

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092322\
 Data File : BF130397.D
 Acq On : 23 Sep 2022 18:42
 Operator : CG\JU
 Sample : N4782-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 03:18:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

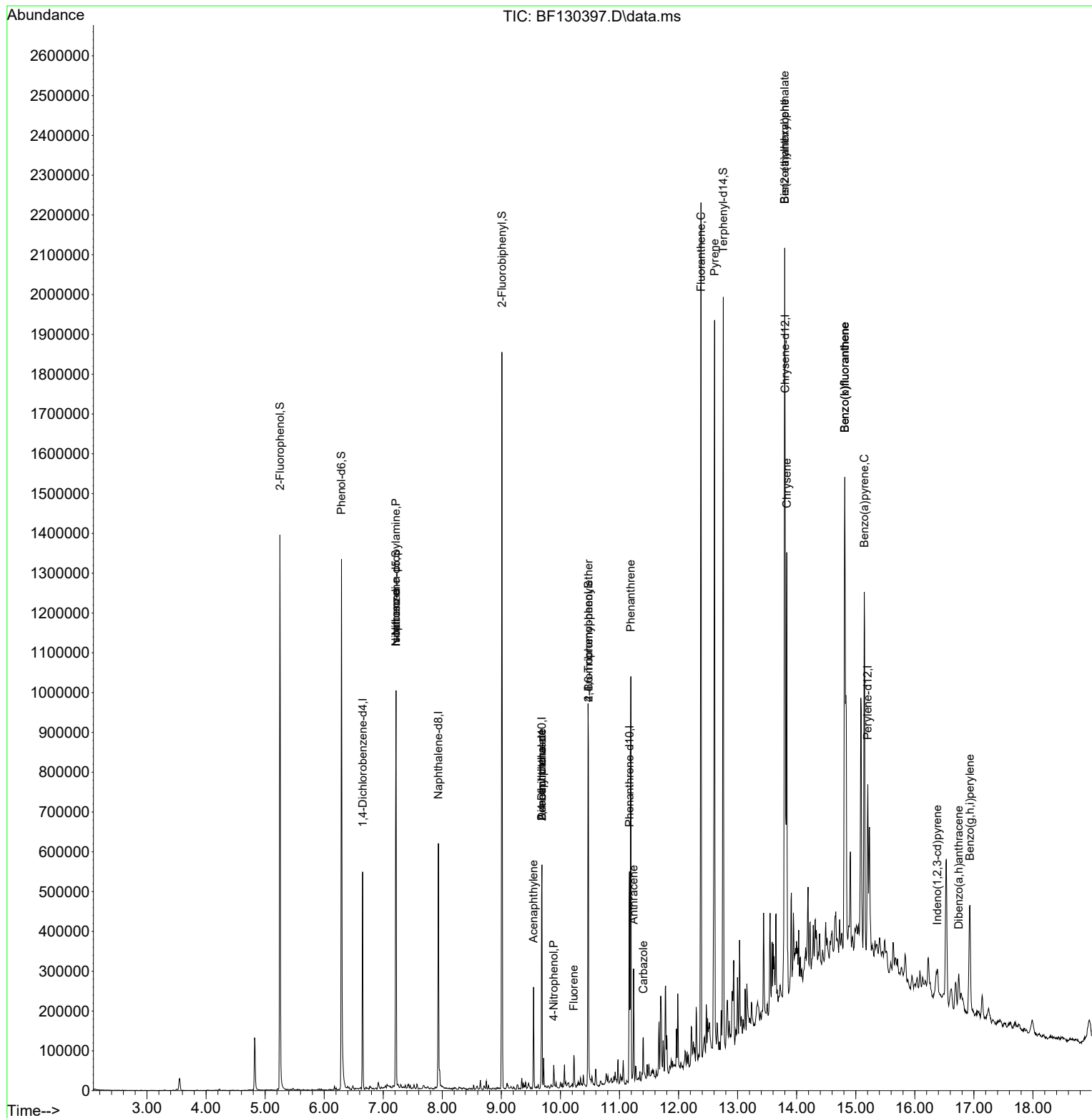
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.651	152	69766	20.000	ng	-0.01
21) Naphthalene-d8	7.934	136	234677	20.000	ng	#-0.01
39) Acenaphthene-d10	9.686	164	108228	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	183560	20.000	ng	0.00
76) Chrysene-d12	13.804	240	192638	20.000	ng	0.00
86) Perylene-d12	15.204	264	173563	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	377280	93.796	ng	0.00
7) Phenol-d6	6.292	99	431506	85.737	ng	0.00
23) Nitrobenzene-d5	7.216	82	275591	59.995	ng	-0.02
42) 2,4,6-Tribromophenol	10.475	330	111447	107.467	ng	0.00
45) 2-Fluorobiphenyl	9.010	172	489805	65.902	ng	-0.01
79) Terphenyl-d14	12.757	244	563935	48.493	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.216	70	36288	10.685	ng	# 72
25) Isophorone	7.216	82	273723	36.971	ng	# 66
49) Acenaphthylene	9.545	152	91994	9.384	ng	99
50) Dimethylphthalate	9.686	163	20524	2.745	ng	# 1
56) 4-Nitrophenol	9.886	139	6352	5.006	ng	# 1
57) 2,4-Dinitrotoluene	9.686	165	14851	7.432	ng	# 16
58) Fluorene	10.227	166	21095	2.879	ng	99
67) 4-Bromophenyl-phenylether	10.475	248	6448	3.184	ng	# 1
71) Phenanthrene	11.192	178	338885	32.883	ng	99
72) Anthracene	11.239	178	92536	9.304	ng	99
73) Carbazole	11.404	167	41293	4.601	ng	99
75) Fluoranthene	12.380	202	793157	79.646	ng	98
78) Pyrene	12.610	202	717332	42.566	ng	100
81) Benzo(a)anthracene	13.798	228	443207	34.584	ng	94
83) Chrysene	13.833	228	422114	34.690	ng	97
84) Bis(2-ethylhexyl)phtha...	13.798	149	152145	21.276	ng	99
87) Indeno(1,2,3-cd)pyrene	16.380	276	42770	3.475	ng	96
88) Benzo(b)fluoranthene	14.815	252	831430	73.394	ng	99
89) Benzo(k)fluoranthene	14.815	252	831430	74.610	ng	98
90) Benzo(a)pyrene	15.145	252	392906	43.779	ng	96
91) Dibenzo(a,h)anthracene	16.745	278	45996	4.555	ng	99
92) Benzo(g,h,i)perylene	16.933	276	221046	21.733	ng	99

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

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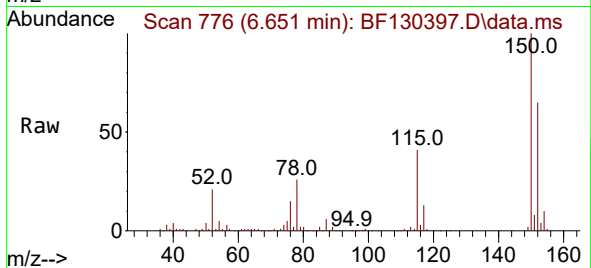
Quant Time: Sep 24 03:18:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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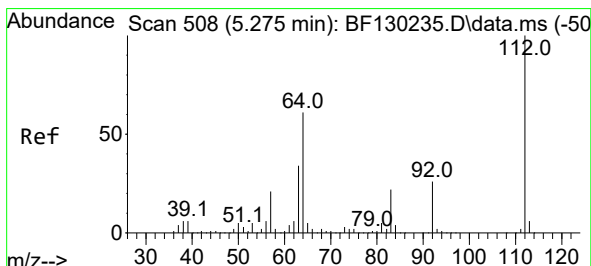
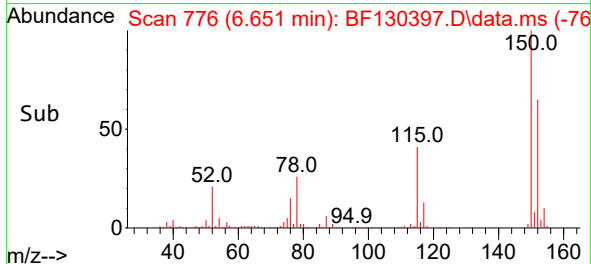
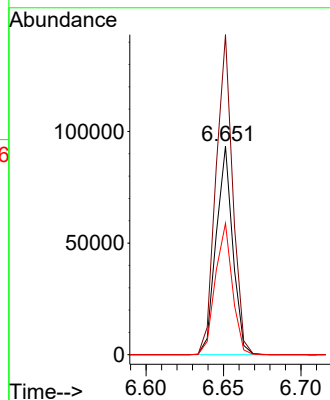


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.651 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: BF130397.D
 Acq: 23 Sep 2022 18:42

Instrument :
 BNA_F
 ClientSampleId :

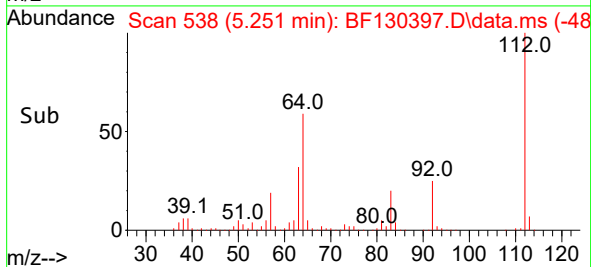
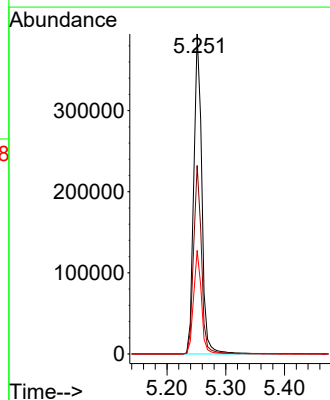
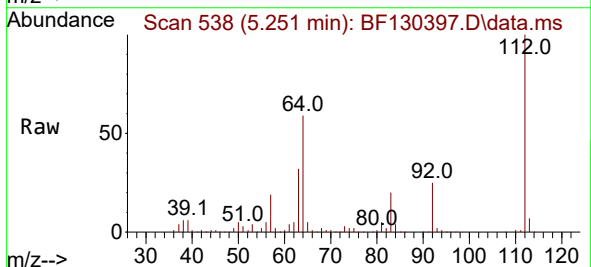


