

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129831.D
 Acq On : 17 Aug 2022 02:07
 Operator : CG\JU
 Sample : N4216-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081522

Quant Time: Aug 17 04:45:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

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

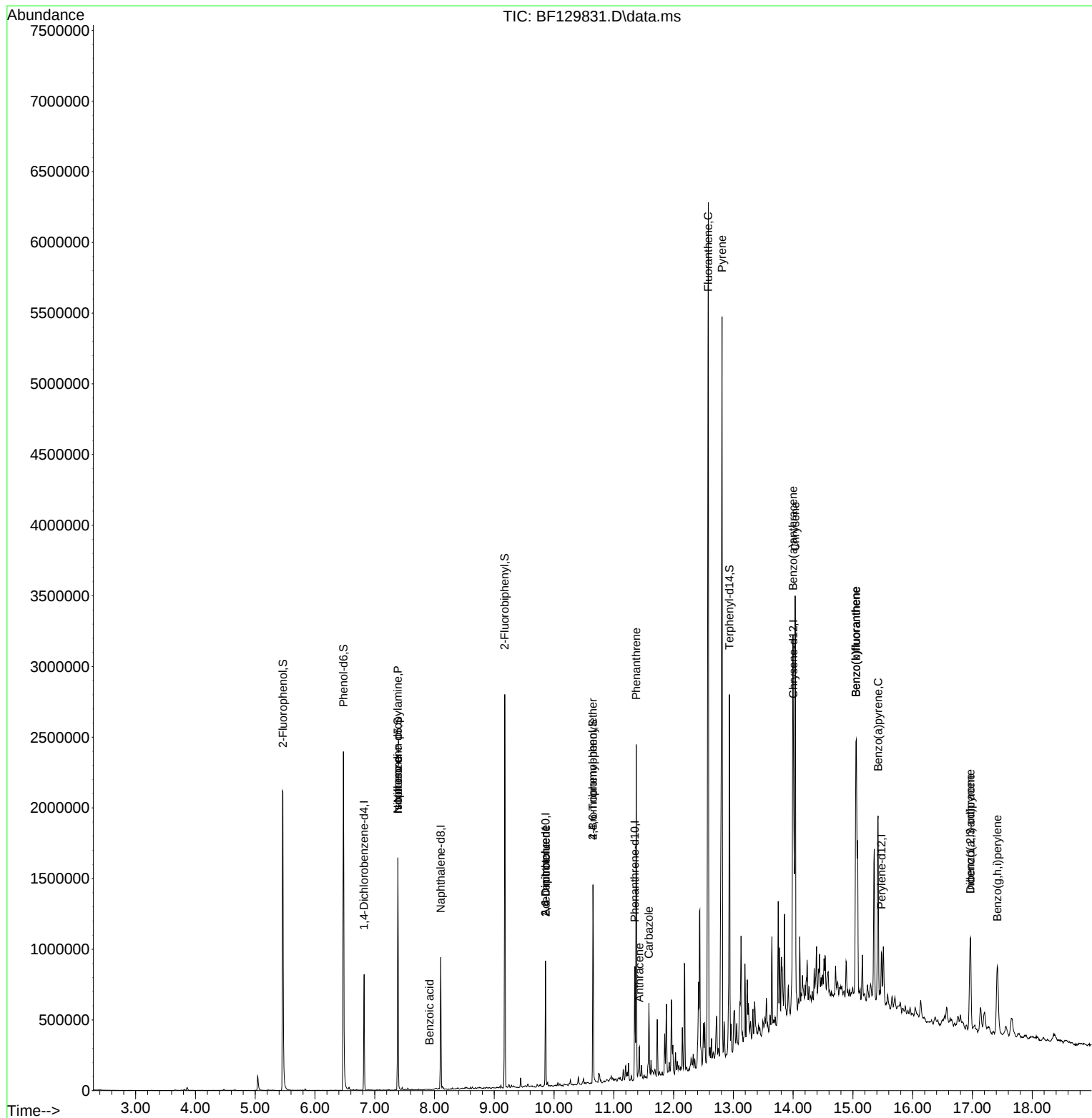
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	111339	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	377114	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	162499	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	276201	20.000	ng	0.00
76) Chrysene-d12	14.004	240	226858	20.000	ng	0.00
86) Perylene-d12	15.480	264	170218	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	677752	100.787	ng	0.00
7) Phenol-d6	6.475	99	794253	94.317	ng	0.00
23) Nitrobenzene-d5	7.387	82	475189	67.454	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	152895	93.748	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	782166	73.106	ng	-0.01
79) Terphenyl-d14	12.934	244	864074	63.377	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.405	77	140	Below Cal	#	37
19) n-Nitroso-di-n-propyla...	7.387	70	64350	12.089	ng	# 75
25) Isophorone	7.387	82	475185	39.191	ng	# 65
32) Benzoic acid	7.916	122	60	2.184	ng	# 43
51) 2,6-Dinitrotoluene	9.857	165	21007	8.313	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	21007	6.404	ng	# 18
67) 4-Bromophenyl-phenylether	10.651	248	9446	2.920	ng	# 1
71) Phenanthrene	11.375	178	769489	49.883	ng	99
72) Anthracene	11.428	178	92843	6.052	ng	99
73) Carbazole	11.587	167	186499	13.393	ng	99
75) Fluoranthene	12.581	202	2604297	164.986	ng	97
77) Benzidine	12.604	184	607	Below Cal	#	1
78) Pyrene	12.810	202	2264923	114.890	ng	98
81) Benzo(a)anthracene	13.998	228	1006521	64.497	ng	98
83) Chrysene	14.033	228	1169309	80.045	ng	98
87) Indeno(1,2,3-cd)pyrene	16.969	276	418176	35.785	ng	94
88) Benzo(b)fluoranthene	15.051	252	1483505	127.277	ng	98
89) Benzo(k)fluoranthene	15.051	252	1483505	132.717	ng	97
90) Benzo(a)pyrene	15.422	252	657996	71.686	ng	98
91) Dibenzo(a,h)anthracene	16.969	278	108359	11.238	ng	# 89
92) Benzo(g,h,i)perylene	17.416	276	407286	42.340	ng	98

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

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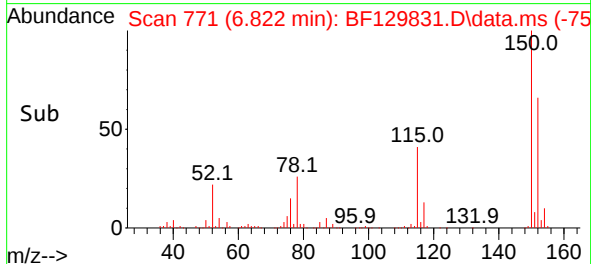
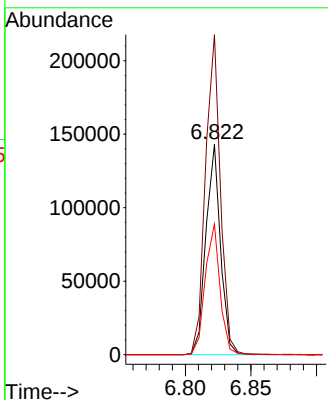
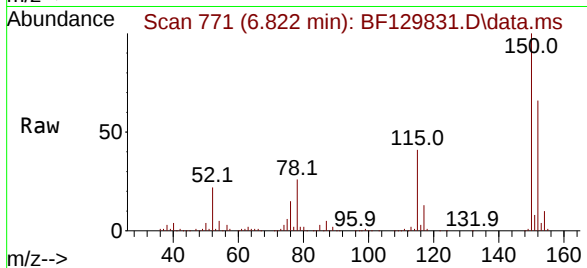




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

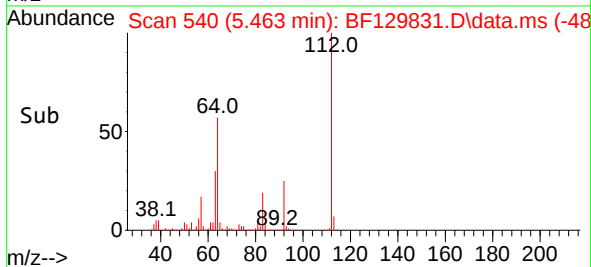
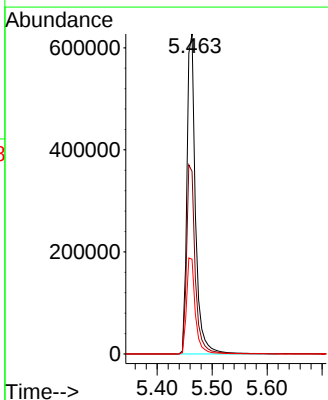
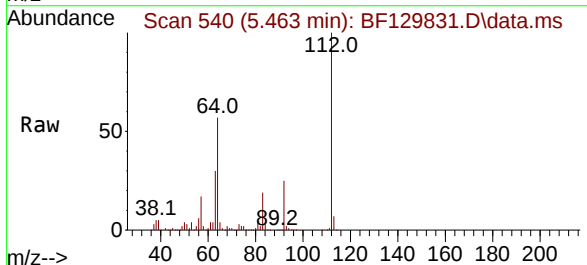
Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Tgt Ion:152 Resp: 111339
Ion Ratio Lower Upper
152 100
150 152.1 126.9 190.3
115 62.1 53.4 80.0



#5
2-Fluorophenol
Concen: 100.787 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.000 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion:112 Resp: 677752
Ion Ratio Lower Upper
112 100
64 57.1 47.6 71.4
63 29.6 24.6 37.0

