

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135863.D
 Acq On : 18 Oct 2023 23:28
 Operator : CG\JU
 Sample : 04887-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-622-COMP-04

Quant Time: Oct 19 02:10:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

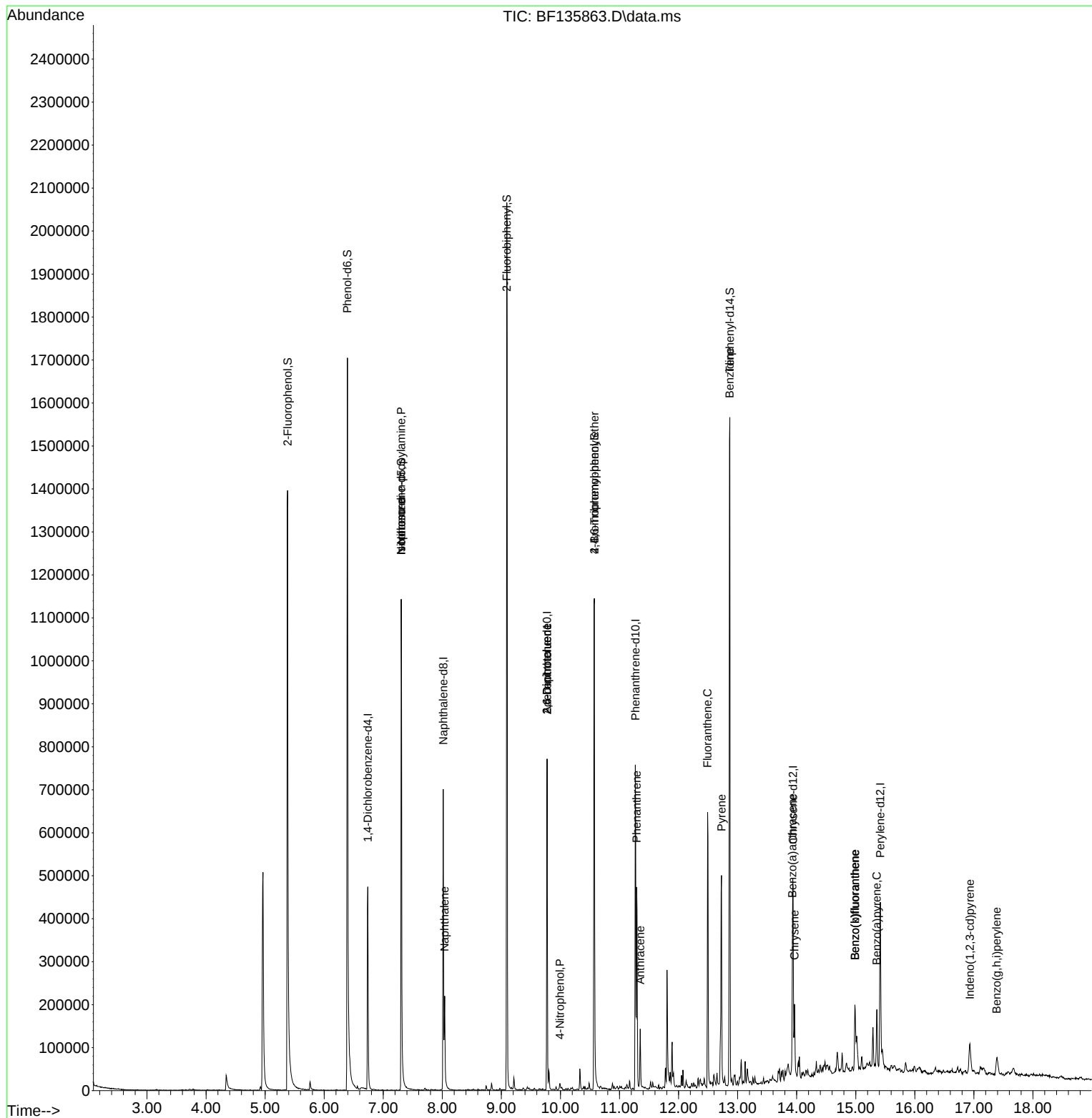
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	73862	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	289127	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	146093	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	277808	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	143078	20.000	ng	-0.01
86) Perylene-d12	15.415	264	193291	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	489151	106.473	ng	0.00
7) Phenol-d6	6.392	99	595535	103.893	ng	0.00
23) Nitrobenzene-d5	7.304	82	353281	67.203	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	150457	107.325	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	632578	67.699	ng	-0.01
79) Terphenyl-d14	12.869	244	576156	74.574	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	47552	13.417	ng	# 75
25) Isophorone	7.304	82	353281	35.622	ng	# 66
31) Naphthalene	8.039	128	93989	6.665	ng	99
51) 2,6-Dinitrotoluene	9.775	165	18514	8.730	ng	# 16
56) 4-Nitrophenol	9.992	139	2852	7.722	ng	# 5
57) 2,4-Dinitrotoluene	9.775	165	18514	6.862	ng	# 23
67) 4-Bromophenyl-phenylether	10.575	248	8853	3.175	ng	# 1
71) Phenanthrene	11.292	178	181728	13.655	ng	99
72) Anthracene	11.351	178	55984	4.060	ng	98
75) Fluoranthene	12.492	202	277193	18.767	ng	99
77) Benzidine	12.863	184	7261	2.326	ng	# 95
78) Pyrene	12.727	202	218659	19.232	ng	99
81) Benzo(a)anthracene	13.927	228	81564	8.679	ng	98
83) Chrysene	13.963	228	63380	6.963	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	46898	4.453	ng	95
88) Benzo(b)fluoranthene	14.986	252	116796	10.797	ng	99
89) Benzo(k)fluoranthene	14.986	252	116796	11.121	ng	98
90) Benzo(a)pyrene	15.357	252	68575	6.741	ng	98
92) Benzo(g,h,i)perylene	17.386	276	39895	4.498	ng	98

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

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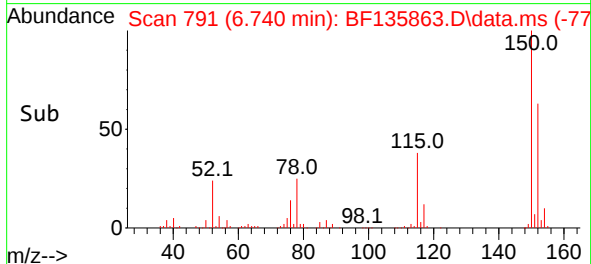
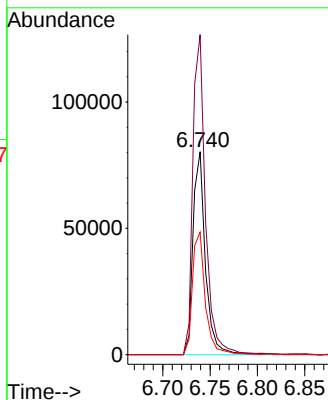
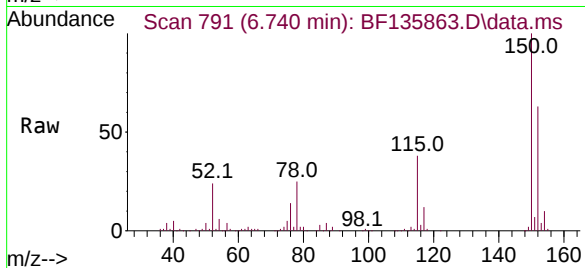




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

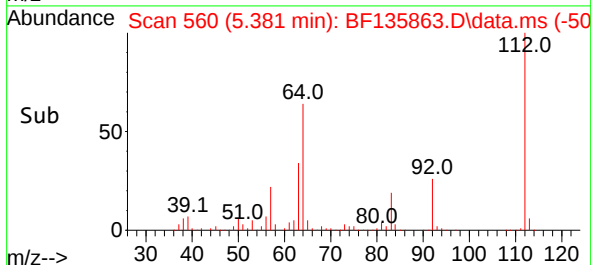
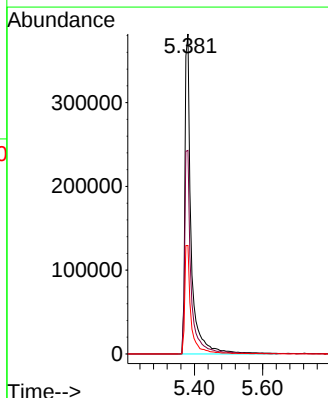
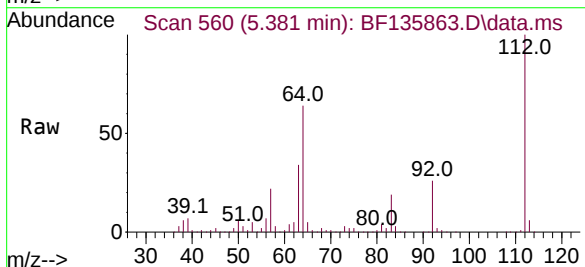
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04

