

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082322\
 Data File : BF129964.D
 Acq On : 23 Aug 2022 21:28
 Operator : CG\JU
 Sample : N4295-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 24 02:00:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 04:41:40 2022
 Response via : Initial Calibration

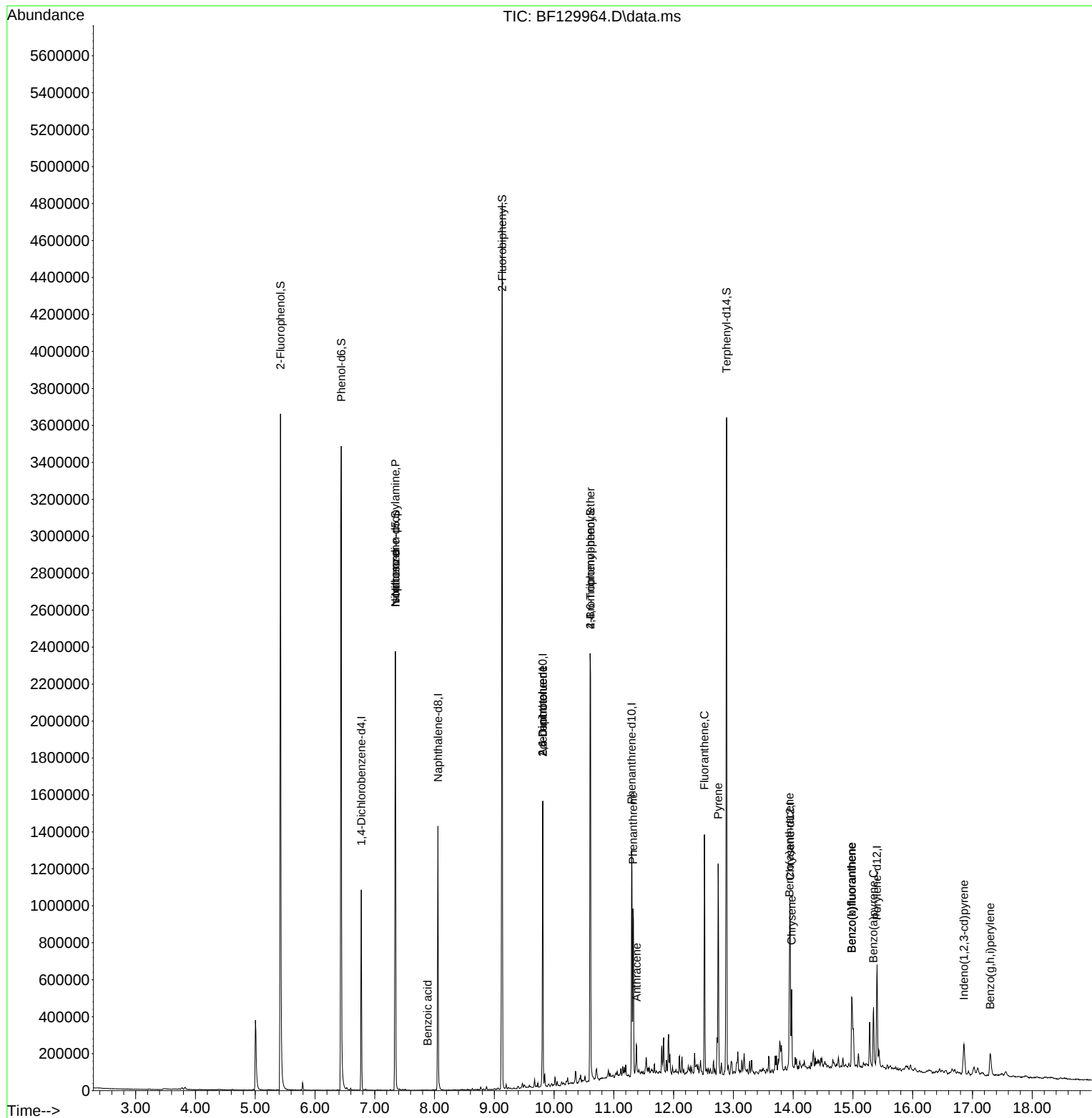
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	147111	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	580473	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	294074	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	443234	20.000	ng	0.00
76) Chrysene-d12	13.951	240	241487	20.000	ng	0.00
86) Perylene-d12	15.403	264	244104	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	942541	106.081	ng	0.01
7) Phenol-d6	6.439	99	1196552	107.539	ng	0.00
23) Nitrobenzene-d5	7.345	82	786285	72.512	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	274617	93.044	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	1417339	73.201	ng	0.00
79) Terphenyl-d14	12.886	244	1088651	75.012	ng	0.00
Target Compounds						
9) Benzaldehyde	6.386	77	244	Below Cal	Qvalue	# 41
19) n-Nitroso-di-n-propyla...	7.345	70	106318	15.117	ng	# 80
25) Isophorone	7.345	82	786278	42.130	ng	# 65
32) Benzoic acid	7.886	122	60	2.171	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	39105	8.551	ng	# 23
57) 2,4-Dinitrotoluene	9.810	165	39105	6.587	ng	# 18
67) 4-Bromophenyl-phenylether	10.610	248	17874	3.443	ng	# 1
71) Phenanthrene	11.321	178	331963	13.410	ng	99
72) Anthracene	11.380	178	63263	2.570	ng	98
75) Fluoranthene	12.515	202	455221	17.971	ng	98
77) Benzidine	12.886	184	16642	Below Cal	#	90
78) Pyrene	12.745	202	427691	20.381	ng	99
81) Benzo(a)anthracene	13.939	228	168771	10.160	ng	98
83) Chrysene	13.974	228	153065	9.843	ng	99
87) Indeno(1,2,3-cd)pyrene	16.856	276	104039	6.208	ng	94
88) Benzo(b)fluoranthene	14.980	252	275662	16.492	ng	99
89) Benzo(k)fluoranthene	14.980	252	275662	17.197	ng	98
90) Benzo(a)pyrene	15.345	252	157347	11.954	ng	99
92) Benzo(g,h,i)perylene	17.297	276	96277	6.979	ng	99

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

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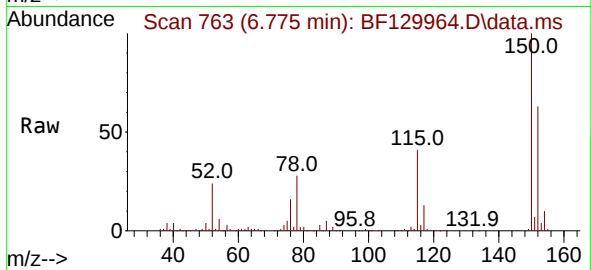
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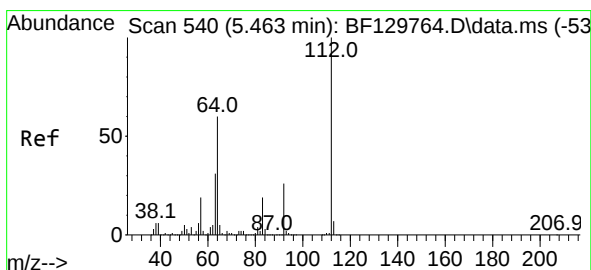
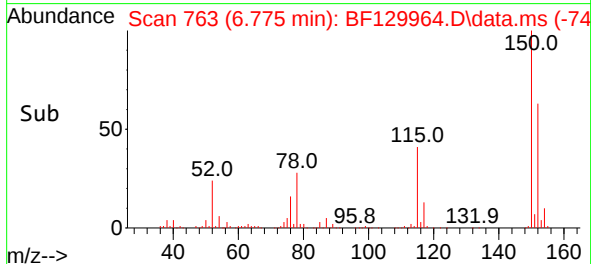
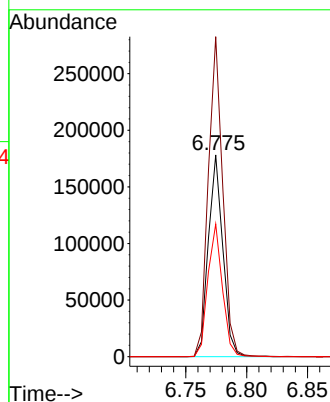


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Instrument :
BNA_F
ClientSampleId :

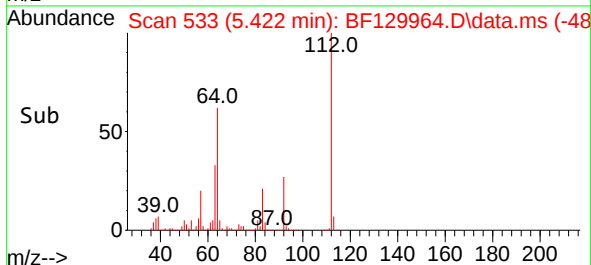
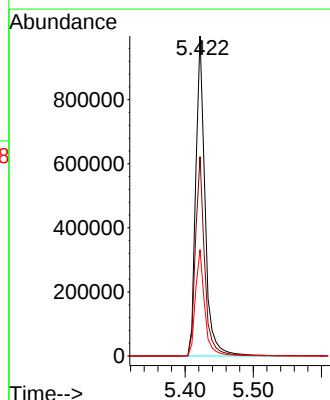
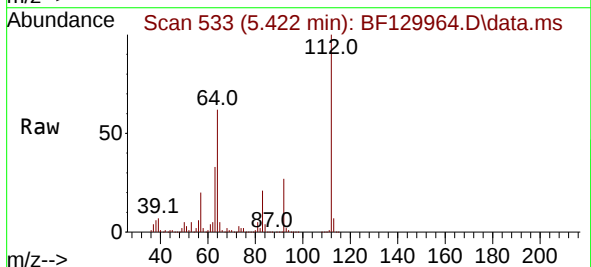