Tgt Ion:152 Resp: 69766
 Ion Ratio Lower Upper
 152 100
 150 153.3 122.8 184.2
 115 62.9 53.8 80.8



#5
 2-Fluorophenol
 Concen: 93.796 ng
 RT: 5.251 min Scan# 538
 Delta R.T. -0.006 min
 Lab File: BF130397.D
 Acq: 23 Sep 2022 18:42

Tgt Ion:112 Resp: 377280
 Ion Ratio Lower Upper
 112 100
 64 58.9 51.4 77.0
 63 32.4 28.8 43.2

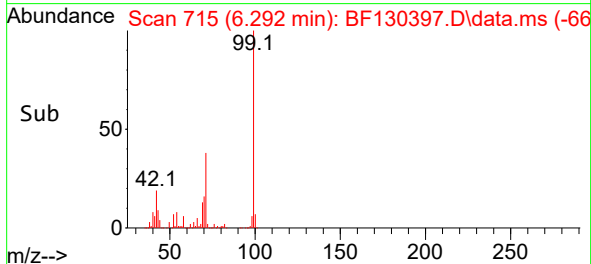
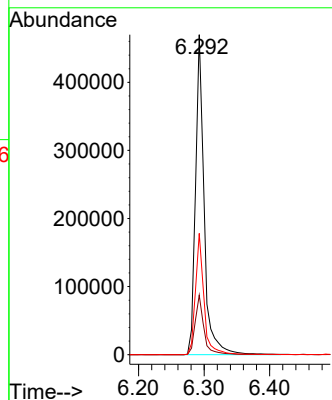
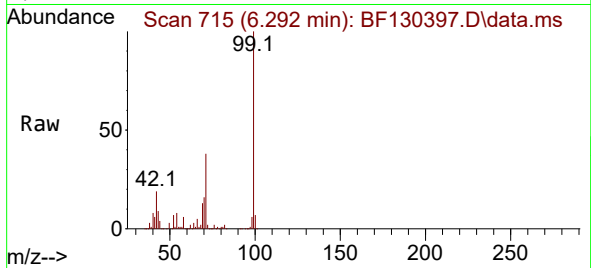




#7
Phenol-d6
Concen: 85.737 ng
RT: 6.292 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

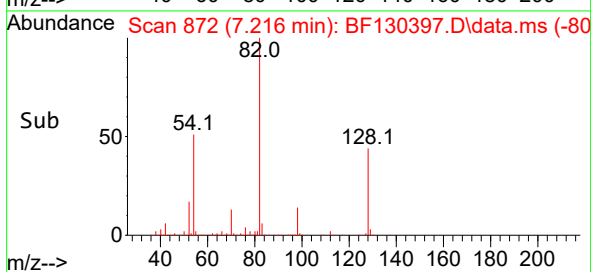
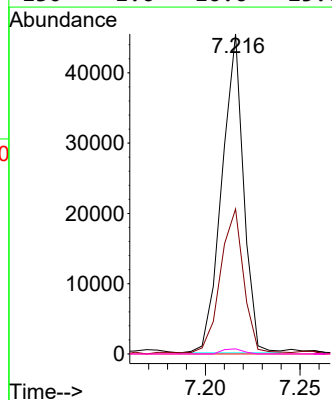
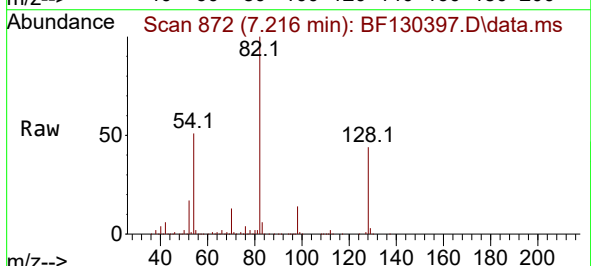
Instrument :
BNA_F
ClientSampleId :

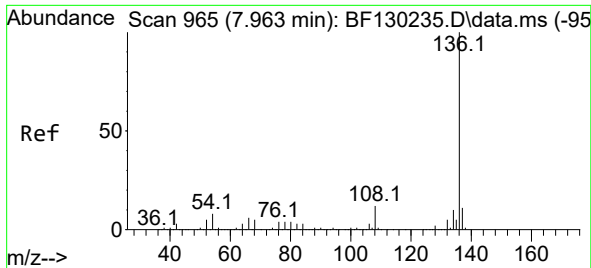
Tgt Ion: 99 Resp: 431506
Ion Ratio Lower Upper
99 100
42 18.6 17.0 25.6
71 37.9 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.685 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.124 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

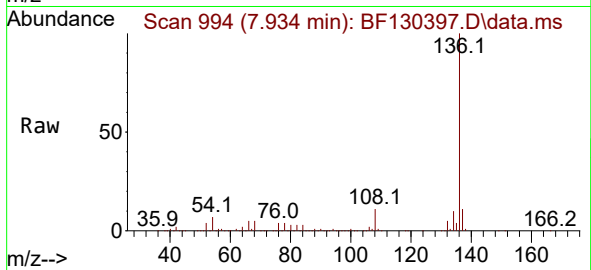
Tgt Ion: 70 Resp: 36288
Ion Ratio Lower Upper
70 100
42 45.3 50.8 76.2#
101 0.0 8.2 12.4#
130 1.6 16.6 25.0#



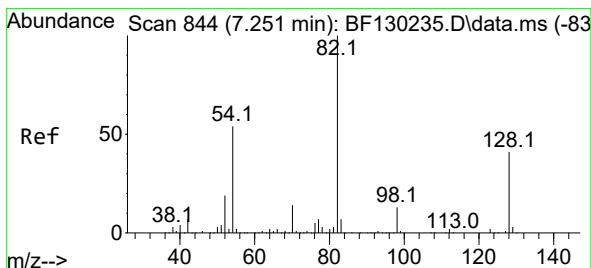
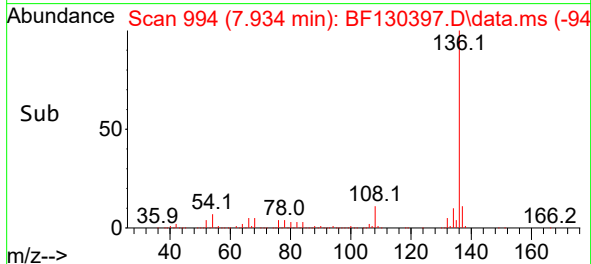
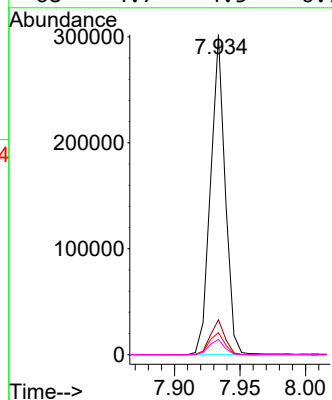


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.934 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
BNA_F
ClientSampleId :

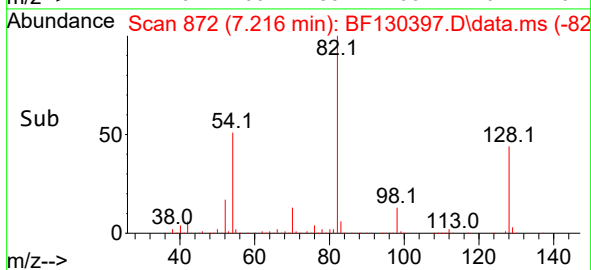
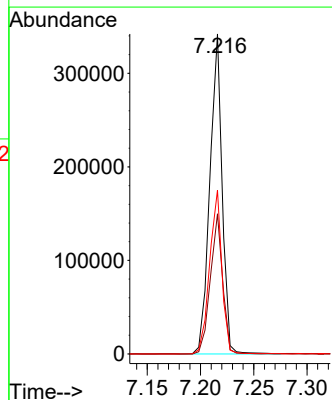
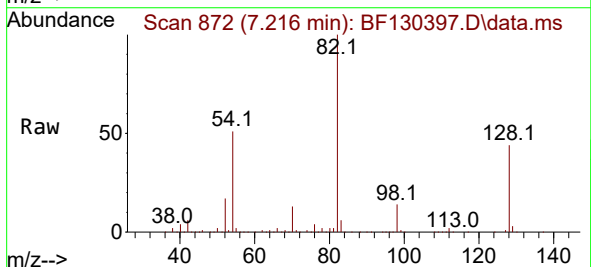


Tgt Ion:136 Resp: 234677
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.9 7.1 10.7#
68 4.7 4.5 6.7



#23
Nitrobenzene-d5
Concen: 59.995 ng
RT: 7.216 min Scan# 872
Delta R.T. -0.018 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

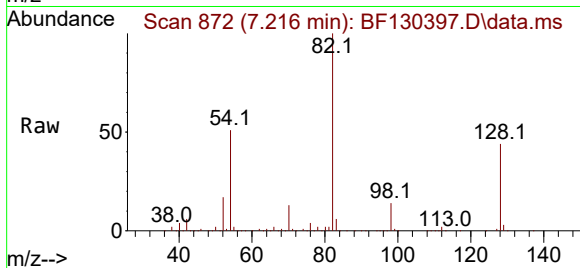
Tgt Ion: 82 Resp: 275591
Ion Ratio Lower Upper
82 100
128 43.8 32.6 49.0
54 51.2 43.8 65.6



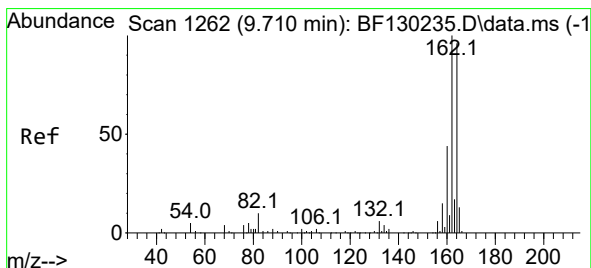
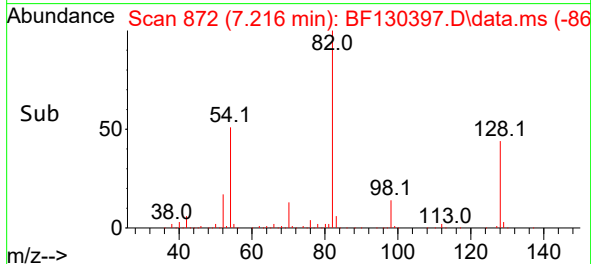
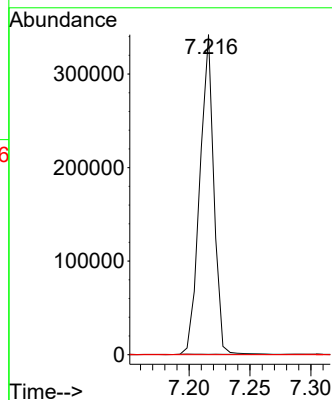


