.027	252	381567	23.516	ng	99
90) Benzo(a)pyrene	15.392	252	162309	12.182	ng	# 95
92) Benzo(g,h,i)perylene	17.374	276	84502	6.052	ng	96

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

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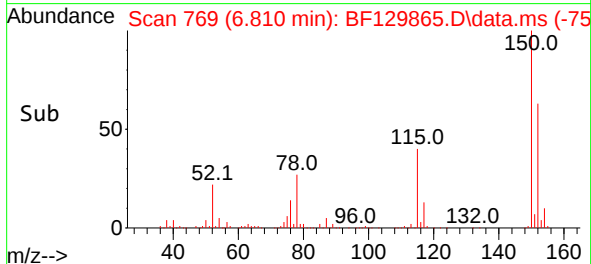
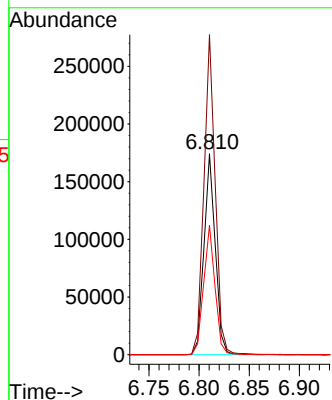
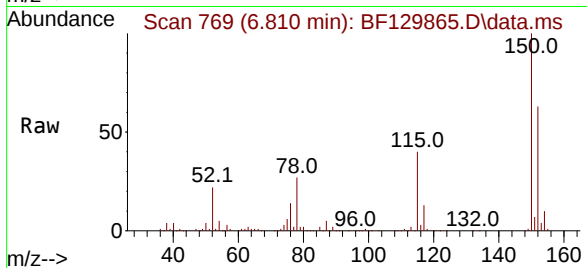




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

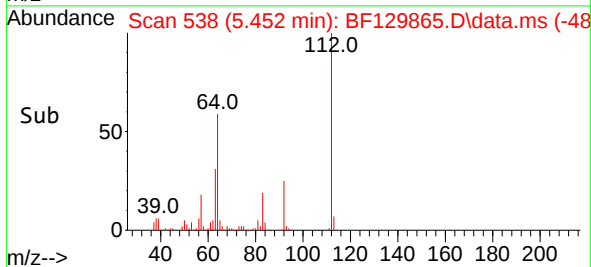
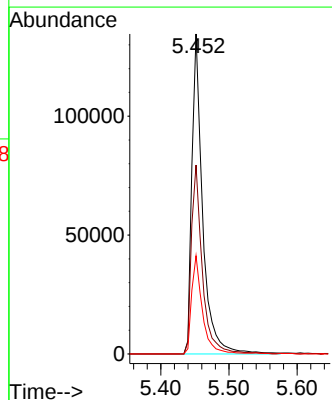
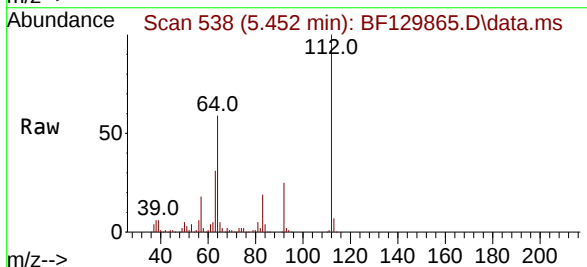
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BNA_F
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NB-08-081522DL

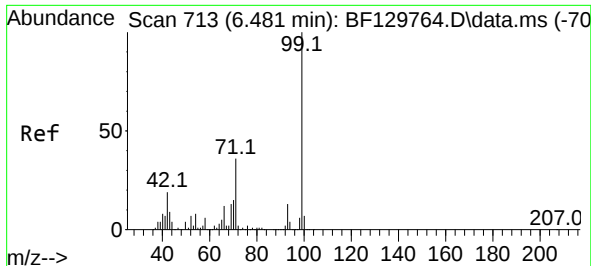
Tgt Ion:152 Resp: 137986
Ion Ratio Lower Upper
152 100
150 159.2 126.9 190.3
115 64.4 53.4 80.0



#5
2-Fluorophenol
Concen: 17.644 ng
RT: 5.452 min Scan# 538
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Tgt Ion:112 Resp: 147046
Ion Ratio Lower Upper
112 100
64 59.0 47.6 71.4
63 30.7 24.6 37.0

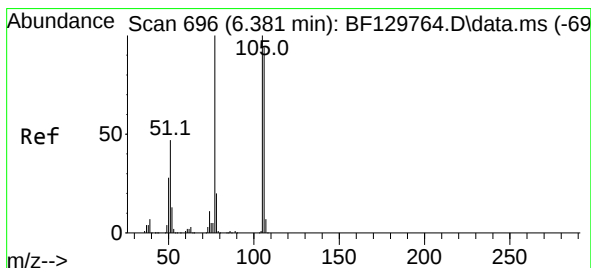
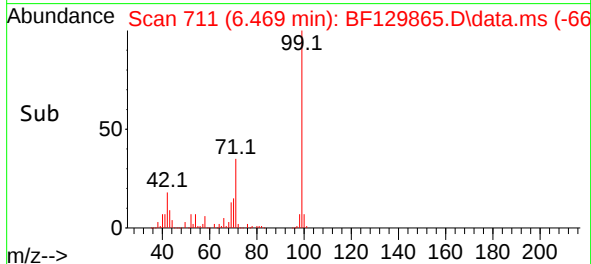
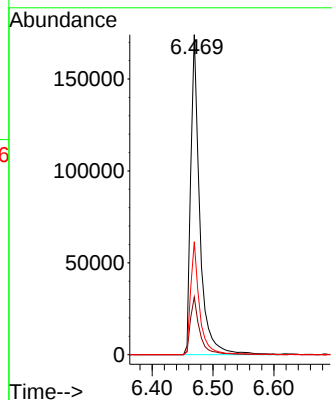
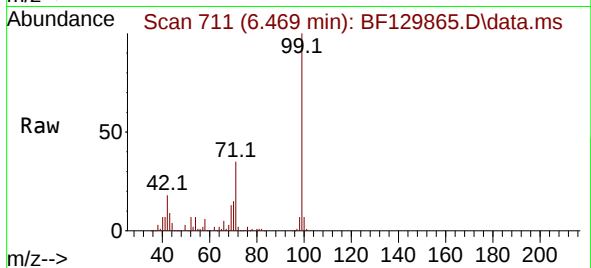




#7
Phenol-d6
Concen: 17.151 ng
RT: 6.469 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

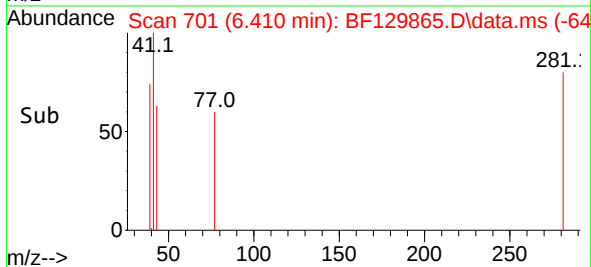
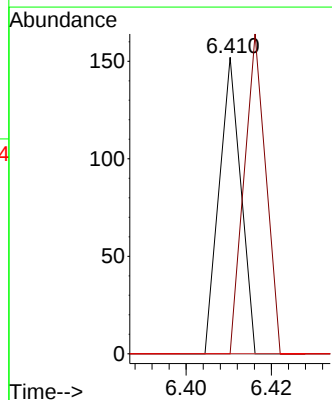
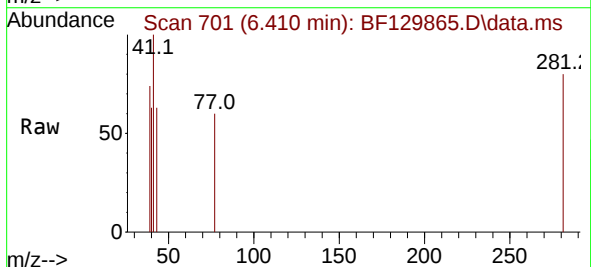
Instrument :
BNA_F
ClientSampleId :
NB-08-081522DL

