

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
 Data File : BF130437.D
 Acq On : 27 Sep 2022 22:05
 Operator : CG\JU
 Sample : N4782-01RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-1-(0-6)

Quant Time: Sep 28 03:02:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

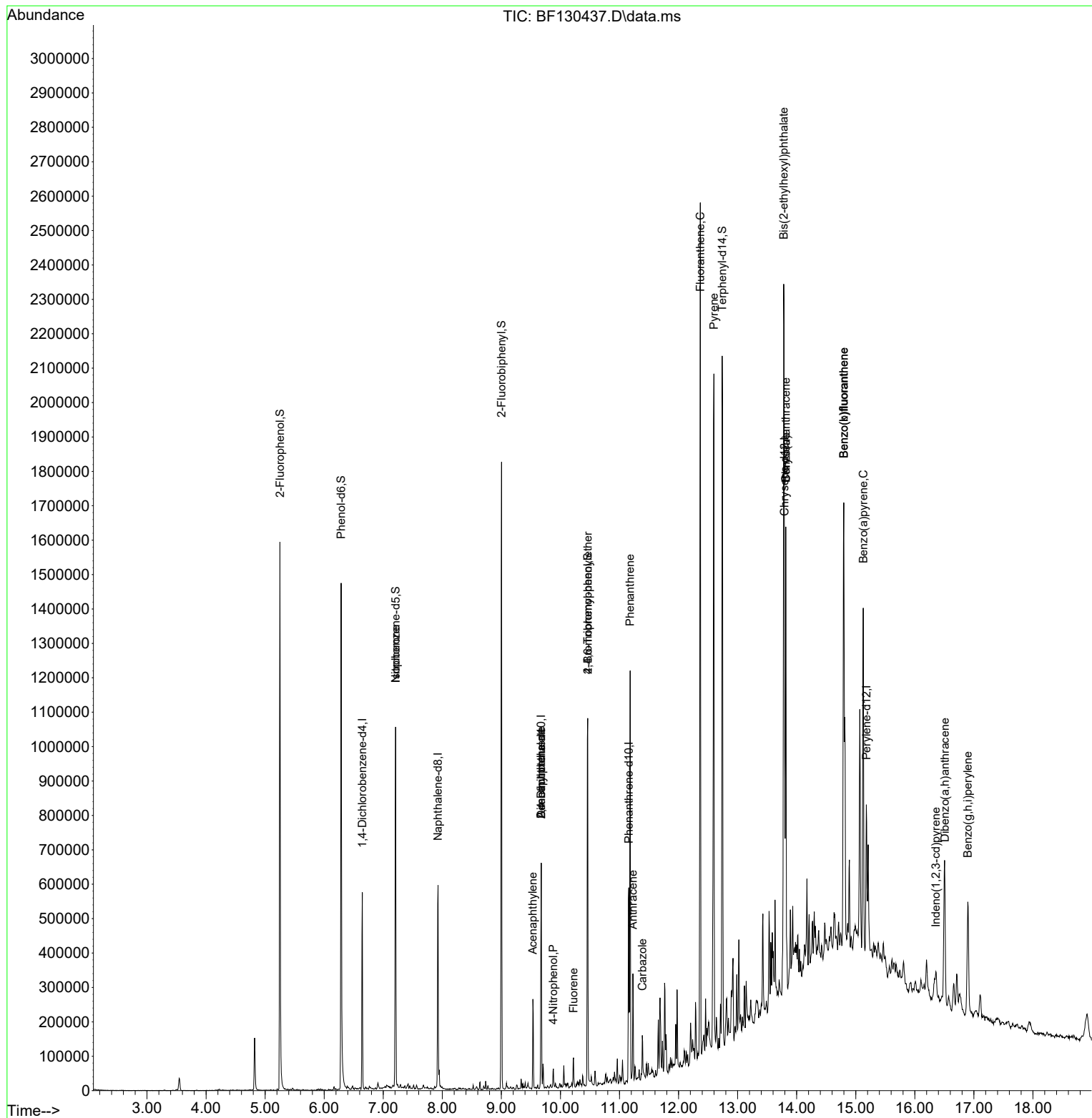
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.645	152	78138	20.000	ng	0.00
21) Naphthalene-d8	7.928	136	257790	20.000	ng	# 0.00
39) Acenaphthene-d10	9.675	164	119016	20.000	ng	0.00
64) Phenanthrene-d10	11.157	188	213666	20.000	ng	0.00
76) Chrysene-d12	13.792	240	222530	20.000	ng	0.00
86) Perylene-d12	15.180	264	180410	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	432290	95.957	ng	0.00
7) Phenol-d6	6.287	99	480032	85.160	ng	0.00
23) Nitrobenzene-d5	7.210	82	303310	60.110	ng	0.00
42) 2,4,6-Tribromophenol	10.463	330	128112	112.340	ng	0.00
45) 2-Fluorobiphenyl	9.004	172	518659	63.459	ng	0.00
79) Terphenyl-d14	12.739	244	672750	50.079	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.210	82	300899	36.998	ng	# 66
49) Acenaphthylene	9.533	152	104597	9.702	ng	99
50) Dimethylphthalate	9.675	163	23151	2.816	ng	# 1
56) 4-Nitrophenol	9.880	139	6504	4.661	ng	# 1
57) 2,4-Dinitrotoluene	9.675	165	15223	6.928	ng	# 16
58) Fluorene	10.222	166	23006	2.855	ng	98
67) 4-Bromophenyl-phenylether	10.463	248	8253	3.501	ng	# 1
71) Phenanthrene	11.180	178	390228	32.530	ng	99
72) Anthracene	11.227	178	104512	9.028	ng	98
73) Carbazole	11.386	167	47762	4.572	ng	98
75) Fluoranthene	12.368	202	941836	81.250	ng	98
78) Pyrene	12.598	202	840207	43.161	ng	100
81) Benzo(a)anthracene	13.815	228	469421	31.710	ng	94
83) Chrysene	13.815	228	469421	33.396	ng	96
84) Bis(2-ethylhexyl)phtha...	13.780	149	178280	21.582	ng	98
87) Indeno(1,2,3-cd)pyrene	16.356	276	49470	3.867	ng	96
88) Benzo(b)fluoranthene	14.798	252	877494	74.520	ng	98
89) Benzo(k)fluoranthene	14.798	252	877494	75.755	ng	98
90) Benzo(a)pyrene	15.127	252	408961	43.838	ng	97
91) Dibenzo(a,h)anthracene	16.509	278	66290	6.316	ng	93
92) Benzo(g,h,i)perylene	16.898	276	260654	24.654	ng	100

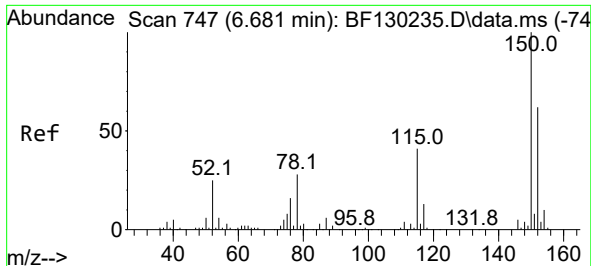
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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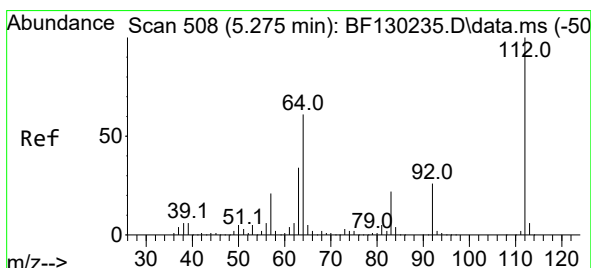
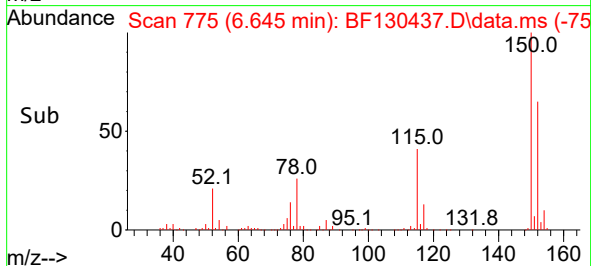
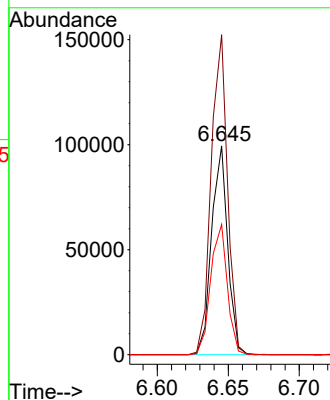
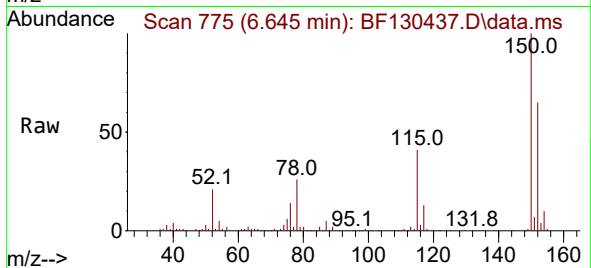




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.645 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

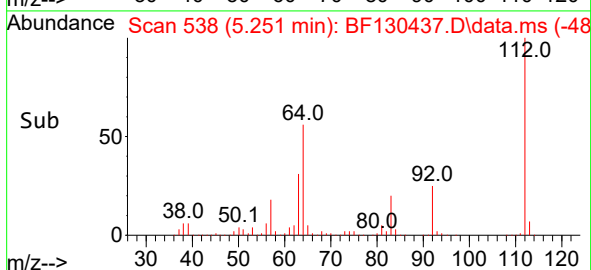
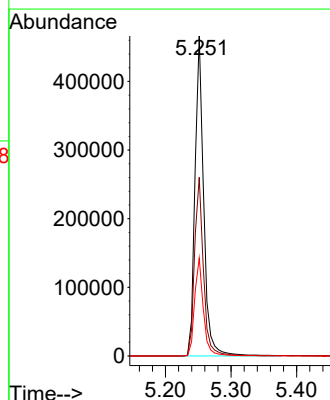
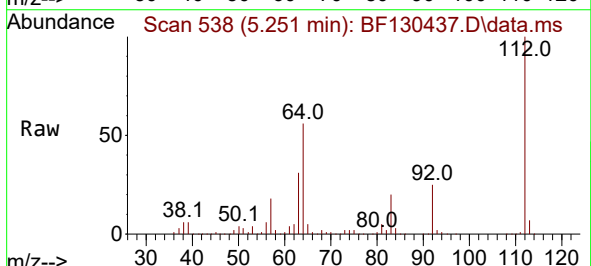
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

