

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135672.D
 Acq On : 10 Oct 2023 02:17
 Operator : CG\JU
 Sample : 04609-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Oct 10 04:23:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

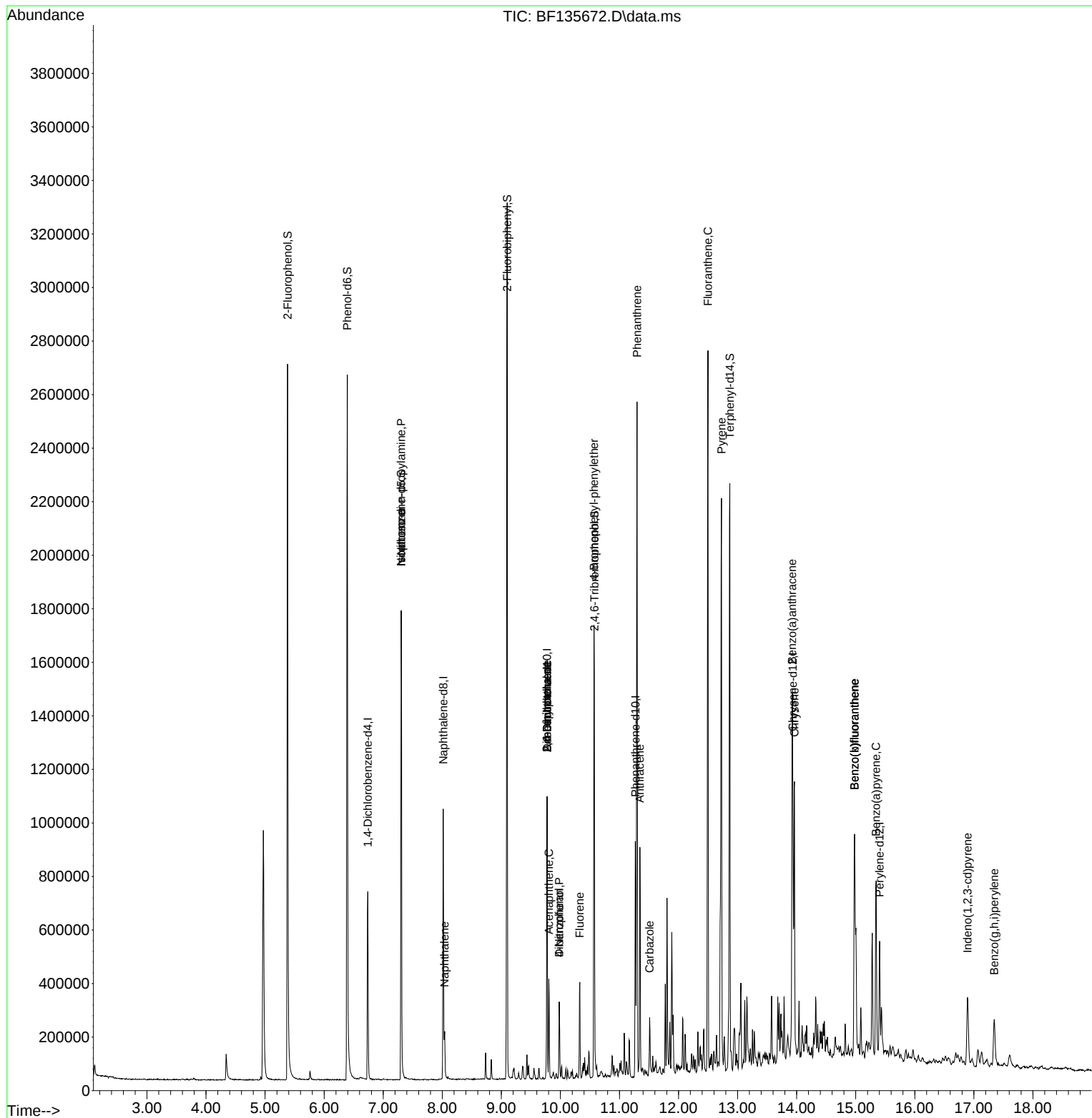
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	108279	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	421324	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	196814	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	324409	20.000	ng	0.00
76) Chrysene-d12	13.933	240	204879	20.000	ng	0.00
86) Perylene-d12	15.404	264	190504	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	717064	107.709	ng	0.01
7) Phenol-d6	6.393	99	908137	107.278	ng	0.00
23) Nitrobenzene-d5	7.304	82	567134	73.131	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	199421	101.961	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1010194	77.439	ng	0.00
79) Terphenyl-d14	12.869	244	809688	61.264	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	75720	14.441	ng	# 80
25) Isophorone	7.304	82	567128	39.826	ng	# 65
31) Naphthalene	8.040	128	75696	3.698	ng	98
50) Dimethylphthalate	9.775	163	39907	2.999	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	27016	9.268	ng	# 17
52) Acenaphthene	9.804	154	77962	7.236	ng	99
55) Dibenzofuran	9.981	168	96283	5.856	ng	98
56) 4-Nitrophenol	9.981	139	34747	15.978	ng	# 4
57) 2,4-Dinitrotoluene	9.775	165	27016	7.403	ng	# 19
58) Fluorene	10.328	166	101114	8.000	ng	98
67) 4-Bromophenyl-phenylether	10.569	248	12522	3.881	ng	# 1
71) Phenanthrene	11.298	178	915729	59.683	ng	99
72) Anthracene	11.345	178	311859	19.774	ng	99
73) Carbazole	11.510	167	77255	5.381	ng	99
75) Fluoranthene	12.498	202	1132434	70.833	ng	98
78) Pyrene	12.727	202	948851	48.644	ng	100
81) Benzo(a)anthracene	13.921	228	525266	39.704	ng	98
83) Chrysene	13.963	228	428119	32.549	ng	98
87) Indeno(1,2,3-cd)pyrene	16.892	276	167441	13.405	ng	96
88) Benzo(b)fluoranthene	14.980	252	649764	63.006	ng	# 96
89) Benzo(k)fluoranthene	14.980	252	649764	63.783	ng	# 96
90) Benzo(a)pyrene	15.345	252	325093	33.056	ng	99
92) Benzo(g,h,i)perylene	17.345	276	147975	13.864	ng	96

