

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
 Data File : BF130027.D
 Acq On : 26 Aug 2022 19:44
 Operator : CG\JU
 Sample : N4375-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Aug 27 06:12:14 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 25 14:45:09 2022
 Response via : Initial Calibration

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

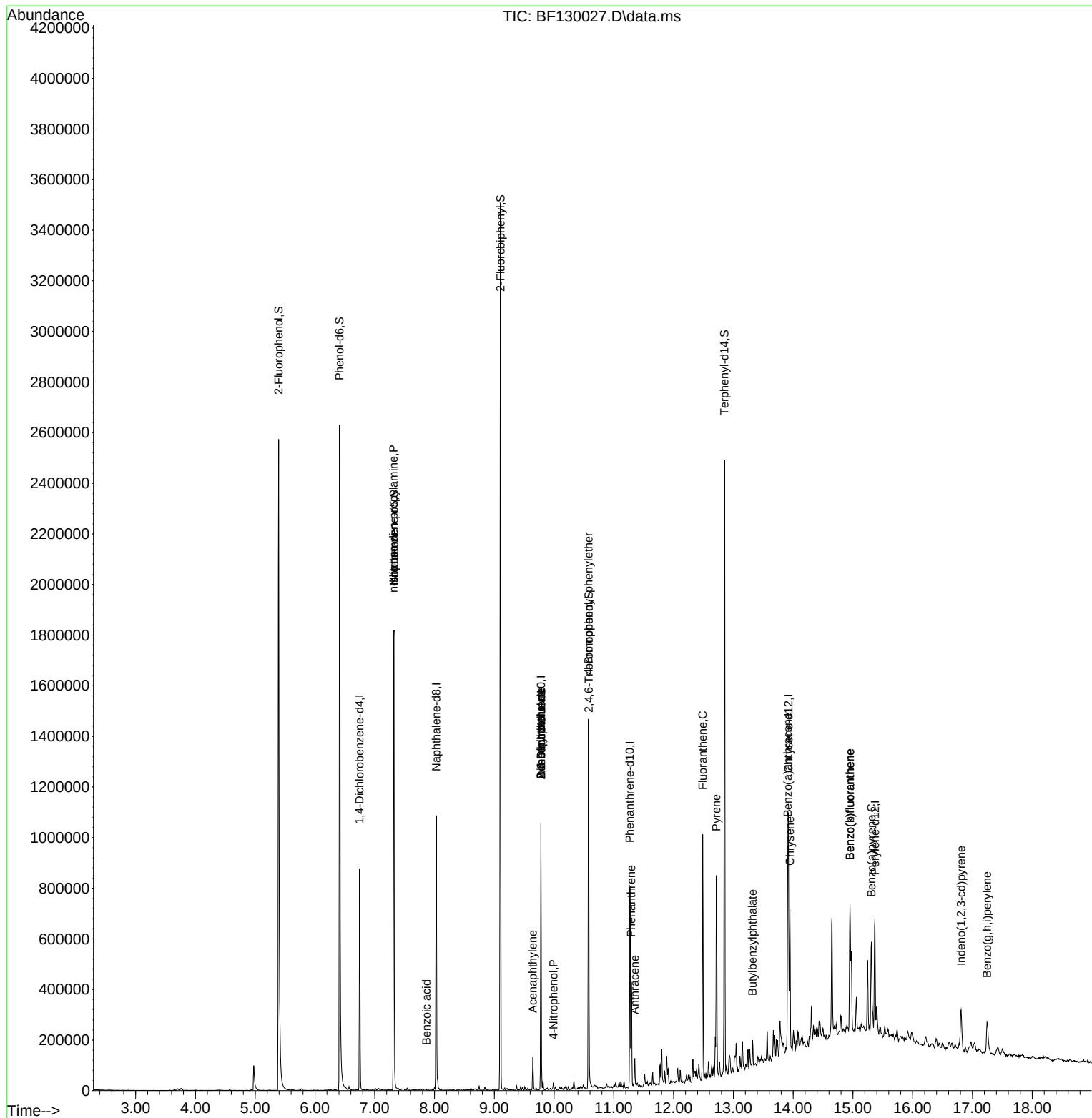
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	116539	20.000	ng	-0.01
21) Naphthalene-d8	8.028	136	432275	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	188581	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	263979	20.000	ng	-0.01
76) Chrysene-d12	13.921	240	249725	20.000	ng	0.00
86) Perylene-d12	15.368	264	202691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	789318	112.140	ng	0.00
7) Phenol-d6	6.410	99	950357	107.819	ng	-0.01
23) Nitrobenzene-d5	7.322	82	608338	75.335	ng	-0.01
42) 2,4,6-Tribromophenol	10.580	330	167565	88.533	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	944419	76.062	ng	-0.01
79) Terphenyl-d14	12.851	244	795234	52.987	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.339	77	60	Below Cal	#	52
19) n-Nitroso-di-n-propyla...	7.316	70	83020	14.901	ng	# 78
25) Isophorone	7.322	82	608331	43.770	ng	# 65
32) Benzoic acid	7.863	122	53	2.176	ng	# 27
49) Acenaphthylene	9.645	152	47413	2.758	ng	99
50) Dimethylphthalate	9.780	163	33259	2.460	ng	# 1
51) 2,6-Dinitrotoluene	9.780	165	24438	8.333	ng	# 23
56) 4-Nitrophenol	9.992	139	3486	2.416	ng	# 8
57) 2,4-Dinitrotoluene	9.780	165	24438	6.420	ng	# 18
67) 4-Bromophenyl-phenylether	10.574	248	10787	3.489	ng	# 1
71) Phenanthrene	11.292	178	153765	10.430	ng	99
72) Anthracene	11.351	178	46341	3.161	ng	98
75) Fluoranthene	12.486	202	333558	22.110	ng	99
77) Benzidine	12.851	184	11974	Below Cal	#	91
78) Pyrene	12.715	202	306835	14.139	ng	99
80) Butylbenzylphthalate	13.321	149	23085	2.514	ng	90
81) Benzo(a)anthracene	13.910	228	237606	13.831	ng	97
83) Chrysene	13.945	228	192375	11.963	ng	98
87) Indeno(1,2,3-cd)pyrene	16.809	276	105741	7.599	ng	93
88) Benzo(b)fluoranthene	14.951	252	358708	25.845	ng	99
89) Benzo(k)fluoranthene	14.951	252	358708	26.949	ng	99
90) Benzo(a)pyrene	15.309	252	171536	15.694	ng	98
92) Benzo(g,h,i)perylene	17.245	276	98213	8.574	ng	96

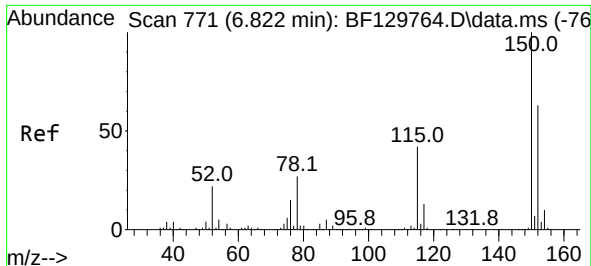
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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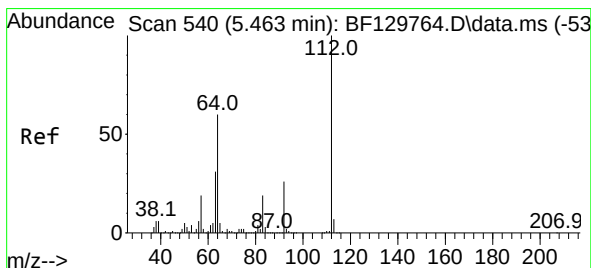
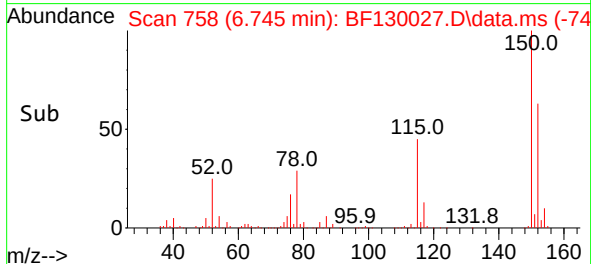
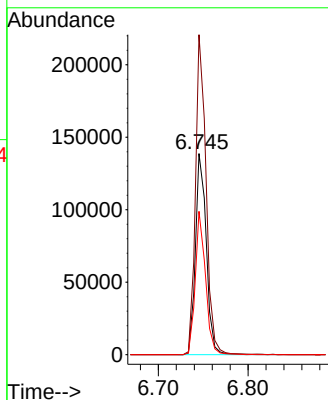
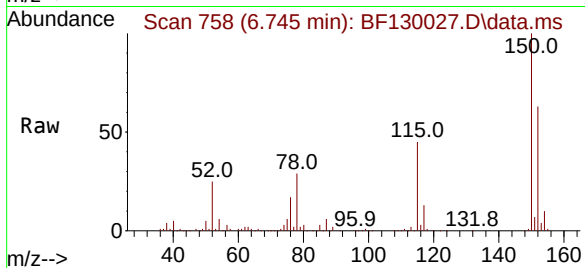




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

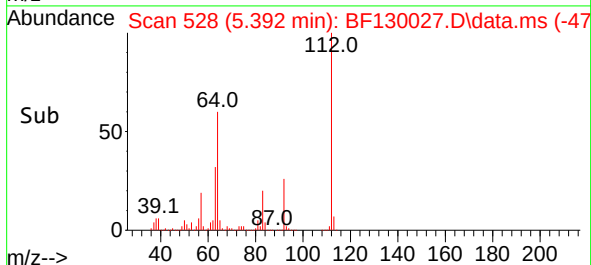
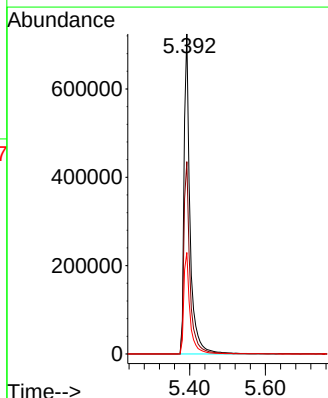
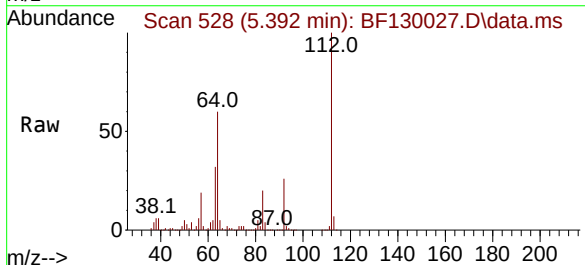
Instrument :
BNA_F
ClientSampleId :
WC-4