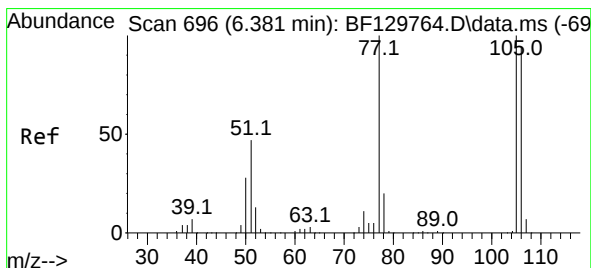
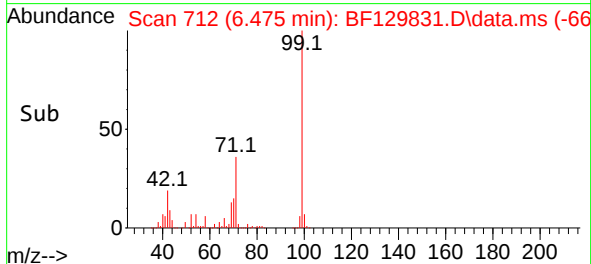
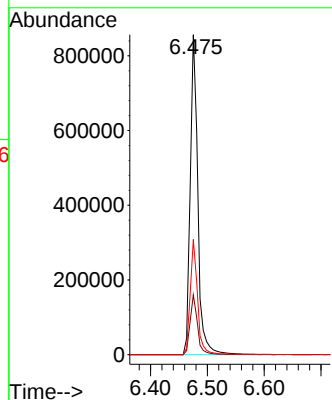
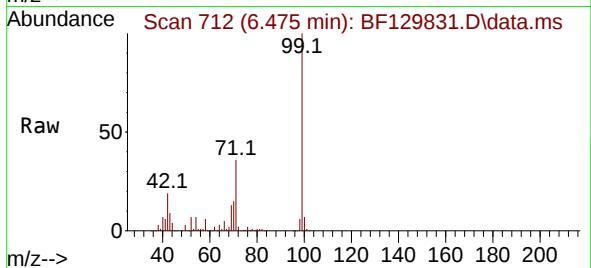




#7
Phenol-d6
Concen: 94.317 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

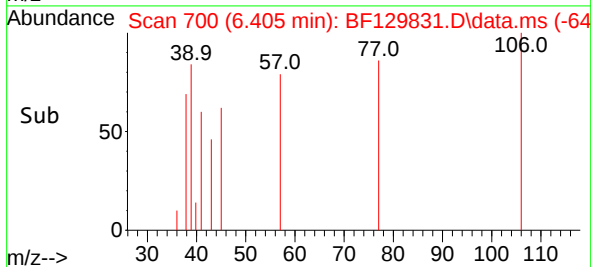
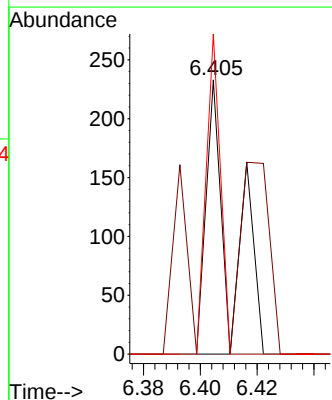
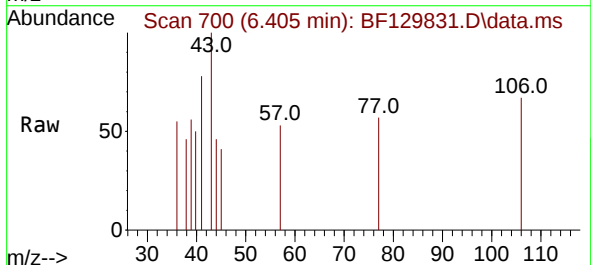
Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Tgt Ion: 99 Resp: 794253
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.4
71 36.0 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.405 min Scan# 700
Delta R.T. 0.024 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion: 77 Resp: 140
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 116.7 74.3 114.3#

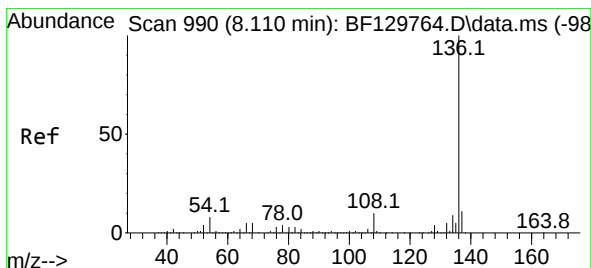
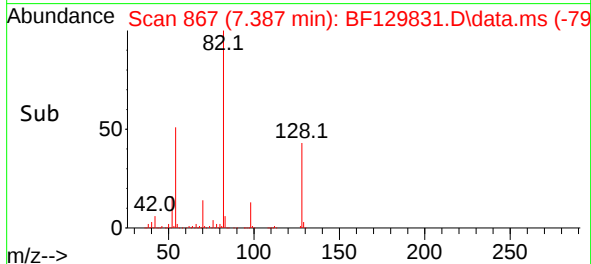
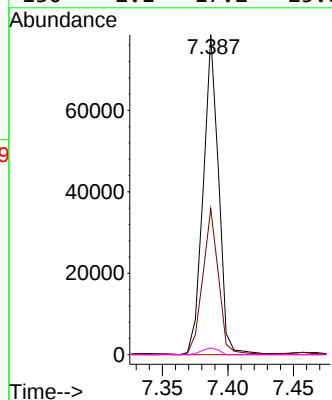
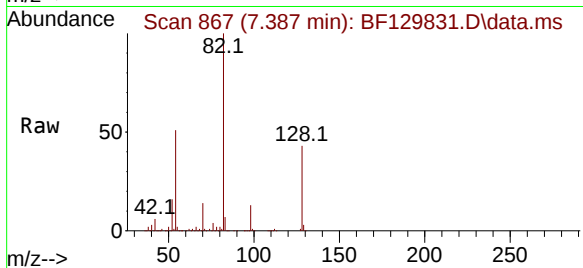




#19
n-Nitroso-di-n-propylamine
Concen: 12.089 ng
RT: 7.387 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

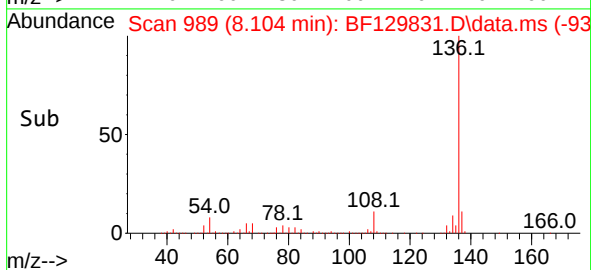
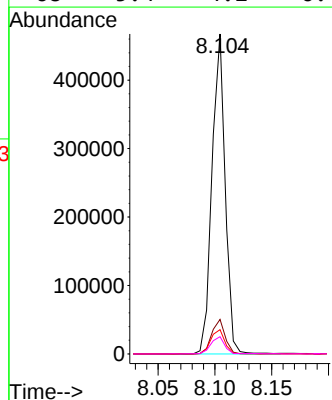
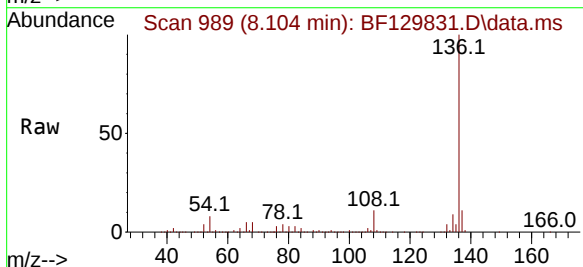
Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Tgt Ion:	70	Resp:	64350
Ion	Ratio	Lower	Upper
70	100		
42	45.6	47.6	71.4#
101	0.0	8.1	12.1#
130	2.1	17.2	25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion:	136	Resp:	377114
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.6	6.2	9.2
68	5.4	4.2	6.4

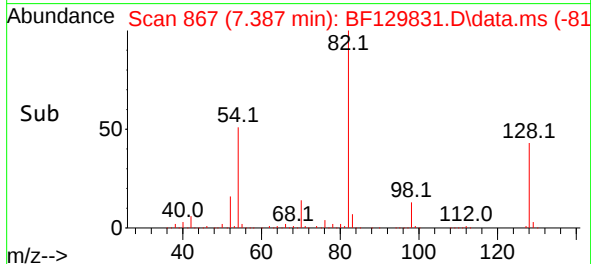
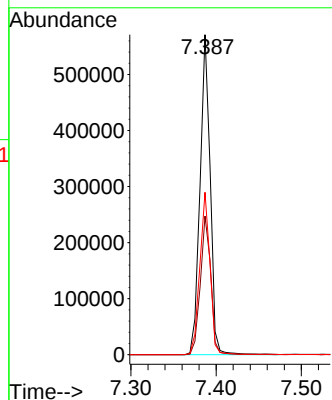
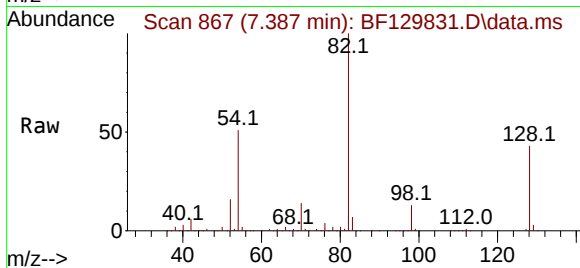




#23
Nitrobenzene-d5
Concen: 67.454 ng
RT: 7.387 min Scan# 867
Delta R.T. -0.011 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

