

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101422\
 Data File : BF130675.D
 Acq On : 14 Oct 2022 20:21
 Operator : CG\JU
 Sample : N5140-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Quant Time: Oct 17 02:23:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 12 06:52:52 2022
 Response via : Initial Calibration

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

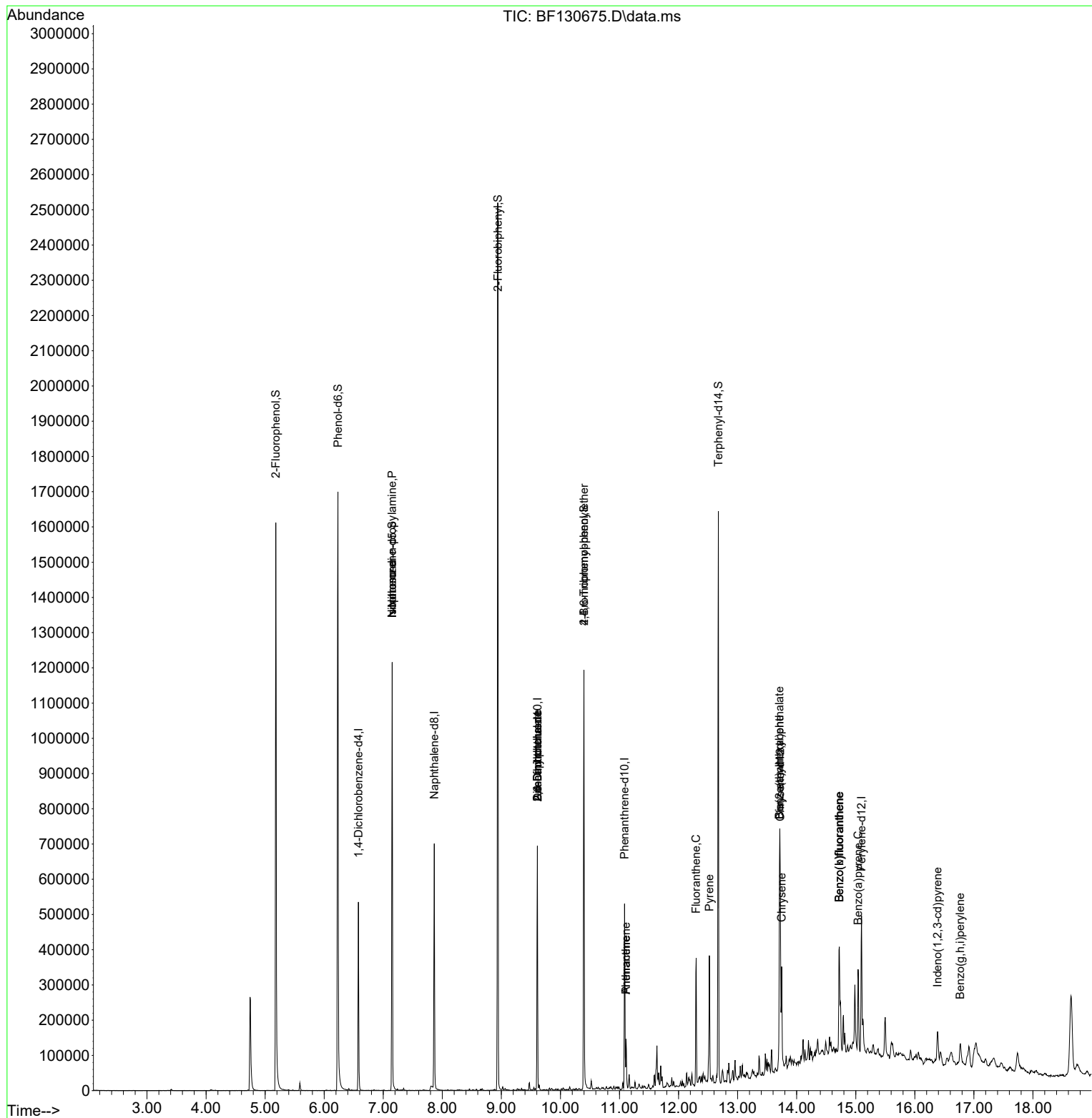
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.581	152	71726	20.000	ng	0.00
21) Naphthalene-d8	7.863	136	273154	20.000	ng	-0.01
39) Acenaphthene-d10	9.610	164	130720	20.000	ng	-0.01
64) Phenanthrene-d10	11.086	188	172807	20.000	ng	-0.01
76) Chrysene-d12	13.721	240	148500	20.000	ng	0.00
86) Perylene-d12	15.098	264	159144	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.181	112	475221	119.428	ng	0.00
7) Phenol-d6	6.234	99	587693	117.470	ng	0.00
23) Nitrobenzene-d5	7.151	82	362052	72.357	ng	-0.01
42) 2,4,6-Tribromophenol	10.398	330	140128	109.553	ng	-0.01
45) 2-Fluorobiphenyl	8.939	172	707737	82.011	ng	-0.01
79) Terphenyl-d14	12.674	244	502464	56.159	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.151	70	49081	15.206	ng	# 76
25) Isophorone	7.151	82	362048	43.474	ng	# 64
50) Dimethylphthalate	9.610	163	24812	2.742	ng	# 1
51) 2,6-Dinitrotoluene	9.610	165	17003	8.566	ng	# 25
57) 2,4-Dinitrotoluene	9.610	165	17003	6.665	ng	# 15
67) 4-Bromophenyl-phenylether	10.398	248	8342	4.266	ng	# 1
71) Phenanthrene	11.110	178	49596	5.180	ng	97
72) Anthracene	11.110	178	49596	5.304	ng	96
75) Fluoranthene	12.298	202	140268	15.244	ng	99
78) Pyrene	12.521	202	137515	10.734	ng	100
81) Benzo(a)anthracene	13.709	228	113778	11.371	ng	97
83) Chrysene	13.745	228	95770	10.095	ng	97
84) Bis(2-ethylhexyl)phtha...	13.709	149	54100	9.059	ng	99
87) Indeno(1,2,3-cd)pyrene	16.386	276	54070	4.539	ng	# 94
88) Benzo(b)fluoranthene	14.721	252	202157	20.061	ng	99
89) Benzo(k)fluoranthene	14.721	252	202157	19.702	ng	98
90) Benzo(a)pyrene	15.039	252	100533	11.987	ng	98
92) Benzo(g,h,i)perylene	16.768	276	48239	5.305	ng	98

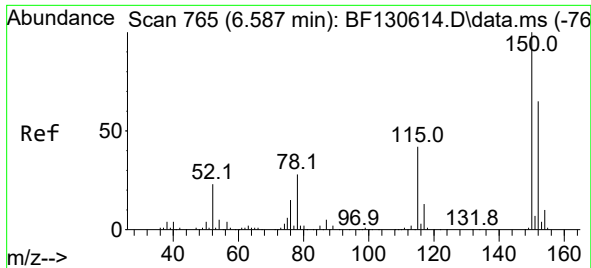
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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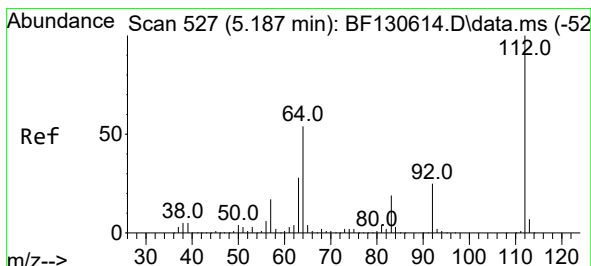
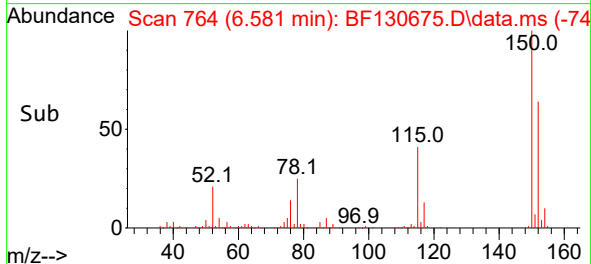
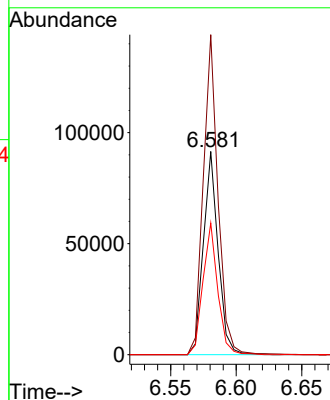
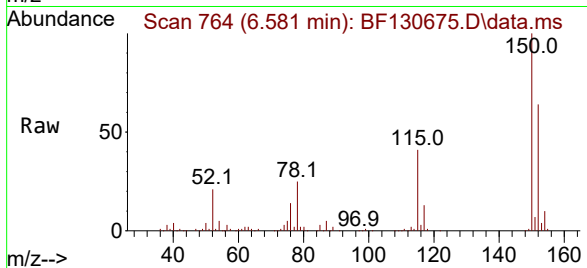




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.581 min Scan# 765
Delta R.T. -0.006 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

