

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092622\
 Data File : BF130417.D
 Acq On : 26 Sep 2022 20:20
 Operator : CG\JU
 Sample : N4809-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-0923

Quant Time: Sep 27 01:08:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 27 01:00:47 2022
 Response via : Initial Calibration

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

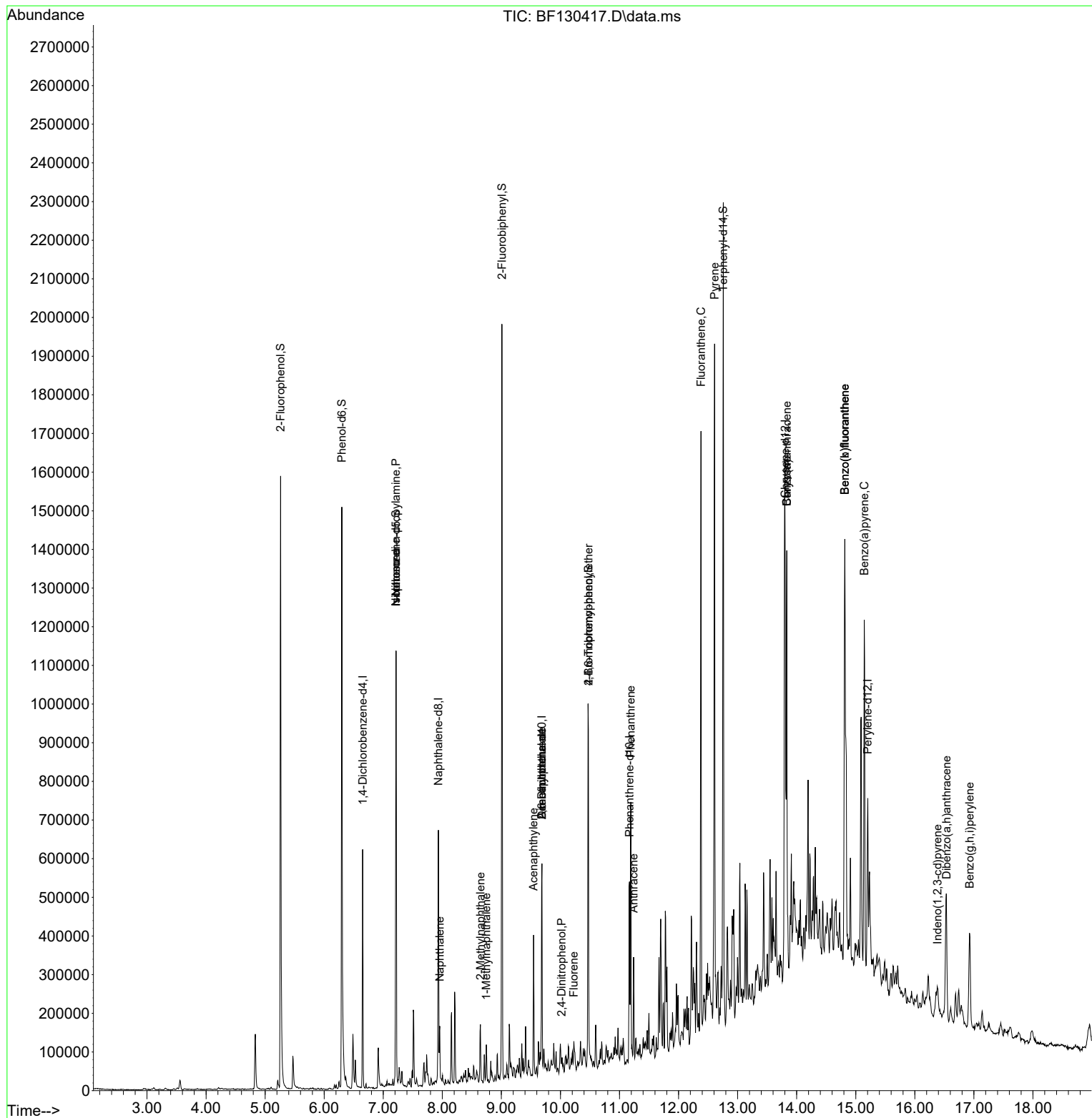
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.651	152	77551	20.000	ng	0.00
21) Naphthalene-d8	7.934	136	254636	20.000	ng	0.00
39) Acenaphthene-d10	9.686	164	109745	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	178485	20.000	ng	# 0.00
76) Chrysene-d12	13.804	240	205932	20.000	ng	0.00
86) Perylene-d12	15.204	264	180230	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	466884	104.421	ng	0.02
7) Phenol-d6	6.298	99	526526	94.115	ng	0.00
23) Nitrobenzene-d5	7.216	82	324672	65.140	ng	0.00
42) 2,4,6-Tribromophenol	10.475	330	115025	109.384	ng	0.00
45) 2-Fluorobiphenyl	9.010	172	524002	69.529	ng	0.00
79) Terphenyl-d14	12.757	244	611095	49.156	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.216	70	44255	11.723	ng	# 73
25) Isophorone	7.216	82	324672	40.415	ng	# 66
31) Naphthalene	7.957	128	52448	3.998	ng	98
37) 2-Methylnaphthalene	8.645	142	19191	2.294	ng	96
38) 1-Methylnaphthalene	8.745	142	19574	2.436	ng	90
49) Acenaphthylene	9.545	152	132897	13.369	ng	98
50) Dimethylphthalate	9.686	163	21110	2.785	ng	# 1
51) 2,6-Dinitrotoluene	9.686	165	15741	9.929	ng	# 18
54) 2,4-Dinitrophenol	10.022	184	70	6.329	ng	# 1
58) Fluorene	10.227	166	19278	2.595	ng	98
67) 4-Bromophenyl-phenylether	10.475	248	7021	3.566	ng	# 1
71) Phenanthrene	11.192	178	236371	23.588	ng	100
72) Anthracene	11.239	178	98632	10.199	ng	97
75) Fluoranthene	12.380	202	546929	56.483	ng	98
78) Pyrene	12.610	202	683061	37.916	ng	99
81) Benzo(a)anthracene	13.833	228	424425	30.981	ng	96
83) Chrysene	13.833	228	424425	32.629	ng	98
87) Indeno(1,2,3-cd)pyrene	16.386	276	39734	3.109	ng	92
88) Benzo(b)fluoranthene	14.815	252	757457	64.390	ng	99
89) Benzo(k)fluoranthene	14.815	252	757457	65.457	ng	98
90) Benzo(a)pyrene	15.145	252	399264	42.842	ng	97
91) Dibenzo(a,h)anthracene	16.539	278	60159	5.738	ng	94
92) Benzo(g,h,i)perylene	16.927	276	190942	18.078	ng	99

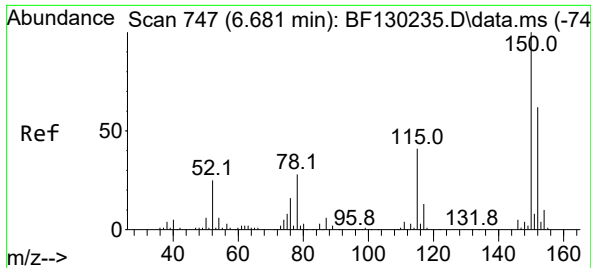
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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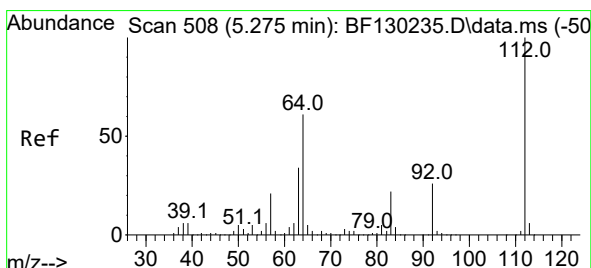
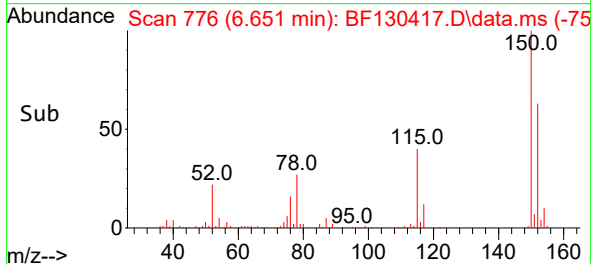
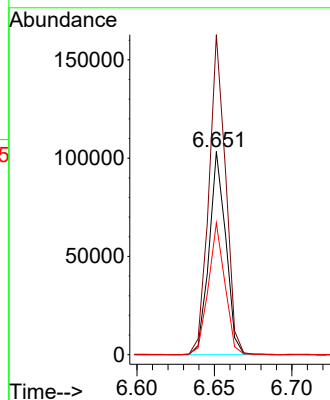
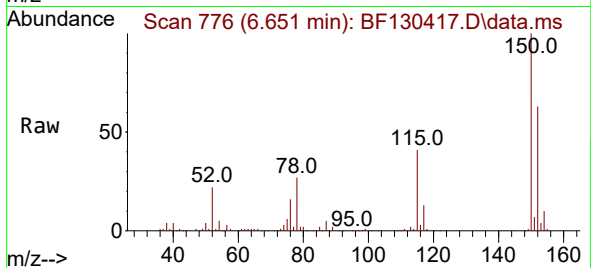




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.651 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

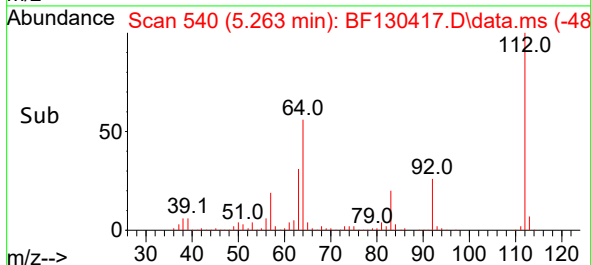
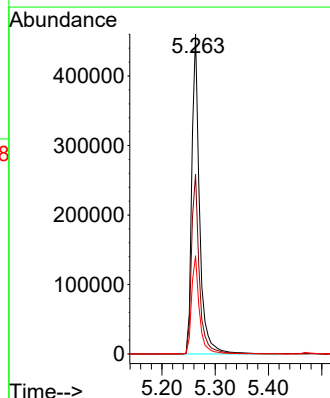
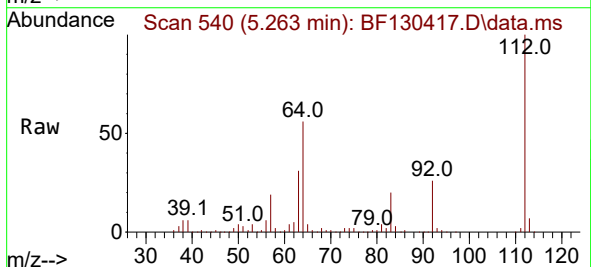
Instrument :
BNA_F
ClientSampleId :
TP1-0923