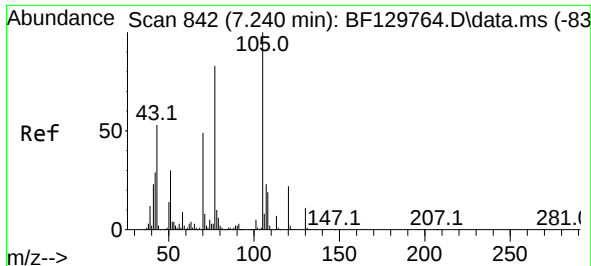
Tgt Ion: 99 Resp: 178998
Ion Ratio Lower Upper
99 100
42 18.0 15.0 22.4
71 35.3 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.410 min Scan# 701
Delta R.T. 0.041 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Tgt Ion: 77 Resp: 54
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

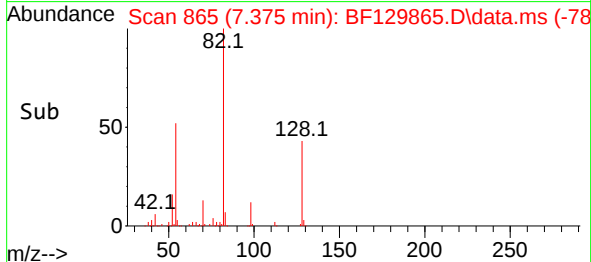
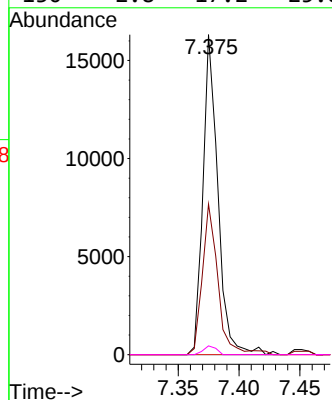
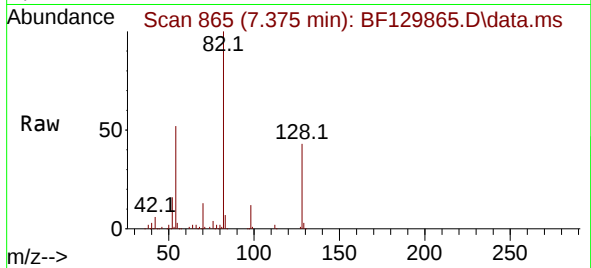




#19
n-Nitroso-di-n-propylamine
Concen: 2.119 ng
RT: 7.375 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

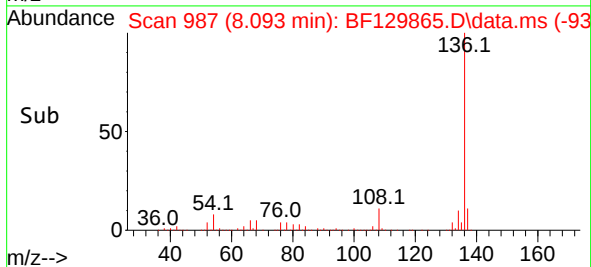
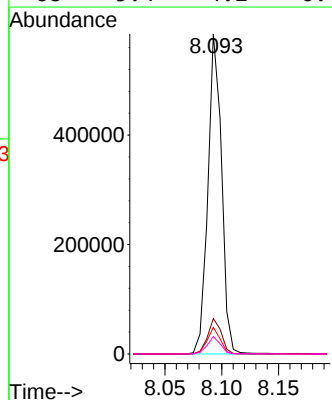
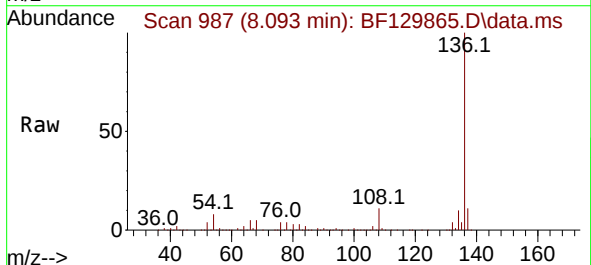
Instrument :
BNA_F
ClientSampleId :
NB-08-081522DL

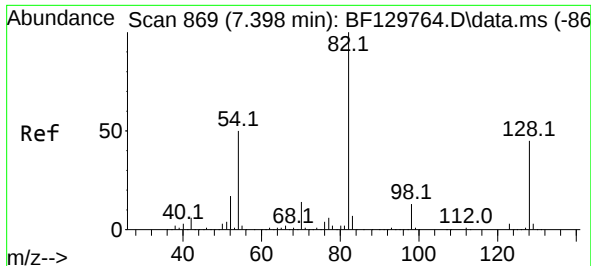
Tgt Ion: 70 Resp: 13980
Ion Ratio Lower Upper
70 100
42 47.1 47.6 71.4#
101 0.0 8.1 12.1#
130 2.8 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.093 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Tgt Ion: 136 Resp: 488278
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.3 6.2 9.2
68 5.4 4.2 6.4





#23

Nitrobenzene-d5

Concen: 11.570 ng

RT: 7.375 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

Instrument :

BNA_F

ClientSampleId :

NB-08-081522DL

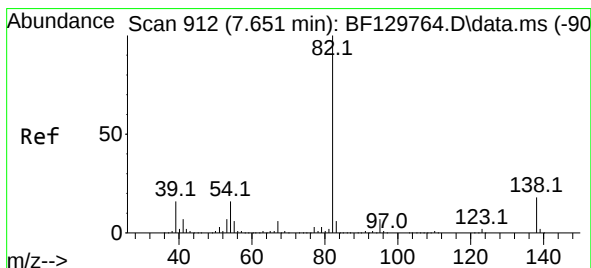
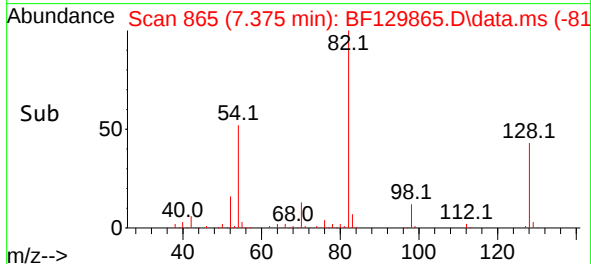
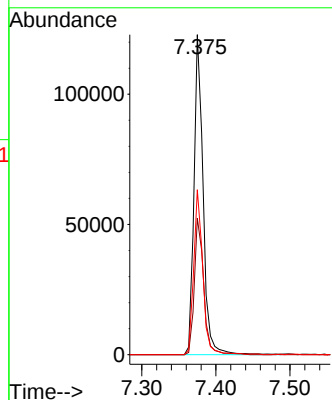
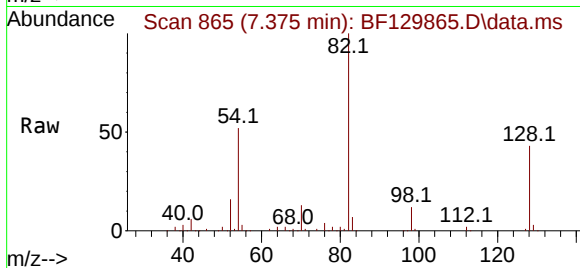
Tgt Ion: 82 Resp: 105532