#25
Isophorone
Concen: 36.971 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
BNA_F
ClientSampleId :

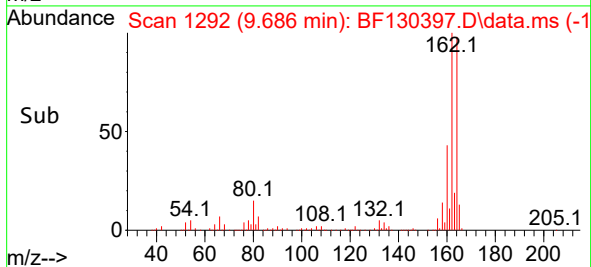
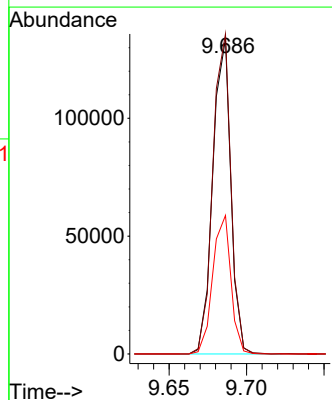
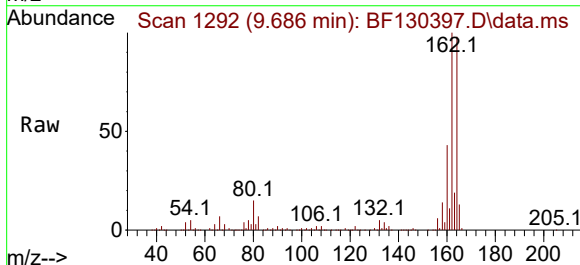


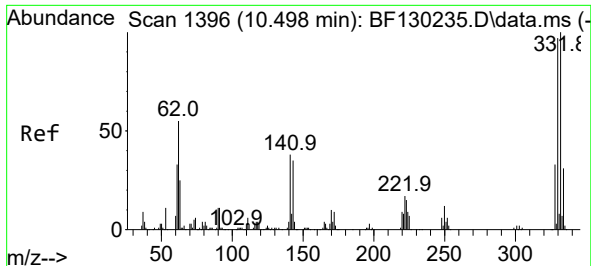
Tgt Ion: 82 Resp: 273723
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Tgt Ion: 164 Resp: 108228
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 44.0 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 107.467 ng

RT: 10.475 min Scan# 1426

Delta R.T. -0.006 min

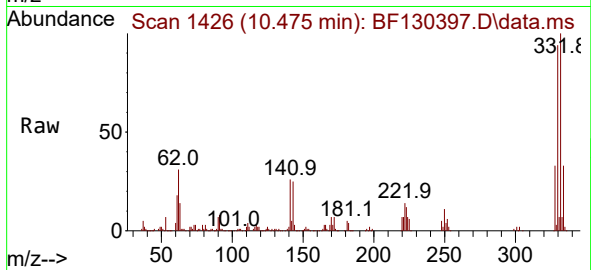
Lab File: BF130397.D

Acq: 23 Sep 2022 18:42

Instrument :

BNA_F

ClientSampleId :



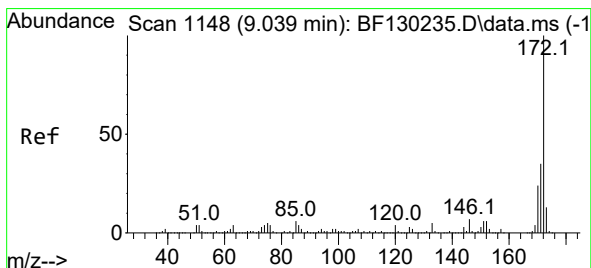
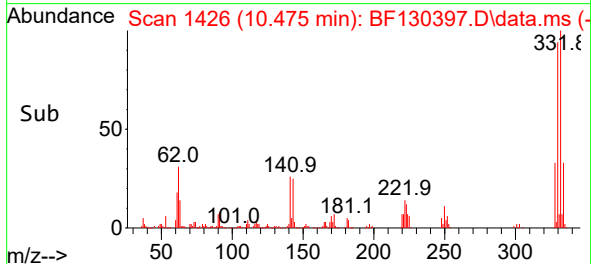
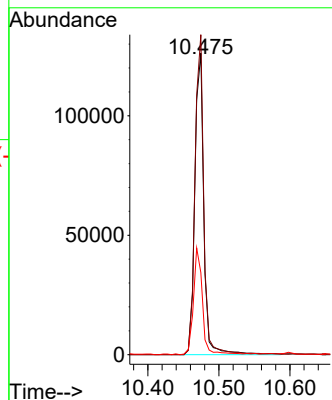
Tgt Ion:330 Resp: 111447

Ion Ratio Lower Upper

330 100

332 104.0 83.4 125.2

141 35.5 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 65.902 ng

RT: 9.010 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BF130397.D

Acq: 23 Sep 2022 18:42

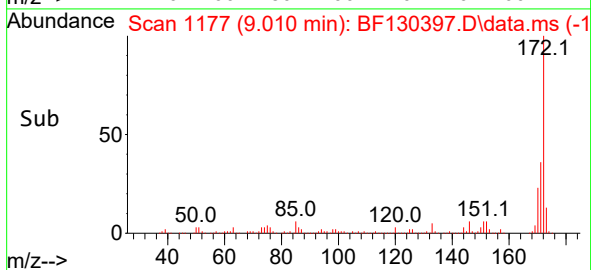
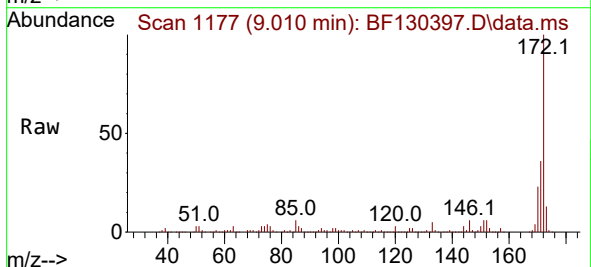
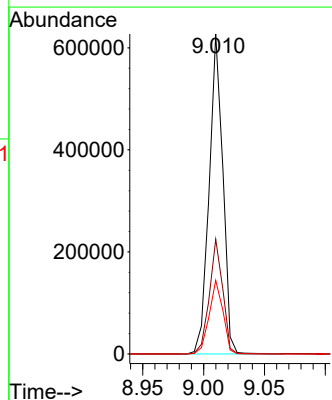
Tgt Ion:172 Resp: 489805

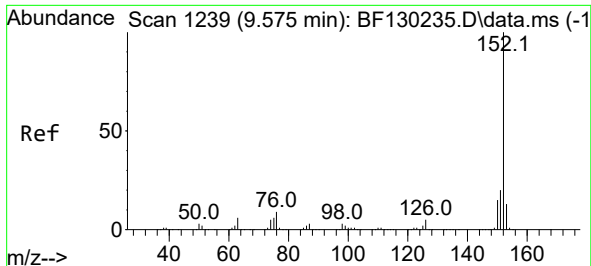
Ion Ratio Lower Upper

172 100

171 35.9 28.3 42.5

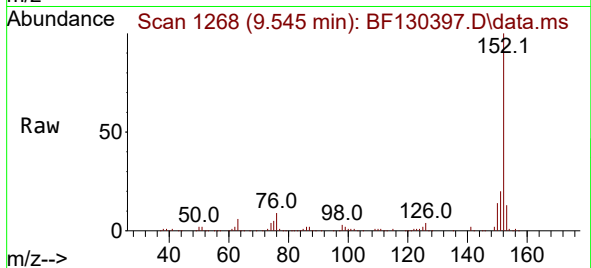
170 23.0 18.7 28.1



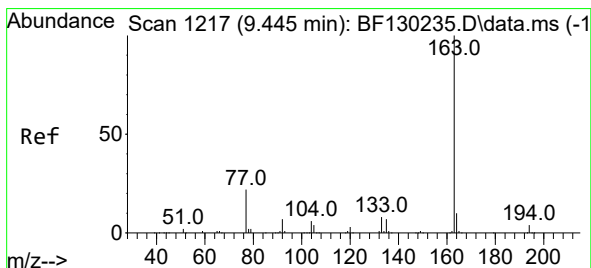
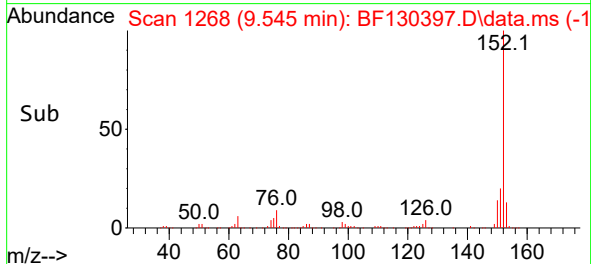
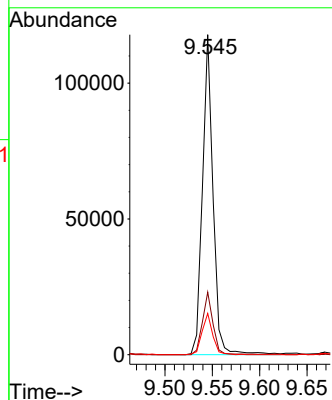


#49
Acenaphthylene
Concen: 9.384 ng
RT: 9.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
BNA_F
ClientSampleId :