Tgt Ion:152 Resp: 73862
Ion Ratio Lower Upper
152 100
150 157.5 124.5 186.7
115 60.3 49.0 73.4



#5
2-Fluorophenol
Concen: 106.473 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

Tgt Ion:112 Resp: 489151
Ion Ratio Lower Upper
112 100
64 63.6 51.2 76.8
63 33.9 26.1 39.1

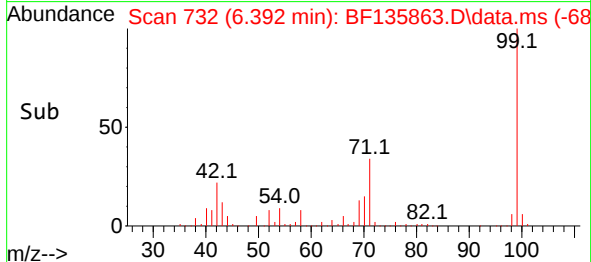
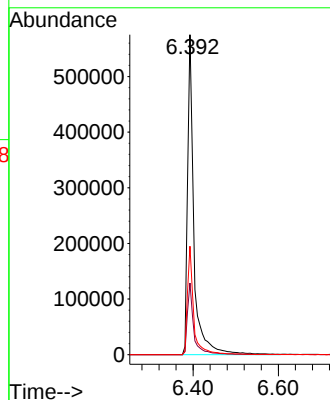
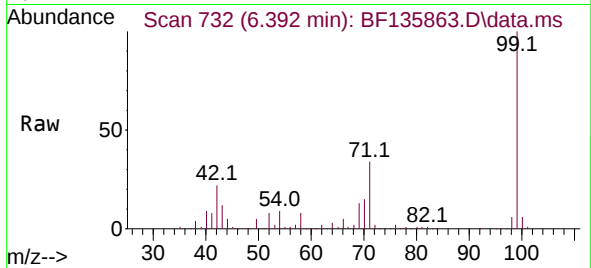




#7
Phenol-d6
Concen: 103.893 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

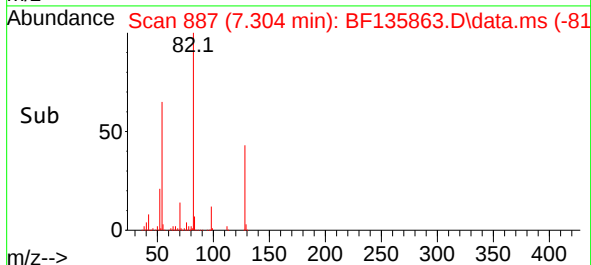
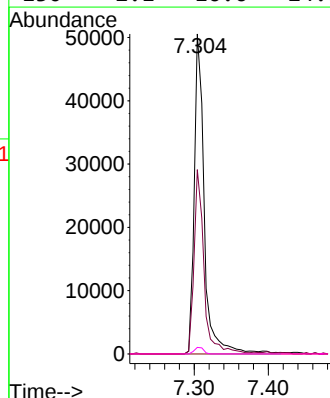
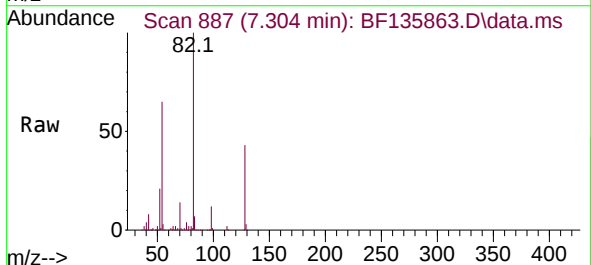
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04

Tgt Ion: 99 Resp: 595535
Ion Ratio Lower Upper
99 100
42 22.4 18.4 27.6
71 33.9 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.417 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

Tgt Ion: 70 Resp: 47552
Ion Ratio Lower Upper
70 100
42 57.6 59.8 89.6#
101 0.0 7.4 11.2#
130 2.1 16.6 24.8#



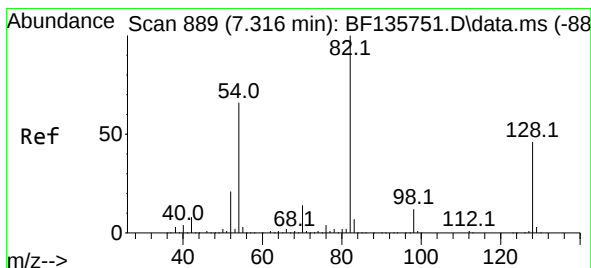
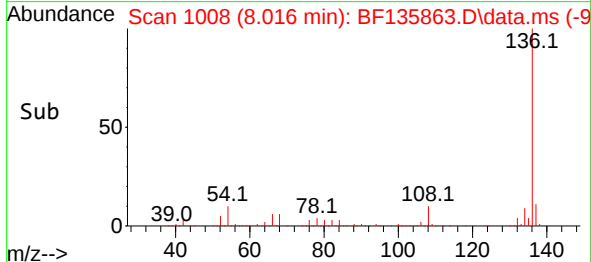
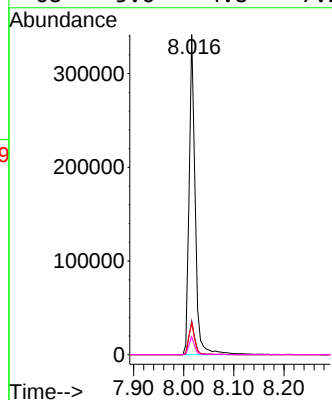
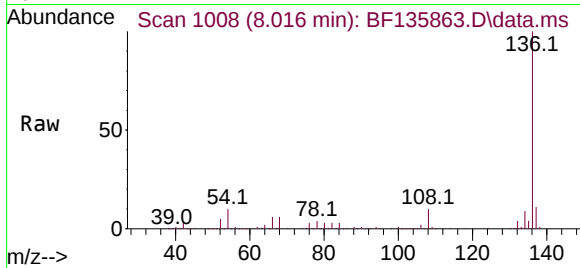


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04

Tgt Ion:136 Resp: 289127

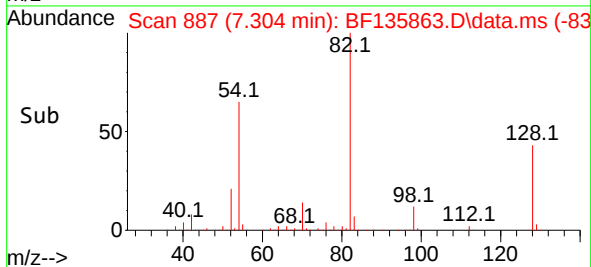
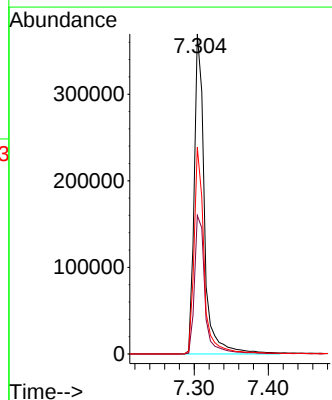
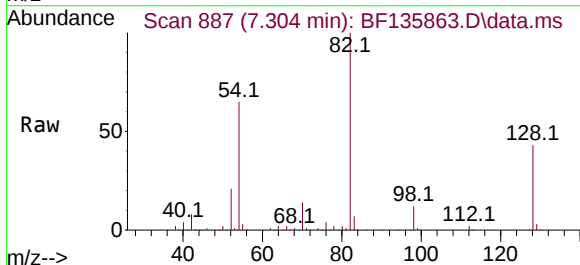
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	9.8	8.5	12.7
68	5.6	4.8	7.2



#23
Nitrobenzene-d5
Concen: 67.203 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

Tgt Ion: 82 Resp: 353281

Ion	Ratio	Lower	Upper
82	100		
128	43.3	37.0	55.6
54	64.6	52.8	79.2

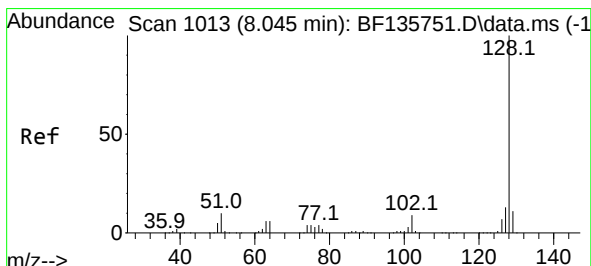
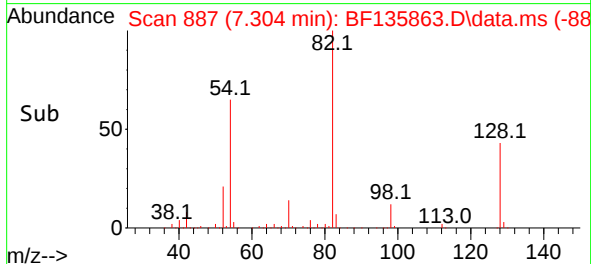
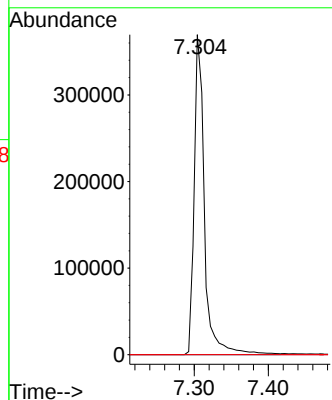
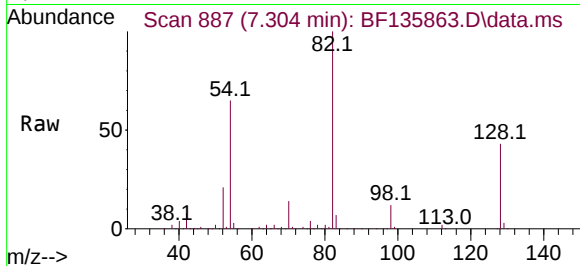