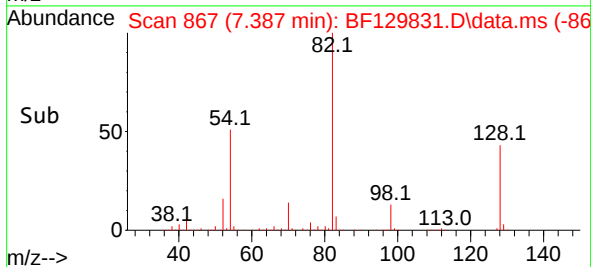
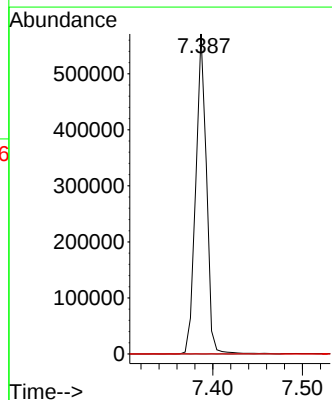
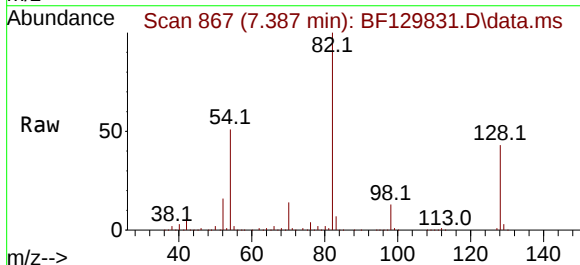
Instrument :
BNA_F
ClientSampleId :
NB-08-081522

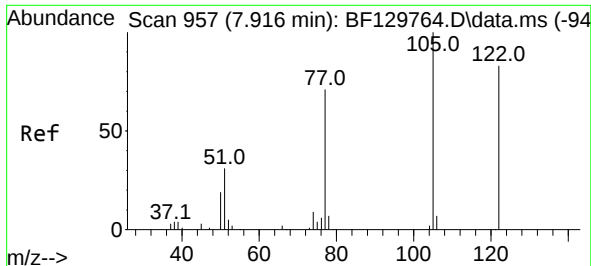
Tgt Ion: 82 Resp: 475189
Ion Ratio Lower Upper
82 100
128 43.3 36.1 54.1
54 50.7 40.0 60.0



#25
Isophorone
Concen: 39.191 ng
RT: 7.387 min Scan# 867
Delta R.T. -0.264 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion: 82 Resp: 475185
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

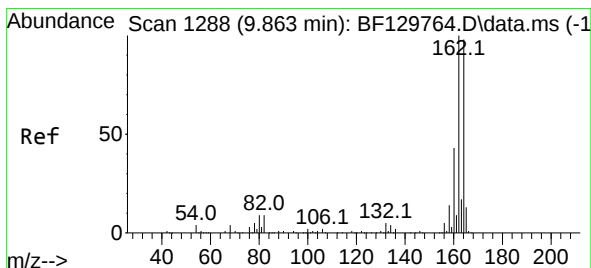
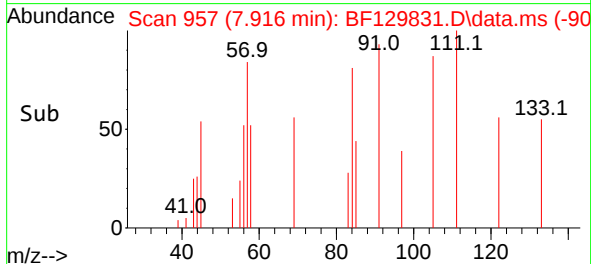
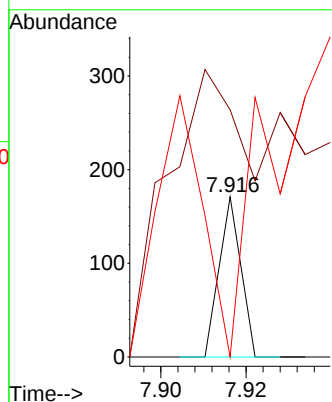
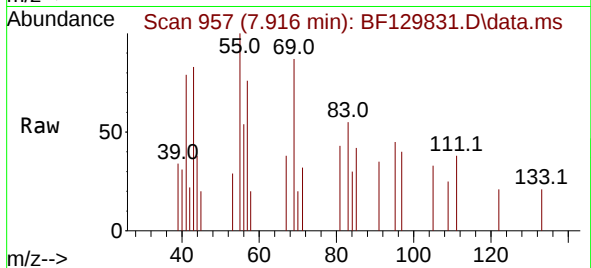




#32
Benzoic acid
Concen: 2.184 ng
RT: 7.916 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

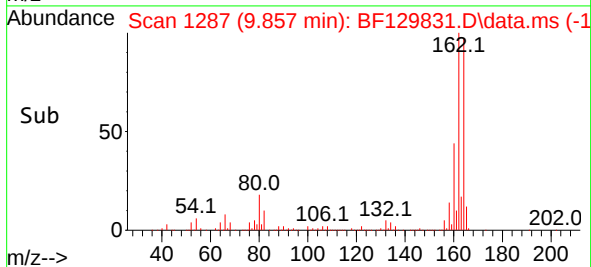
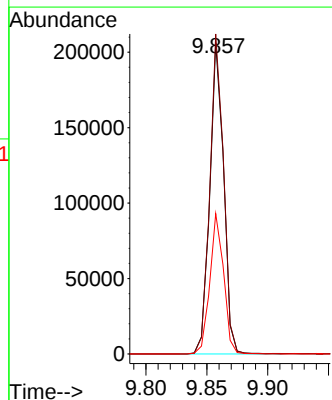
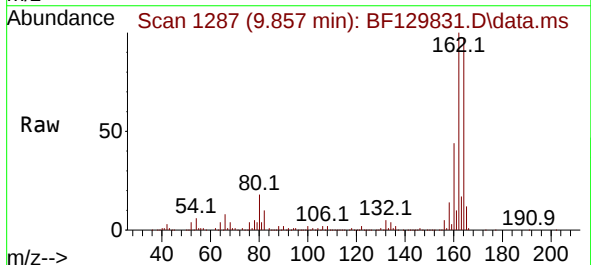
Instrument :
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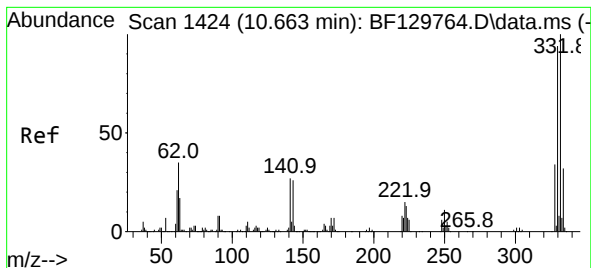
Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 154.4 99.9 139.9#
77 0.0 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion:164 Resp: 162499
Ion Ratio Lower Upper
164 100
162 103.0 82.0 123.0
160 45.2 35.4 53.0

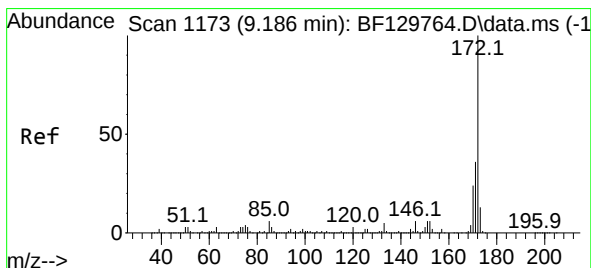
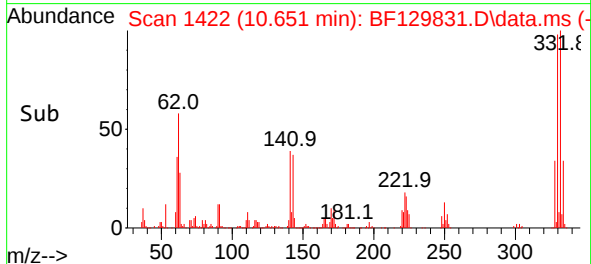
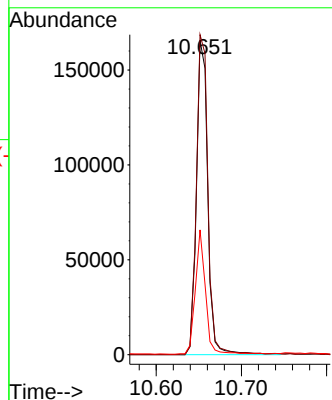
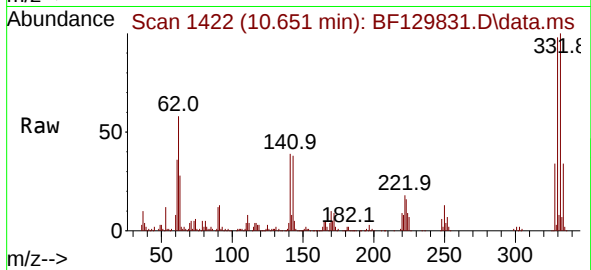




#42
2,4,6-Tribromophenol
Concen: 93.748 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