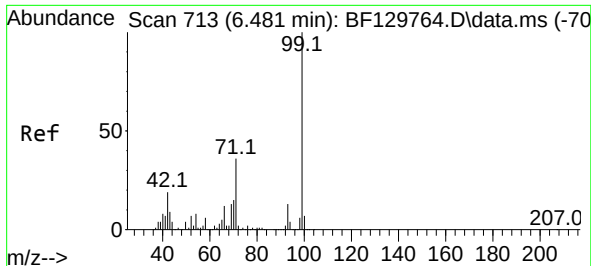
Tgt Ion:152 Resp: 116539
Ion Ratio Lower Upper
152 100
150 159.1 126.9 190.3
115 71.3 53.4 80.0



#5
2-Fluorophenol
Concen: 112.140 ng
RT: 5.392 min Scan# 528
Delta R.T. -0.000 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:112 Resp: 789318
Ion Ratio Lower Upper
112 100
64 60.1 47.6 71.4
63 31.7 24.6 37.0

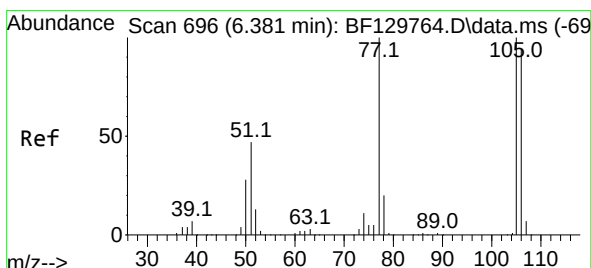
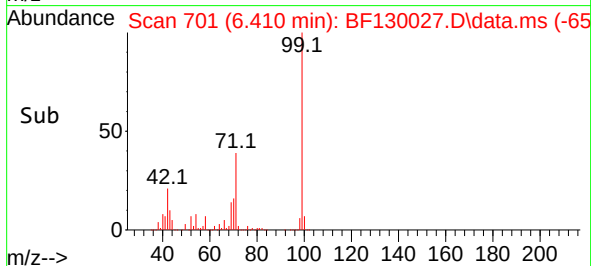
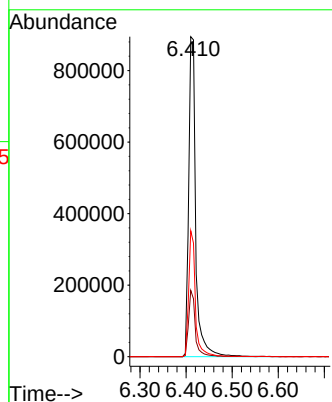
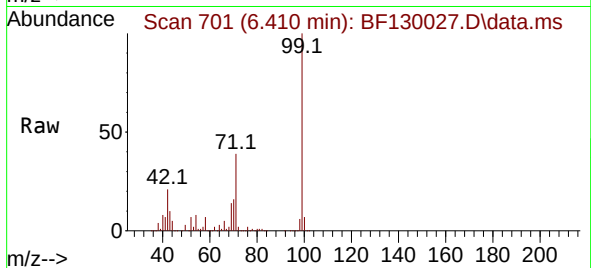




#7
Phenol-d6
Concen: 107.819 ng
RT: 6.410 min Scan# 713
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

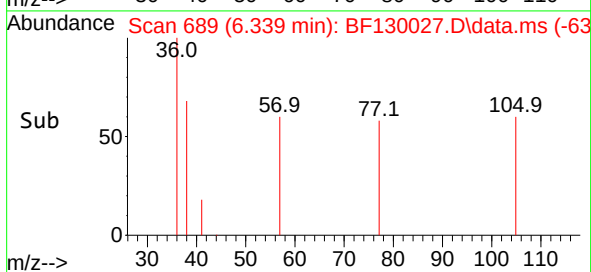
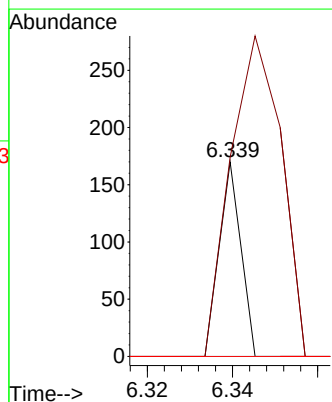
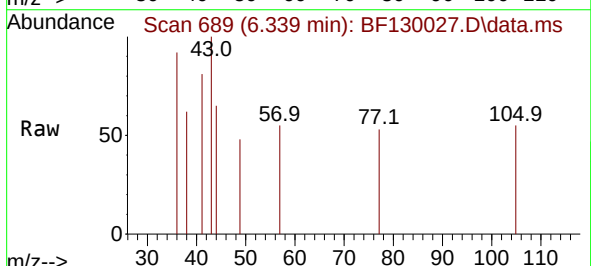
Instrument :
BNA_F
ClientSampleId :
WC-4

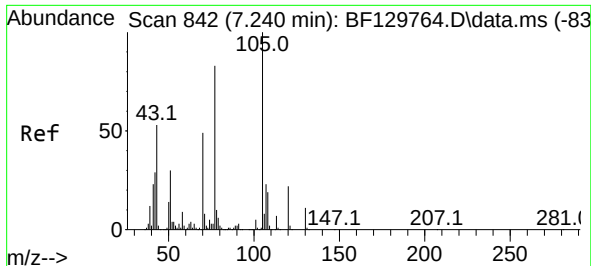
Tgt Ion: 99 Resp: 950357
Ion Ratio Lower Upper
99 100
42 20.7 15.0 22.4
71 39.3 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.339 min Scan# 689
Delta R.T. 0.023 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion: 77 Resp: 60
Ion Ratio Lower Upper
77 100
105 102.4 80.3 120.3
106 0.0 74.3 114.3#

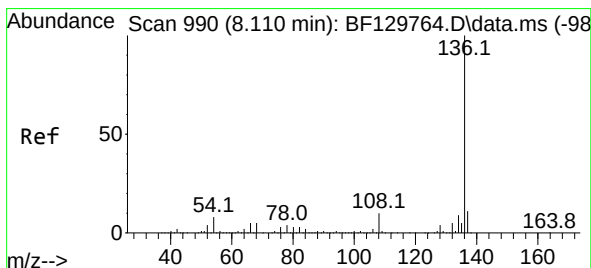
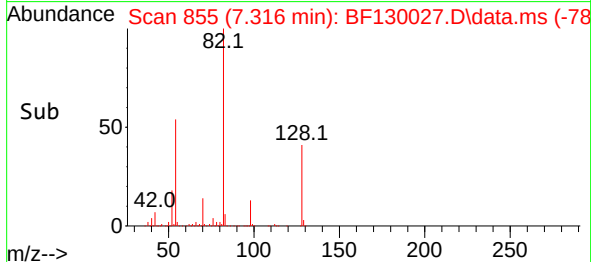
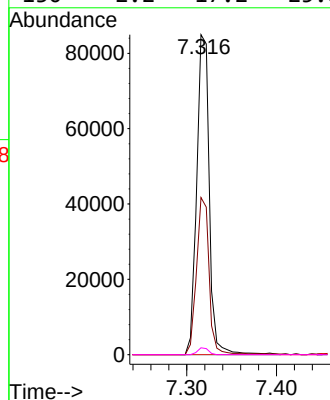
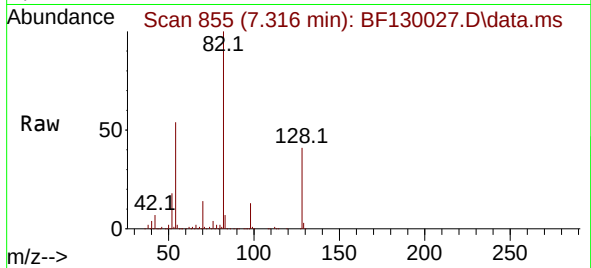




#19
n-Nitroso-di-n-propylamine
Concen: 14.901 ng
RT: 7.316 min Scan# 81
Delta R.T. 0.135 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

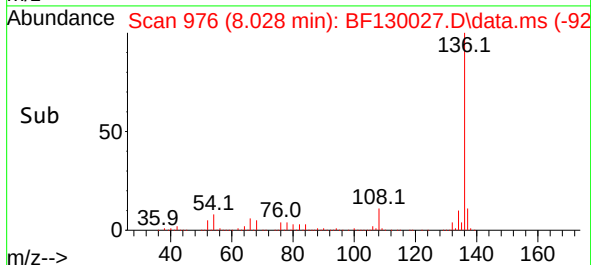
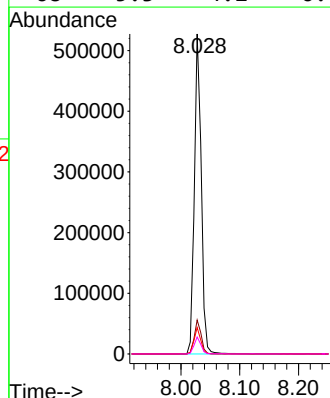
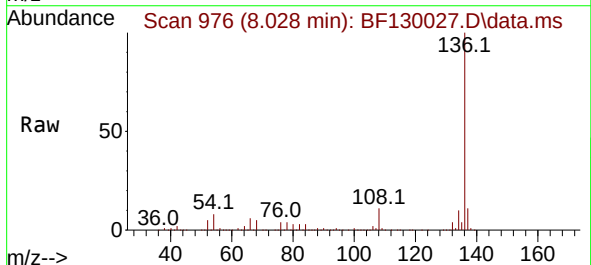
Instrument :
BNA_F
ClientSampleId :
WC-4

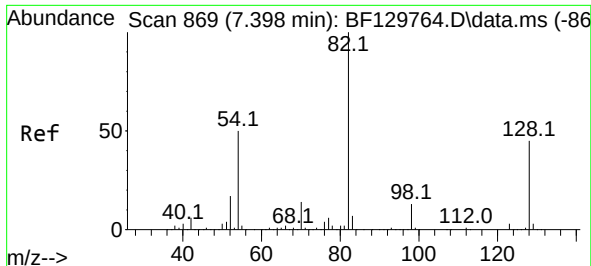
Tgt Ion: 70 Resp: 83020
Ion Ratio Lower Upper
70 100
42 49.1 47.6 71.4
101 0.0 8.1 12.1#
130 2.2 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion: 136 Resp: 432275
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.3 6.2 9.2
68 5.3 4.2 6.4