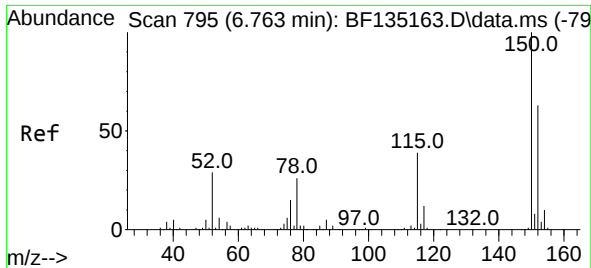
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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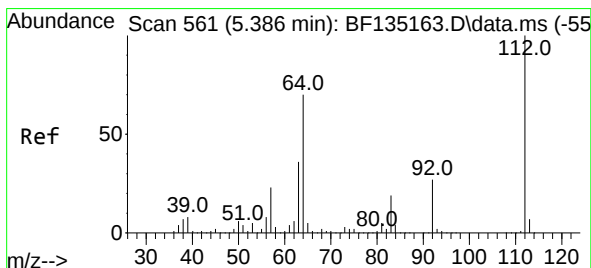
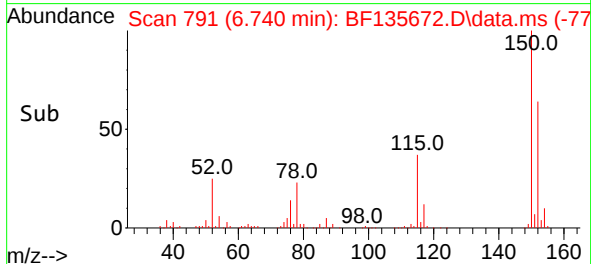
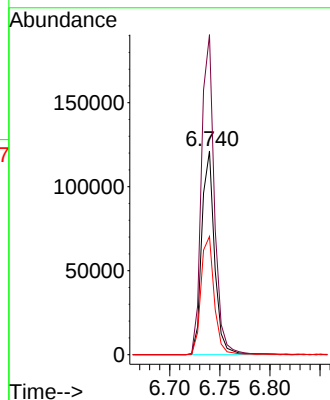
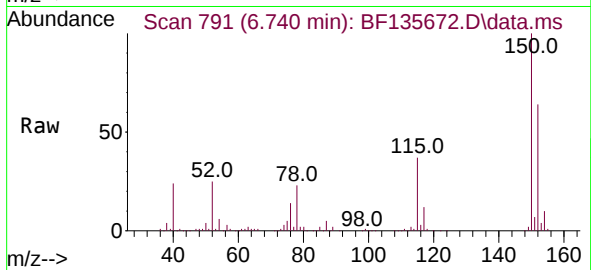




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

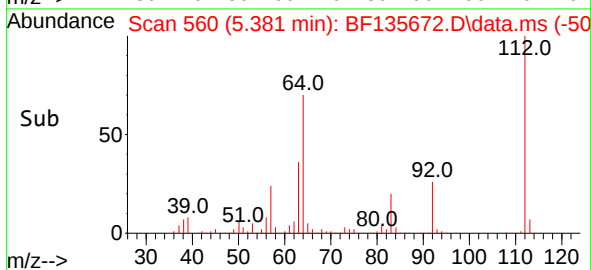
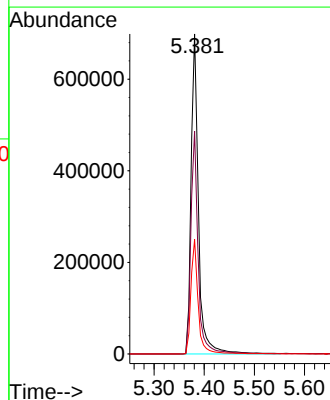
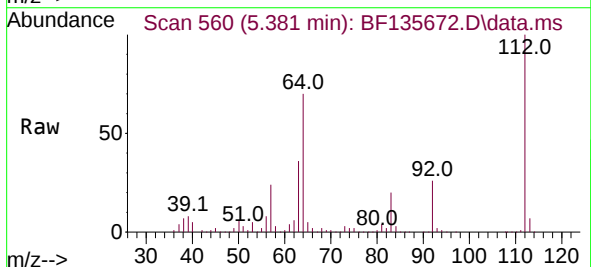
Instrument :
BNA_F
ClientSampleId :
TP-2

