

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
 Data File : BF131603.D
 Acq On : 12 Dec 2022 20:47
 Operator : CG\JU
 Sample : N5997-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2803-COMP

Quant Time: Dec 13 04:18:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 13 04:12:13 2022
 Response via : Initial Calibration

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

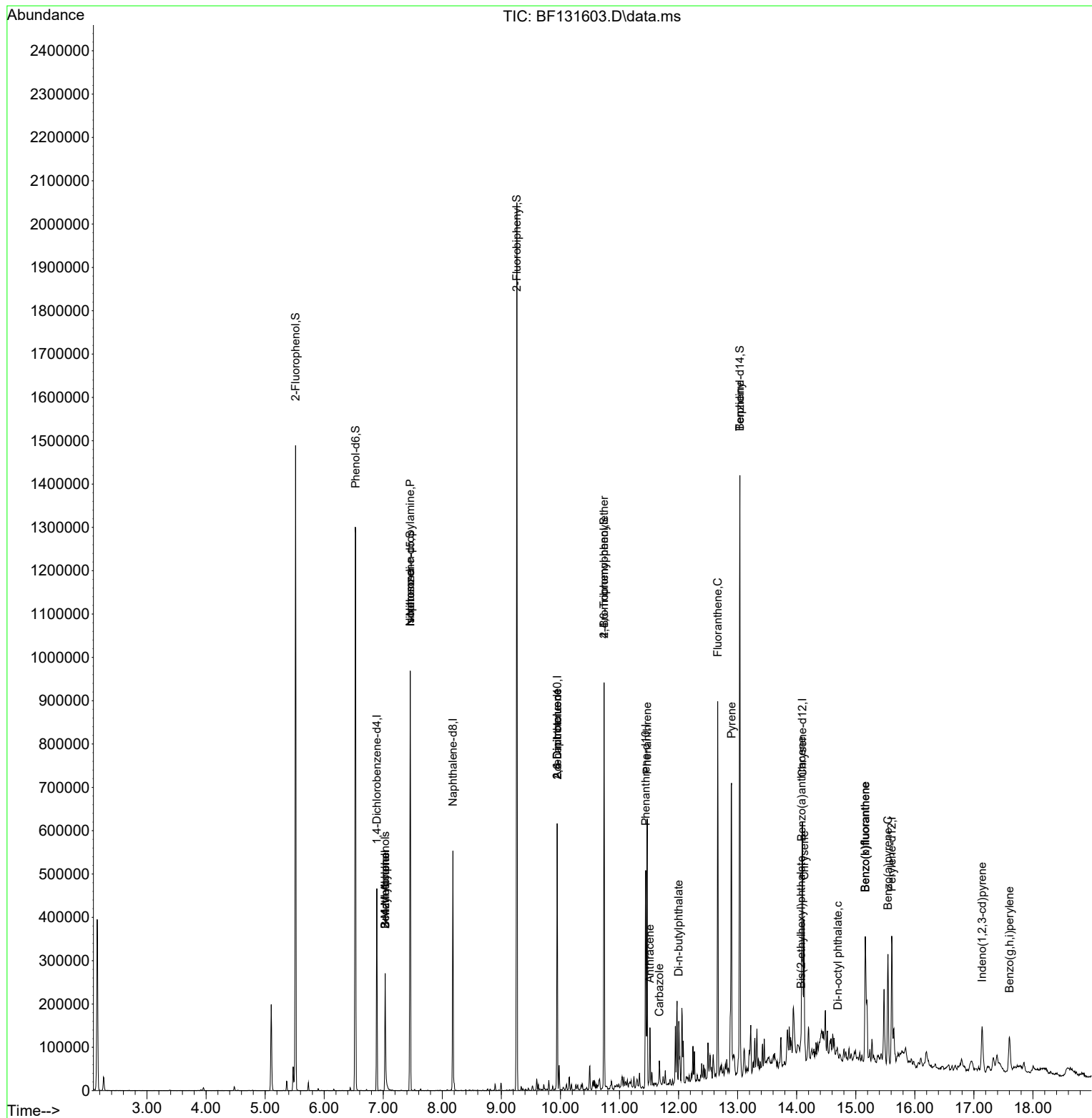
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	56023	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	202457	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	110457	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	177145	20.000	ng	0.00
76) Chrysene-d12	14.098	240	117882	20.000	ng	# 0.00
86) Perylene-d12	15.610	264	139325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	345241	102.808	ng	0.00
7) Phenol-d6	6.534	99	451215	102.535	ng	0.00
23) Nitrobenzene-d5	7.457	82	314866	58.798	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	88538	72.146	ng	-0.01
45) 2-Fluorobiphenyl	9.263	172	553137	63.141	ng	0.00
79) Terphenyl-d14	13.039	244	454163	52.836	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.034	79	58512	14.503	ng	97
17) 2-Methylphenol	7.034	107	27682	8.631	ng	# 19
19) n-Nitroso-di-n-propyla...	7.457	70	44397	13.455	ng	# 79
20) 3+4-Methylphenols	7.034	107	26729	6.119	ng	# 19
25) Isophorone	7.457	82	314940	36.512	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	13692	7.876	ng	# 10
57) 2,4-Dinitrotoluene	9.945	165	13692	5.938	ng	# 16
67) 4-Bromophenyl-phenylether	10.739	248	5847	2.566	ng	# 1
71) Phenanthrene	11.469	178	198617	20.115	ng	99
72) Anthracene	11.516	178	44317	4.613	ng	99
73) Carbazole	11.675	167	17023	2.171	ng	99
74) Di-n-butylphthalate	12.004	149	61768	6.421	ng	99
75) Fluoranthene	12.663	202	301067	29.611	ng	99
77) Benzidine	13.039	184	7486	2.370	ng	# 88
78) Pyrene	12.898	202	292638	25.176	ng	99
81) Benzo(a)anthracene	14.086	228	147963	17.381	ng	100
83) Chrysene	14.127	228	133975	16.554	ng	98
84) Bis(2-ethylhexyl)phtha...	14.074	149	3139	3.674	ng	# 86
85) Di-n-octyl phthalate	14.698	149	457	5.273	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.139	276	73158	6.434	ng	99
88) Benzo(b)fluoranthene	15.163	252	222469	24.227	ng	98
89) Benzo(k)fluoranthene	15.163	252	222469	23.211	ng	# 97
90) Benzo(a)pyrene	15.545	252	129183	16.485	ng	98
92) Benzo(g,h,i)perylene	17.604	276	68859	7.321	ng	99

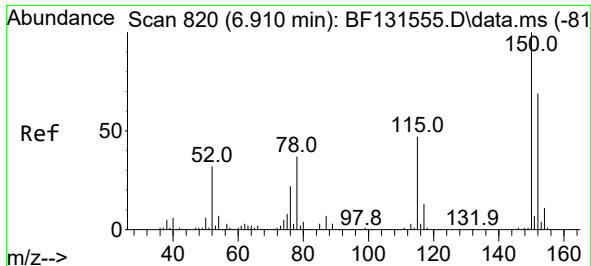
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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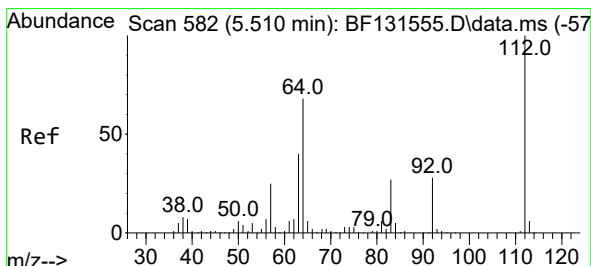
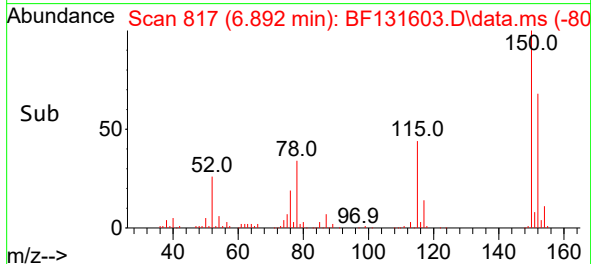
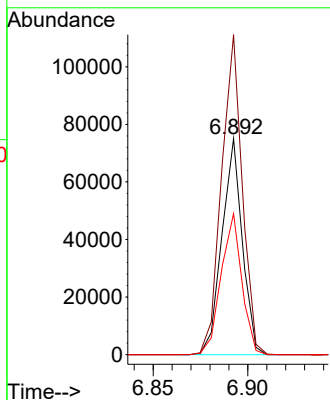
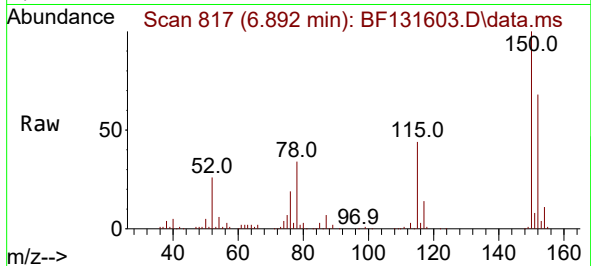




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

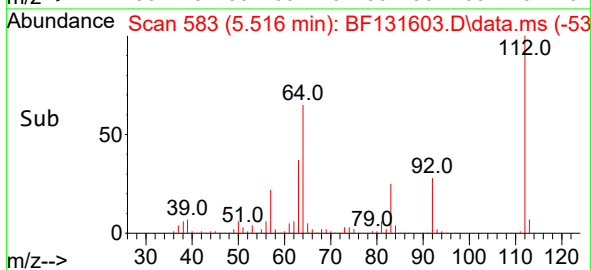
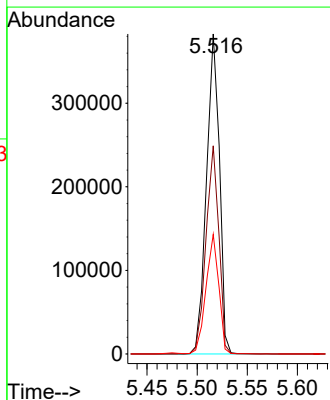
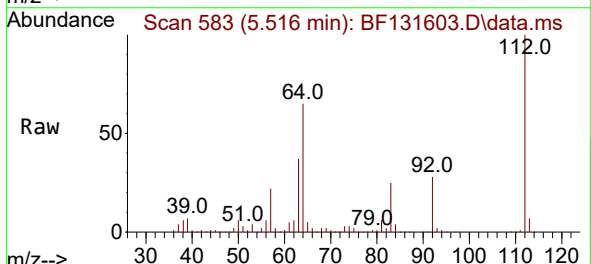
Instrument :
BNA_F
ClientSampleId :
2803-COMP

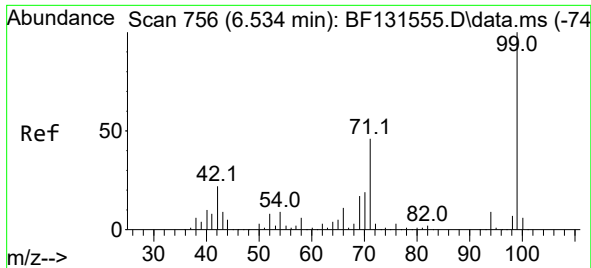
Tgt Ion:152 Resp: 56023
Ion Ratio Lower Upper
152 100
150 148.0 116.7 175.1
115 65.3 54.6 82.0