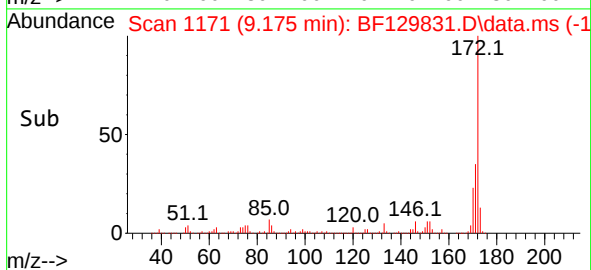
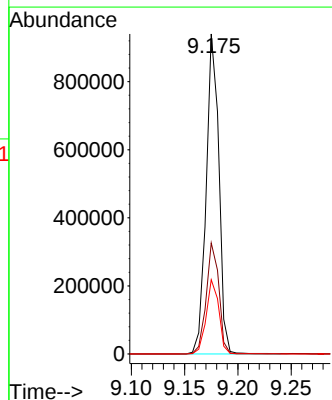
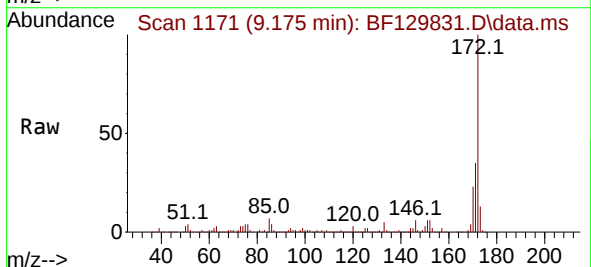
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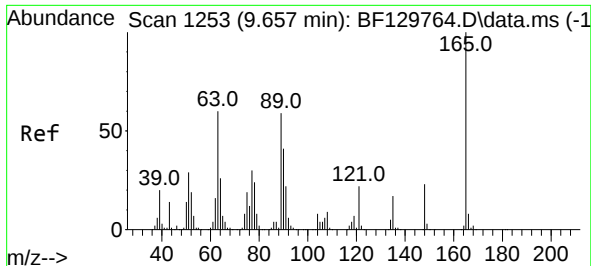
Tgt Ion: 330 Resp: 152895
Ion Ratio Lower Upper
330 100
332 103.9 82.6 124.0
141 35.2 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 73.106 ng
RT: 9.175 min Scan# 1171
Delta R.T. -0.011 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion: 172 Resp: 782166
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.2 19.1 28.7

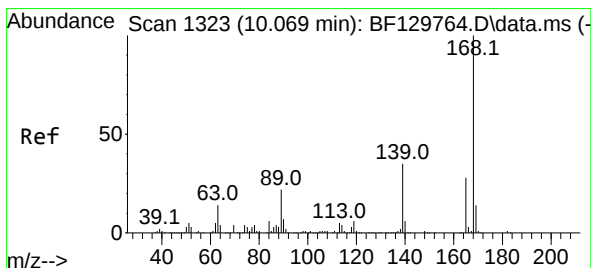
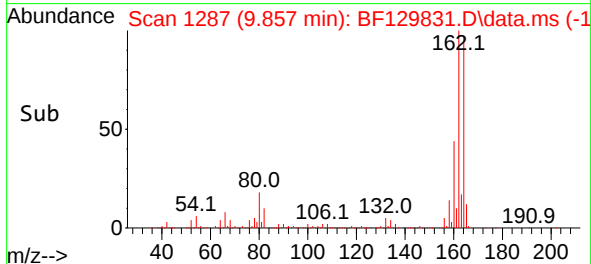
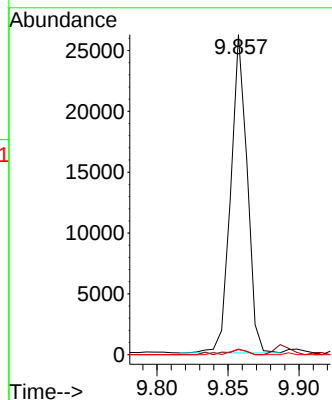
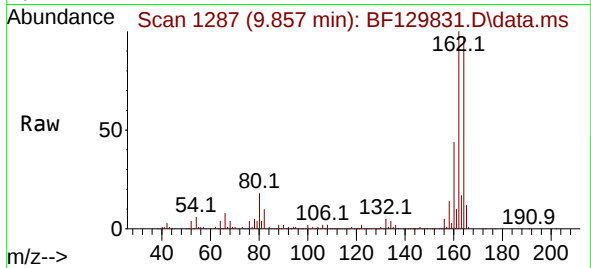




#51
2,6-Dinitrotoluene
Concen: 8.313 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

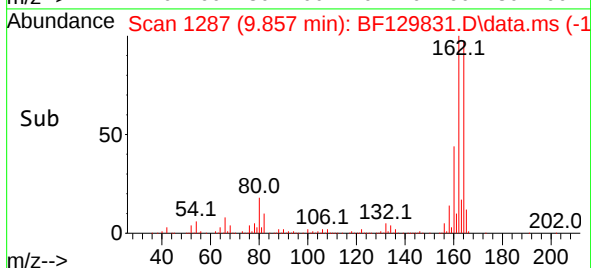
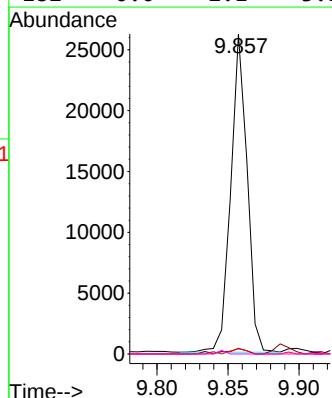
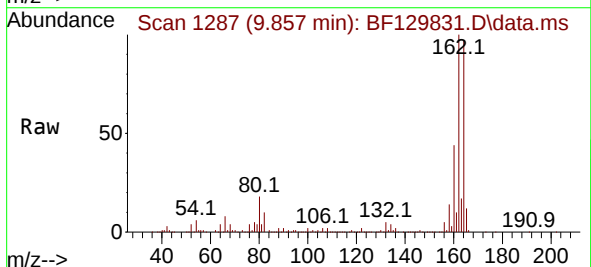
Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Tgt Ion:165 Resp: 21007
Ion Ratio Lower Upper
165 100
63 1.7 47.8 71.8#
89 1.6 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.404 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.211 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion:165 Resp: 21007
Ion Ratio Lower Upper
165 100
63 1.7 48.4 72.6#
89 1.6 62.3 93.5#
182 0.0 2.1 3.1#

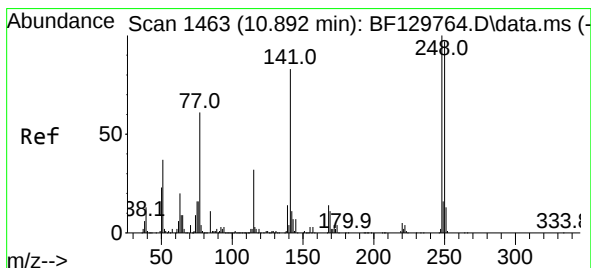
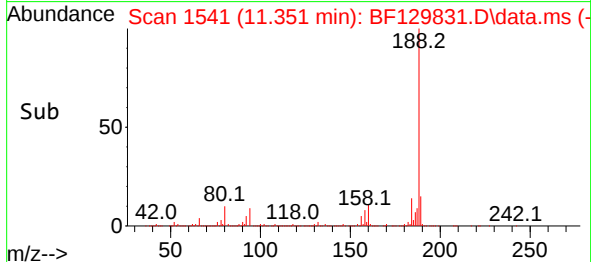
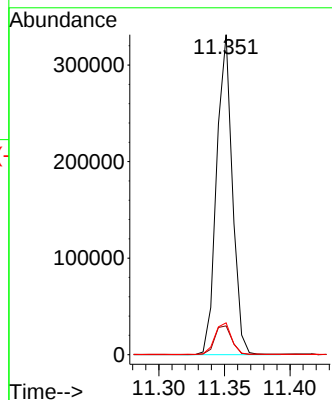
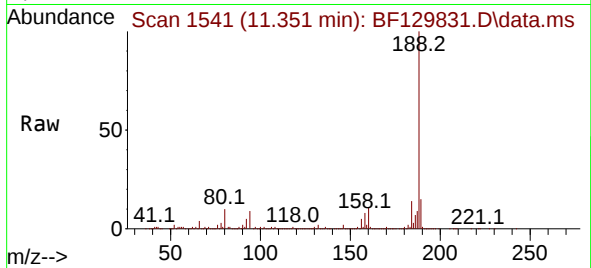




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

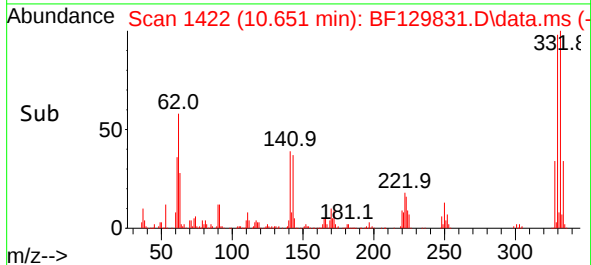
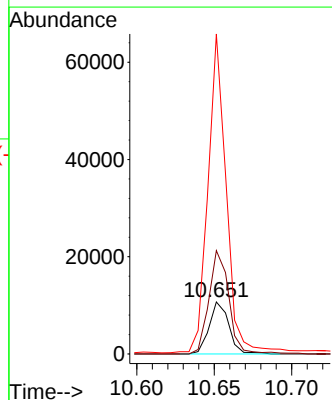
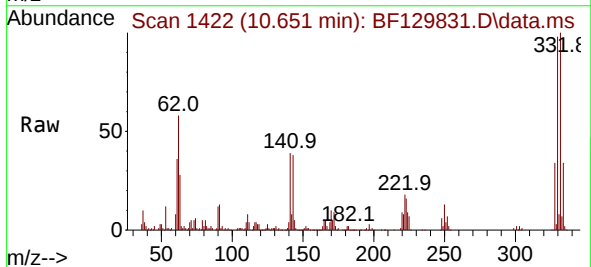
Instrument :
BNA_F
ClientSampleId :
NB-08-081522