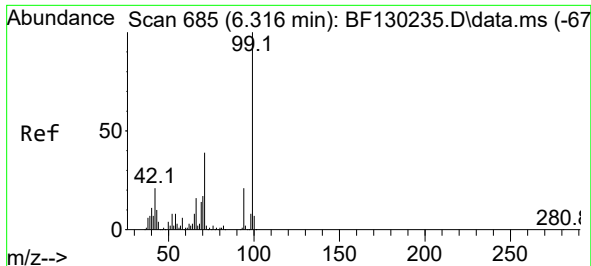
Tgt Ion:152 Resp: 78138
Ion Ratio Lower Upper
152 100
150 153.3 122.8 184.2
115 62.4 53.8 80.8



#5
2-Fluorophenol
Concen: 95.957 ng
RT: 5.251 min Scan# 538
Delta R.T. 0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Tgt Ion:112 Resp: 432290
Ion Ratio Lower Upper
112 100
64 55.8 51.4 77.0
63 30.6 28.8 43.2

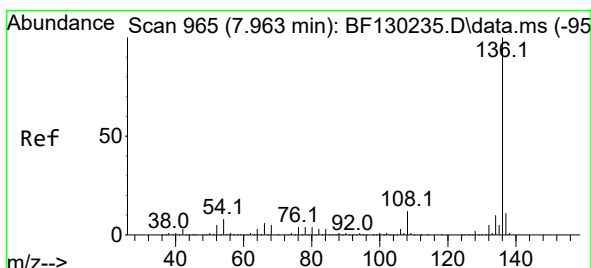
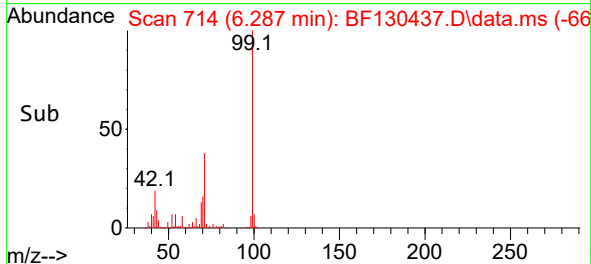
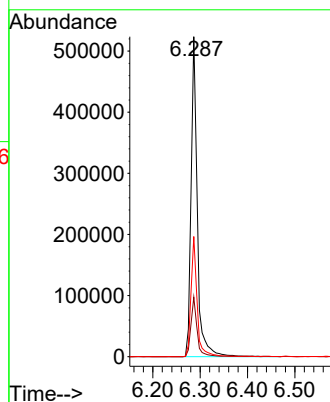
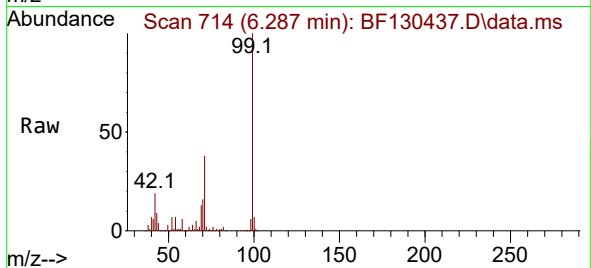




#7
Phenol-d6
Concen: 85.160 ng
RT: 6.287 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

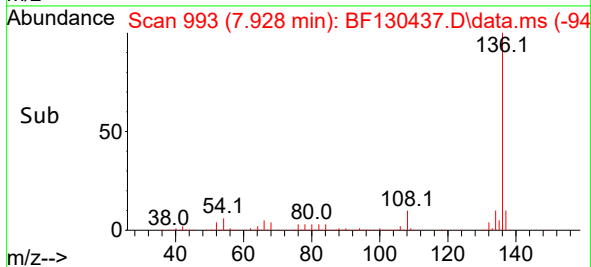
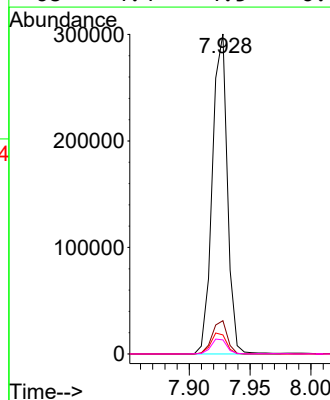
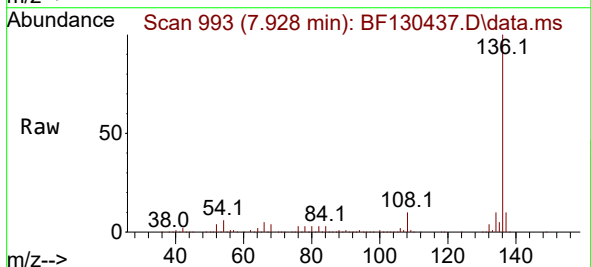
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

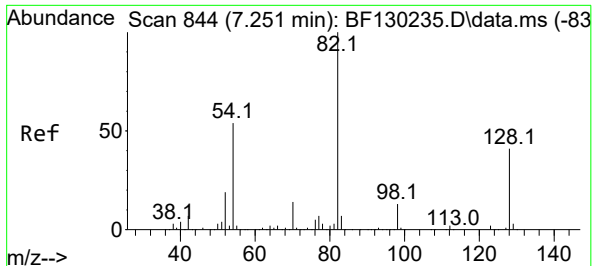
Tgt Ion: 99 Resp: 480032
Ion Ratio Lower Upper
99 100
42 18.6 17.0 25.6
71 37.5 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.928 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Tgt Ion: 136 Resp: 257790
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 6.0 7.1 10.7#
68 4.4 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 60.110 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)

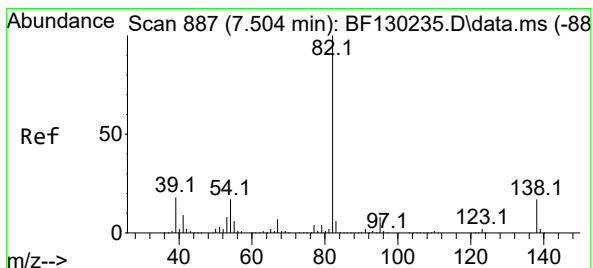
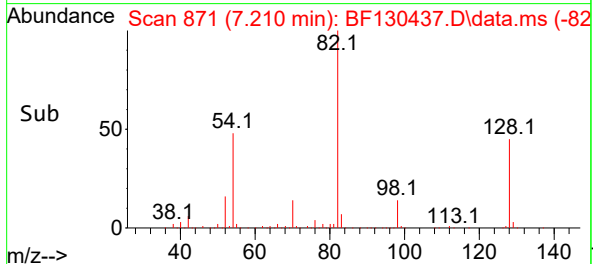
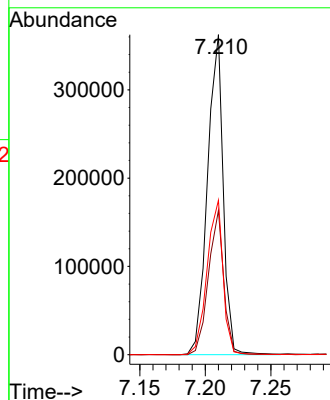
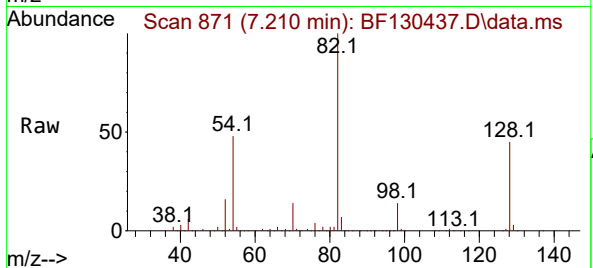
Tgt Ion: 82 Resp: 303310

Ion Ratio Lower Upper

82 100

128 45.1 32.6 49.0

54 48.3 43.8 65.6



#25

Isophorone

Concen: 36.998 ng

RT: 7.210 min Scan# 871

Delta R.T. -0.265 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

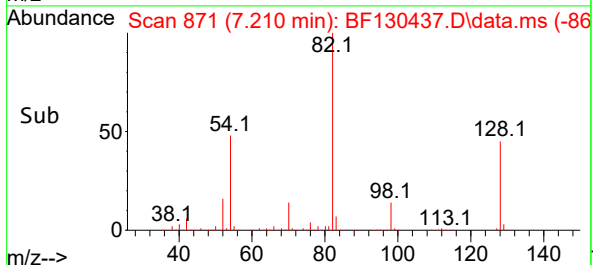
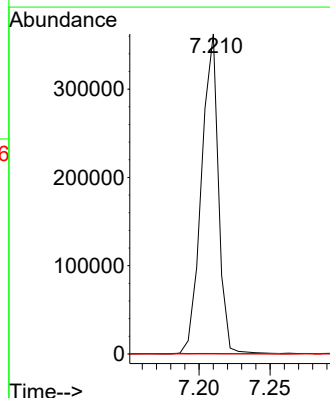
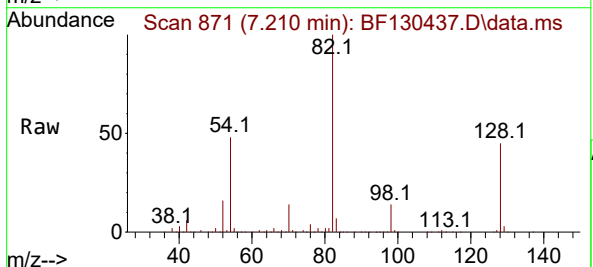
Tgt Ion: 82 Resp: 300899