Ion Ratio Lower Upper

82 100

128 42.7 36.1 54.1

54 51.6 40.0 60.0



#25

Isophorone

Concen: 6.722 ng

RT: 7.375 min Scan# 865

Delta R.T. -0.265 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

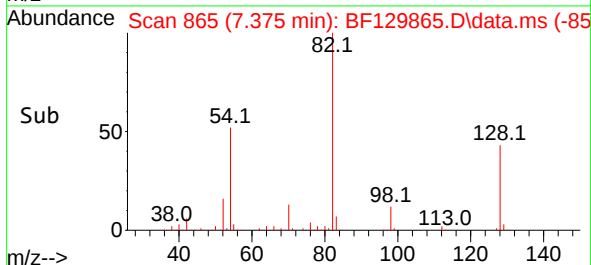
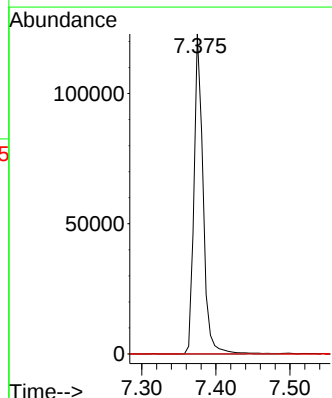
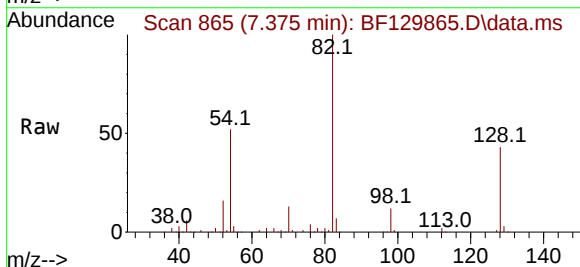
Tgt Ion: 82 Resp: 105532

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

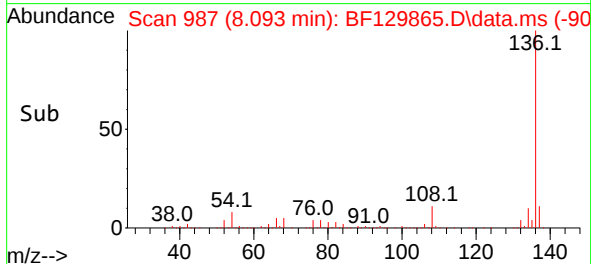
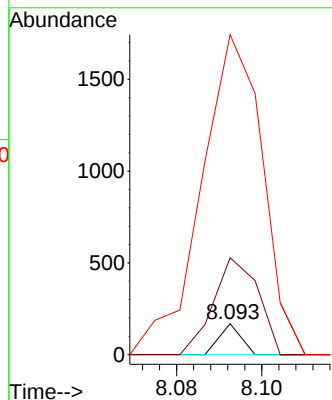
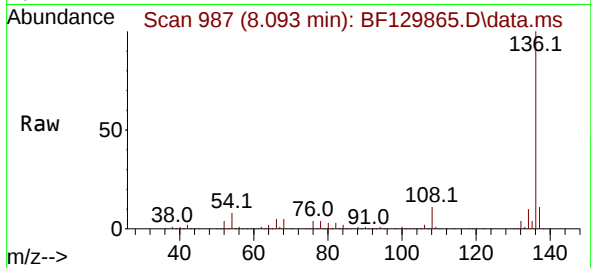




#32
Benzoic acid
Concen: 2.176 ng
RT: 8.093 min Scan# 91
Delta R.T. 0.194 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

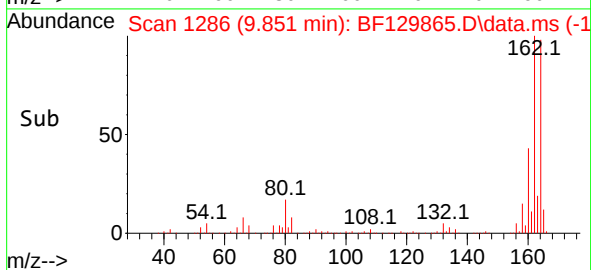
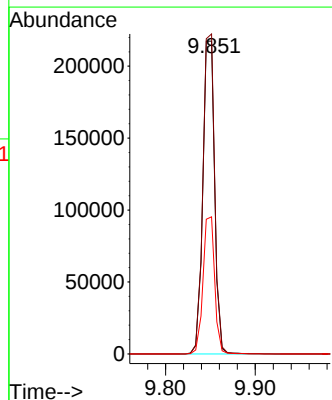
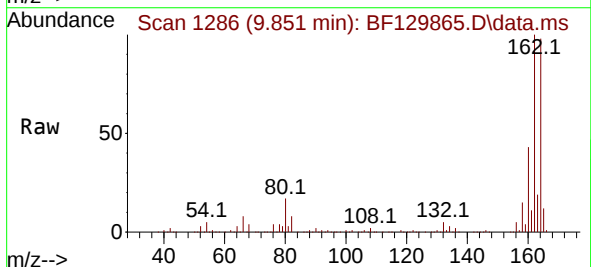
Instrument :
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Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 312.4 99.9 139.9#
77 1031.4 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Tgt Ion:164 Resp: 198457
Ion Ratio Lower Upper
164 100
162 102.3 82.0 123.0
160 43.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 13.164 ng

RT: 10.645 min Scan# 1424

Delta R.T. 0.000 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

Instrument :

BNA_F

ClientSampleId :

NB-08-081522DL

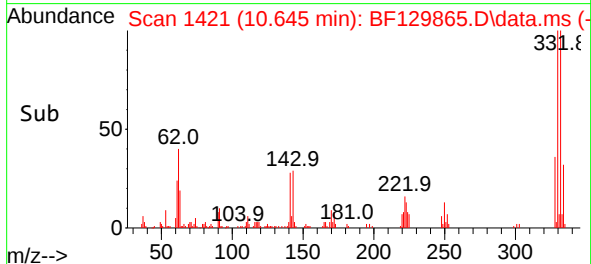
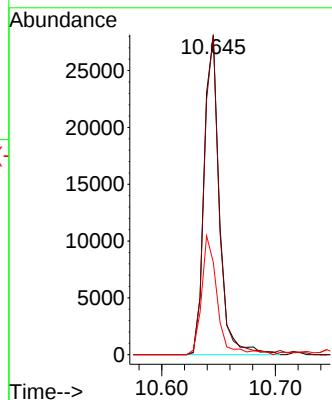
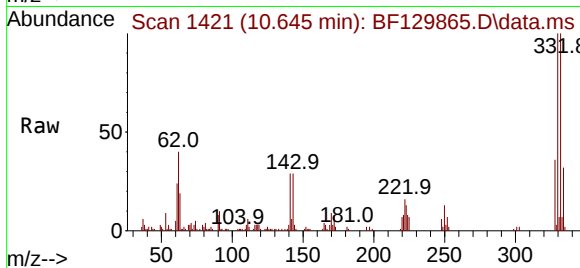
Tgt Ion:330 Resp: 26220

Ion Ratio Lower Upper

330 100

332 98.1 82.6 124.0

141 38.1 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 13.807 ng

RT: 9.163 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

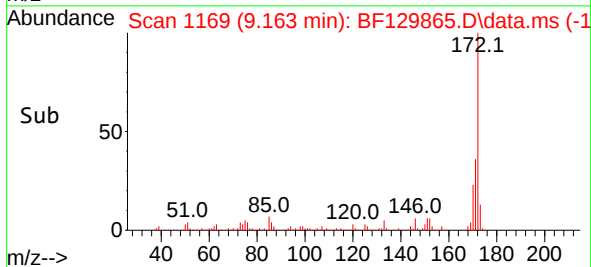
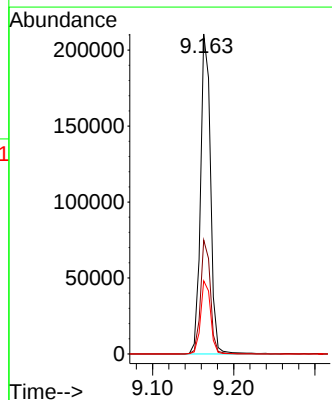
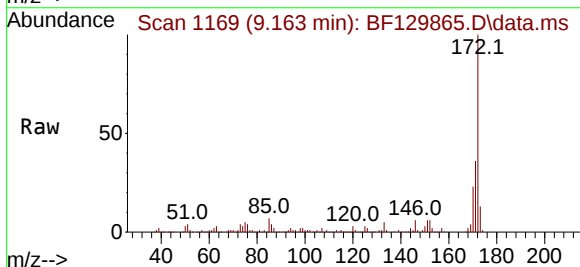
Tgt Ion:172 Resp: 180414