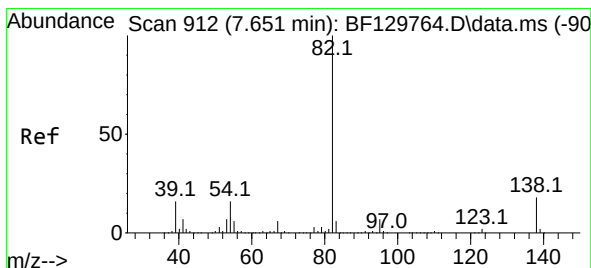
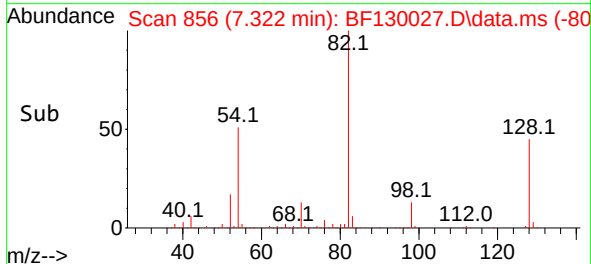
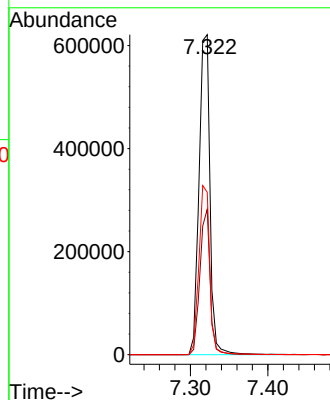
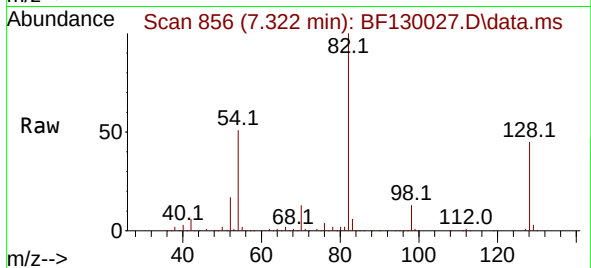




#23
Nitrobenzene-d5
Concen: 75.335 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

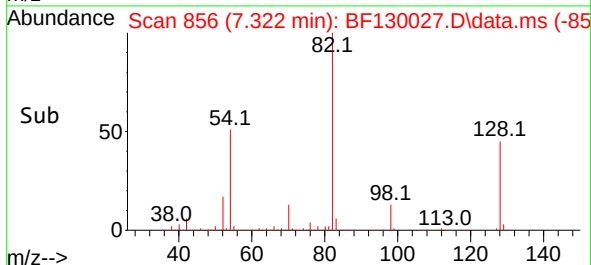
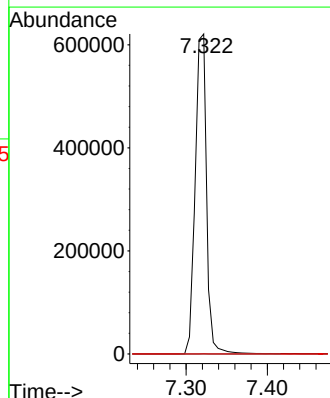
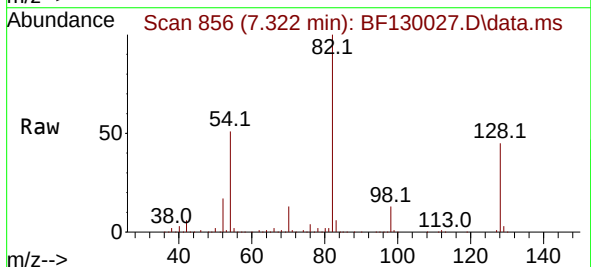
Instrument :
BNA_F
ClientSampleId :
WC-4

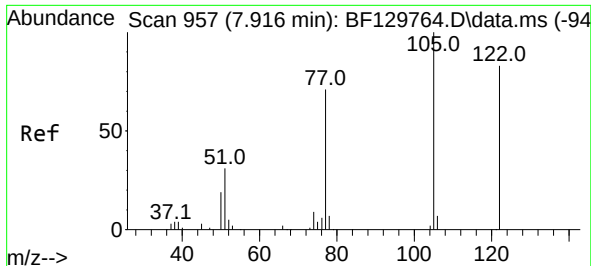
Tgt Ion: 82 Resp: 608338
Ion Ratio Lower Upper
82 100
128 45.5 36.1 54.1
54 50.8 40.0 60.0



#25
Isophorone
Concen: 43.770 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.265 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion: 82 Resp: 608331
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

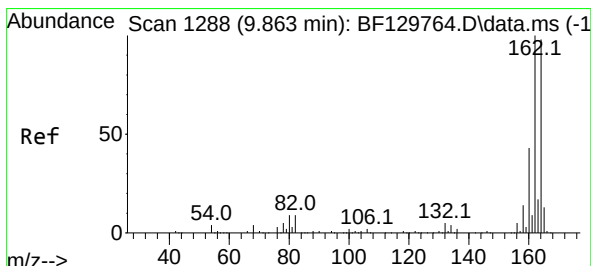
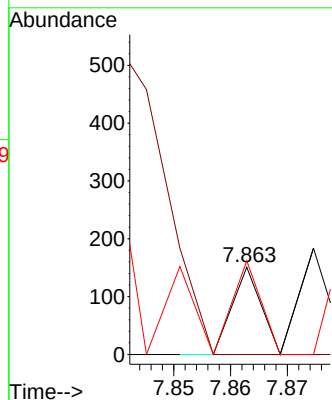
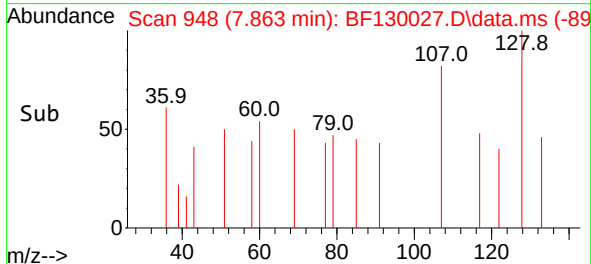
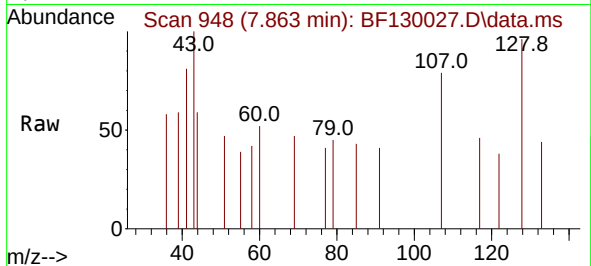




#32
Benzoic acid
Concen: 2.176 ng
RT: 7.863 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

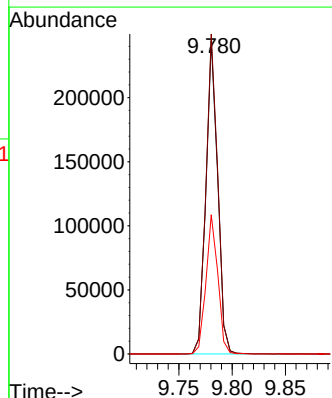
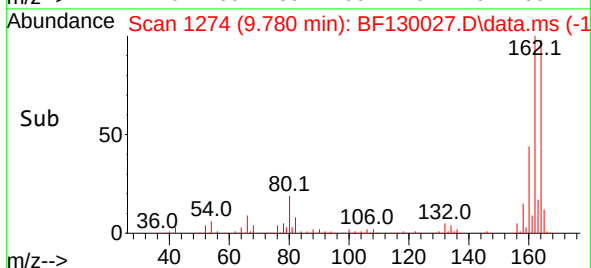
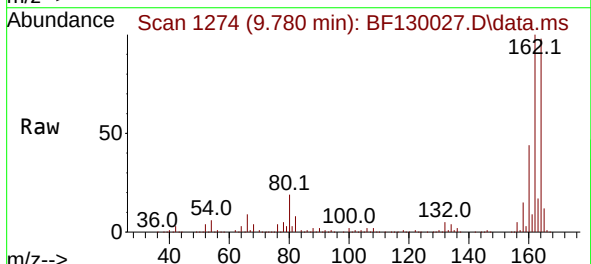
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ClientSampleId :
WC-4

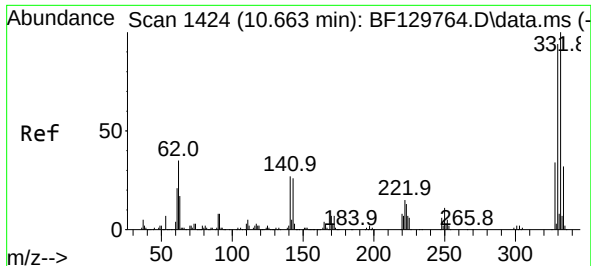
Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 107.3 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1274
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:164 Resp: 188581
Ion Ratio Lower Upper
164 100
162 102.1 82.0 123.0
160 44.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 88.533 ng

RT: 10.580 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

Instrument :

BNA_F

ClientSampleId :

WC-4

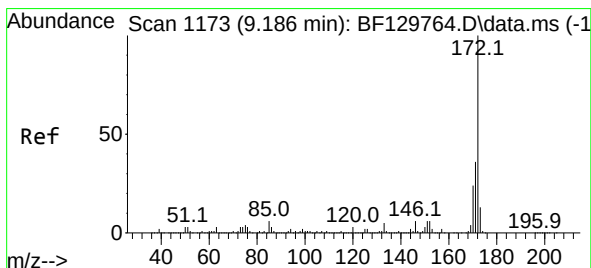
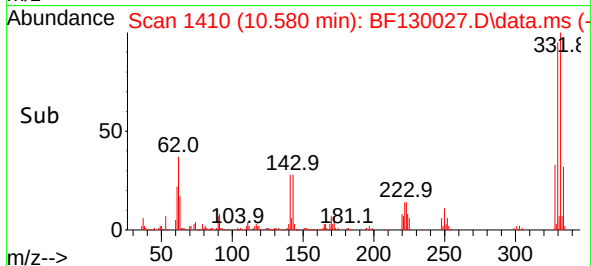
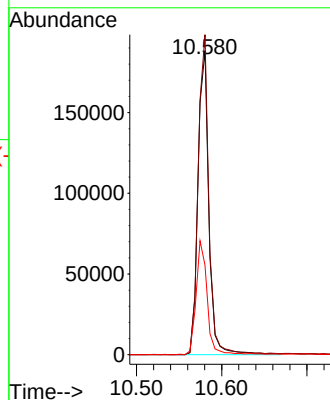
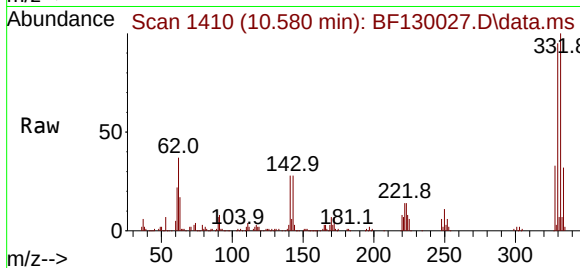
Tgt Ion:330 Resp: 167565