#5
2-Fluorophenol
Concen: 102.808 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion:112 Resp: 345241
Ion Ratio Lower Upper
112 100
64 65.1 54.5 81.7
63 37.4 31.9 47.9

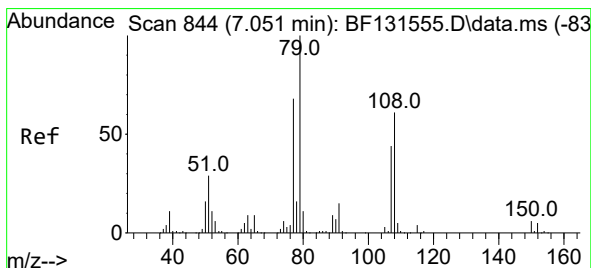
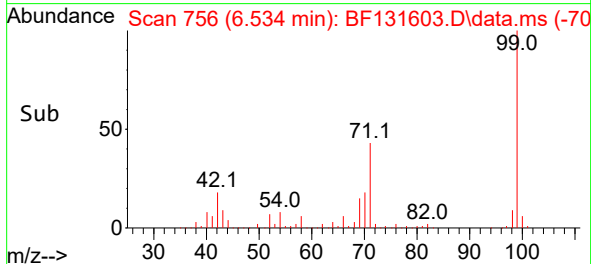
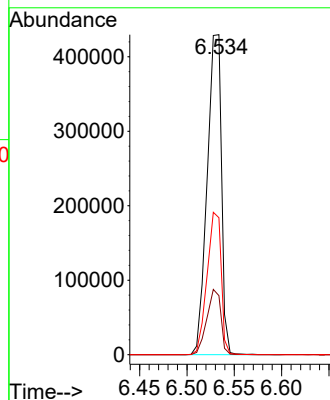
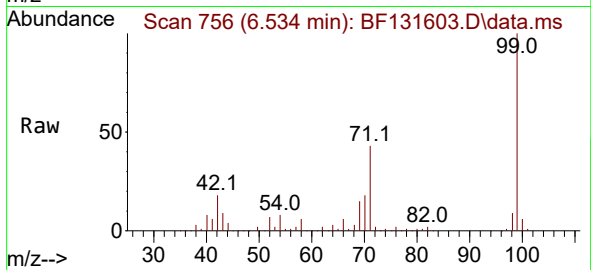




#7
Phenol-d6
Concen: 102.535 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

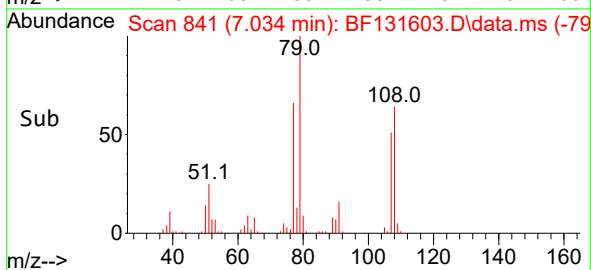
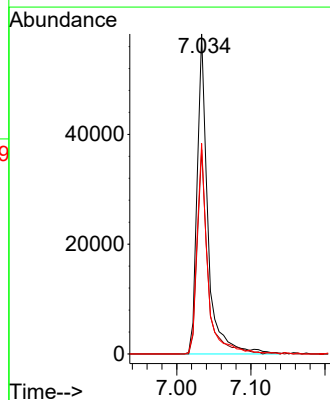
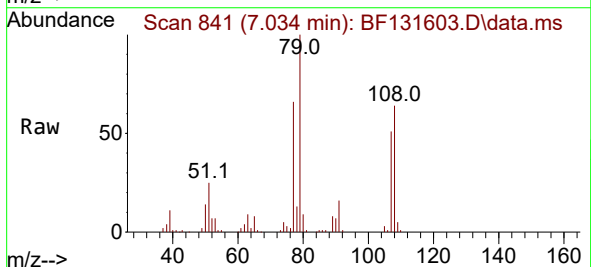
Instrument :
BNA_F
ClientSampleId :
2803-COMP

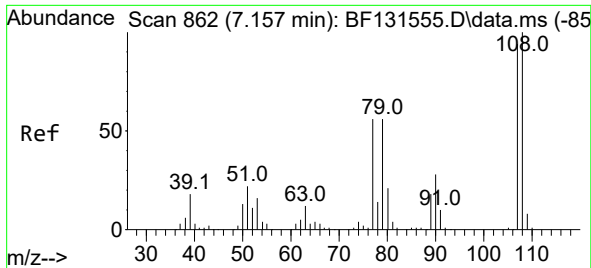
Tgt Ion: 99 Resp: 451215
Ion Ratio Lower Upper
99 100
42 18.4 17.9 26.9
71 42.8 37.2 55.8



#15
Benzyl Alcohol
Concen: 14.503 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion: 79 Resp: 58512
Ion Ratio Lower Upper
79 100
108 63.8 49.2 73.8
77 65.8 54.5 81.7

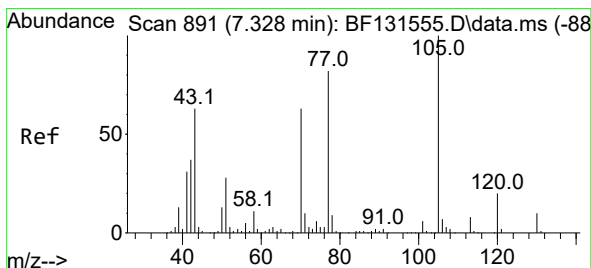
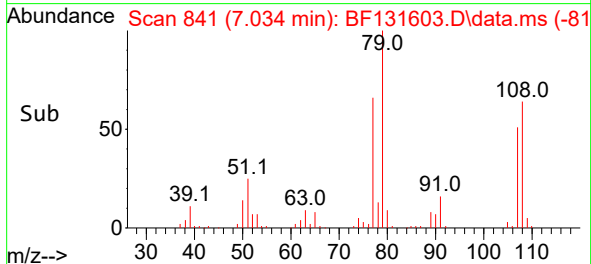
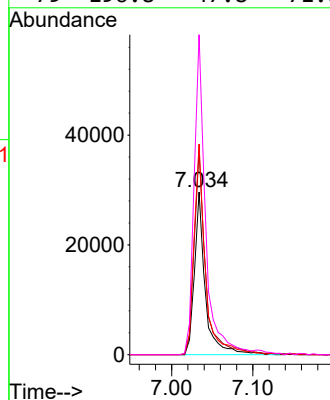
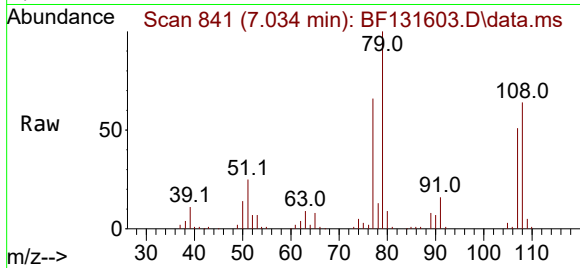




#17
2-Methylphenol
Concen: 8.631 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.118 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

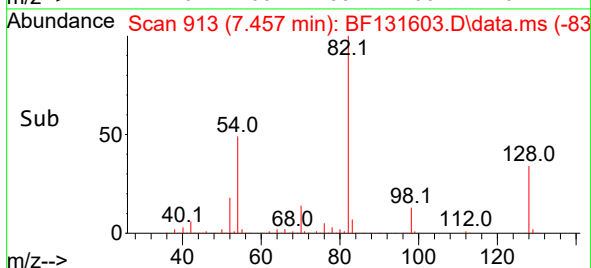
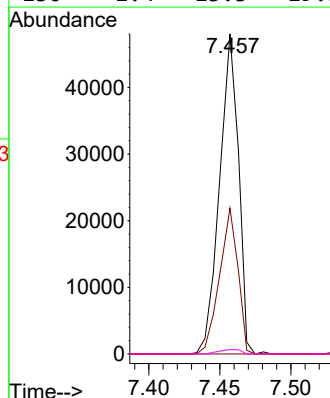
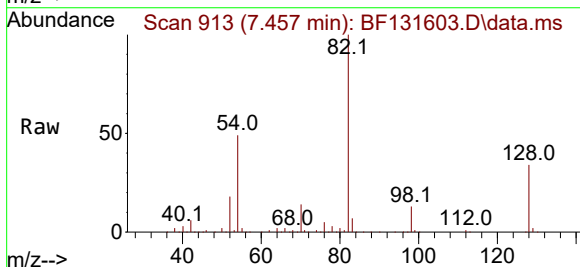
Instrument :
BNA_F
ClientSampleId :
2803-COMP

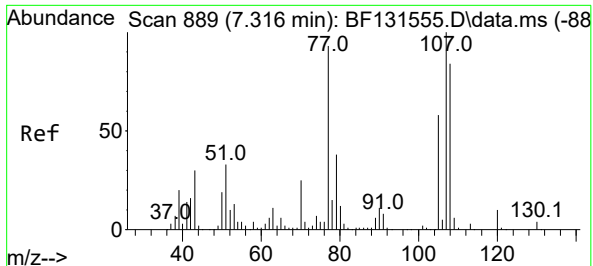
Tgt Ion:	107	Resp:	27682
Ion	Ratio	Lower	Upper
107	100		
108	125.6	85.5	128.3
77	129.5	48.2	72.4#
79	196.8	47.8	71.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.455 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.141 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion:	70	Resp:	44397
Ion	Ratio	Lower	Upper
70	100		
42	45.6	46.4	69.6#
101	0.0	7.2	10.8#
130	1.4	13.3	19.9#

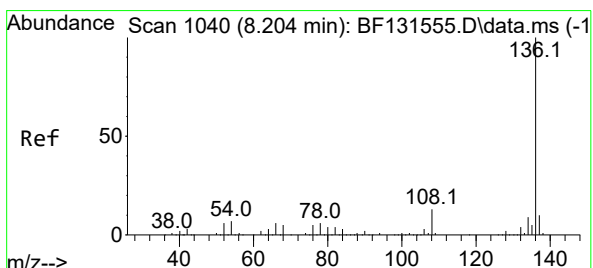
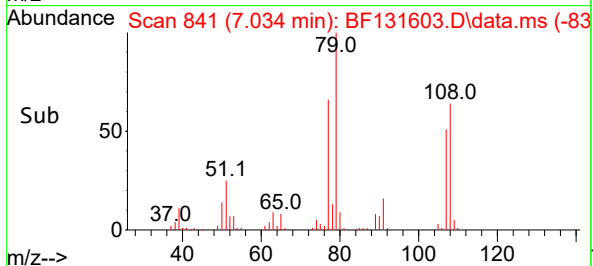
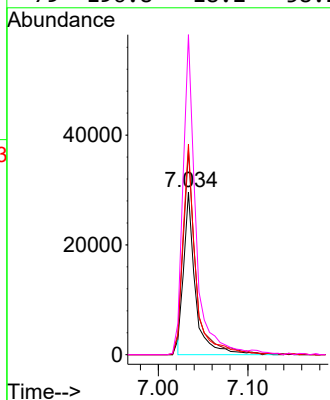
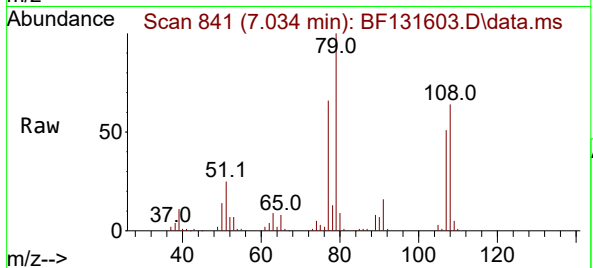