#25
Isophorone
Concen: 35.622 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

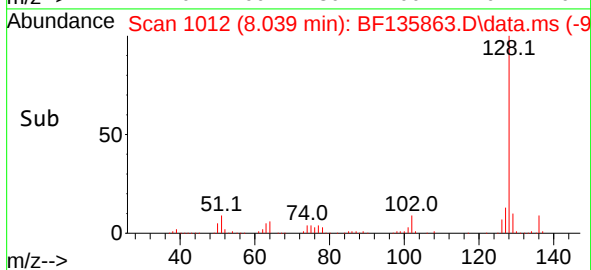
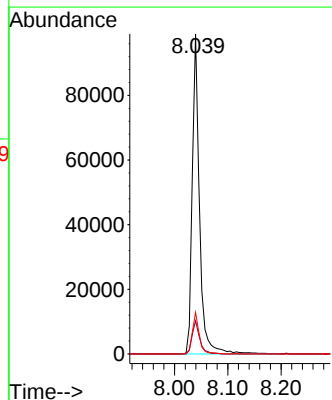
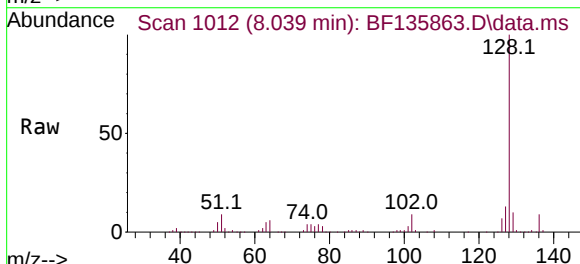
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04

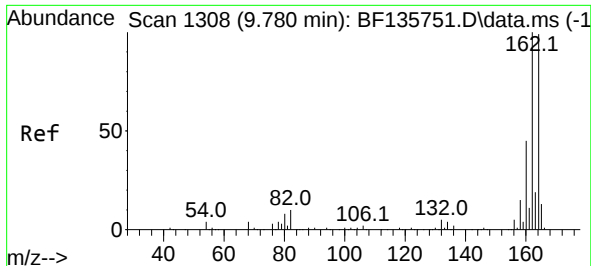
Tgt Ion: 82 Resp: 353281
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 6.665 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

Tgt Ion: 128 Resp: 93989
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 13.0 10.2 15.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135863.D

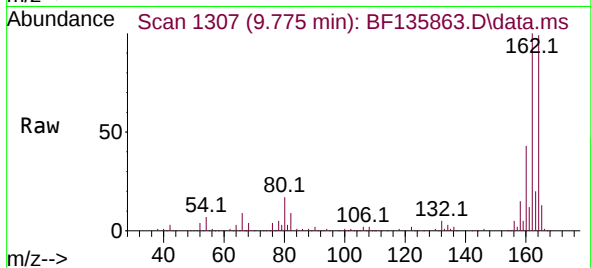
Acq: 18 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04



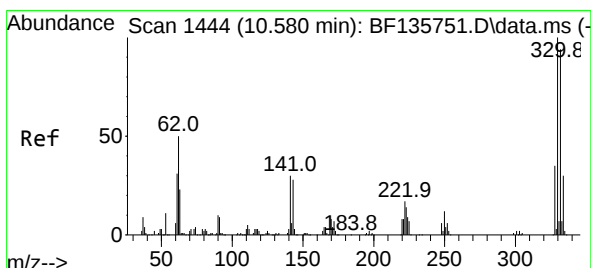
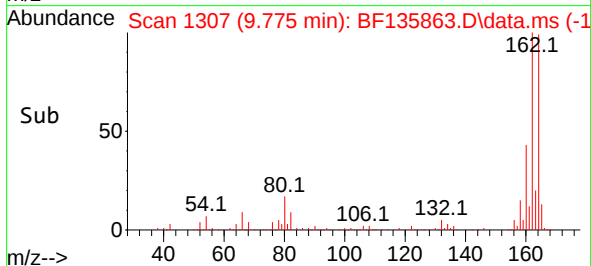
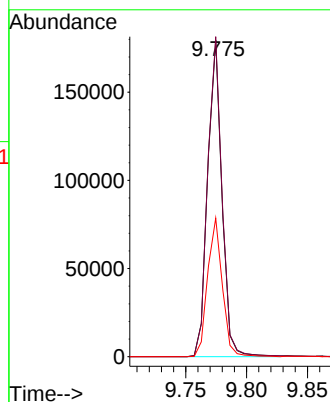
Tgt Ion:164 Resp: 146093

Ion Ratio Lower Upper

164 100

162 101.0 80.8 121.2

160 43.8 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 107.325 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

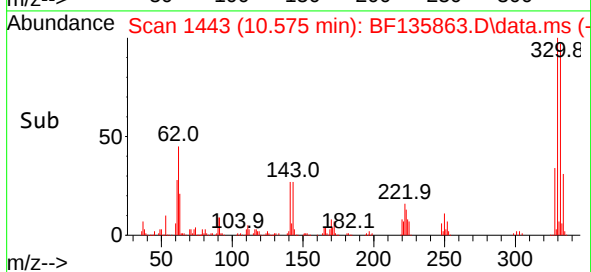
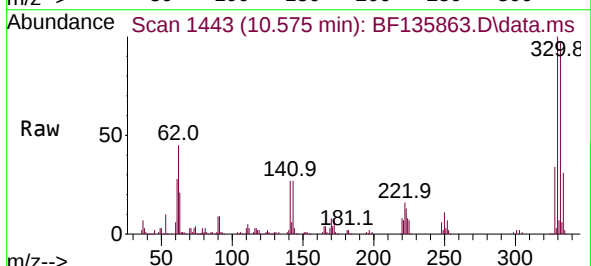
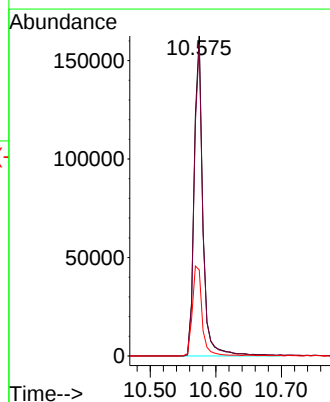
Tgt Ion:330 Resp: 150457

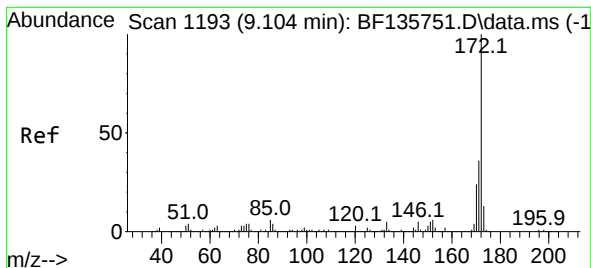
Ion Ratio Lower Upper

330 100

332 97.0 75.0 112.4

141 31.5 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 67.699 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04

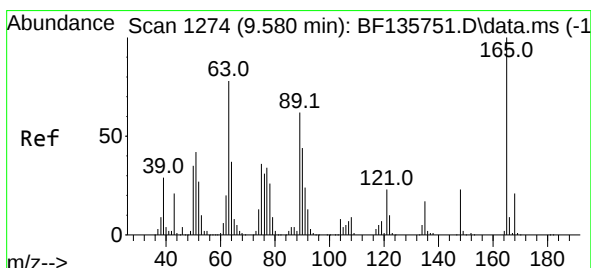
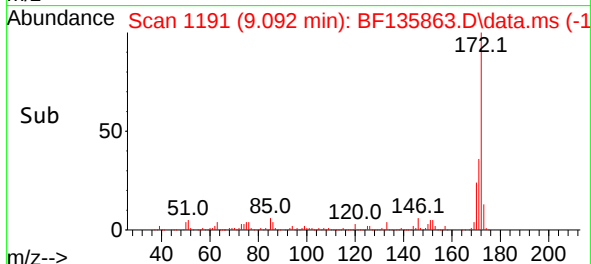
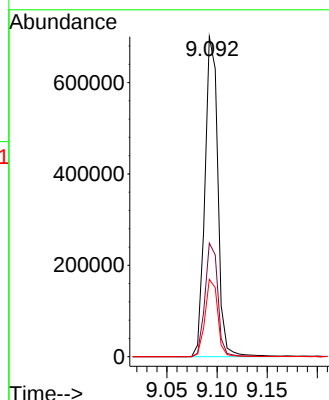
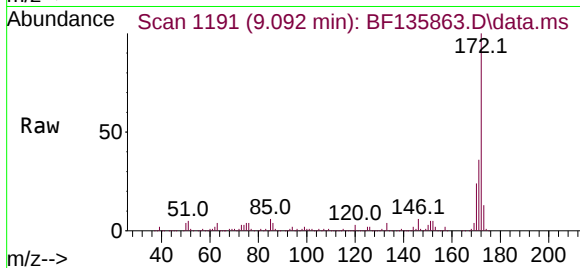
Tgt Ion:172 Resp: 632578