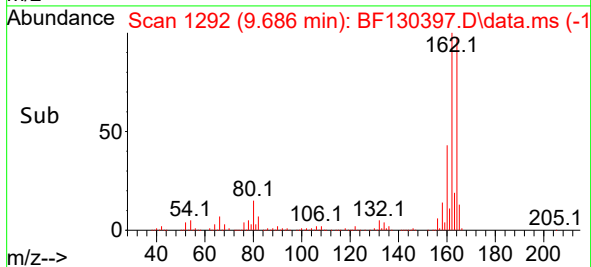
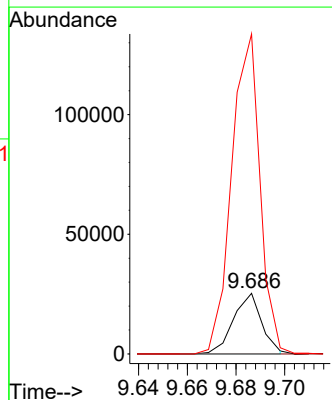
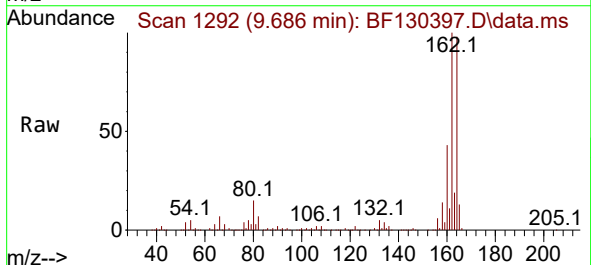


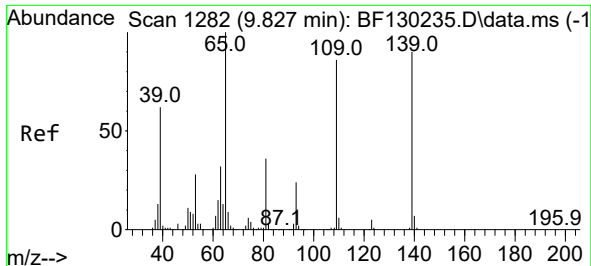
Tgt Ion:152 Resp: 91994
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 12.9 10.6 15.8



#50
Dimethylphthalate
Concen: 2.745 ng
RT: 9.686 min Scan# 1292
Delta R.T. 0.259 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Tgt Ion:163 Resp: 20524
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 527.2 8.2 12.2#

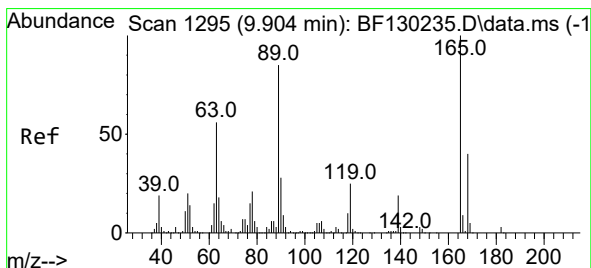
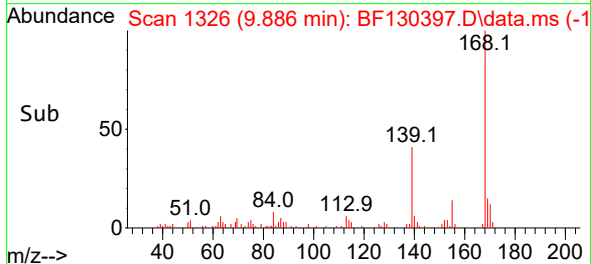
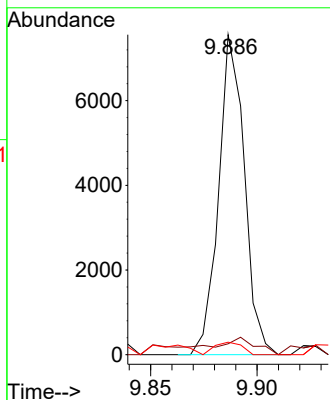
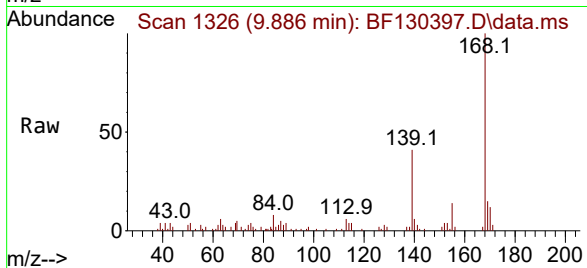




#56
4-Nitrophenol
Concen: 5.006 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

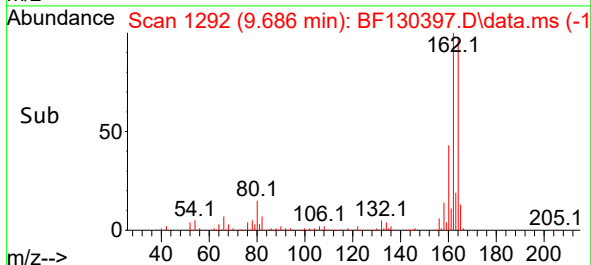
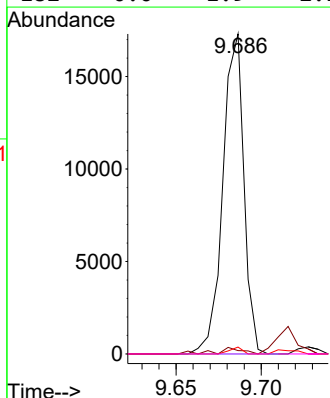
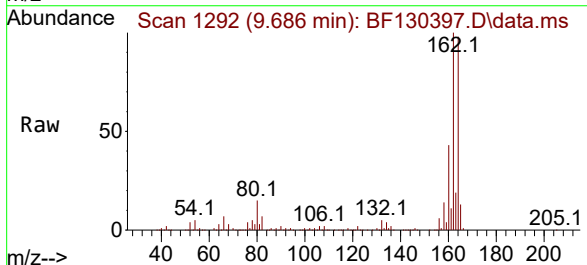
Instrument :
BNA_F
ClientSampleId :

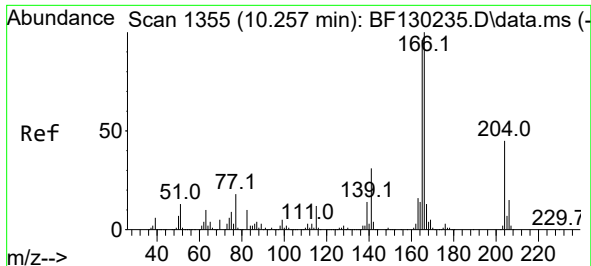
Tgt Ion:139 Resp: 6352
Ion Ratio Lower Upper
139 100
109 3.4 72.2 112.2#
65 3.9 97.7 137.7#



#57
2,4-Dinitrotoluene
Concen: 7.432 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.200 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

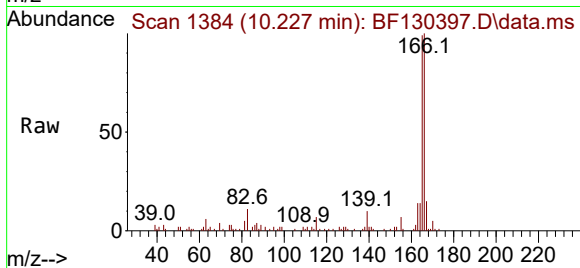
Tgt Ion:165 Resp: 14851
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 2.1 69.0 103.4#
182 0.0 1.9 2.9#



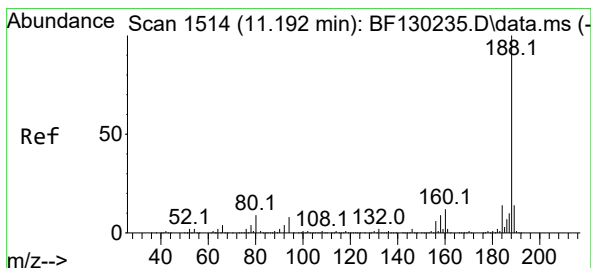
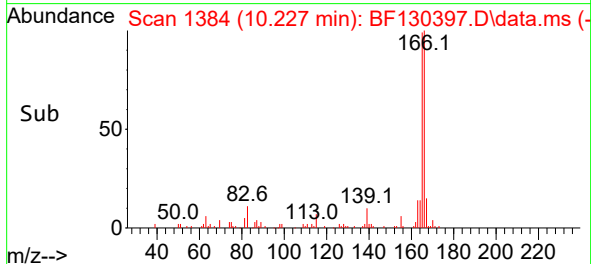
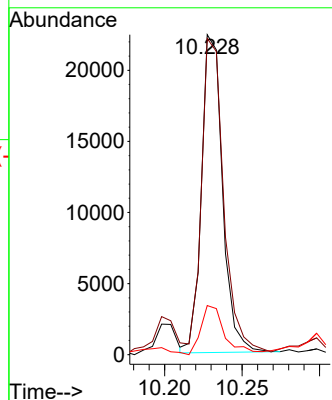


#58
Fluorene
Concen: 2.879 ng
RT: 10.227 min Scan# 1355
Delta R.T. -0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
BNA_F
ClientSampleId :

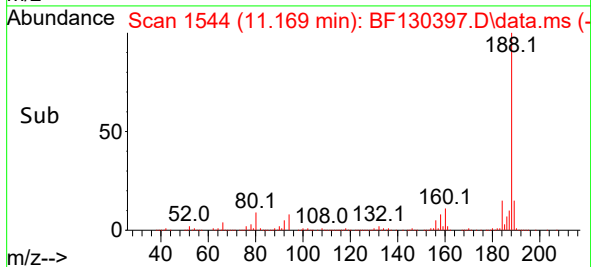
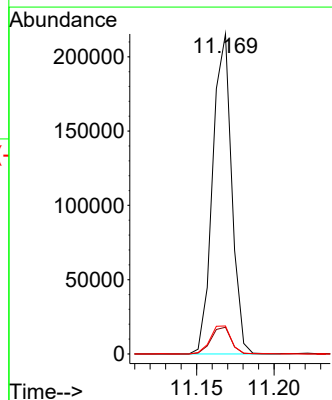
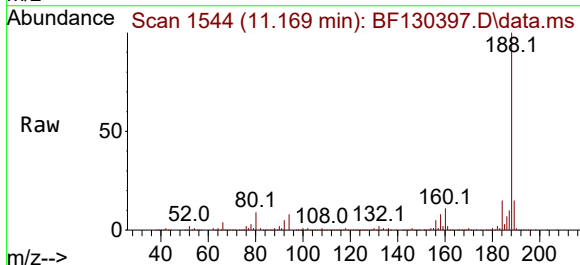