Tgt Ion:152 Resp: 147111
Ion Ratio Lower Upper
152 100
150 158.5 126.9 190.3
115 65.7 53.4 80.0



#5
2-Fluorophenol
Concen: 106.081 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.012 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion:112 Resp: 942541
Ion Ratio Lower Upper
112 100
64 62.3 47.6 71.4
63 33.3 24.6 37.0

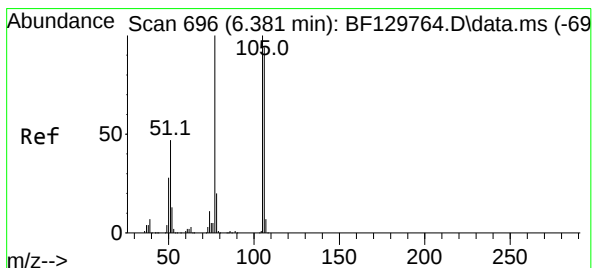
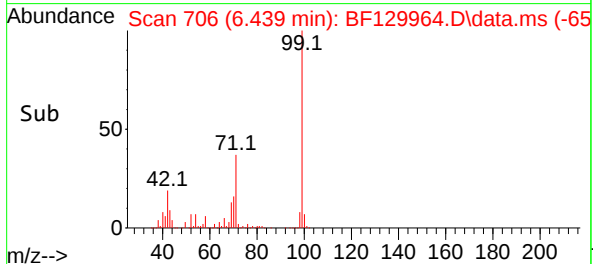
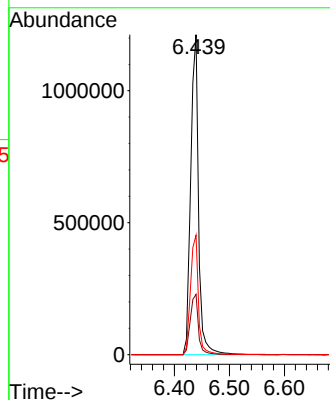
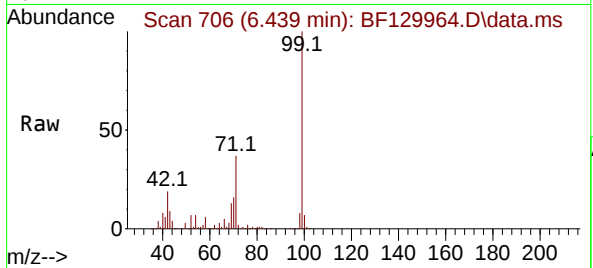




#7
Phenol-d6
Concen: 107.539 ng
RT: 6.439 min Scan# 70
Delta R.T. 0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

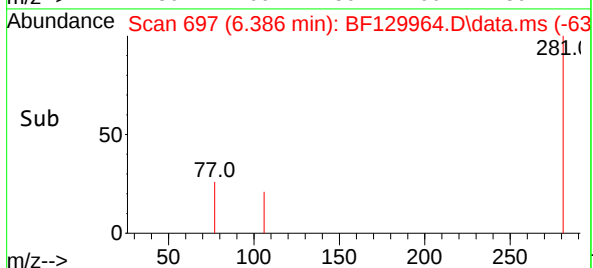
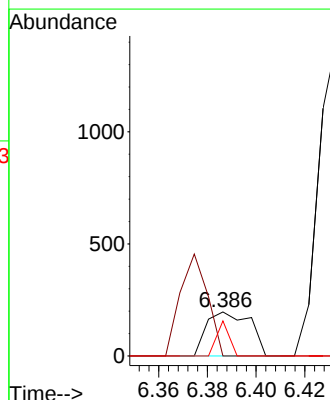
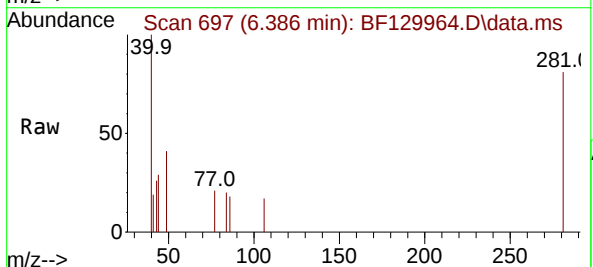
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1196552
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.4
71 37.4 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.386 min Scan# 697
Delta R.T. 0.053 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion: 77 Resp: 244
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 79.6 74.3 114.3

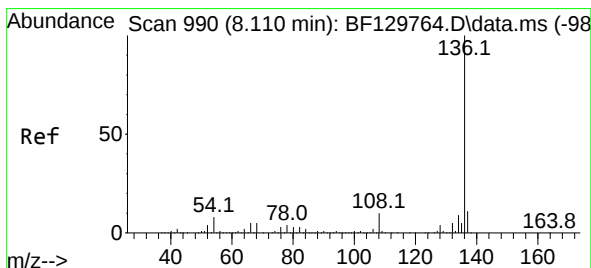
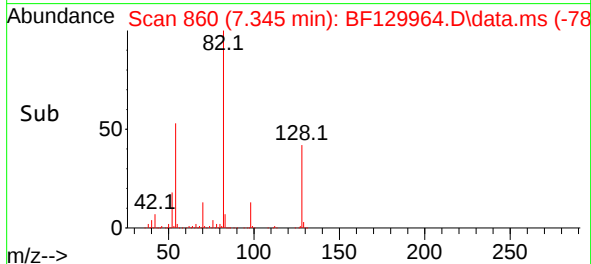
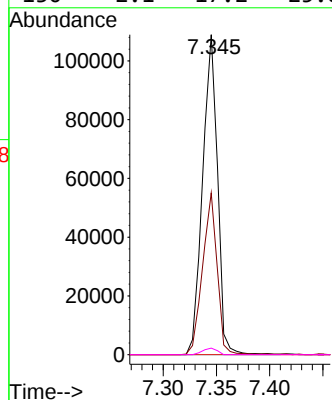
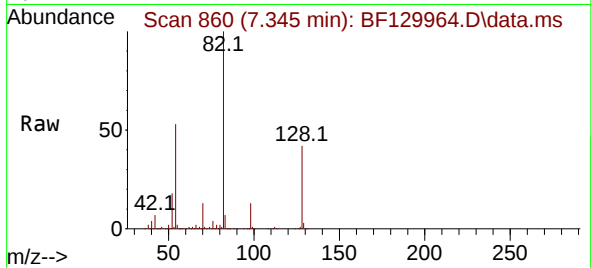




#19
n-Nitroso-di-n-propylamine
Concen: 15.117 ng
RT: 7.345 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

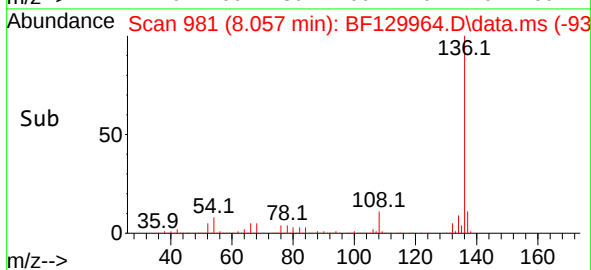
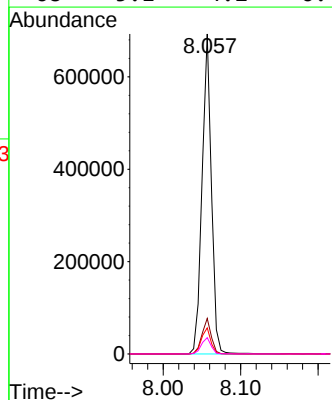
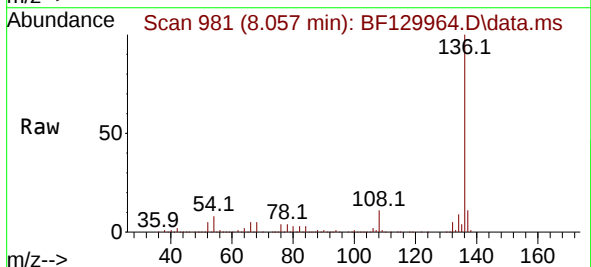
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 106318
Ion Ratio Lower Upper
70 100
42 50.5 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: 8.057 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion: 136 Resp: 580473
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.2 6.2 9.2
68 5.1 4.2 6.4