#20
3+4-Methylphenols
Concen: 6.119 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.276 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

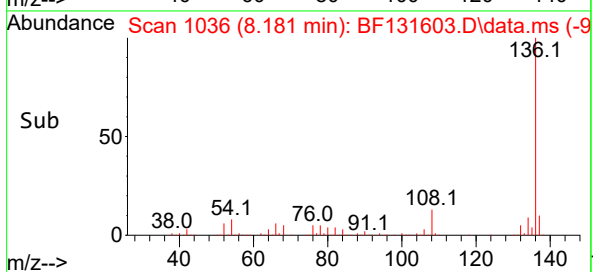
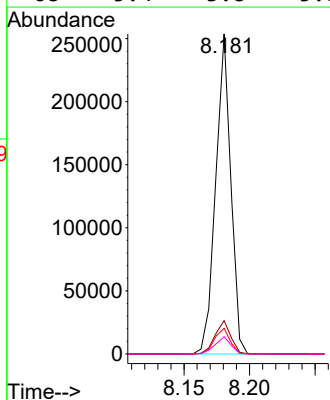
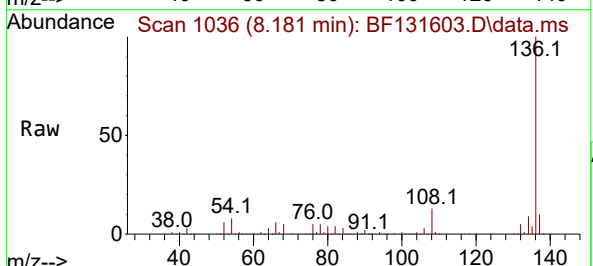
Instrument :
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ClientSampleId :
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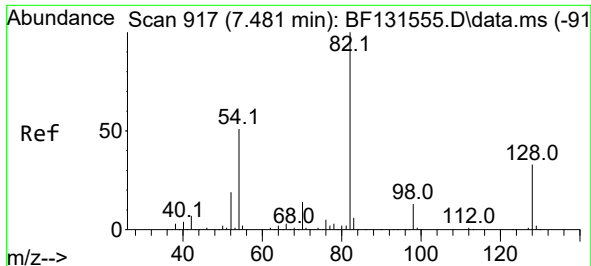
Tgt Ion:107	Resp:	26729
Ion	Ratio	Lower Upper
107	100	
108	125.6	64.0 104.0#
77	129.5	73.1 113.1#
79	196.8	18.2 58.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion:136	Resp:	202457
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.1 12.1
54	8.0	6.0 9.0
68	5.4	3.8 5.8





#23

Nitrobenzene-d5

Concen: 58.798 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

Instrument :

BNA_F

ClientSampleId :

2803-COMP

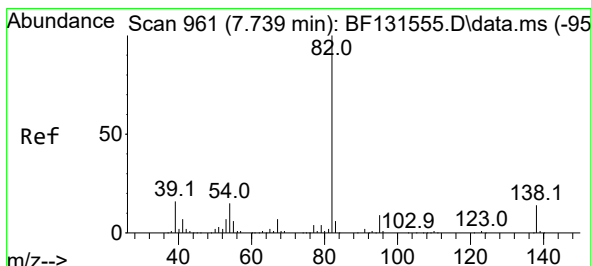
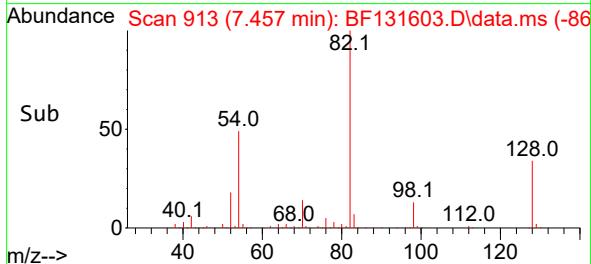
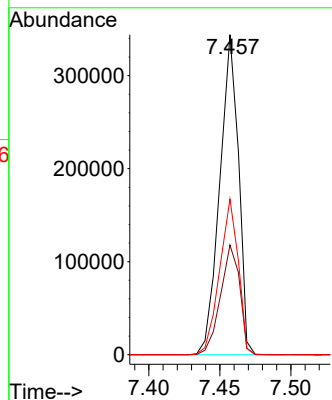
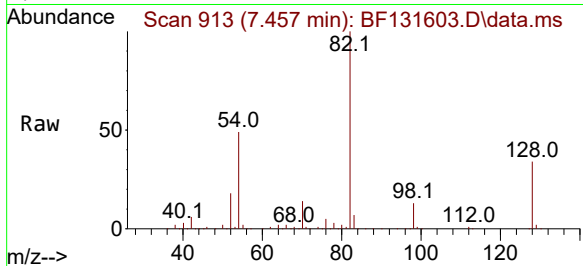
Tgt Ion: 82 Resp: 314866

Ion Ratio Lower Upper

82 100

128 34.3 26.1 39.1

54 48.6 40.6 60.8



#25

Isophorone

Concen: 36.512 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.265 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

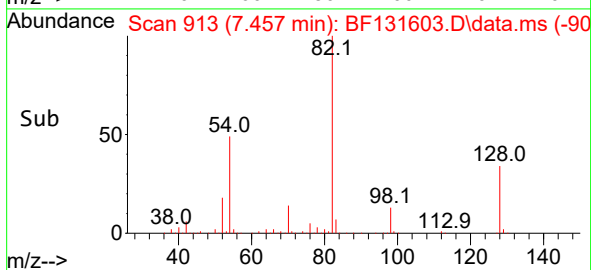
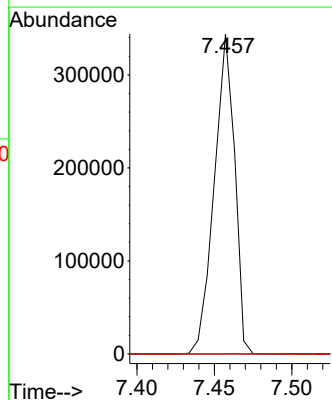
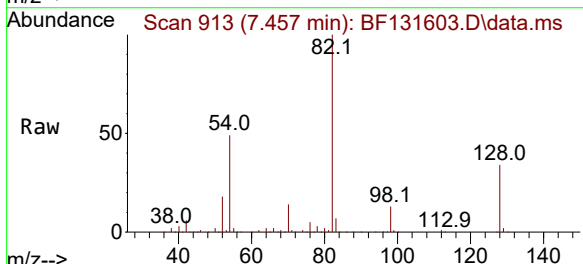
Tgt Ion: 82 Resp: 314940

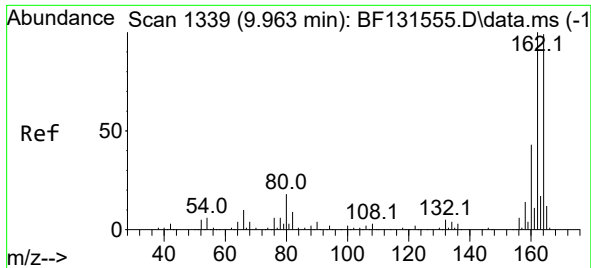
Ion Ratio Lower Upper

82 100

95 0.0 6.9 10.3#

138 0.0 11.4 17.0#

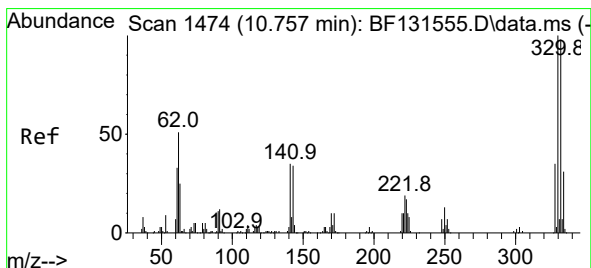
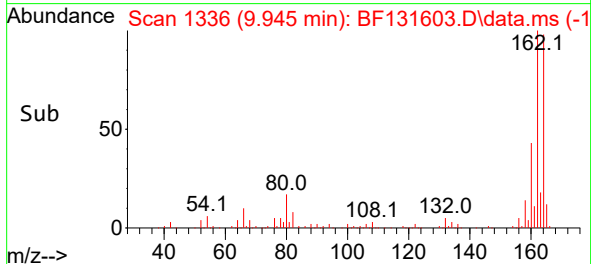
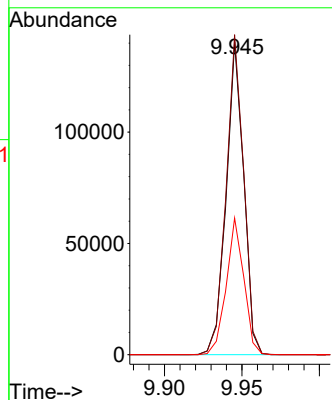
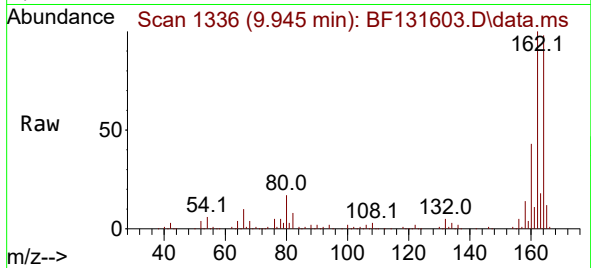




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

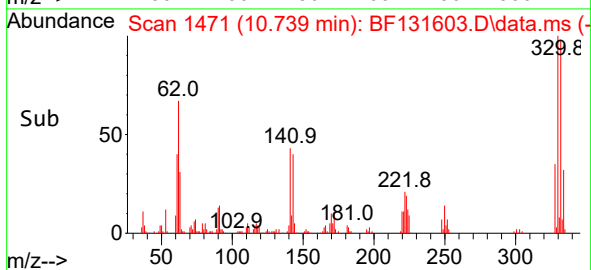
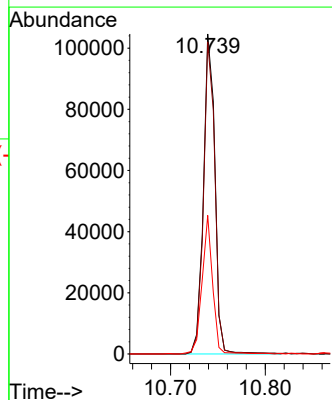
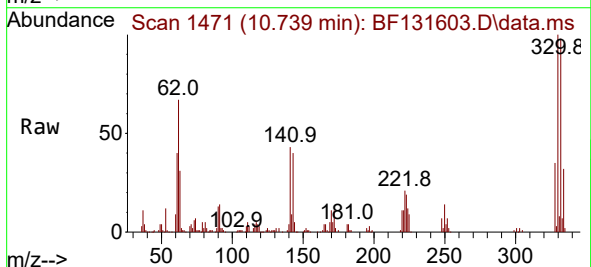
Instrument :
BNA_F
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2803-COMP