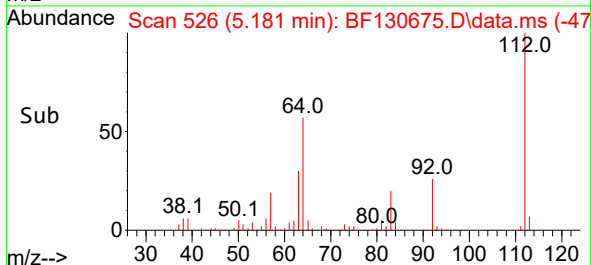
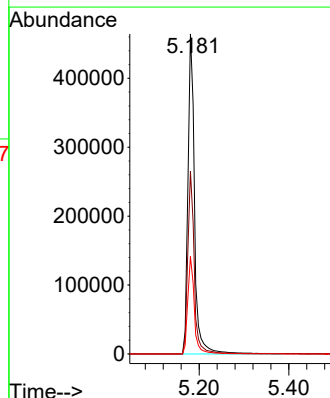
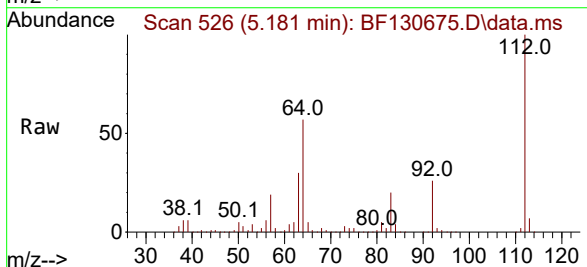
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

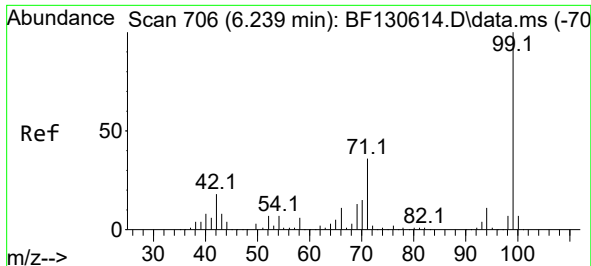
Tgt Ion:152 Resp: 71726
Ion Ratio Lower Upper
152 100
150 157.5 123.8 185.6
115 64.8 52.2 78.4



#5
2-Fluorophenol
Concen: 119.428 ng
RT: 5.181 min Scan# 526
Delta R.T. -0.006 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Tgt Ion:112 Resp: 475221
Ion Ratio Lower Upper
112 100
64 57.1 43.5 65.3
63 30.5 22.6 34.0

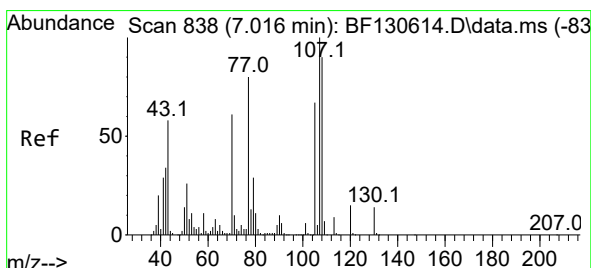
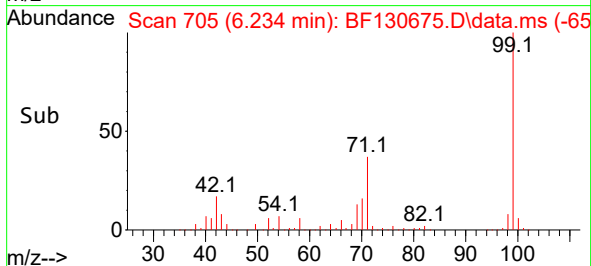
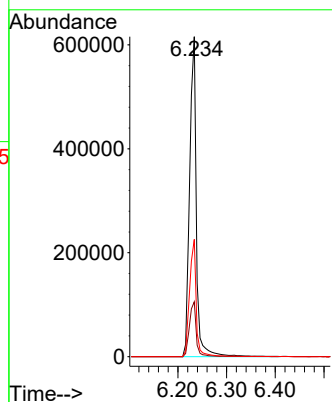
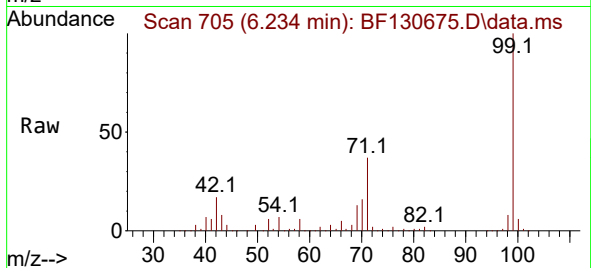




#7
Phenol-d6
Concen: 117.470 ng
RT: 6.234 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

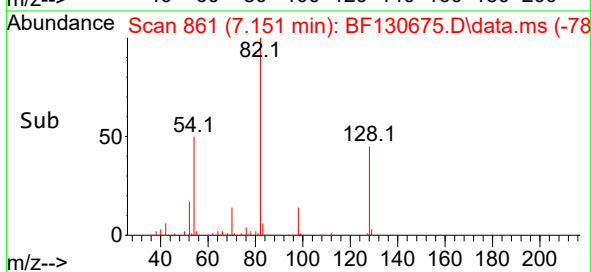
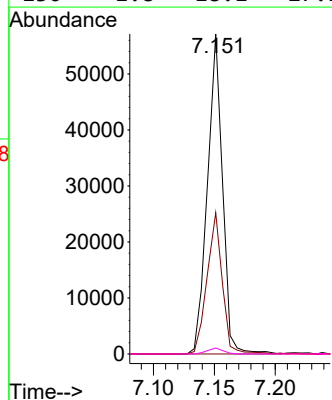
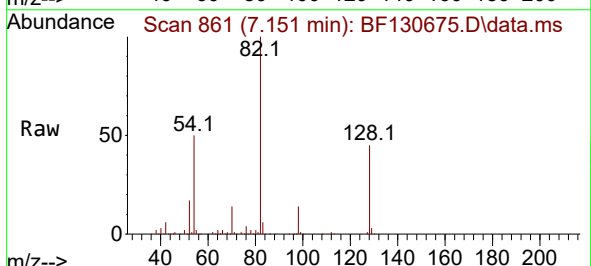
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

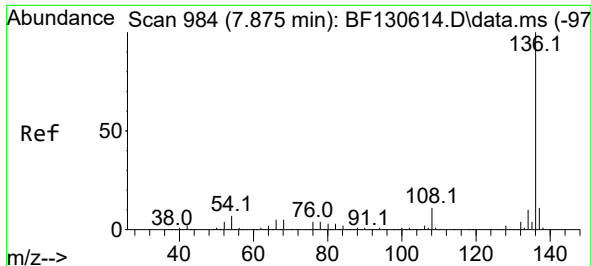
Tgt Ion: 99 Resp: 587693
Ion Ratio Lower Upper
99 100
42 17.1 14.0 21.0
71 36.6 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.206 ng
RT: 7.151 min Scan# 861
Delta R.T. 0.135 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Tgt Ion: 70 Resp: 49081
Ion Ratio Lower Upper
70 100
42 44.2 44.3 66.5#
101 0.0 7.9 11.9#
130 1.8 18.1 27.1#

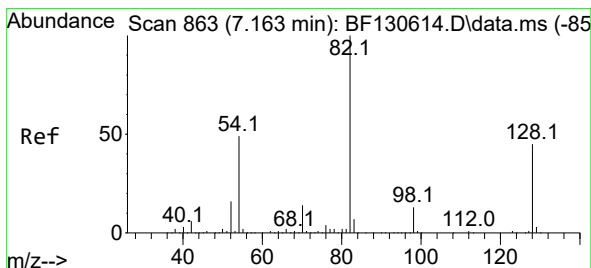
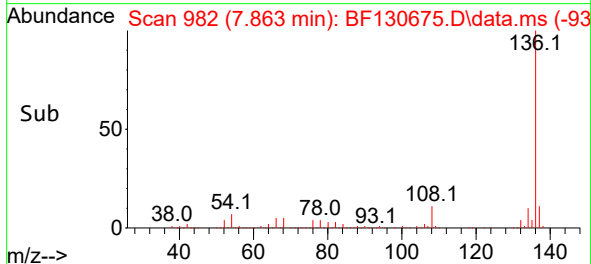
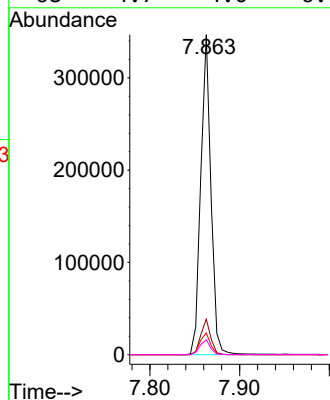
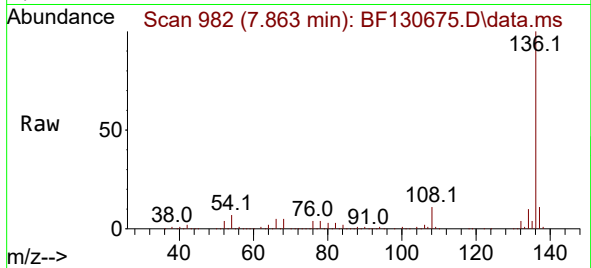




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.863 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