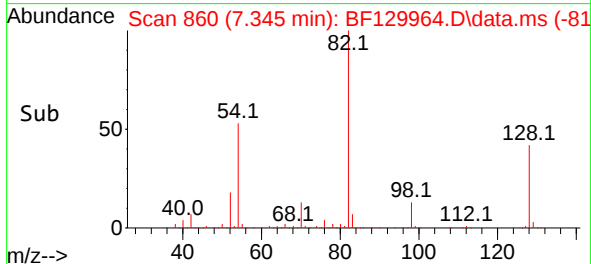
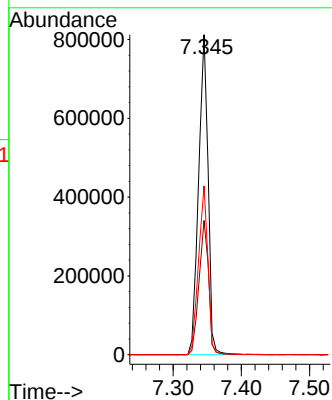
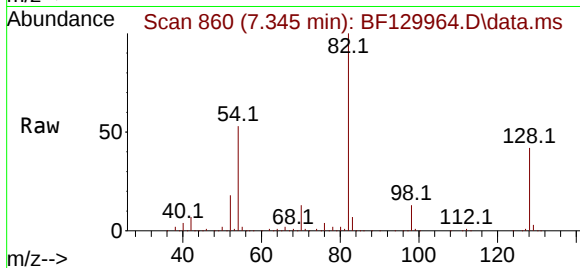




#23
Nitrobenzene-d5
Concen: 72.512 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

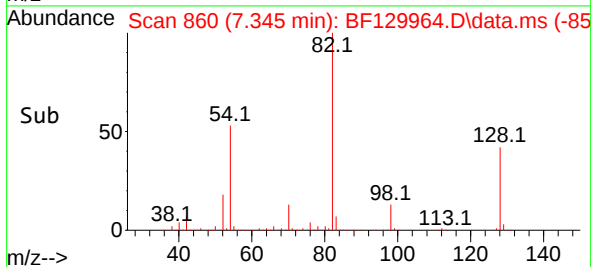
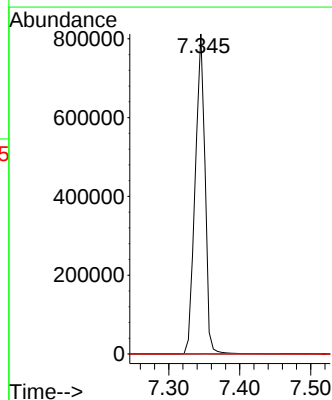
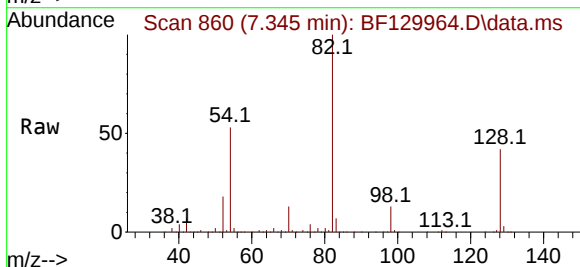
Instrument :
BNA_F
ClientSampleId :

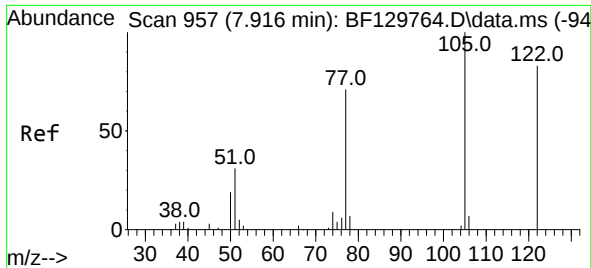
Tgt Ion: 82 Resp: 786285
Ion Ratio Lower Upper
82 100
128 42.0 36.1 54.1
54 52.8 40.0 60.0



#25
Isophorone
Concen: 42.130 ng
RT: 7.345 min Scan# 860
Delta R.T. -0.259 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion: 82 Resp: 786278
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

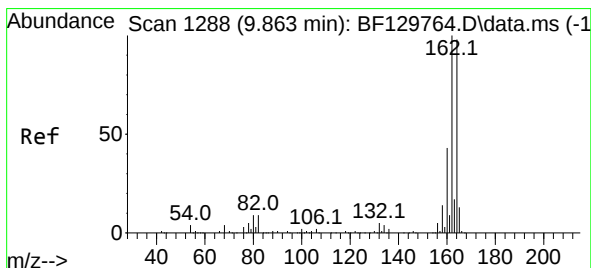
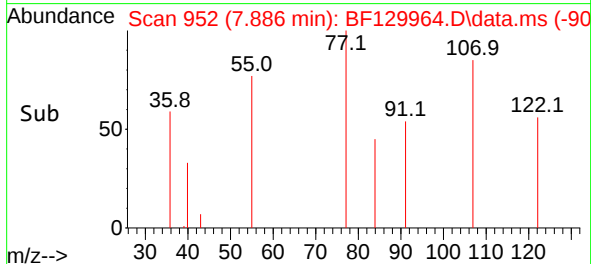
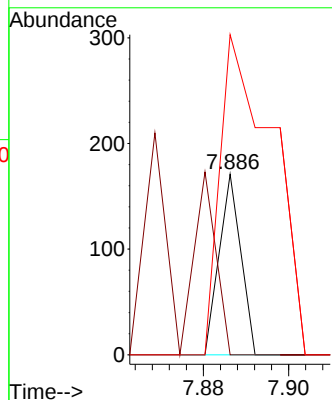
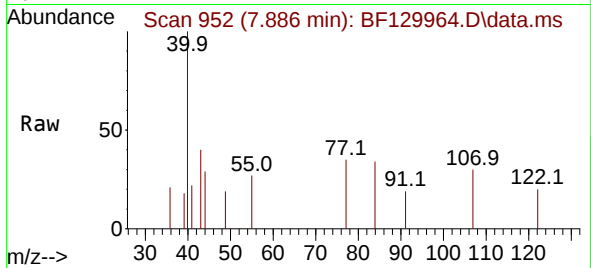




#32
Benzoic acid
Concen: 2.171 ng
RT: 7.886 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

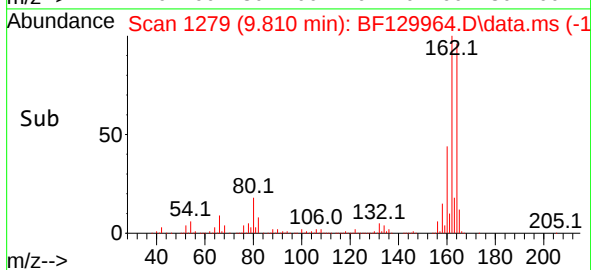
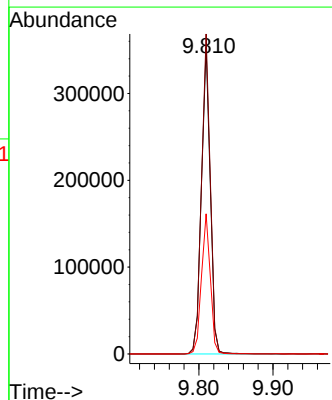
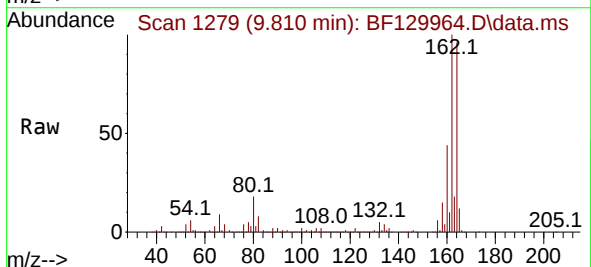
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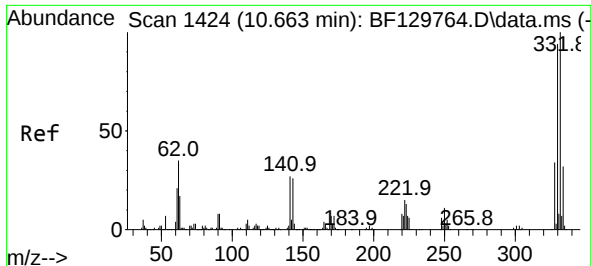
Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 177.2 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion:164 Resp: 294074
Ion Ratio Lower Upper
164 100
162 104.1 82.0 123.0
160 45.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 93.044 ng

RT: 10.610 min Scan# 1415

Delta R.T. -0.000 min

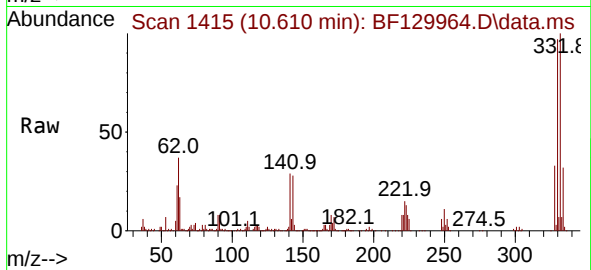
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ClientSampleId :



