

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082922\
 Data File : BF130046.D
 Acq On : 29 Aug 2022 21:40
 Operator : CG\JU
 Sample : N4375-04DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2DL

Quant Time: Aug 30 01:32:54 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 30 01:22:56 2022
 Response via : Initial Calibration

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

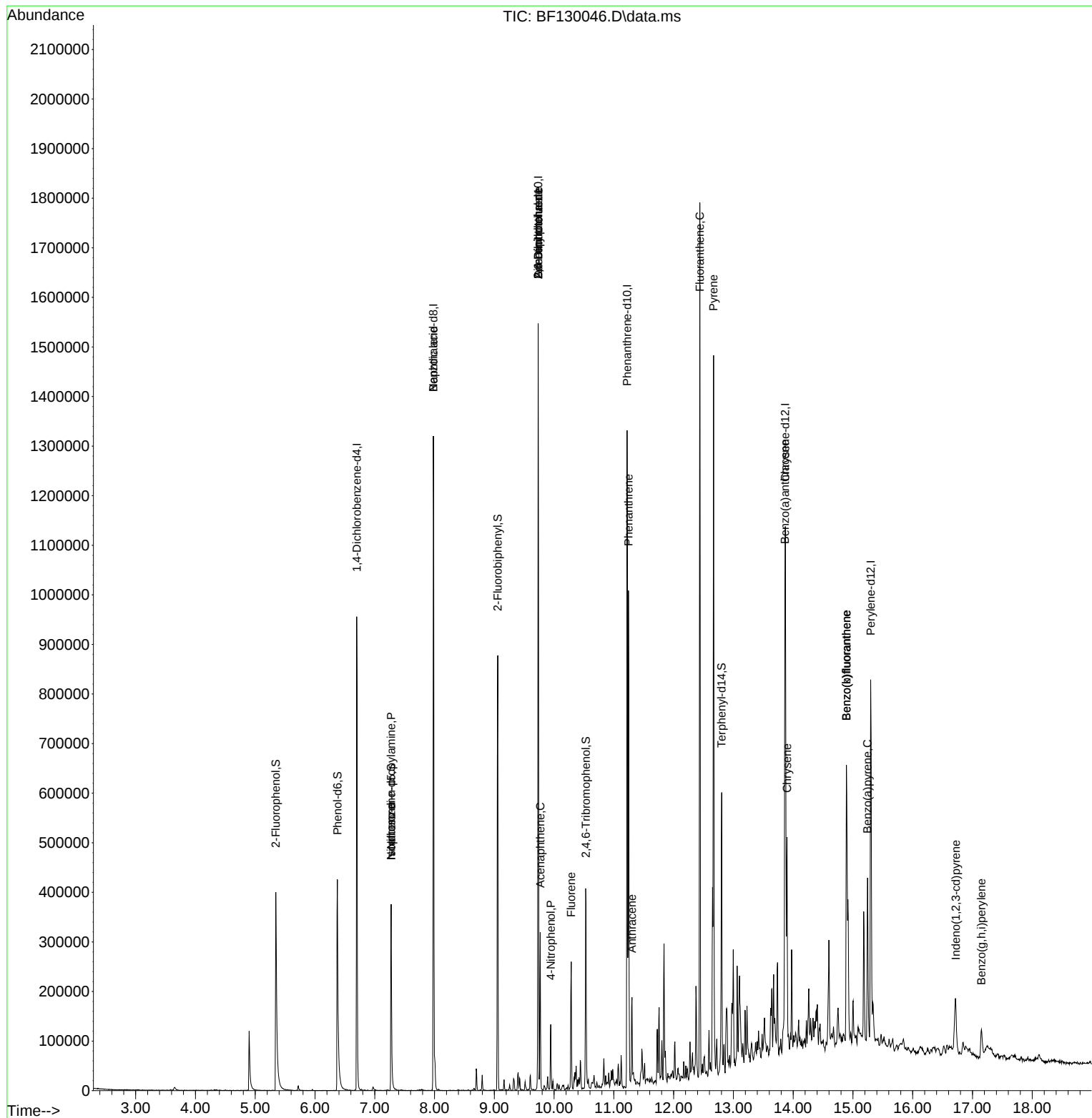
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.698	152	138886	20.000	ng	0.00
21) Naphthalene-d8	7.981	136	561123	20.000	ng	0.00
39) Acenaphthene-d10	9.733	164	287823	20.000	ng	0.00
64) Phenanthrene-d10	11.222	188	426841	20.000	ng	0.00
76) Chrysene-d12	13.868	240	262618	20.000	ng	0.00
86) Perylene-d12	15.298	264	314283	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	158256	18.866	ng	0.01
7) Phenol-d6	6.375	99	199345	18.977	ng	0.00
23) Nitrobenzene-d5	7.275	82	127053	12.121	ng	0.00
42) 2,4,6-Tribromophenol	10.533	330	41431	14.342	ng	0.00
45) 2-Fluorobiphenyl	9.057	172	236742	12.493	ng	0.00
79) Terphenyl-d14	12.804	244	165889	10.511	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	408	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.275	70	16564	2.495	ng	# 75
25) Isophorone	7.275	82	127053	7.042	ng	# 65
32) Benzoic acid	7.981	122	124	2.197	ng	# 1
50) Dimethylphthalate	9.733	163	48881	2.369	ng	# 1
51) 2,6-Dinitrotoluene	9.733	165	38622	8.629	ng	# 23
52) Acenaphthene	9.769	154	60403	3.795	ng	96
56) 4-Nitrophenol	9.945	139	18405	8.358	ng	# 7
57) 2,4-Dinitrotoluene	9.733	165	38622	6.647	ng	# 18
58) Fluorene	10.286	166	61966	3.104	ng	100
71) Phenanthrene	11.245	178	344404	14.447	ng	99
72) Anthracene	11.304	178	70935	2.992	ng	99
75) Fluoranthene	12.439	202	613300	25.141	ng	100
77) Benzidine	12.804	184	2580	Below Cal	#	93
78) Pyrene	12.669	202	543232	23.804	ng	99
81) Benzo(a)anthracene	13.863	228	253066	14.008	ng	99
83) Chrysene	13.898	228	129551	7.661	ng	98
87) Indeno(1,2,3-cd)pyrene	16.721	276	61346	2.843	ng	94
88) Benzo(b)fluoranthene	14.892	252	378436	17.585	ng	99
89) Benzo(k)fluoranthene	14.892	252	378436	18.336	ng	99
90) Benzo(a)pyrene	15.245	252	148405	8.757	ng	99
92) Benzo(g,h,i)perylene	17.151	276	46119	2.597	ng	95

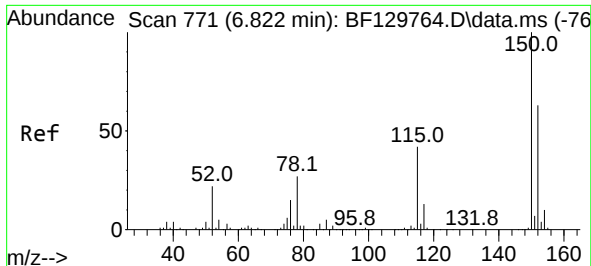
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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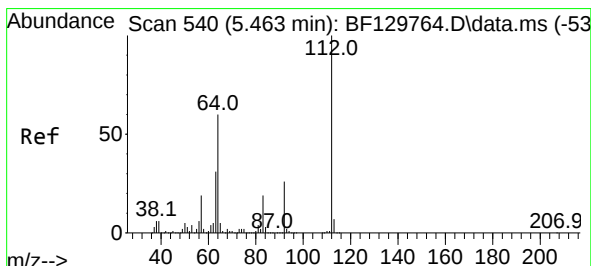
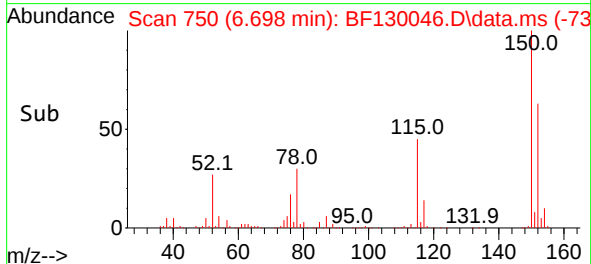
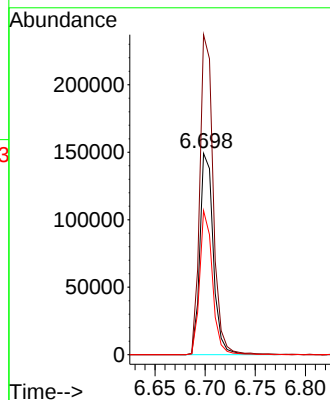
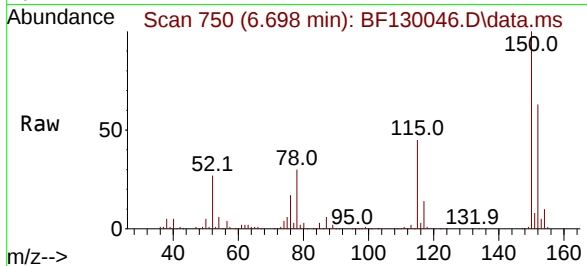




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.698 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

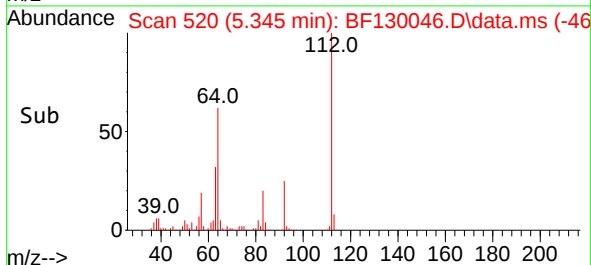
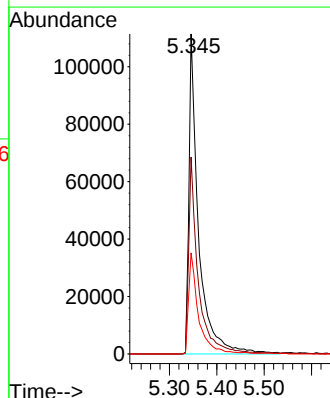
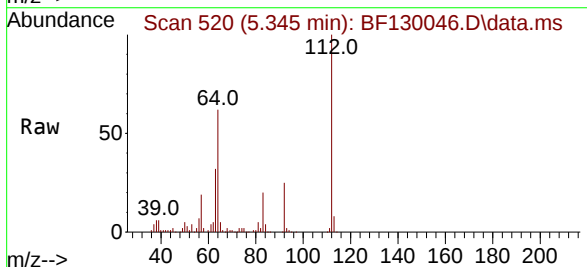
Instrument :
BNA_F
ClientSampleId :
WC-2DL