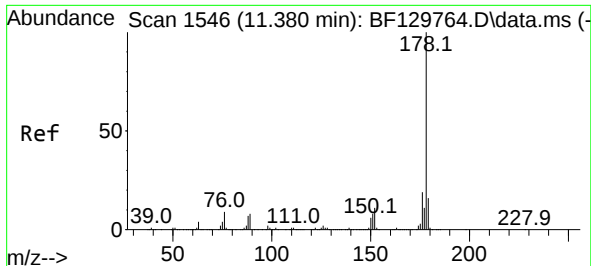
Tgt Ion:188 Resp: 276201
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.0 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.920 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.241 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion:248 Resp: 9446
Ion Ratio Lower Upper
248 100
250 199.0 77.8 116.6#
141 616.0 66.2 99.2#

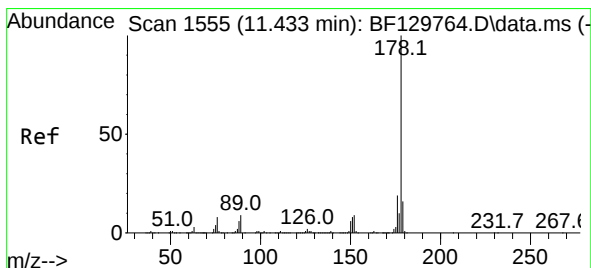
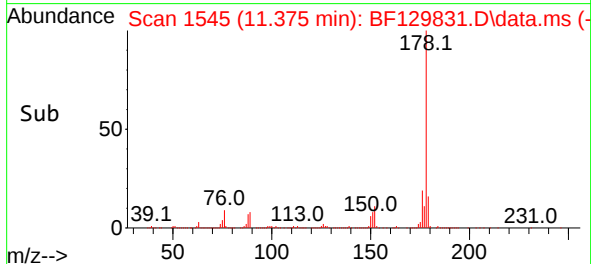
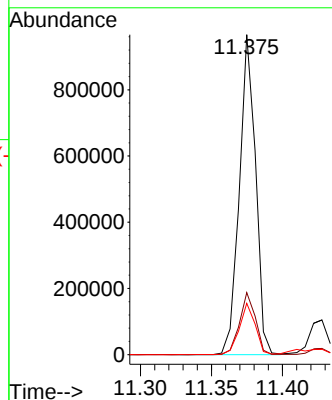
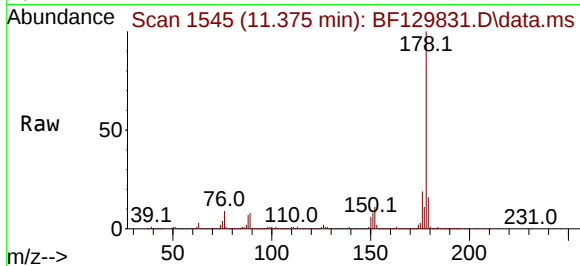




#71
Phenanthrene
Concen: 49.883 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

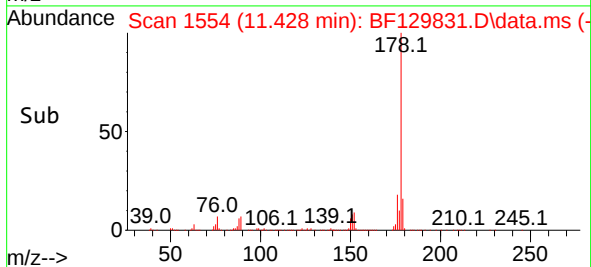
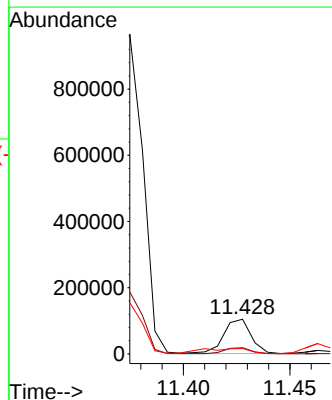
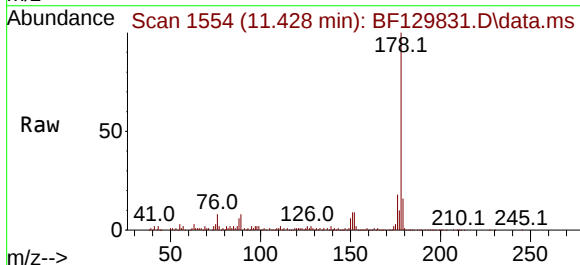
Instrument :
BNA_F
ClientSampleId :
NB-08-081522

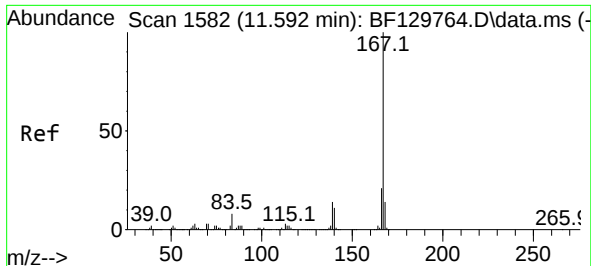
Tgt Ion:178 Resp: 769489
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 16.1 12.5 18.7



#72
Anthracene
Concen: 6.052 ng
RT: 11.428 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion:178 Resp: 92843
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 15.8 12.6 18.8

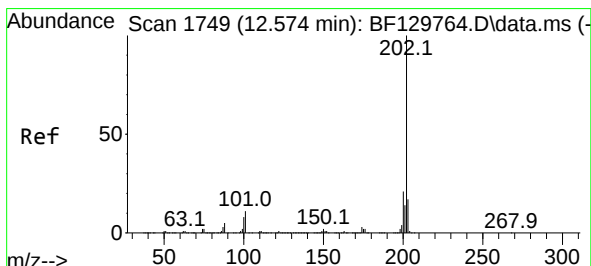
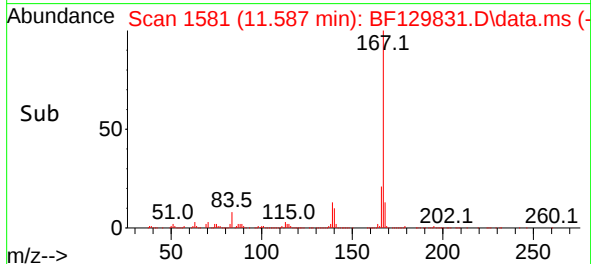
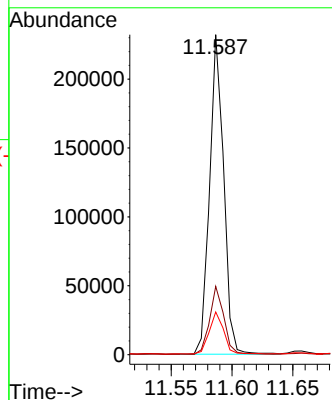
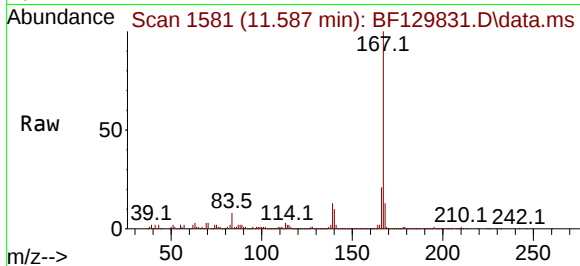




#73
 Carbazole
 Concen: 13.393 ng
 RT: 11.587 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129831.D
 Acq: 17 Aug 2022 02:07

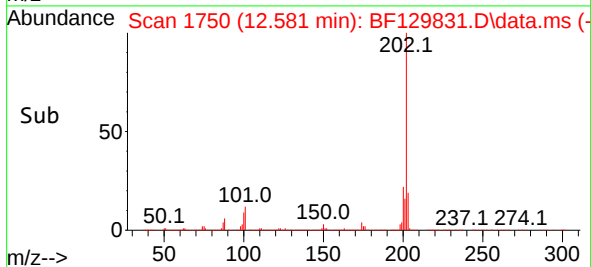
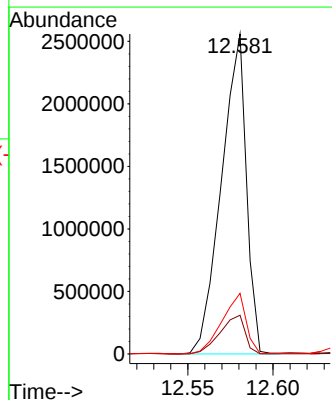
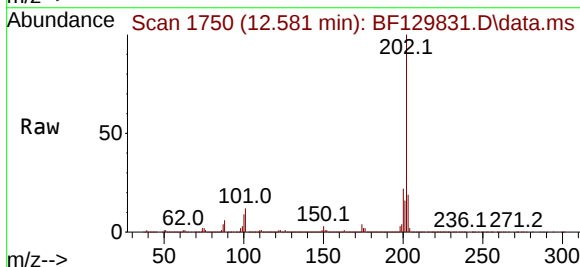
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081522

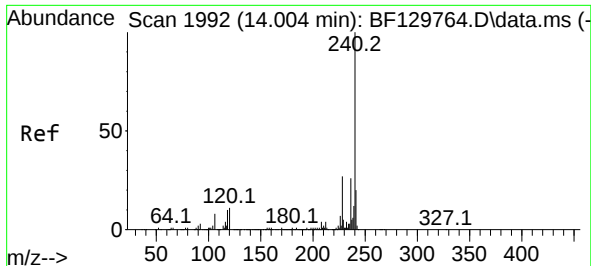
Tgt Ion:167 Resp: 186499
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.1 25.7
 139 13.3 11.0 16.6