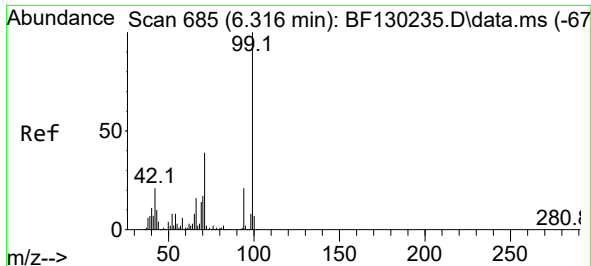
Tgt Ion:152 Resp: 77551
Ion Ratio Lower Upper
152 100
150 157.5 122.8 184.2
115 64.9 53.8 80.8



#5
2-Fluorophenol
Concen: 104.421 ng
RT: 5.263 min Scan# 540
Delta R.T. 0.018 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:112 Resp: 466884
Ion Ratio Lower Upper
112 100
64 56.2 51.4 77.0
63 30.7 28.8 43.2





#7
Phenol-d6
Concen: 94.115 ng
RT: 6.298 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

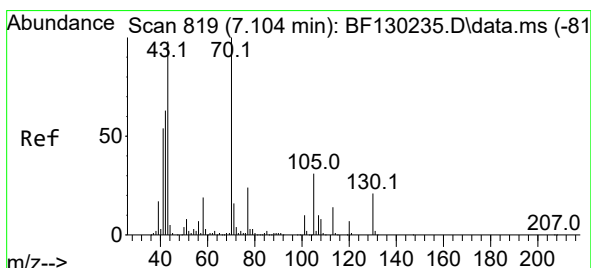
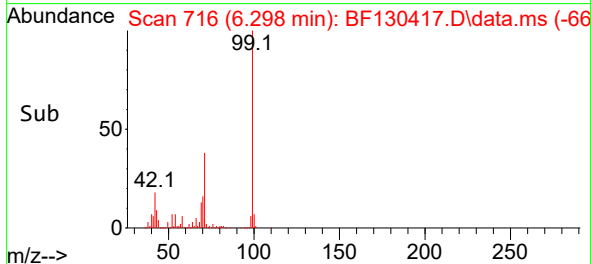
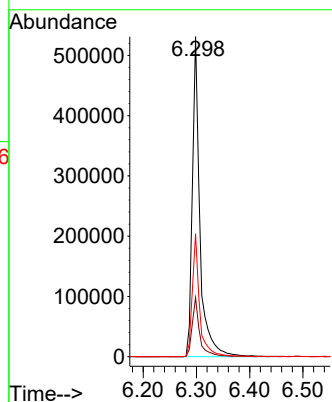
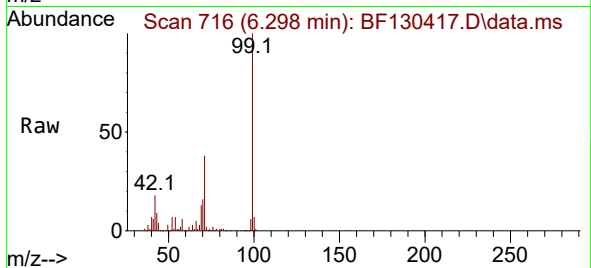
Instrument :

BNA_F

ClientSampleId :

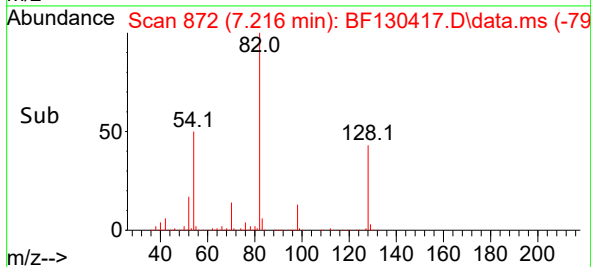
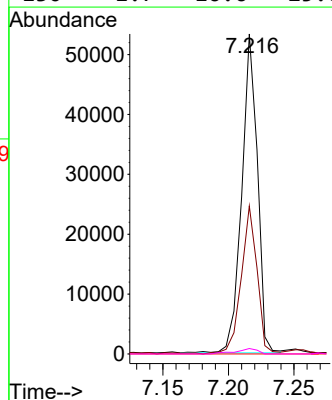
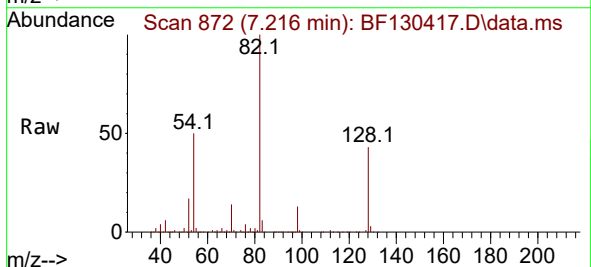
TP1-0923

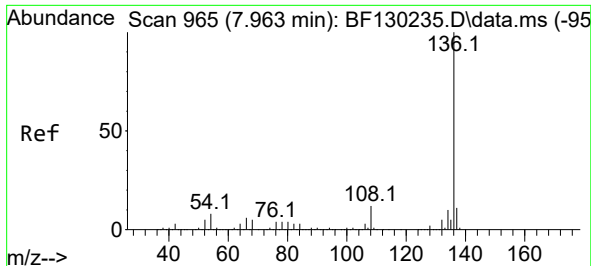
Tgt Ion: 99 Resp: 526526
Ion Ratio Lower Upper
99 100
42 18.4 17.0 25.6
71 38.4 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.723 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.141 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion: 70 Resp: 44255
Ion Ratio Lower Upper
70 100
42 46.3 50.8 76.2#
101 0.0 8.2 12.4#
130 1.7 16.6 25.0#

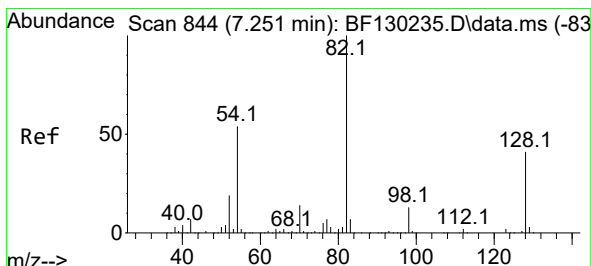
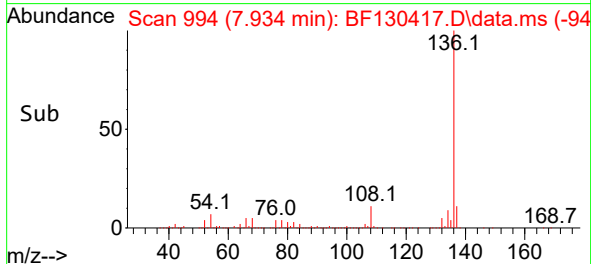
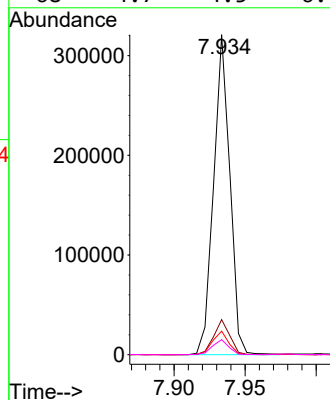
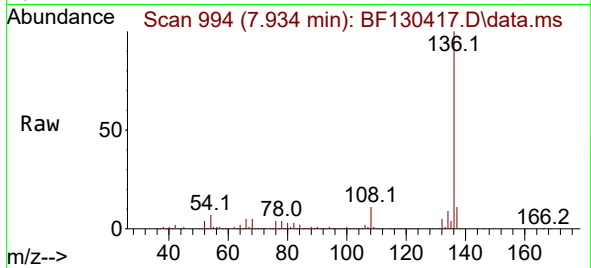




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.934 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

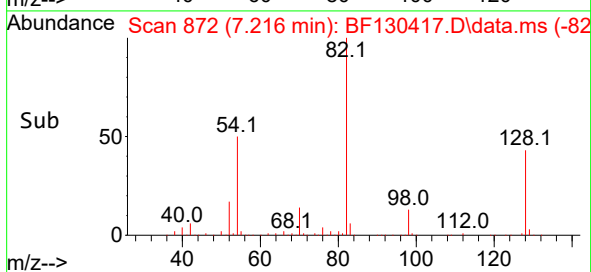
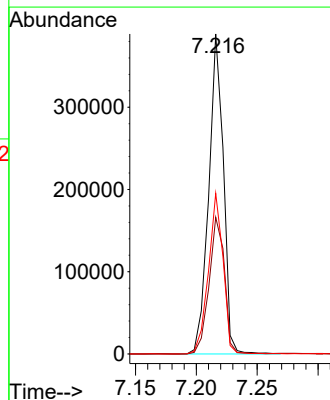
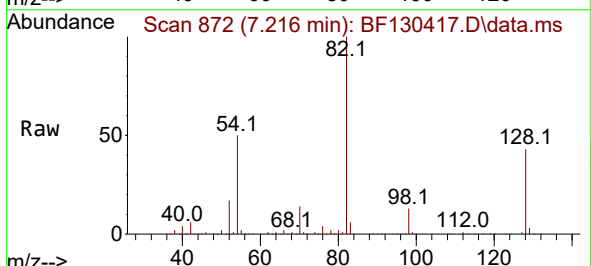
Instrument :
BNA_F
ClientSampleId :
TP1-0923

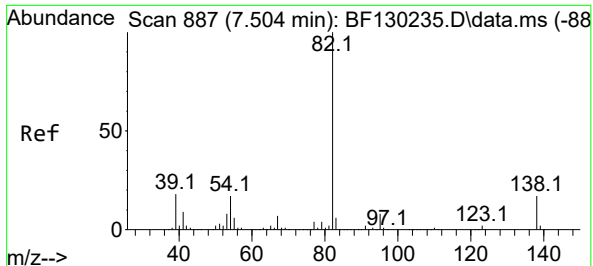
Tgt Ion:136	Resp:	254636
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.1 13.7
54	7.3	7.1 10.7
68	4.7	4.5 6.7



#23
Nitrobenzene-d5
Concen: 65.140 ng
RT: 7.216 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion: 82	Resp:	324672
Ion	Ratio	Lower Upper
82	100	
128	42.7	32.6 49.0
54	50.2	43.8 65.6