Ion Ratio Lower Upper

330 100

332 104.5 82.6 124.0

141 38.2 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 76.062 ng

RT: 9.104 min Scan# 1159

Delta R.T. -0.012 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

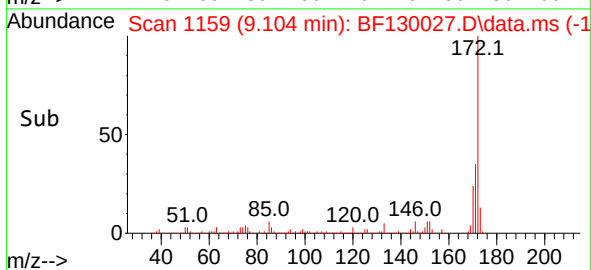
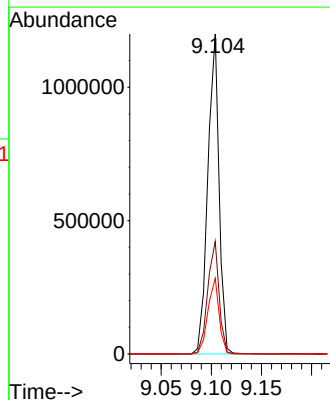
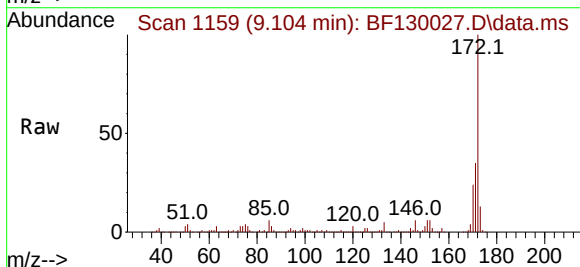
Tgt Ion:172 Resp: 944419

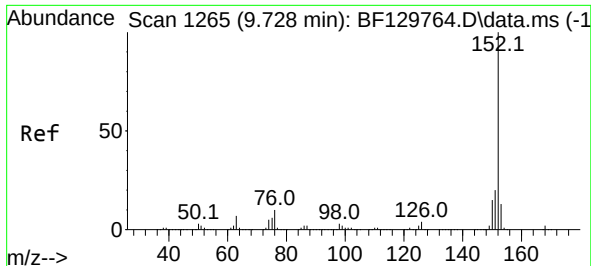
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.7 19.1 28.7





#49

Acenaphthylene

Concen: 2.758 ng

RT: 9.645 min Scan# 1251

Delta R.T. -0.012 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

Instrument :

BNA_F

ClientSampleId :

WC-4

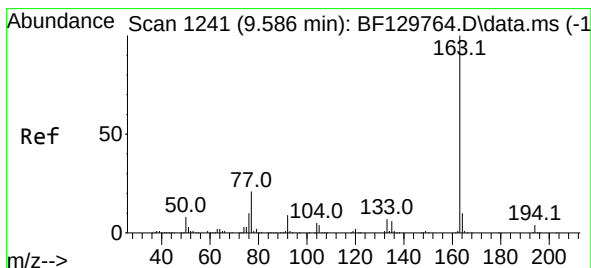
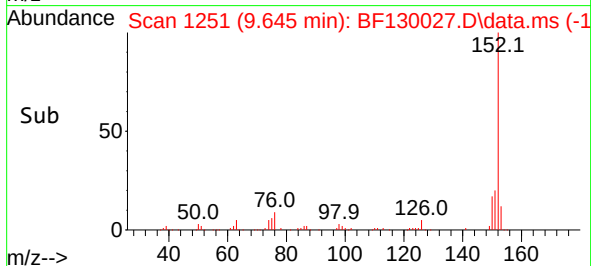
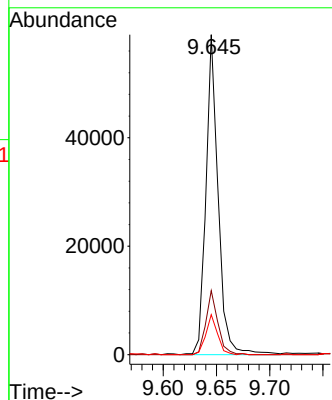
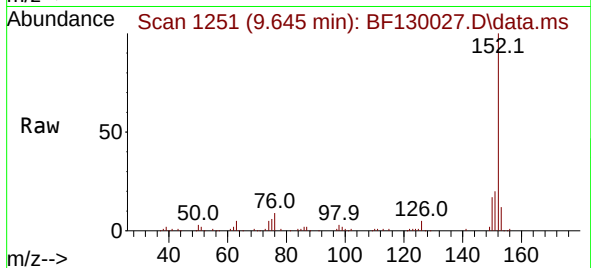
Tgt Ion:152 Resp: 47413

Ion Ratio Lower Upper

152 100

151 20.0 16.1 24.1

153 12.5 10.6 16.0



#50

Dimethylphthalate

Concen: 2.460 ng

RT: 9.780 min Scan# 1274

Delta R.T. 0.259 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

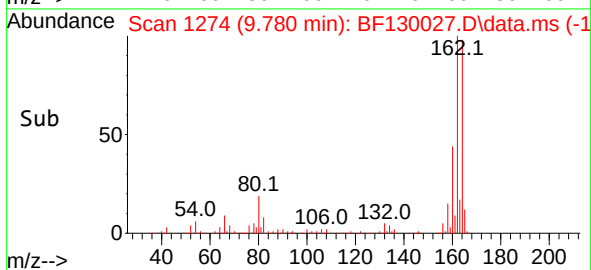
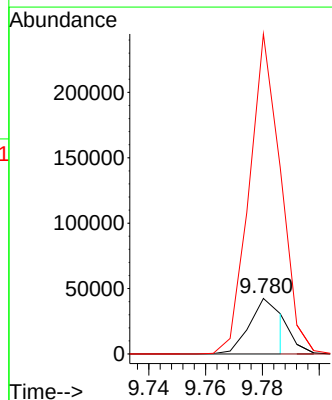
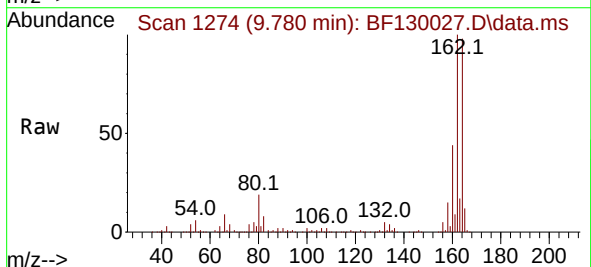
Tgt Ion:163 Resp: 33259

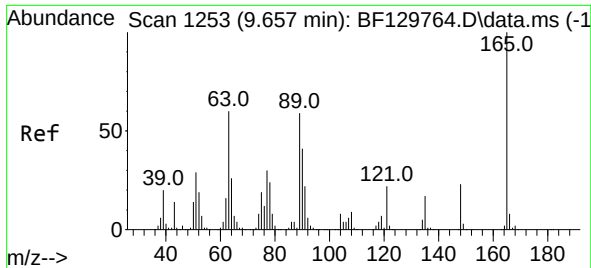
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 575.5 8.2 12.2#

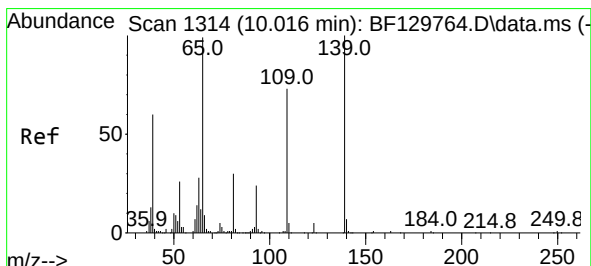
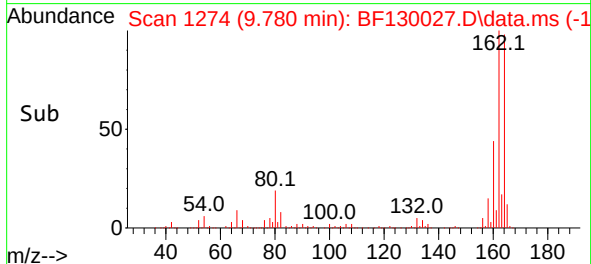
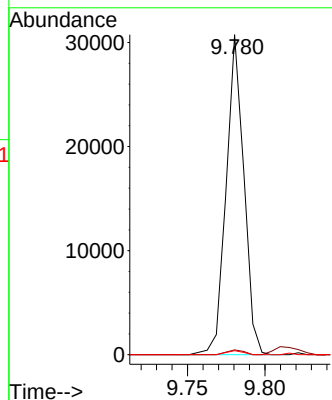
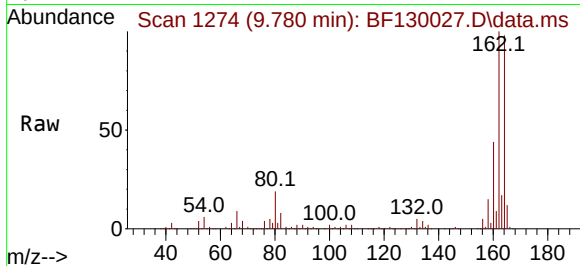




#51
2,6-Dinitrotoluene
Concen: 8.333 ng
RT: 9.780 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

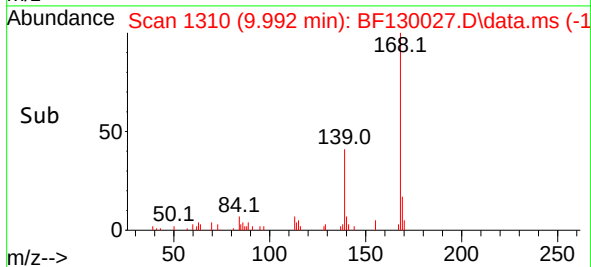
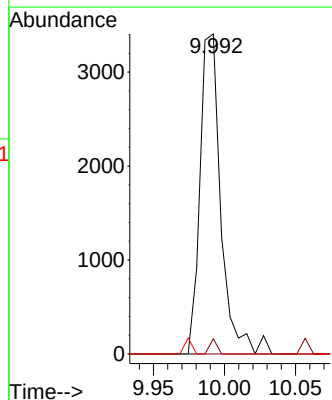
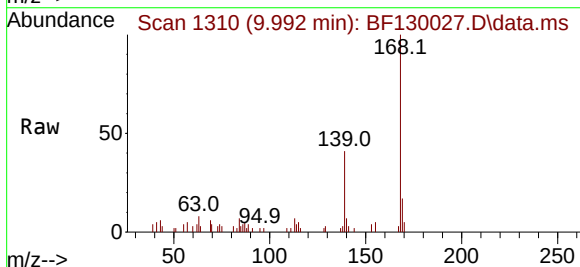
Instrument :
BNA_F
ClientSampleId :
WC-4