#75
 Fluoranthene
 Concen: 164.986 ng
 RT: 12.581 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: BF129831.D
 Acq: 17 Aug 2022 02:07

Tgt Ion:202 Resp: 2604297
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 30.7
 203 18.9 0.0 37.5

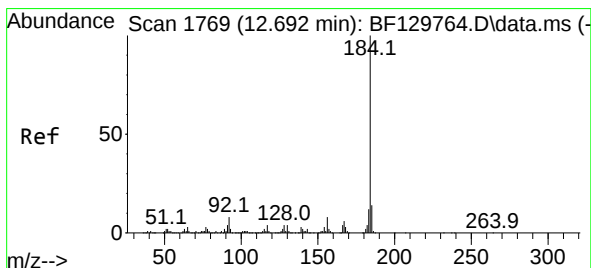
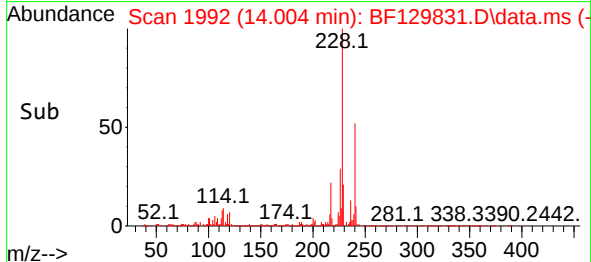
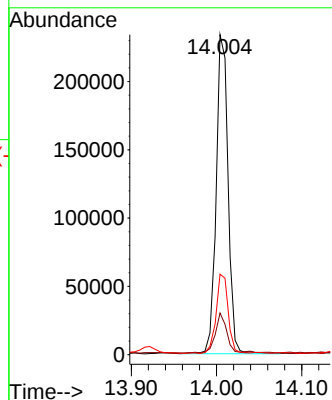
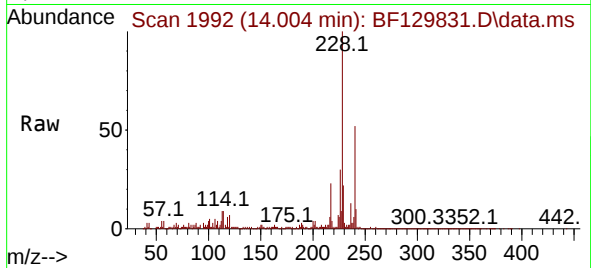




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

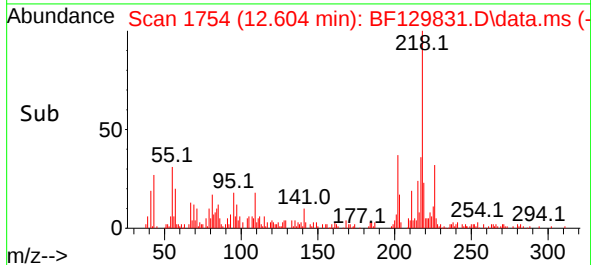
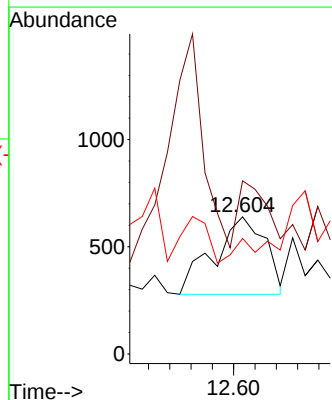
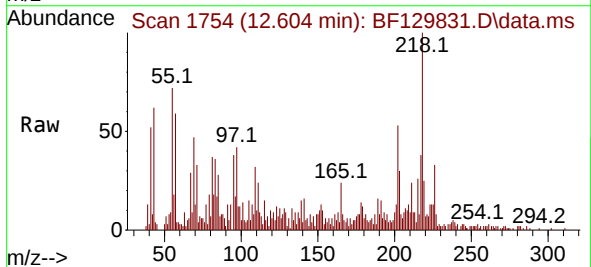
Instrument :
BNA_F
ClientSampleId :
NB-08-081522

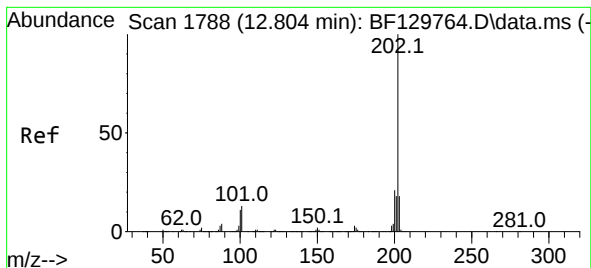
Tgt Ion:240 Resp: 226858
Ion Ratio Lower Upper
240 100
120 13.0 9.2 13.8
236 25.2 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.604 min Scan# 1754
Delta R.T. -0.088 min
Lab File: BF129831.D
Acq: 17 Aug 2022 02:07

Tgt Ion:184 Resp: 607
Ion Ratio Lower Upper
184 100
185 126.3 11.4 17.2#
183 84.2 9.4 14.2#





#78

Pyrene

Concen: 114.890 ng

RT: 12.810 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

ClientSampleId :

NB-08-081522

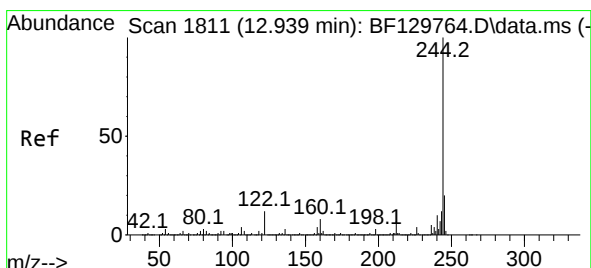
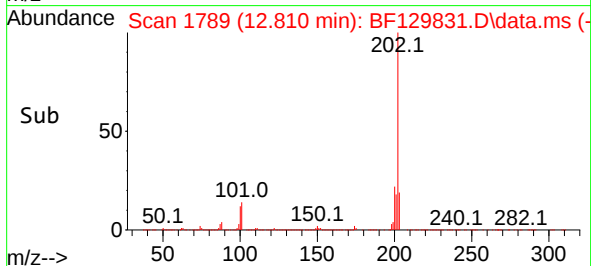
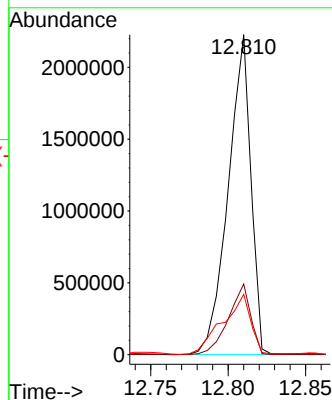
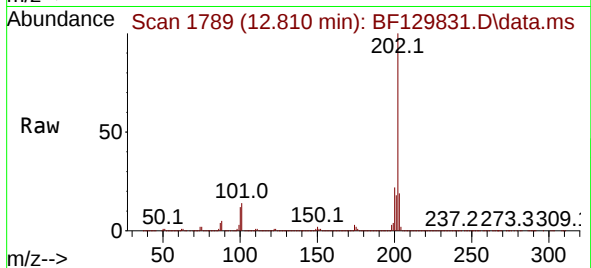
Tgt Ion:202 Resp: 2264923

Ion Ratio Lower Upper

202 100

200 22.1 17.0 25.6

203 18.8 14.1 21.1



#79

Terphenyl-d14

Concen: 63.377 ng

RT: 12.934 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

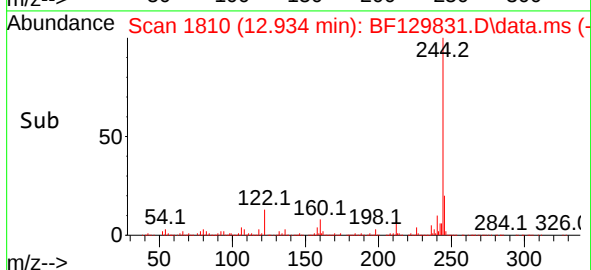
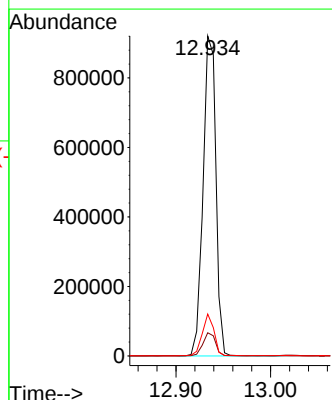
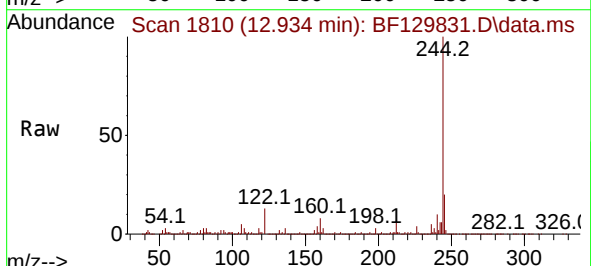
Tgt Ion:244 Resp: 864074

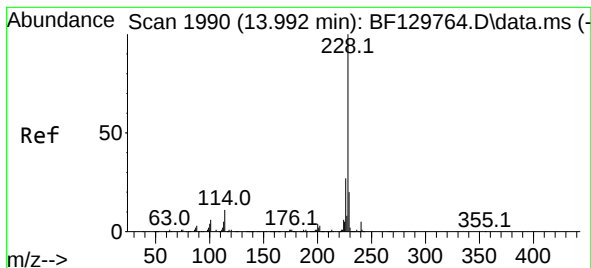
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 13.1 9.9 14.9





#81

Benzo(a)anthracene

Concen: 64.497 ng

RT: 13.998 min Scan# 1990

Delta R.T. 0.006 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

ClientSampleId :