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 24.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.730 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.188 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

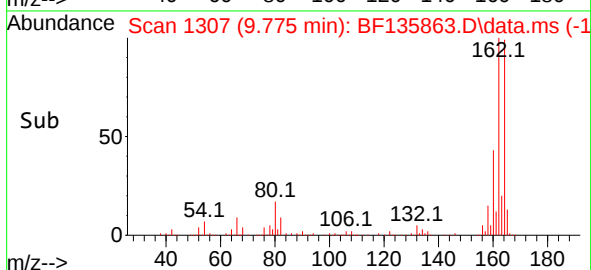
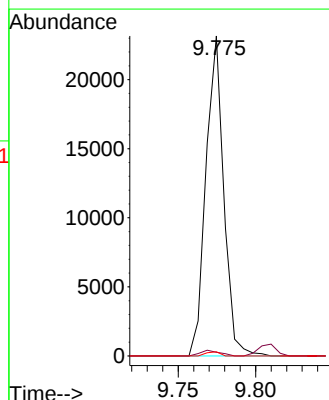
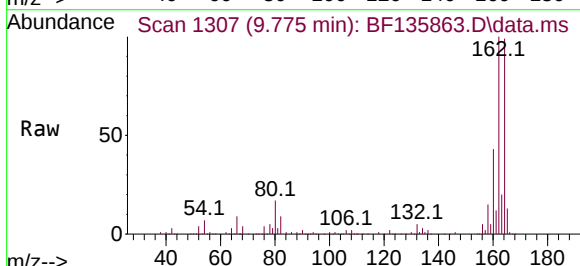
Tgt Ion:165 Resp: 18514

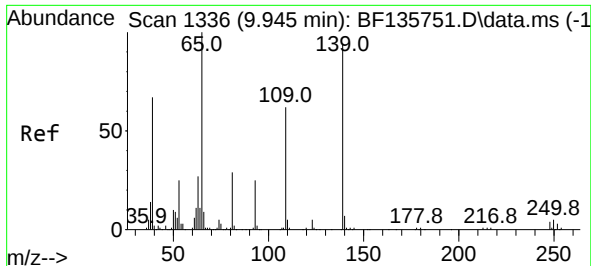
Ion Ratio Lower Upper

165 100

63 1.2 62.2 93.4#

89 1.3 49.6 74.4#

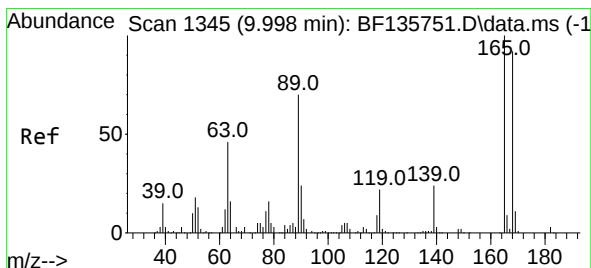
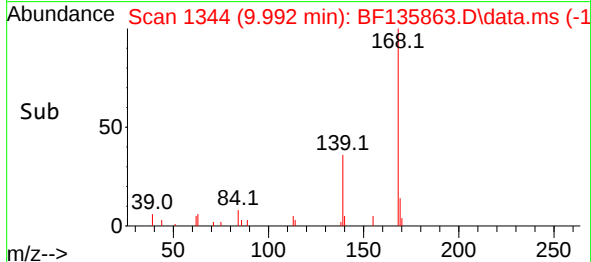
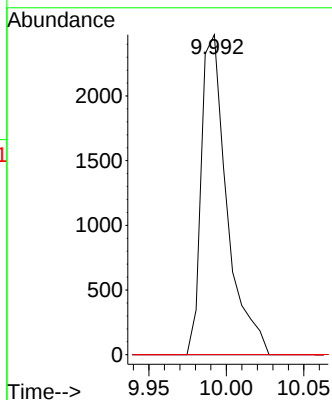
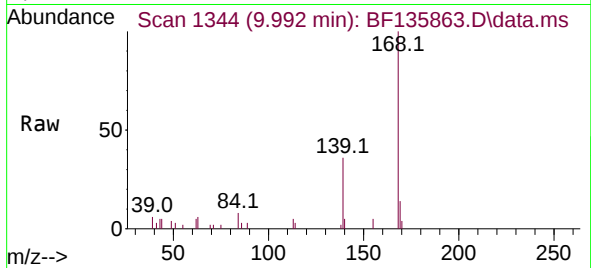




#56
4-Nitrophenol
Concen: 7.722 ng
RT: 9.992 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

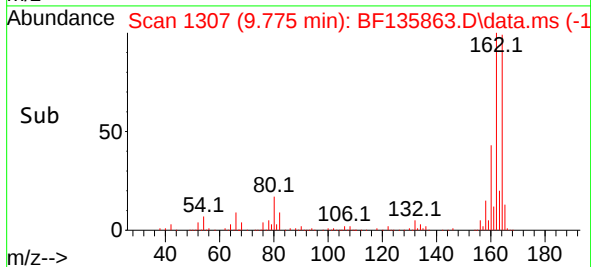
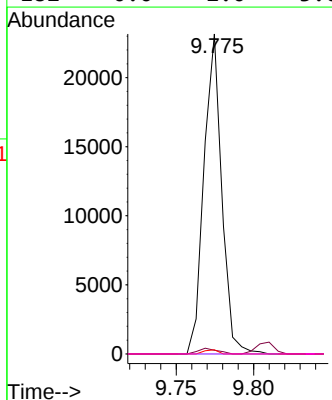
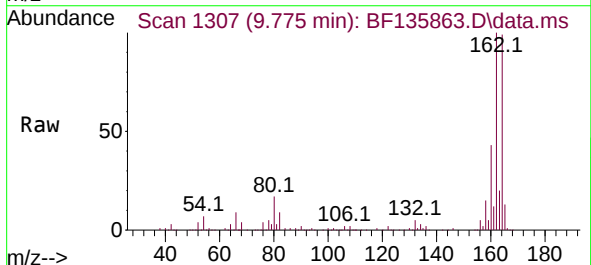
Instrument :
BNA_F
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SU-622-COMP-04

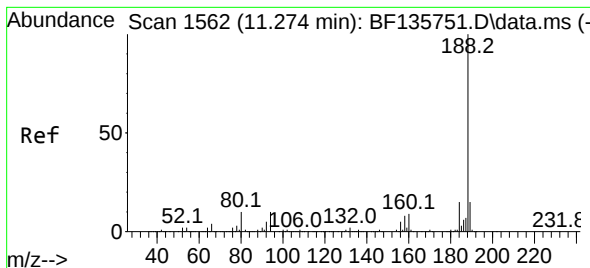
Tgt Ion:139 Resp: 2852
Ion Ratio Lower Upper
139 100
109 0.0 45.6 85.6#
65 0.0 87.5 127.5#



#57
2,4-Dinitrotoluene
Concen: 6.862 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

Tgt Ion:165 Resp: 18514
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.4#
89 1.3 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04