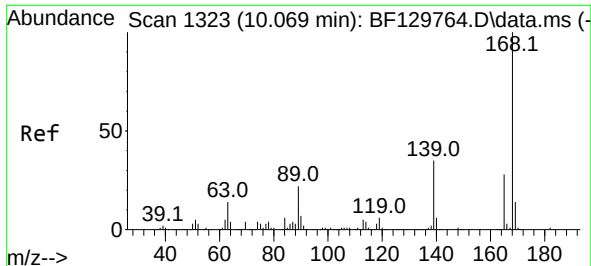
Tgt Ion:165 Resp: 24438
Ion Ratio Lower Upper
165 100
63 1.5 47.8 71.8#
89 1.2 47.2 70.8#



#56
4-Nitrophenol
Concen: 2.416 ng
RT: 9.992 min Scan# 1310
Delta R.T. 0.035 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:139 Resp: 3486
Ion Ratio Lower Upper
139 100
109 4.8 52.9 92.9#
65 0.0 79.5 119.5#

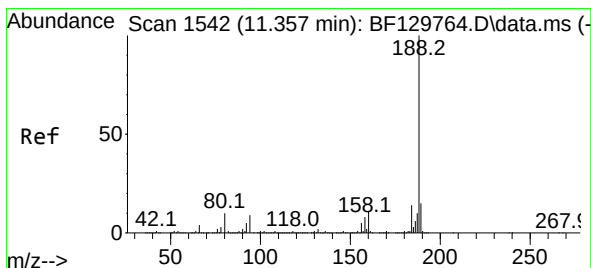
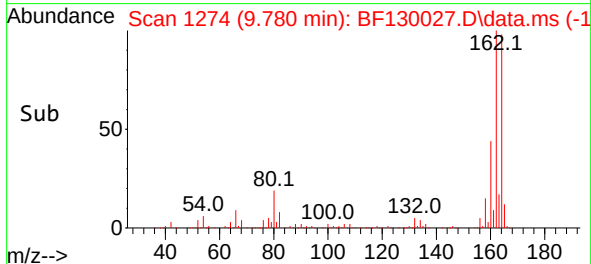
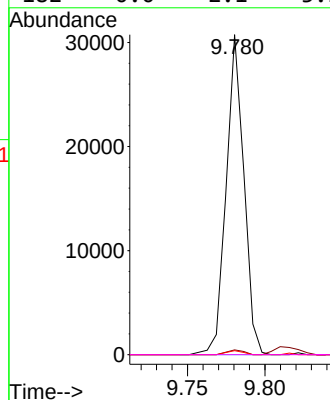
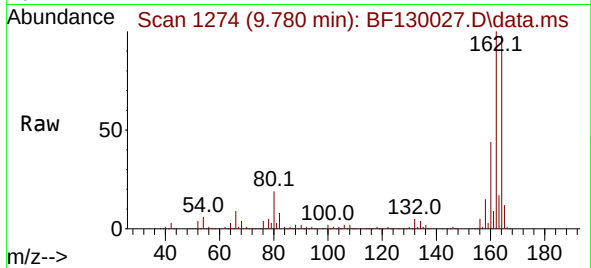




#57
2,4-Dinitrotoluene
Concen: 6.420 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

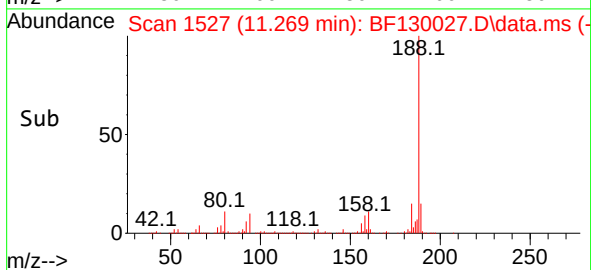
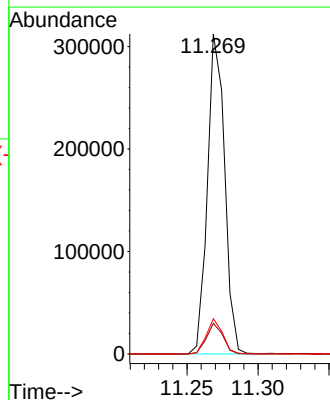
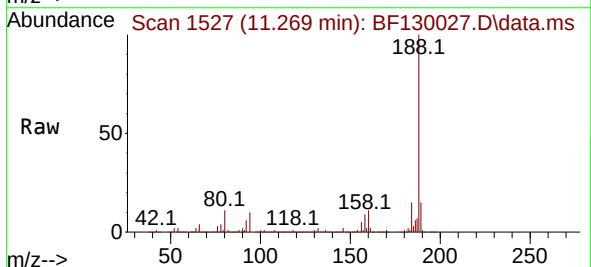
Instrument :
BNA_F
ClientSampleId :
WC-4

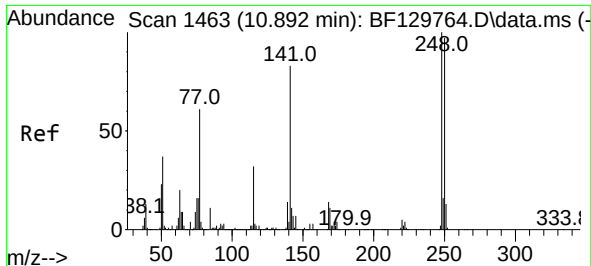
Tgt Ion:165 Resp: 24438
Ion Ratio Lower Upper
165 100
63 1.5 48.4 72.6#
89 1.2 62.3 93.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1527
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:188 Resp: 263979
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 11.0 7.9 11.9

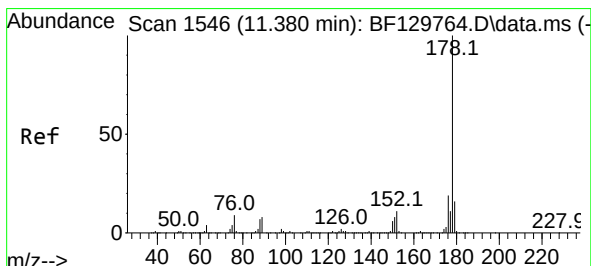
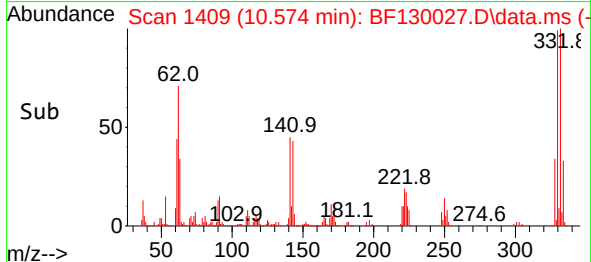
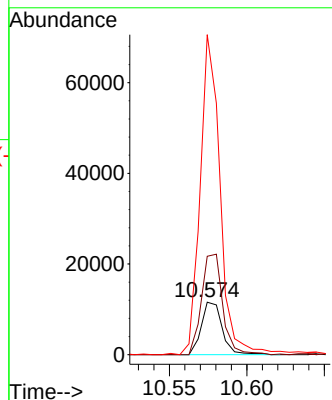
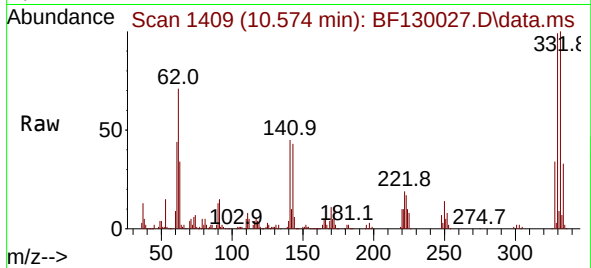




#67
4-Bromophenyl-phenylether
Concen: 3.489 ng
RT: 10.574 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

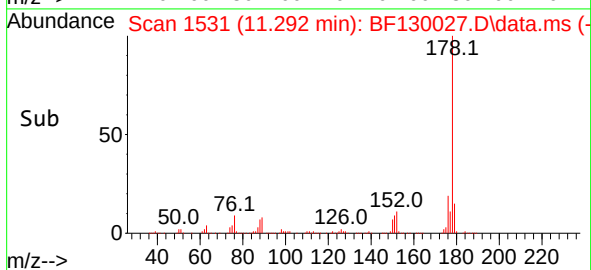
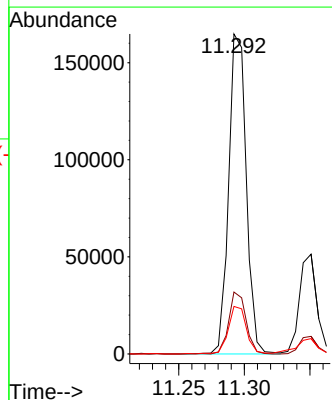
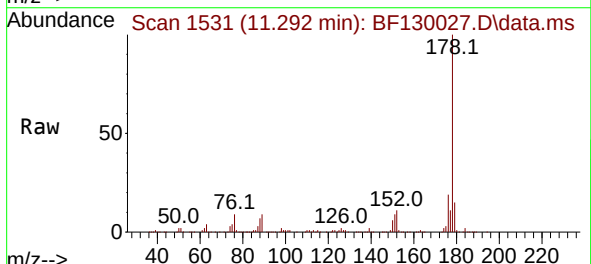
Instrument :
BNA_F
ClientSampleId :
WC-4

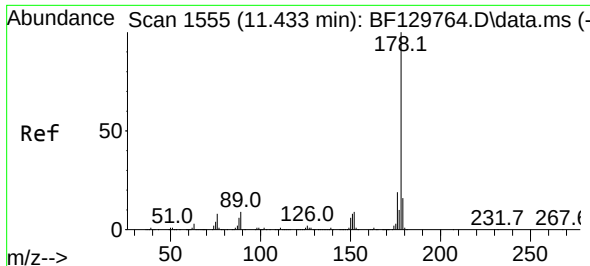
Tgt Ion:248 Resp: 10787
Ion Ratio Lower Upper
248 100
250 187.4 77.8 116.6#
141 609.2 66.2 99.2#



#71
Phenanthrene
Concen: 10.430 ng
RT: 11.292 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:178 Resp: 153765
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 14.8 12.5 18.7