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 22.9 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.126 ng

RT: 9.845 min Scan# 1285

Delta R.T. 0.200 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

Instrument :

BNA_F

ClientSampleId :

NB-08-081522DL

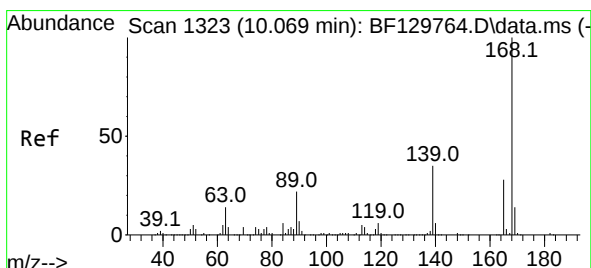
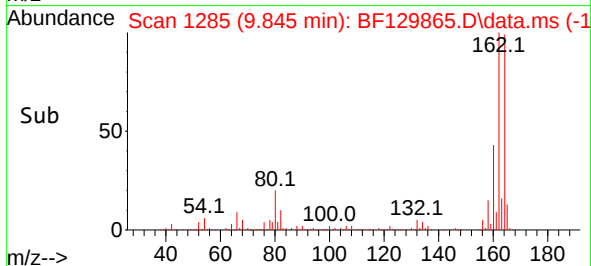
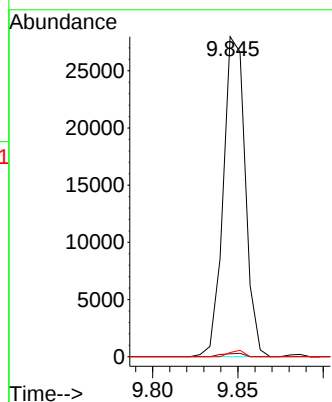
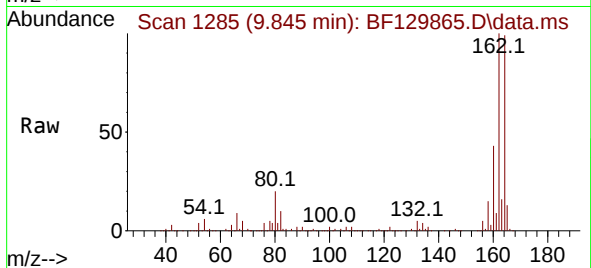
Tgt Ion:165 Resp: 25077

Ion Ratio Lower Upper

165 100

63 0.9 47.8 71.8#

89 1.3 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.260 ng

RT: 9.845 min Scan# 1285

Delta R.T. -0.212 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

Tgt Ion:165 Resp: 25077

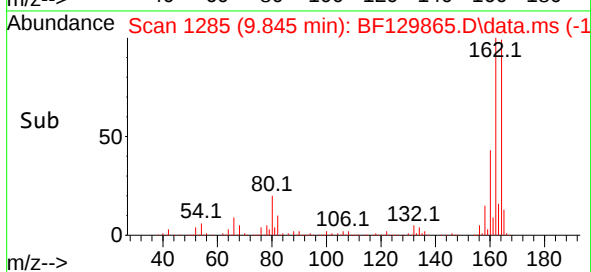
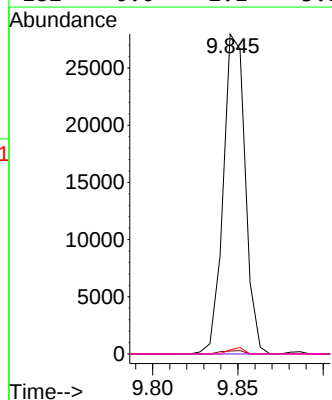
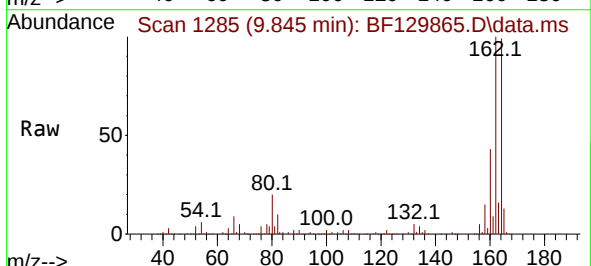
Ion Ratio Lower Upper

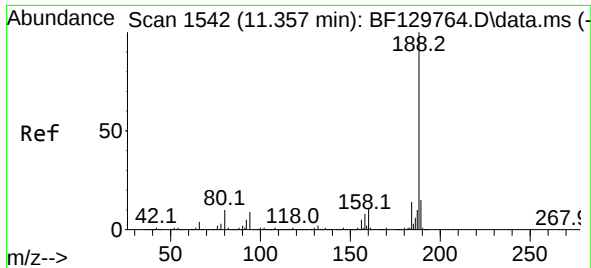
165 100

63 0.9 48.4 72.6#

89 1.3 62.3 93.5#

182 0.0 2.1 3.1#

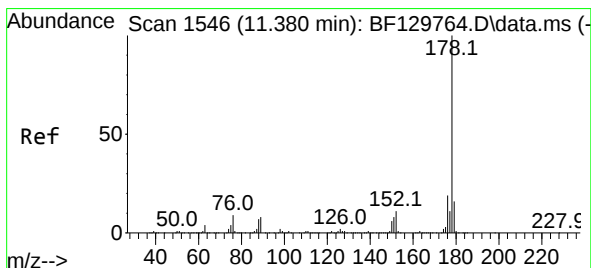
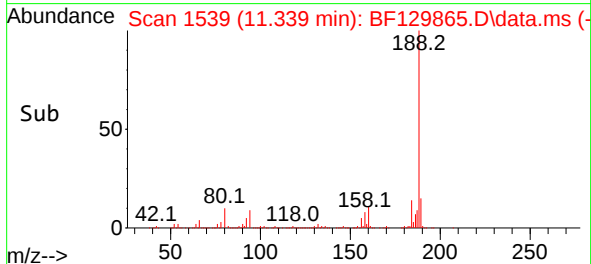
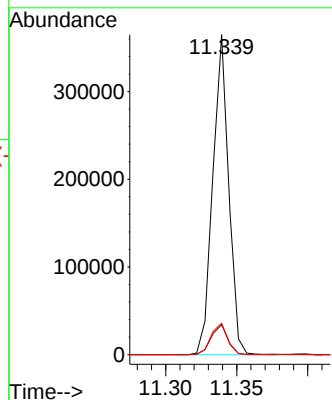
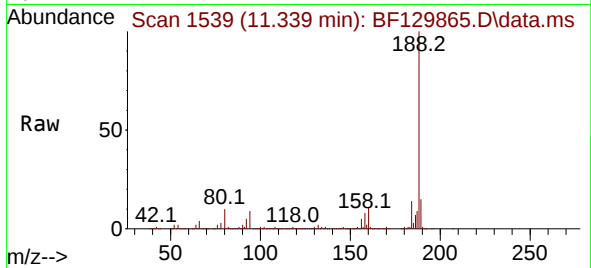