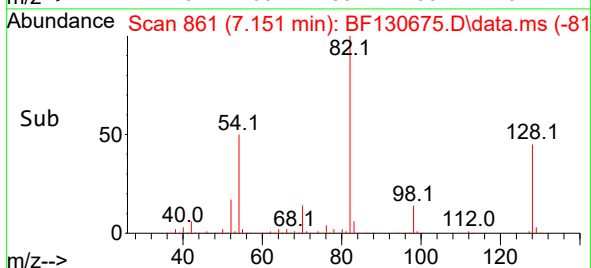
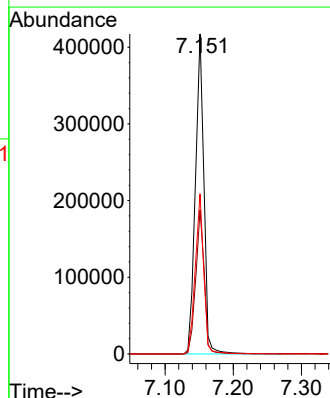
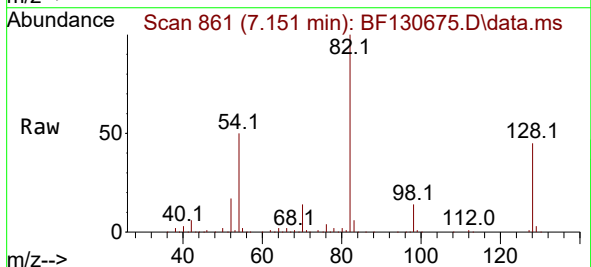
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

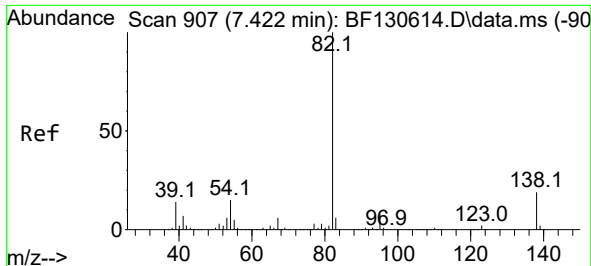
Tgt Ion:136 Resp: 273154
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.8 5.5 8.3
68 4.7 4.0 6.0



#23
Nitrobenzene-d5
Concen: 72.357 ng
RT: 7.151 min Scan# 861
Delta R.T. -0.012 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Tgt Ion: 82 Resp: 362052
Ion Ratio Lower Upper
82 100
128 45.0 35.8 53.6
54 50.0 39.3 58.9

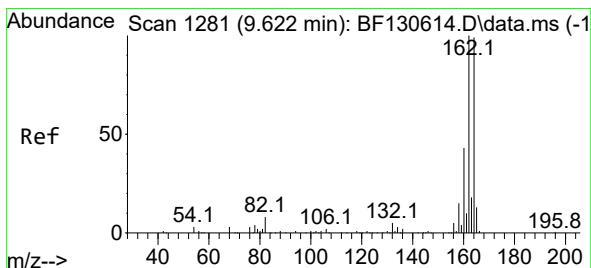
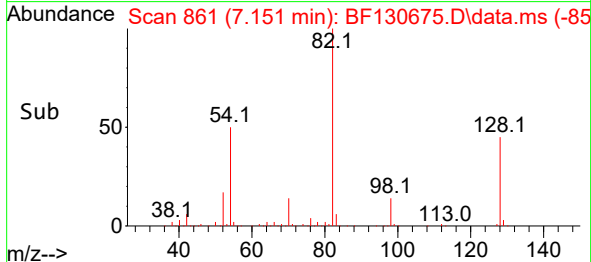
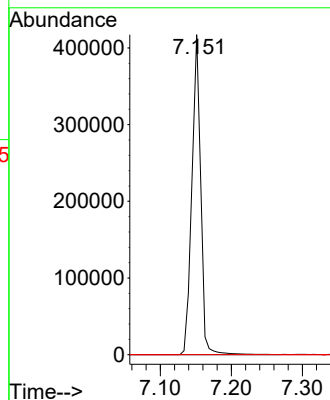
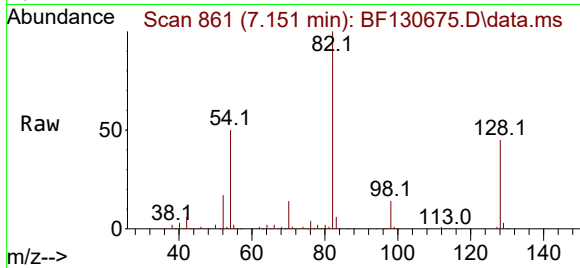




#25
Isophorone
Concen: 43.474 ng
RT: 7.151 min Scan# 80
Delta R.T. -0.271 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

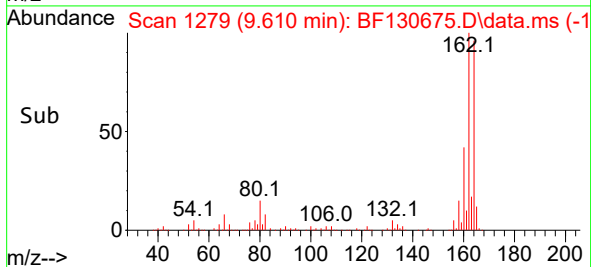
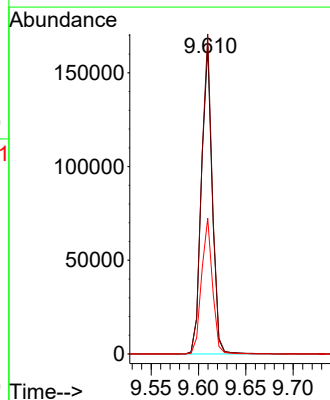
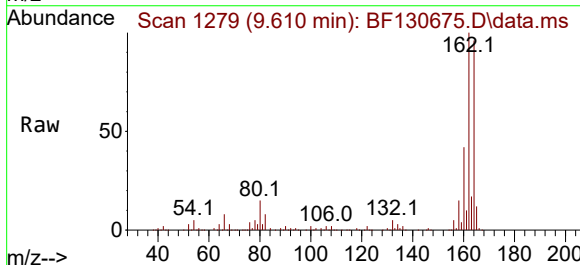
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

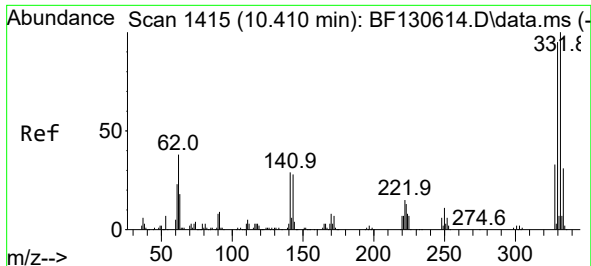
Tgt Ion: 82 Resp: 362048
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Tgt Ion:164 Resp: 130720
Ion Ratio Lower Upper
164 100
162 104.1 81.0 121.4
160 44.2 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 109.553 ng

RT: 10.398 min Scan# 1413

Delta R.T. -0.012 min

Lab File: BF130675.D

Acq: 14 Oct 2022 20:21

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

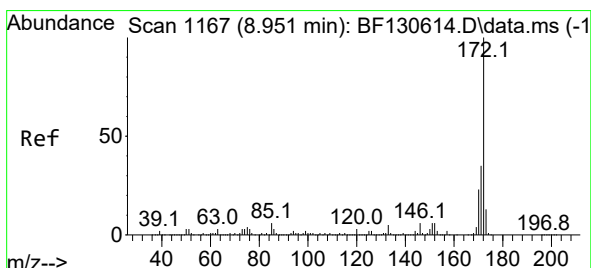
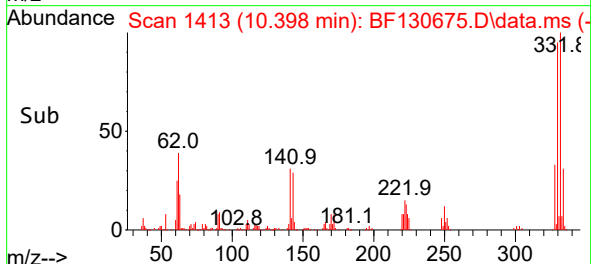
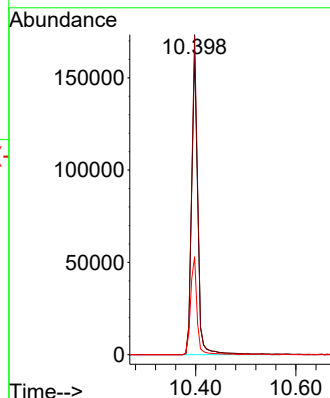
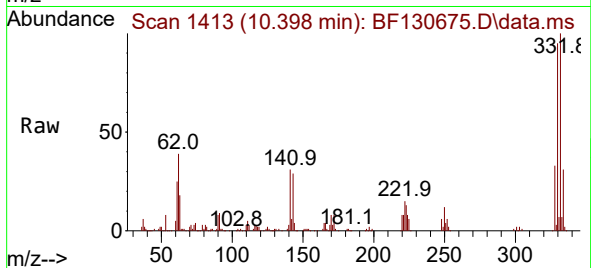
Tgt Ion:330 Resp: 140128

Ion Ratio Lower Upper

330 100

332 103.6 84.2 126.4

141 33.7 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 82.011 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF130675.D