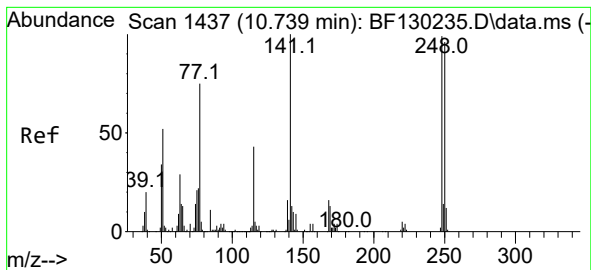
Tgt Ion:166 Resp: 21095
Ion Ratio Lower Upper
166 100
165 98.8 78.8 118.2
167 15.3 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

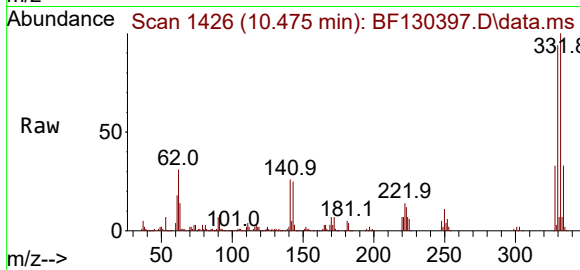
Tgt Ion:188 Resp: 183560
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 8.8 7.9 11.9



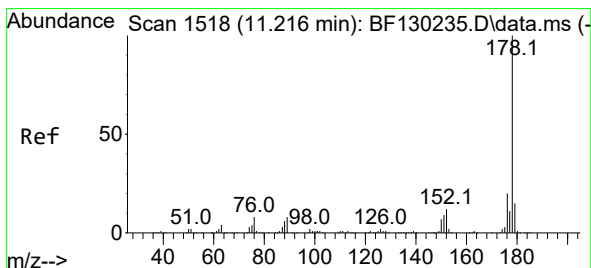
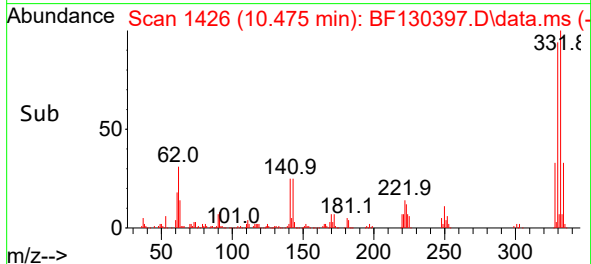
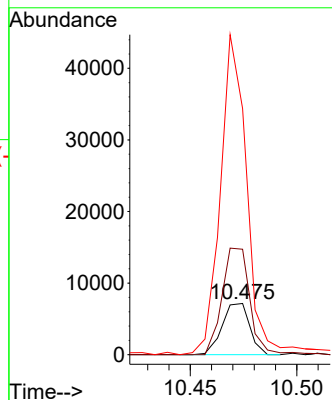


#67
4-Bromophenyl-phenylether
Concen: 3.184 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.247 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
BNA_F
ClientSampleId :

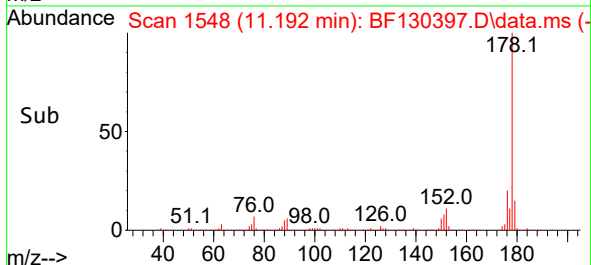
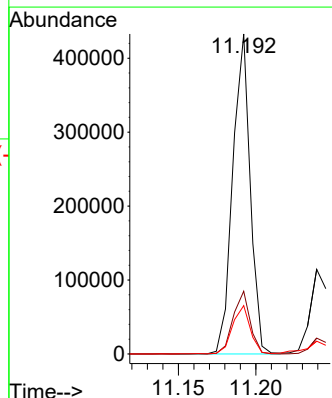
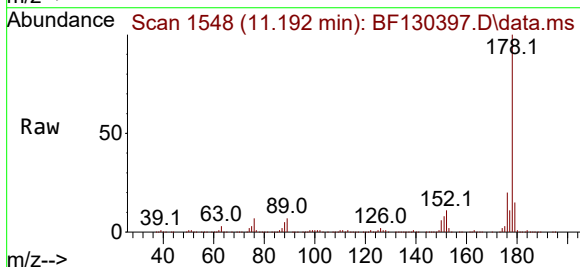


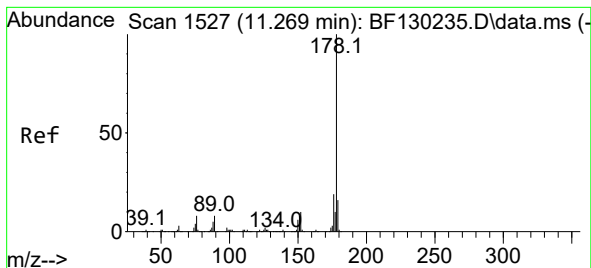
Tgt Ion:248 Resp: 6448
Ion Ratio Lower Upper
248 100
250 206.0 80.0 120.0#
141 480.8 68.5 102.7#



#71
Phenanthrene
Concen: 32.883 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Tgt Ion:178 Resp: 338885
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.1 12.4 18.6





#72

Anthracene

Concen: 9.304 ng

RT: 11.239 min Scan# 1556

Delta R.T. -0.012 min

Lab File: BF130397.D

Acq: 23 Sep 2022 18:42

Instrument :

BNA_F

ClientSampleId :

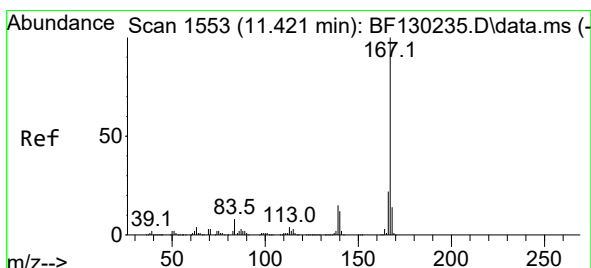
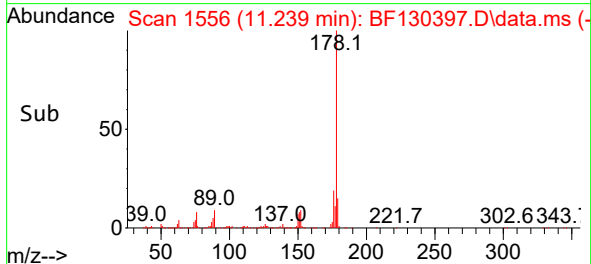
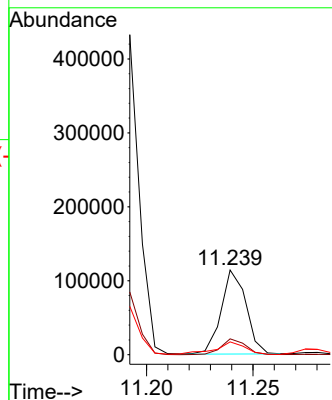
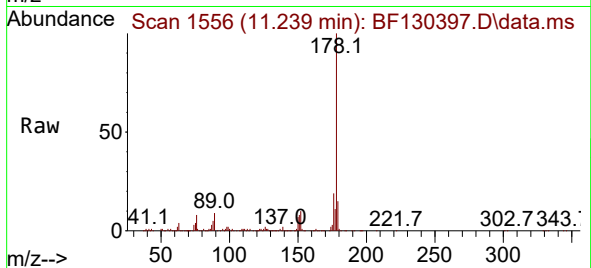
Tgt Ion:178 Resp: 92536

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

179 15.2 12.7 19.1



#73

Carbazole

Concen: 4.601 ng

RT: 11.404 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF130397.D

Acq: 23 Sep 2022 18:42

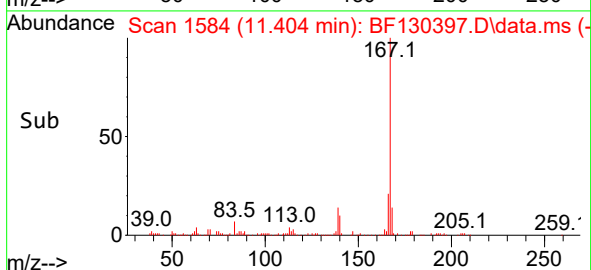
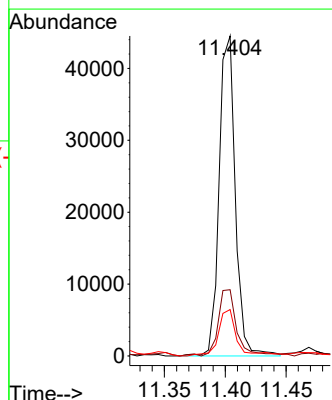
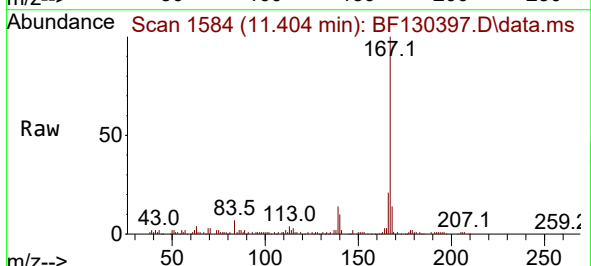
Tgt Ion:167 Resp: 41293