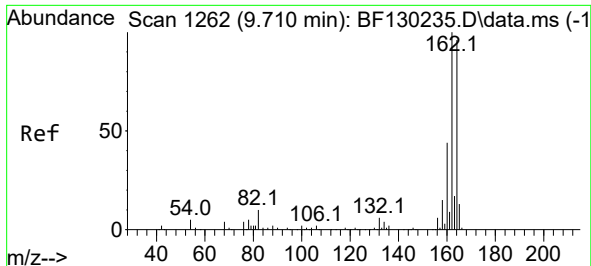
Ion Ratio Lower Upper

82 100

95 0.1 6.4 9.6#

138 0.0 13.8 20.6#

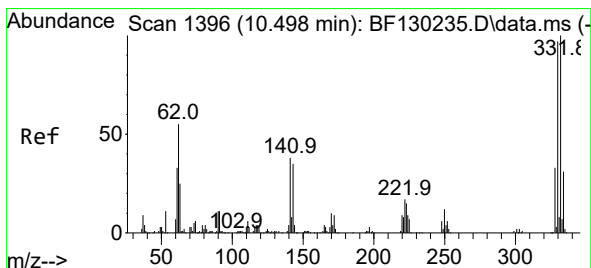
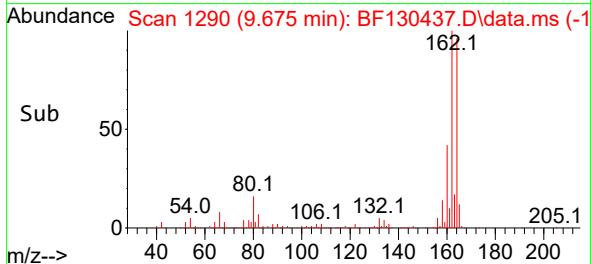
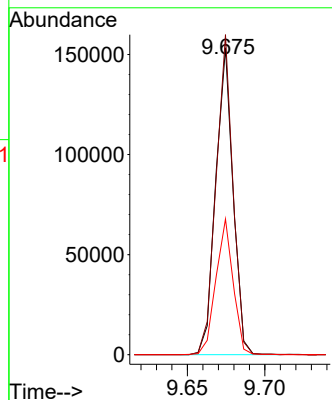
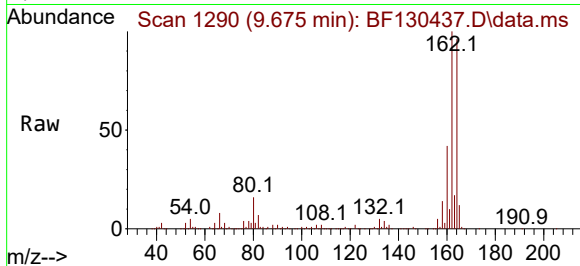




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.675 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

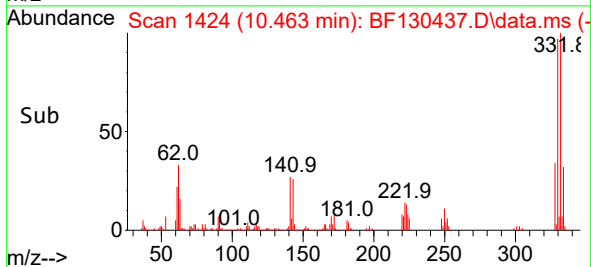
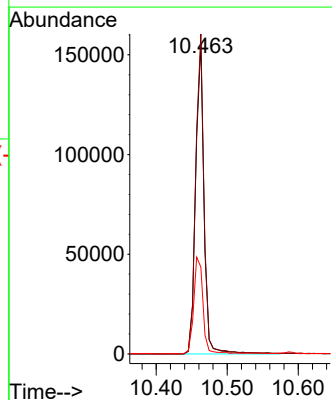
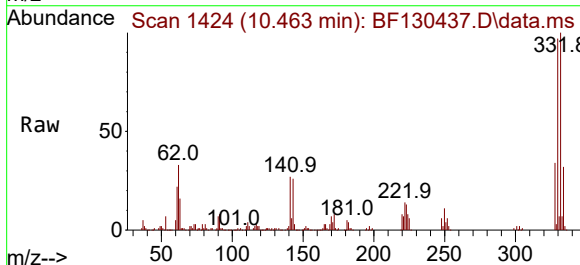
Instrument :
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ClientSampleId :
SASP2-T-1-(0-6)

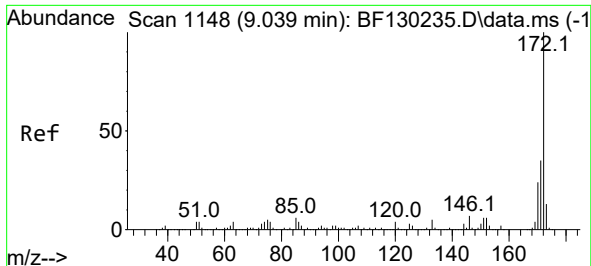
Tgt Ion:164 Resp: 119016
Ion Ratio Lower Upper
164 100
162 104.3 81.4 122.0
160 44.2 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 112.340 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Tgt Ion:330 Resp: 128112
Ion Ratio Lower Upper
330 100
332 103.5 83.4 125.2
141 34.8 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 63.459 ng

RT: 9.004 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)

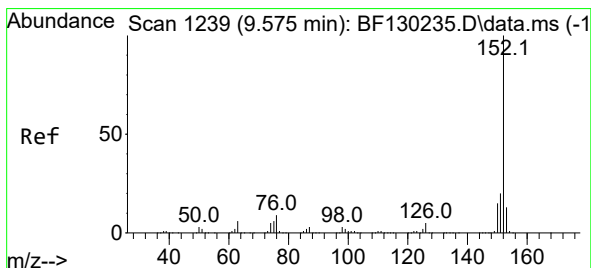
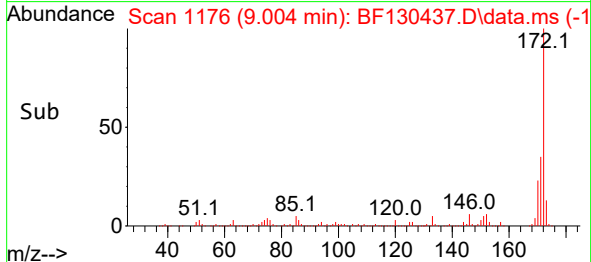
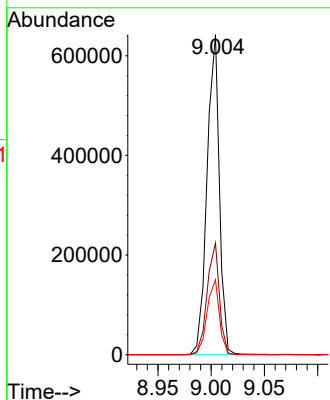
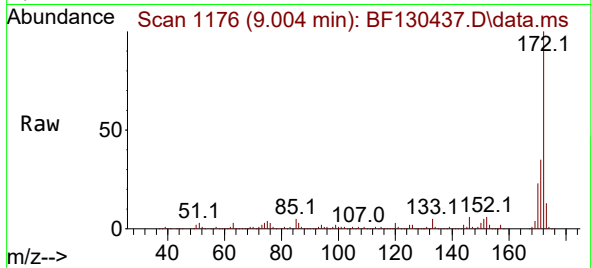
Tgt Ion:172 Resp: 518659

Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.4 18.7 28.1



#49

Acenaphthylene

Concen: 9.702 ng

RT: 9.533 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

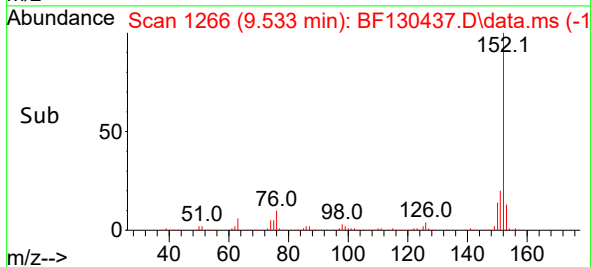
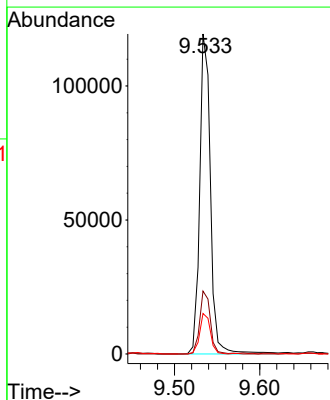
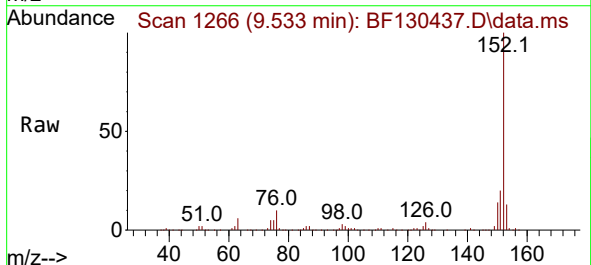
Tgt Ion:152 Resp: 104597

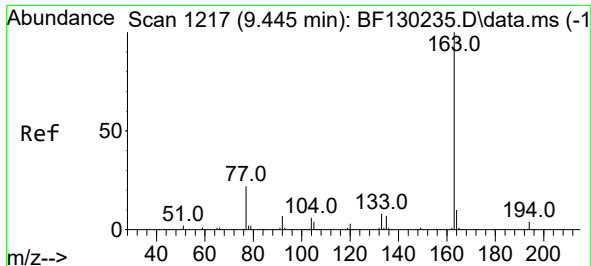
Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