Acq: 14 Oct 2022 20:21

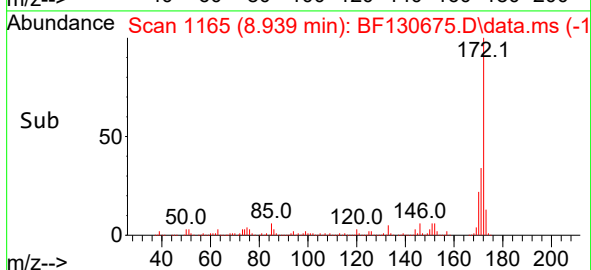
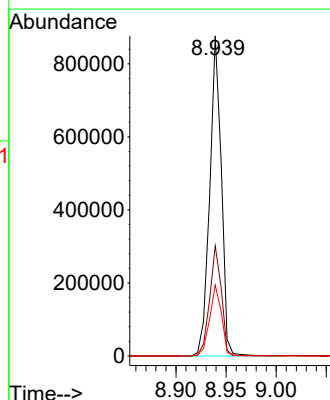
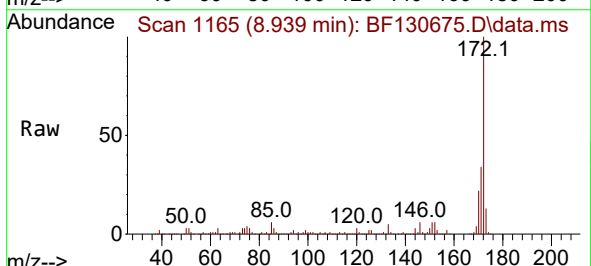
Tgt Ion:172 Resp: 707737

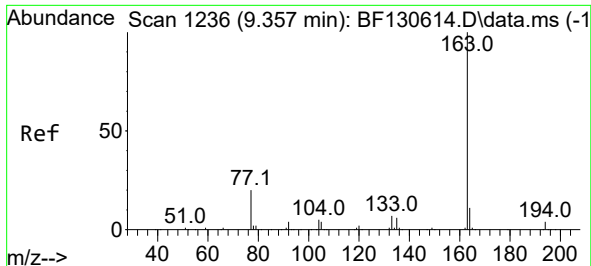
Ion Ratio Lower Upper

172 100

171 34.4 27.8 41.8

170 22.2 18.6 27.8

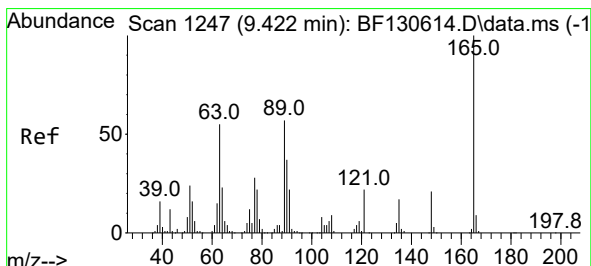
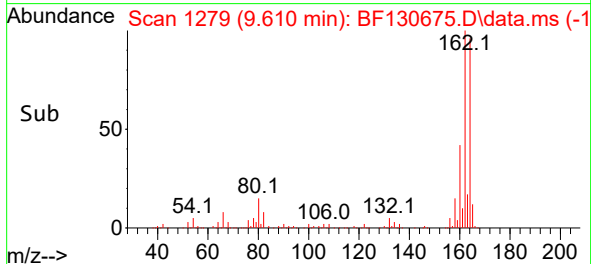
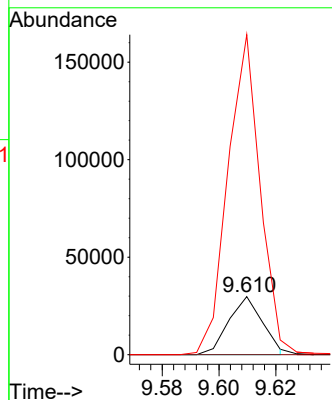
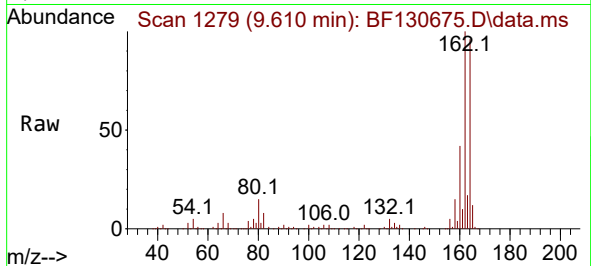




#50
Dimethylphthalate
Concen: 2.742 ng
RT: 9.610 min Scan# 1279
Delta R.T. 0.253 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

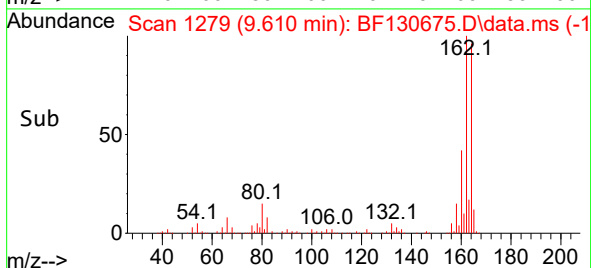
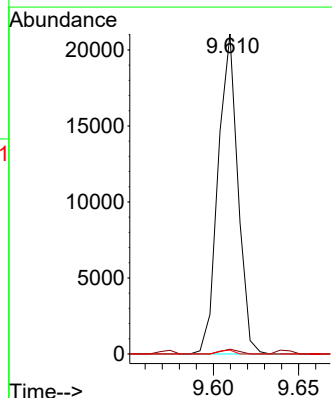
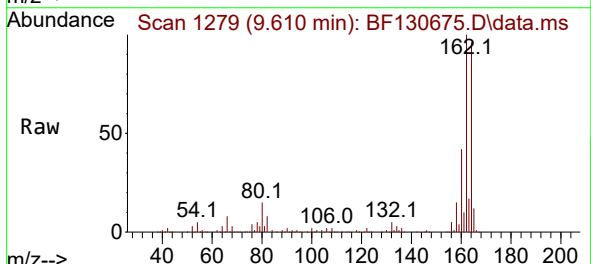
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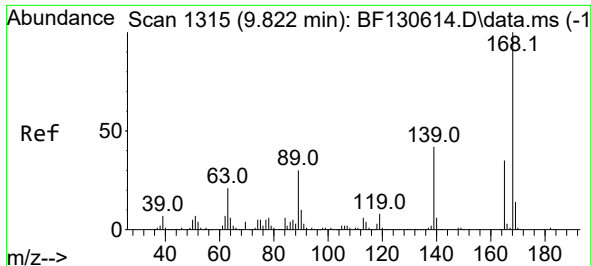
Tgt Ion:163 Resp: 24812
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 550.5 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.566 ng
RT: 9.610 min Scan# 1279
Delta R.T. 0.188 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

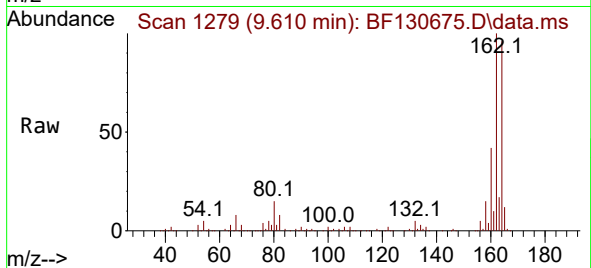
Tgt Ion:165 Resp: 17003
Ion Ratio Lower Upper
165 100
63 1.5 45.3 67.9#
89 1.2 45.6 68.4#



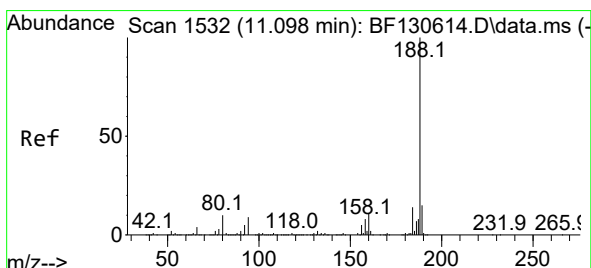
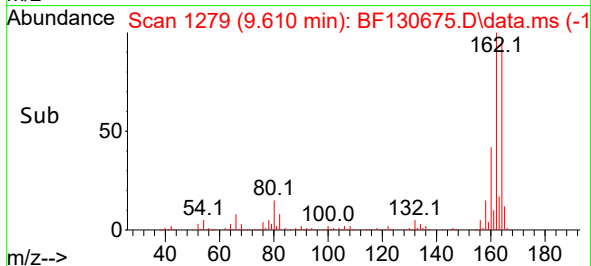
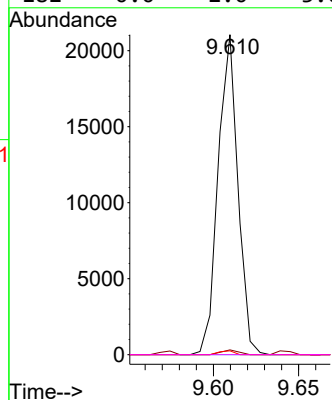


#57
2,4-Dinitrotoluene
Concen: 6.665 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