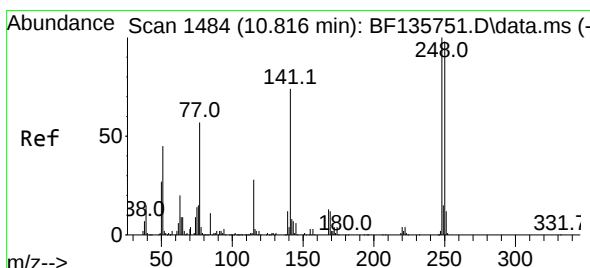
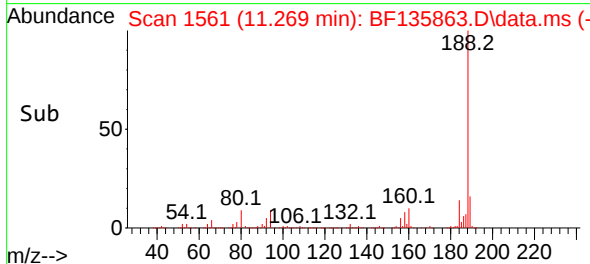
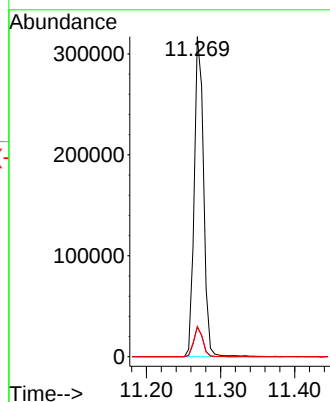
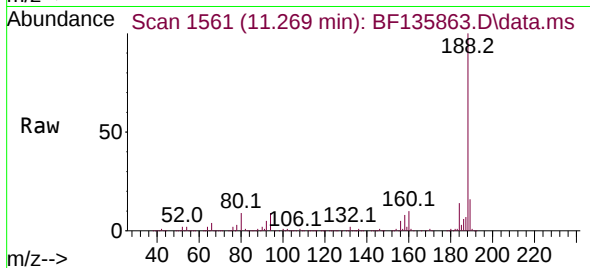
Tgt Ion:188 Resp: 277808

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

80 9.5 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.175 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

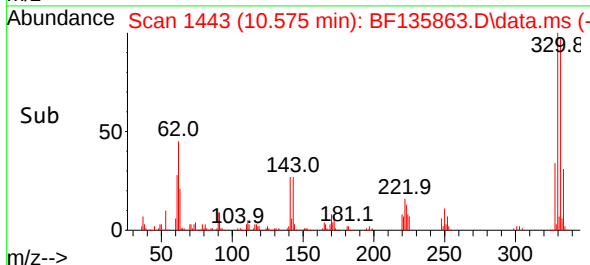
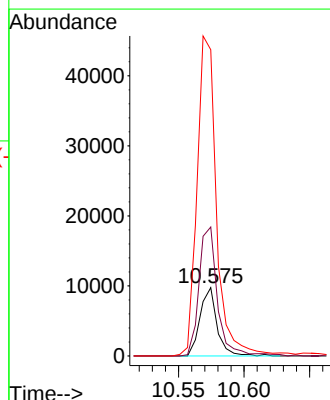
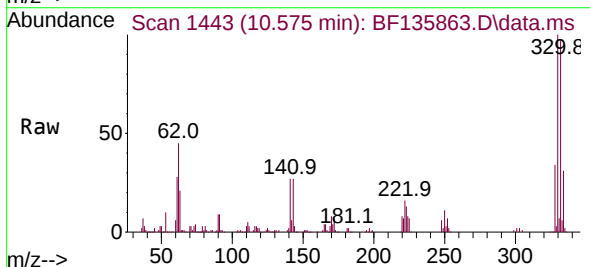
Tgt Ion:248 Resp: 8853

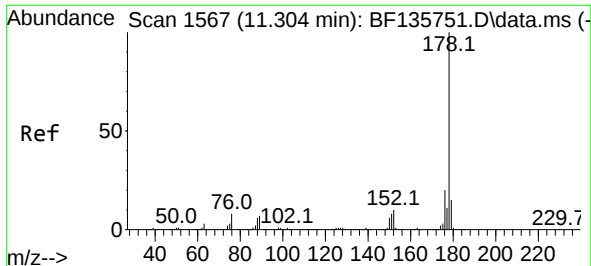
Ion Ratio Lower Upper

248 100

250 188.8 78.0 117.0#

141 448.2 59.0 88.6#

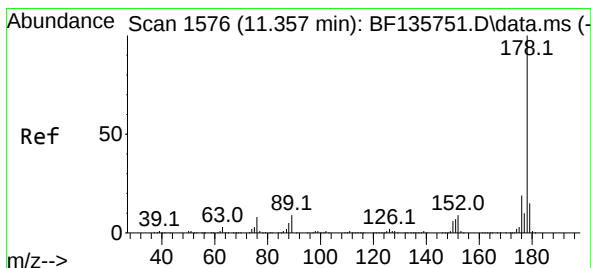
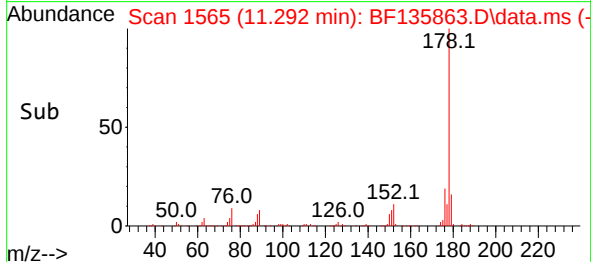
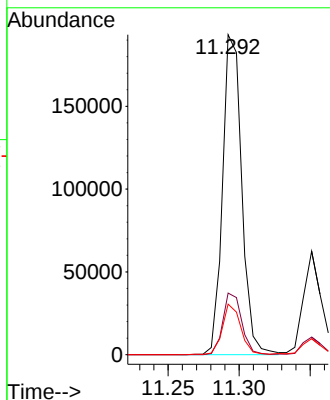
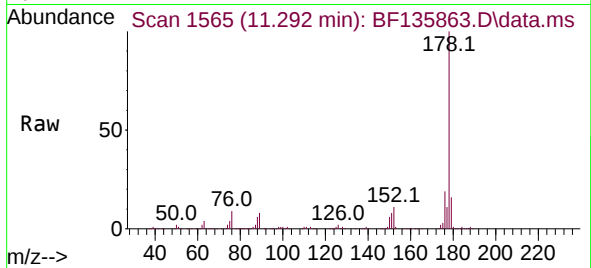




#71
Phenanthrene
Concen: 13.655 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

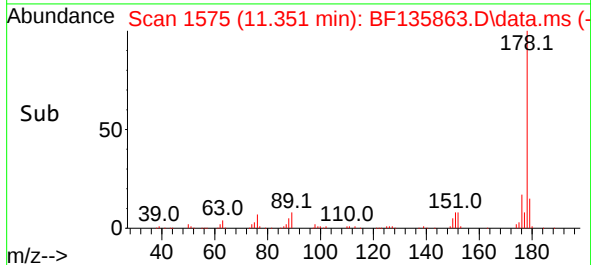
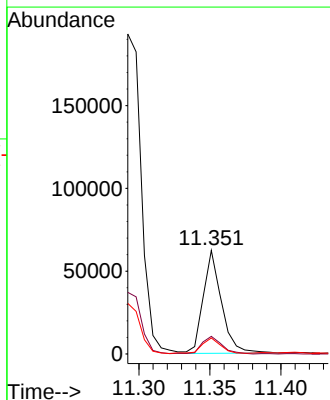
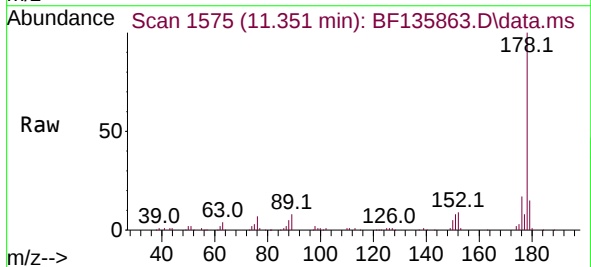
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04

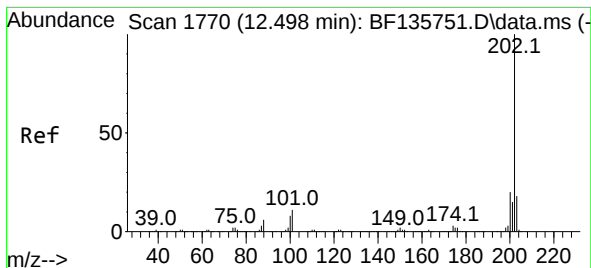
Tgt Ion:178 Resp: 181728
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.8 12.2 18.4



#72
Anthracene
Concen: 4.060 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

Tgt Ion:178 Resp: 55984
Ion Ratio Lower Upper
178 100
176 17.0 15.1 22.7
179 15.5 12.3 18.5