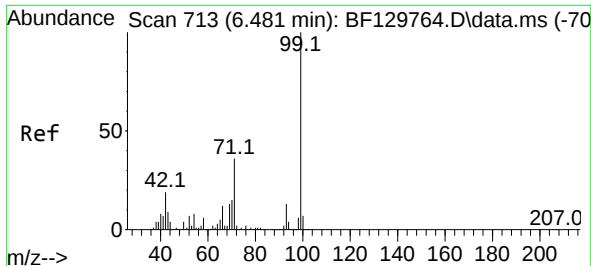
Tgt Ion:152 Resp: 138886
Ion Ratio Lower Upper
152 100
150 158.9 126.9 190.3
115 71.6 53.4 80.0



#5
2-Fluorophenol
Concen: 18.866 ng
RT: 5.345 min Scan# 520
Delta R.T. 0.012 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion:112 Resp: 158256
Ion Ratio Lower Upper
112 100
64 61.6 47.6 71.4
63 31.6 24.6 37.0

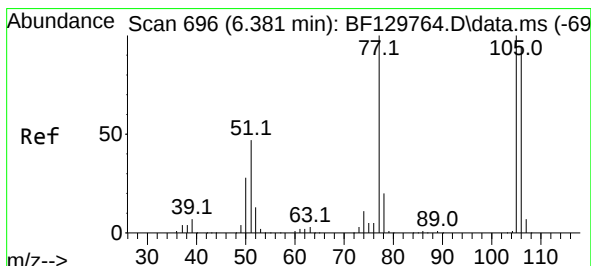
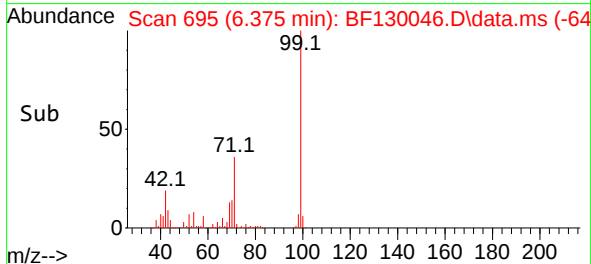
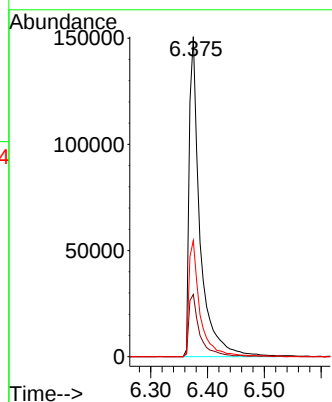
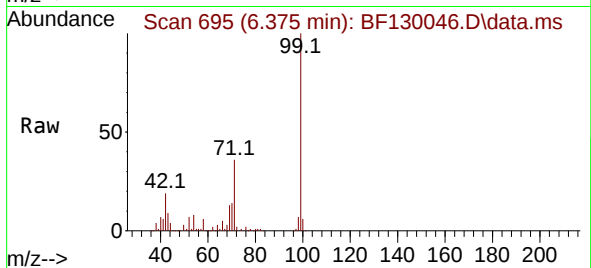




#7
Phenol-d6
Concen: 18.977 ng
RT: 6.375 min Scan# 64
Delta R.T. 0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

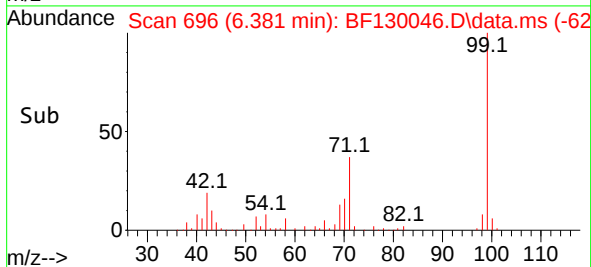
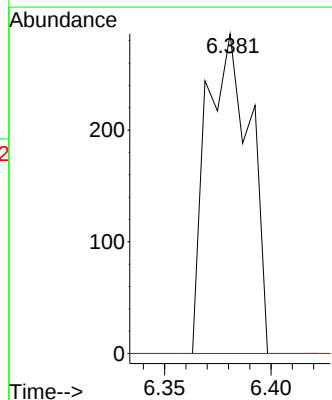
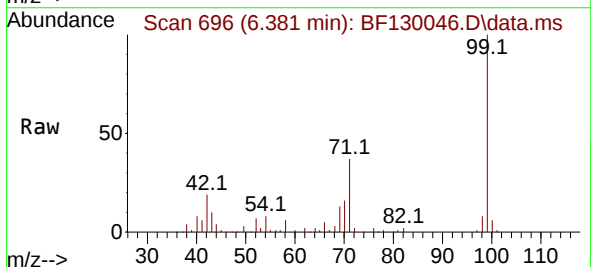
Instrument :
BNA_F
ClientSampleId :
WC-2DL

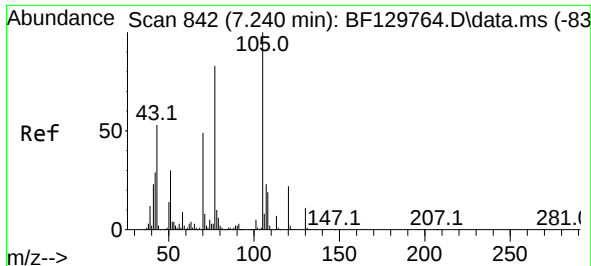
Tgt Ion: 99 Resp: 199345
Ion Ratio Lower Upper
99 100
42 19.5 15.0 22.4
71 36.3 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 696
Delta R.T. 0.118 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion: 77 Resp: 408
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

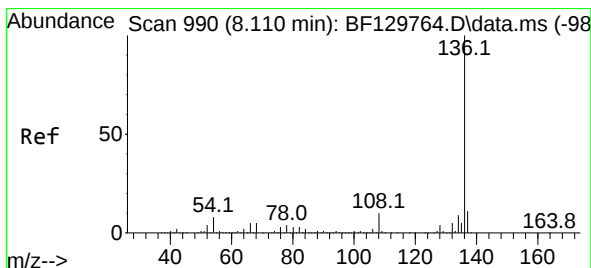
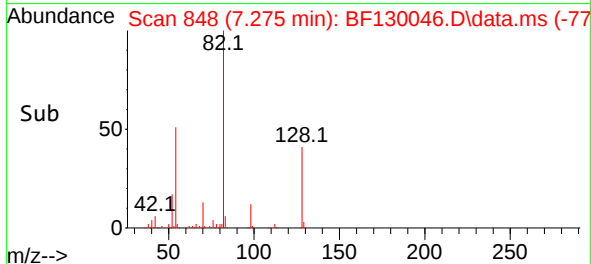
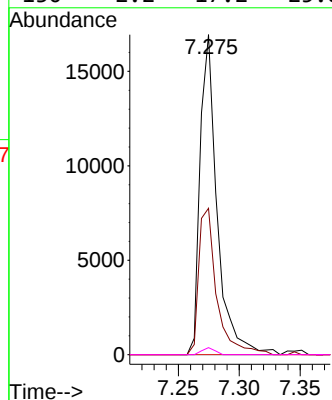
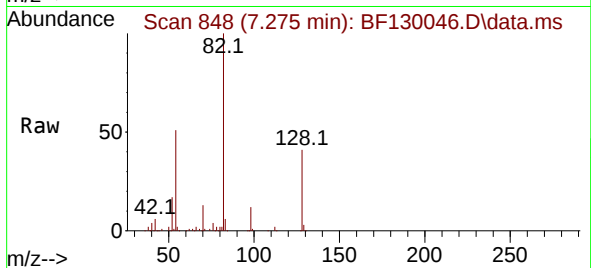




#19
n-Nitroso-di-n-propylamine
Concen: 2.495 ng
RT: 7.275 min Scan# 842
Delta R.T. 0.147 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

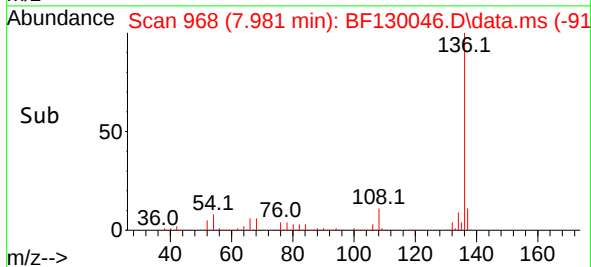
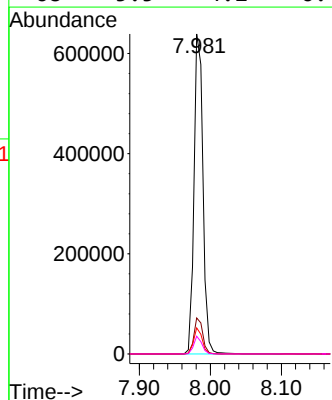
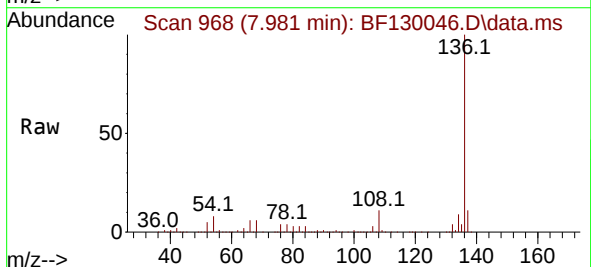
Instrument :
BNA_F
ClientSampleId :
WC-2DL

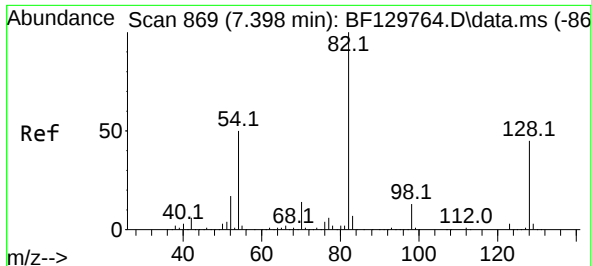
Tgt Ion: 70 Resp: 16564
Ion Ratio Lower Upper
70 100
42 45.7 47.6 71.4#
101 0.0 8.1 12.1#
130 2.2 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.981 min Scan# 968
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion: 136 Resp: 561123
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.1 6.2 9.2
68 5.5 4.2 6.4