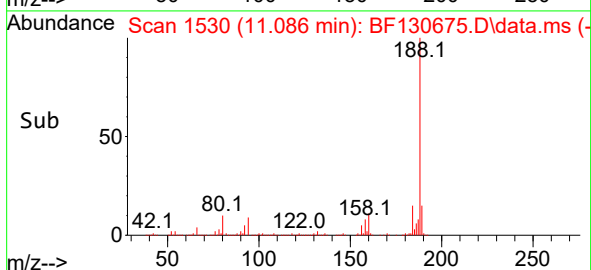
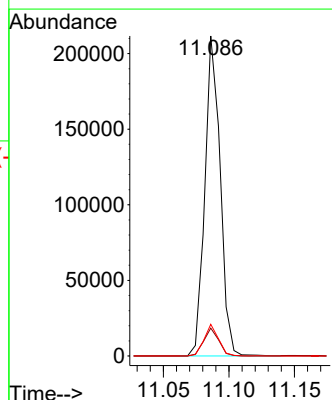
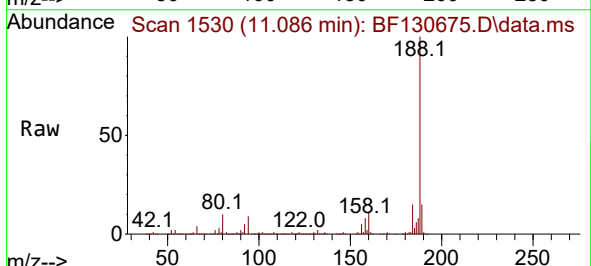


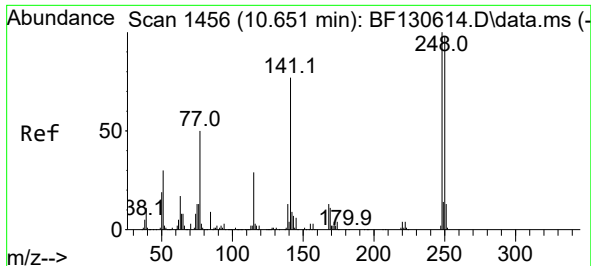
Tgt Ion:165 Resp: 17003
Ion Ratio Lower Upper
165 100
63 1.5 50.6 76.0#
89 1.2 68.6 102.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.086 min Scan# 1530
Delta R.T. -0.012 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Tgt Ion:188 Resp: 172807
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 9.9 8.0 12.0

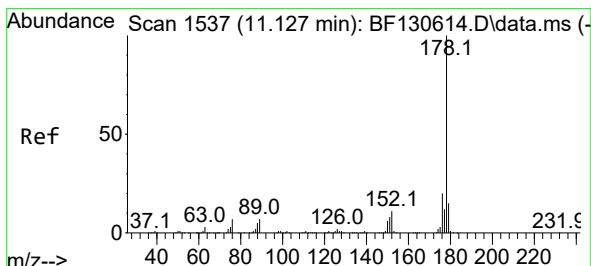
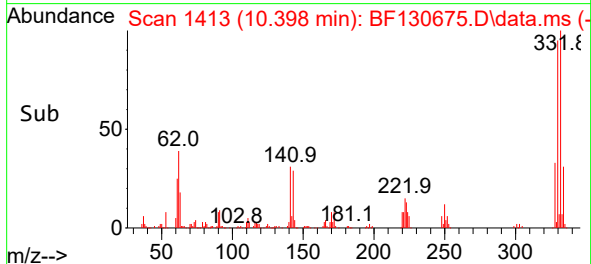
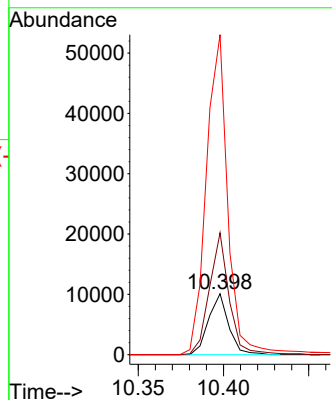
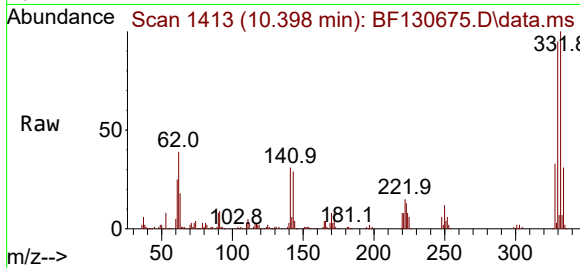




#67
4-Bromophenyl-phenylether
Concen: 4.266 ng
RT: 10.398 min Scan# 1456
Delta R.T. -0.253 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

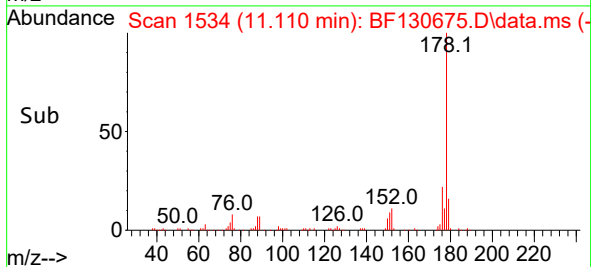
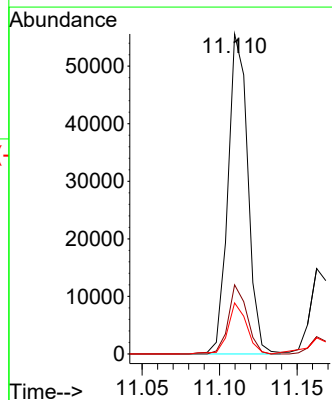
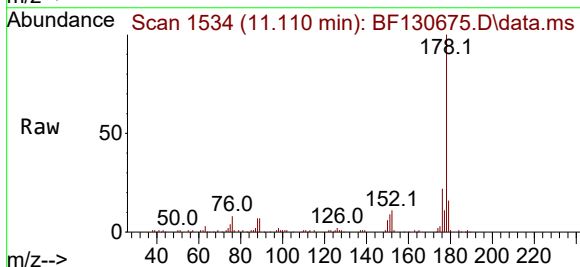
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

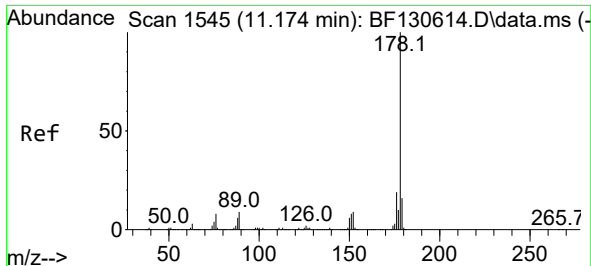
Tgt Ion:248 Resp: 8342
Ion Ratio Lower Upper
248 100
250 200.1 78.7 118.1#
141 525.1 61.6 92.4#



#71
Phenanthrene
Concen: 5.180 ng
RT: 11.110 min Scan# 1534
Delta R.T. -0.018 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Tgt Ion:178 Resp: 49596
Ion Ratio Lower Upper
178 100
176 21.6 15.7 23.5
179 15.9 12.2 18.4

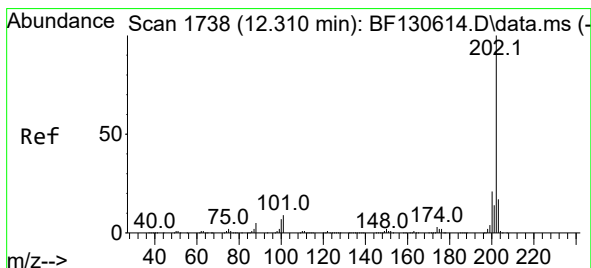
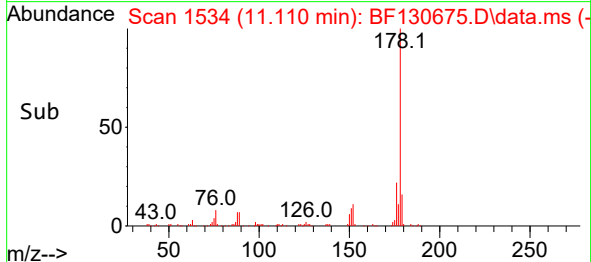
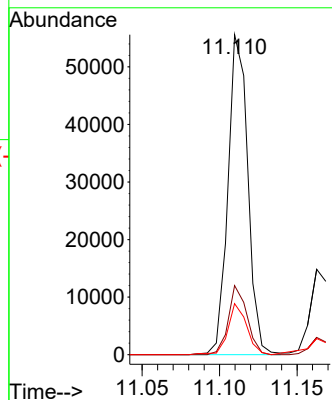
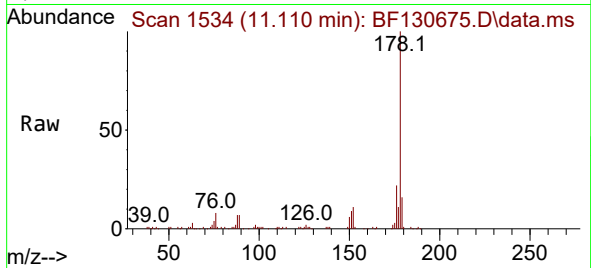




#72
 Anthracene
 Concen: 5.304 ng
 RT: 11.110 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF130675.D
 Acq: 14 Oct 2022 20:21