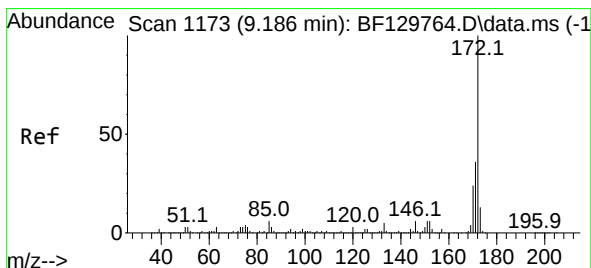
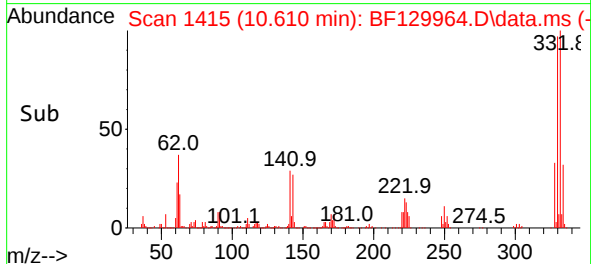
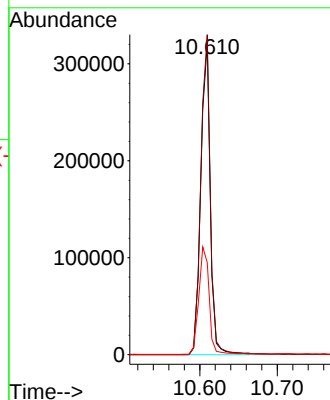
Tgt Ion:330 Resp: 274617

Ion Ratio Lower Upper

330 100

332 103.5 82.6 124.0

141 37.6 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 73.201 ng

RT: 9.133 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF129964.D

Acq: 23 Aug 2022 21:28

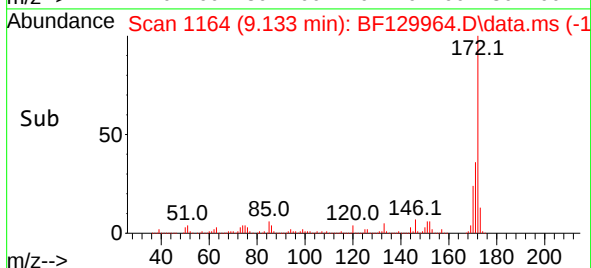
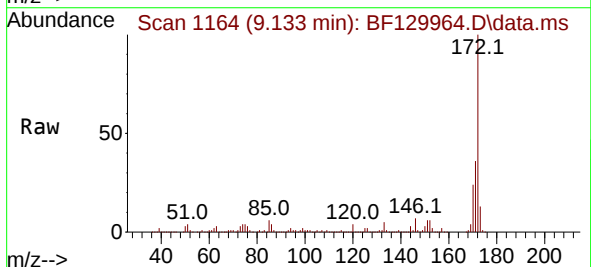
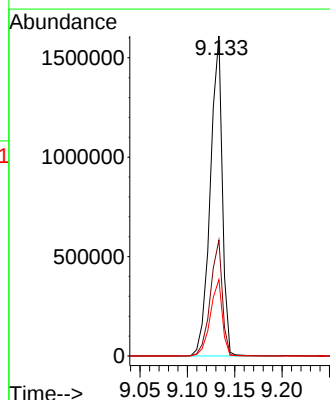
Tgt Ion:172 Resp: 1417339

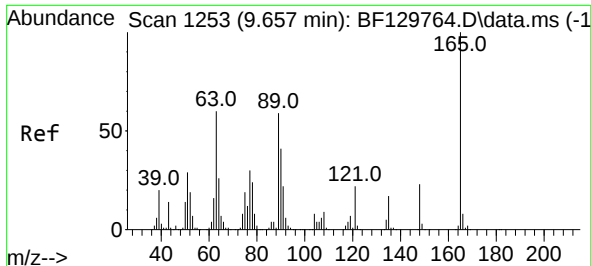
Ion Ratio Lower Upper

172 100

171 36.2 28.4 42.6

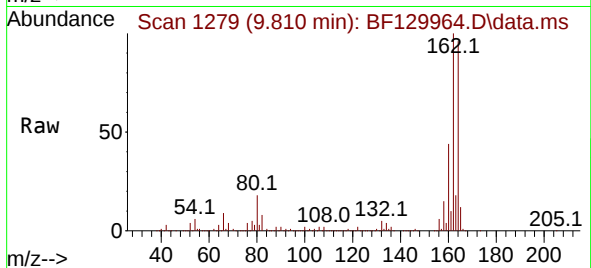
170 23.8 19.1 28.7



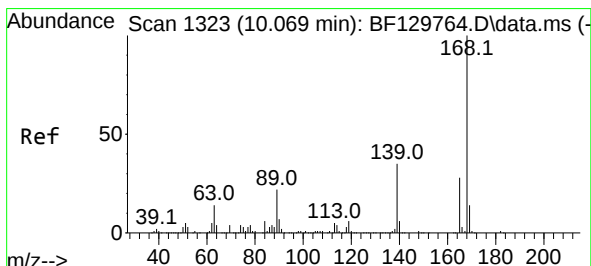
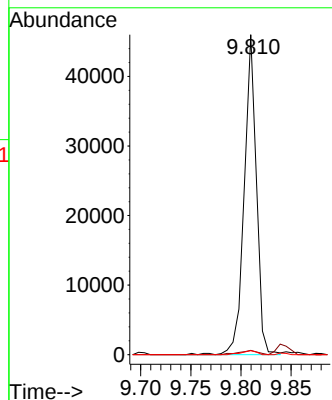
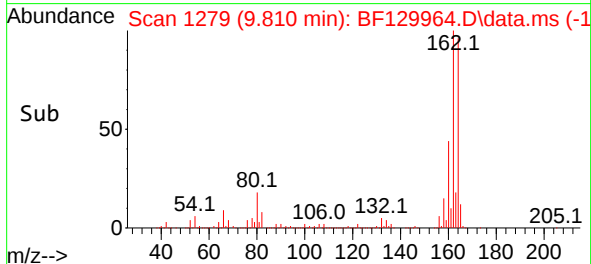


#51
2,6-Dinitrotoluene
Concen: 8.551 ng
RT: 9.810 min Scan# 1279
Delta R.T. 0.194 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Instrument :
BNA_F
ClientSampleId :

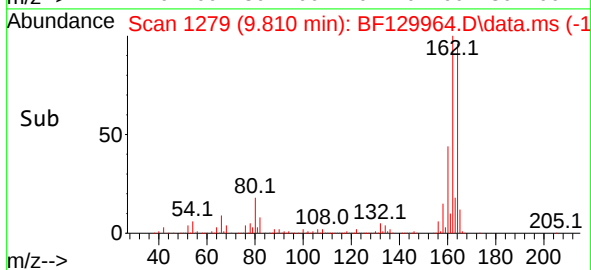
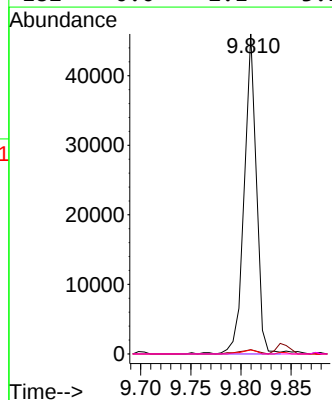
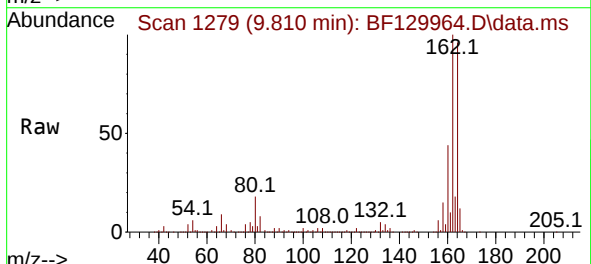


Tgt Ion:165 Resp: 39105
Ion Ratio Lower Upper
165 100
63 1.4 47.8 71.8#
89 1.2 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.587 ng
RT: 9.810 min Scan# 1279
Delta R.T. -0.212 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion:165 Resp: 39105
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.2 62.3 93.5#
182 0.0 2.1 3.1#

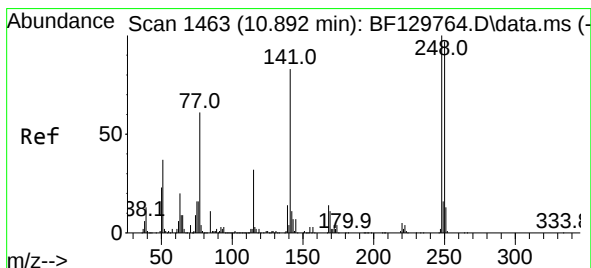
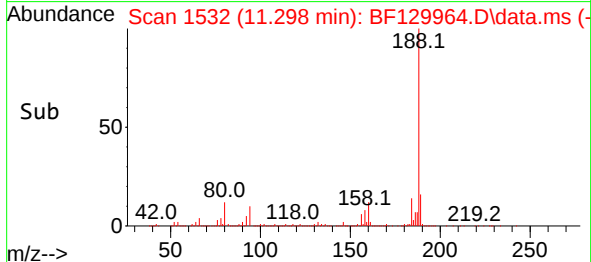
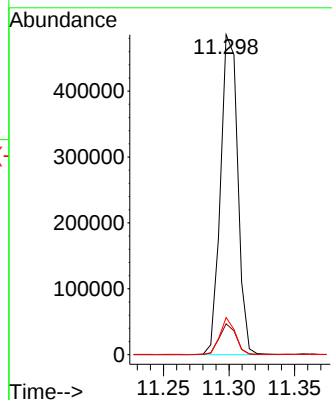
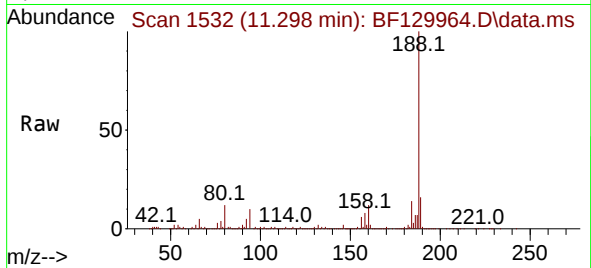