153 12.6 10.6 15.8

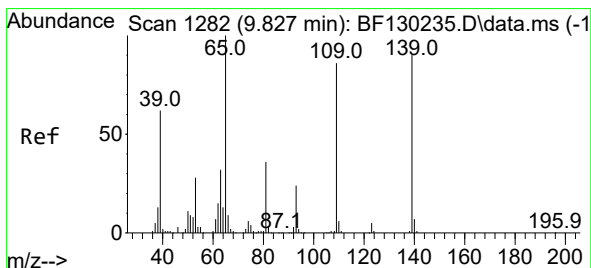
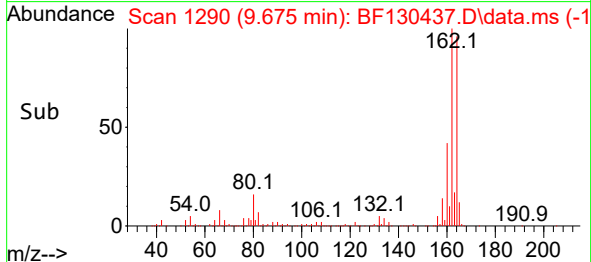
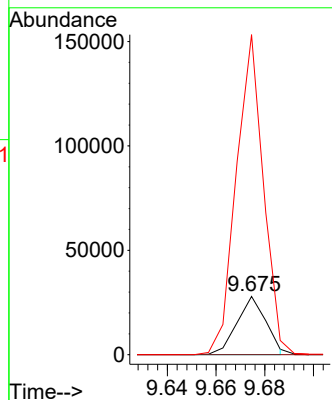
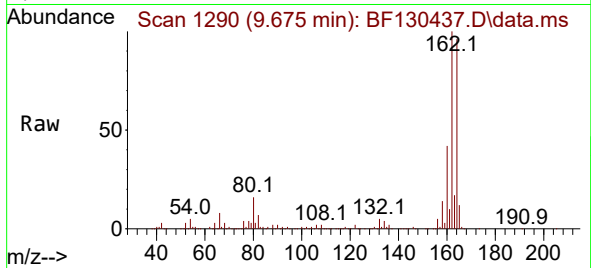




#50
Dimethylphthalate
Concen: 2.816 ng
RT: 9.675 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

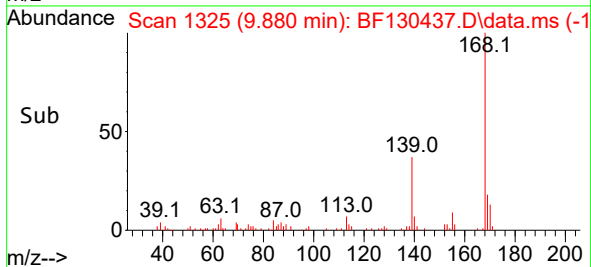
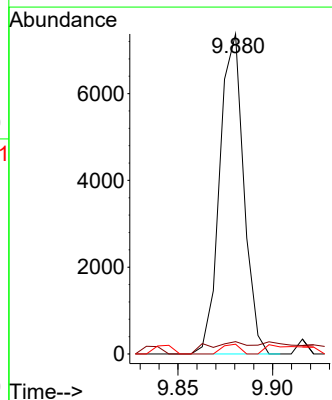
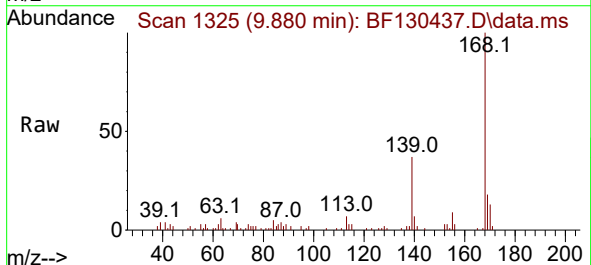
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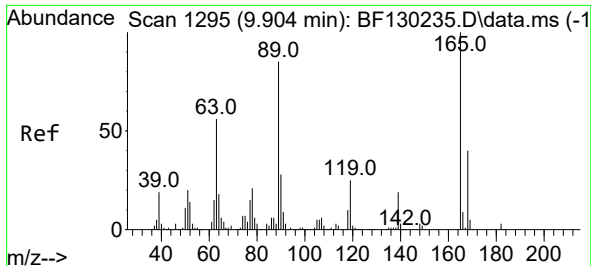
Tgt Ion:163 Resp: 23151
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 548.7 8.2 12.2#



#56
4-Nitrophenol
Concen: 4.661 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.071 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Tgt Ion:139 Resp: 6504
Ion Ratio Lower Upper
139 100
109 3.9 72.2 112.2#
65 3.1 97.7 137.7#

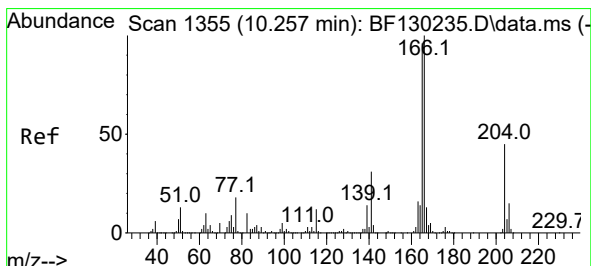
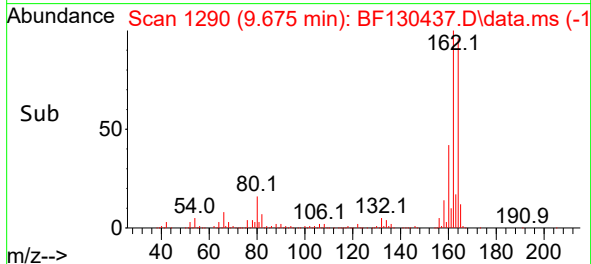
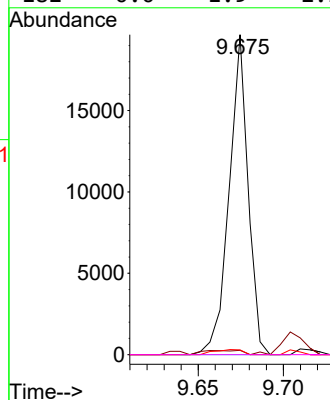
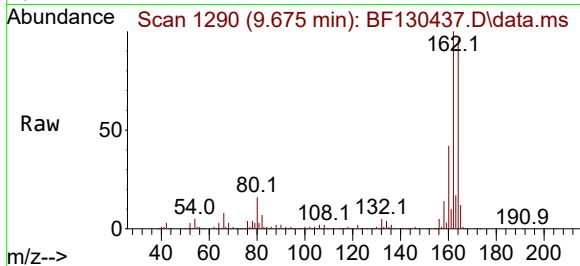




#57
 2,4-Dinitrotoluene
 Concen: 6.928 ng
 RT: 9.675 min Scan# 11
 Delta R.T. -0.200 min
 Lab File: BF130437.D
 Acq: 27 Sep 2022 22:05

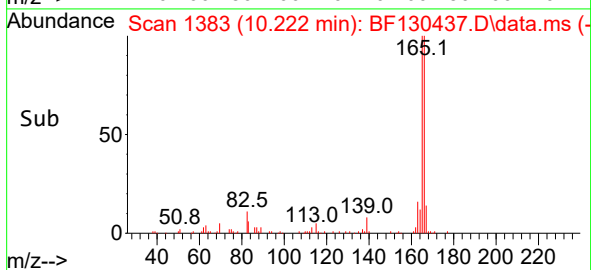
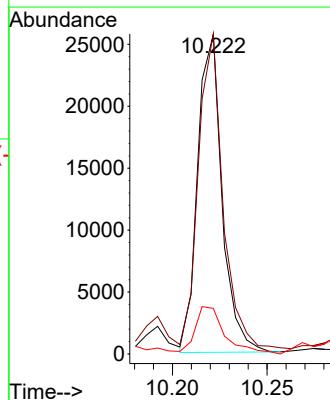
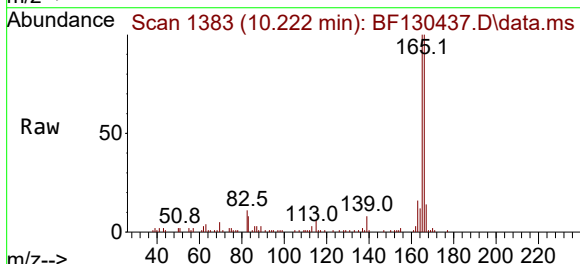
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-1-(0-6)

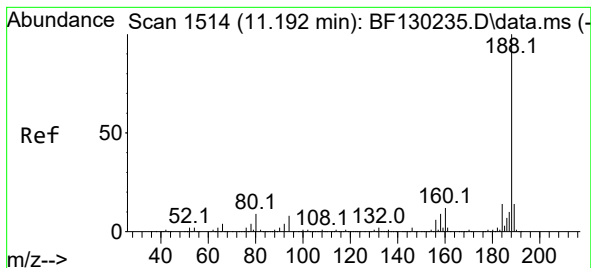
Tgt Ion:165	Resp:	15223
Ion	Ratio	Lower Upper
165	100	
63	1.4	44.7 67.1#
89	1.5	69.0 103.4#
182	0.0	1.9 2.9#



#58
 Fluorene
 Concen: 2.855 ng
 RT: 10.222 min Scan# 1383
 Delta R.T. -0.006 min
 Lab File: BF130437.D
 Acq: 27 Sep 2022 22:05

Tgt Ion:166	Resp:	23006
Ion	Ratio	Lower Upper
166	100	
165	100.2	78.8 118.2
167	14.3	10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)

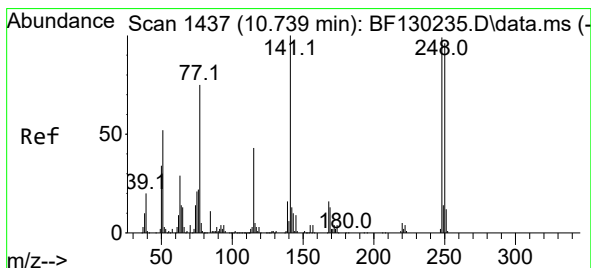
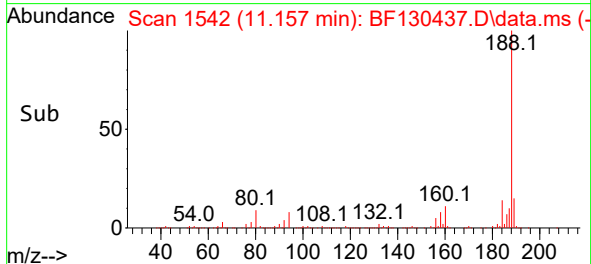
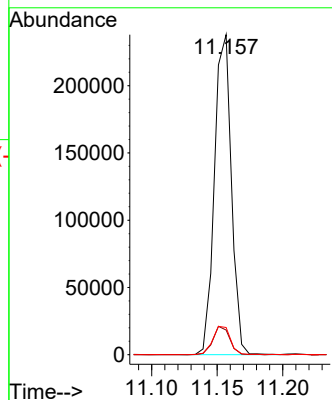
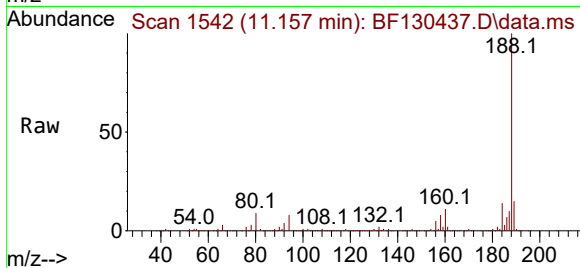
Tgt Ion:188 Resp: 213666