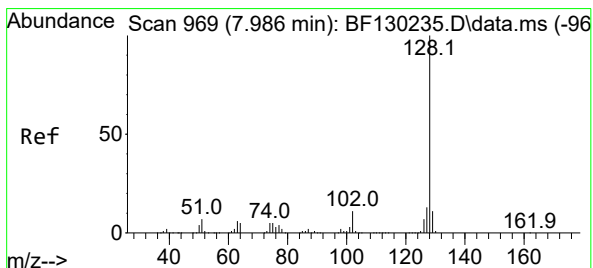
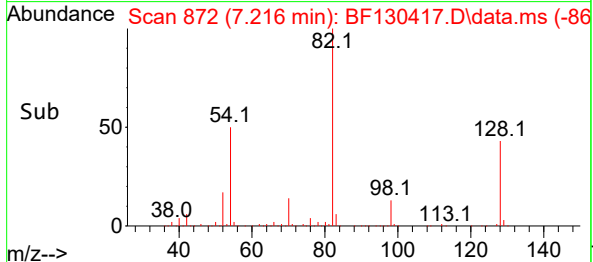
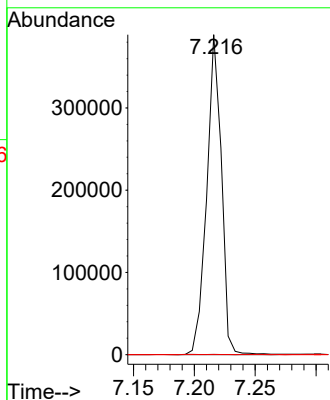
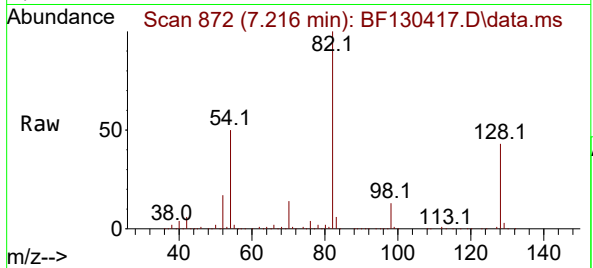




#25
Isophorone
Concen: 40.415 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

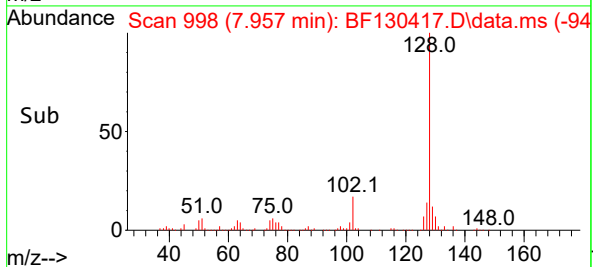
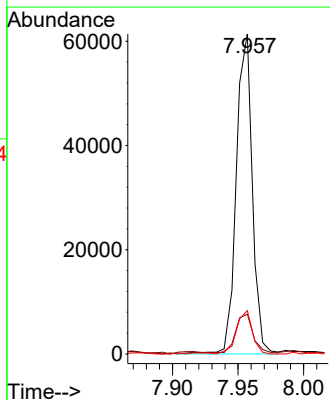
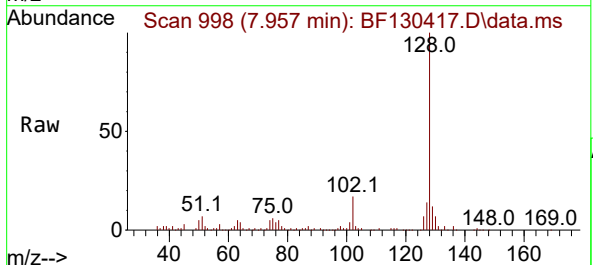
Instrument :
BNA_F
ClientSampleId :
TP1-0923

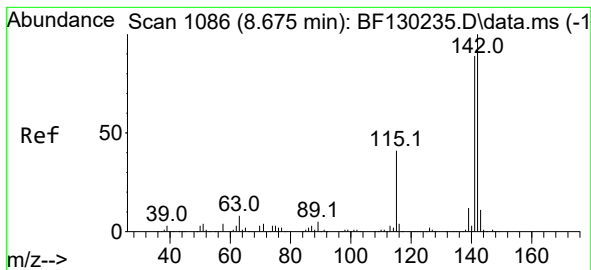
Tgt Ion: 82 Resp: 324672
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 13.8 20.6#



#31
Naphthalene
Concen: 3.998 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion: 128 Resp: 52448
Ion Ratio Lower Upper
128 100
129 12.4 9.1 13.7
127 13.6 10.6 16.0





#37

2-Methylnaphthalene

Concen: 2.294 ng

RT: 8.645 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

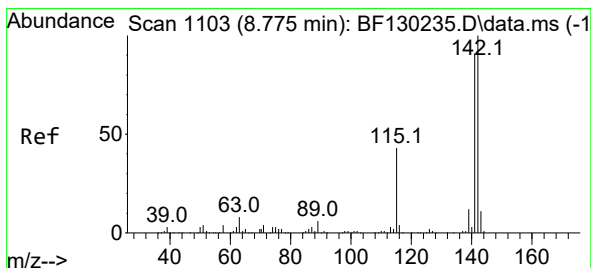
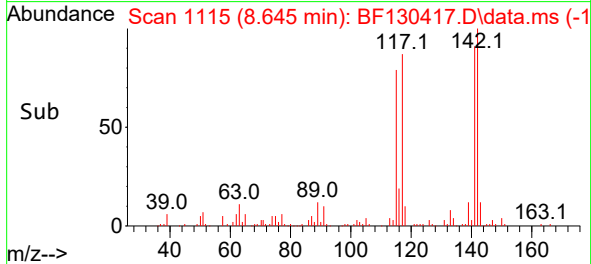
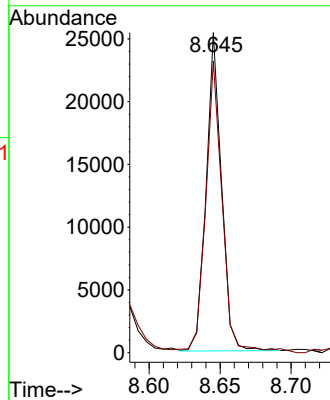
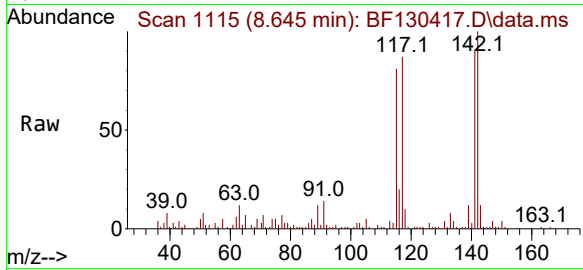
TP1-0923

Tgt Ion:142 Resp: 19191

Ion Ratio Lower Upper

142 100

141 91.2 70.0 105.0



#38

1-Methylnaphthalene

Concen: 2.436 ng

RT: 8.745 min Scan# 1132

Delta R.T. -0.000 min

Lab File: BF130417.D

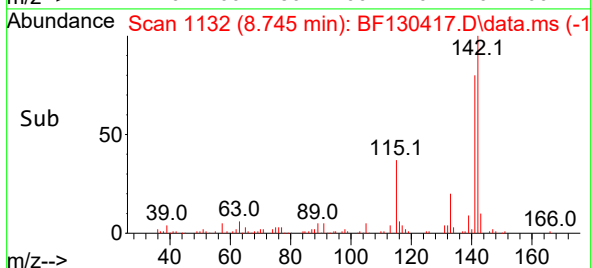
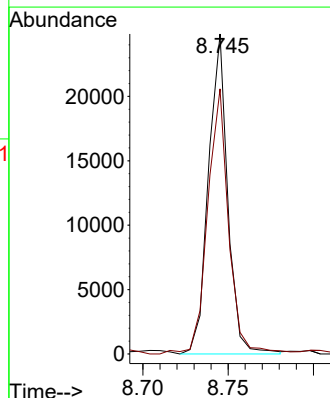
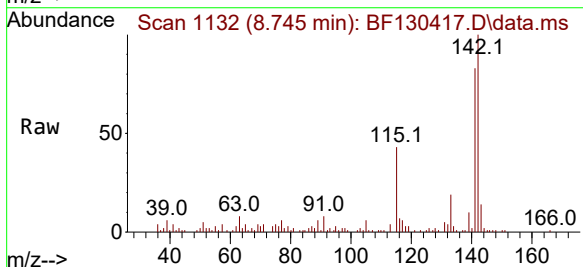
Acq: 26 Sep 2022 20:20

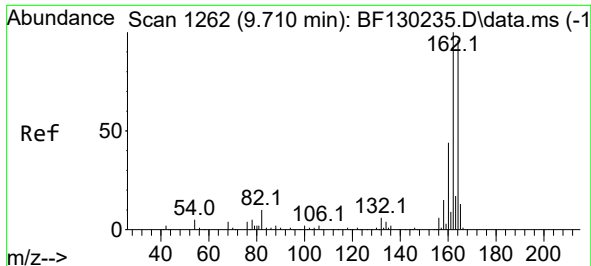
Tgt Ion:142 Resp: 19574

Ion Ratio Lower Upper

142 100

141 82.9 73.8 110.8

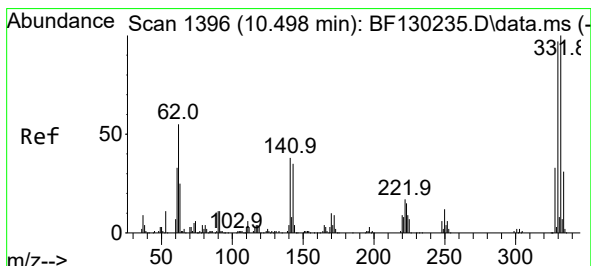
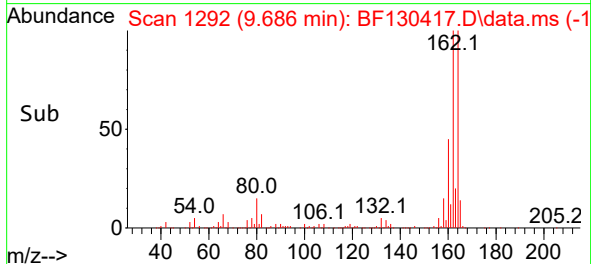
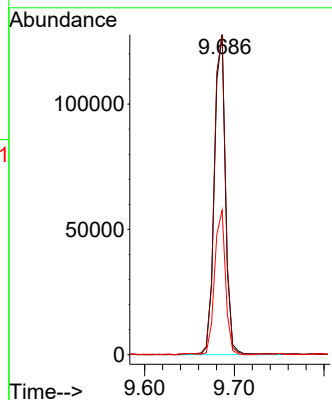
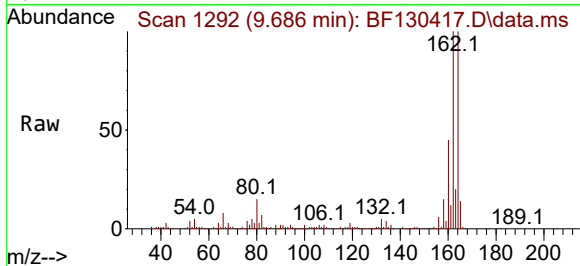