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

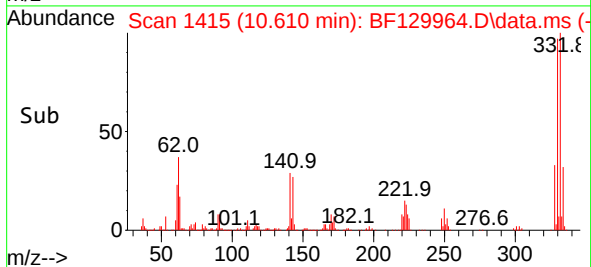
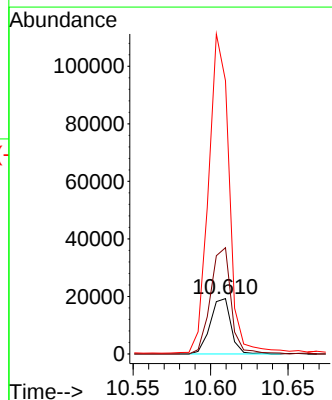
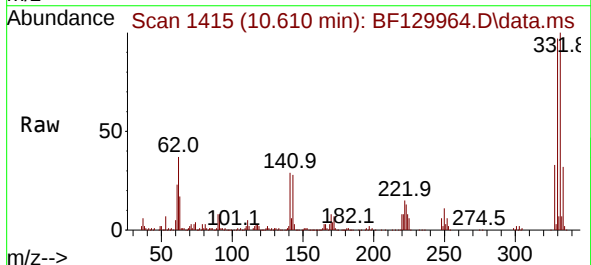
Instrument :
BNA_F
ClientSampleId :

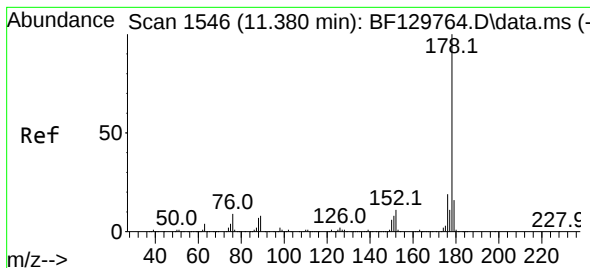
Tgt Ion:188 Resp: 443234
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 11.6 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.443 ng
RT: 10.610 min Scan# 1415
Delta R.T. -0.235 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion:248 Resp: 17874
Ion Ratio Lower Upper
248 100
250 191.7 77.8 116.6#
141 492.9 66.2 99.2#





#71

Phenanthrene

Concen: 13.410 ng

RT: 11.321 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129964.D

Acq: 23 Aug 2022 21:28

Instrument :

BNA_F

ClientSampleId :

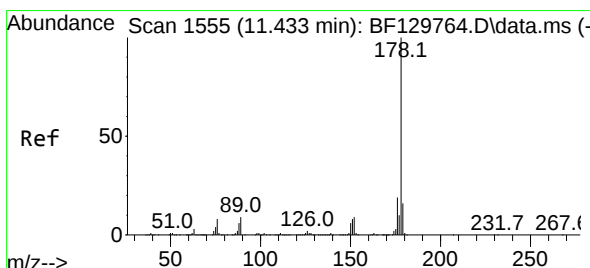
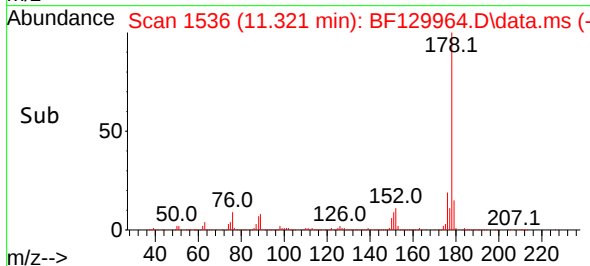
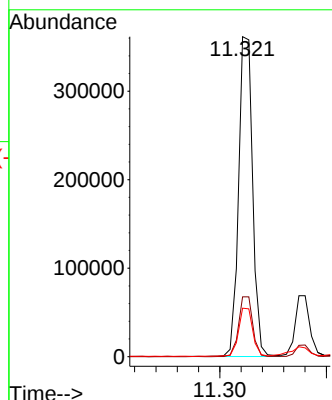
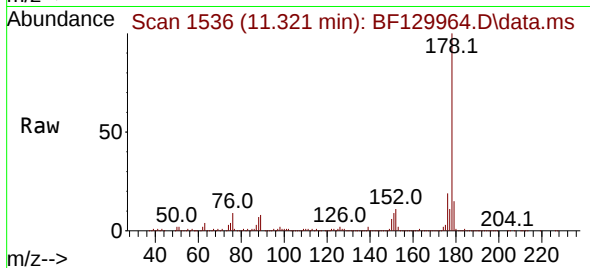
Tgt Ion:178 Resp: 331963

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 15.2 12.5 18.7



#72

Anthracene

Concen: 2.570 ng

RT: 11.380 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BF129964.D

Acq: 23 Aug 2022 21:28

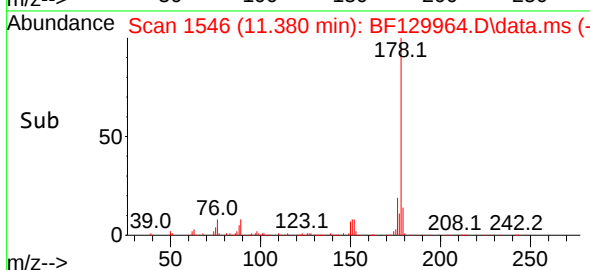
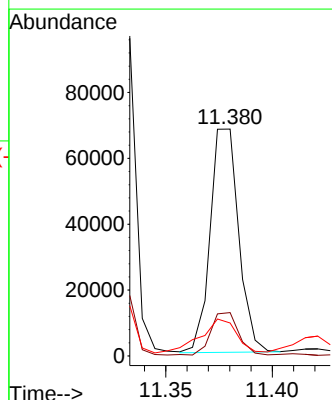
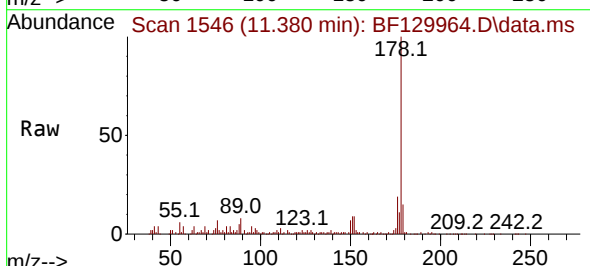
Tgt Ion:178 Resp: 63263

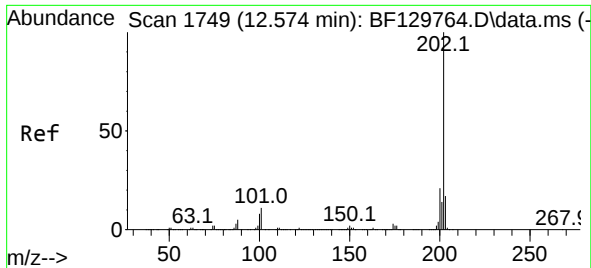
Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 14.5 12.6 18.8

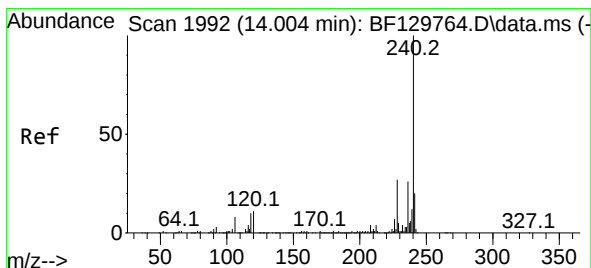
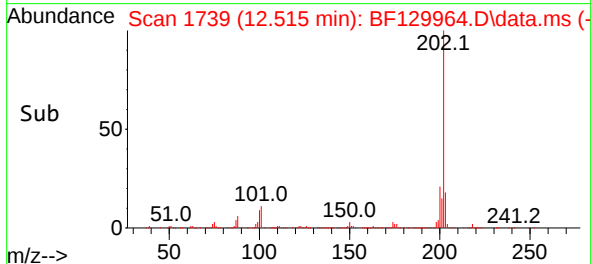
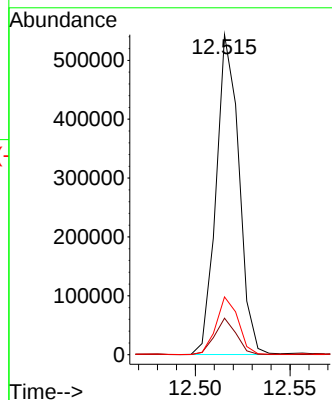
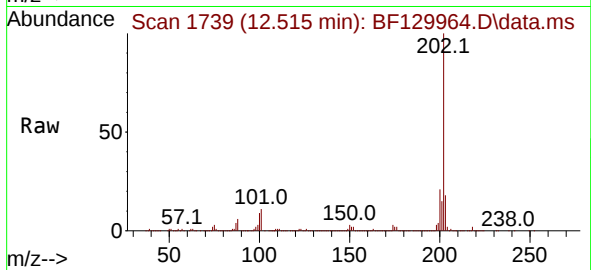