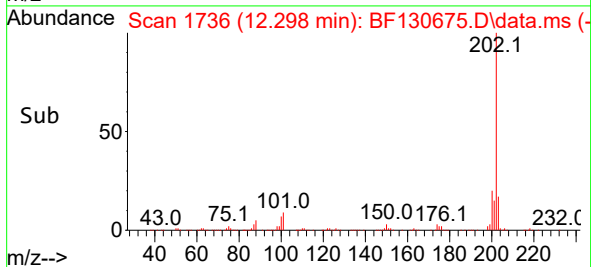
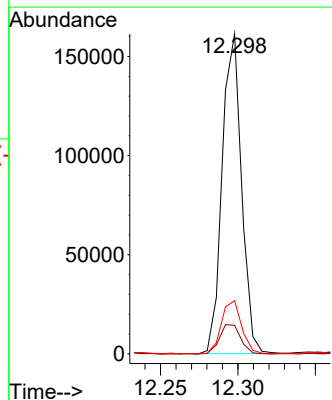
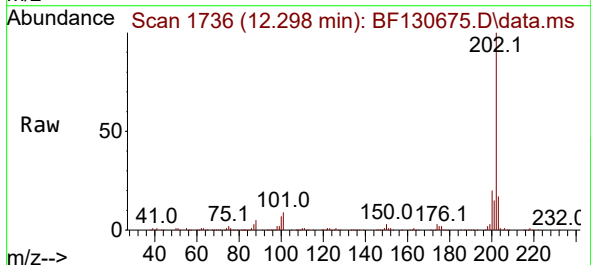
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

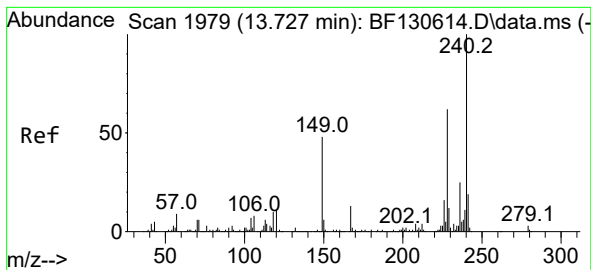
Tgt Ion:178 Resp: 49596
 Ion Ratio Lower Upper
 178 100
 176 21.6 15.0 22.4
 179 15.9 12.5 18.7



#75
 Fluoranthene
 Concen: 15.244 ng
 RT: 12.298 min Scan# 1736
 Delta R.T. -0.012 min
 Lab File: BF130675.D
 Acq: 14 Oct 2022 20:21

Tgt Ion:202 Resp: 140268
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 29.1
 203 16.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.721 min Scan# 1979

Delta R.T. -0.006 min

Lab File: BF130675.D

Acq: 14 Oct 2022 20:21

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

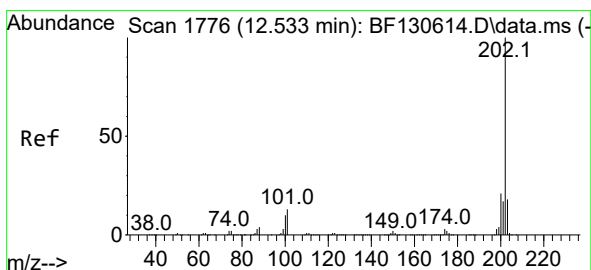
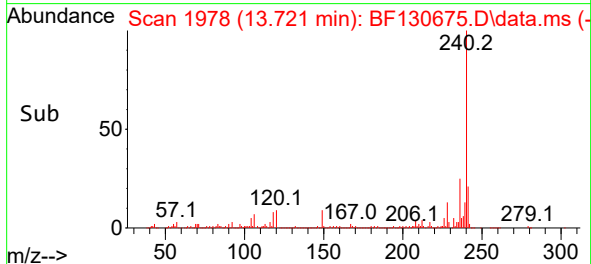
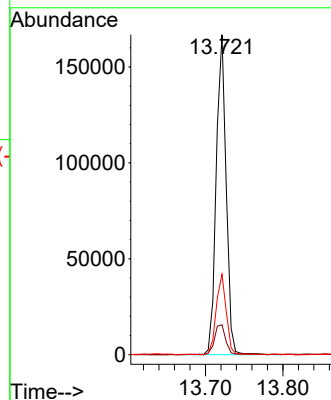
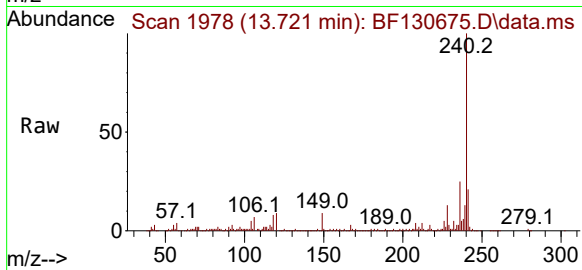
Tgt Ion:240 Resp: 148500

Ion Ratio Lower Upper

240 100

120 9.4 8.6 13.0

236 25.1 20.2 30.4



#78

Pyrene

Concen: 10.734 ng

RT: 12.521 min Scan# 1774

Delta R.T. -0.012 min

Lab File: BF130675.D

Acq: 14 Oct 2022 20:21

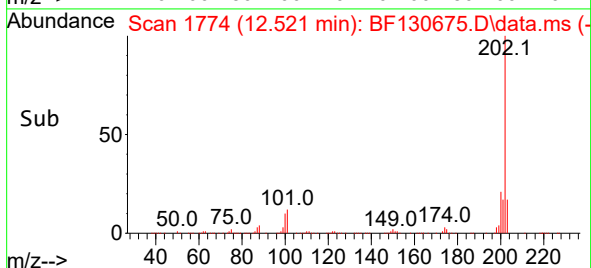
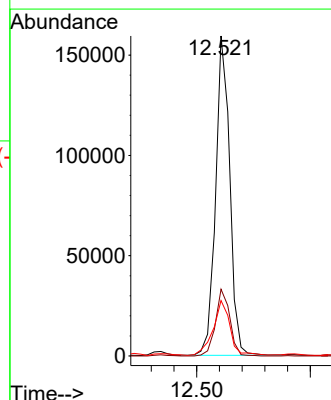
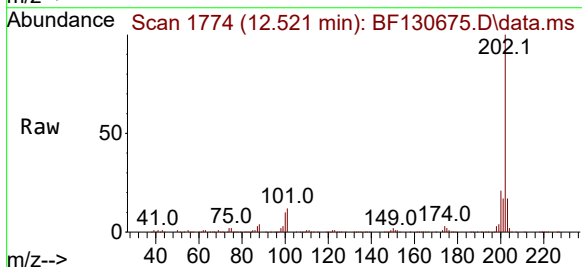
Tgt Ion:202 Resp: 137515

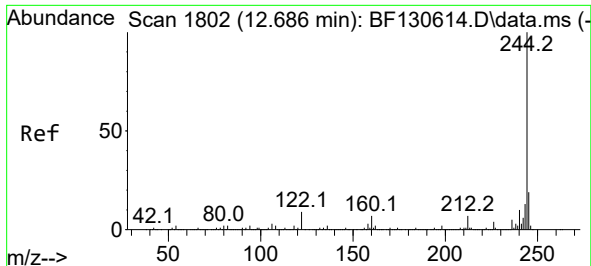
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

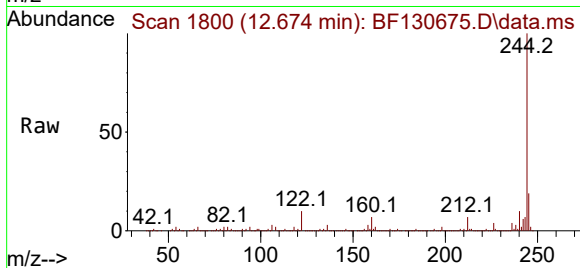
203 17.3 14.0 21.0



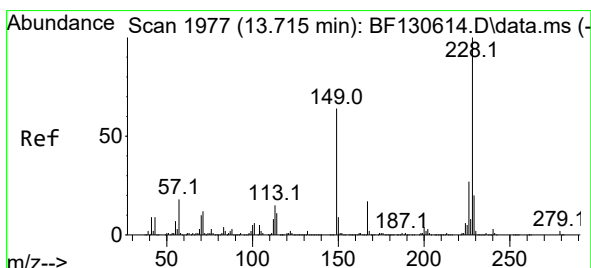
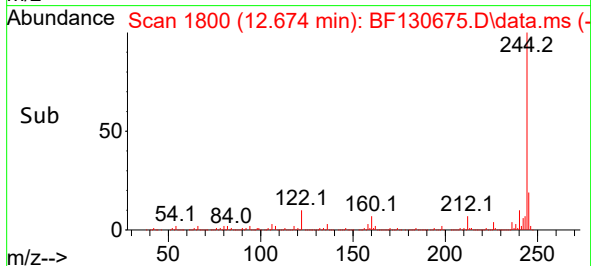
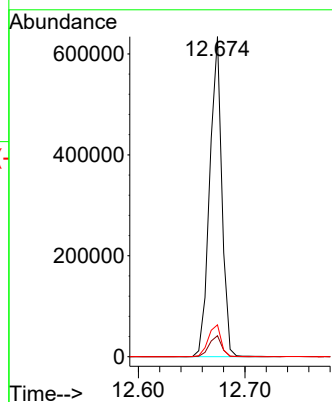


#79
 Terphenyl-d14
 Concen: 56.159 ng
 RT: 12.674 min Scan# 1800
 Delta R.T. -0.012 min
 Lab File: BF130675.D
 Acq: 14 Oct 2022 20:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