Ion Ratio Lower Upper

188 100

94 7.7 7.4 11.2

80 8.5 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.501 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.247 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

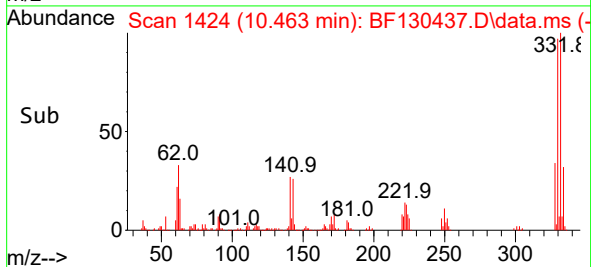
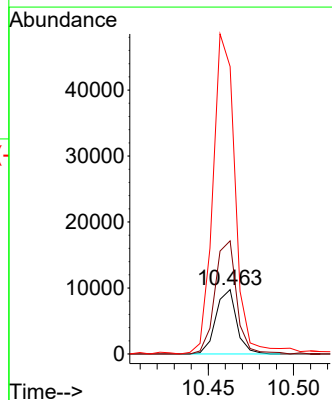
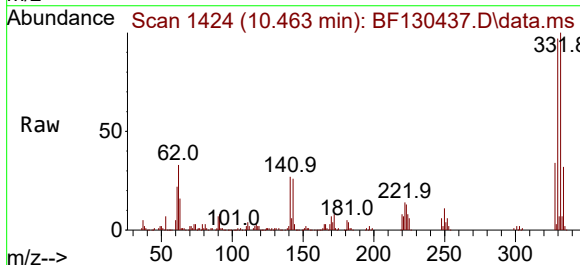
Tgt Ion:248 Resp: 8253

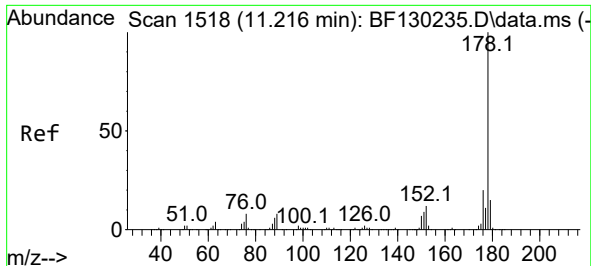
Ion Ratio Lower Upper

248 100

250 175.9 80.0 120.0#

141 446.9 68.5 102.7#

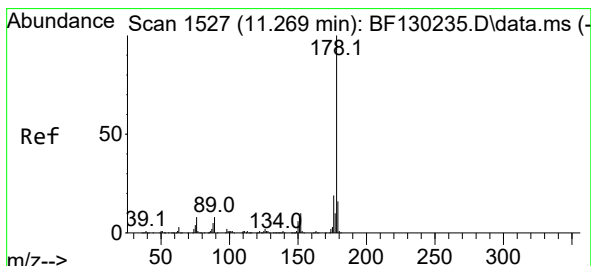
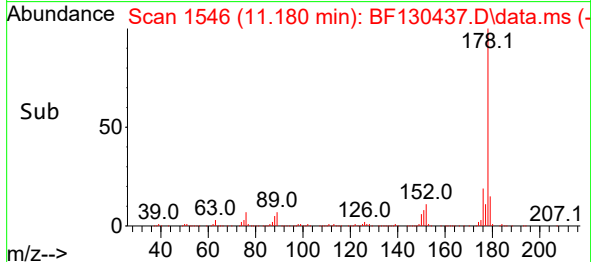
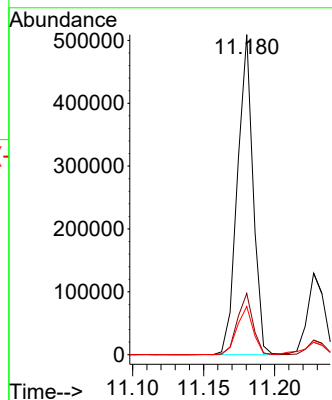
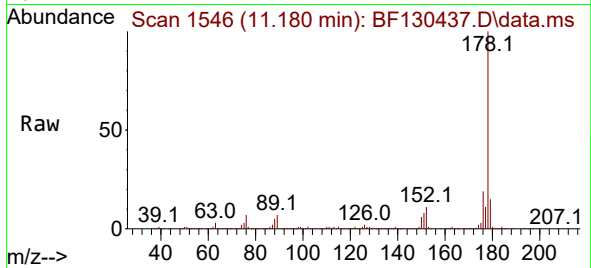




#71
Phenanthrene
Concen: 32.530 ng
RT: 11.180 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

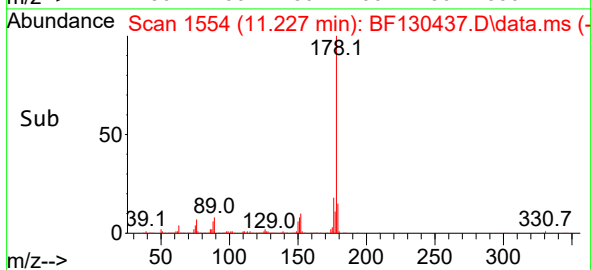
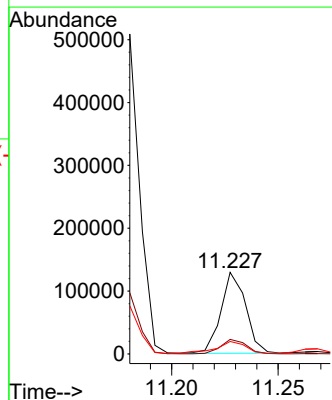
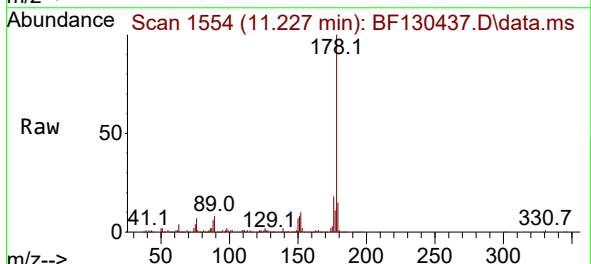
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

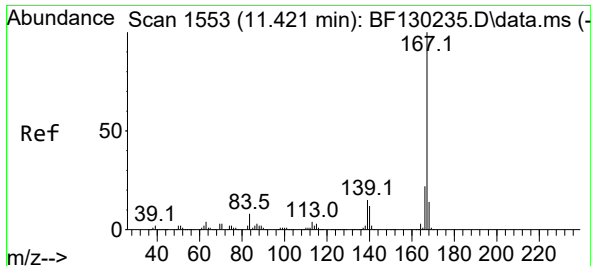
Tgt Ion:178 Resp: 390228
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.1 12.4 18.6



#72
Anthracene
Concen: 9.028 ng
RT: 11.227 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Tgt Ion:178 Resp: 104512
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.6
179 15.4 12.7 19.1

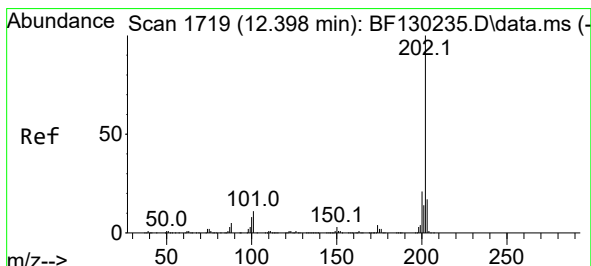
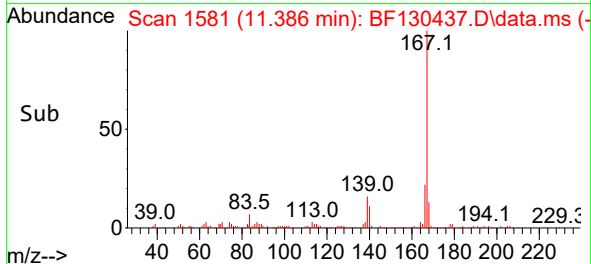
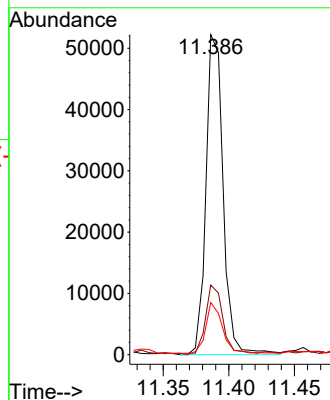
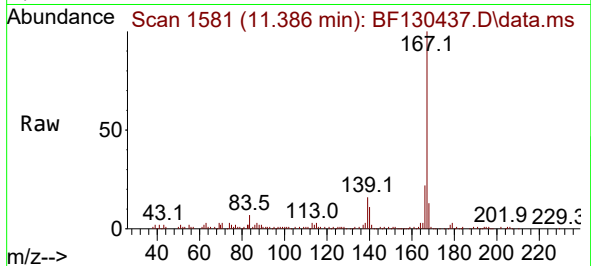




#73
 Carbazole
 Concen: 4.572 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130437.D
 Acq: 27 Sep 2022 22:05