#75
Fluoranthene
Concen: 17.971 ng
RT: 12.515 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

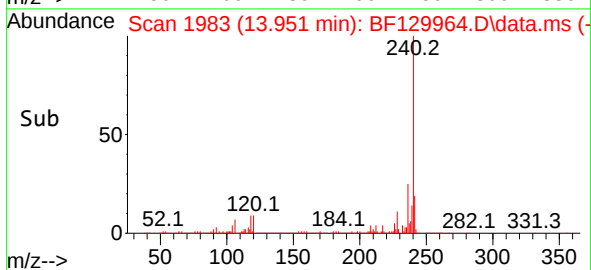
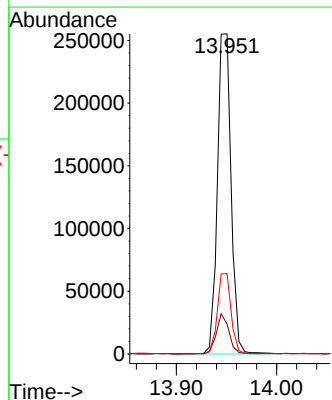
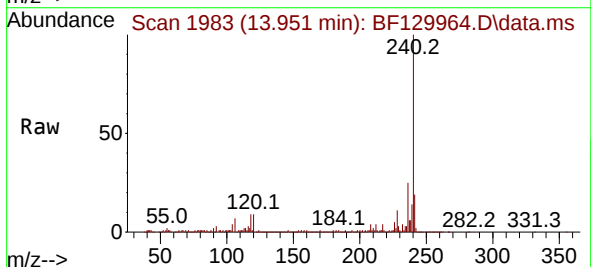
Instrument :
BNA_F
ClientSampleId :

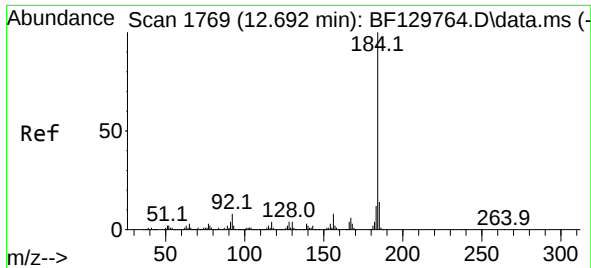
Tgt Ion:202 Resp: 455221
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.7
203 18.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion:240 Resp: 241487
Ion Ratio Lower Upper
240 100
120 9.4 9.2 13.8
236 25.1 20.7 31.1

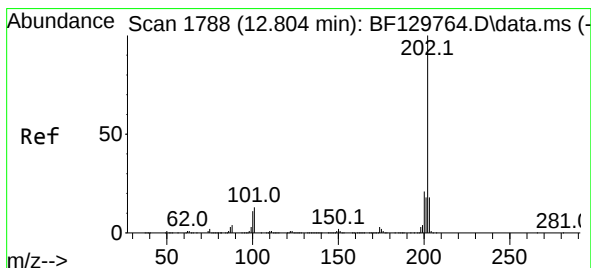
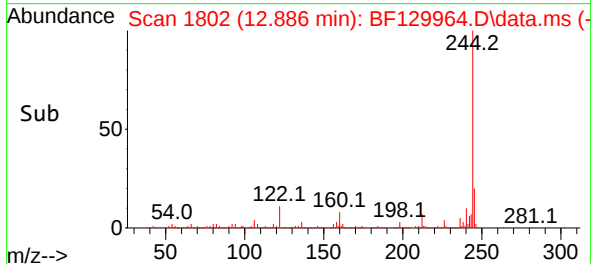
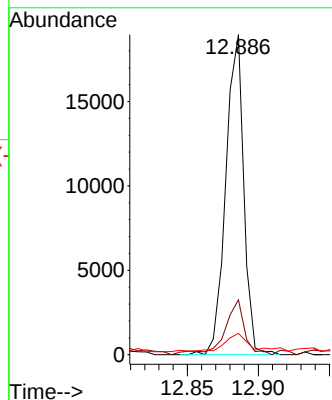
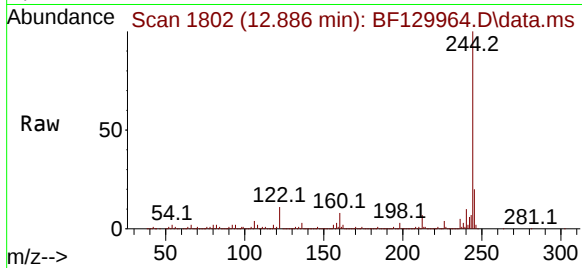




#77
Benzidine
Concen: Below Cal
RT: 12.886 min Scan# 1780
Delta R.T. 0.241 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

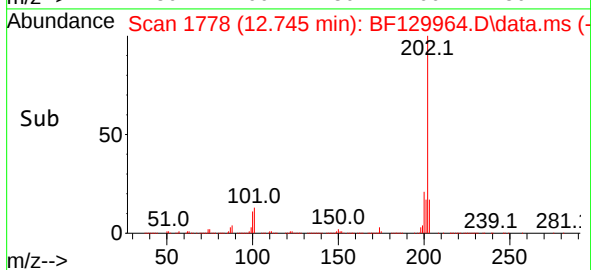
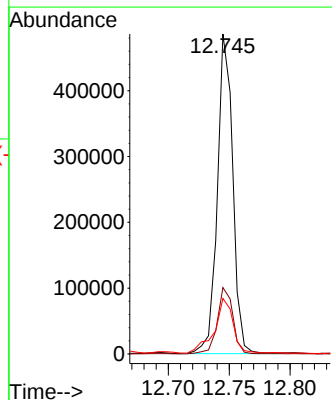
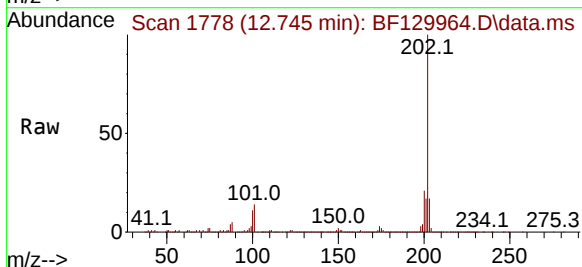
Instrument :
BNA_F
ClientSampleId :

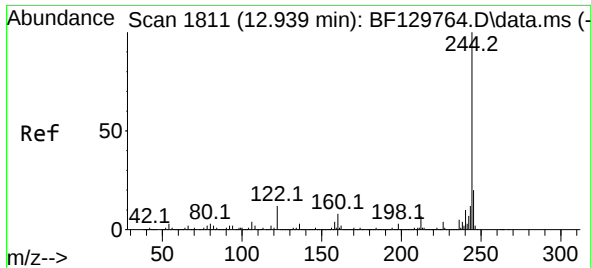
Tgt Ion:184 Resp: 16642
Ion Ratio Lower Upper
184 100
185 17.2 11.4 17.2#
183 6.6 9.4 14.2#



#78
Pyrene
Concen: 20.381 ng
RT: 12.745 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion:202 Resp: 427691
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 17.3 14.1 21.1

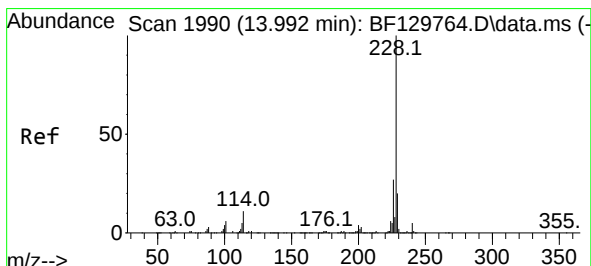
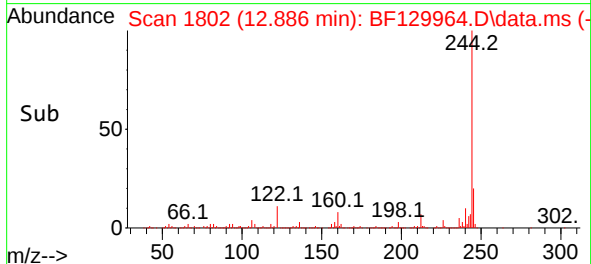
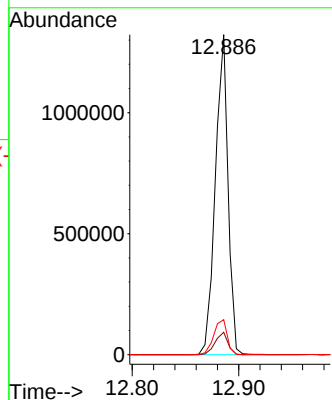
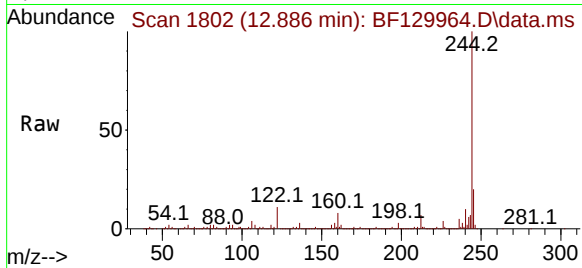