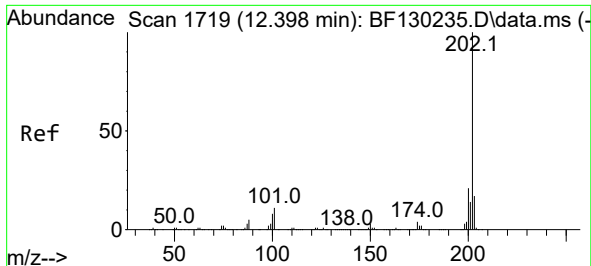
Ion Ratio Lower Upper

167 100

166 20.7 17.4 26.2

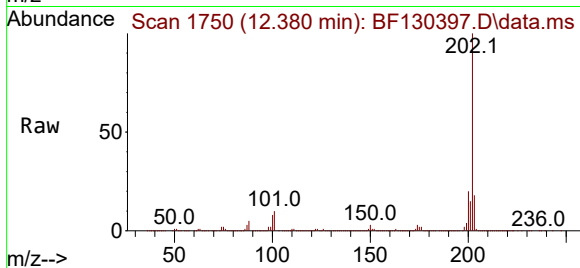
139 14.5 11.6 17.4



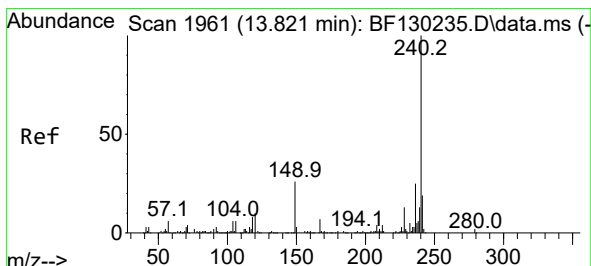
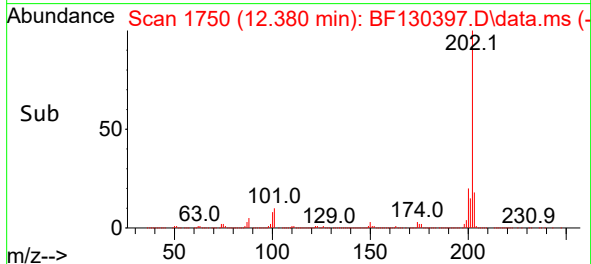
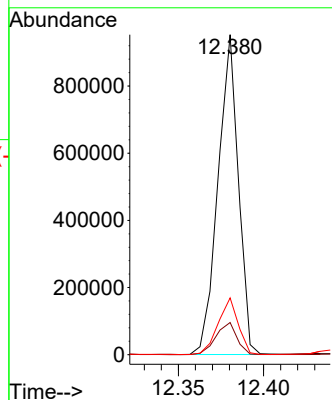


#75
Fluoranthene
Concen: 79.646 ng
RT: 12.380 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
BNA_F
ClientSampleId :

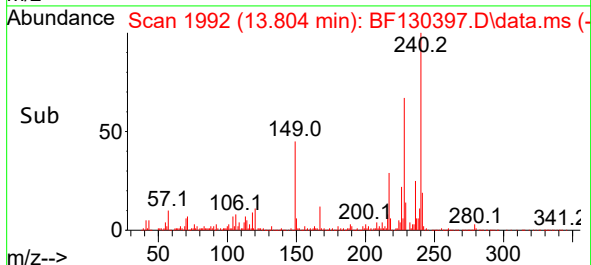
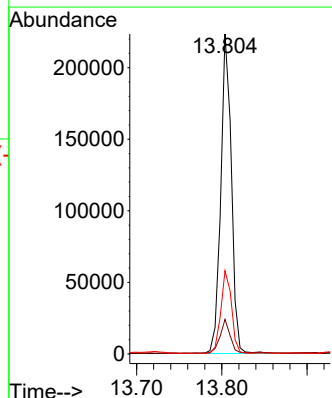
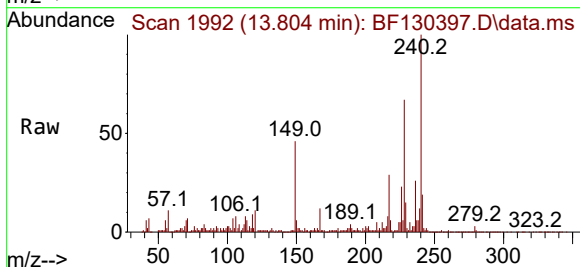


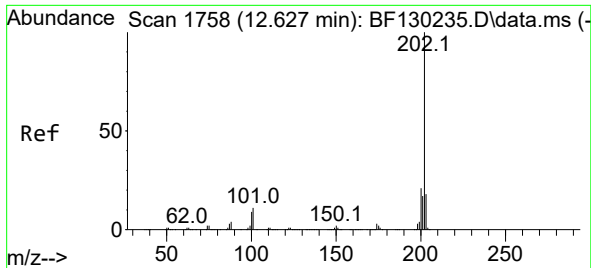
Tgt Ion:202 Resp: 793157
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.804 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

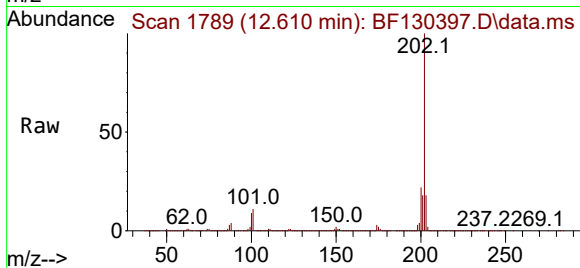
Tgt Ion:240 Resp: 192638
Ion Ratio Lower Upper
240 100
120 10.8 8.7 13.1
236 26.0 20.9 31.3



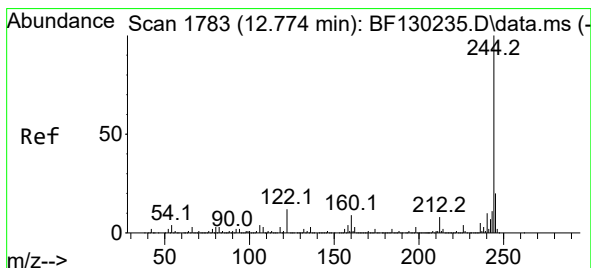
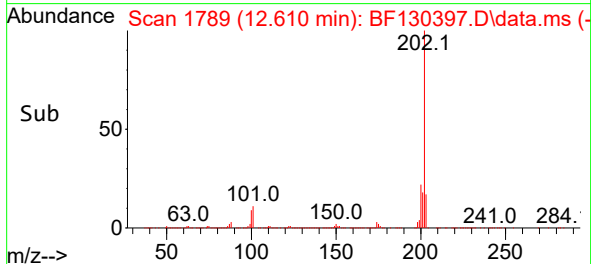
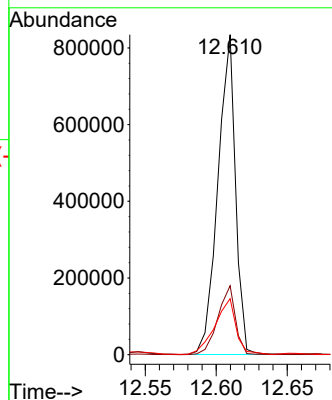


#78
 Pyrene
 Concen: 42.566 ng
 RT: 12.610 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF130397.D
 Acq: 23 Sep 2022 18:42

Instrument :
 BNA_F
 ClientSampleId :

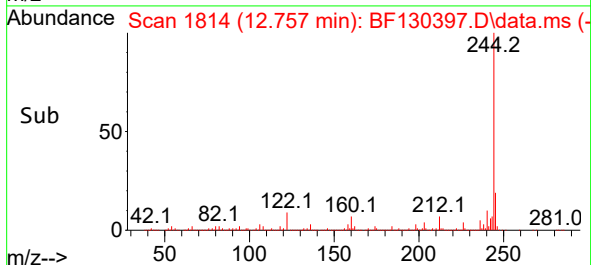
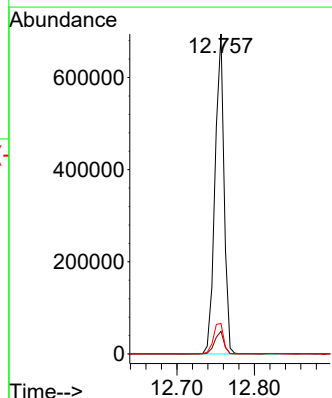
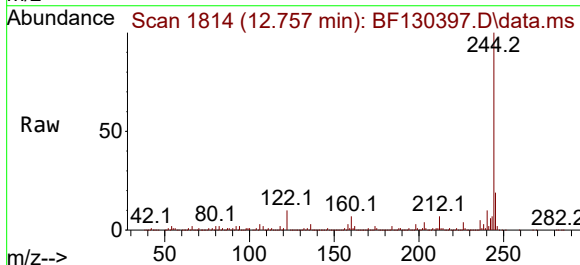


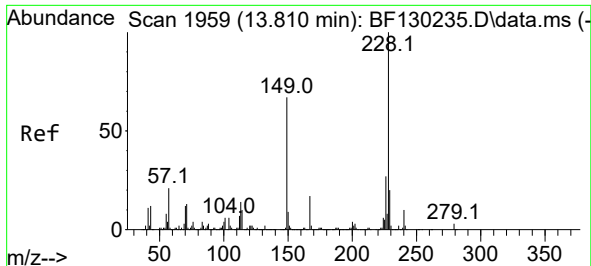
Tgt Ion:202 Resp: 717332
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.2 25.8
 203 17.5 14.3 21.5



#79
 Terphenyl-d14
 Concen: 48.493 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. 0.000 min
 Lab File: BF130397.D
 Acq: 23 Sep 2022 18:42

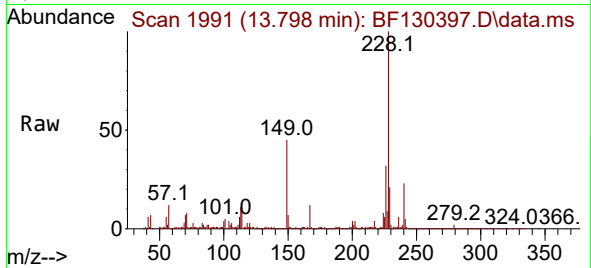
Tgt Ion:244 Resp: 563935
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 9.5 8.5 12.7