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

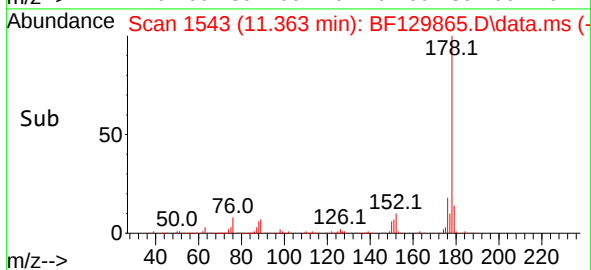
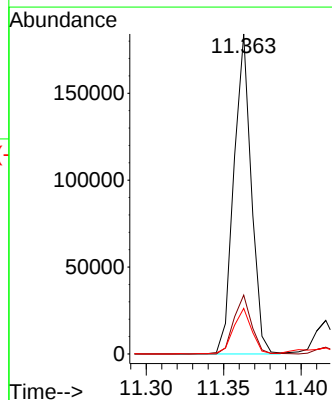
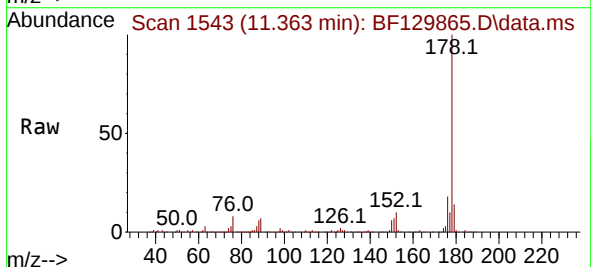
Instrument :
BNA_F
ClientSampleId :
NB-08-081522DL

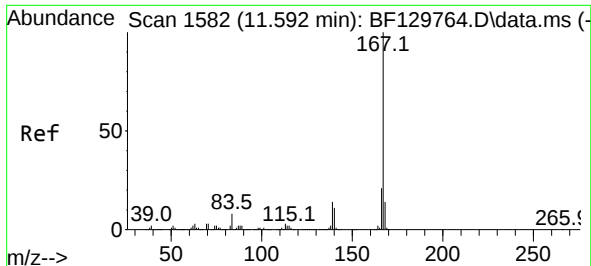
Tgt Ion:188 Resp: 283126
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 9.8 7.9 11.9



#71
Phenanthrene
Concen: 9.119 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Tgt Ion:178 Resp: 144187
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 14.3 12.5 18.7

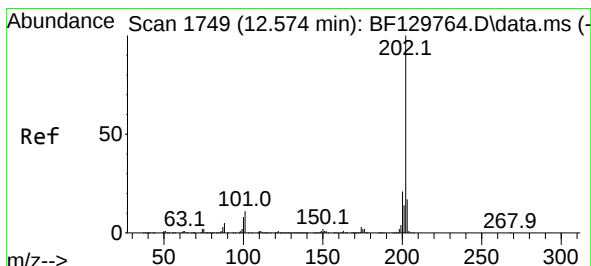
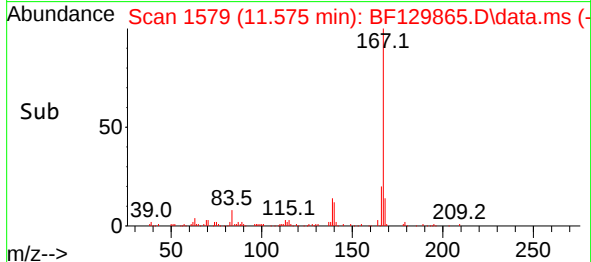
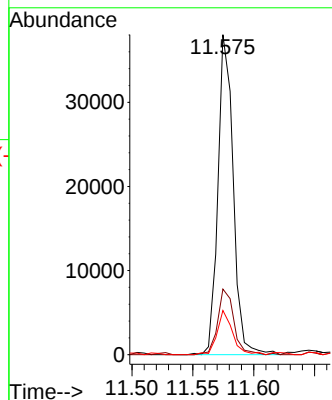
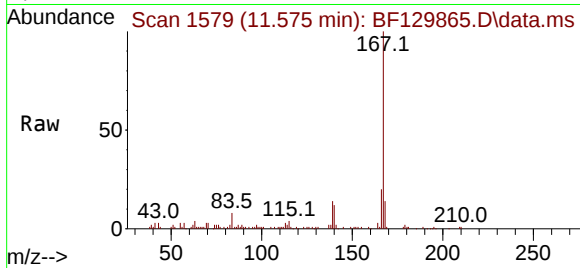




#73
 Carbazole
 Concen: 2.330 ng
 RT: 11.575 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129865.D
 Acq: 18 Aug 2022 02:33

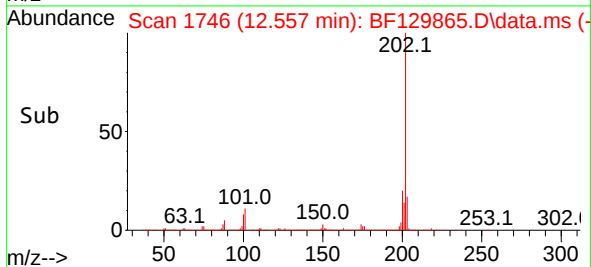
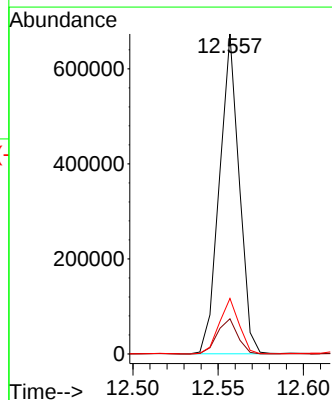
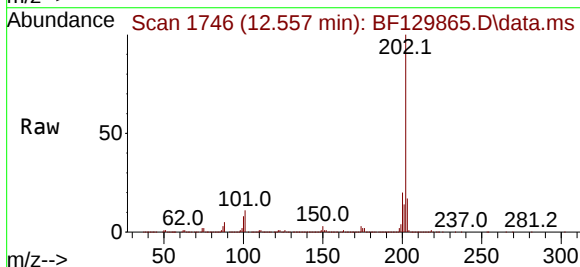
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081522DL

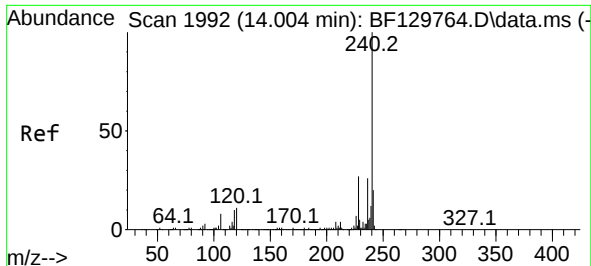
Tgt Ion:167 Resp: 33258
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.1 25.7
 139 13.8 11.0 16.6



#75
 Fluoranthene
 Concen: 33.521 ng
 RT: 12.557 min Scan# 1746
 Delta R.T. 0.000 min
 Lab File: BF129865.D
 Acq: 18 Aug 2022 02:33

Tgt Ion:202 Resp: 542393
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.7
 203 17.4 0.0 37.5

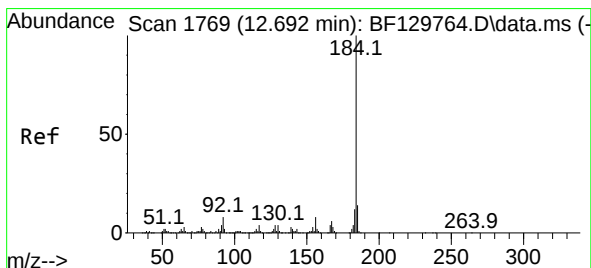
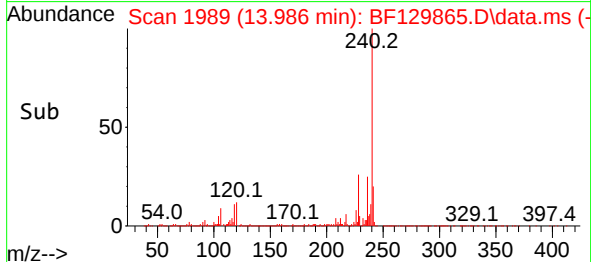
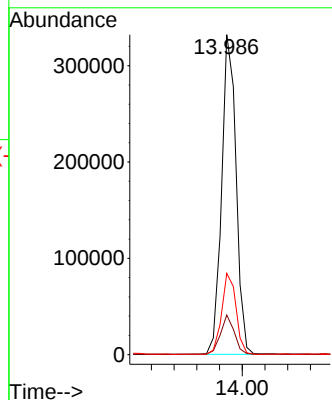
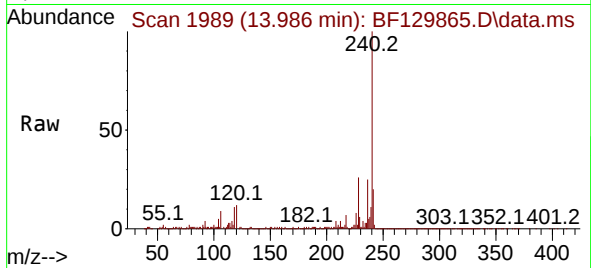