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

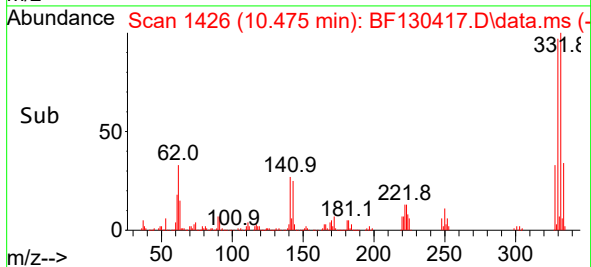
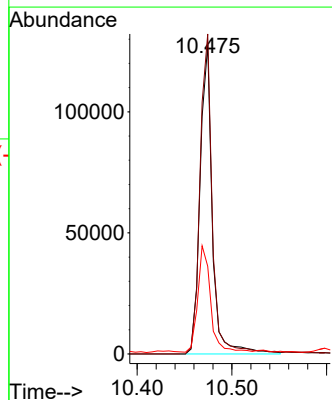
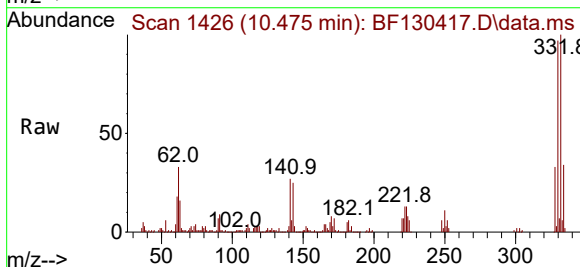
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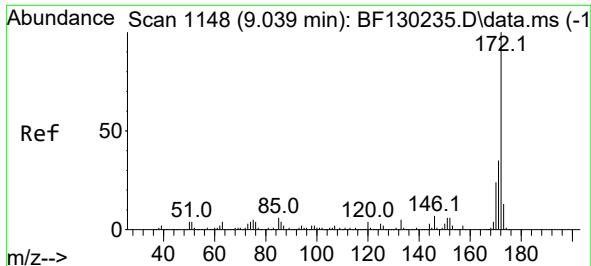
Tgt Ion:164 Resp: 109745
Ion Ratio Lower Upper
164 100
162 100.0 81.4 122.0
160 45.1 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 109.384 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:330 Resp: 115025
Ion Ratio Lower Upper
330 100
332 104.3 83.4 125.2
141 35.4 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 69.529 ng

RT: 9.010 min Scan# 1177

Delta R.T. -0.006 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP1-0923

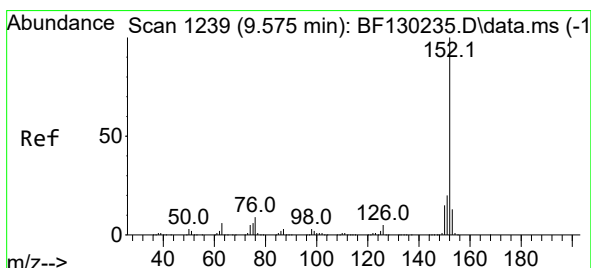
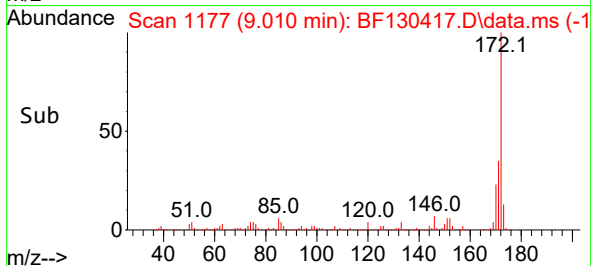
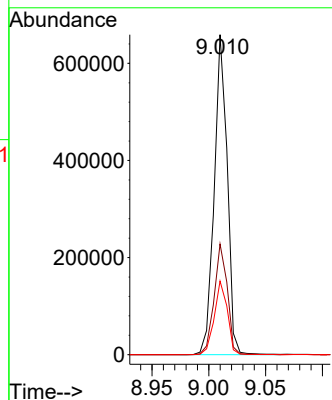
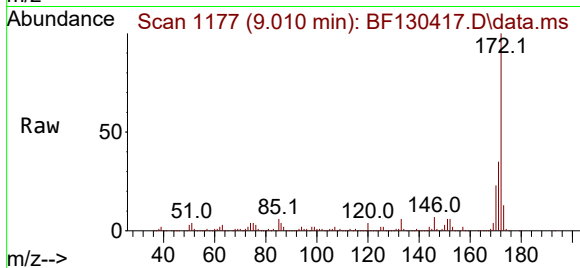
Tgt Ion:172 Resp: 524002

Ion Ratio Lower Upper

172 100

171 34.6 28.3 42.5

170 23.0 18.7 28.1



#49

Acenaphthylene

Concen: 13.369 ng

RT: 9.545 min Scan# 1268

Delta R.T. -0.006 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

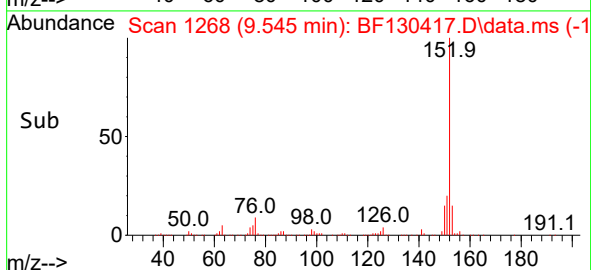
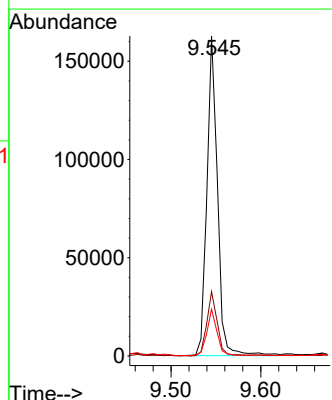
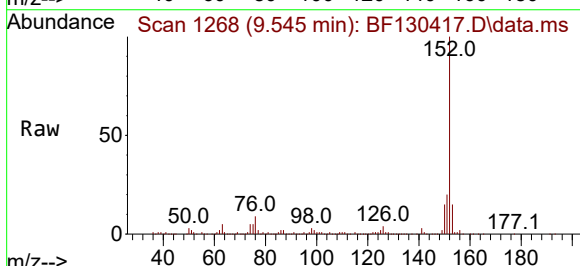
Tgt Ion:152 Resp: 132897

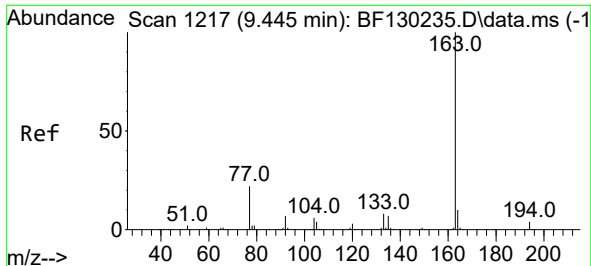
Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 14.6 10.6 15.8

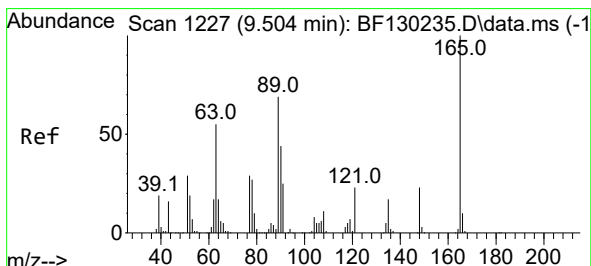
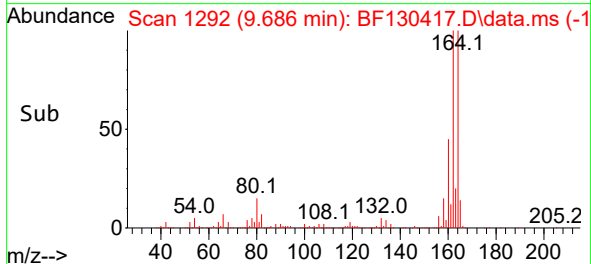
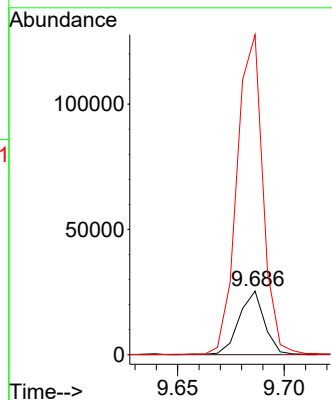
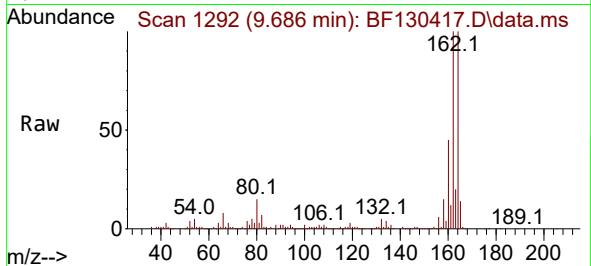




#50
Dimethylphthalate
Concen: 2.785 ng
RT: 9.686 min Scan# 1217
Delta R.T. 0.265 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

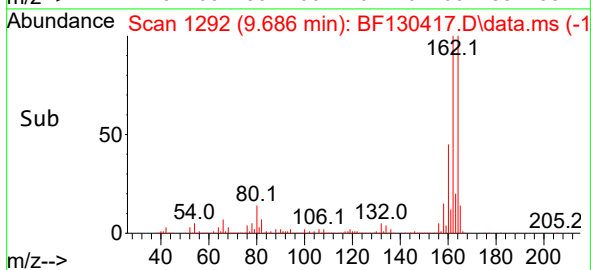
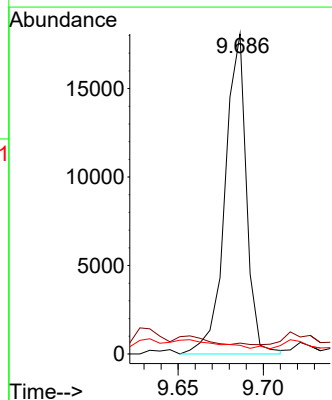
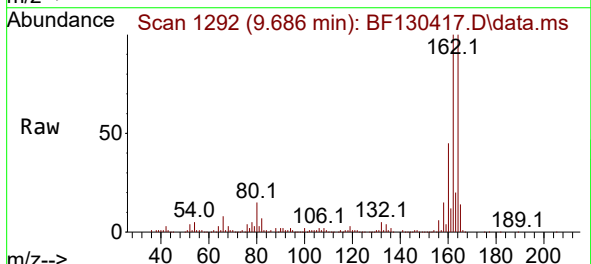
Instrument :
BNA_F
ClientSampleId :
TP1-0923