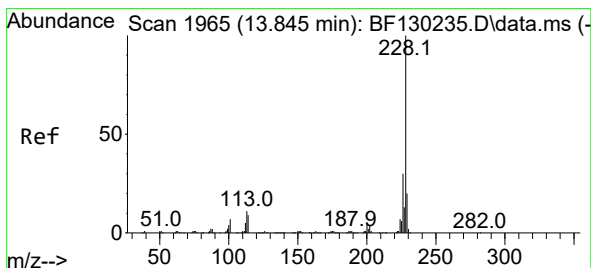
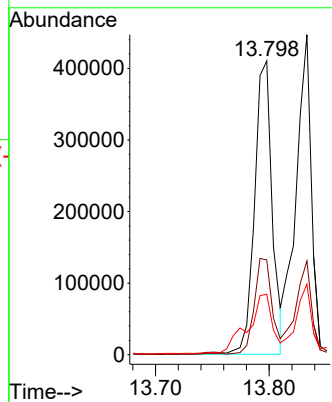
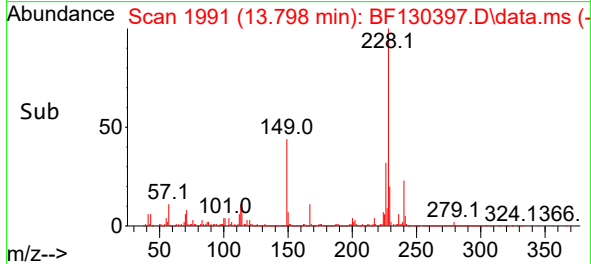


#81
Benzo(a)anthracene
Concen: 34.584 ng
RT: 13.798 min Scan# 1991
Delta R.T. 0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

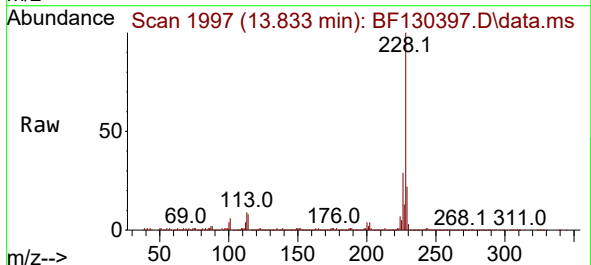
Instrument :
BNA_F
ClientSampleId :



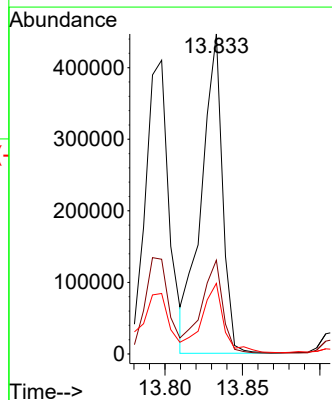
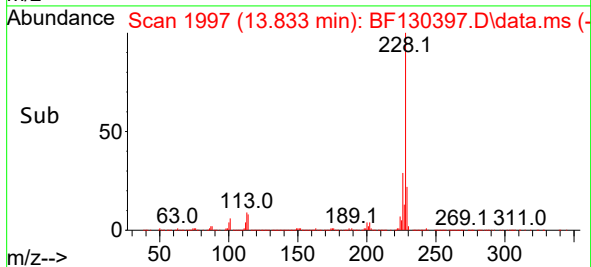
Tgt Ion:228 Resp: 443207
Ion Ratio Lower Upper
228 100
226 32.2 21.9 32.9
229 20.6 16.1 24.1

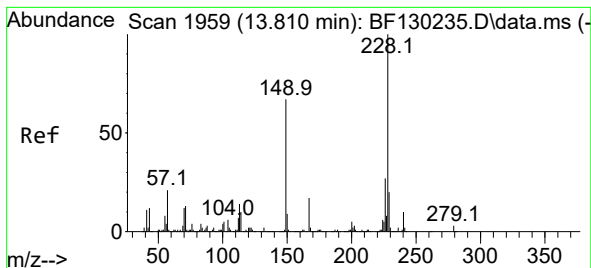


#83
Chrysene
Concen: 34.690 ng
RT: 13.833 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42



Tgt Ion:228 Resp: 422114
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.8
229 22.1 15.3 22.9

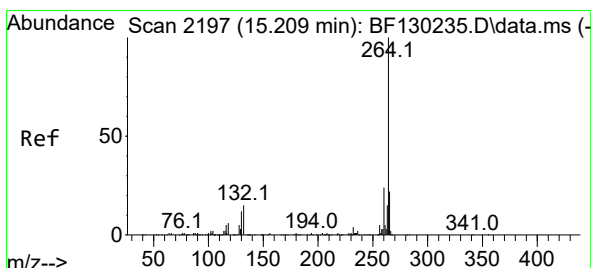
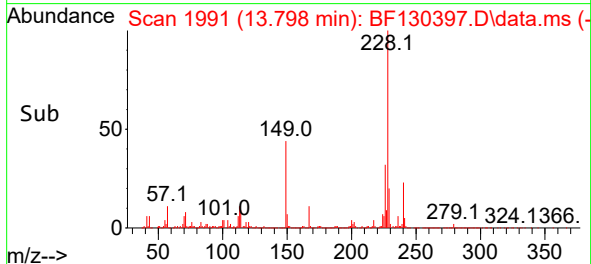
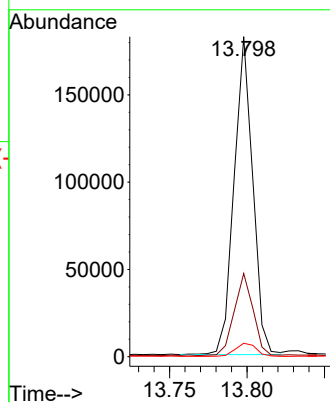
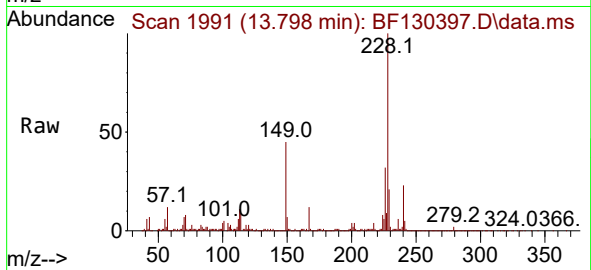




#84
Bis(2-ethylhexyl)phthalate
Concen: 21.276 ng
RT: 13.798 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

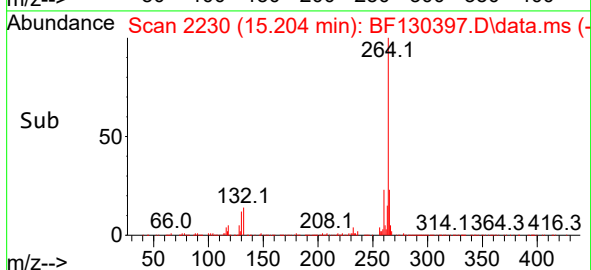
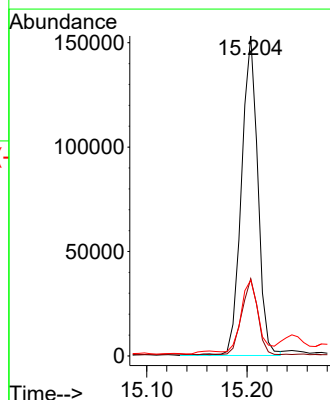
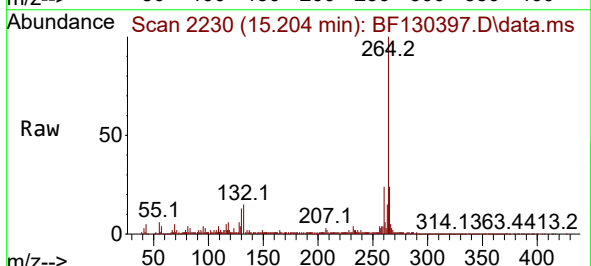
Instrument :
BNA_F
ClientSampleId :

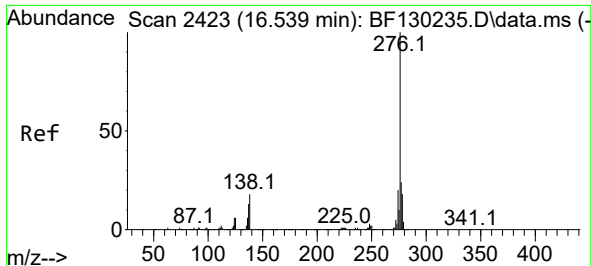
Tgt Ion:149 Resp: 152145
Ion Ratio Lower Upper
149 100
167 26.0 20.5 30.7
279 4.2 2.9 4.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.204 min Scan# 2230
Delta R.T. 0.018 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

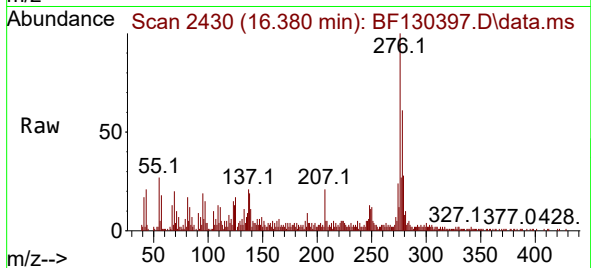
Tgt Ion:264 Resp: 173563
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 23.7 17.0 25.4



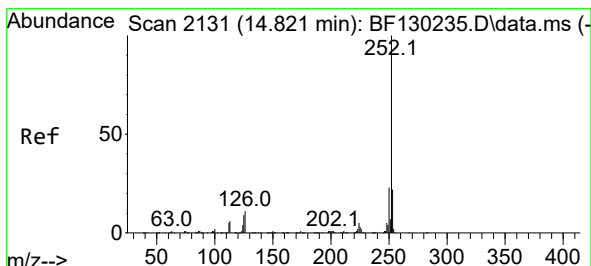
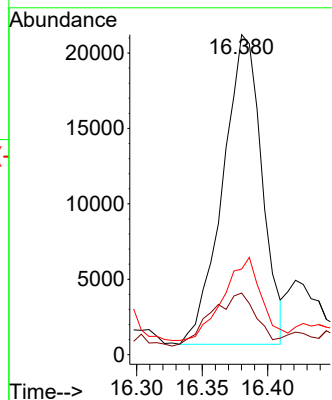
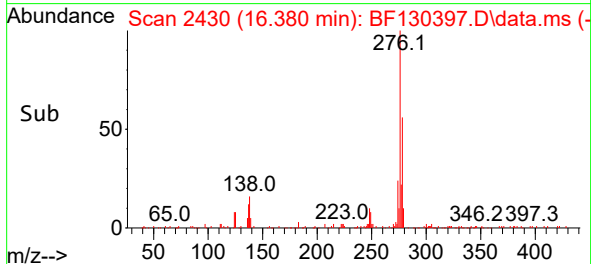