NB-08-081522

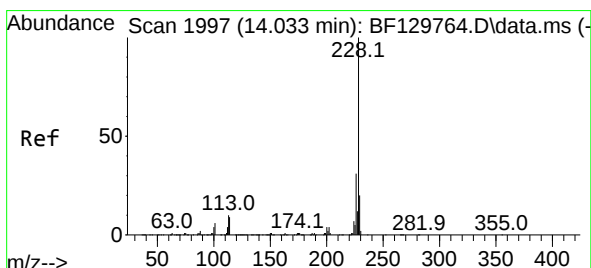
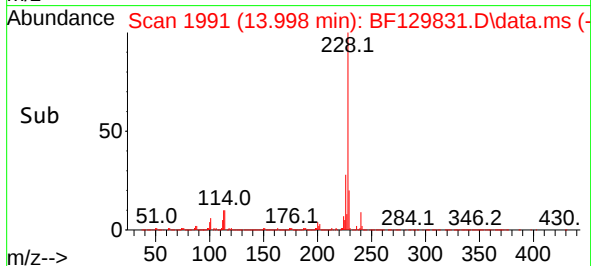
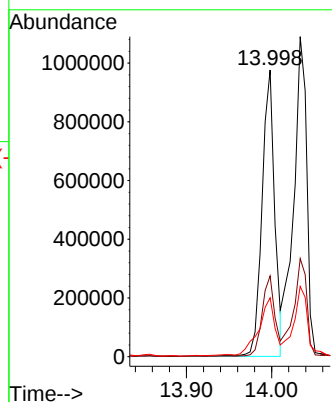
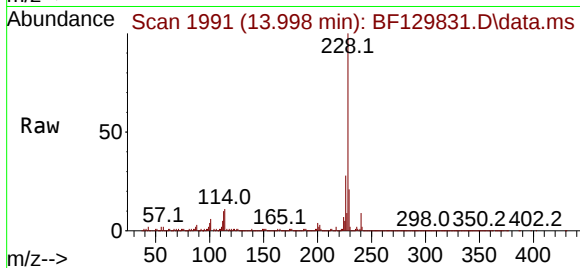
Tgt Ion:228 Resp: 1006521

Ion Ratio Lower Upper

228 100

226 28.2 21.4 32.0

229 20.5 16.1 24.1



#83

Chrysene

Concen: 80.045 ng

RT: 14.033 min Scan# 1997

Delta R.T. 0.000 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

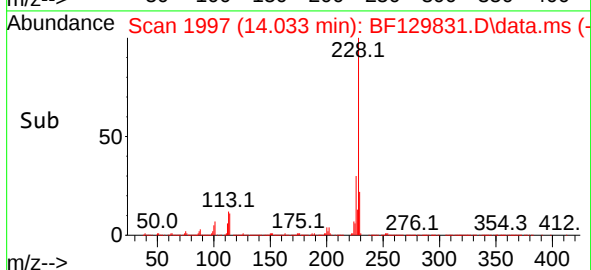
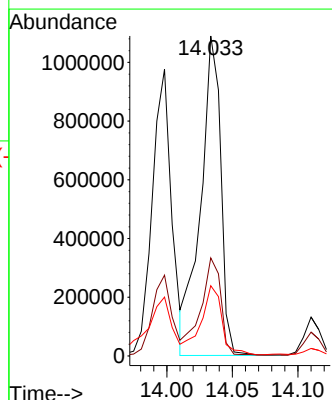
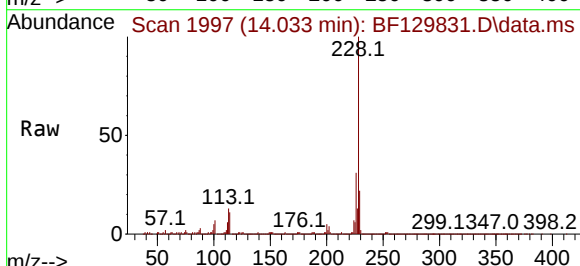
Tgt Ion:228 Resp: 1169309

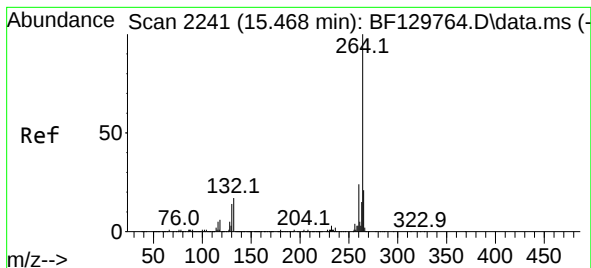
Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 22.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

ClientSampleId :

NB-08-081522

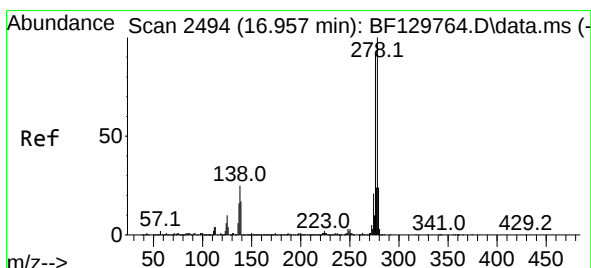
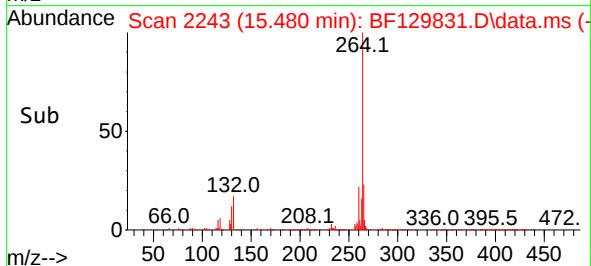
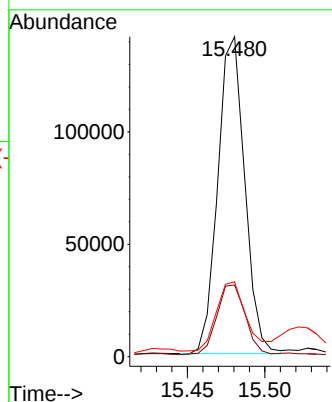
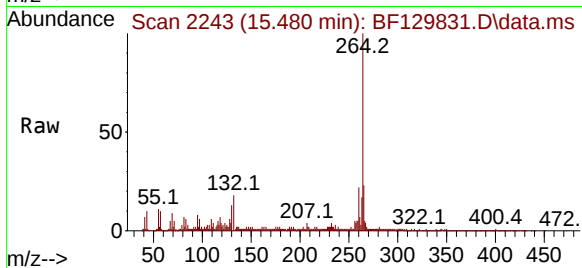
Tgt Ion:264 Resp: 170218

Ion Ratio Lower Upper

264 100

260 22.4 19.1 28.7

265 23.4 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 35.785 ng

RT: 16.969 min Scan# 2496

Delta R.T. 0.012 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

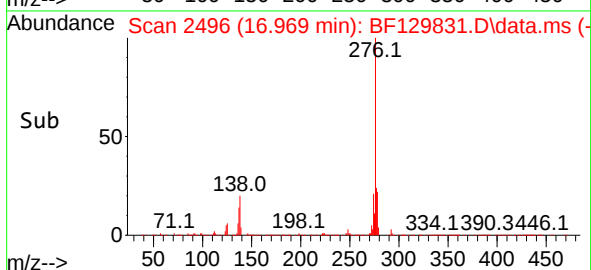
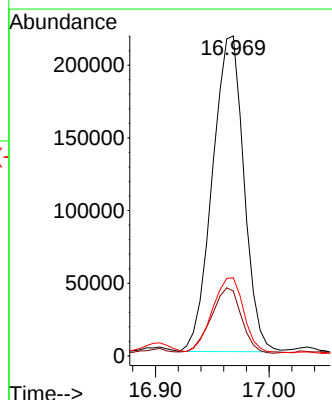
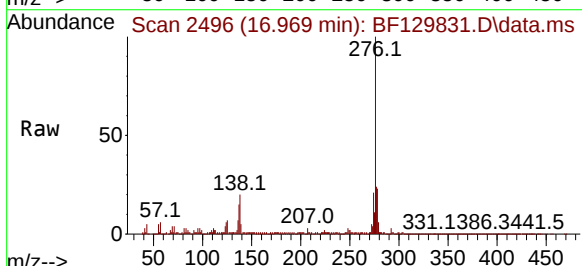
Tgt Ion:276 Resp: 418176

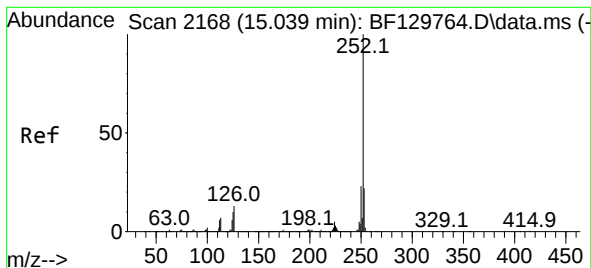
Ion Ratio Lower Upper

276 100

138 20.9 19.8 29.8

277 23.5 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 127.277 ng

RT: 15.051 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

ClientSampleId :