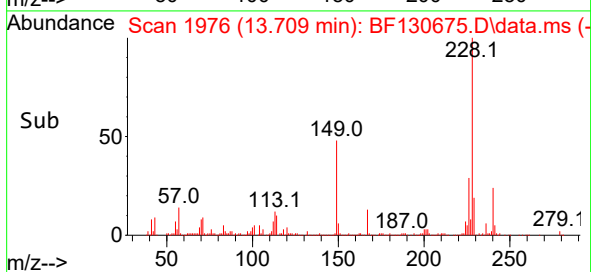
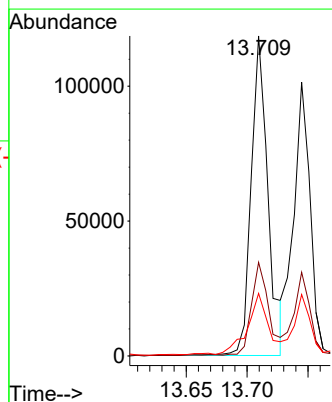
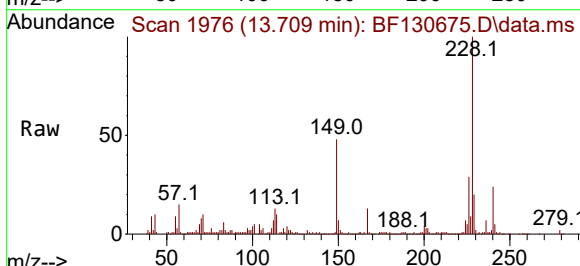


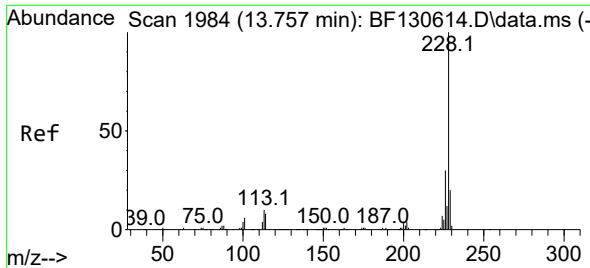
Tgt Ion:244 Resp: 502464
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.9 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 11.371 ng
 RT: 13.709 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: BF130675.D
 Acq: 14 Oct 2022 20:21

Tgt Ion:228 Resp: 113778
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.4 32.2
 229 19.6 15.8 23.8

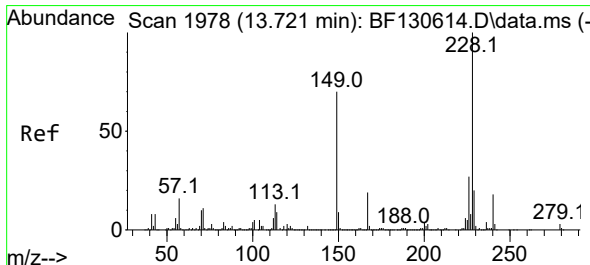
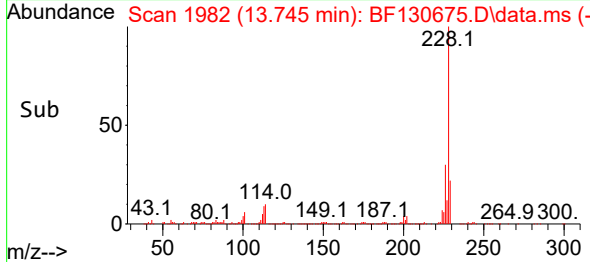
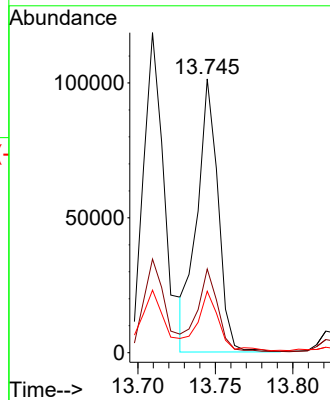
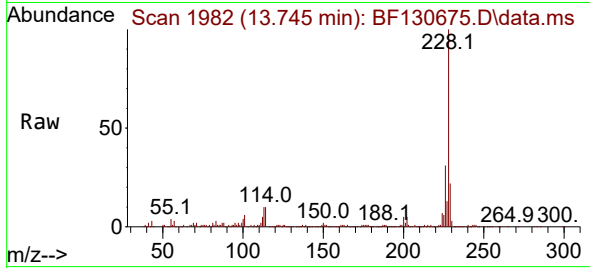




#83
Chrysene
Concen: 10.095 ng
RT: 13.745 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

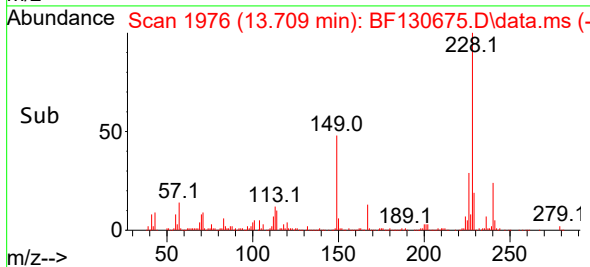
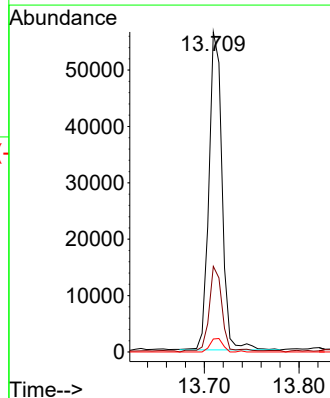
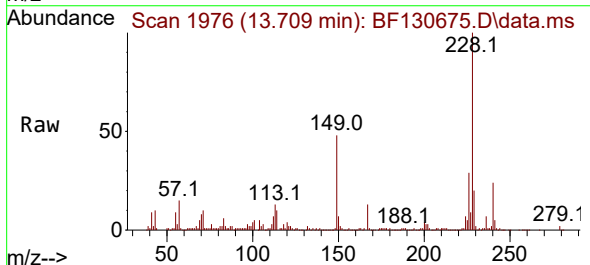
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

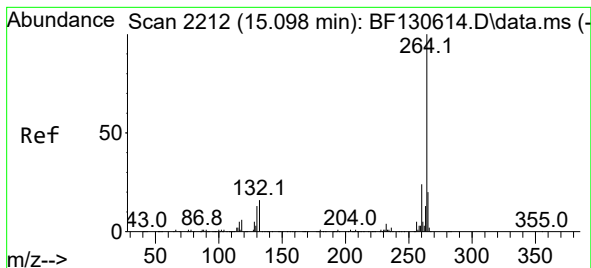
Tgt Ion:228	Resp:	95770
Ion Ratio	Lower	Upper
228	100	
226	30.6	23.9 35.9
229	22.5	15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.059 ng
RT: 13.709 min Scan# 1976
Delta R.T. -0.012 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Tgt Ion:149	Resp:	54100
Ion Ratio	Lower	Upper
149	100	
167	26.8	21.9 32.9
279	4.0	3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130675.D

Acq: 14 Oct 2022 20:21

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

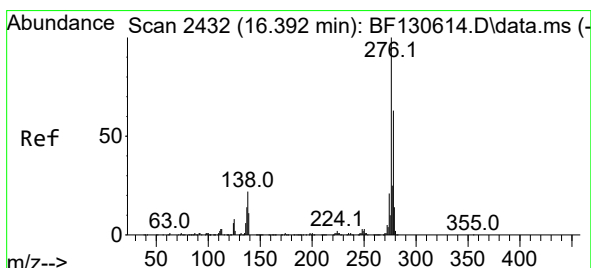
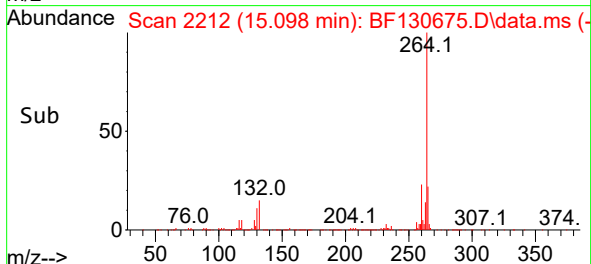
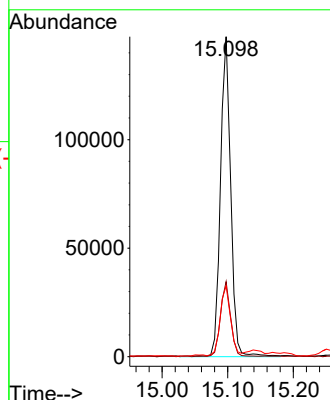
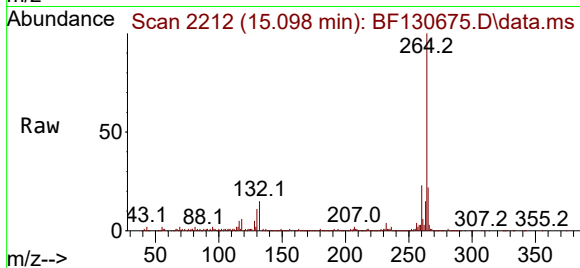
Tgt Ion:264 Resp: 159144

Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 22.1 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.539 ng