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

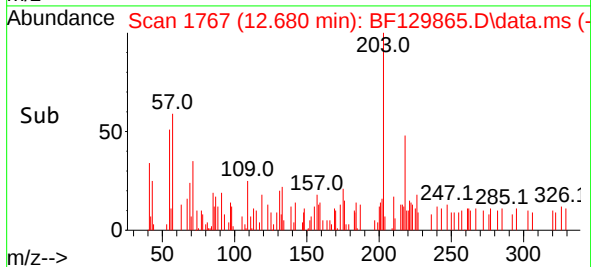
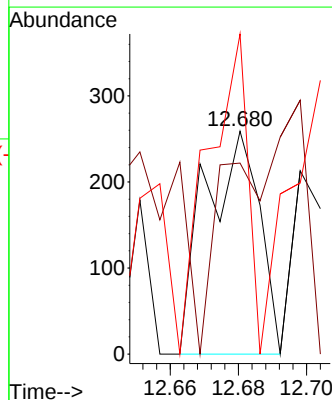
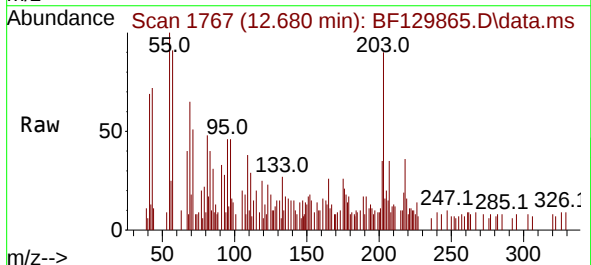
Instrument :
BNA_F
ClientSampleId :
NB-08-081522DL

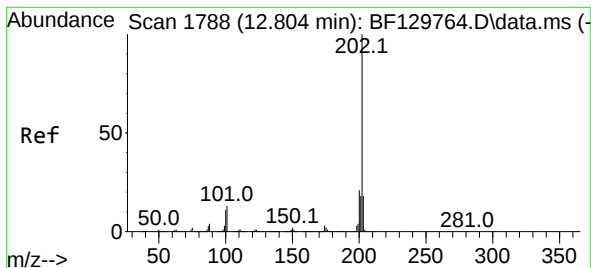
Tgt Ion:240 Resp: 294154
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 25.4 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.680 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Tgt Ion:184 Resp: 285
Ion Ratio Lower Upper
184 100
185 85.7 11.4 17.2#
183 143.6 9.4 14.2#





#78

Pyrene

Concen: 18.081 ng

RT: 12.786 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

Instrument :

BNA_F

ClientSampleId :

NB-08-081522DL

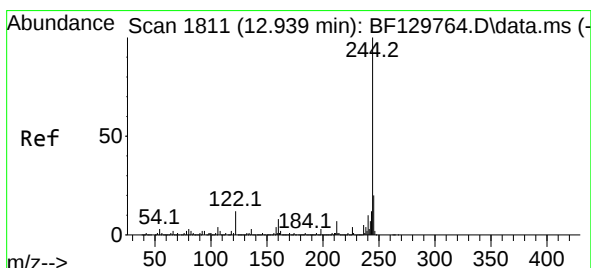
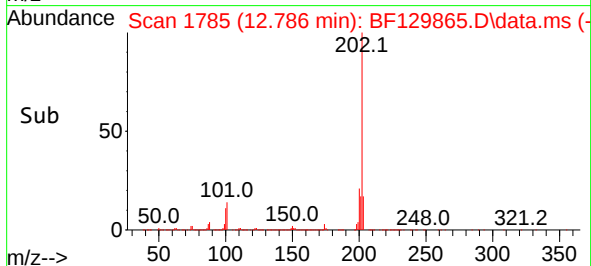
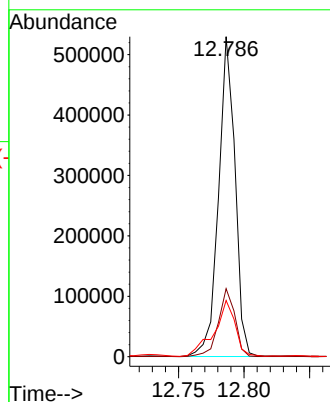
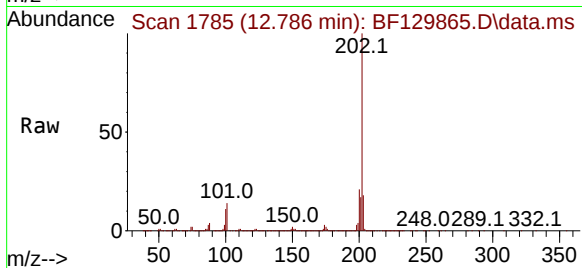
Tgt Ion:202 Resp: 462192

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 9.170 ng

RT: 12.922 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

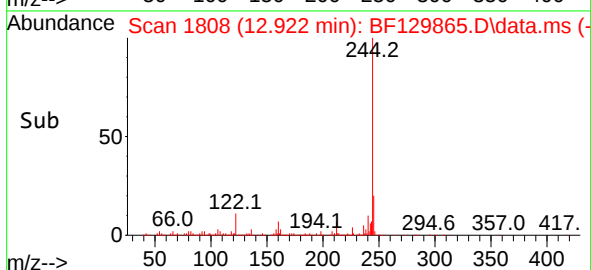
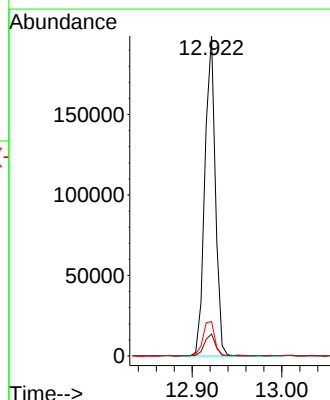
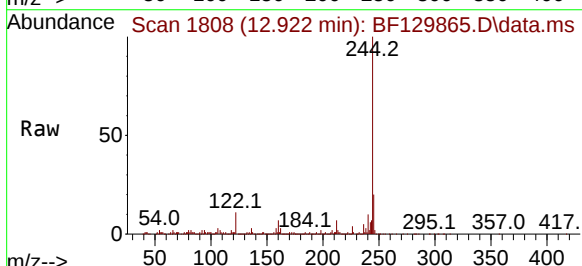
Tgt Ion:244 Resp: 162101

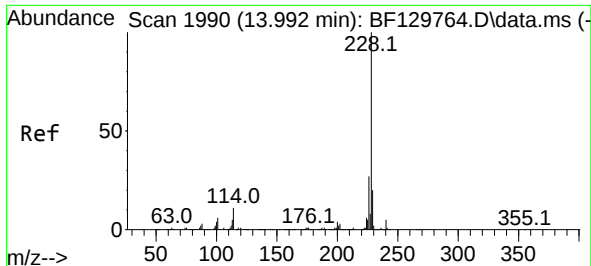
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 10.8 9.9 14.9