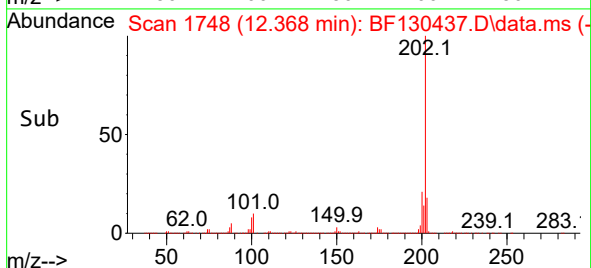
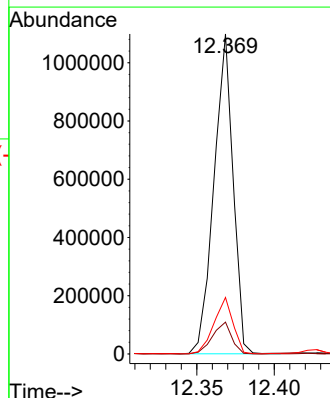
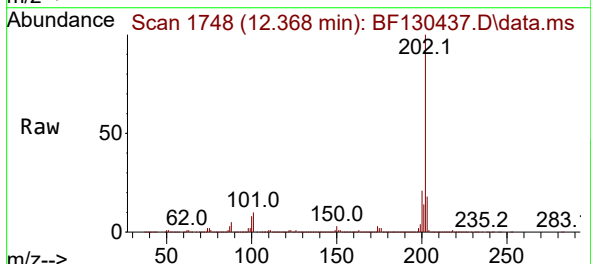
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-1-(0-6)

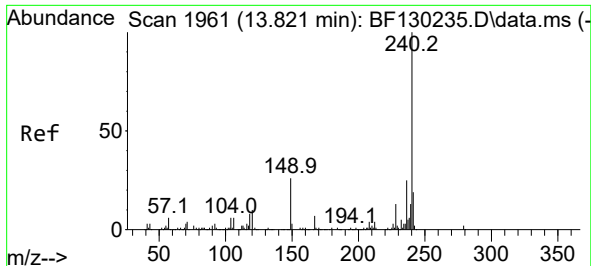
Tgt Ion:167 Resp: 47762
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.2
 139 16.3 11.6 17.4



#75
 Fluoranthene
 Concen: 81.250 ng
 RT: 12.368 min Scan# 1748
 Delta R.T. -0.000 min
 Lab File: BF130437.D
 Acq: 27 Sep 2022 22:05

Tgt Ion:202 Resp: 941836
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 31.8
 203 17.6 0.0 37.8

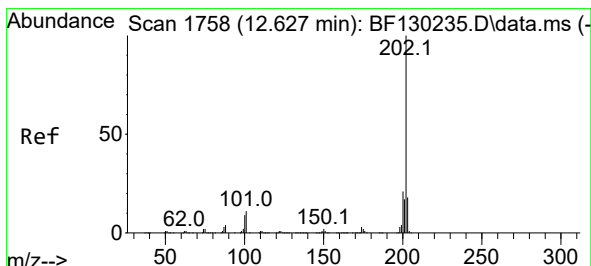
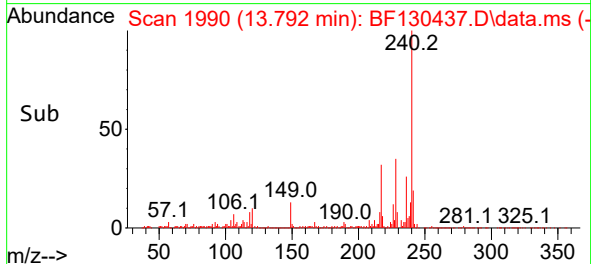
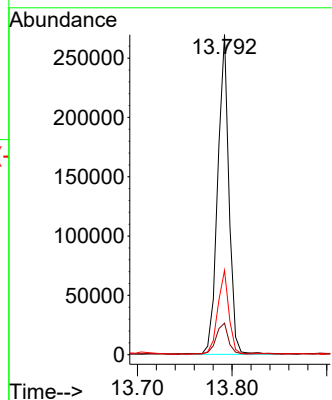
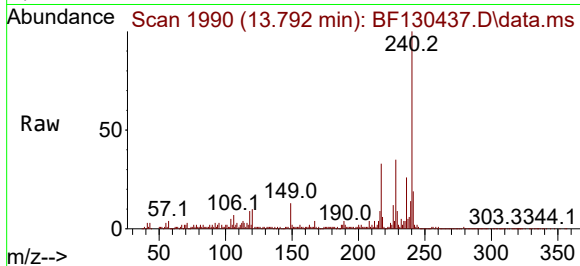




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.792 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

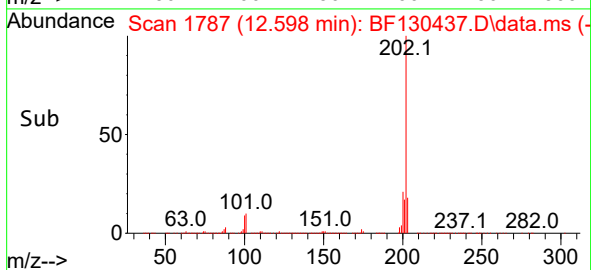
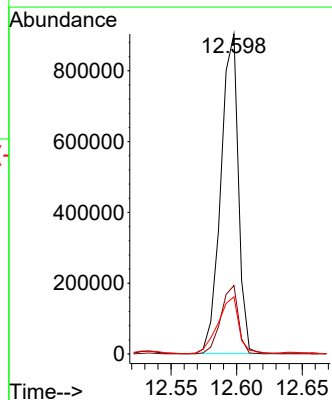
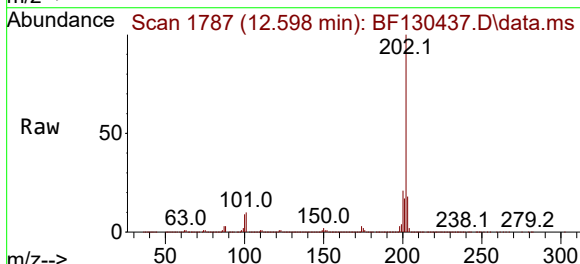
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

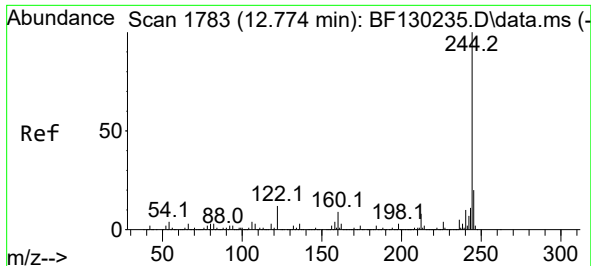
Tgt Ion:240 Resp: 222530
Ion Ratio Lower Upper
240 100
120 9.8 8.7 13.1
236 26.4 20.9 31.3



#78
Pyrene
Concen: 43.161 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Tgt Ion:202 Resp: 840207
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 17.9 14.3 21.5

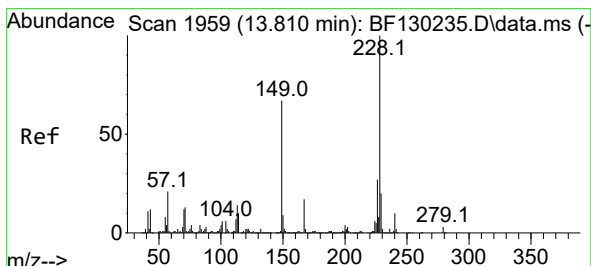
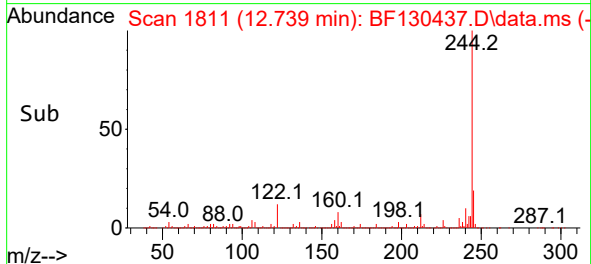
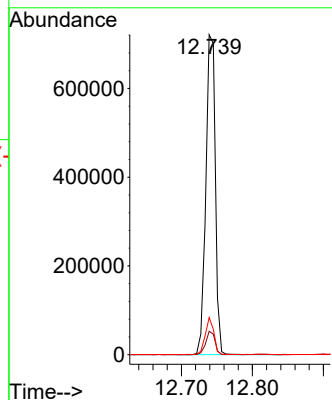
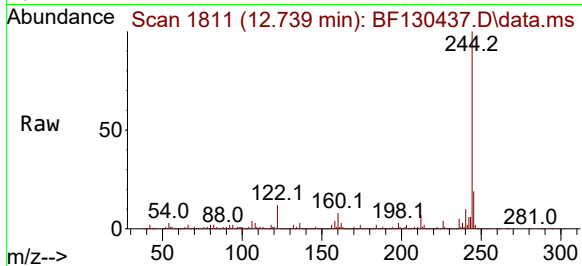




#79
 Terphenyl-d14
 Concen: 50.079 ng
 RT: 12.739 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130437.D
 Acq: 27 Sep 2022 22:05

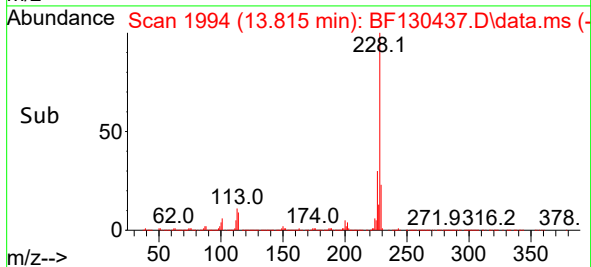
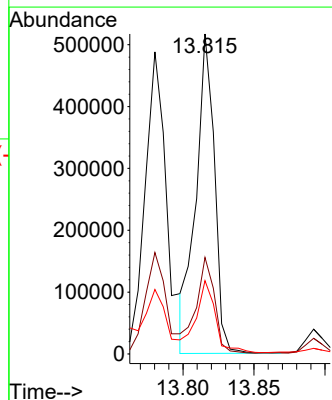
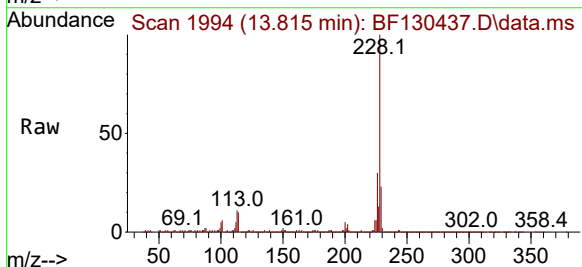
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-1-(0-6)