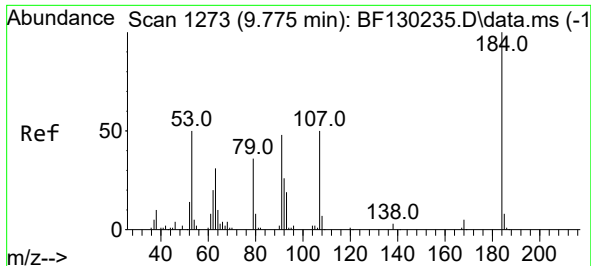
Tgt Ion:163 Resp: 21110
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 503.7 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 9.929 ng
RT: 9.686 min Scan# 1292
Delta R.T. 0.200 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:165 Resp: 15741
Ion Ratio Lower Upper
165 100
63 3.4 58.8 88.2#
89 2.7 54.5 81.7#

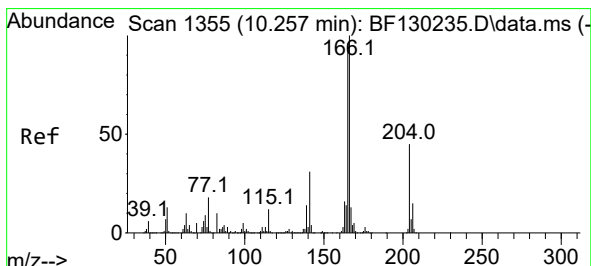
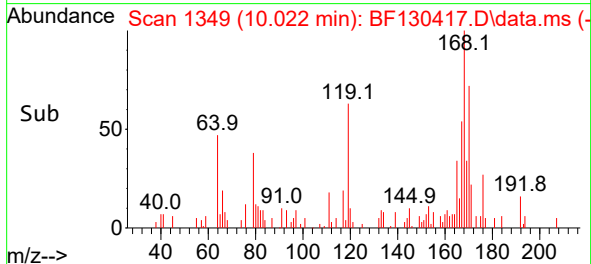
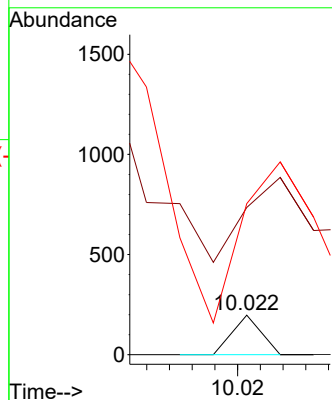
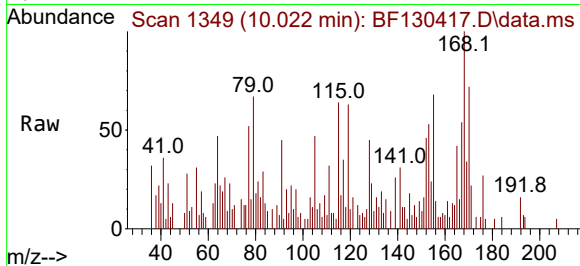




#54
2,4-Dinitrophenol
Concen: 6.329 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

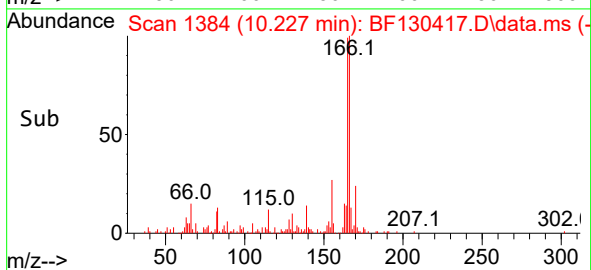
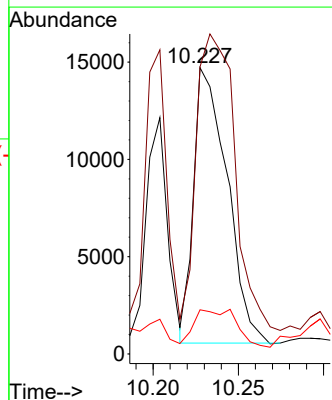
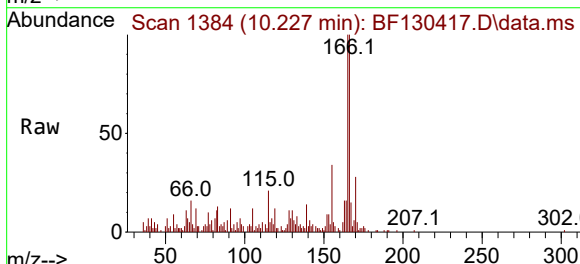
Instrument :
BNA_F
ClientSampleId :
TP1-0923

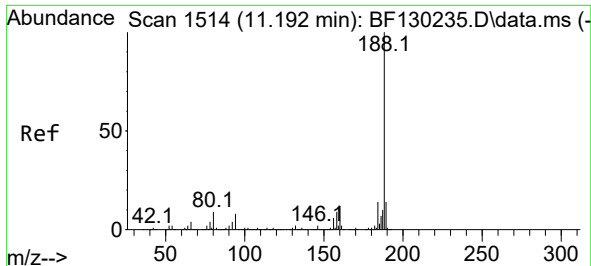
Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 373.1 70.0 105.0#
154 382.7 63.0 94.6#



#58
Fluorene
Concen: 2.595 ng
RT: 10.227 min Scan# 1384
Delta R.T. -0.012 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:166 Resp: 19278
Ion Ratio Lower Upper
166 100
165 100.3 78.8 118.2
167 15.4 10.6 15.8

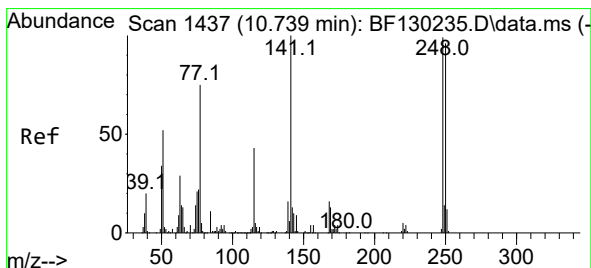
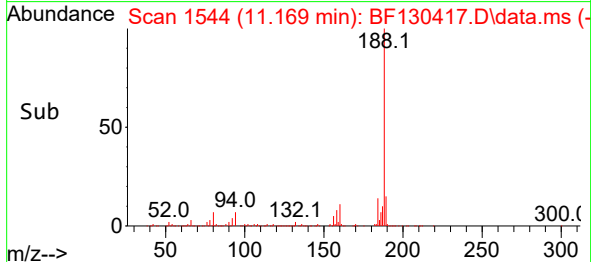
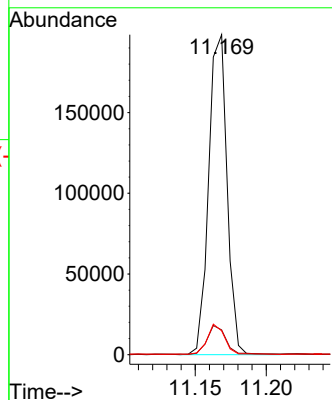
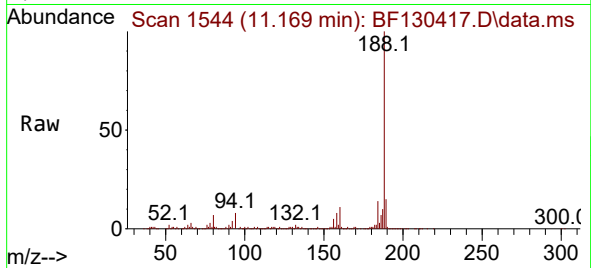




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

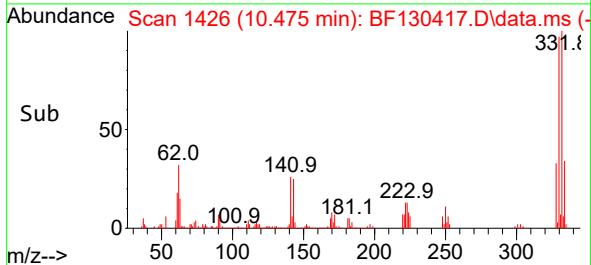
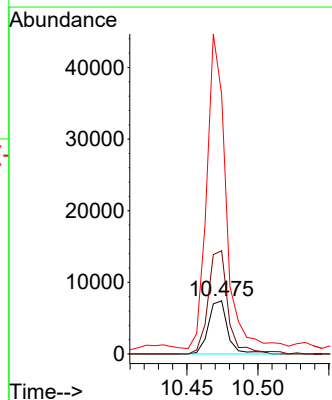
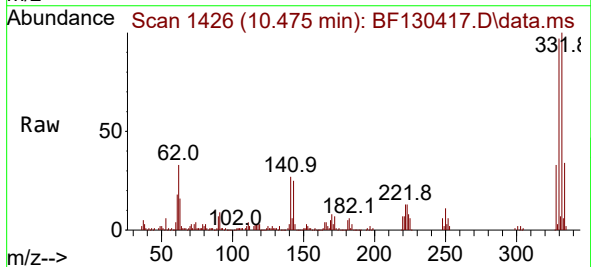
Instrument :
BNA_F
ClientSampleId :
TP1-0923

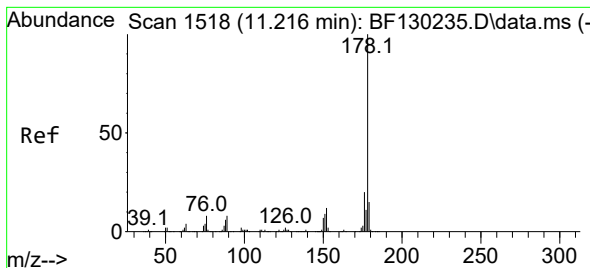
Tgt Ion:188 Resp: 178485
Ion Ratio Lower Upper
188 100
94 7.7 7.4 11.2
80 7.4 7.9 11.9#



#67
4-Bromophenyl-phenylether
Concen: 3.566 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.247 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:248 Resp: 7021
Ion Ratio Lower Upper
248 100
250 194.2 80.0 120.0#
141 488.1 68.5 102.7#