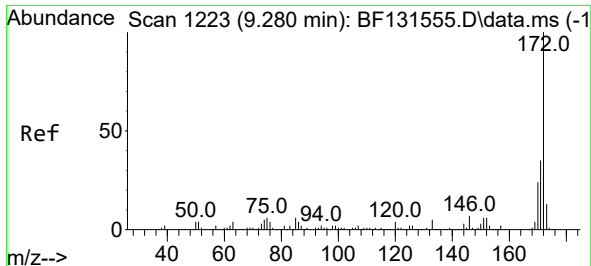
Tgt Ion:164 Resp: 110457
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.6
160 43.7 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 72.146 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.012 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion:330 Resp: 88538
Ion Ratio Lower Upper
330 100
332 95.8 78.3 117.5
141 39.7 32.6 49.0





#45

2-Fluorobiphenyl

Concen: 63.141 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

Instrument :

BNA_F

ClientSampleId :

2803-COMP

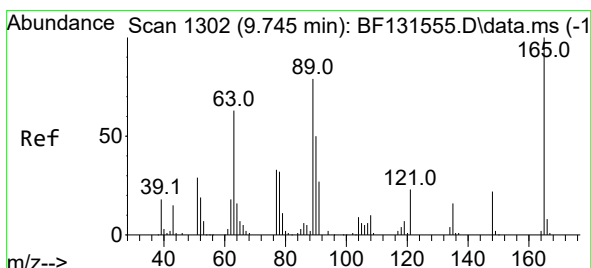
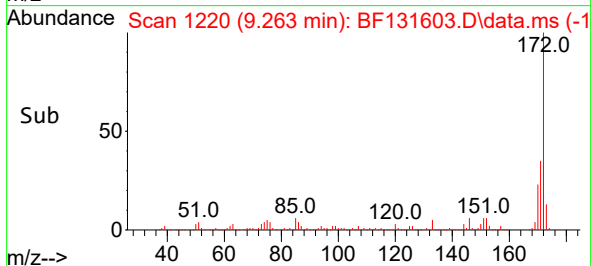
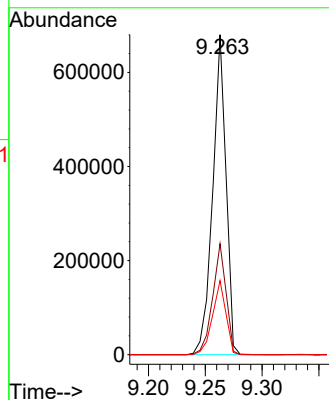
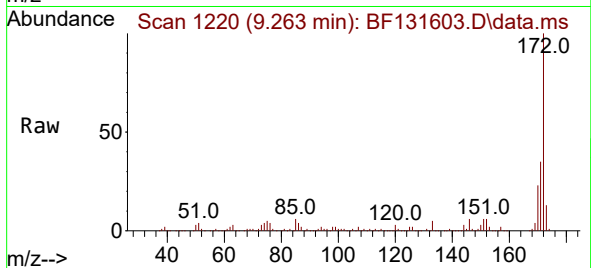
Tgt Ion:172 Resp: 553137

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 23.2 19.3 28.9



#51

2,6-Dinitrotoluene

Concen: 7.876 ng

RT: 9.945 min Scan# 1336

Delta R.T. 0.206 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

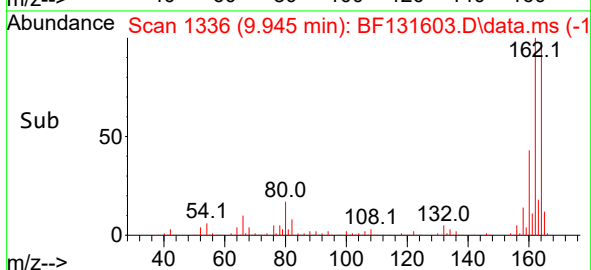
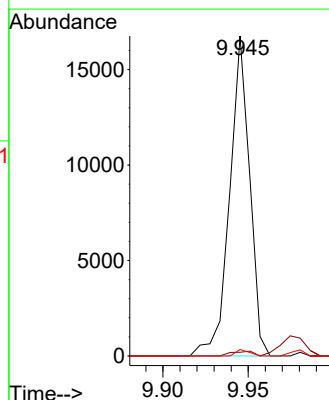
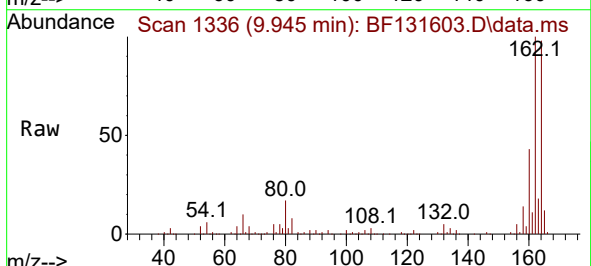
Tgt Ion:165 Resp: 13692

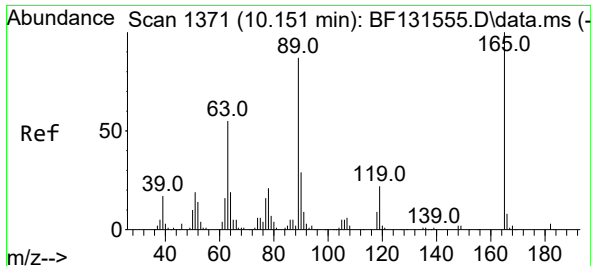
Ion Ratio Lower Upper

165 100

63 1.2 67.9 101.9#

89 2.0 63.2 94.8#

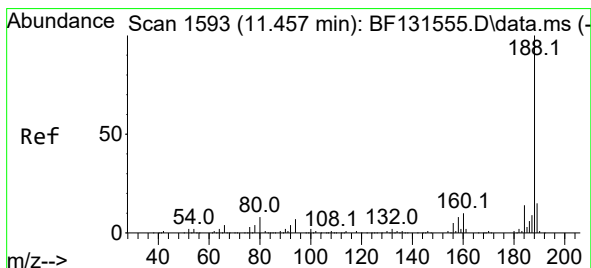
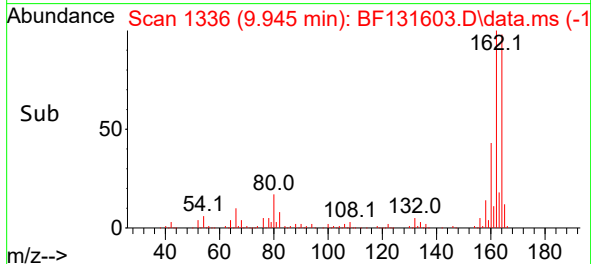
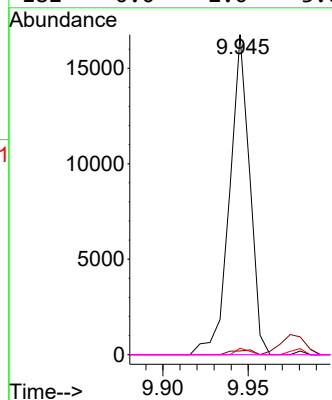
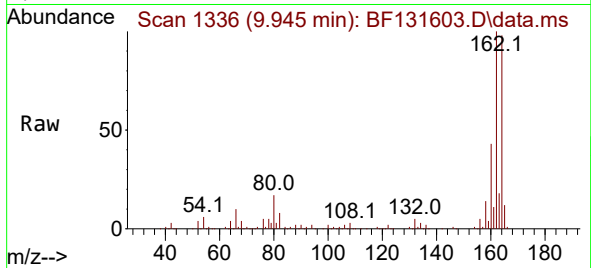




#57
2,4-Dinitrotoluene
Concen: 5.938 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

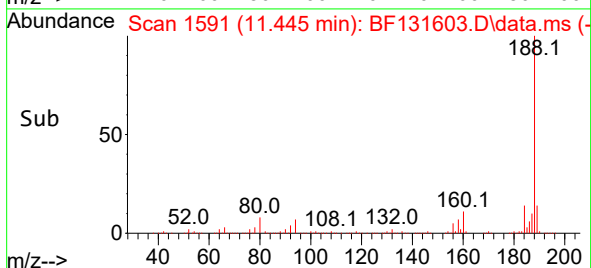
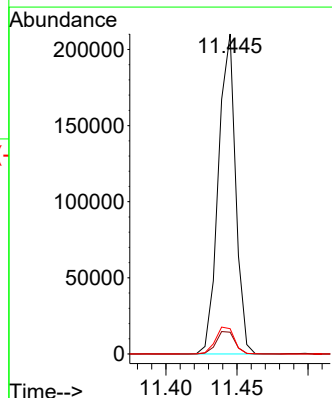
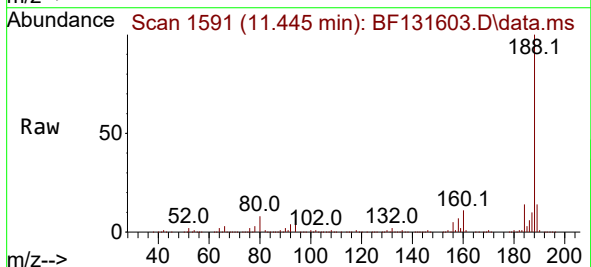
Instrument :
BNA_F
ClientSampleId :
2803-COMP

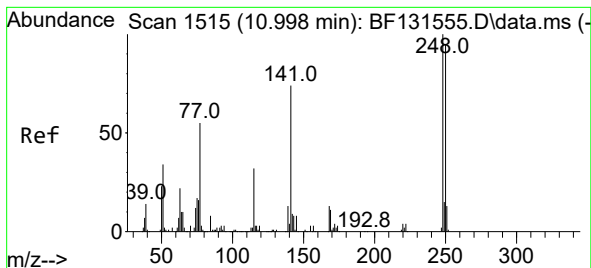
Tgt Ion:165 Resp: 13692
Ion Ratio Lower Upper
165 100
63 1.2 44.4 66.6#
89 2.0 69.6 104.4#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion:188 Resp: 177145
Ion Ratio Lower Upper
188 100
94 6.8 5.5 8.3
80 7.9 6.6 10.0