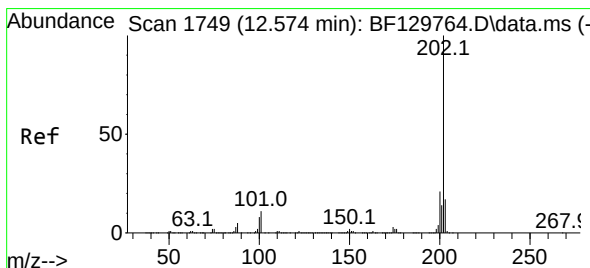
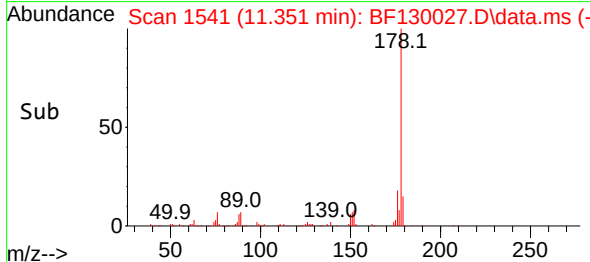
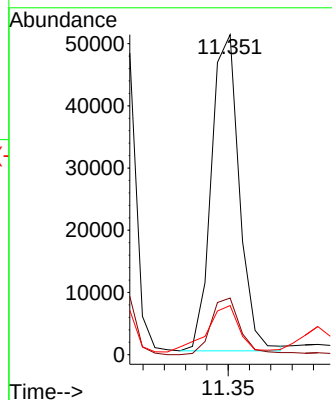
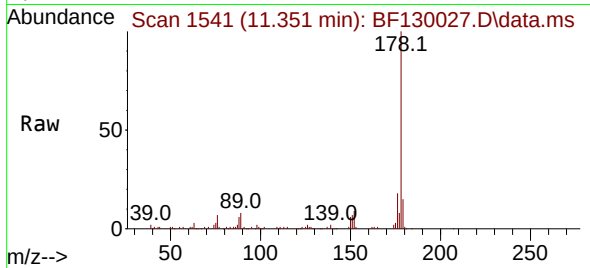




#72
 Anthracene
 Concen: 3.161 ng
 RT: 11.351 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130027.D
 Acq: 26 Aug 2022 19:44

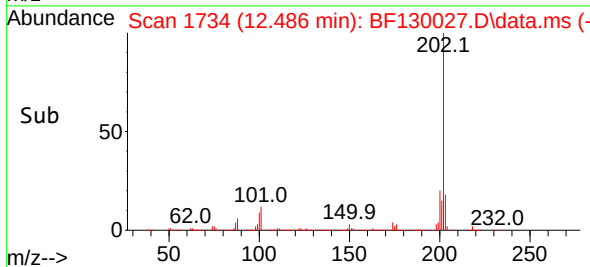
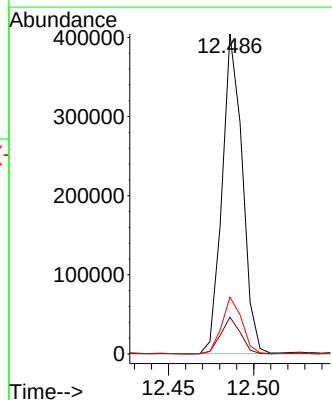
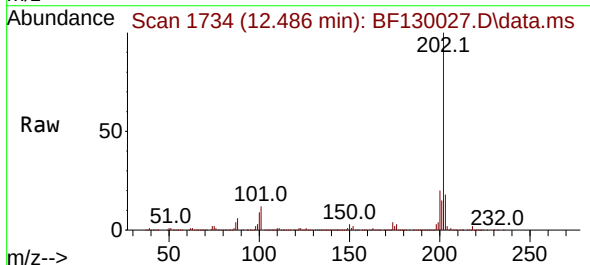
Instrument :
 BNA_F
 ClientSampleId :
 WC-4

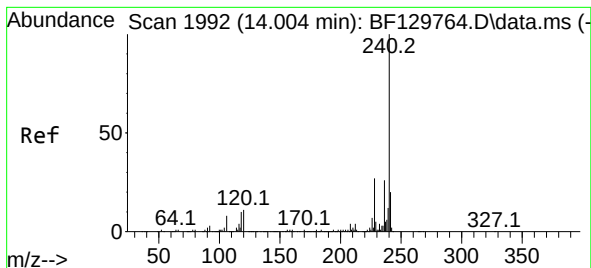
Tgt Ion:178 Resp: 46341
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.1 22.7
 179 15.4 12.6 18.8



#75
 Fluoranthene
 Concen: 22.110 ng
 RT: 12.486 min Scan# 1734
 Delta R.T. -0.012 min
 Lab File: BF130027.D
 Acq: 26 Aug 2022 19:44

Tgt Ion:202 Resp: 333558
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 30.7
 203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 1992

Delta R.T. -0.006 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

Instrument :

BNA_F

ClientSampleId :

WC-4

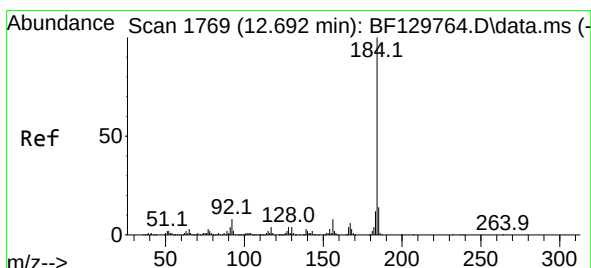
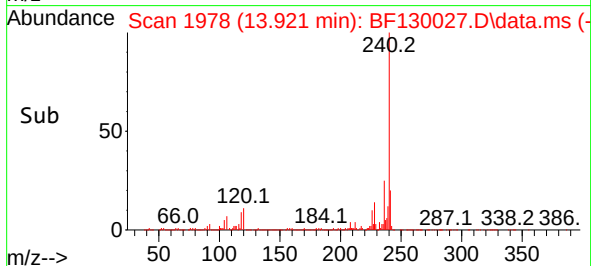
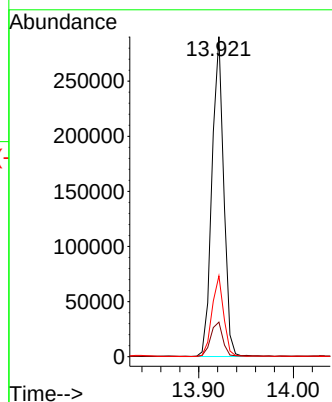
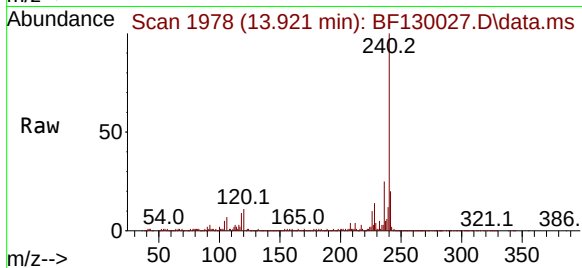
Tgt Ion:240 Resp: 249725

Ion Ratio Lower Upper

240 100

120 10.8 9.2 13.8

236 25.2 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.851 min Scan# 1796

Delta R.T. 0.229 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

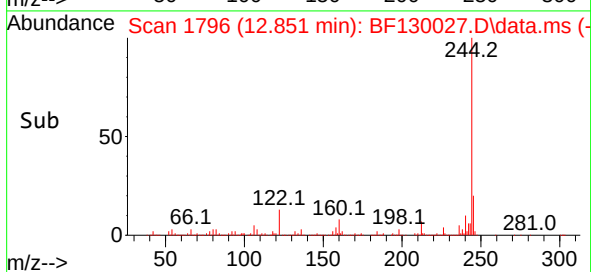
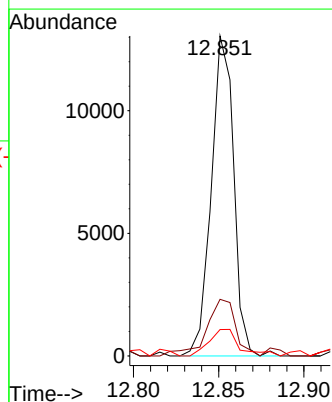
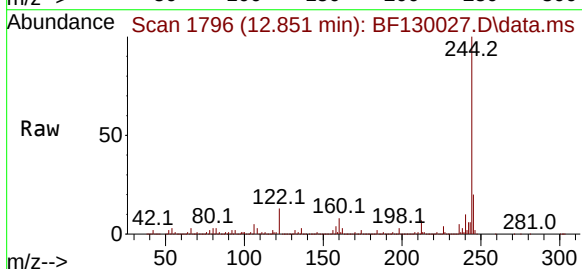
Tgt Ion:184 Resp: 11974

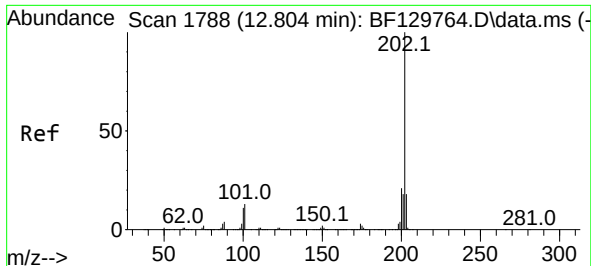
Ion Ratio Lower Upper

184 100

185 17.7 11.4 17.2#

183 8.2 9.4 14.2#

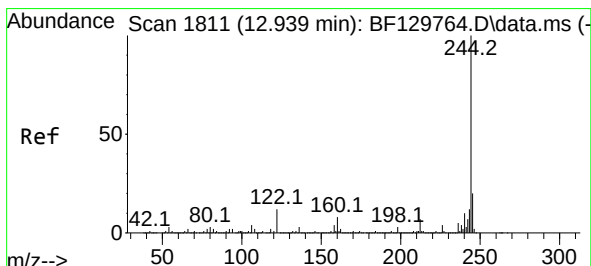
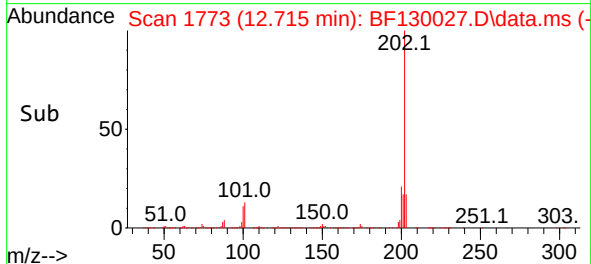
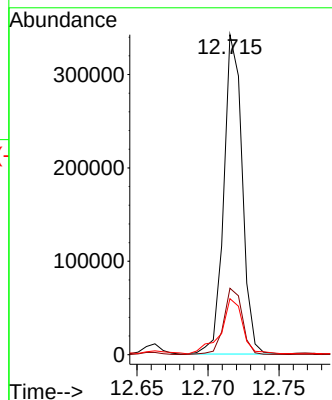
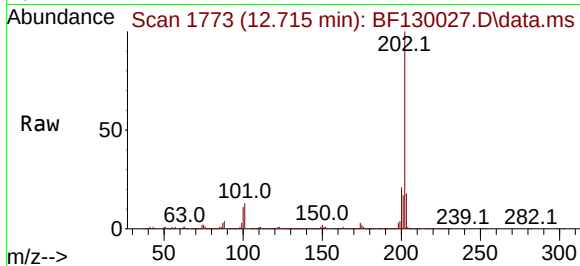