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.475 ng
 RT: 16.380 min Scan# 2423
 Delta R.T. -0.129 min
 Lab File: BF130397.D
 Acq: 23 Sep 2022 18:42

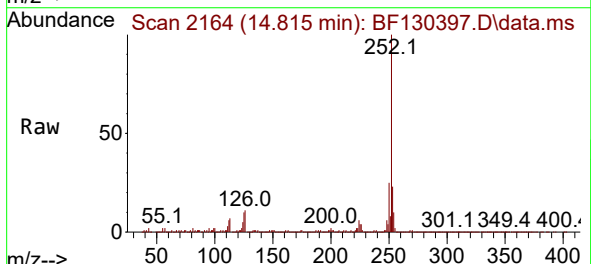
Instrument :
 BNA_F
 ClientSampleId :



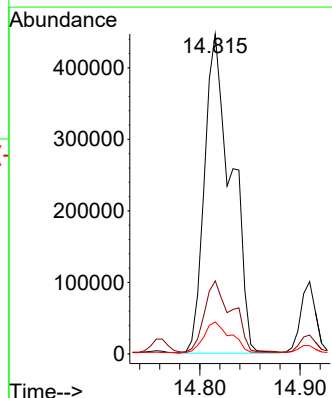
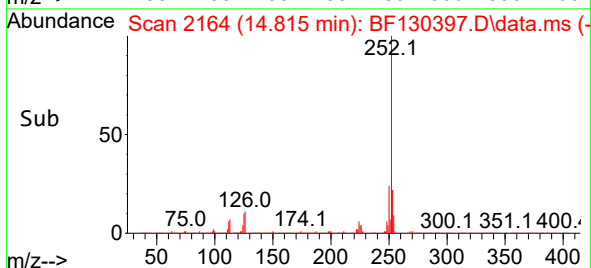
Tgt Ion:276 Resp: 42770
 Ion Ratio Lower Upper
 276 100
 138 20.1 18.5 27.7
 277 26.1 20.2 30.4

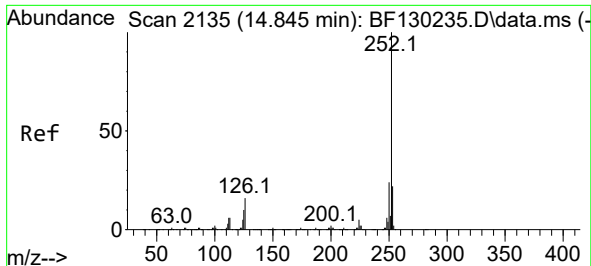


#88
 Benzo(b)fluoranthene
 Concen: 73.394 ng
 RT: 14.815 min Scan# 2164
 Delta R.T. 0.018 min
 Lab File: BF130397.D
 Acq: 23 Sep 2022 18:42



Tgt Ion:252 Resp: 831430
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.7 26.5
 125 10.0 8.1 12.1

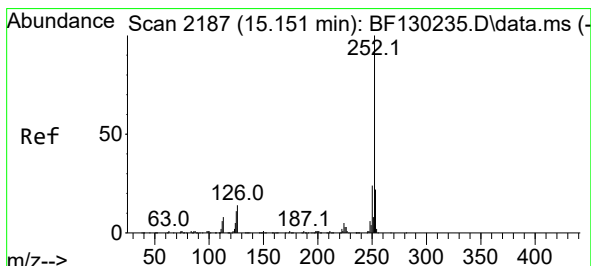
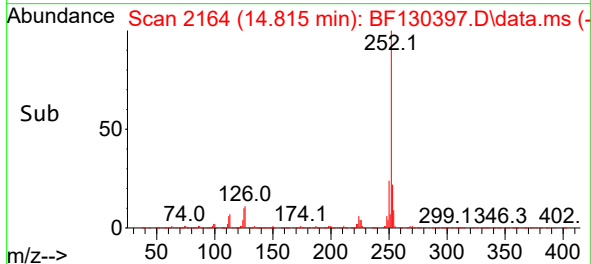
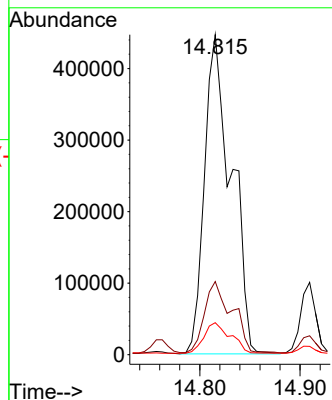
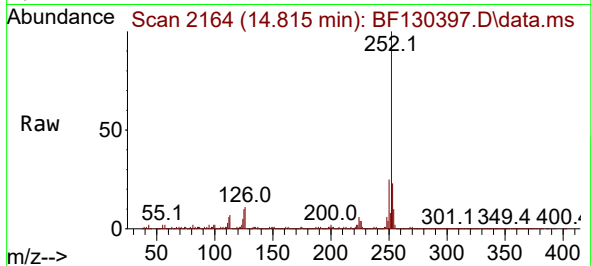




#89
Benzo(k)fluoranthene
Concen: 74.610 ng
RT: 14.815 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

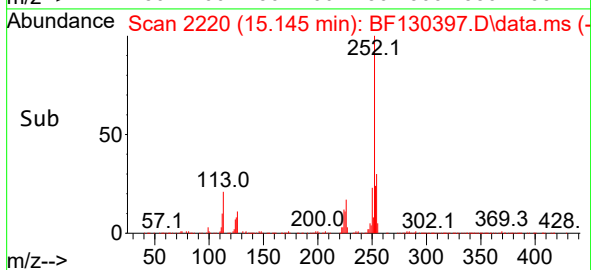
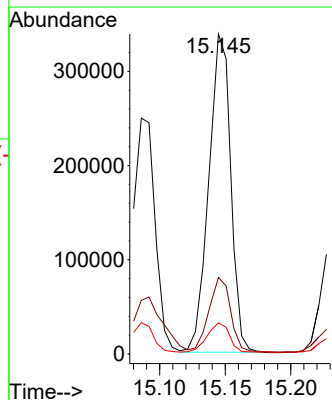
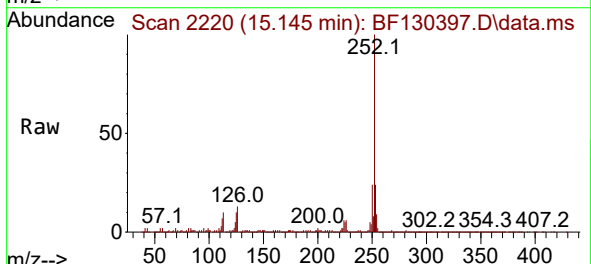
Instrument :
BNA_F
ClientSampleId :

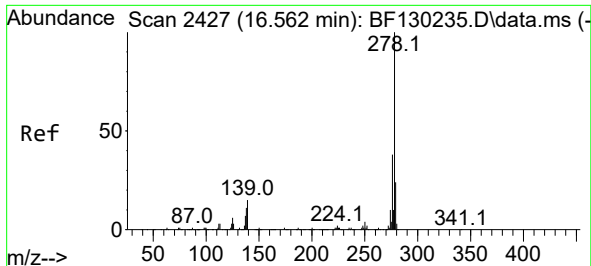
Tgt Ion:252 Resp: 831430
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 10.0 7.9 11.9



#90
Benzo(a)pyrene
Concen: 43.779 ng
RT: 15.145 min Scan# 2220
Delta R.T. 0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Tgt Ion:252 Resp: 392906
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 9.7 9.0 13.6

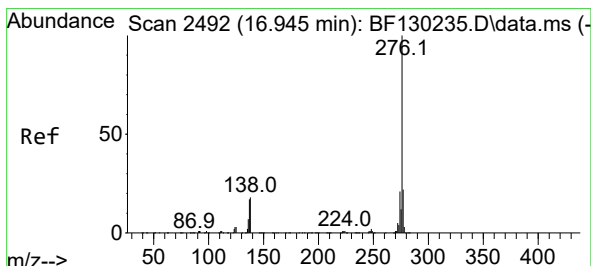
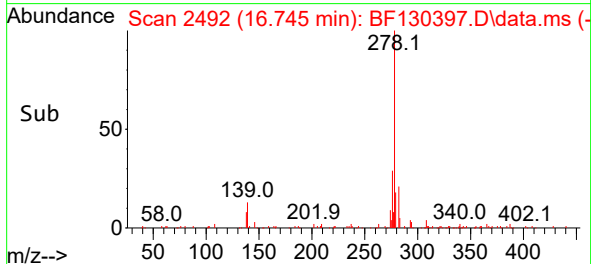
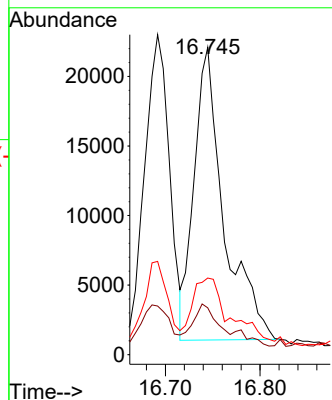
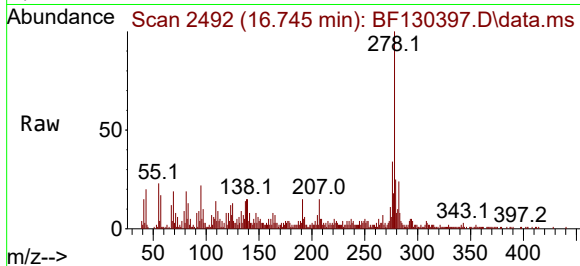




#91
Dibenzo(a,h)anthracene
Concen: 4.555 ng
RT: 16.745 min Scan# 2427
Delta R.T. 0.218 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 45996
Ion Ratio Lower Upper
278 100
139 15.2 11.8 17.8
279 25.0 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 21.733 ng
RT: 16.933 min Scan# 2524
Delta R.T. 0.024 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Tgt Ion:276 Resp: 221046
Ion Ratio Lower Upper
276 100
277 23.2 18.6 27.8
138 17.0 14.6 21.8