#23

Nitrobenzene-d5

Concen: 12.121 ng

RT: 7.275 min Scan# 848

Delta R.T. -0.006 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

WC-2DL

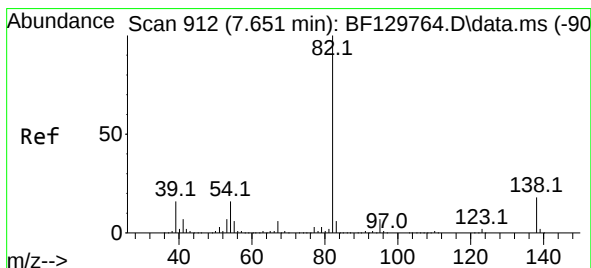
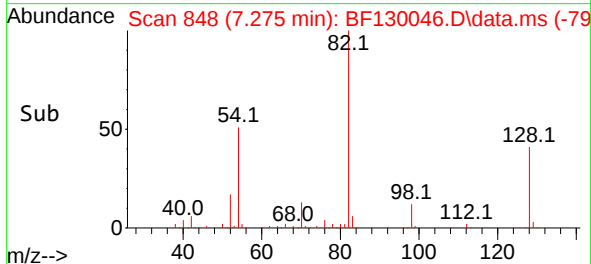
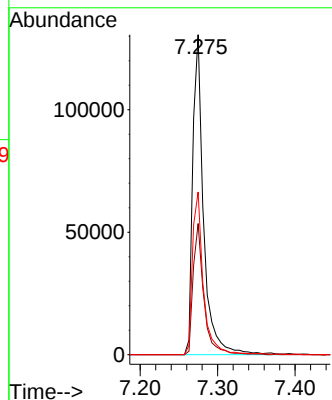
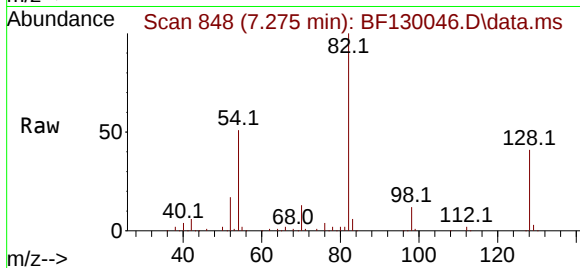
Tgt Ion: 82 Resp: 127053

Ion Ratio Lower Upper

82 100

128 41.0 36.1 54.1

54 50.9 40.0 60.0



#25

Isophorone

Concen: 7.042 ng

RT: 7.275 min Scan# 848

Delta R.T. -0.259 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

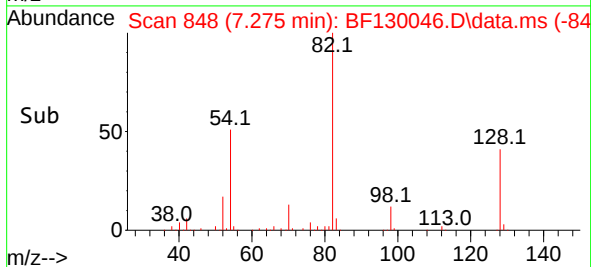
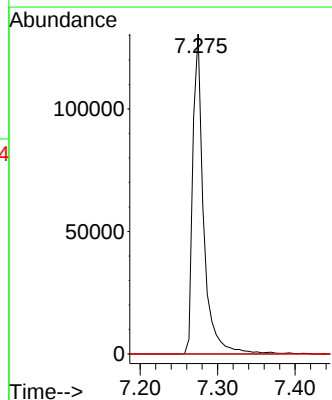
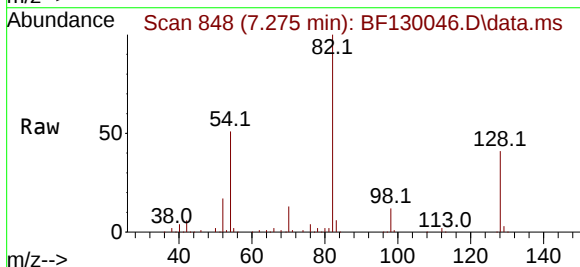
Tgt Ion: 82 Resp: 127053

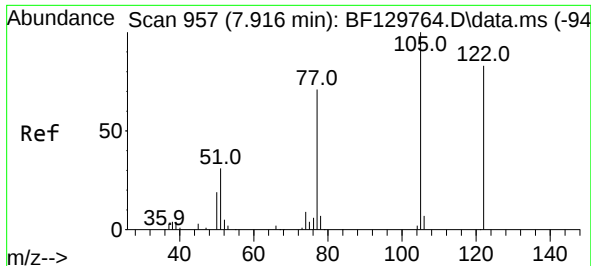
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

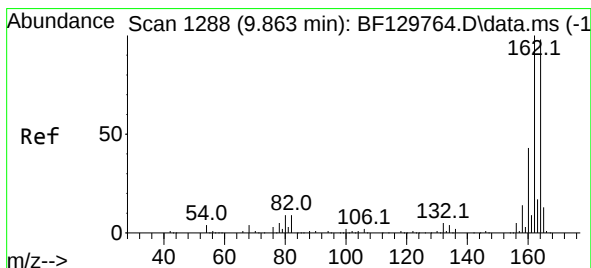
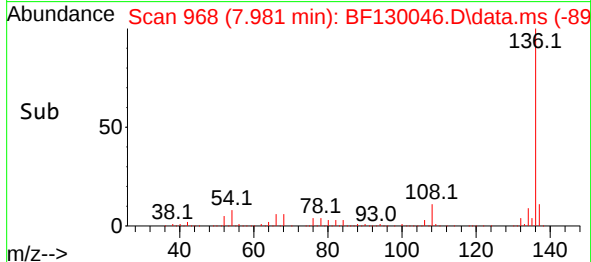
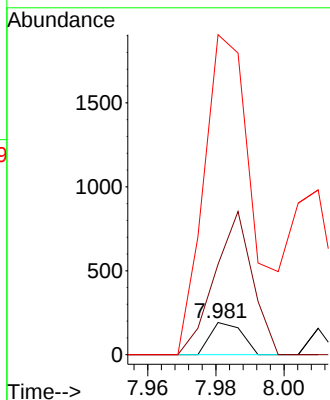
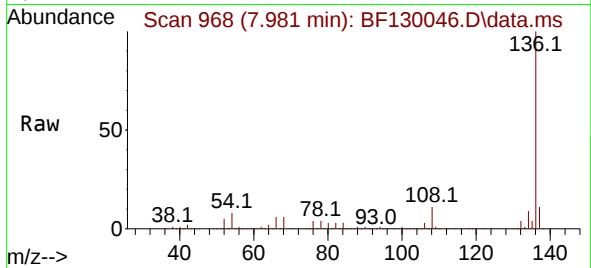




#32
Benzoic acid
Concen: 2.197 ng
RT: 7.981 min Scan# 90
Delta R.T. 0.159 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

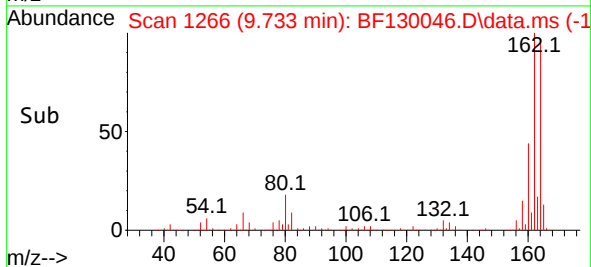
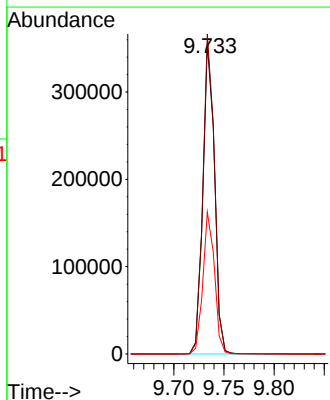
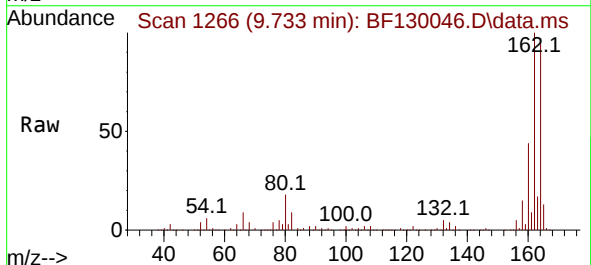
Instrument :
BNA_F
ClientSampleId :
WC-2DL

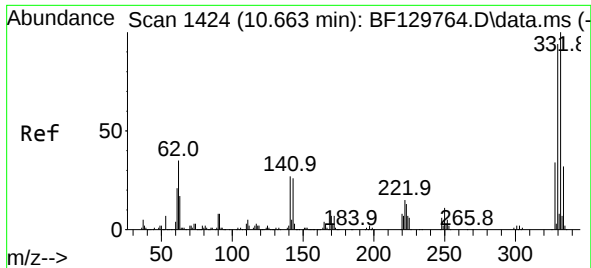
Tgt Ion:122	Resp:	124
Ion	Ratio	Lower Upper
122	100	
105	280.7	99.9 139.9#
77	992.7	65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.733 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion:164	Resp:	287823
Ion	Ratio	Lower Upper
164	100	
162	103.2	82.0 123.0
160	45.8	35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 14.342 ng