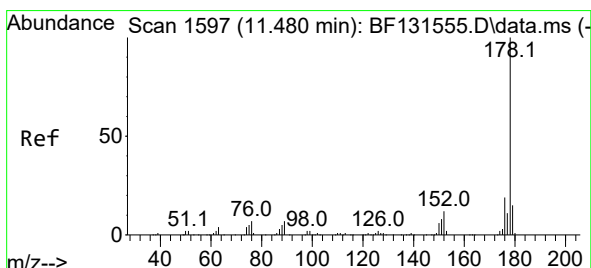
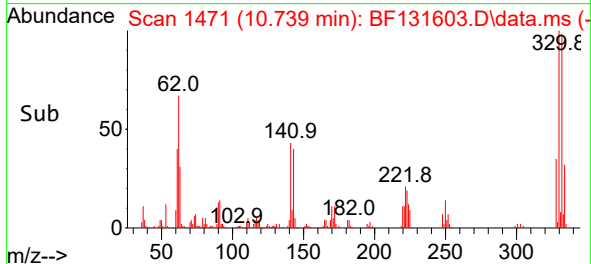
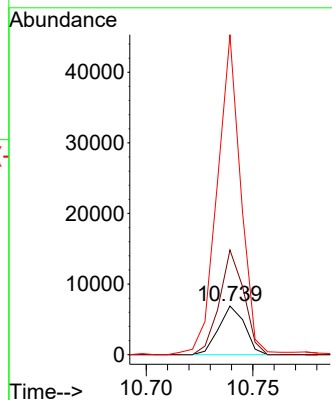
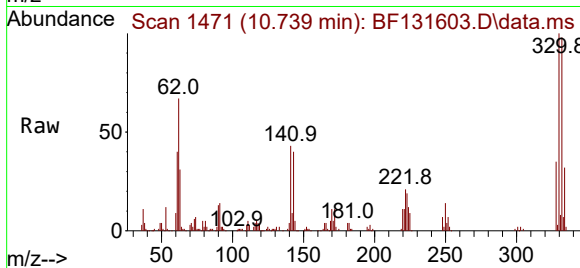




#67
4-Bromophenyl-phenylether
Concen: 2.566 ng
RT: 10.739 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

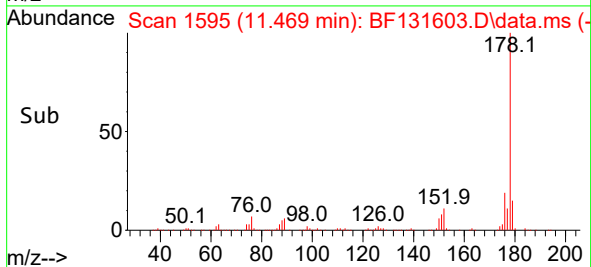
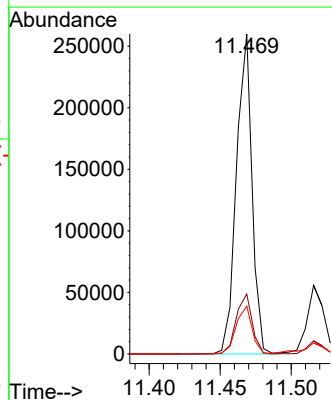
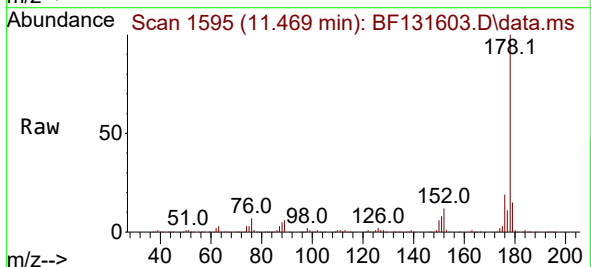
Instrument :
BNA_F
ClientSampleId :
2803-COMP

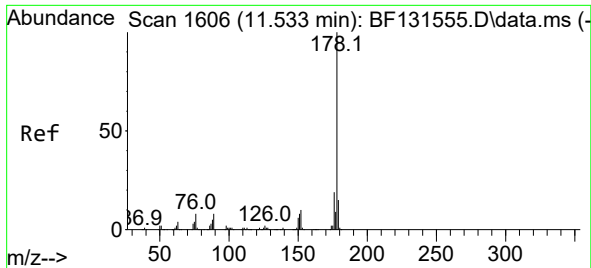
Tgt Ion:248 Resp: 5847
Ion Ratio Lower Upper
248 100
250 214.8 76.2 114.2#
141 657.1 59.5 89.3#



#71
Phenanthrene
Concen: 20.115 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion:178 Resp: 198617
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 14.9 12.2 18.4

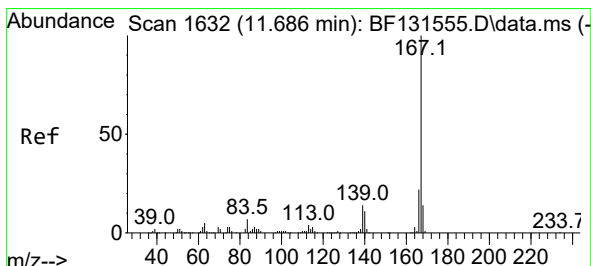
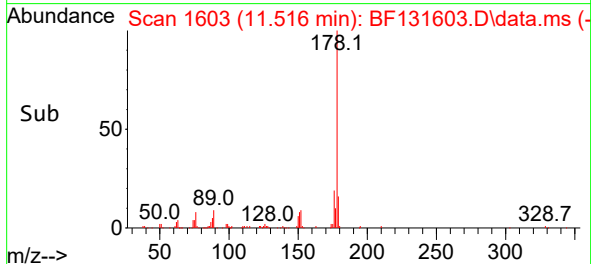
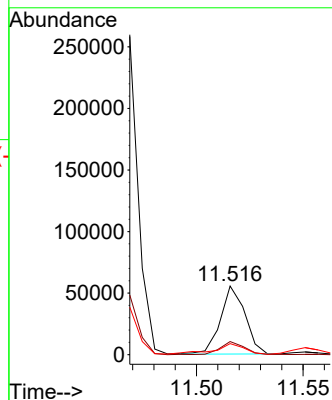
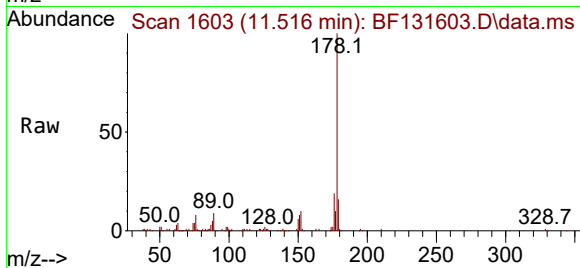




#72
 Anthracene
 Concen: 4.613 ng
 RT: 11.516 min Scan# 1603
 Delta R.T. -0.012 min
 Lab File: BF131603.D
 Acq: 12 Dec 2022 20:47

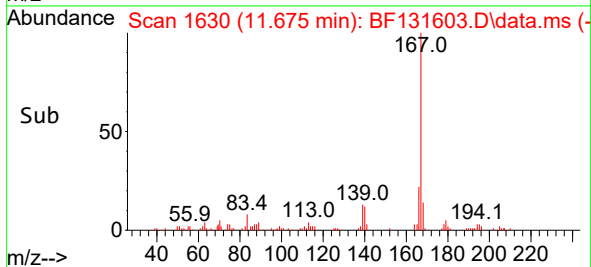
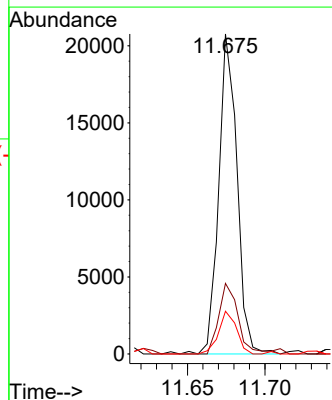
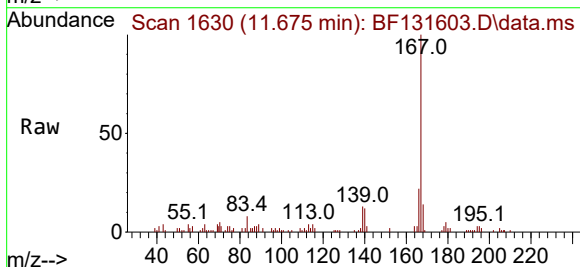
Instrument :
 BNA_F
 ClientSampleId :
 2803-COMP

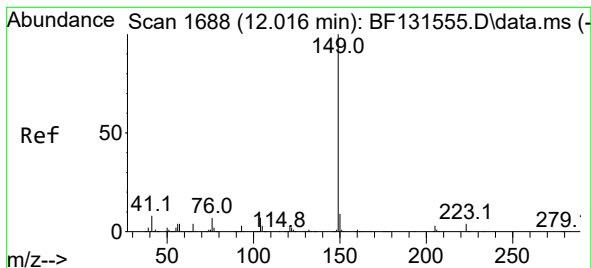
Tgt Ion:178 Resp: 44317
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.6
 179 16.0 12.3 18.5



#73
 Carbazole
 Concen: 2.171 ng
 RT: 11.675 min Scan# 1630
 Delta R.T. -0.012 min
 Lab File: BF131603.D
 Acq: 12 Dec 2022 20:47

Tgt Ion:167 Resp: 17023
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 13.3 11.0 16.4





#74

Di-n-butylphthalate

Concen: 6.421 ng

RT: 12.004 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

Instrument :

BNA_F

ClientSampleId :

2803-COMP

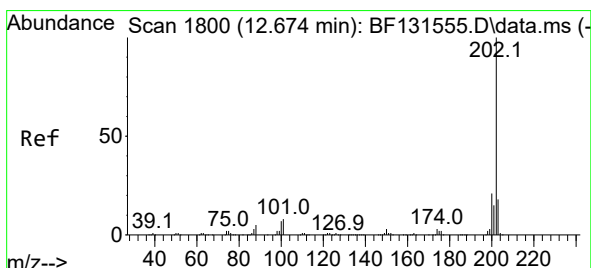
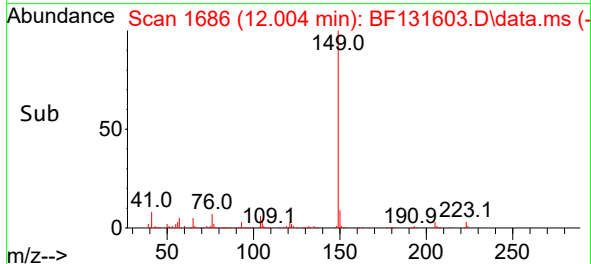
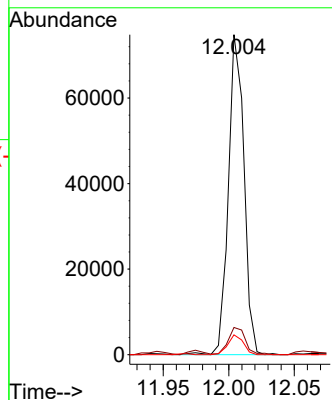
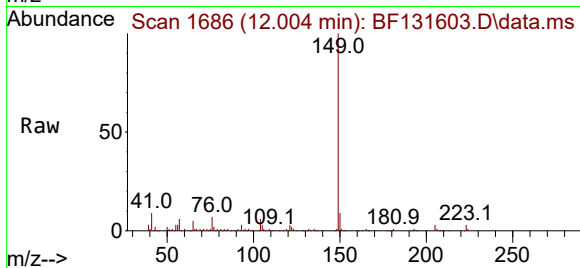
Tgt Ion:149 Resp: 61768