#71

Phenanthrene

Concen: 23.588 ng

RT: 11.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP1-0923

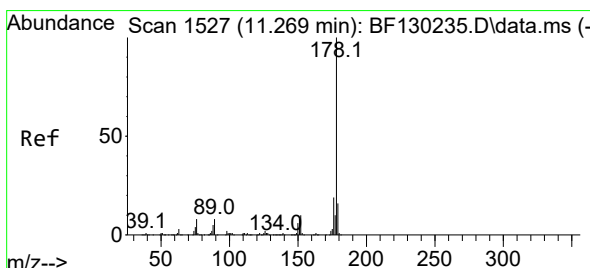
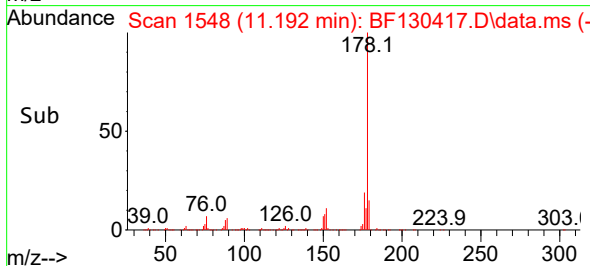
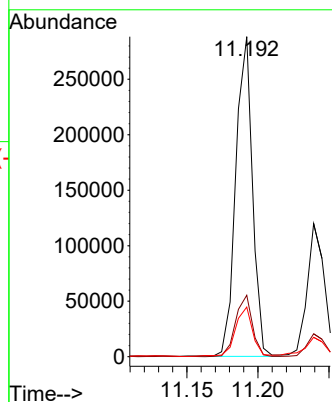
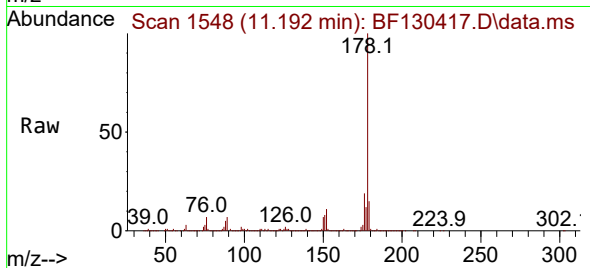
Tgt Ion:178 Resp: 236371

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.5 12.4 18.6



#72

Anthracene

Concen: 10.199 ng

RT: 11.239 min Scan# 1556

Delta R.T. -0.006 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

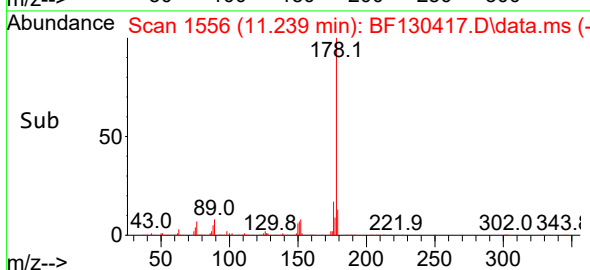
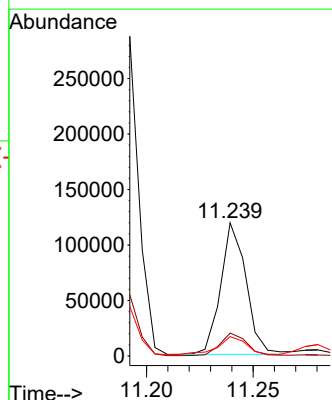
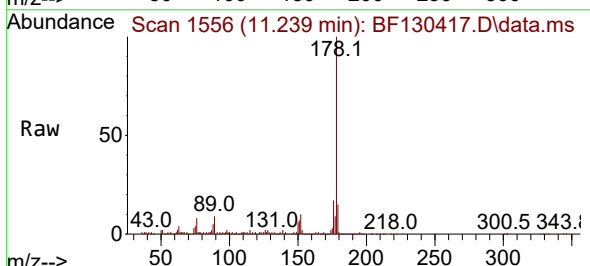
Tgt Ion:178 Resp: 98632

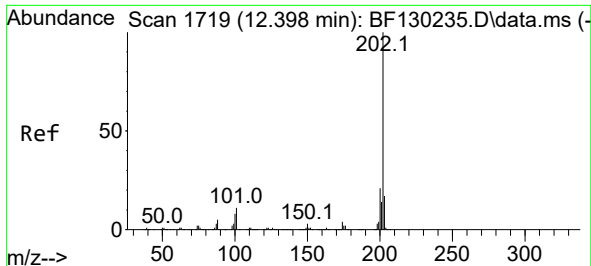
Ion Ratio Lower Upper

178 100

176 17.2 15.0 22.6

179 14.5 12.7 19.1

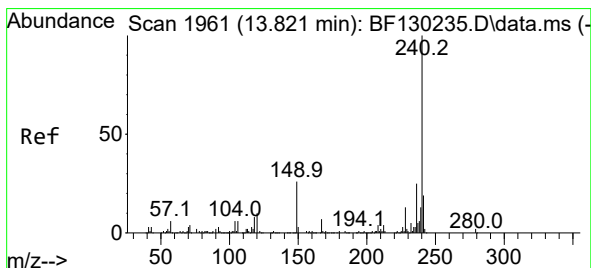
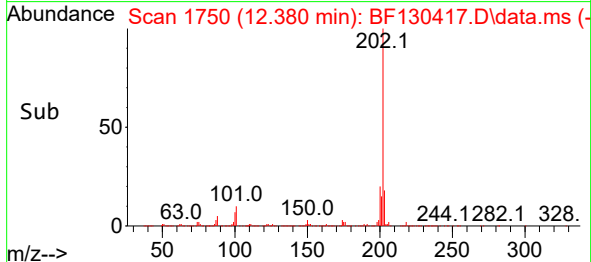
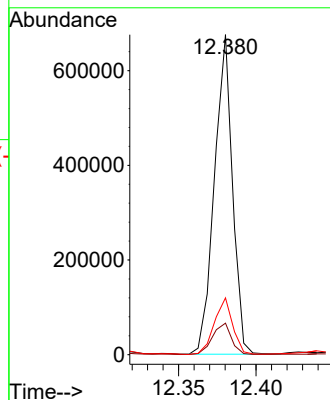
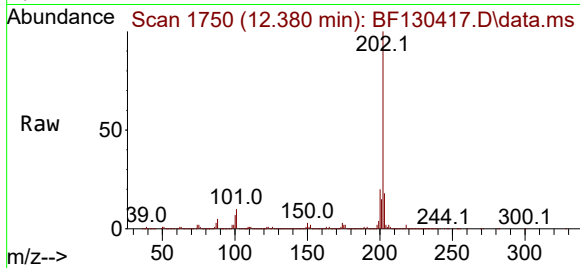




#75
Fluoranthene
Concen: 56.483 ng
RT: 12.380 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

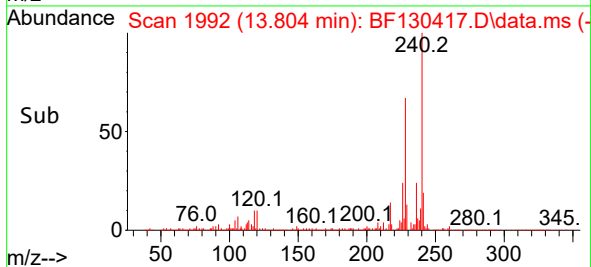
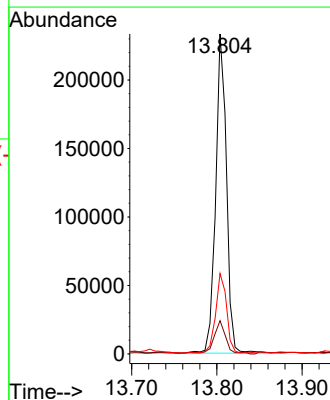
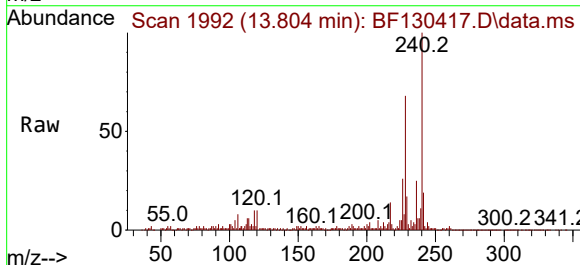
Instrument :
BNA_F
ClientSampleId :
TP1-0923

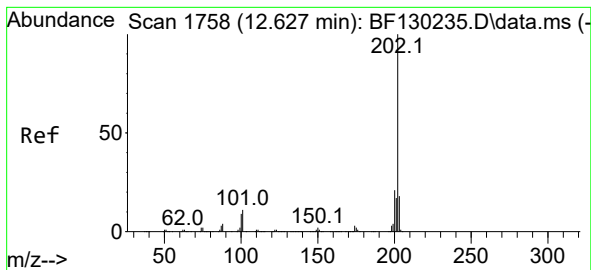
Tgt Ion:202 Resp: 546929
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.8
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.804 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:240 Resp: 205932
Ion Ratio Lower Upper
240 100
120 10.4 8.7 13.1
236 25.1 20.9 31.3





#78

Pyrene

Concen: 37.916 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP1-0923

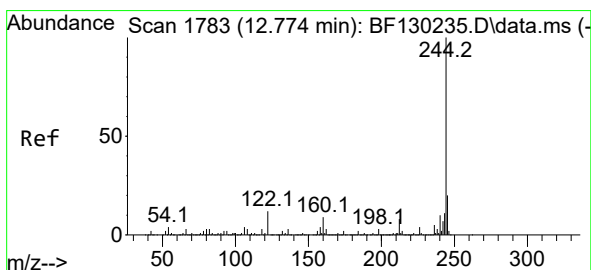
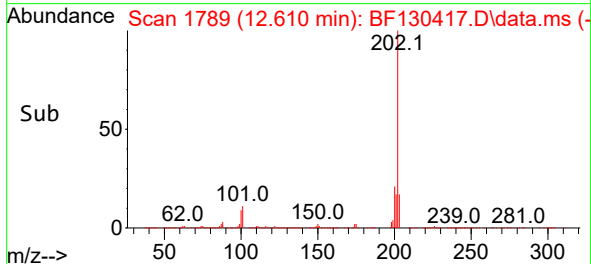
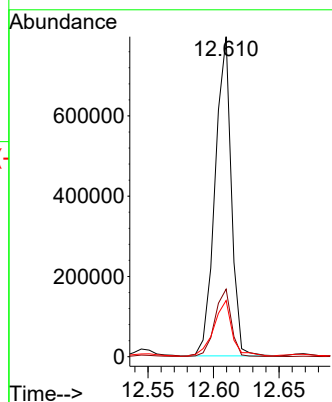
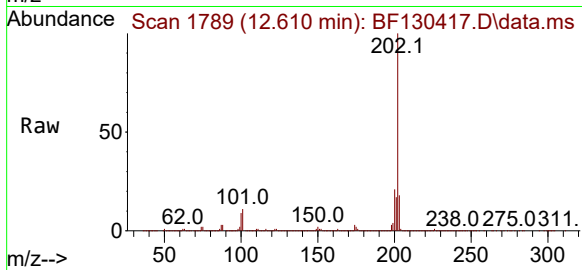
Tgt Ion:202 Resp: 683061

Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 17.6 14.3 21.5



#79

Terphenyl-d14

Concen: 49.156 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.000 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

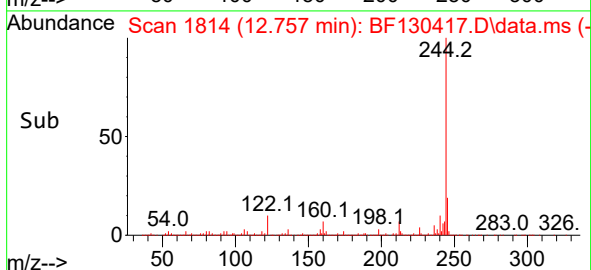
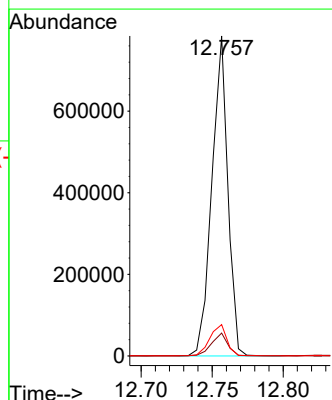
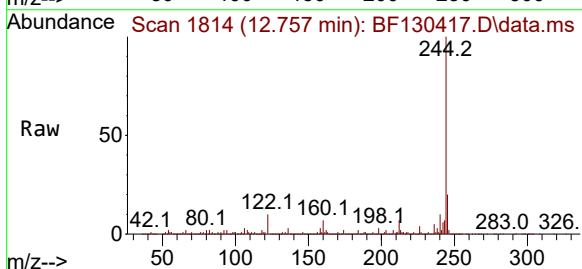
Tgt Ion:244 Resp: 611095

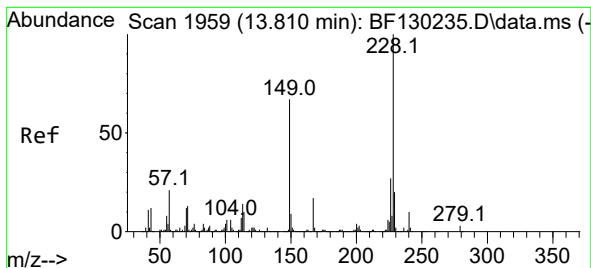
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 9.8 8.5 12.7





#81

Benzo(a)anthracene

Concen: 30.981 ng

RT: 13.833 min Scan# 1959

Delta R.T. 0.041 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP1-0923

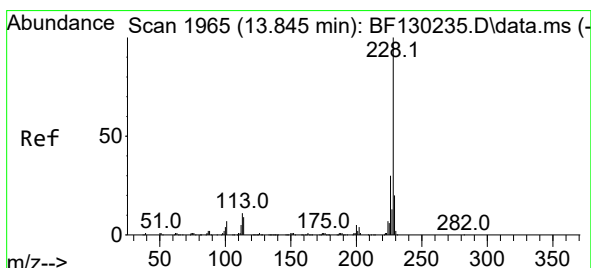
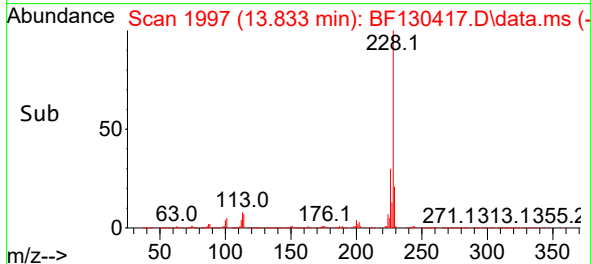
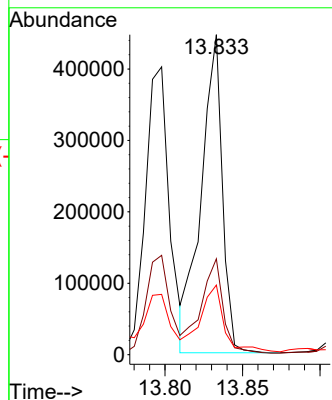
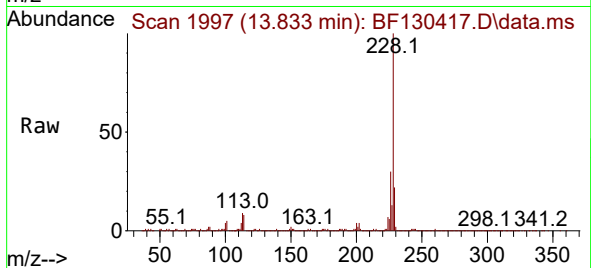
Tgt Ion:228 Resp: 424425

Ion Ratio Lower Upper

228 100

226 29.9 21.9 32.9

229 21.8 16.1 24.1



#83

Chrysene

Concen: 32.629 ng

RT: 13.833 min Scan# 1997

Delta R.T. -0.000 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

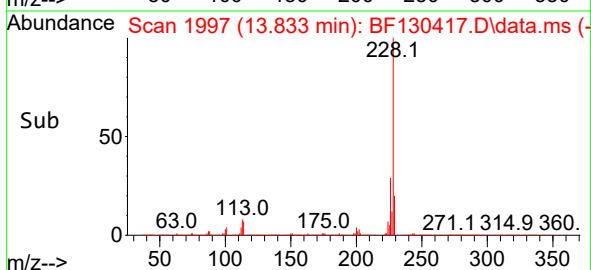
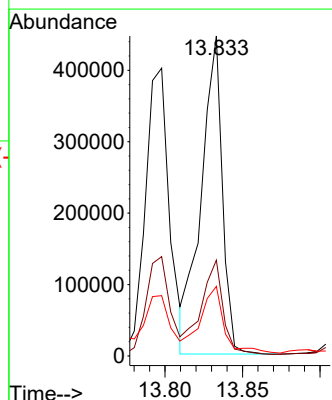
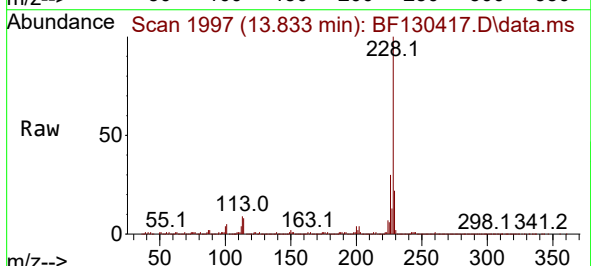
Tgt Ion:228 Resp: 424425

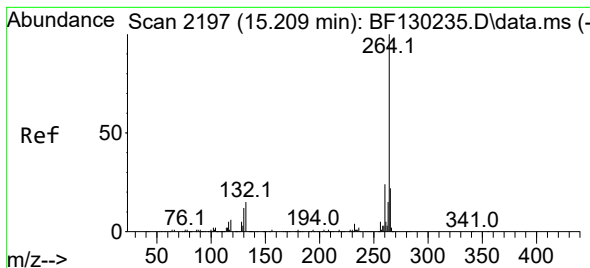
Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 21.8 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.204 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP1-0923

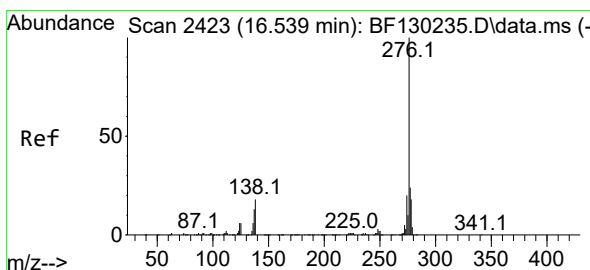
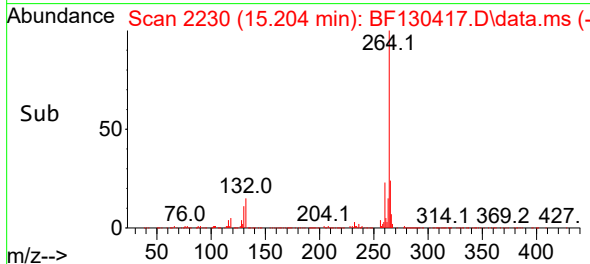
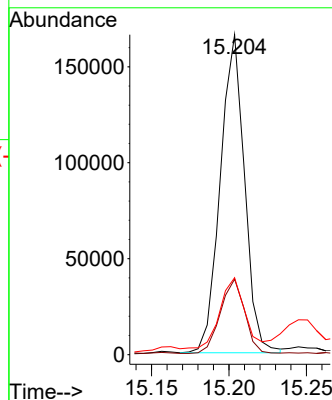
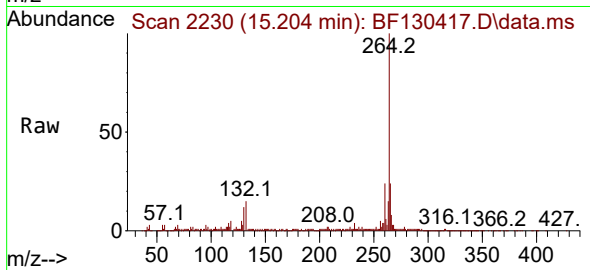
Tgt Ion:264 Resp: 180230

Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 24.0 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.109 ng

RT: 16.386 min Scan# 2431

Delta R.T. -0.141 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

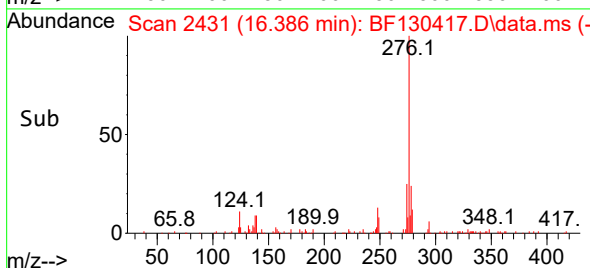
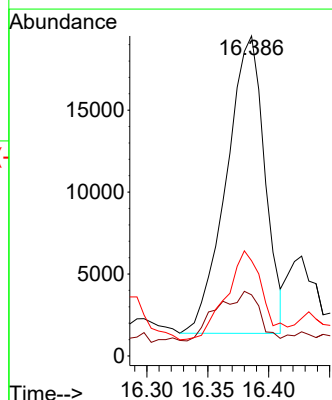
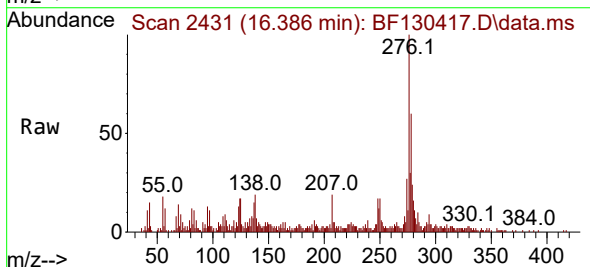
Tgt Ion:276 Resp: 39734