RT: 10.533 min Scan# 1424

Delta R.T. 0.000 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

WC-2DL

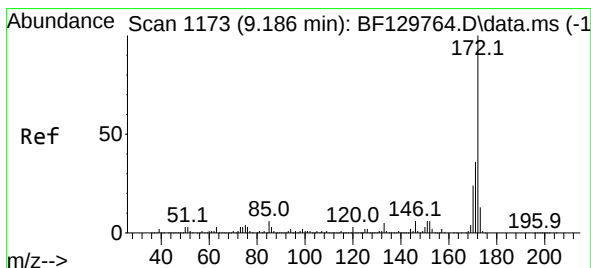
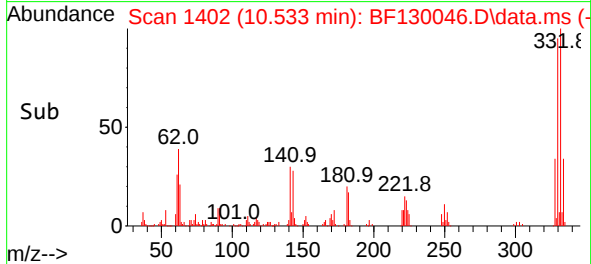
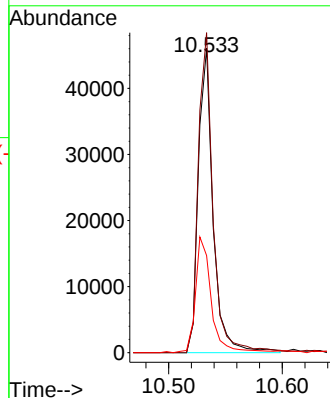
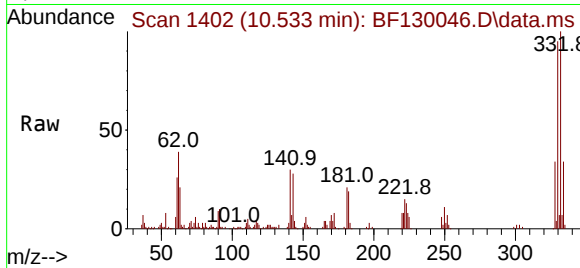
Tgt Ion:330 Resp: 41431

Ion Ratio Lower Upper

330 100

332 105.1 82.6 124.0

141 40.9 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 12.493 ng

RT: 9.057 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

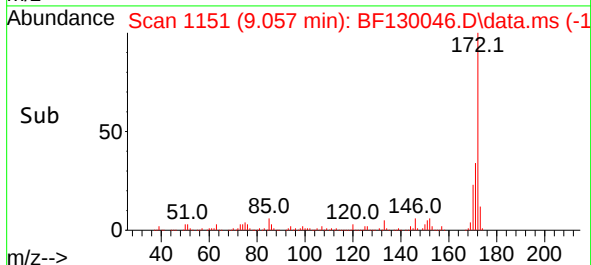
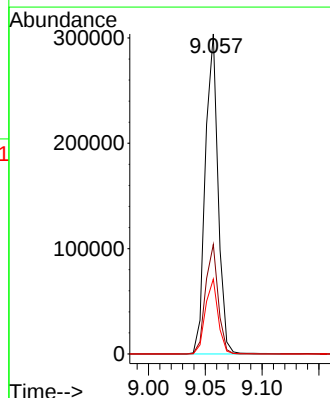
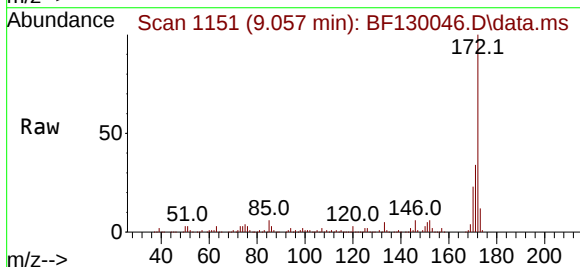
Tgt Ion:172 Resp: 236742

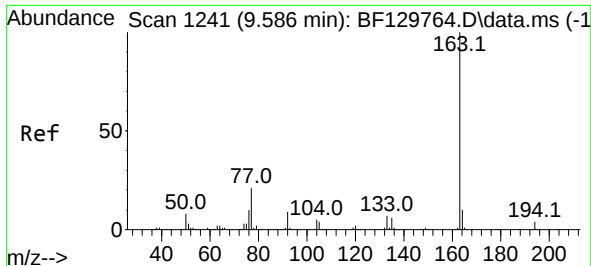
Ion Ratio Lower Upper

172 100

171 34.2 28.4 42.6

170 23.4 19.1 28.7

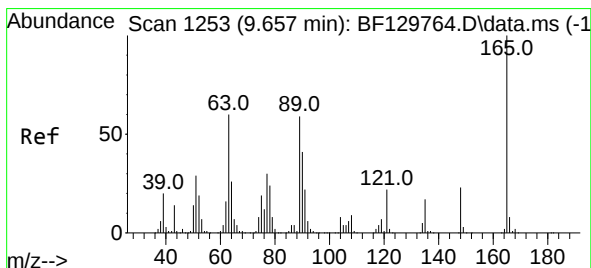
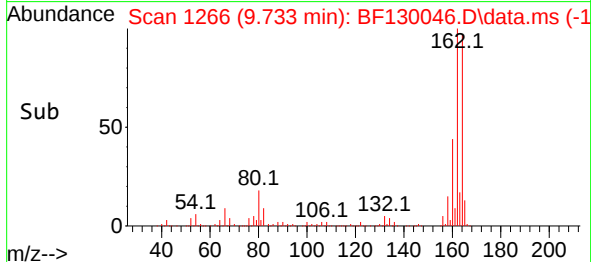
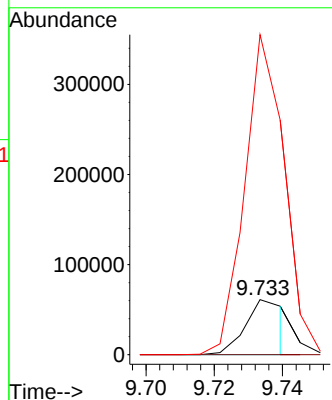
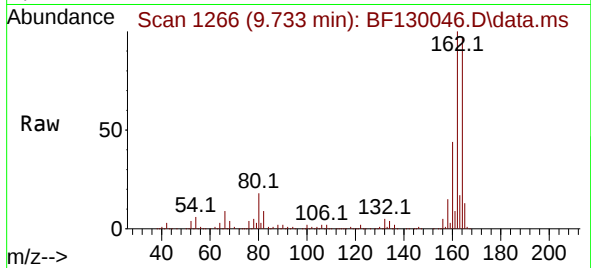




#50
Dimethylphthalate
Concen: 2.369 ng
RT: 9.733 min Scan# 1266
Delta R.T. 0.265 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

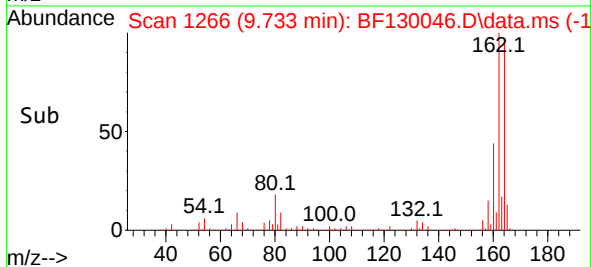
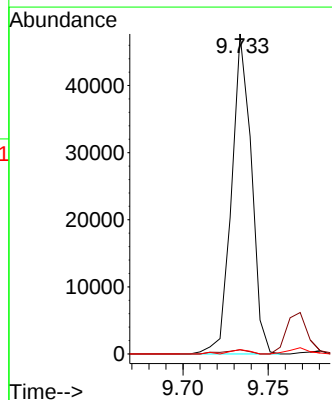
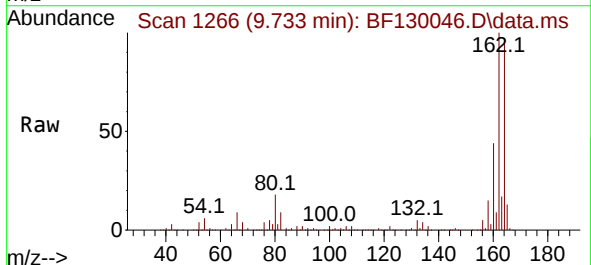
Instrument :
BNA_F
ClientSampleId :
WC-2DL

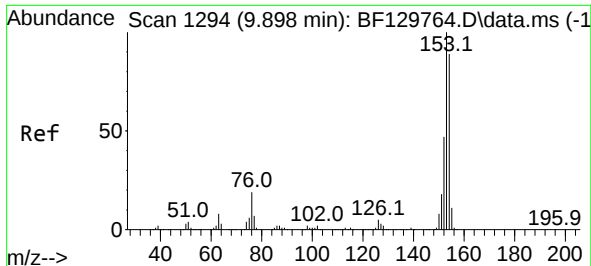
Tgt Ion:163 Resp: 48881
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 581.4 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.629 ng
RT: 9.733 min Scan# 1266
Delta R.T. 0.188 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion:165 Resp: 38622
Ion Ratio Lower Upper
165 100
63 1.3 47.8 71.8#
89 1.4 47.2 70.8#

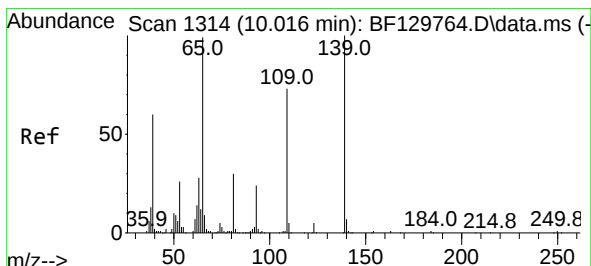
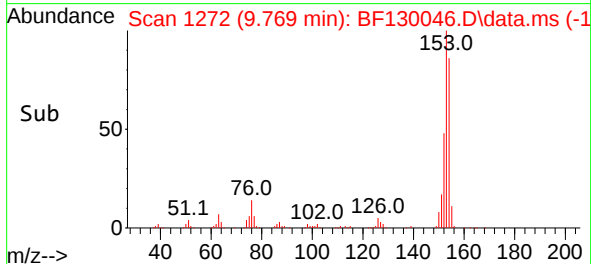
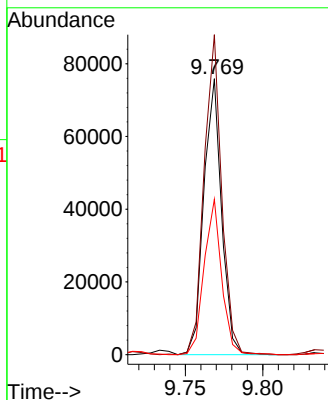
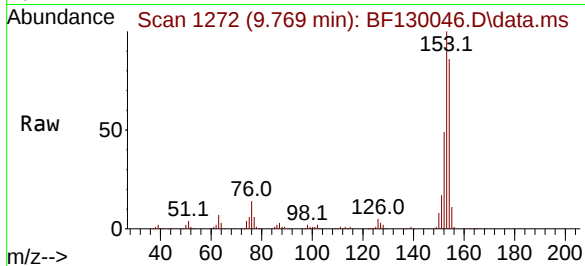




#52
Acenaphthene
Concen: 3.795 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