Ion Ratio Lower Upper

149 100

150 8.5 7.2 10.8

104 6.2 5.2 7.8



#75

Fluoranthene

Concen: 29.611 ng

RT: 12.663 min Scan# 1798

Delta R.T. -0.006 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

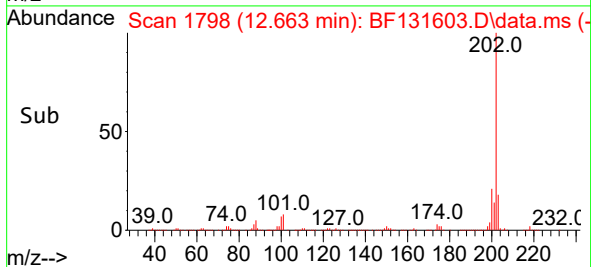
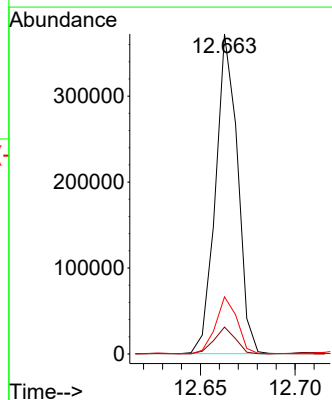
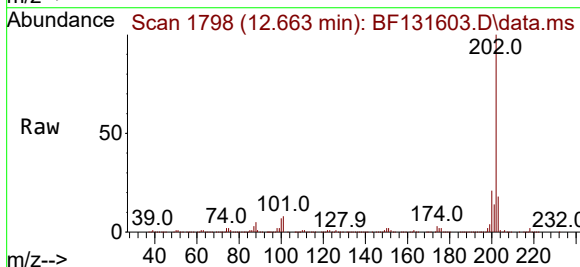
Tgt Ion:202 Resp: 301067

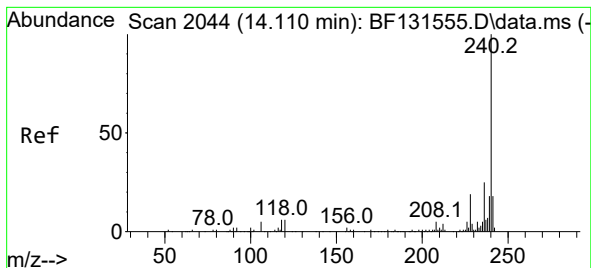
Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.7

203 17.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2044

Delta R.T. -0.006 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

Instrument :

BNA_F

ClientSampleId :

2803-COMP

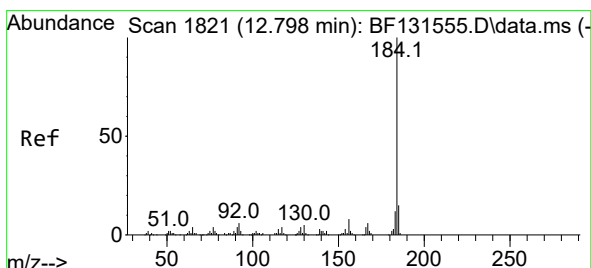
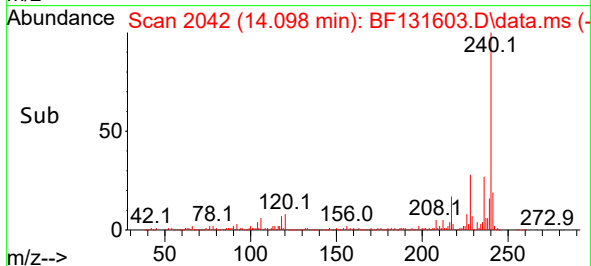
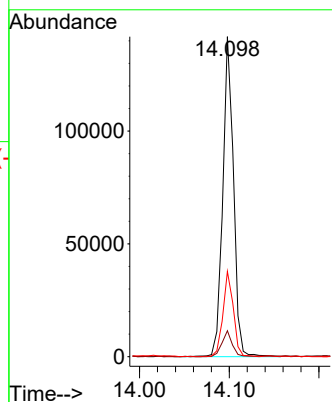
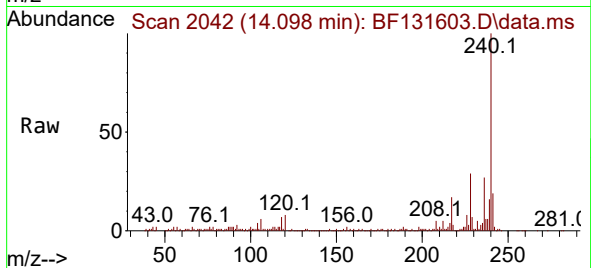
Tgt Ion:240 Resp: 117882

Ion Ratio Lower Upper

240 100

120 8.1 4.6 7.0#

236 26.7 20.2 30.2



#77

Benidine

Concen: 2.370 ng

RT: 13.039 min Scan# 1862

Delta R.T. 0.247 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

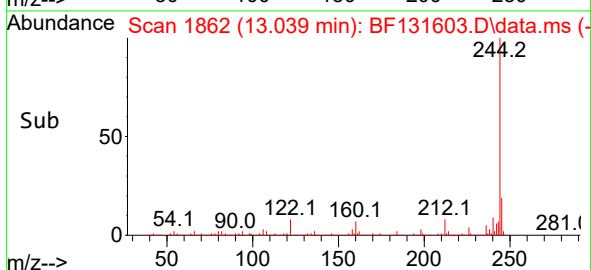
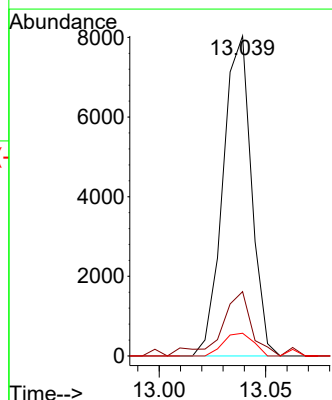
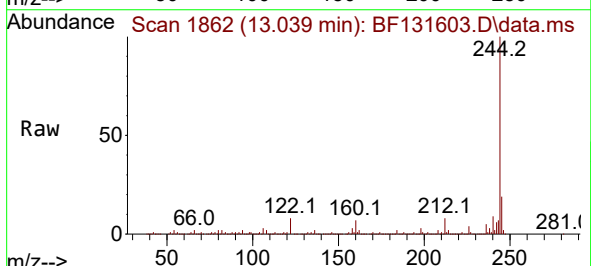
Tgt Ion:184 Resp: 7486

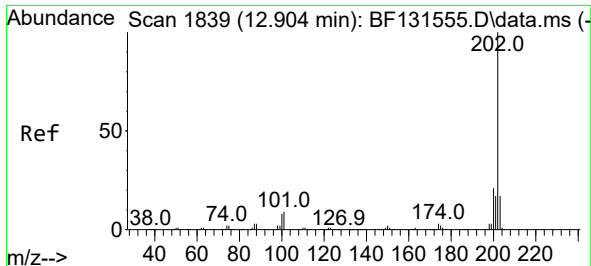
Ion Ratio Lower Upper

184 100

185 20.1 12.2 18.2#

183 7.1 9.3 13.9#

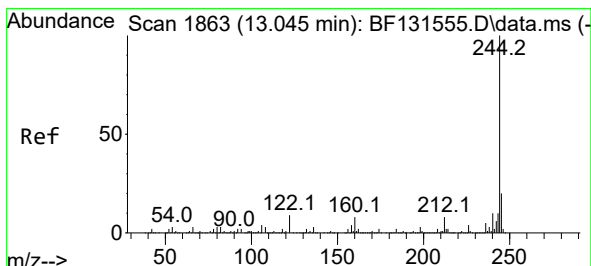
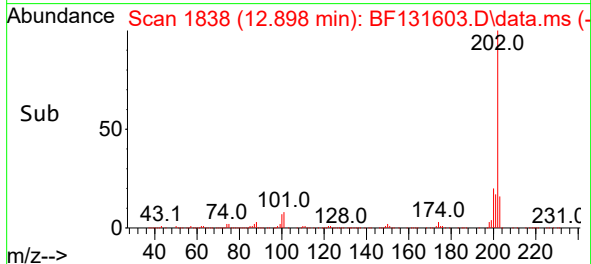
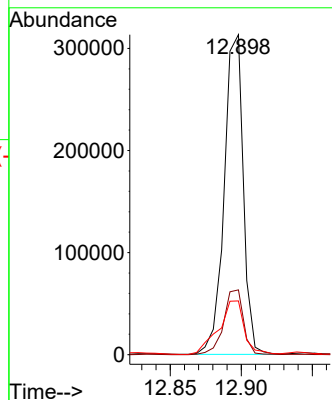
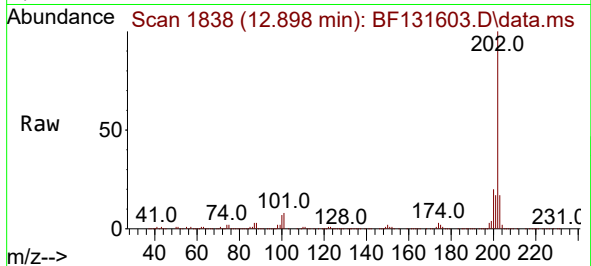




#78
Pyrene
Concen: 25.176 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

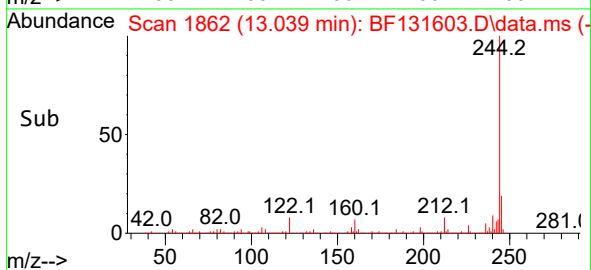
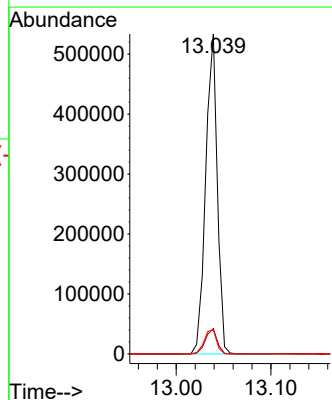
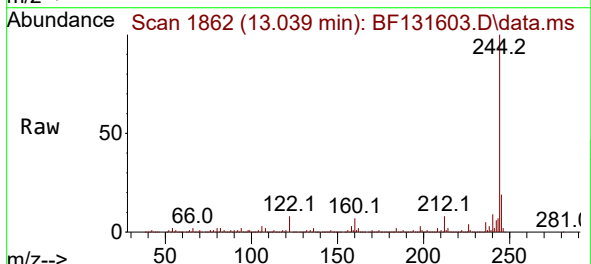
Instrument :
BNA_F
ClientSampleId :
2803-COMP