#75

Fluoranthene

Concen: 18.767 ng

RT: 12.492 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04

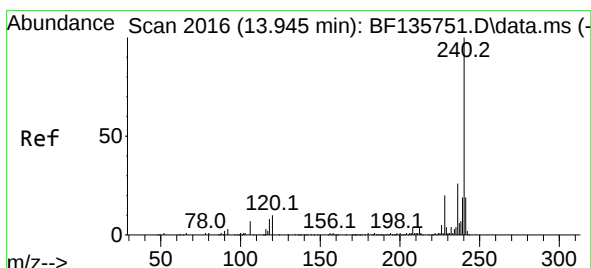
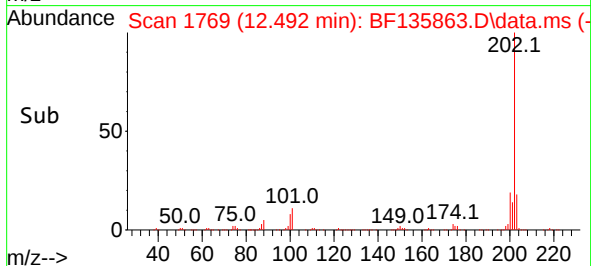
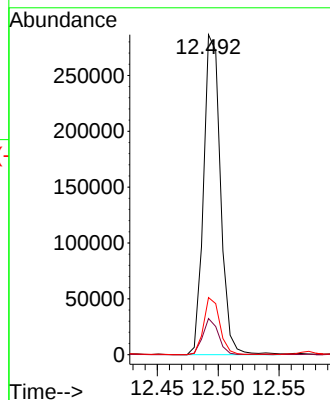
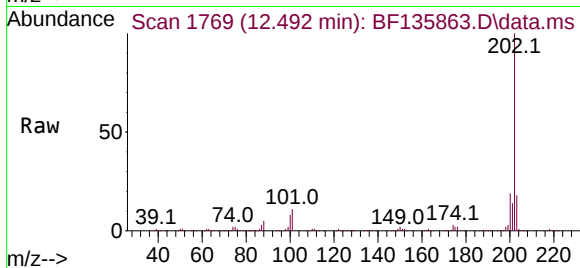
Tgt Ion:202 Resp: 277193

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.5

203 17.8 0.0 38.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

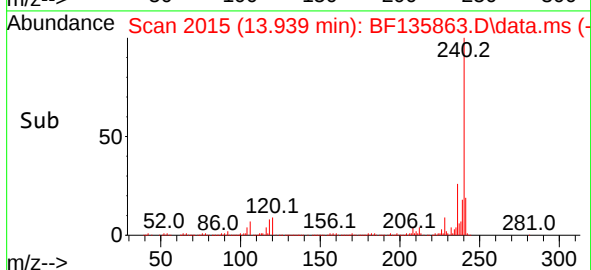
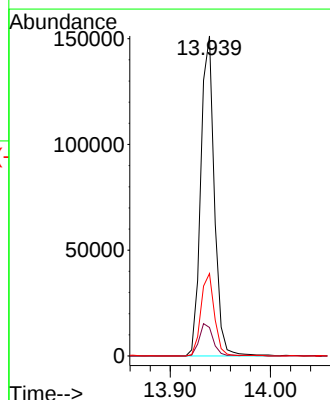
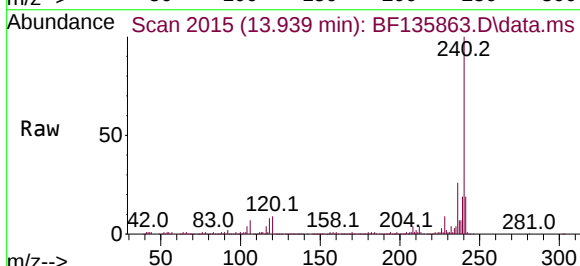
Tgt Ion:240 Resp: 143078

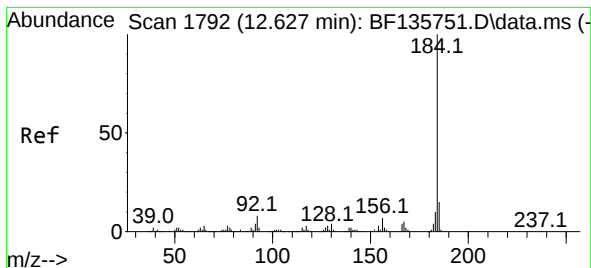
Ion Ratio Lower Upper

240 100

120 8.9 8.2 12.2

236 25.7 21.2 31.8





#77

Benzidine

Concen: 2.326 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.229 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04

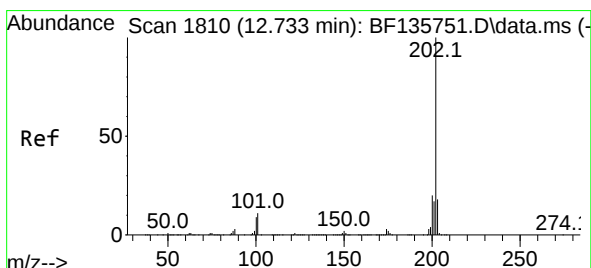
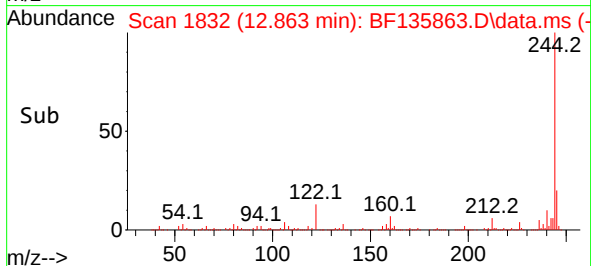
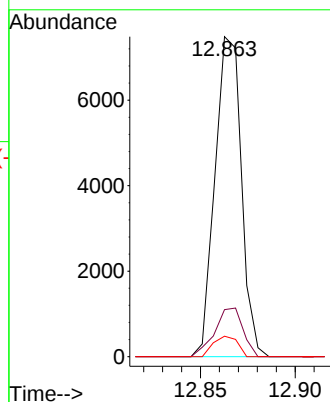
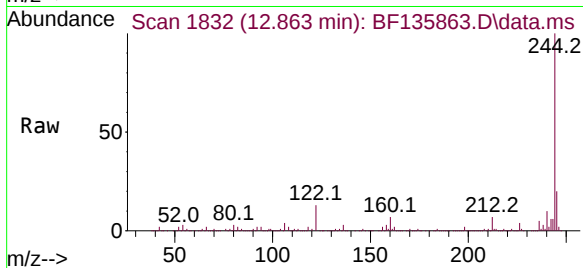
Tgt Ion:184 Resp: 7261

Ion Ratio Lower Upper

184 100

185 14.7 12.0 18.0

183 6.4 8.2 12.2#



#78

Pyrene

Concen: 19.232 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

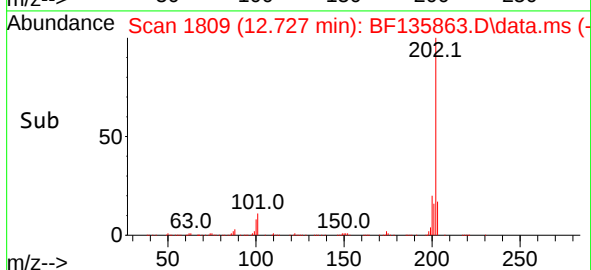
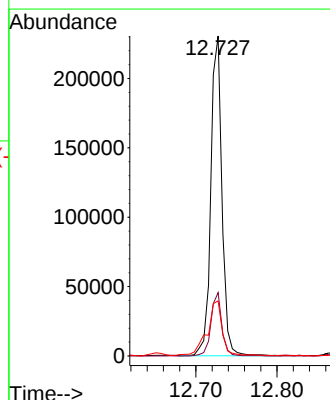
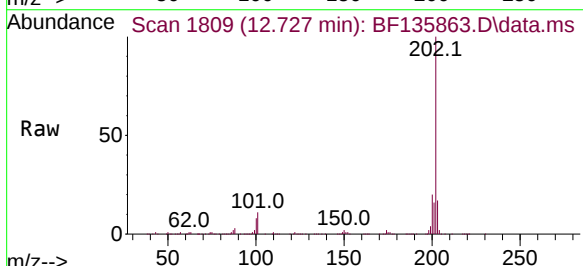
Tgt Ion:202 Resp: 218659

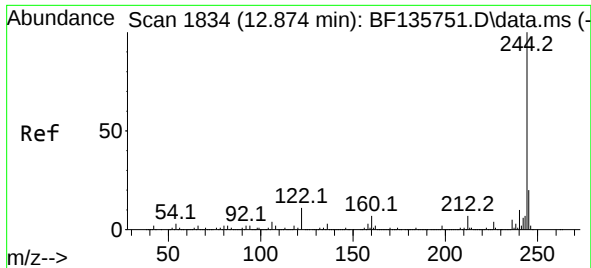
Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 17.2 14.2 21.2