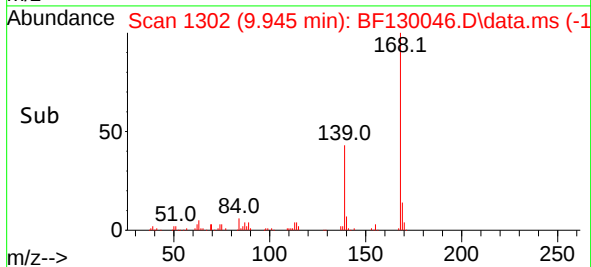
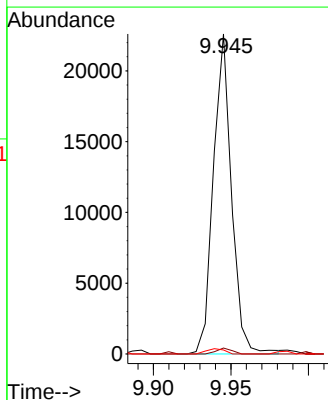
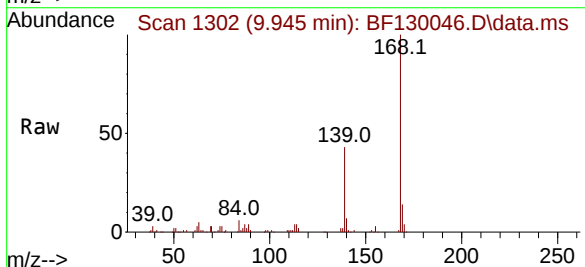
Instrument :
BNA_F
ClientSampleId :
WC-2DL

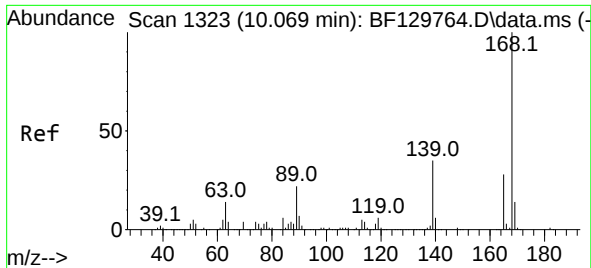
Tgt Ion:154 Resp: 60403
Ion Ratio Lower Upper
154 100
153 115.9 89.8 134.6
152 56.3 42.1 63.1



#56
4-Nitrophenol
Concen: 8.358 ng
RT: 9.945 min Scan# 1302
Delta R.T. 0.030 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion:139 Resp: 18405
Ion Ratio Lower Upper
139 100
109 1.8 52.9 92.9#
65 1.3 79.5 119.5#

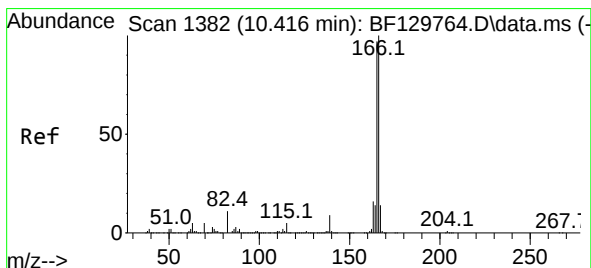
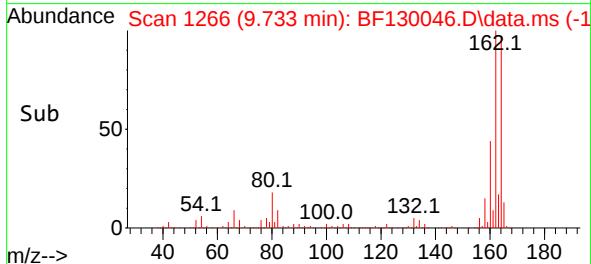
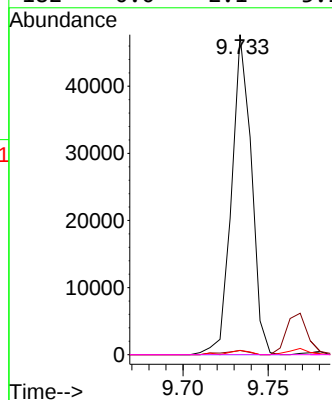
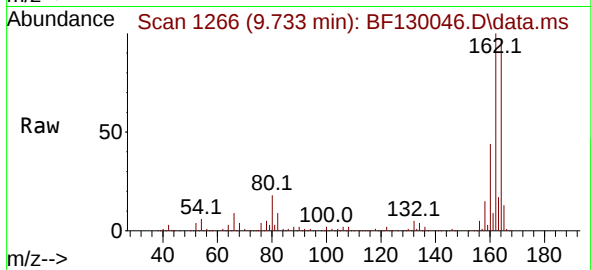




#57
2,4-Dinitrotoluene
Concen: 6.647 ng
RT: 9.733 min Scan# 1360
Delta R.T. -0.217 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

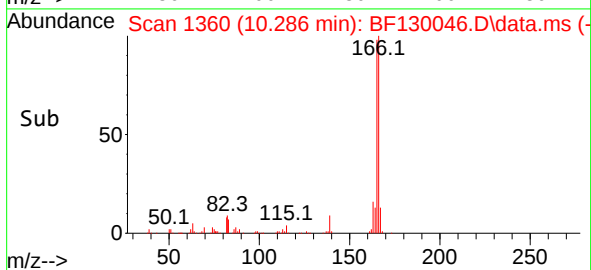
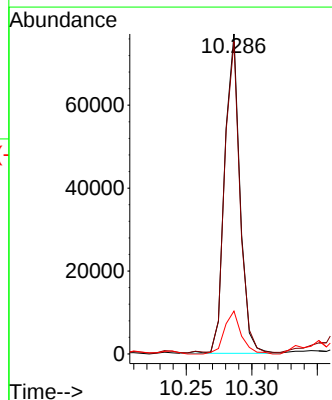
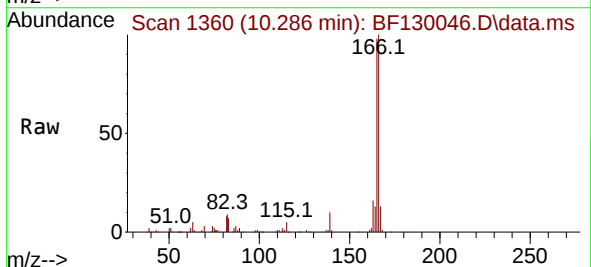
Instrument :
BNA_F
ClientSampleId :
WC-2DL

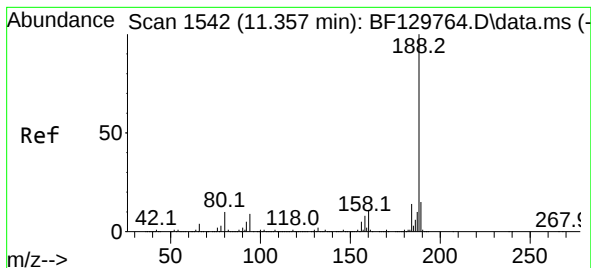
Tgt Ion:165 Resp: 38622
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 1.4 62.3 93.5#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 3.104 ng
RT: 10.286 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion:166 Resp: 61966
Ion Ratio Lower Upper
166 100
165 97.7 77.9 116.9
167 13.4 11.0 16.4

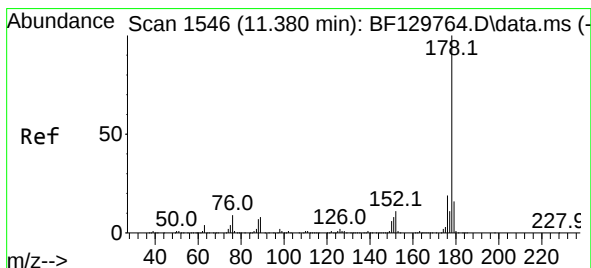
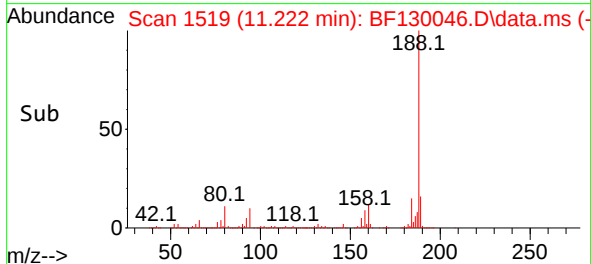
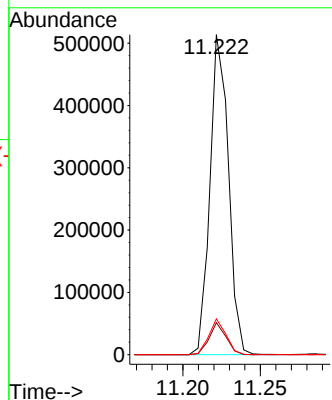
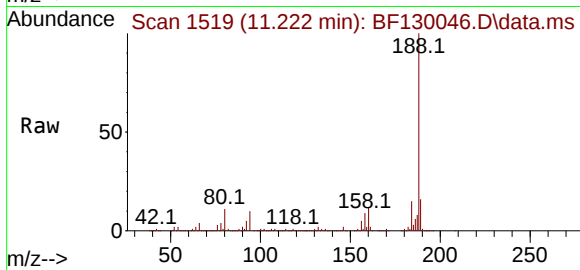




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

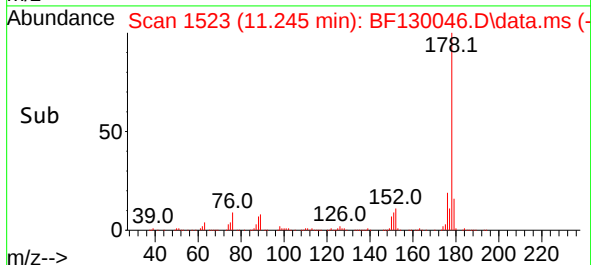
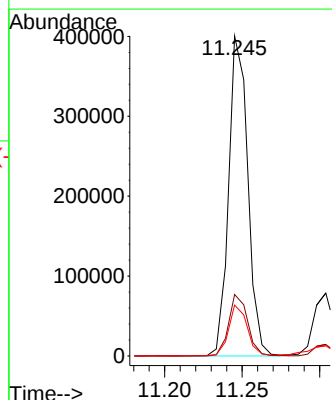
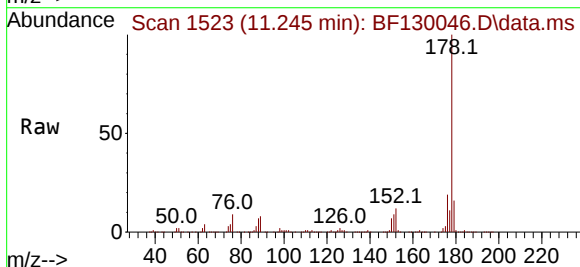
Instrument :
BNA_F
ClientSampleId :
WC-2DL