#78
Pyrene
Concen: 14.139 ng
RT: 12.715 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

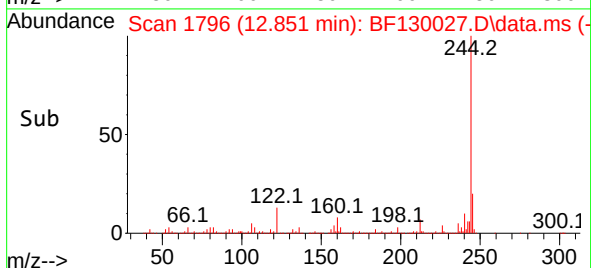
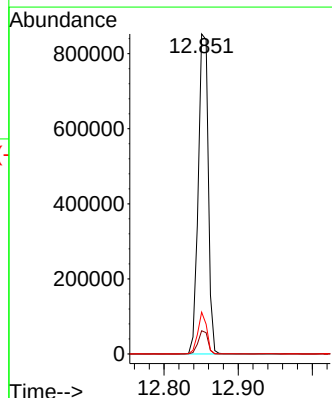
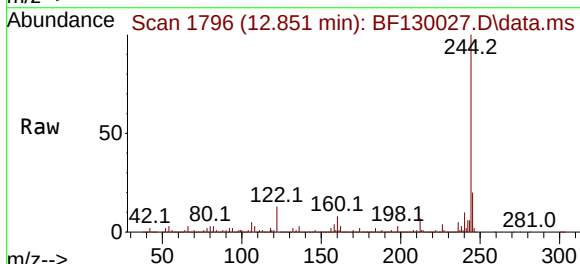
Instrument :
BNA_F
ClientSampleId :
WC-4

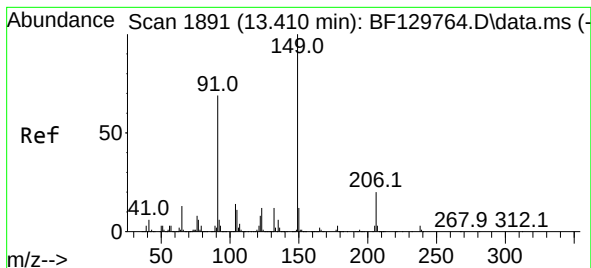
Tgt Ion:202 Resp: 306835
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.6
203 17.5 14.1 21.1



#79
Terphenyl-d14
Concen: 52.987 ng
RT: 12.851 min Scan# 1796
Delta R.T. -0.012 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:244 Resp: 795234
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 13.0 9.9 14.9





#80

Butylbenzylphthalate

Concen: 2.514 ng

RT: 13.321 min Scan# 1891

Delta R.T. -0.012 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

Instrument :

BNA_F

ClientSampleId :

WC-4

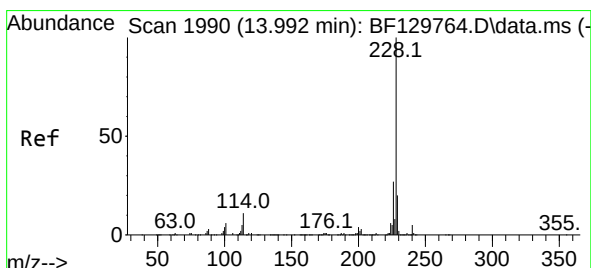
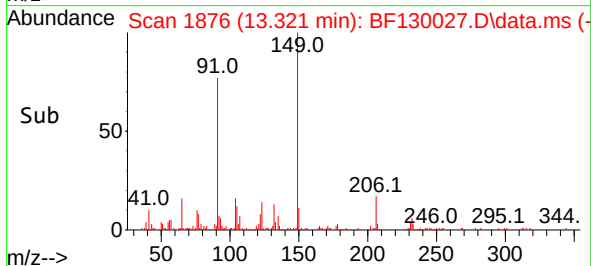
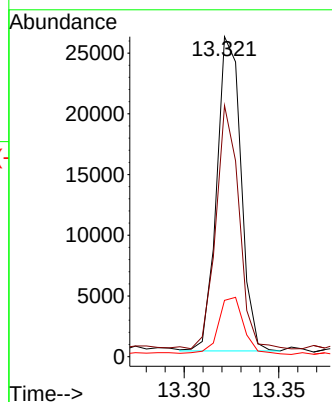
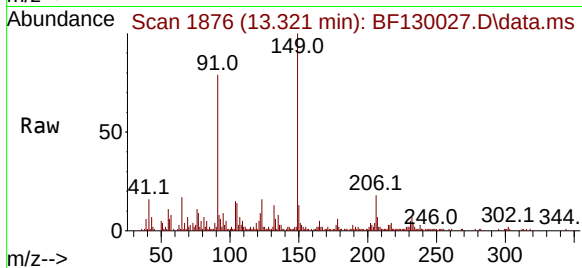
Tgt Ion:149 Resp: 23085

Ion Ratio Lower Upper

149 100

91 78.5 55.4 83.0

206 17.6 15.8 23.6



#81

Benzo(a)anthracene

Concen: 13.831 ng

RT: 13.910 min Scan# 1976

Delta R.T. -0.006 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

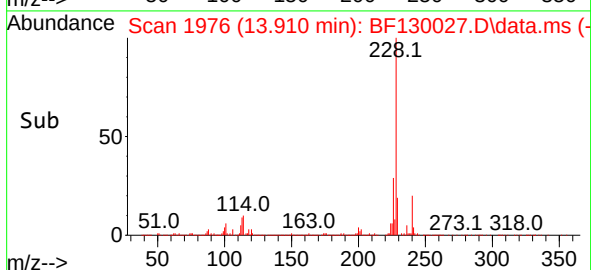
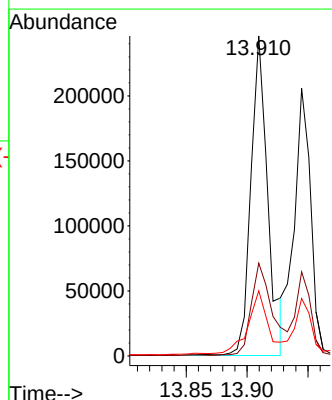
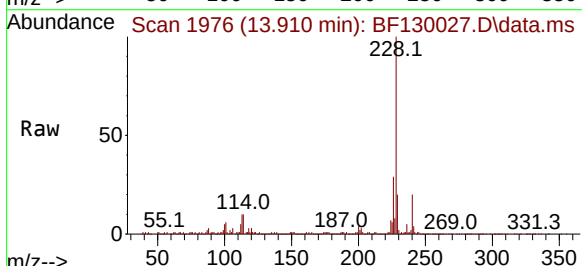
Tgt Ion:228 Resp: 237606

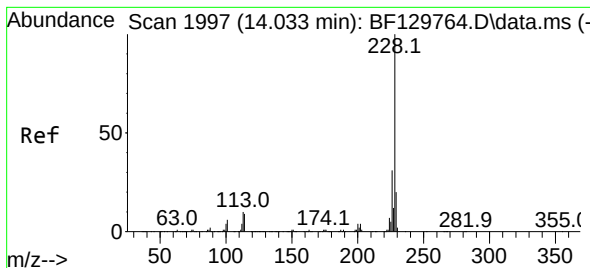
Ion Ratio Lower Upper

228 100

226 29.0 21.4 32.0

229 20.3 16.1 24.1





#83

Chrysene

Concen: 11.963 ng

RT: 13.945 min Scan# 1997

Delta R.T. -0.006 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

Instrument :

BNA_F

ClientSampleId :

WC-4

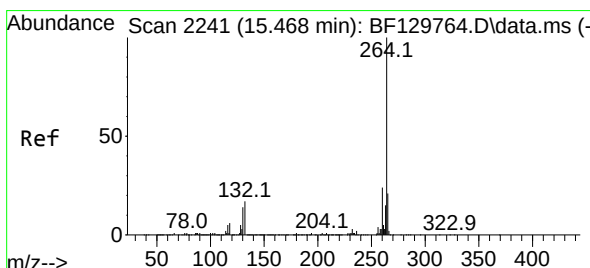
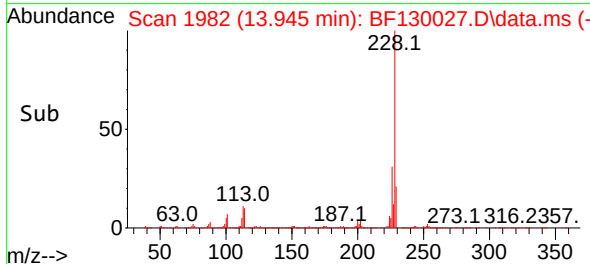
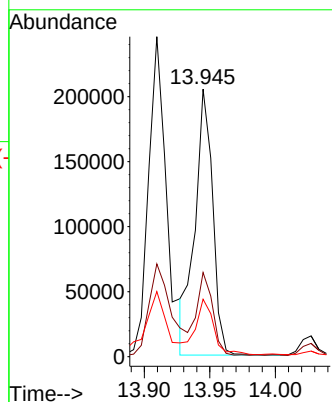
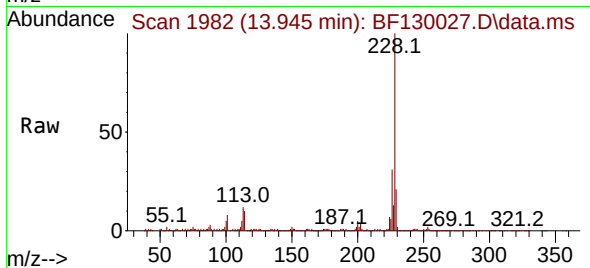
Tgt Ion:228 Resp: 192375

Ion Ratio Lower Upper

228 100

226 31.5 24.4 36.6

229 21.5 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.368 min Scan# 2224

Delta R.T. -0.000 min

Lab File: BF130027.D

Acq: 26 Aug 2022 19:44

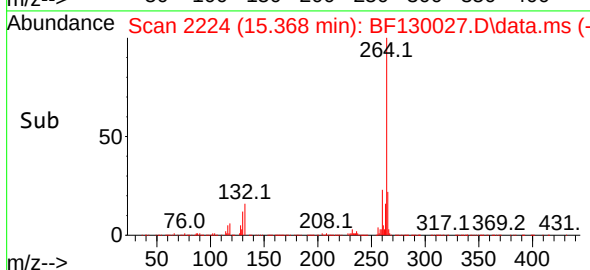
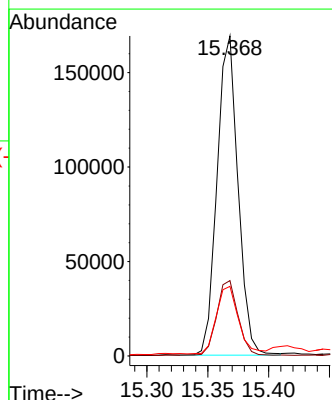
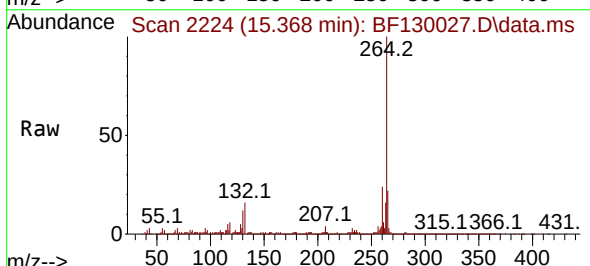
Tgt Ion:264 Resp: 202691