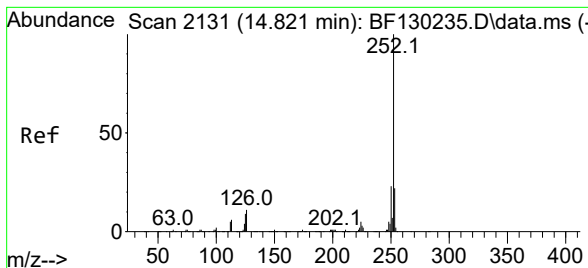
Ion Ratio Lower Upper

276 100

138 18.6 18.5 27.7

277 28.6 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 64.390 ng

RT: 14.815 min Scan# 2164

Delta R.T. 0.012 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP1-0923

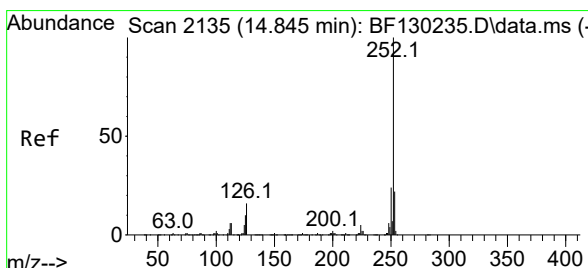
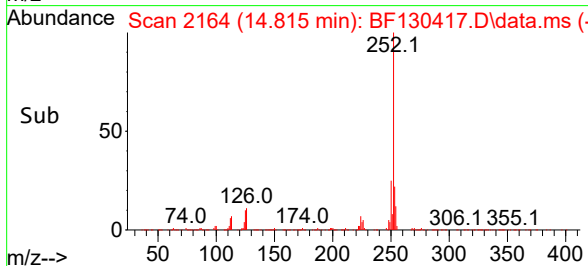
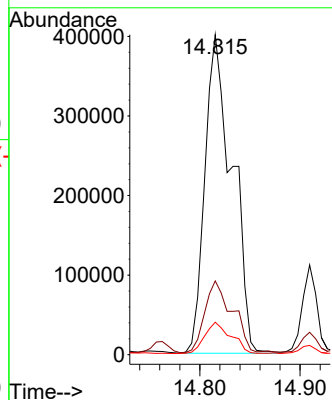
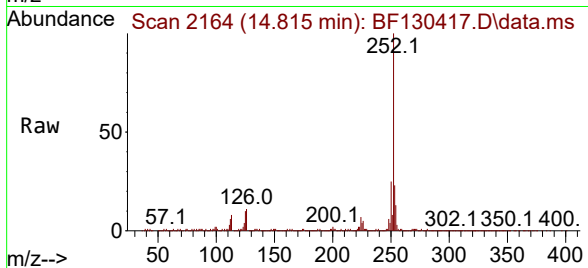
Tgt Ion:252 Resp: 757457

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 10.1 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 65.457 ng

RT: 14.815 min Scan# 2164

Delta R.T. -0.018 min

Lab File: BF130417.D

Acq: 26 Sep 2022 20:20

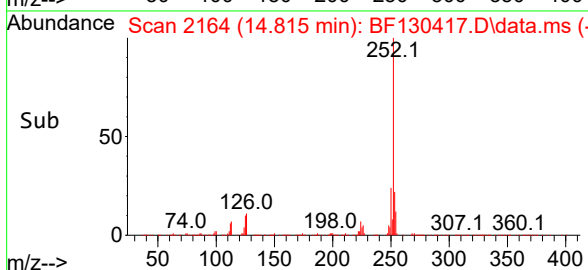
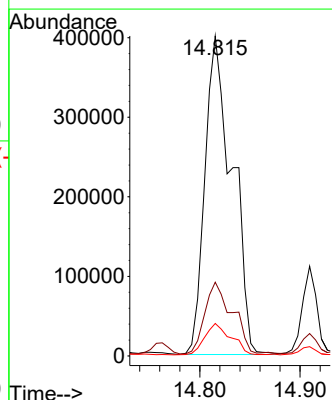
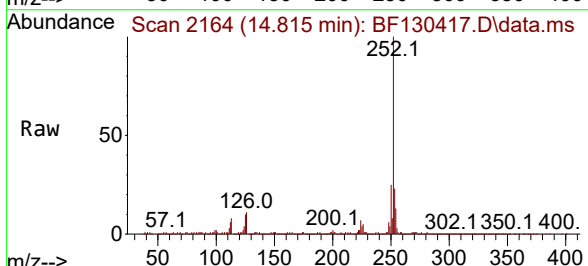
Tgt Ion:252 Resp: 757457

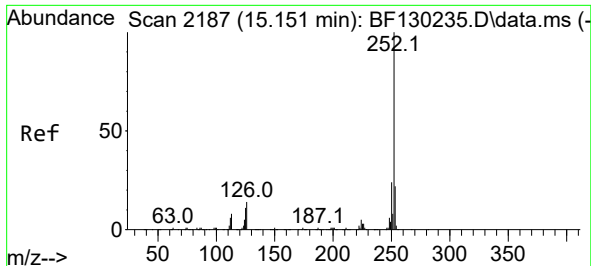
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 10.1 7.9 11.9

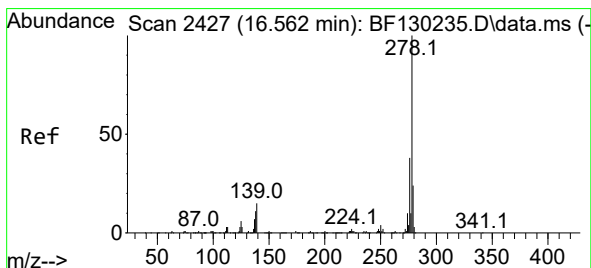
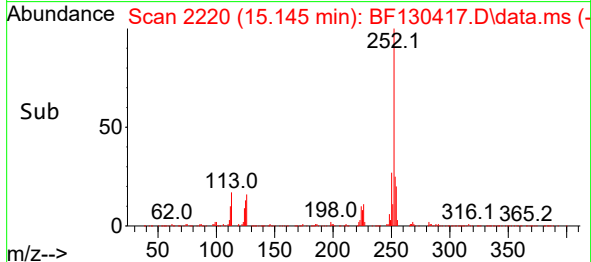
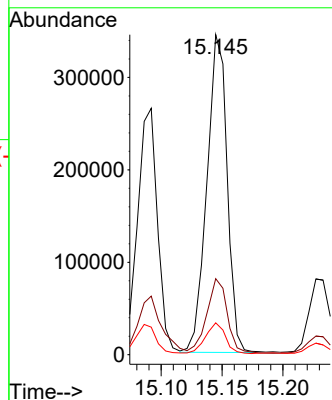
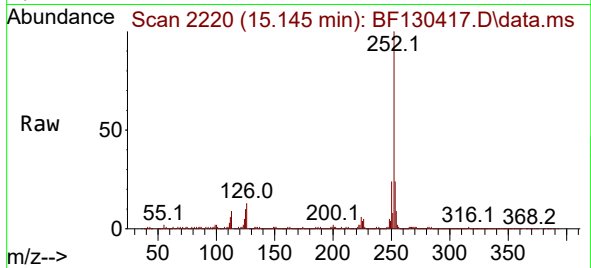




#90
Benzo(a)pyrene
Concen: 42.842 ng
RT: 15.145 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

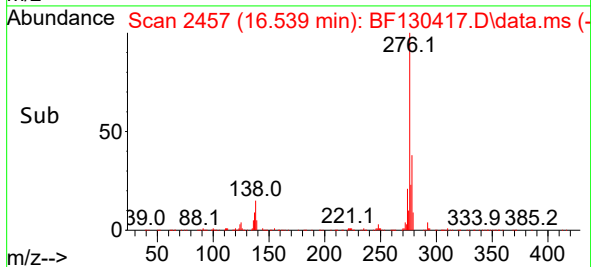
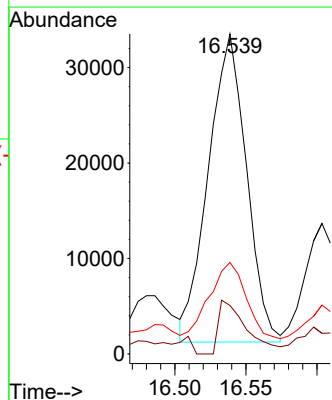
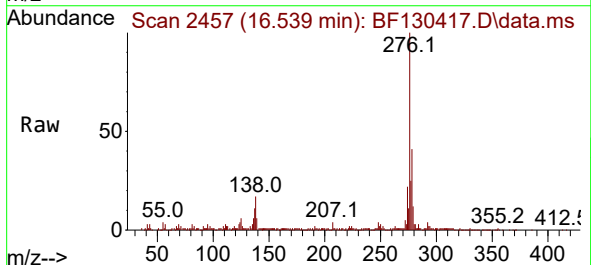
Instrument :
BNA_F
ClientSampleId :
TP1-0923

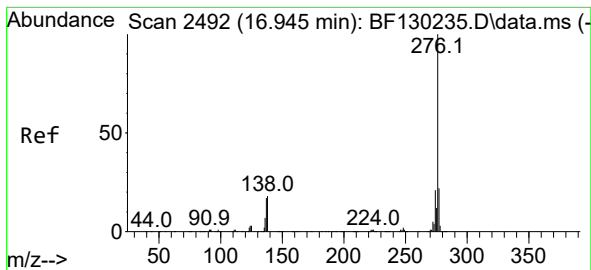
Tgt Ion:252 Resp: 399264
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 9.9 9.0 13.6



#91
Dibenzo(a,h)anthracene
Concen: 5.738 ng
RT: 16.539 min Scan# 2457
Delta R.T. -0.006 min
Lab File: BF130417.D
Acq: 26 Sep 2022 20:20

Tgt Ion:278 Resp: 60159
Ion Ratio Lower Upper
278 100
139 15.2 11.8 17.8
279 28.6 19.4 29.0





#92

Benzo(g,h,i)perylene

Concen: 18.078 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130417.D

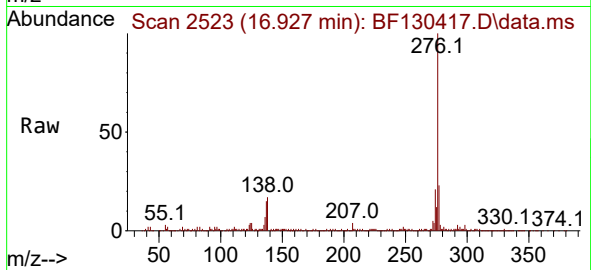
Acq: 26 Sep 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP1-0923



Tgt Ion:276 Resp: 190942

Ion Ratio Lower Upper

276 100

277 23.5 18.6 27.8

138 17.1 14.6 21.8