NB-08-081522

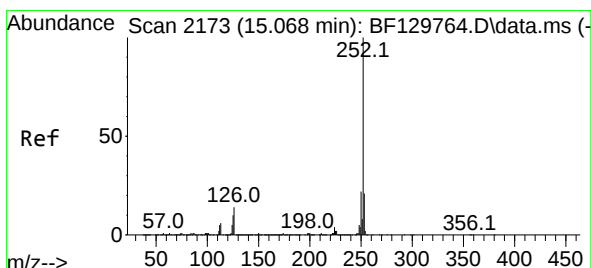
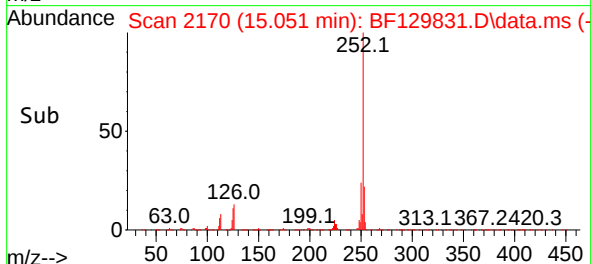
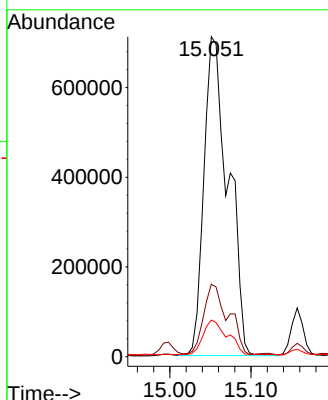
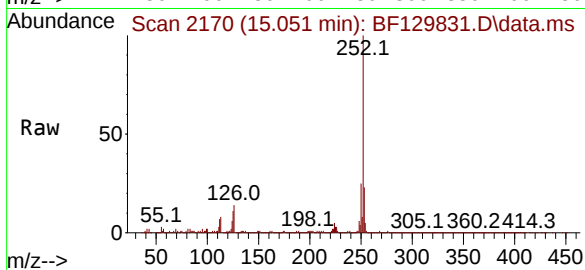
Tgt Ion:252 Resp: 1483505

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 11.4 8.3 12.5



#89

Benzo(k)fluoranthene

Concen: 132.717 ng

RT: 15.051 min Scan# 2170

Delta R.T. -0.017 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

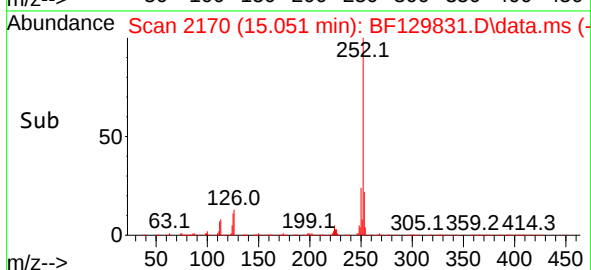
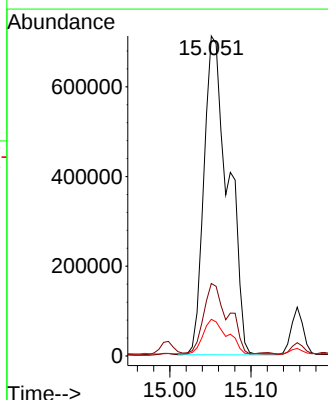
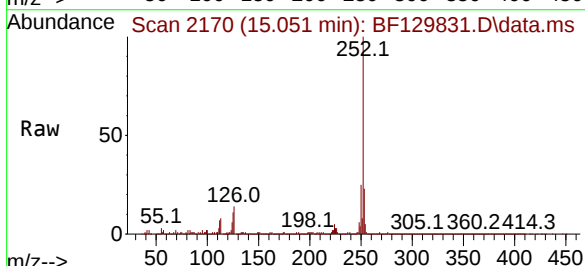
Tgt Ion:252 Resp: 1483505

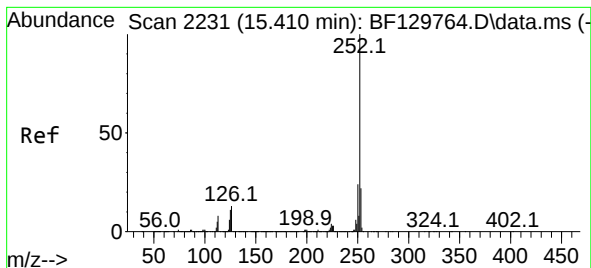
Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 11.4 8.3 12.5





#90

Benzo(a)pyrene

Concen: 71.686 ng

RT: 15.422 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

ClientSampleId :

NB-08-081522

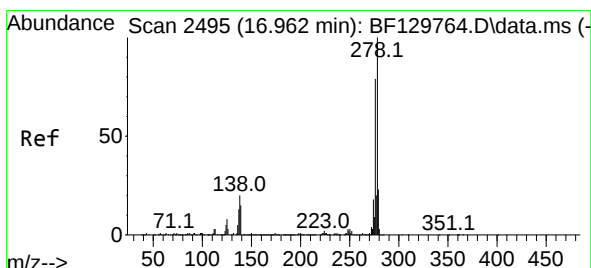
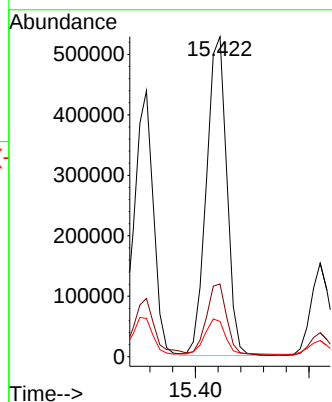
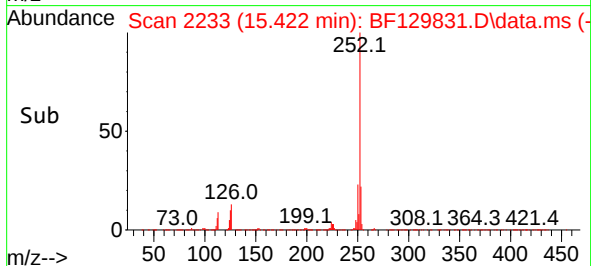
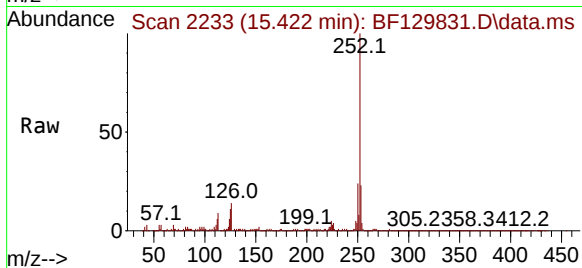
Tgt Ion:252 Resp: 657996

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 11.0 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 11.238 ng

RT: 16.969 min Scan# 2496

Delta R.T. 0.006 min

Lab File: BF129831.D

Acq: 17 Aug 2022 02:07

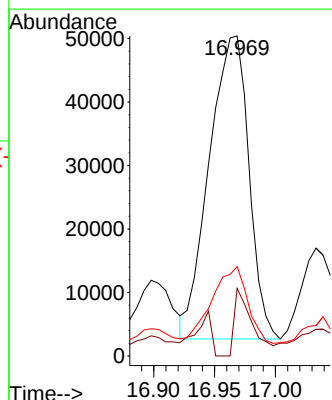
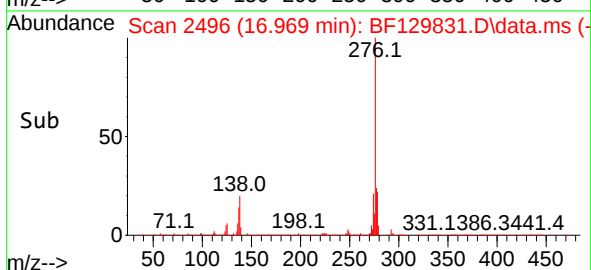
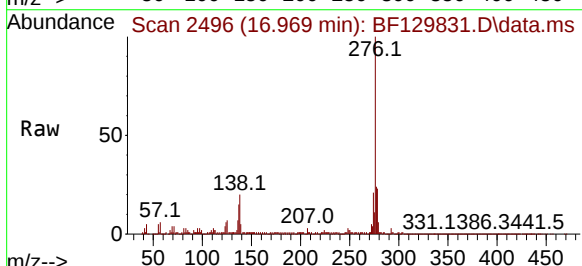
Tgt Ion:278 Resp: 108359

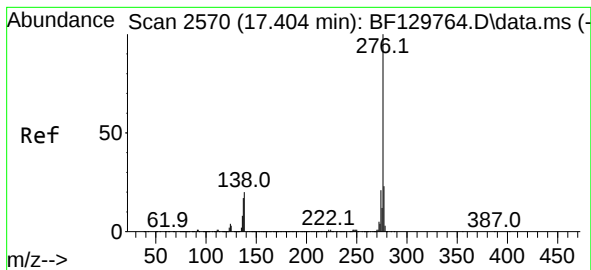
Ion Ratio Lower Upper

278 100

139 21.2 12.2 18.4#

279 27.9 18.7 28.1





#92

Benzo(g,h,i)perylene

Concen: 42.340 ng

RT: 17.416 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129831.D

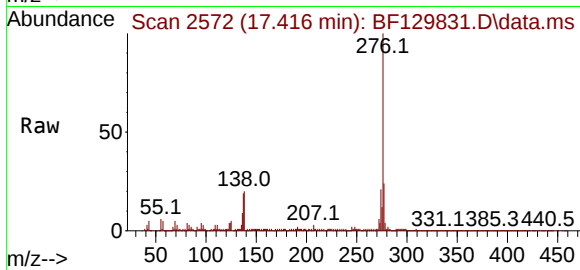
Acq: 17 Aug 2022 02:07

Instrument :

BNA_F

ClientSampleId :

NB-08-081522



Tgt Ion:276 Resp: 407286

Ion Ratio Lower Upper

276 100

277 24.2 18.2 27.4

138 20.2 15.8 23.8