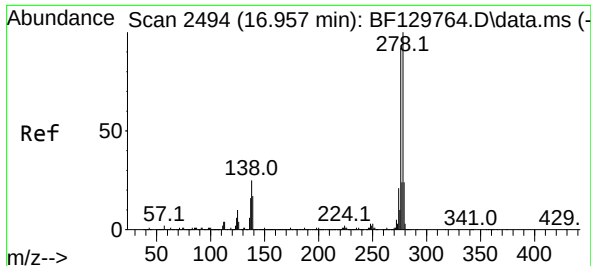
Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.8 16.7 25.1

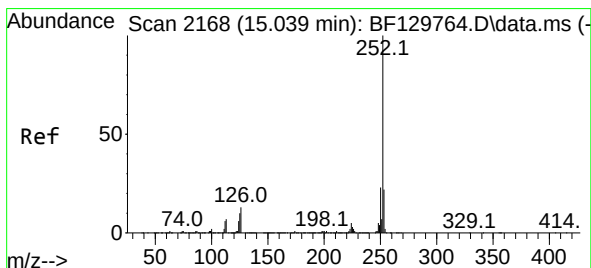
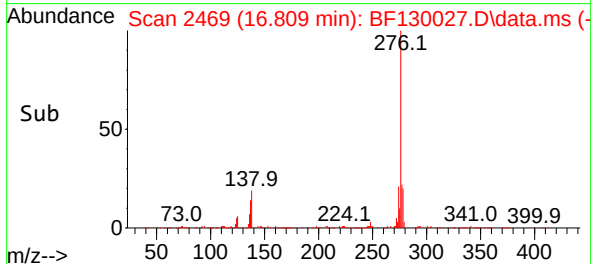
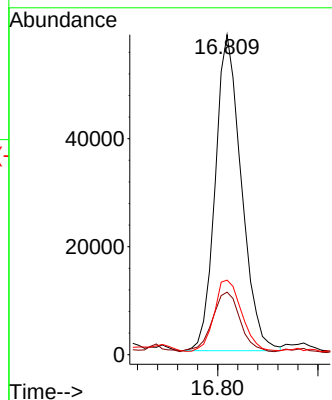
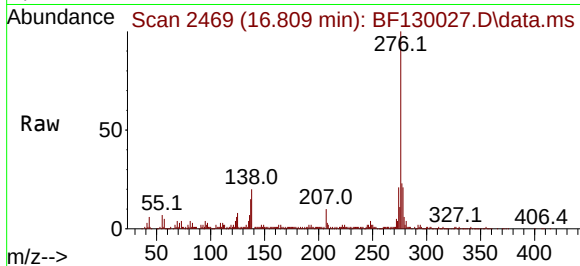




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.599 ng
RT: 16.809 min Scan# 2494
Delta R.T. -0.006 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

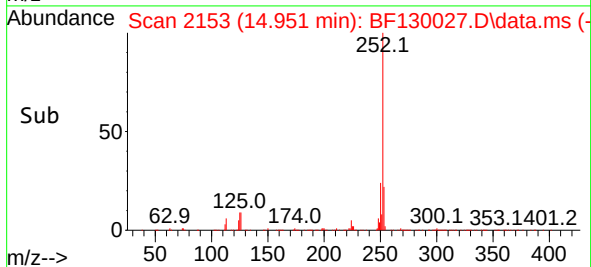
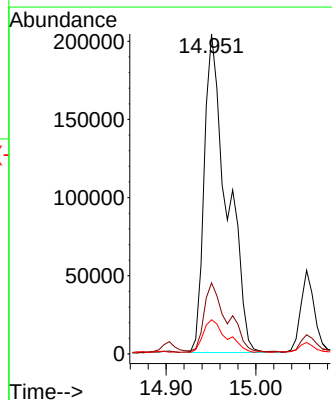
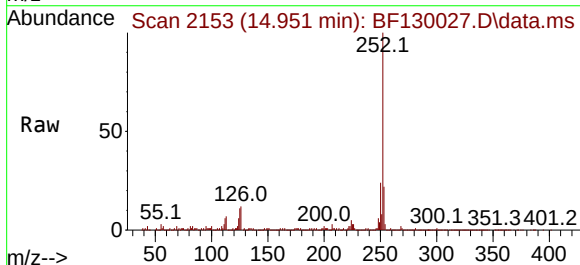
Instrument :
BNA_F
ClientSampleId :
WC-4

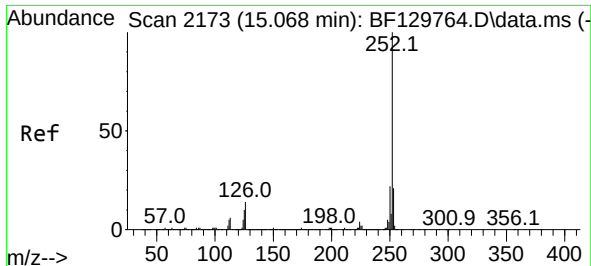
Tgt Ion:276 Resp: 105741
Ion Ratio Lower Upper
276 100
138 20.0 19.8 29.8
277 23.7 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 25.845 ng
RT: 14.951 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:252 Resp: 358708
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.7 8.3 12.5

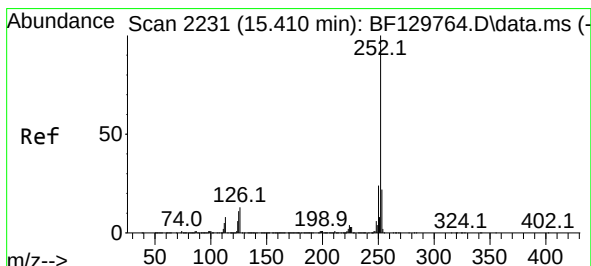
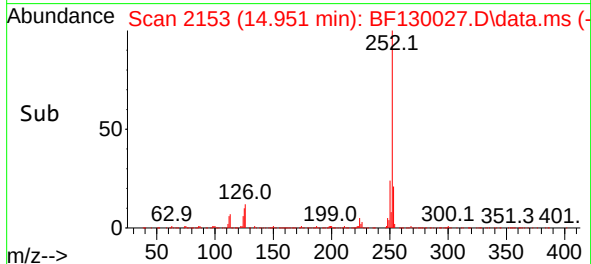
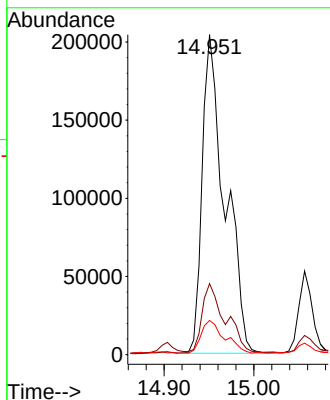
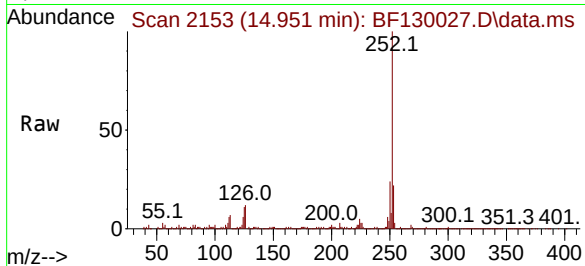




#89
Benzo(k)fluoranthene
Concen: 26.949 ng
RT: 14.951 min Scan# 2114
Delta R.T. -0.030 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

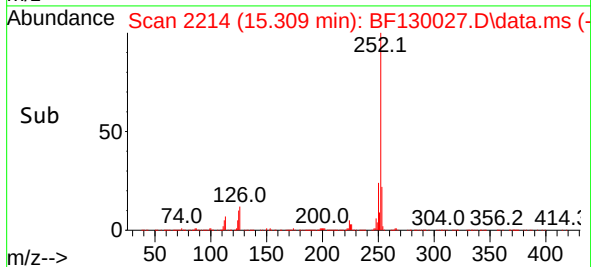
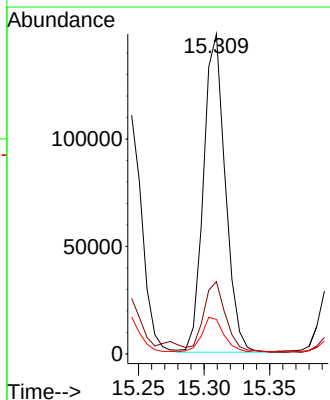
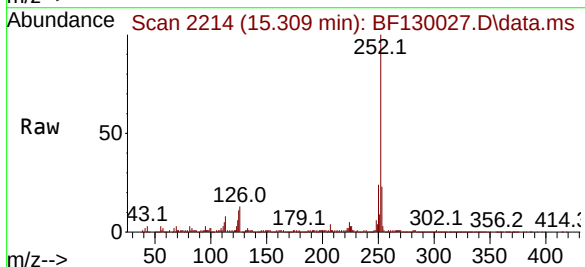
Instrument :
BNA_F
ClientSampleId :
WC-4

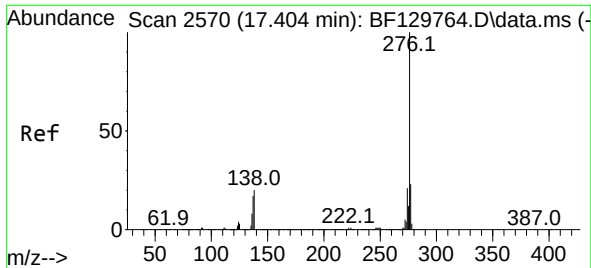
Tgt Ion:252 Resp: 358708
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 10.7 8.3 12.5



#90
Benzo(a)pyrene
Concen: 15.694 ng
RT: 15.309 min Scan# 2214
Delta R.T. -0.000 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Tgt Ion:252 Resp: 171536
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 10.8 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 8.574 ng
RT: 17.245 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF130027.D
Acq: 26 Aug 2022 19:44

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:276 Resp: 98213
Ion Ratio Lower Upper
276 100
277 22.9 18.2 27.4
138 23.4 15.8 23.8