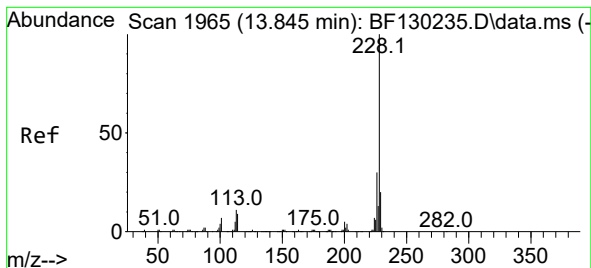
Tgt Ion:244 Resp: 672750
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 11.6 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 31.710 ng
 RT: 13.815 min Scan# 1994
 Delta R.T. 0.035 min
 Lab File: BF130437.D
 Acq: 27 Sep 2022 22:05

Tgt Ion:228 Resp: 469421
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.9 32.9
 229 22.9 16.1 24.1





#83

Chrysene

Concen: 33.396 ng

RT: 13.815 min Scan# 1994

Delta R.T. -0.000 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)

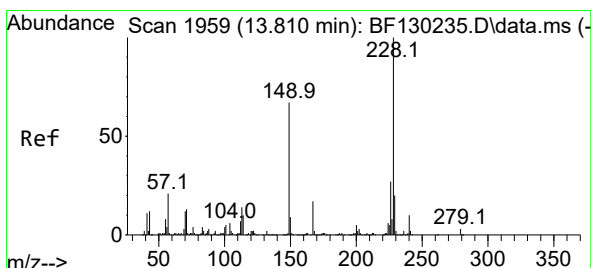
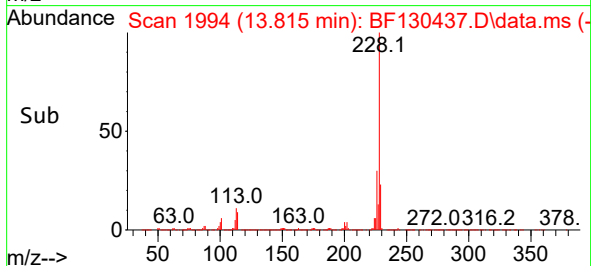
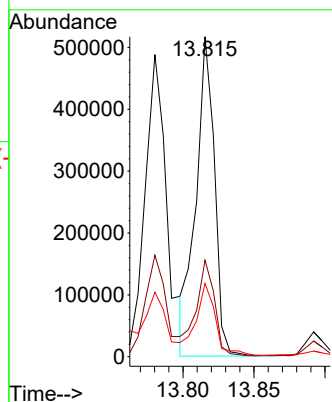
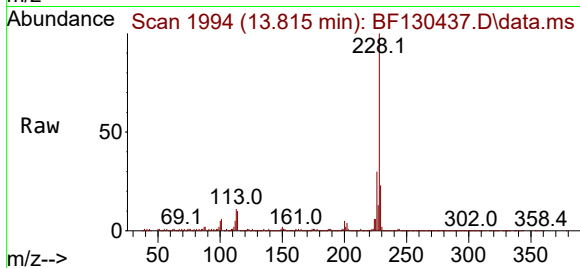
Tgt Ion:228 Resp: 469421

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 22.9 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 21.582 ng

RT: 13.780 min Scan# 1988

Delta R.T. -0.000 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

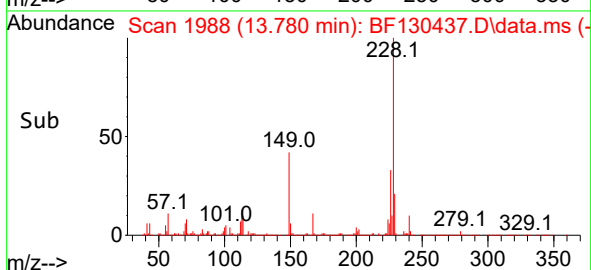
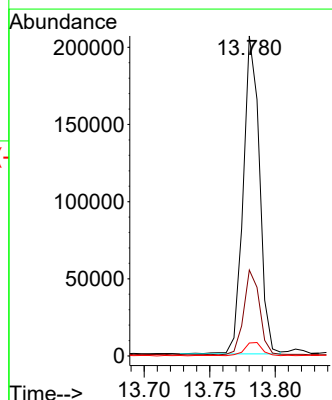
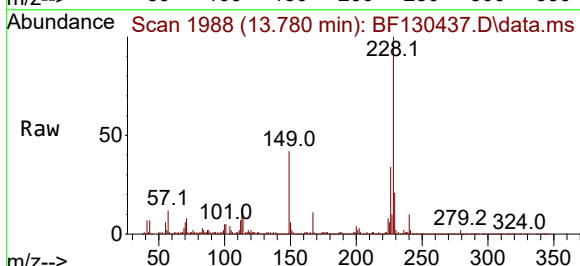
Tgt Ion:149 Resp: 178280

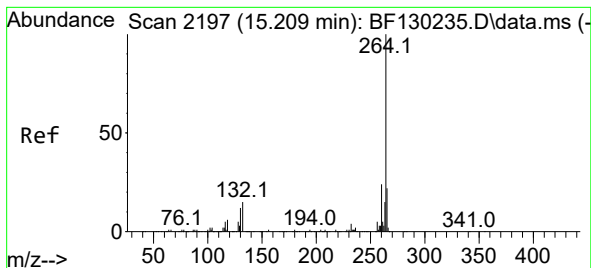
Ion Ratio Lower Upper

149 100

167 26.8 20.5 30.7

279 4.1 2.9 4.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.180 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)

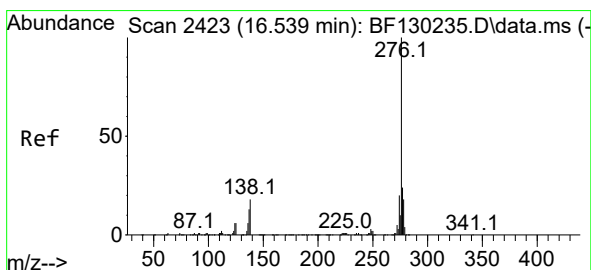
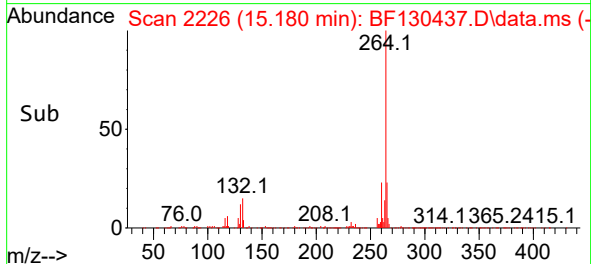
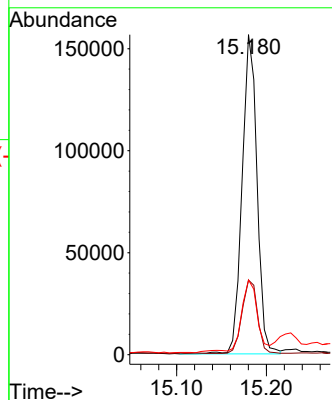
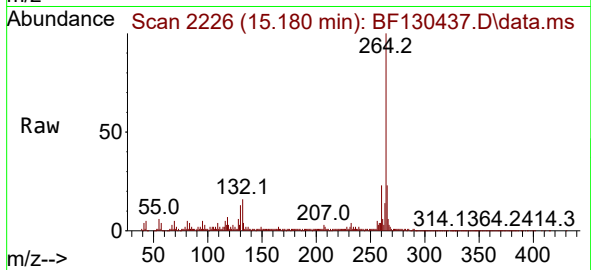
Tgt Ion:264 Resp: 180410

Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 23.4 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.867 ng

RT: 16.356 min Scan# 2426

Delta R.T. -0.141 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

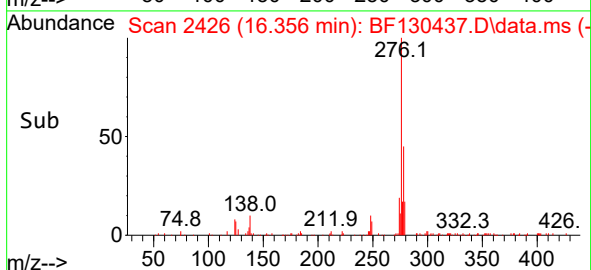
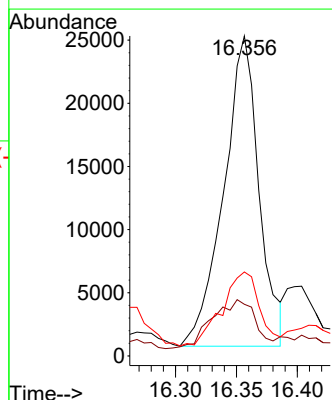
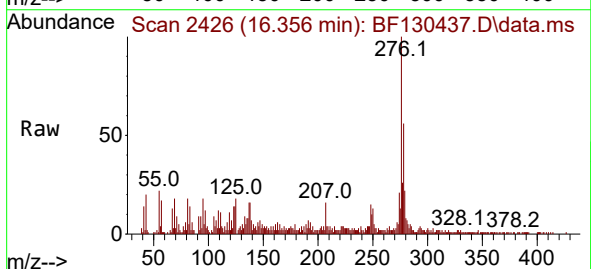
Tgt Ion:276 Resp: 49470