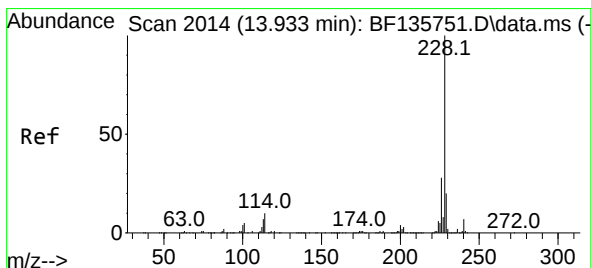
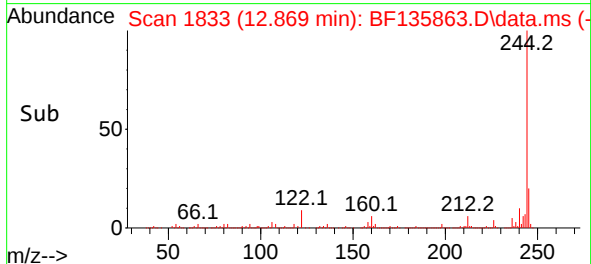
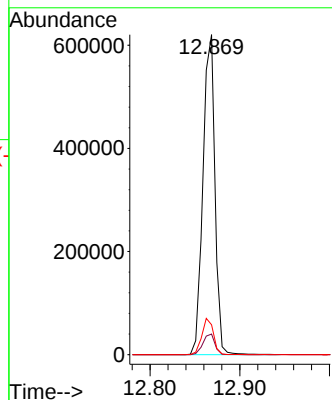
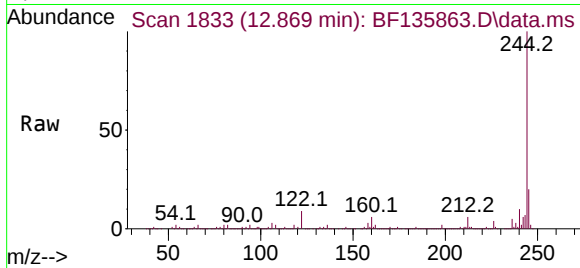




#79
 Terphenyl-d14
 Concen: 74.574 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135863.D
 Acq: 18 Oct 2023 23:28

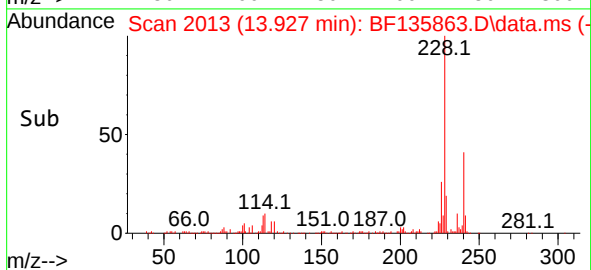
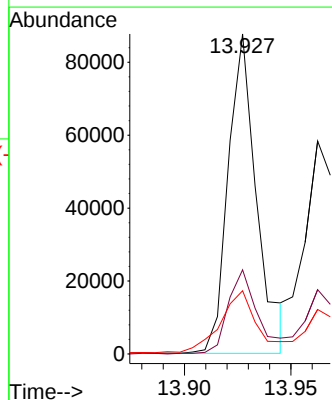
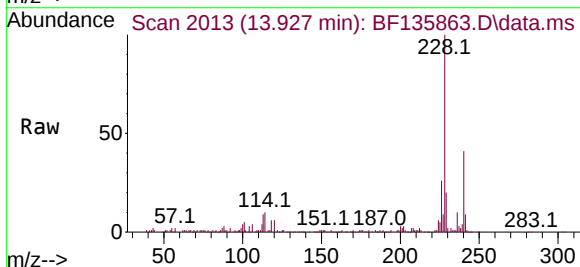
Instrument :
 BNA_F
 ClientSampleId :
 SU-622-COMP-04

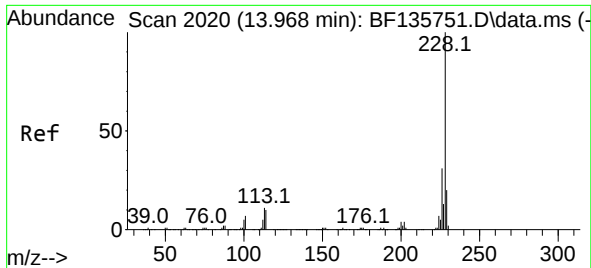
Tgt Ion:244 Resp: 576156
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 9.4 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 8.679 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135863.D
 Acq: 18 Oct 2023 23:28

Tgt Ion:228 Resp: 81564
 Ion Ratio Lower Upper
 228 100
 226 26.3 22.2 33.2
 229 19.8 16.1 24.1





#83

Chrysene

Concen: 6.963 ng

RT: 13.963 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04

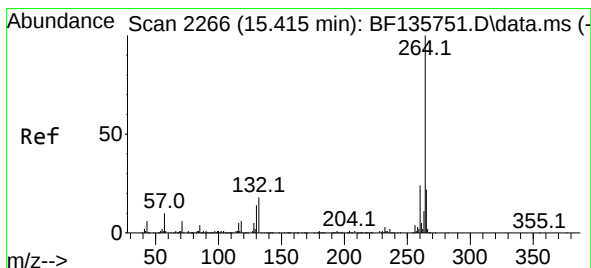
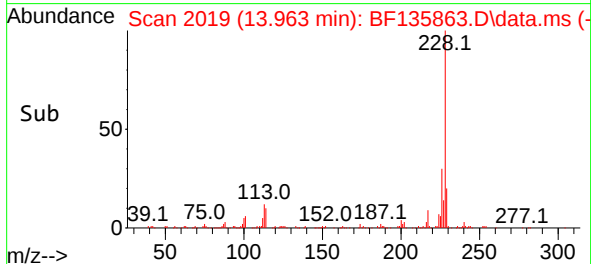
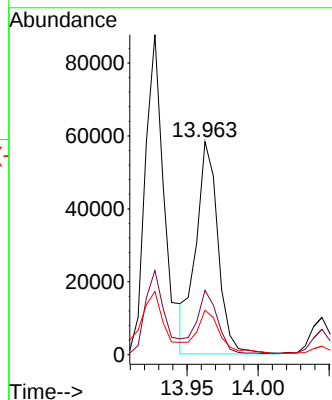
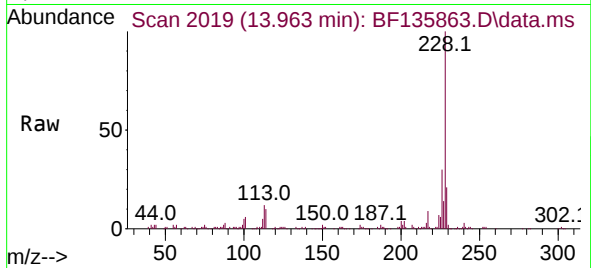
Tgt Ion:228 Resp: 63380

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 20.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

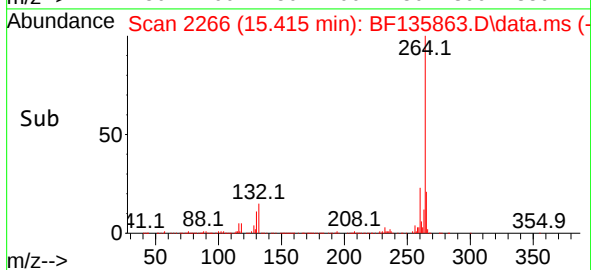
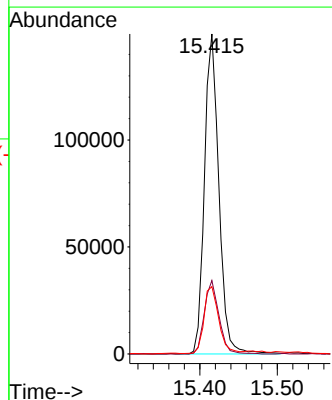
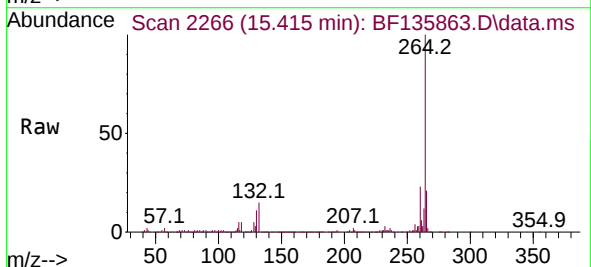
Tgt Ion:264 Resp: 193291

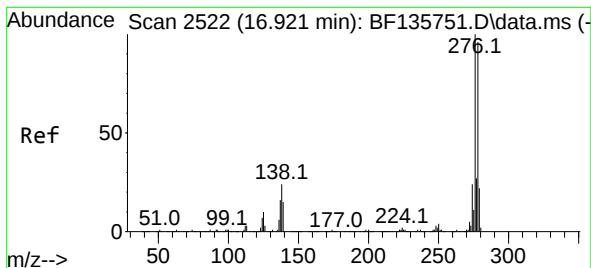
Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.453 ng