#79
 Terphenyl-d14
 Concen: 75.012 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF129964.D
 Acq: 23 Aug 2022 21:28

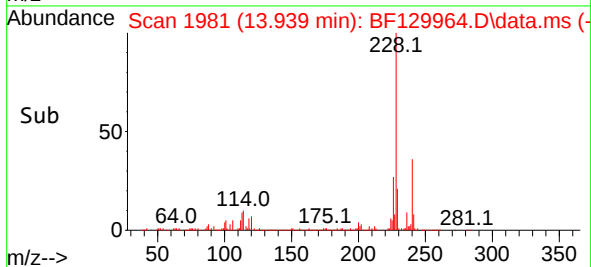
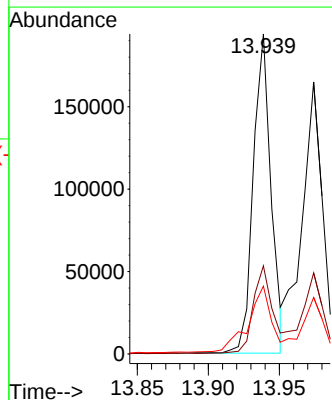
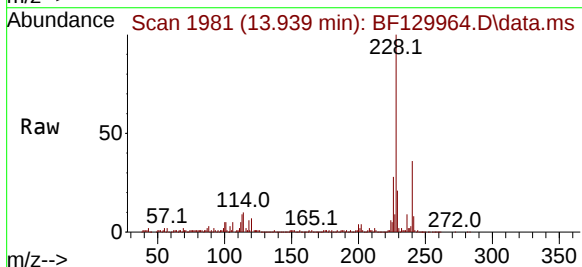
Instrument :
 BNA_F
 ClientSampleId :

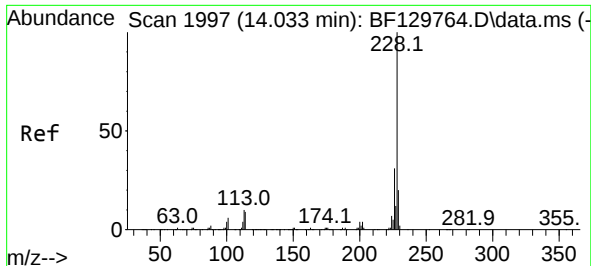
Tgt Ion:244 Resp: 1088651
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 10.9 9.9 14.9



#81
 Benzo(a)anthracene
 Concen: 10.160 ng
 RT: 13.939 min Scan# 1981
 Delta R.T. -0.000 min
 Lab File: BF129964.D
 Acq: 23 Aug 2022 21:28

Tgt Ion:228 Resp: 168771
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.4 32.0
 229 21.2 16.1 24.1

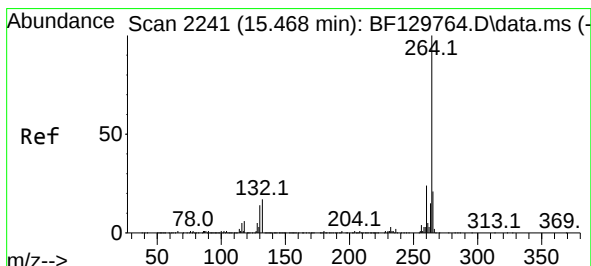
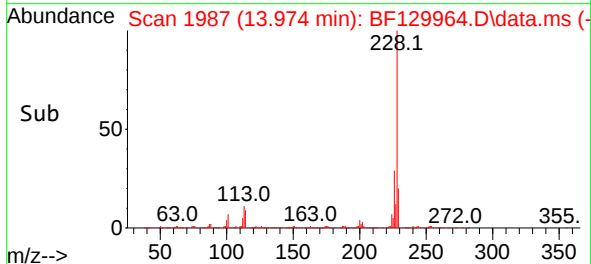
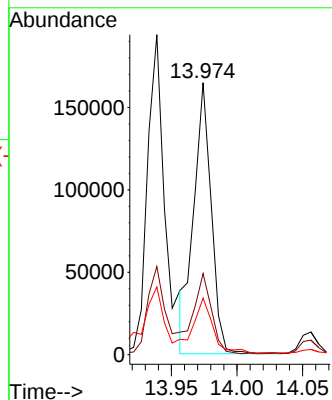
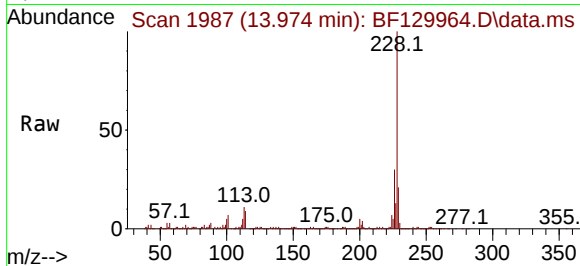




#83
Chrysene
Concen: 9.843 ng
RT: 13.974 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

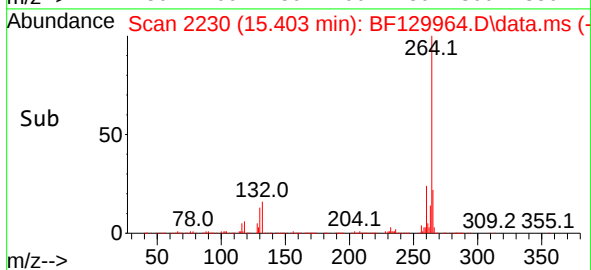
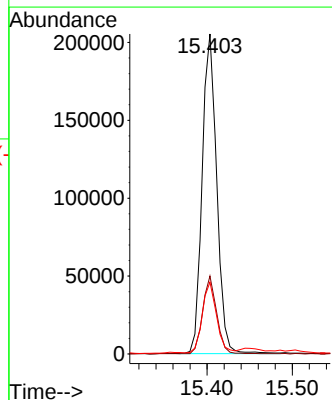
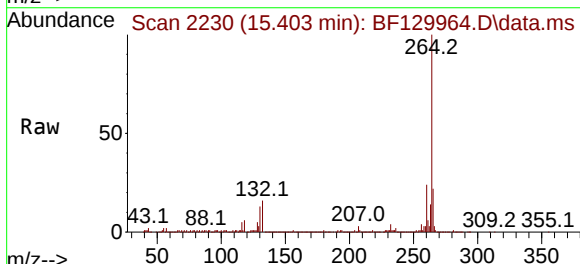
Instrument :
BNA_F
ClientSampleId :

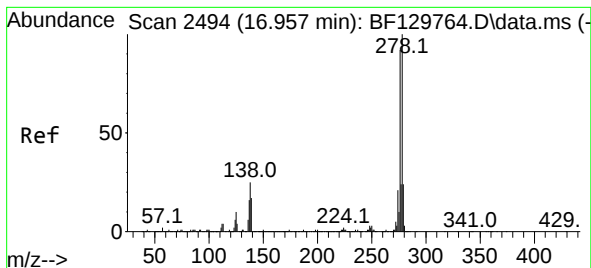
Tgt Ion:228 Resp: 153065
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 20.8 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.403 min Scan# 2230
Delta R.T. 0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion:264 Resp: 244104
Ion Ratio Lower Upper
264 100
260 24.4 19.1 28.7
265 22.5 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.208 ng

RT: 16.856 min Scan# 2494

Delta R.T. -0.000 min

Lab File: BF129964.D

Acq: 23 Aug 2022 21:28

Instrument :

BNA_F

ClientSampleId :