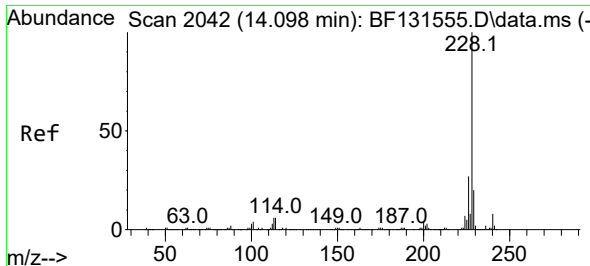
Tgt Ion:202 Resp: 292638
Ion Ratio Lower Upper
202 100
200 20.2 16.7 25.1
203 16.8 13.8 20.6



#79
Terphenyl-d14
Concen: 52.836 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion:244 Resp: 454163
Ion Ratio Lower Upper
244 100
212 8.0 6.5 9.7
122 7.6 7.1 10.7

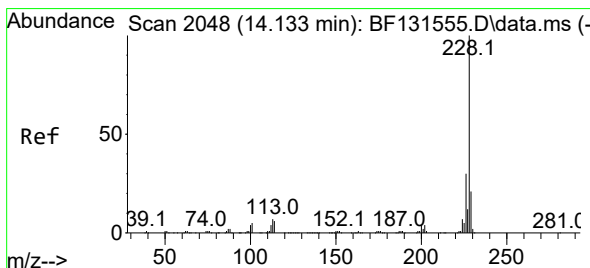
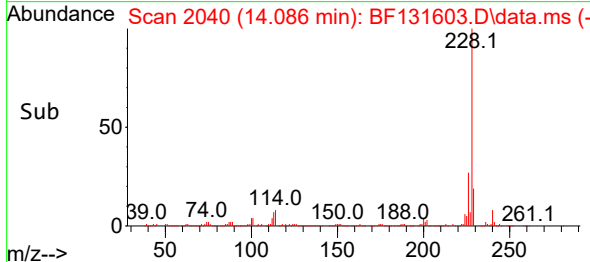
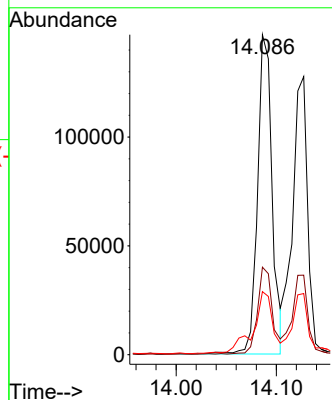
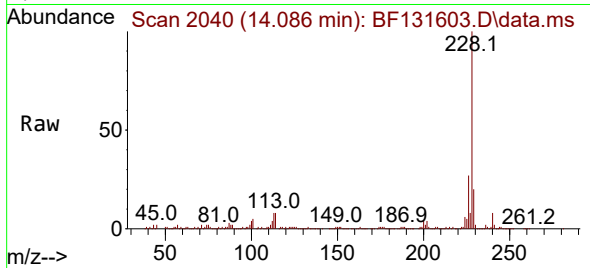




#81
Benzo(a)anthracene
Concen: 17.381 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

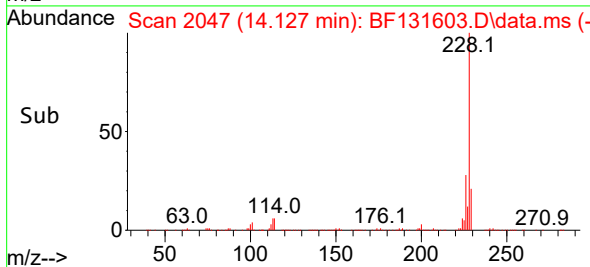
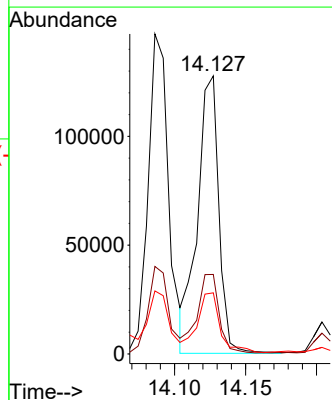
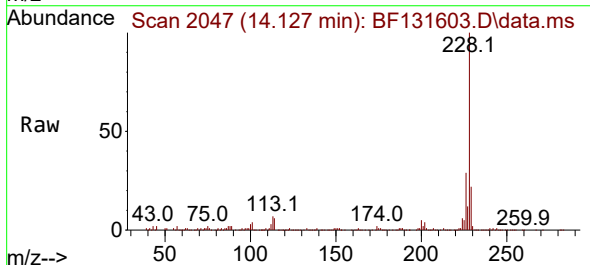
Instrument :
BNA_F
ClientSampleId :
2803-COMP

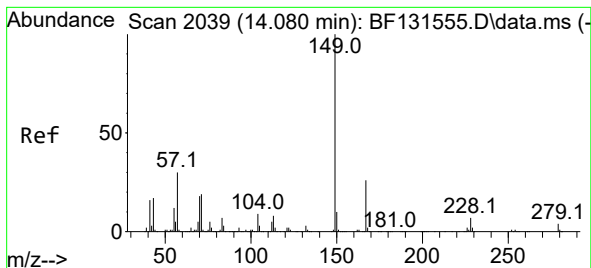
Tgt Ion:228 Resp: 147963
Ion Ratio Lower Upper
228 100
226 27.3 21.5 32.3
229 19.7 15.8 23.6



#83
Chrysene
Concen: 16.554 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion:228 Resp: 133975
Ion Ratio Lower Upper
228 100
226 28.6 23.9 35.9
229 22.0 16.7 25.1

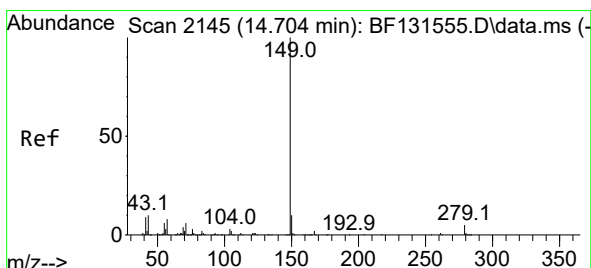
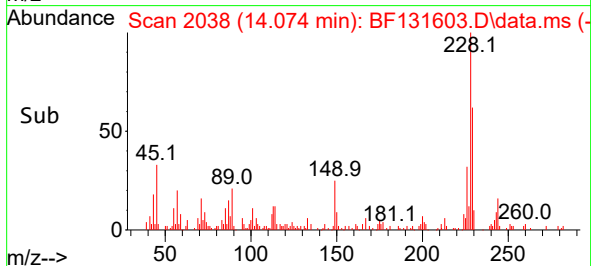
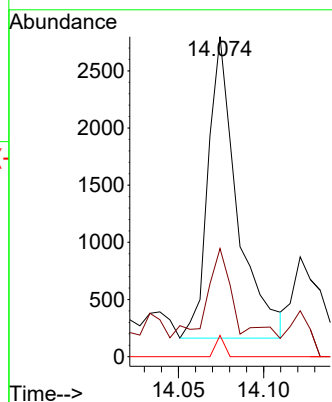
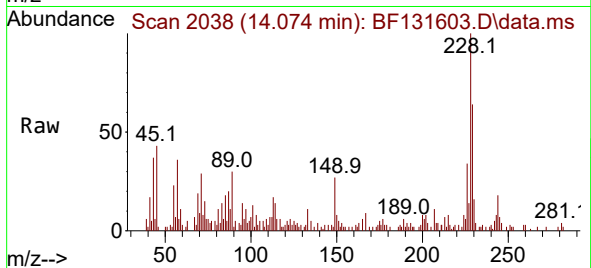




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.674 ng
 RT: 14.074 min Scan# 2038
 Delta R.T. -0.006 min
 Lab File: BF131603.D
 Acq: 12 Dec 2022 20:47

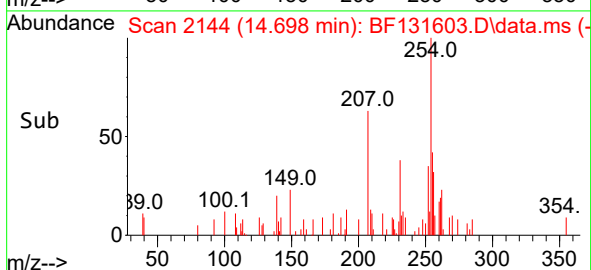
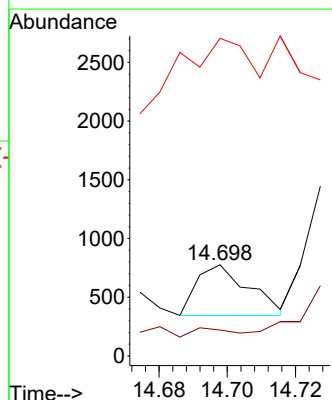
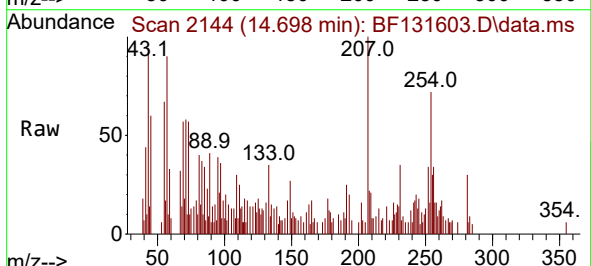
Instrument :
 BNA_F
 ClientSampleId :
 2803-COMP

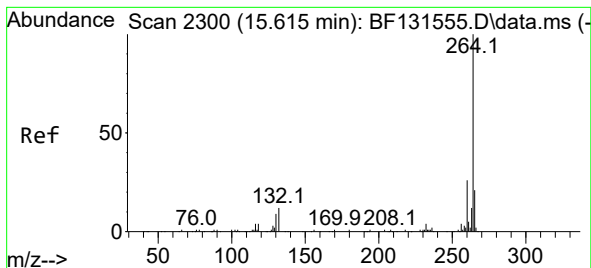
Tgt Ion:149 Resp: 3139
 Ion Ratio Lower Upper
 149 100
 167 33.8 20.8 31.2#
 279 6.6 3.3 4.9#



#85
 Di-n-octyl phthalate
 Concen: 5.273 ng
 RT: 14.698 min Scan# 2144
 Delta R.T. 0.000 min
 Lab File: BF131603.D
 Acq: 12 Dec 2022 20:47

Tgt Ion:149 Resp: 457
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 203.7 8.6 13.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.610 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

Instrument :

BNA_F

ClientSampleId :