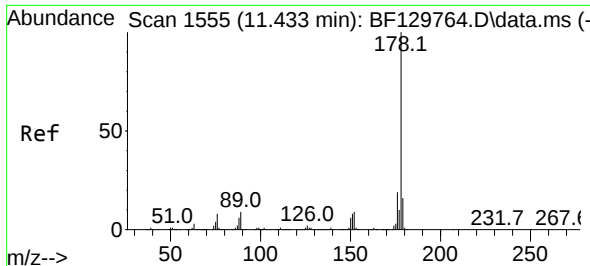
Tgt Ion:188 Resp: 426841
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.2
80 11.2 7.9 11.9



#71
Phenanthrene
Concen: 14.447 ng
RT: 11.245 min Scan# 1523
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion:178 Resp: 344404
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.9 12.5 18.7

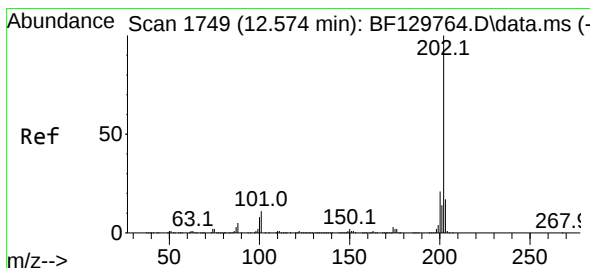
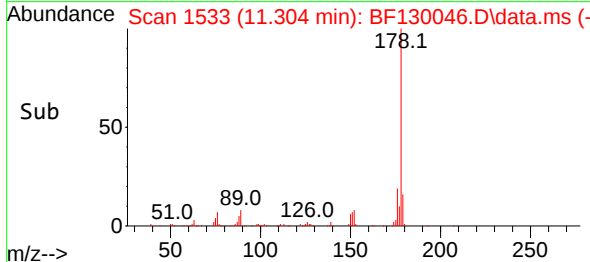
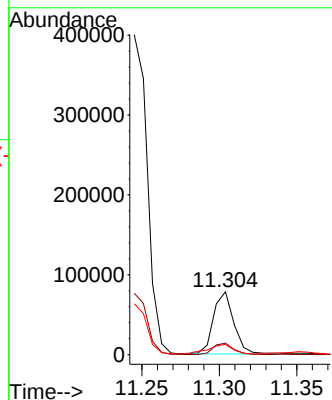
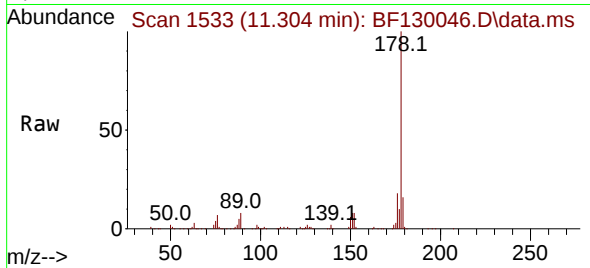




#72
 Anthracene
 Concen: 2.992 ng
 RT: 11.304 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130046.D
 Acq: 29 Aug 2022 21:40

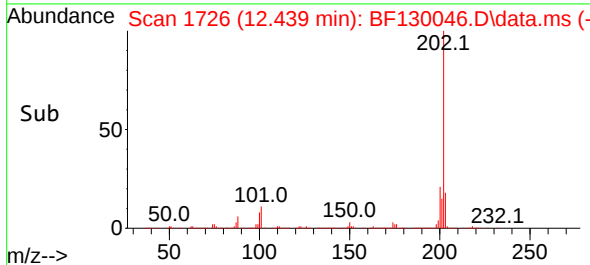
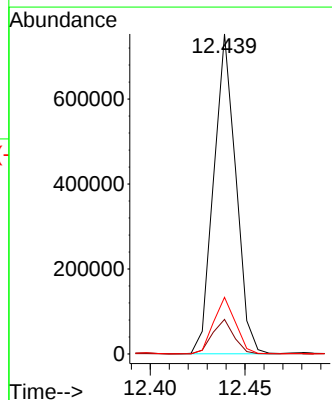
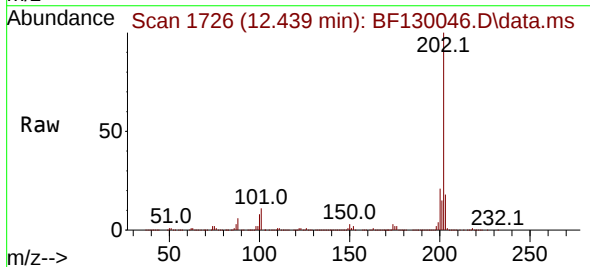
Instrument :
 BNA_F
 ClientSampleId :
 WC-2DL

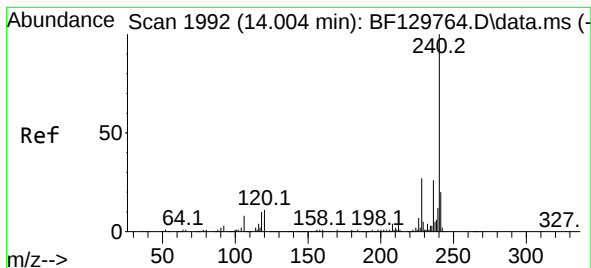
Tgt Ion:178 Resp: 70935
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.1 22.7
 179 16.2 12.6 18.8



#75
 Fluoranthene
 Concen: 25.141 ng
 RT: 12.439 min Scan# 1726
 Delta R.T. -0.006 min
 Lab File: BF130046.D
 Acq: 29 Aug 2022 21:40

Tgt Ion:202 Resp: 613300
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 30.7
 203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.868 min Scan# 1992

Delta R.T. -0.006 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

WC-2DL

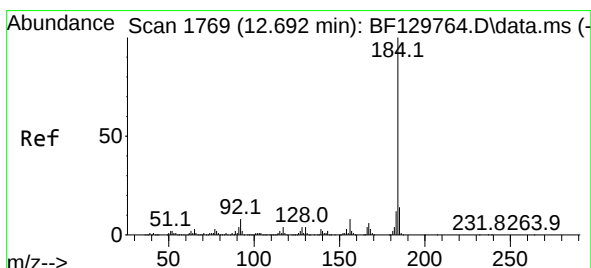
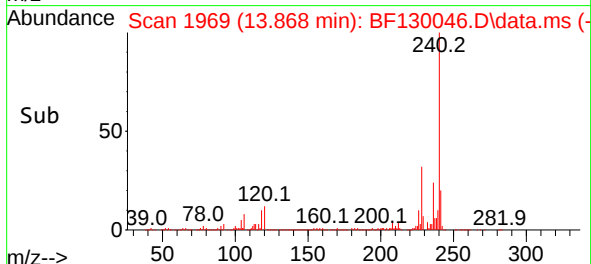
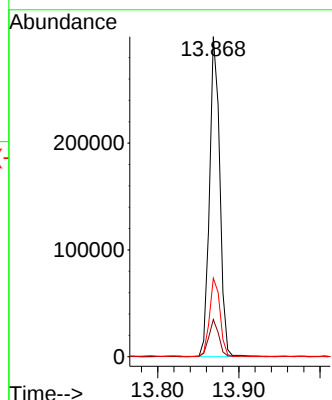
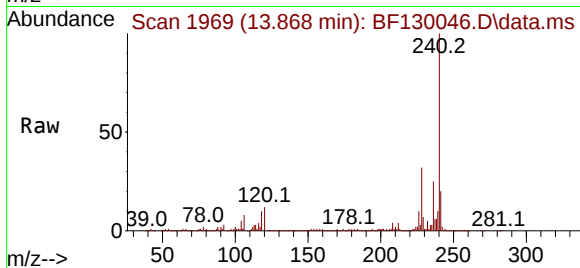
Tgt Ion:240 Resp: 262618

Ion Ratio Lower Upper

240 100

120 11.6 9.2 13.8

236 24.5 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.804 min Scan# 1788

Delta R.T. 0.235 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

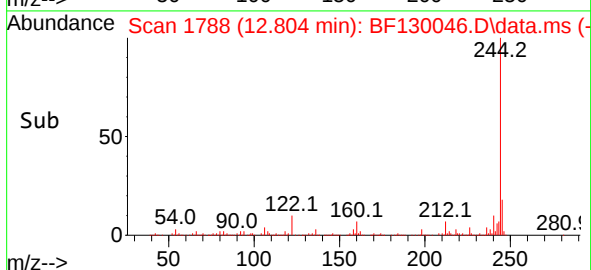
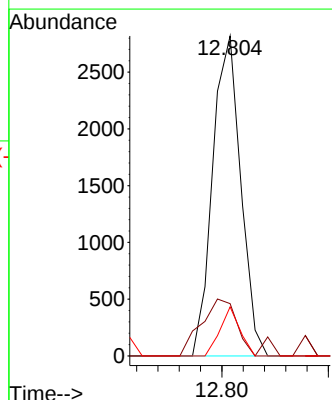
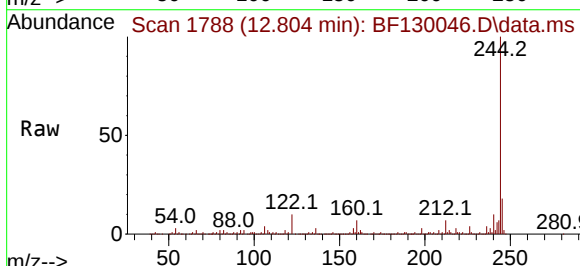
Tgt Ion:184 Resp: 2580