RT: 16.386 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BF130675.D

Acq: 14 Oct 2022 20:21

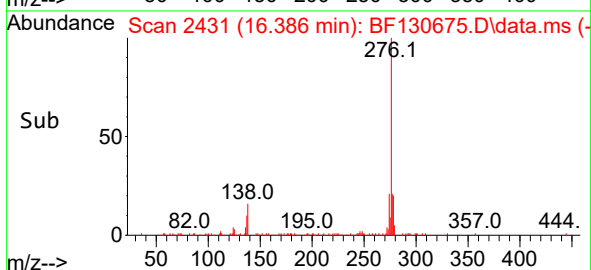
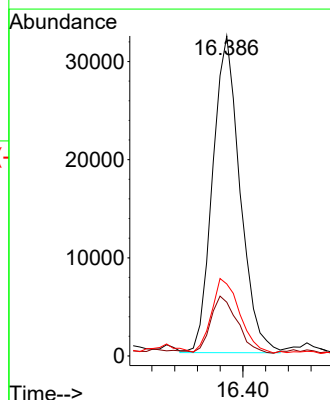
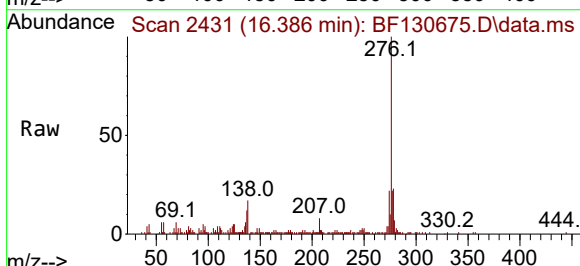
Tgt Ion:276 Resp: 54070

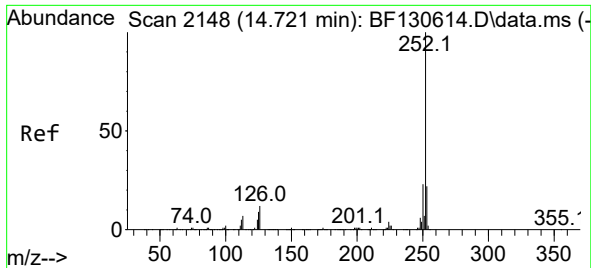
Ion Ratio Lower Upper

276 100

138 17.4 18.0 27.0#

277 23.7 20.0 30.0

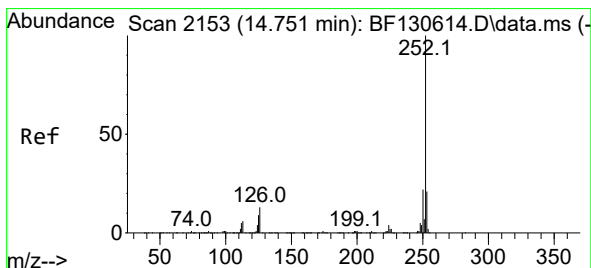
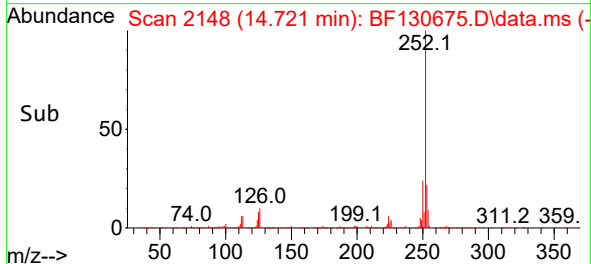
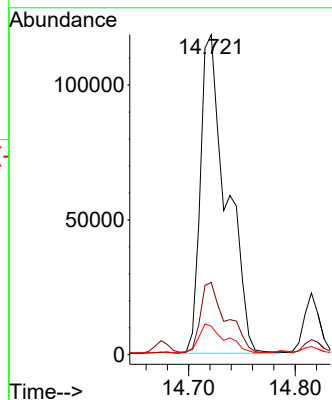
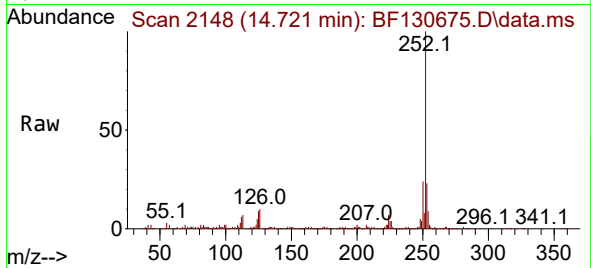




#88
Benzo(b)fluoranthene
Concen: 20.061 ng
RT: 14.721 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

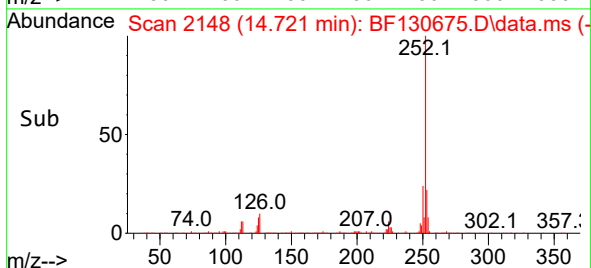
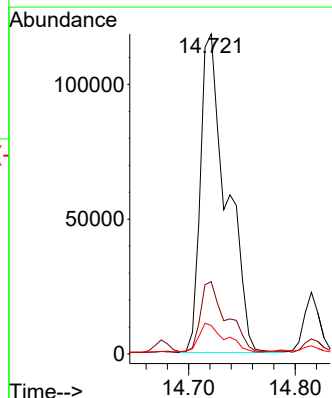
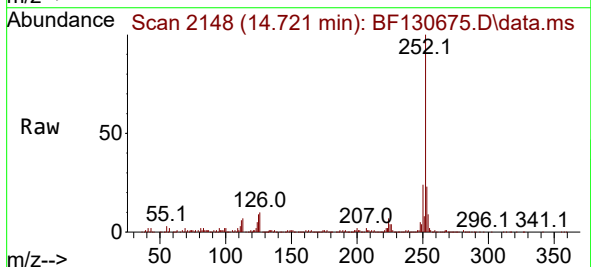
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

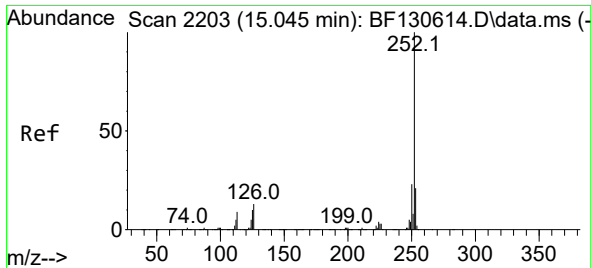
Tgt Ion:252 Resp: 202157
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 8.9 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 19.702 ng
RT: 14.721 min Scan# 2148
Delta R.T. -0.030 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Tgt Ion:252 Resp: 202157
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 8.9 7.2 10.8

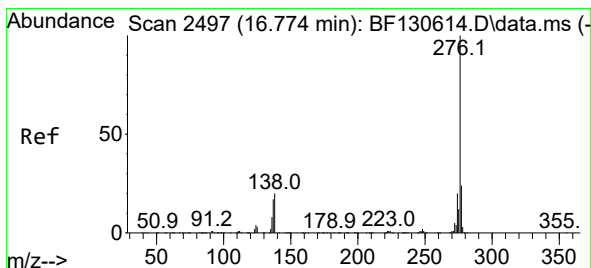
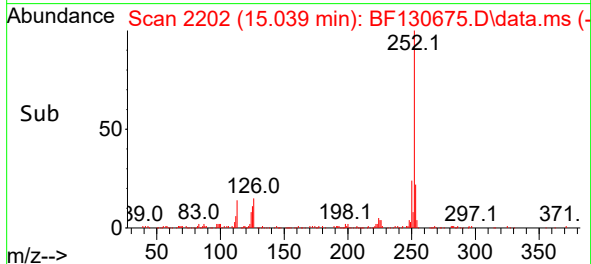
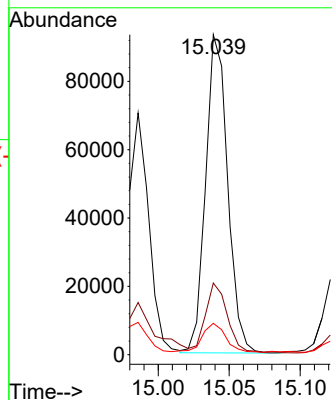
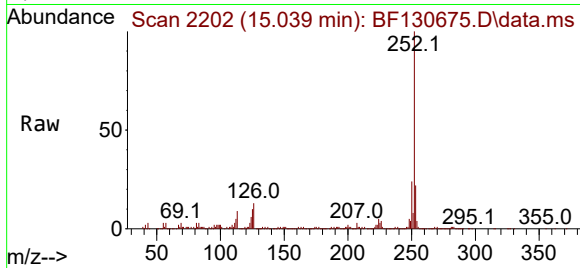




#90
Benzo(a)pyrene
Concen: 11.987 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tgt Ion:252 Resp: 100533
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 9.8 8.4 12.6



#92
Benzo(g,h,i)perylene
Concen: 5.305 ng
RT: 16.768 min Scan# 2496
Delta R.T. -0.006 min
Lab File: BF130675.D
Acq: 14 Oct 2022 20:21

Tgt Ion:276 Resp: 48239
Ion Ratio Lower Upper
276 100
277 23.4 18.9 28.3
138 17.8 15.9 23.9