2803-COMP

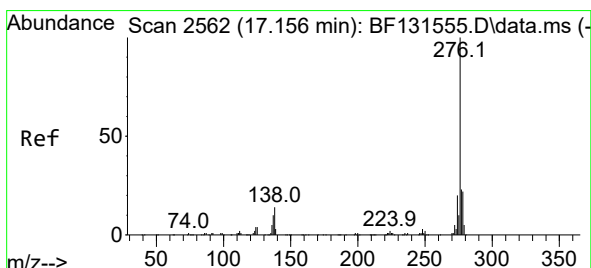
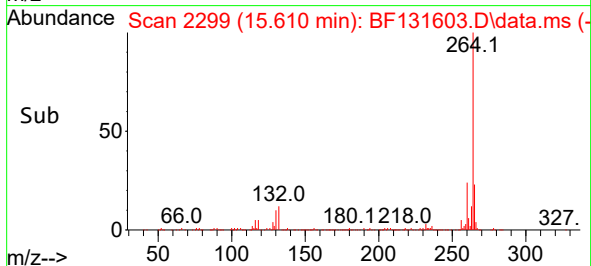
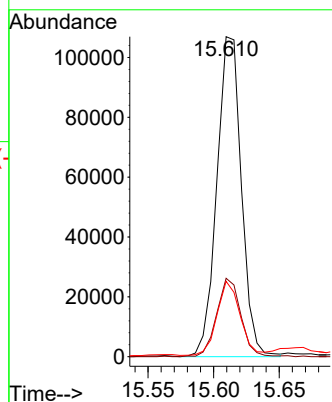
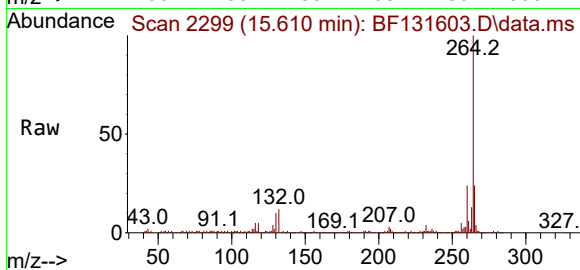
Tgt Ion:264 Resp: 139325

Ion Ratio Lower Upper

264 100

260 24.5 20.6 30.8

265 23.5 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.434 ng

RT: 17.139 min Scan# 2559

Delta R.T. -0.018 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

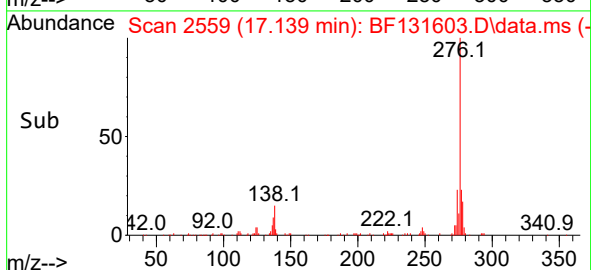
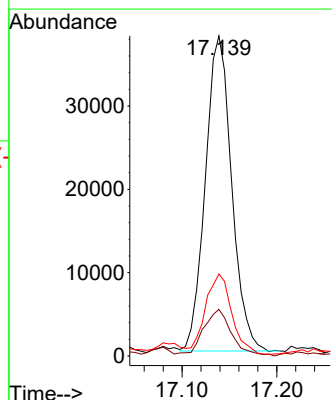
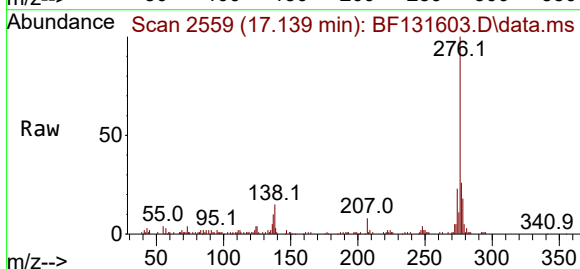
Tgt Ion:276 Resp: 73158

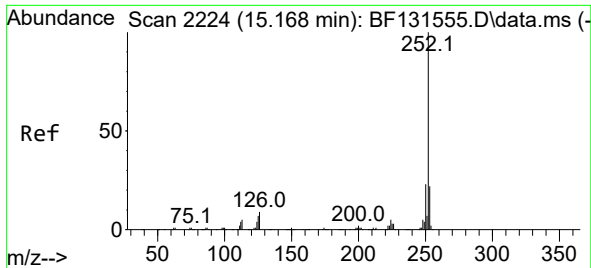
Ion Ratio Lower Upper

276 100

138 15.6 12.7 19.1

277 25.4 20.0 30.0

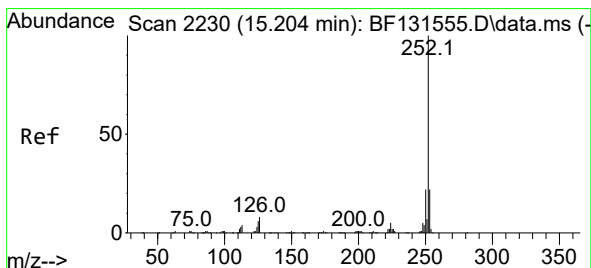
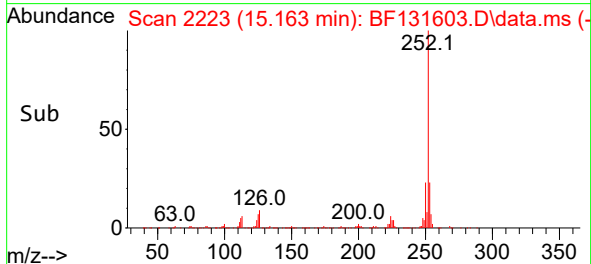
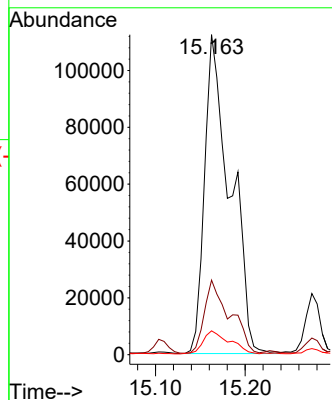
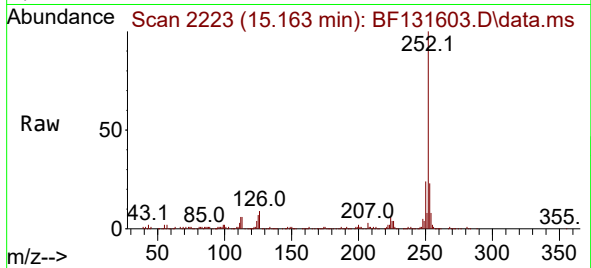




#88
Benzo(b)fluoranthene
Concen: 24.227 ng
RT: 15.163 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

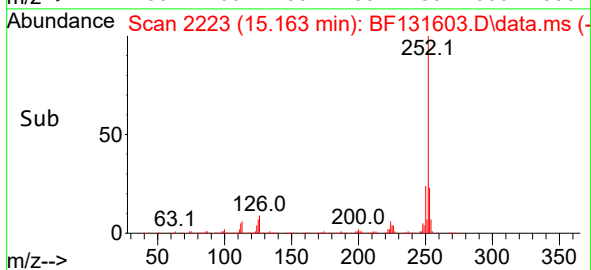
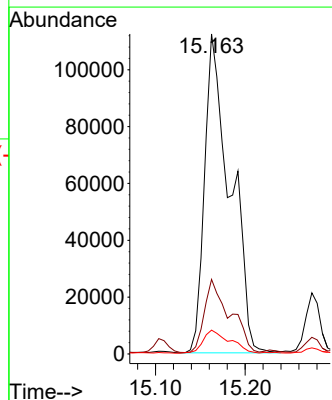
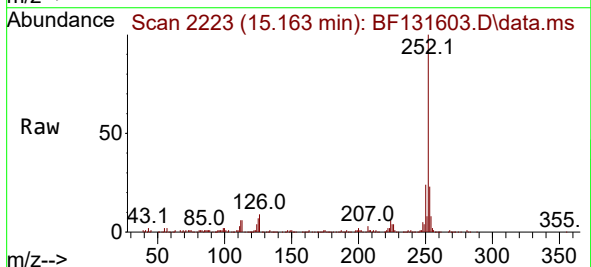
Instrument :
BNA_F
ClientSampleId :
2803-COMP

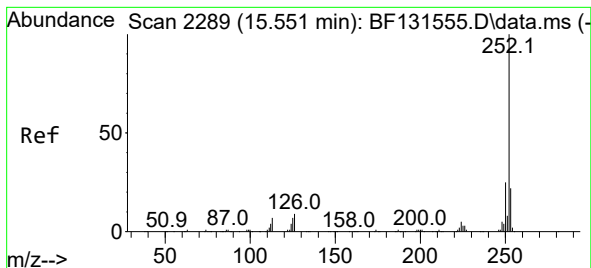
Tgt Ion:252 Resp: 222469
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 7.4 5.6 8.4



#89
Benzo(k)fluoranthene
Concen: 23.211 ng
RT: 15.163 min Scan# 2223
Delta R.T. -0.041 min
Lab File: BF131603.D
Acq: 12 Dec 2022 20:47

Tgt Ion:252 Resp: 222469
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 7.4 4.9 7.3#





#90

Benzo(a)pyrene

Concen: 16.485 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

Instrument :

BNA_F

ClientSampleId :

2803-COMP

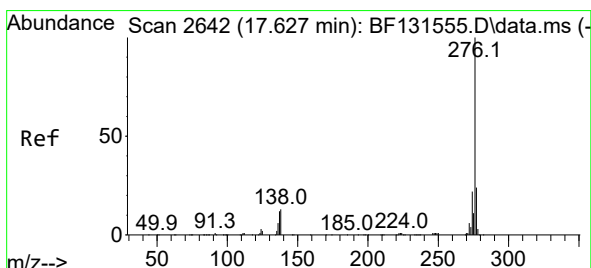
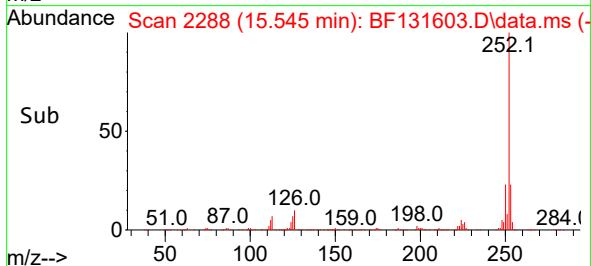
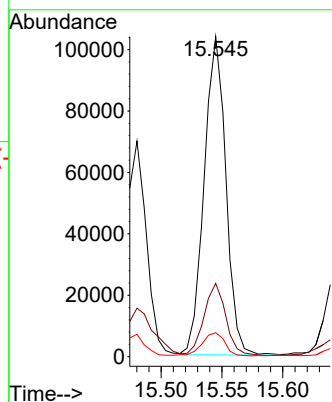
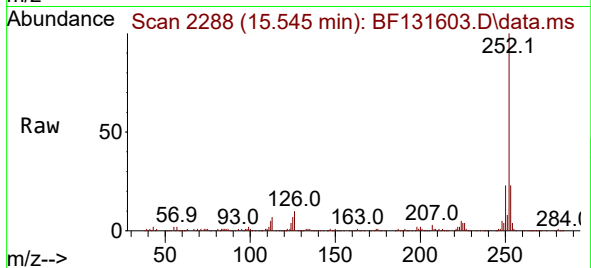
Tgt Ion:252 Resp: 129183

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 7.5 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 7.321 ng

RT: 17.604 min Scan# 2638

Delta R.T. -0.023 min

Lab File: BF131603.D

Acq: 12 Dec 2022 20:47

Tgt Ion:276 Resp: 68859

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 14.4 10.7 16.1