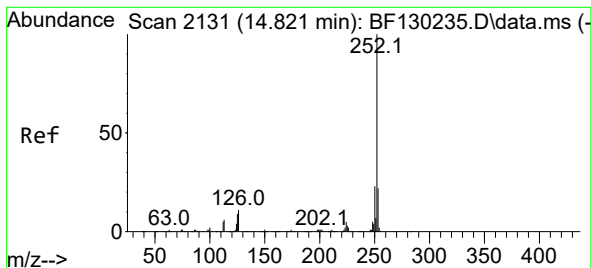
Ion Ratio Lower Upper

276 100

138 19.5 18.5 27.7

277 25.4 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 74.520 ng

RT: 14.798 min Scan# 2161

Delta R.T. 0.012 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)

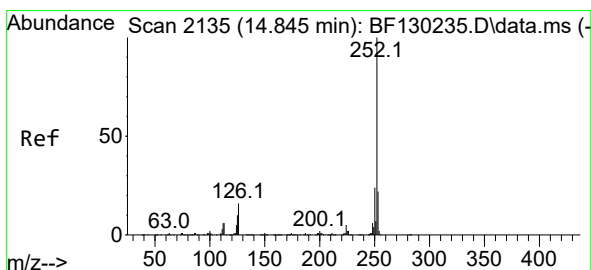
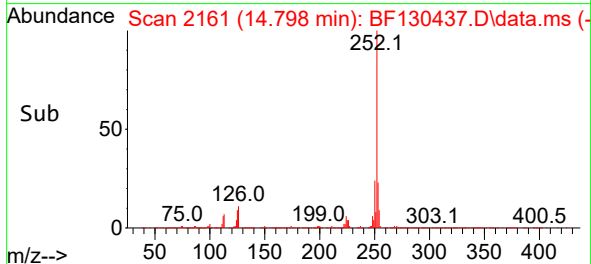
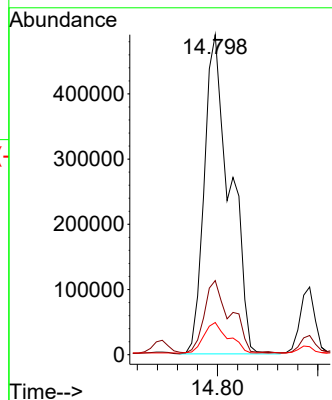
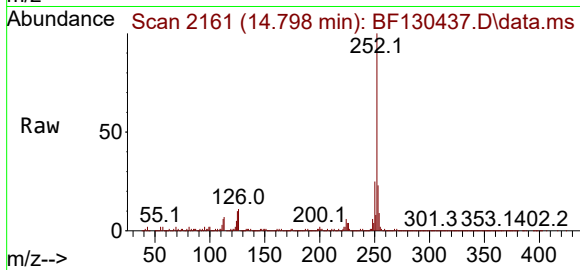
Tgt Ion:252 Resp: 877494

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 10.0 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 75.755 ng

RT: 14.798 min Scan# 2161

Delta R.T. -0.018 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

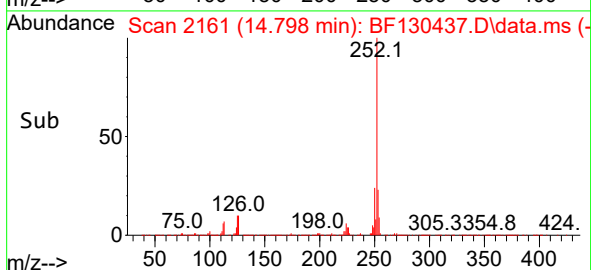
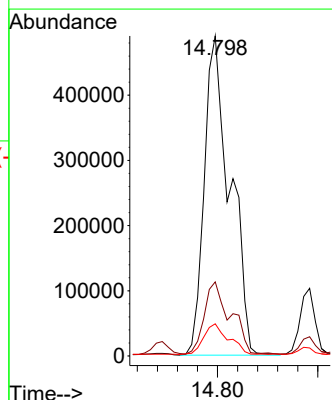
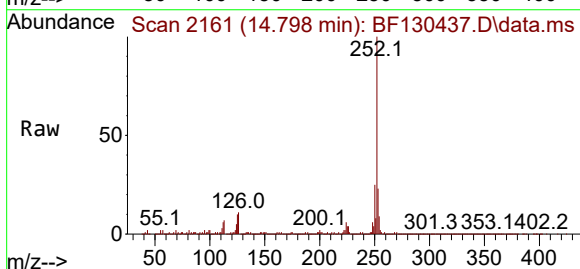
Tgt Ion:252 Resp: 877494

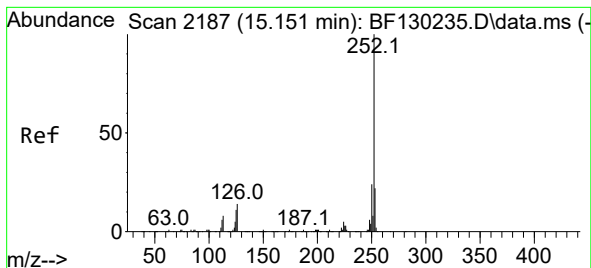
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 10.0 7.9 11.9





#90

Benzo(a)pyrene

Concen: 43.838 ng

RT: 15.127 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)

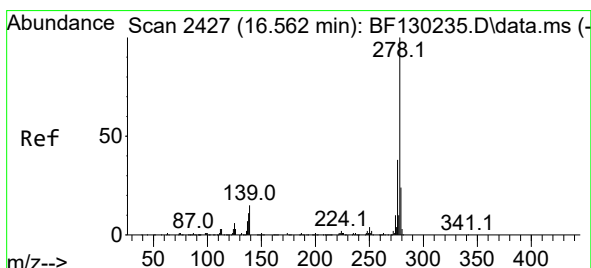
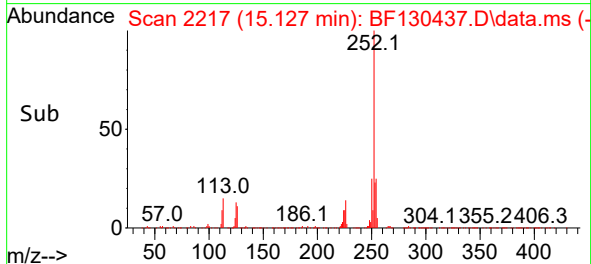
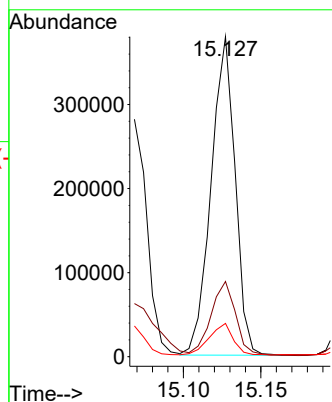
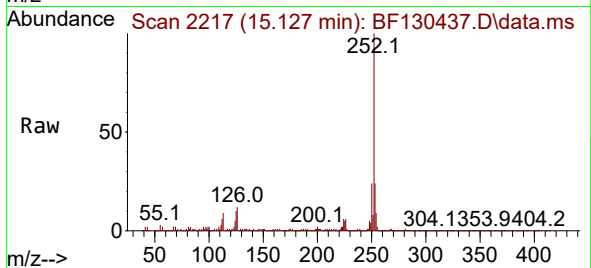
Tgt Ion:252 Resp: 408961

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 10.4 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 6.316 ng

RT: 16.509 min Scan# 2452

Delta R.T. -0.000 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

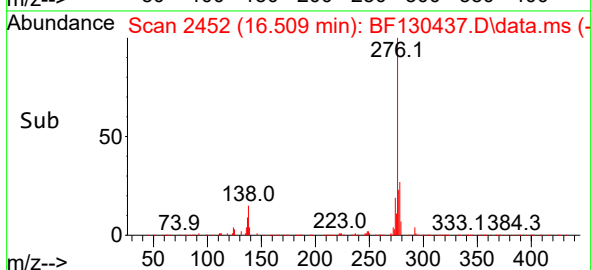
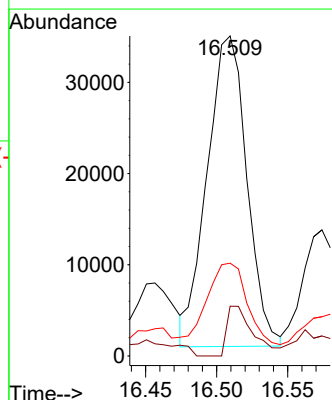
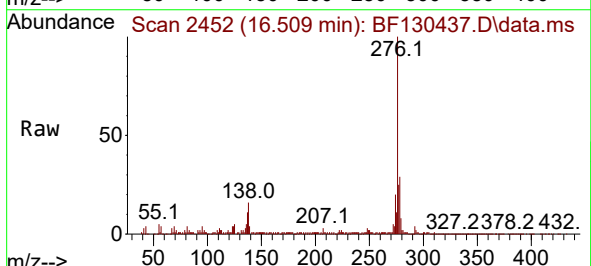
Tgt Ion:278 Resp: 66290

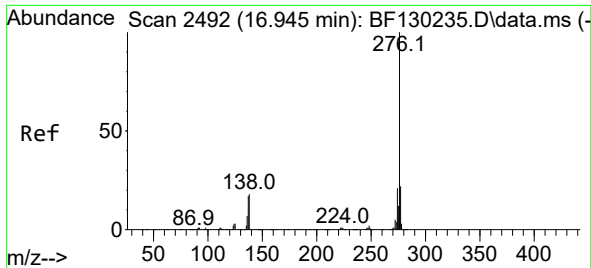
Ion Ratio Lower Upper

278 100

139 15.5 11.8 17.8

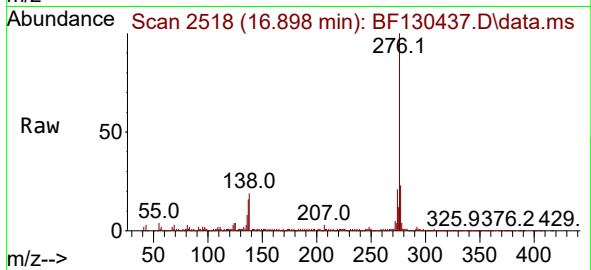
279 29.0 19.4 29.0





#92
Benzo(g,h,i)perylene
Concen: 24.654 ng
RT: 16.898 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



Tgt Ion:276 Resp: 260654
Ion Ratio Lower Upper
276 100
277 23.0 18.6 27.8
138 18.5 14.6 21.8