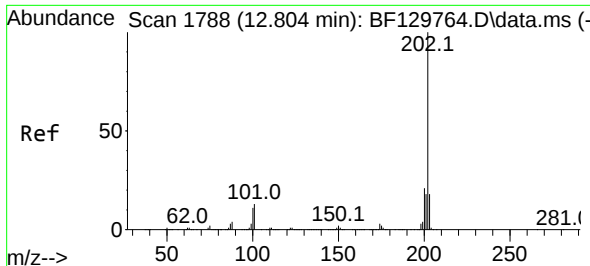
Ion Ratio Lower Upper

184 100

185 16.3 11.4 17.2

183 15.3 9.4 14.2#

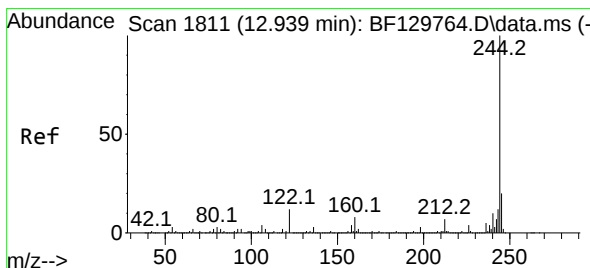
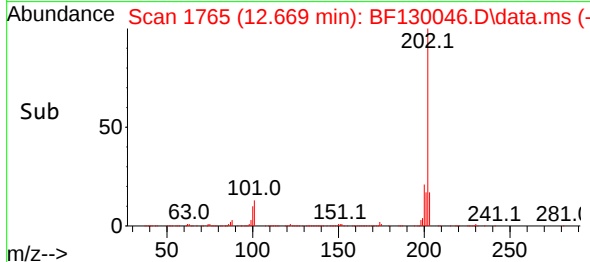
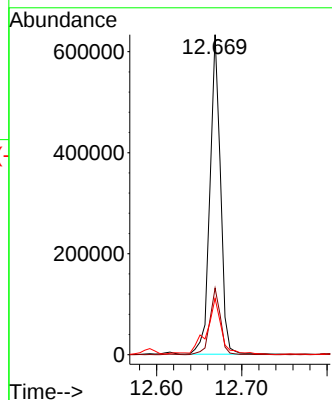
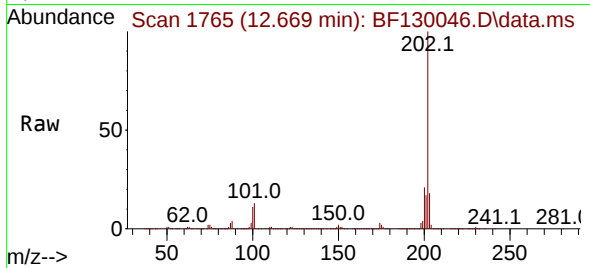




#78
Pyrene
Concen: 23.804 ng
RT: 12.669 min Scan# 1765
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

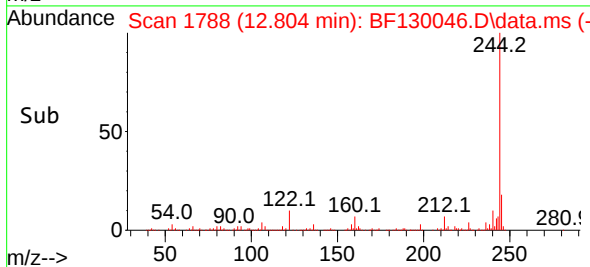
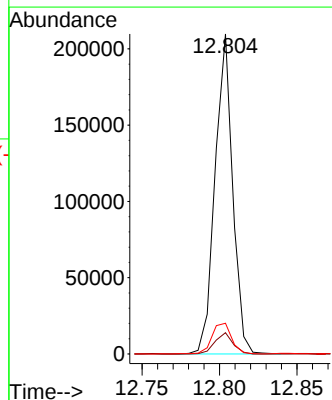
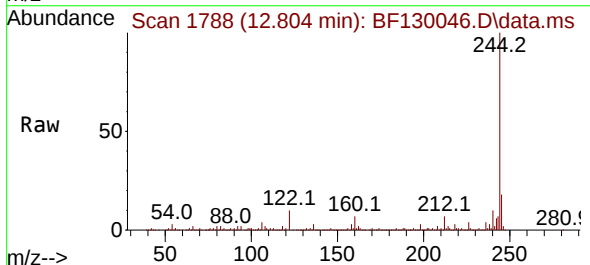
Instrument :
BNA_F
ClientSampleId :
WC-2DL

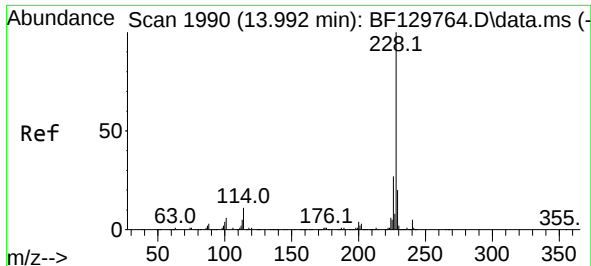
Tgt Ion:202 Resp: 543232
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.6
203 17.6 14.1 21.1



#79
Terphenyl-d14
Concen: 10.511 ng
RT: 12.804 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion:244 Resp: 165889
Ion Ratio Lower Upper
244 100
212 6.7 5.9 8.9
122 9.6 9.9 14.9#

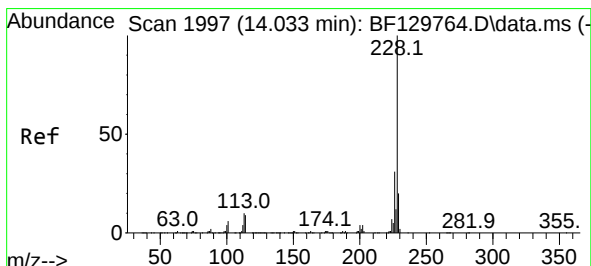
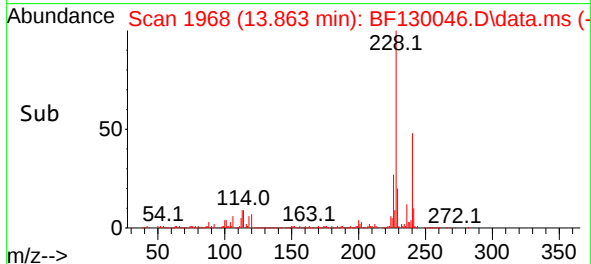
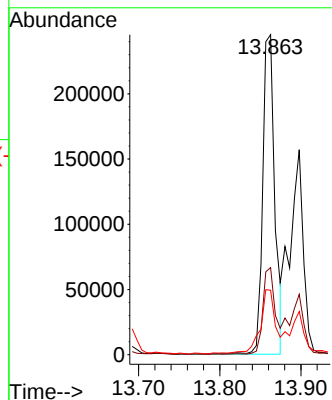
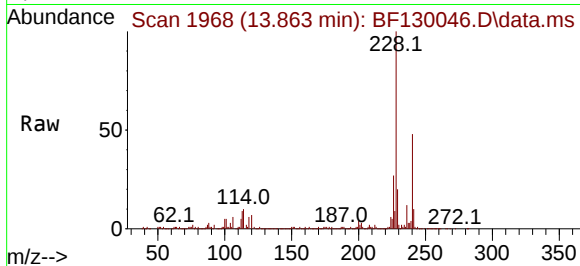




#81
Benzo(a)anthracene
Concen: 14.008 ng
RT: 13.863 min Scan# 1968
Delta R.T. 0.000 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

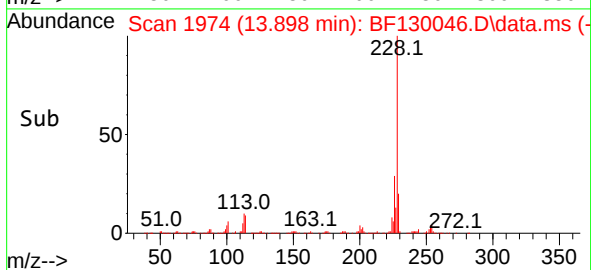
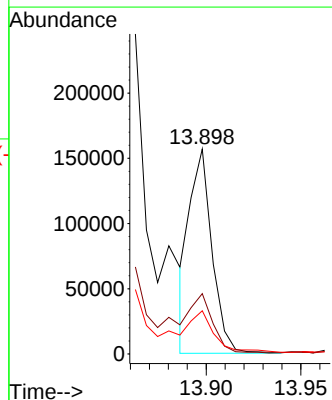
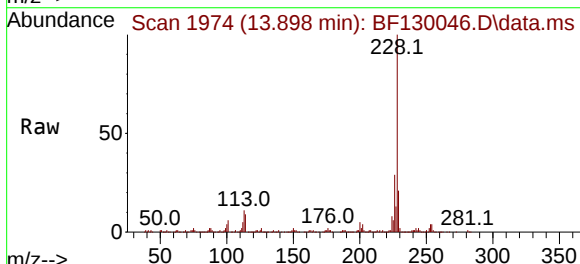
Instrument :
BNA_F
ClientSampleId :
WC-2DL

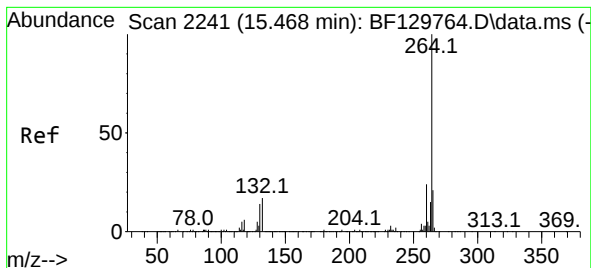
Tgt Ion:228 Resp: 253066
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.0
229 20.2 16.1 24.1



#83
Chrysene
Concen: 7.661 ng
RT: 13.898 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion:228 Resp: 129551
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 21.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

WC-2DL

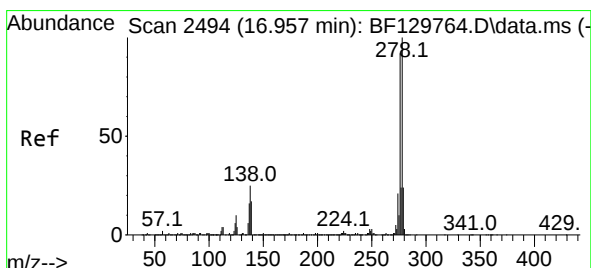
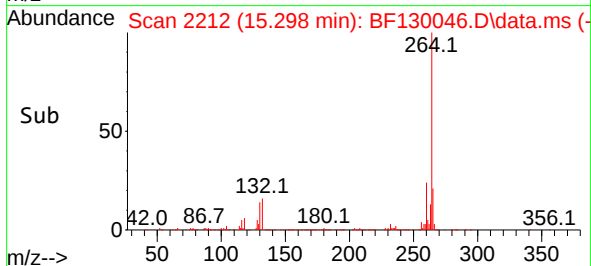
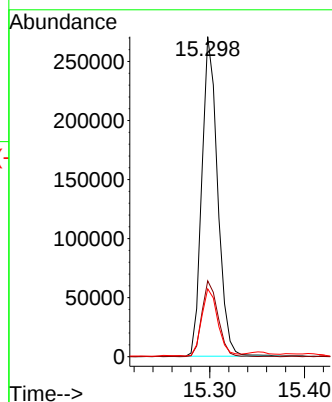
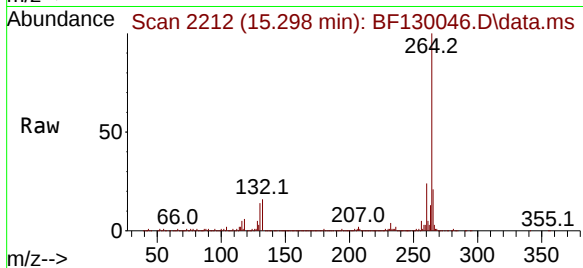
Tgt Ion:264 Resp: 314283