RT: 16.933 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04

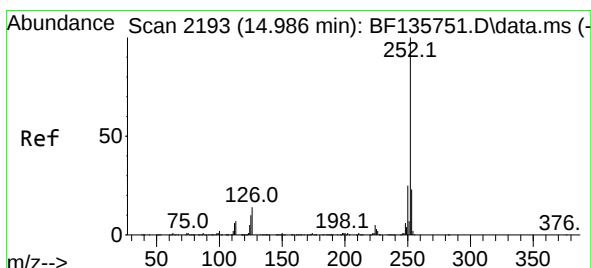
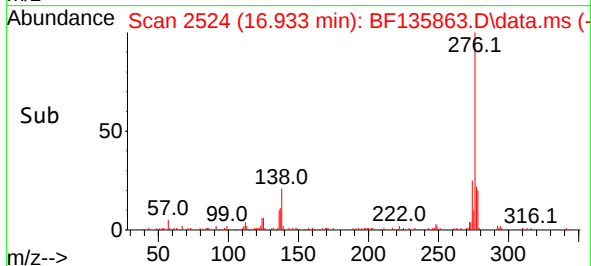
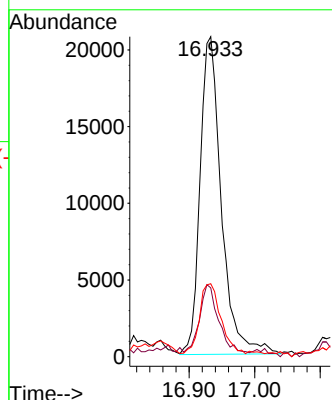
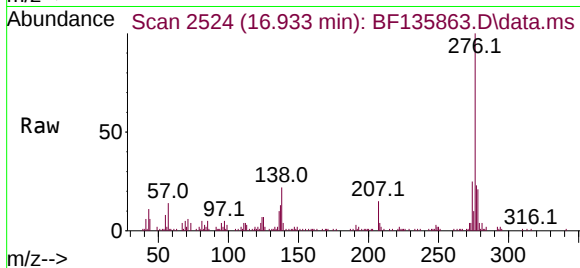
Tgt Ion:276 Resp: 46898

Ion Ratio Lower Upper

276 100

138 22.6 19.8 29.6

277 22.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 10.797 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135863.D

Acq: 18 Oct 2023 23:28

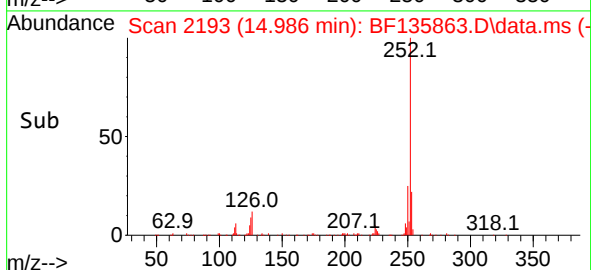
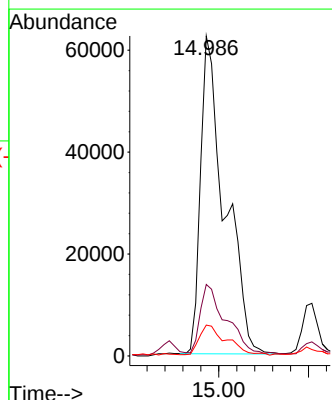
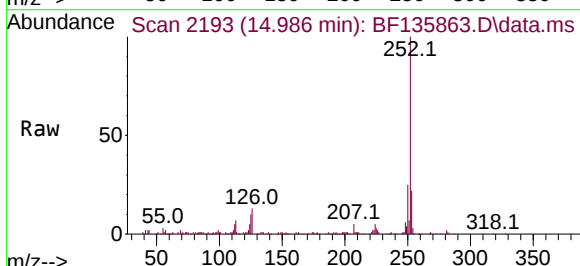
Tgt Ion:252 Resp: 116796

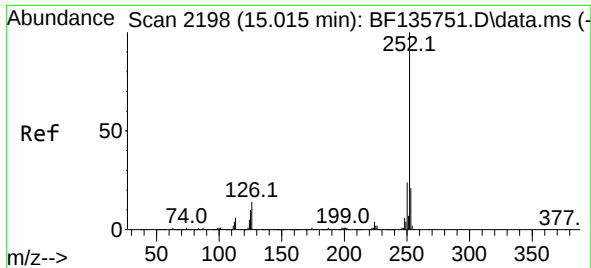
Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

125 9.7 8.2 12.2

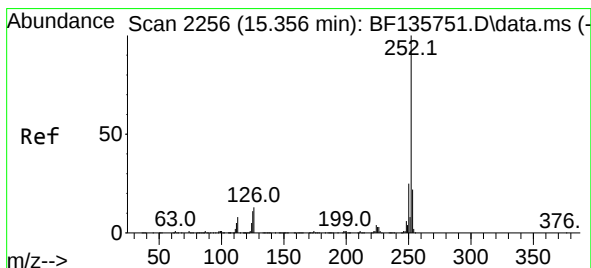
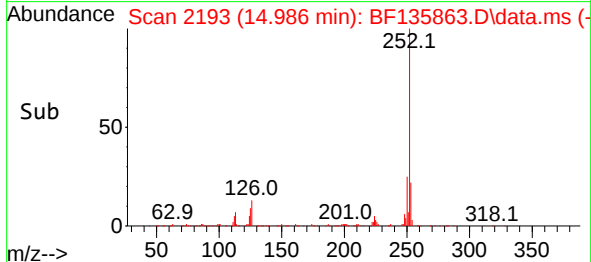
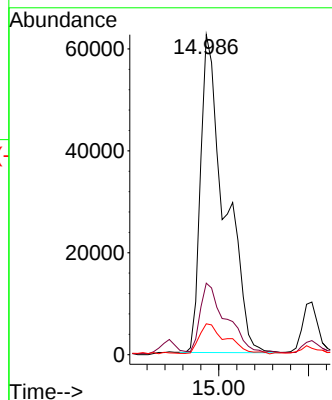
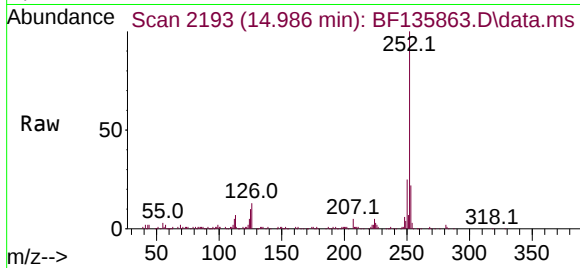




#89
Benzo(k)fluoranthene
Concen: 11.121 ng
RT: 14.986 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

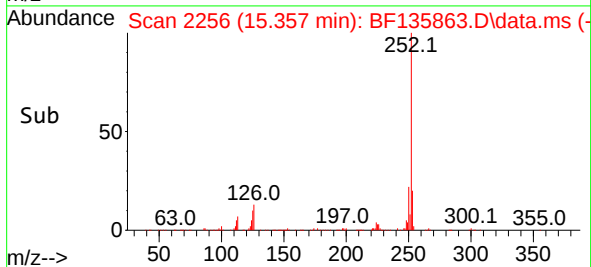
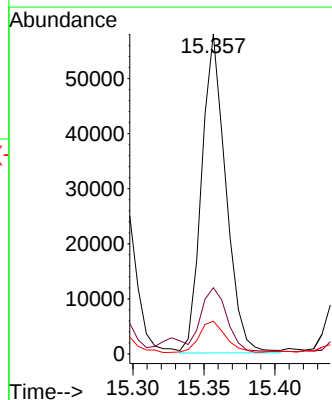
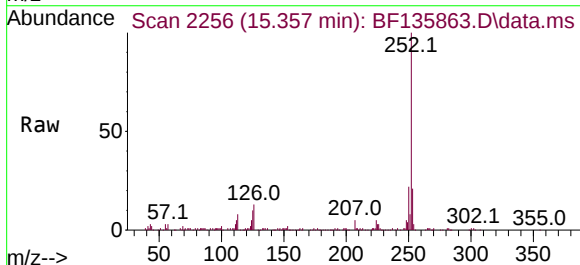
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04

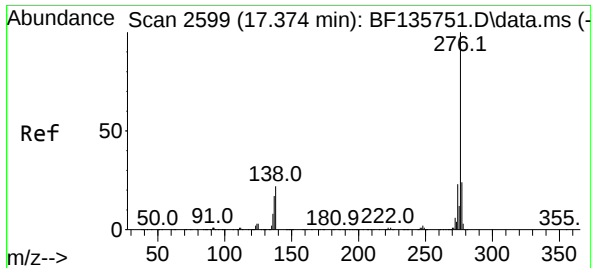
Tgt Ion:252 Resp: 116796
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 9.7 8.3 12.5



#90
Benzo(a)pyrene
Concen: 6.741 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF135863.D
Acq: 18 Oct 2023 23:28

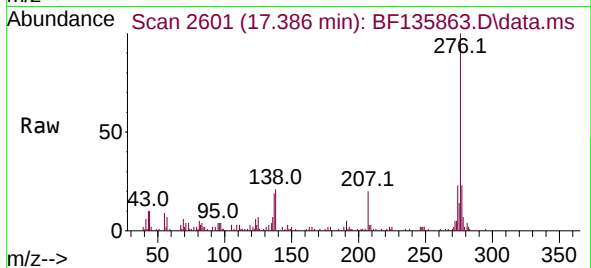
Tgt Ion:252 Resp: 68575
Ion Ratio Lower Upper
252 100
253 20.7 17.4 26.2
125 10.3 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.498 ng
 RT: 17.386 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF135863.D
 Acq: 18 Oct 2023 23:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-622-COMP-04



Tgt Ion:	276	Resp:	39895
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.4	29.2
138	21.0	17.3	25.9