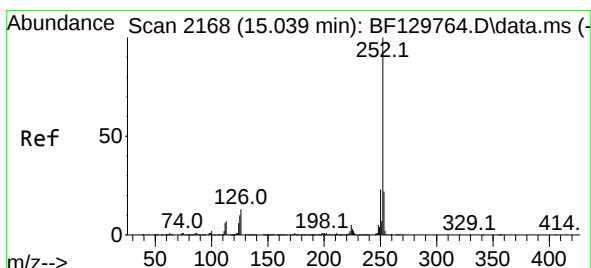
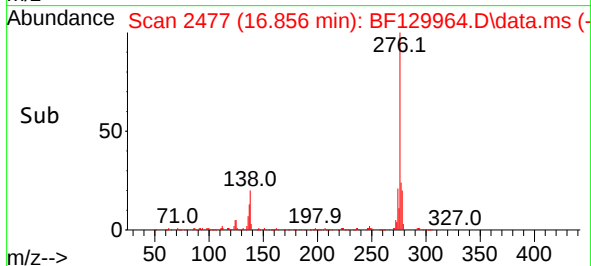
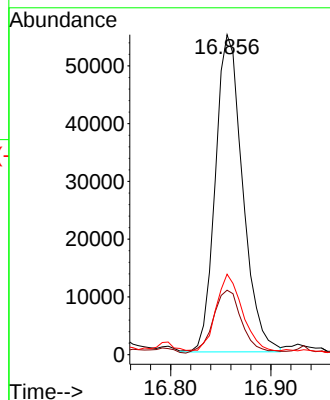
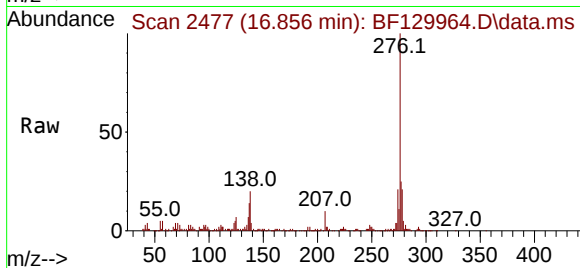
Tgt Ion:276 Resp: 104039

Ion Ratio Lower Upper

276 100

138 20.9 19.8 29.8

277 23.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 16.492 ng

RT: 14.980 min Scan# 2158

Delta R.T. -0.000 min

Lab File: BF129964.D

Acq: 23 Aug 2022 21:28

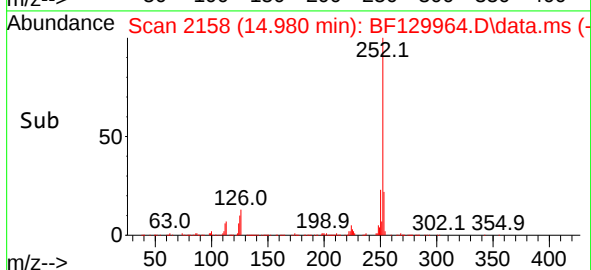
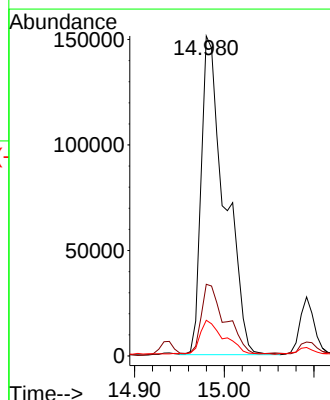
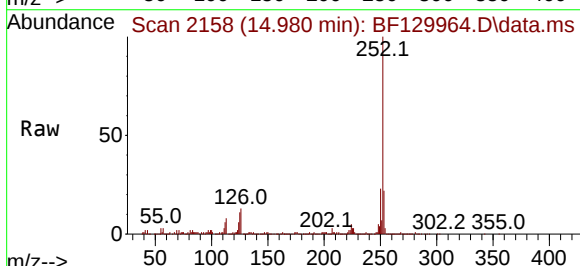
Tgt Ion:252 Resp: 275662

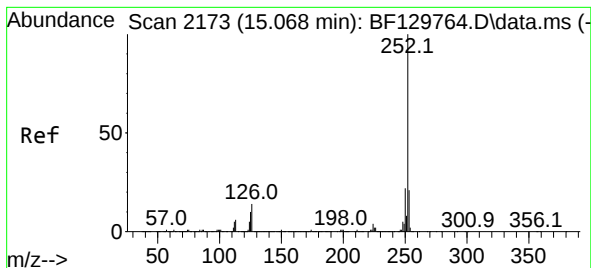
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 11.1 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 17.197 ng

RT: 14.980 min Scan# 2173

Delta R.T. -0.030 min

Lab File: BF129964.D

Acq: 23 Aug 2022 21:28

Instrument :

BNA_F

ClientSampleId :

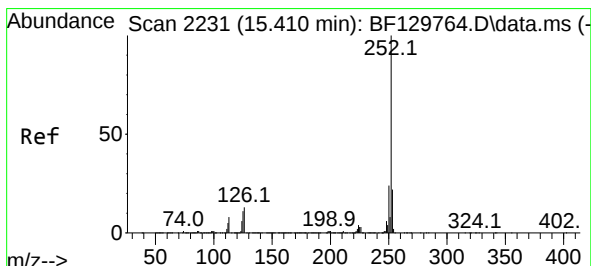
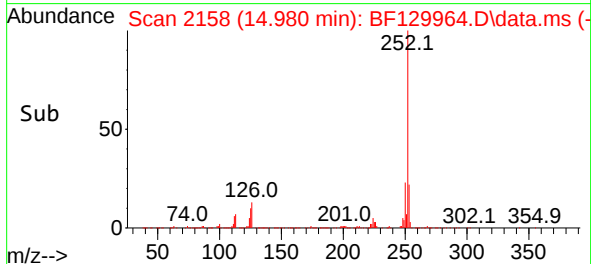
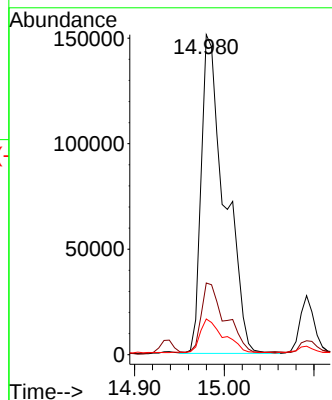
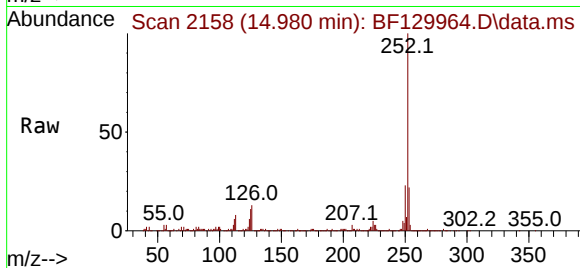
Tgt Ion:252 Resp: 275662

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 11.1 8.3 12.5



#90

Benzo(a)pyrene

Concen: 11.954 ng

RT: 15.345 min Scan# 2220

Delta R.T. 0.006 min

Lab File: BF129964.D

Acq: 23 Aug 2022 21:28

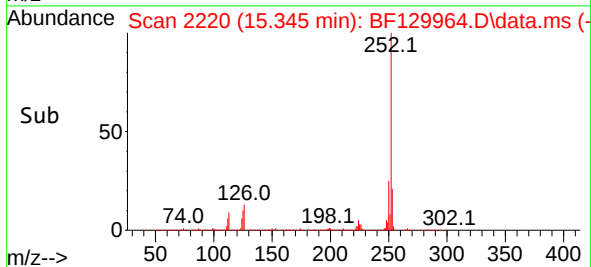
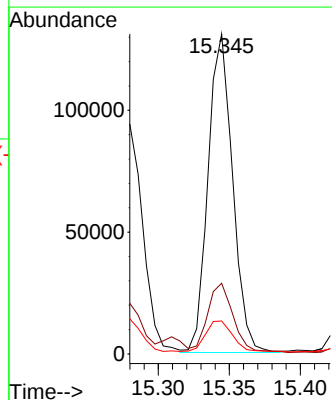
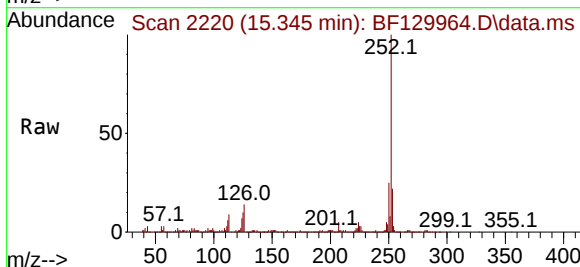
Tgt Ion:252 Resp: 157347

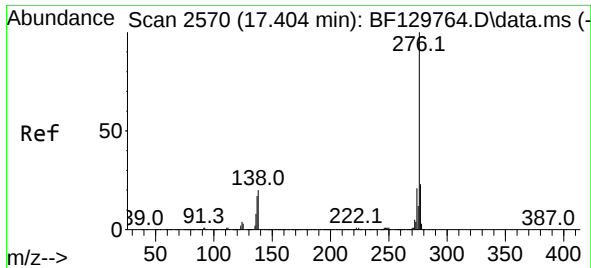
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

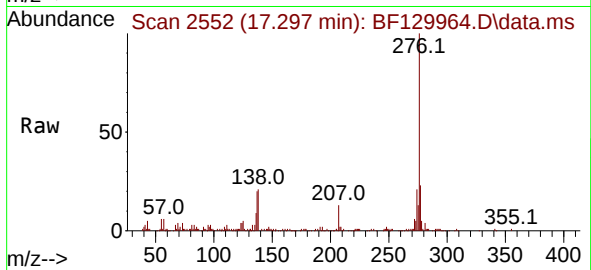
125 10.3 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.979 ng
 RT: 17.297 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF129964.D
 Acq: 23 Aug 2022 21:28

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion: 276 Resp: 96277
 Ion Ratio Lower Upper
 276 100
 277 22.8 18.2 27.4
 138 20.7 15.8 23.8