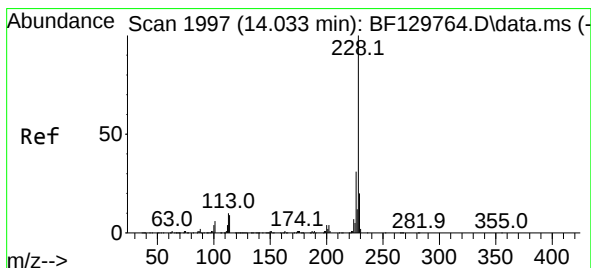
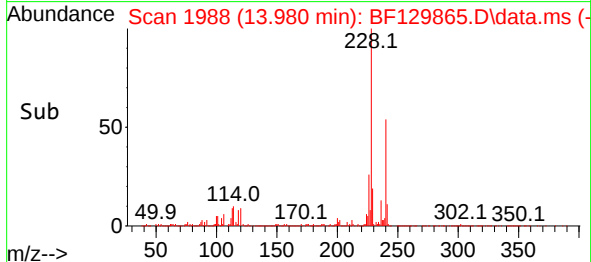
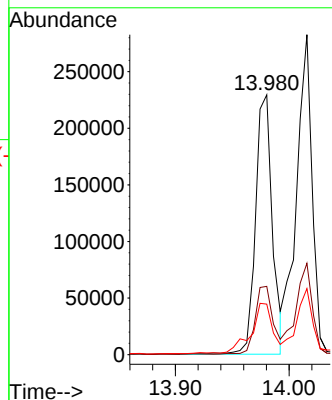
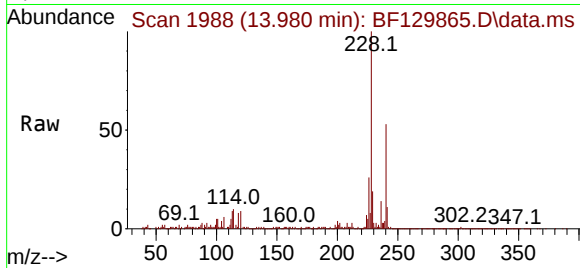




#81
Benzo(a)anthracene
Concen: 11.615 ng
RT: 13.980 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

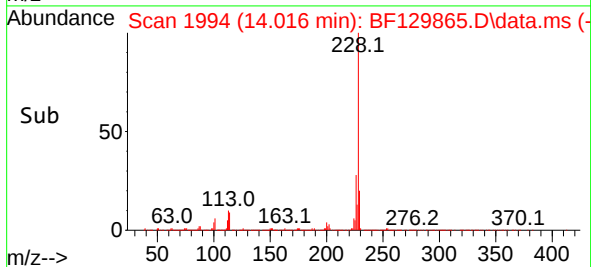
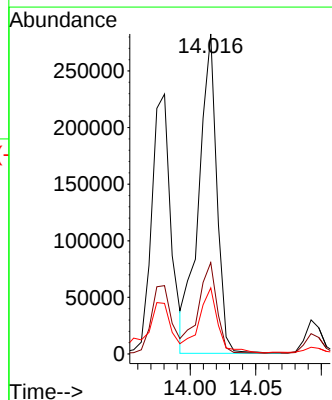
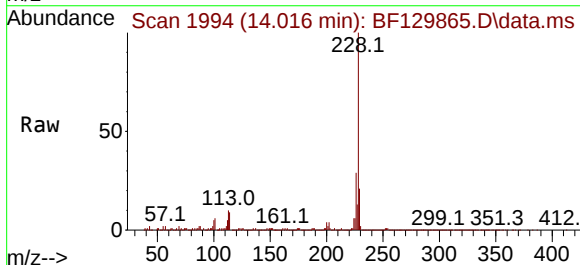
Instrument :
BNA_F
ClientSampleId :
NB-08-081522DL

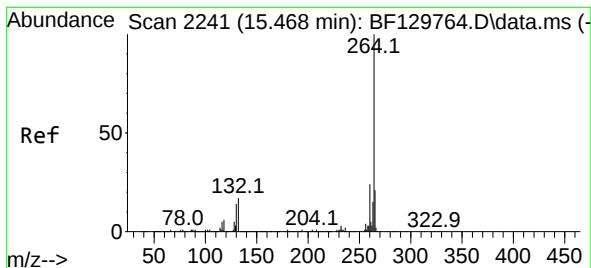
Tgt Ion:228 Resp: 235025
Ion Ratio Lower Upper
228 100
226 26.3 21.4 32.0
229 19.5 16.1 24.1



#83
Chrysene
Concen: 14.398 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Tgt Ion:228 Resp: 272719
Ion Ratio Lower Upper
228 100
226 28.6 24.4 36.6
229 20.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

Instrument :

BNA_F

ClientSampleId :

NB-08-081522DL

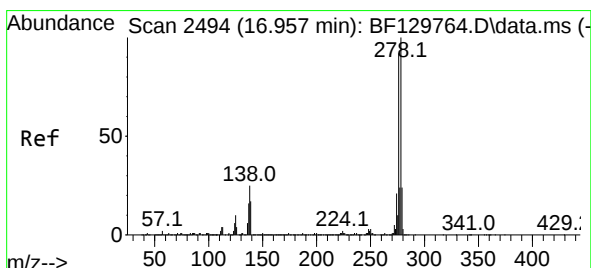
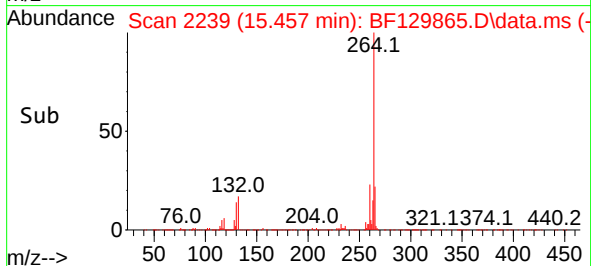
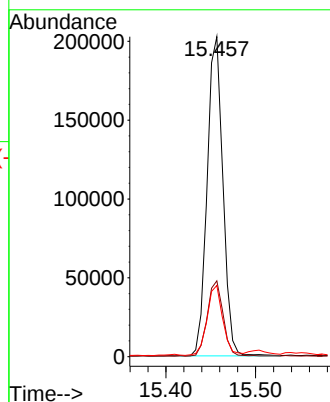
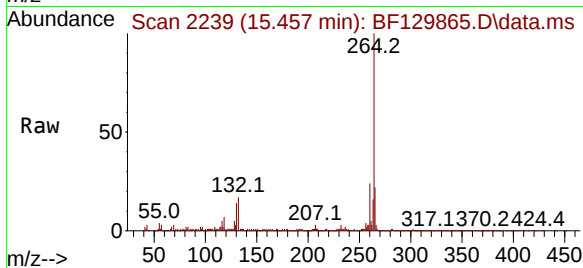
Tgt Ion:264 Resp: 247086

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 22.2 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.380 ng

RT: 16.927 min Scan# 2489

Delta R.T. -0.012 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

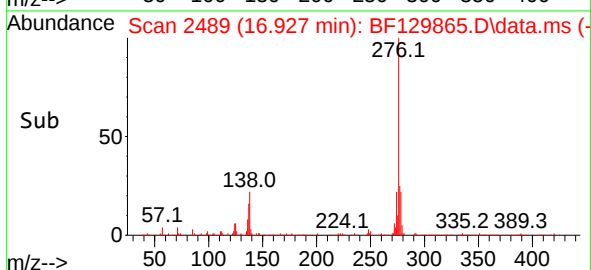
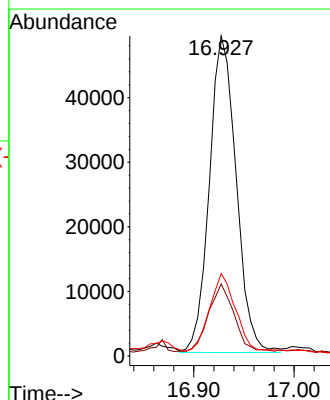
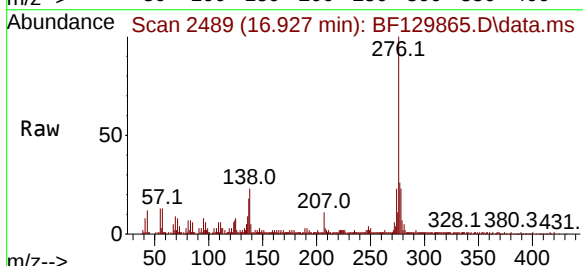
Tgt Ion:276 Resp: 91259