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 21.2 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.843 ng

RT: 16.721 min Scan# 2454

Delta R.T. 0.006 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

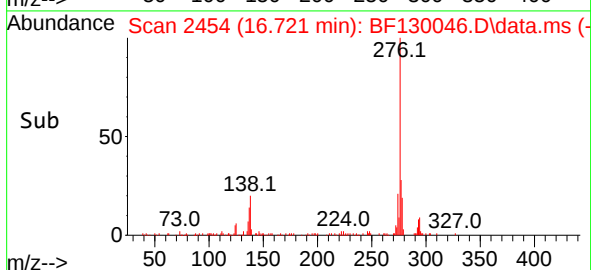
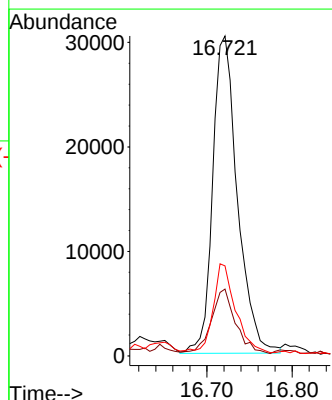
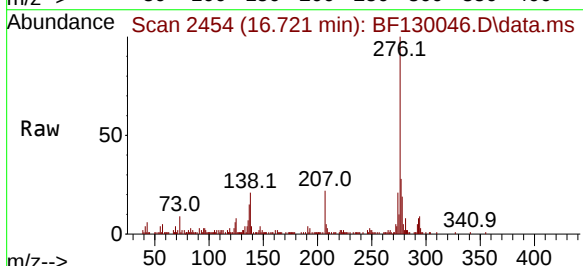
Tgt Ion:276 Resp: 61346

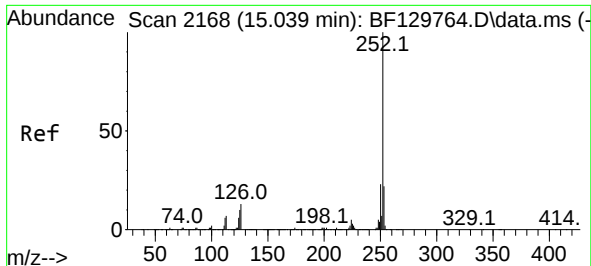
Ion Ratio Lower Upper

276 100

138 19.8 19.8 29.8

277 26.5 20.4 30.6

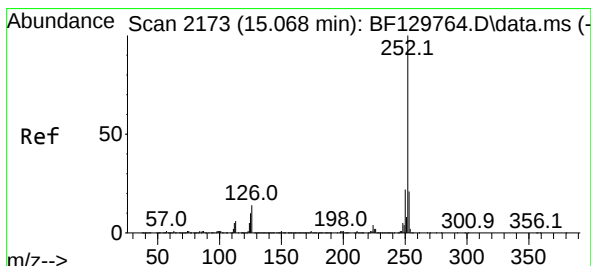
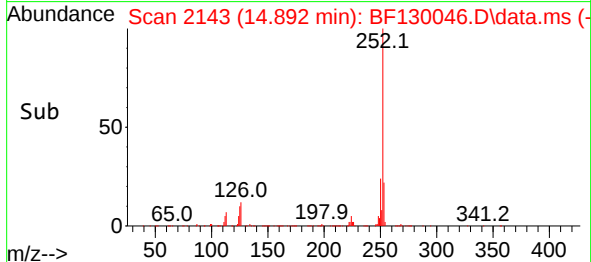
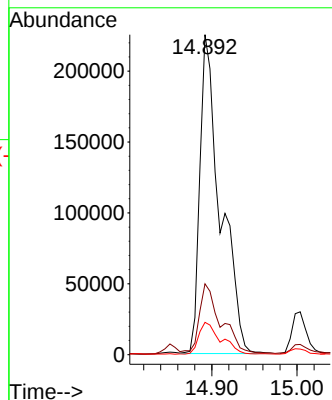
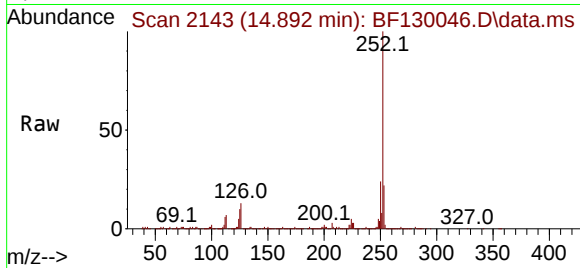




#88
Benzo(b)fluoranthene
Concen: 17.585 ng
RT: 14.892 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

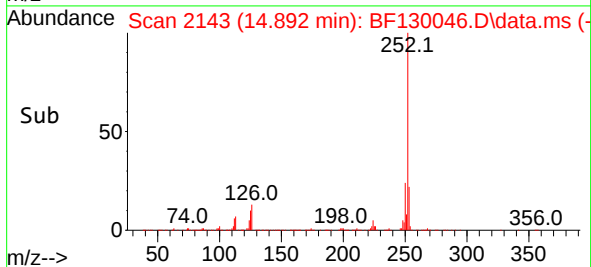
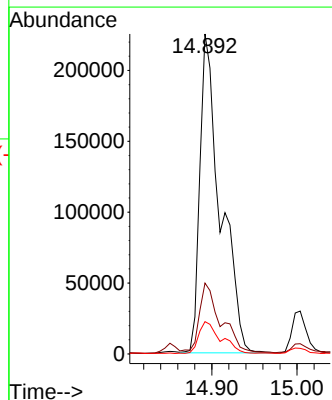
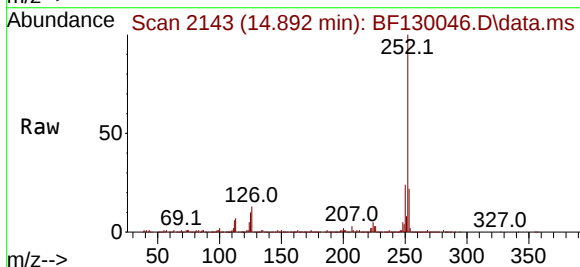
Instrument :
BNA_F
ClientSampleId :
WC-2DL

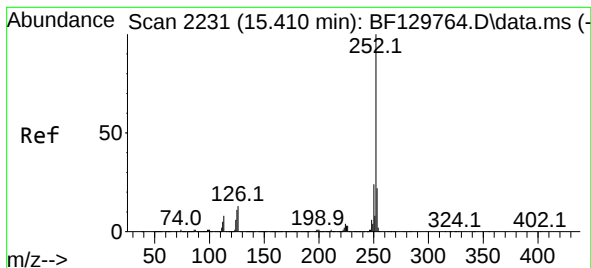
Tgt Ion:252 Resp: 378436
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.1 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 18.336 ng
RT: 14.892 min Scan# 2143
Delta R.T. -0.029 min
Lab File: BF130046.D
Acq: 29 Aug 2022 21:40

Tgt Ion:252 Resp: 378436
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 10.1 8.3 12.5





#90

Benzo(a)pyrene

Concen: 8.757 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

Instrument :

BNA_F

ClientSampleId :

WC-2DL

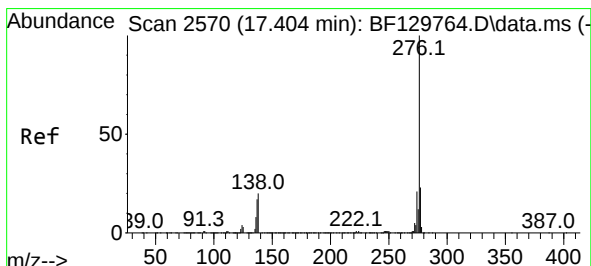
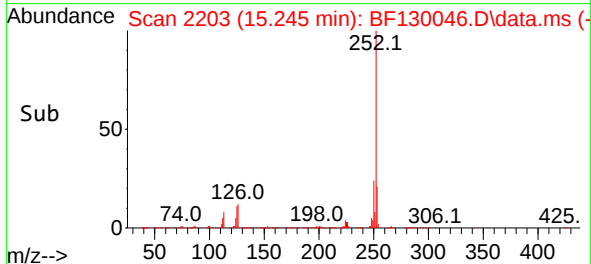
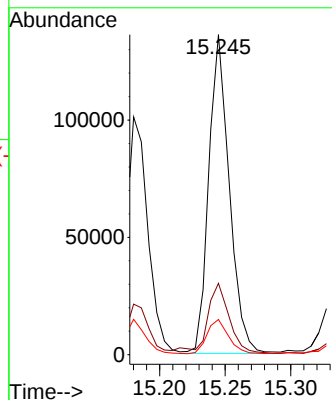
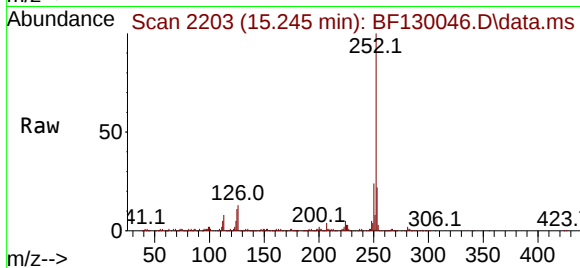
Tgt Ion:252 Resp: 148405

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 11.0 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 2.597 ng

RT: 17.151 min Scan# 2527

Delta R.T. 0.018 min

Lab File: BF130046.D

Acq: 29 Aug 2022 21:40

Tgt Ion:276 Resp: 46119

Ion Ratio Lower Upper

276 100

277 26.6 18.2 27.4

138 20.4 15.8 23.8