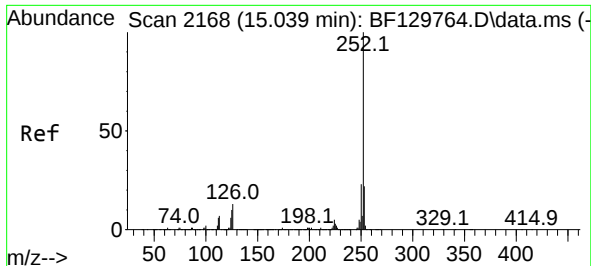
Ion Ratio Lower Upper

276 100

138 20.1 19.8 29.8

277 23.6 20.4 30.6

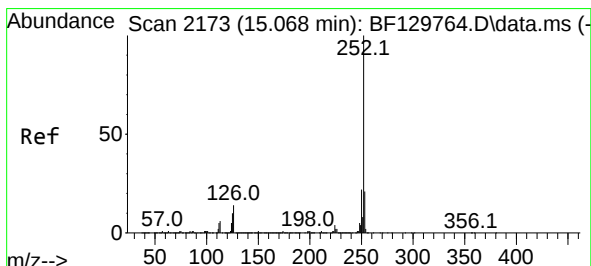
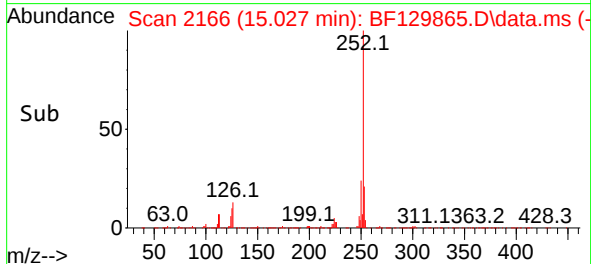
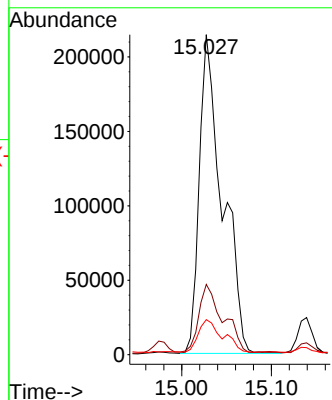
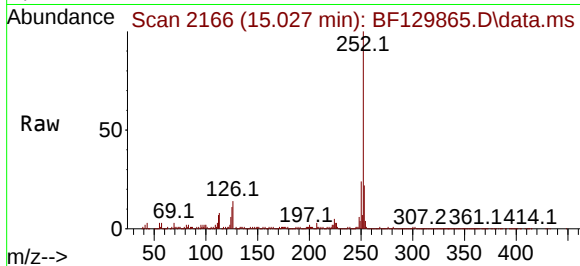




#88
Benzo(b)fluoranthene
Concen: 22.552 ng
RT: 15.027 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

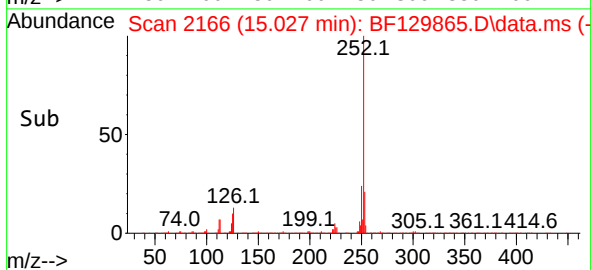
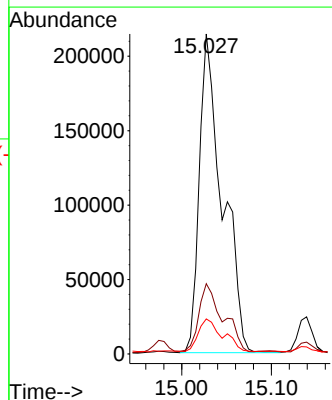
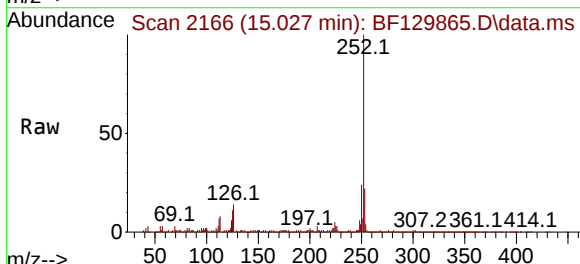
Instrument :
BNA_F
ClientSampleId :
NB-08-081522DL

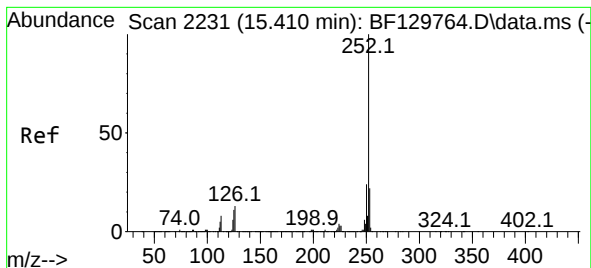
Tgt Ion:252 Resp: 381567
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 11.0 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 23.516 ng
RT: 15.027 min Scan# 2166
Delta R.T. -0.029 min
Lab File: BF129865.D
Acq: 18 Aug 2022 02:33

Tgt Ion:252 Resp: 381567
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 11.0 8.3 12.5





#90

Benzo(a)pyrene

Concen: 12.182 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

Instrument :

BNA_F

ClientSampleId :

NB-08-081522DL

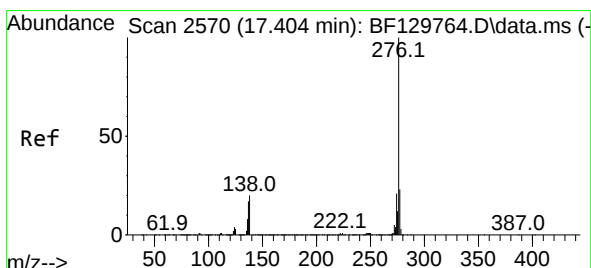
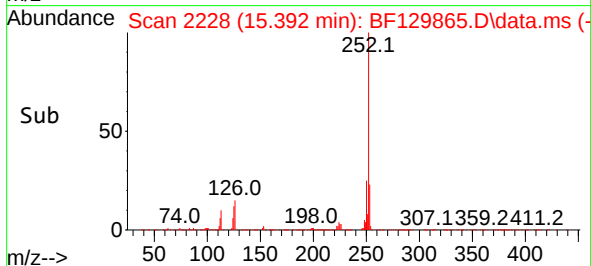
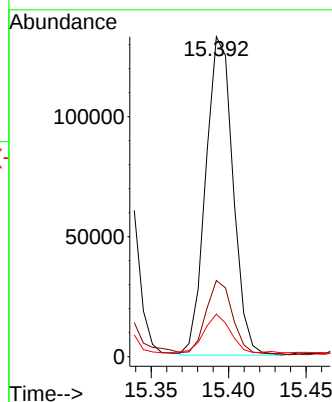
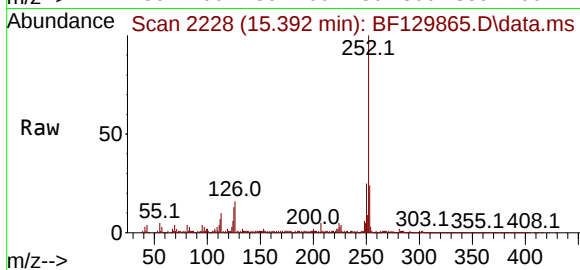
Tgt Ion:252 Resp: 162309

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 13.3 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 6.052 ng

RT: 17.374 min Scan# 2565

Delta R.T. -0.012 min

Lab File: BF129865.D

Acq: 18 Aug 2022 02:33

Tgt Ion:276 Resp: 84502

Ion Ratio Lower Upper

276 100

277 25.0 18.2 27.4

138 21.0 15.8 23.8