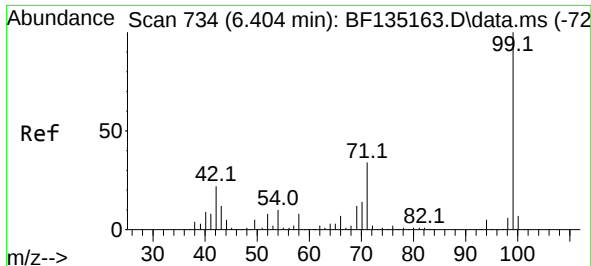
Tgt Ion:152 Resp: 108279
Ion Ratio Lower Upper
152 100
150 157.1 127.8 191.6
115 58.1 49.8 74.8



#5
2-Fluorophenol
Concen: 107.709 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

Tgt Ion:112 Resp: 717064
Ion Ratio Lower Upper
112 100
64 69.6 55.9 83.9
63 35.8 29.0 43.6

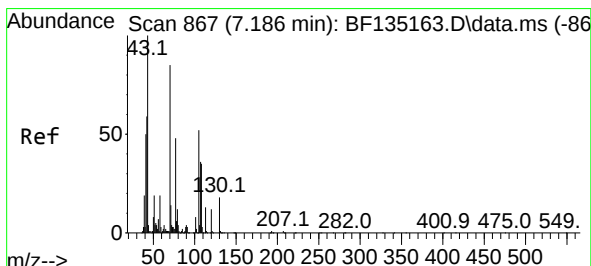
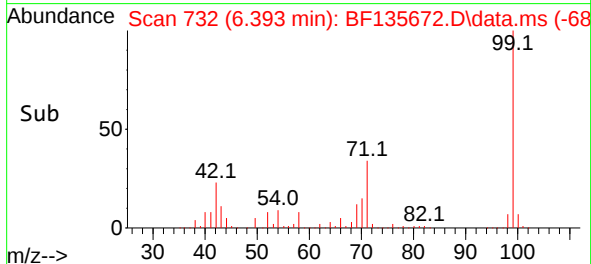
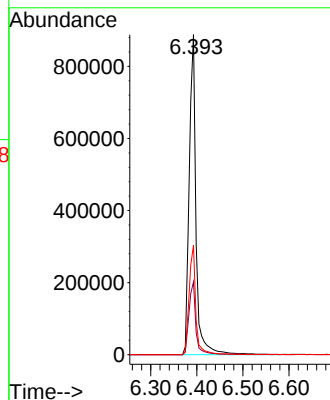
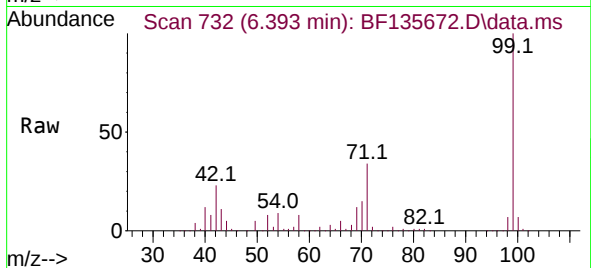




#7
Phenol-d6
Concen: 107.278 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

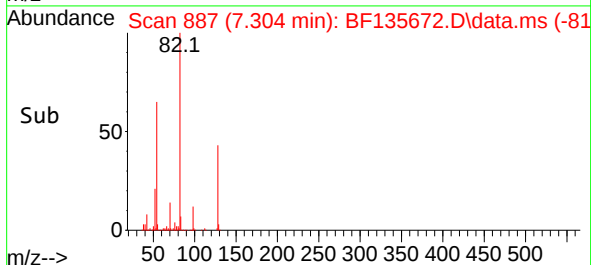
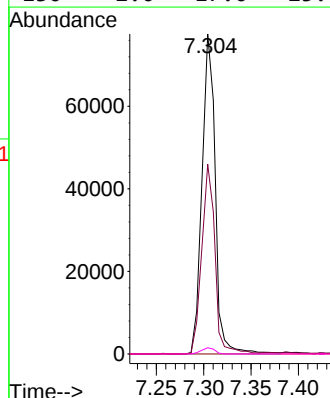
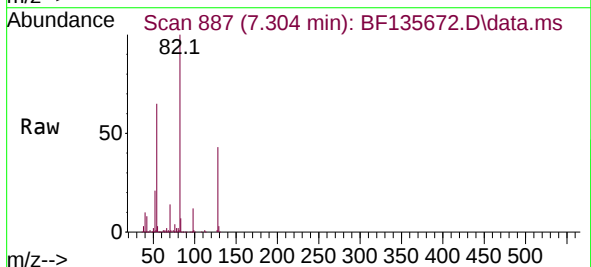
Instrument :
BNA_F
ClientSampleId :
TP-2

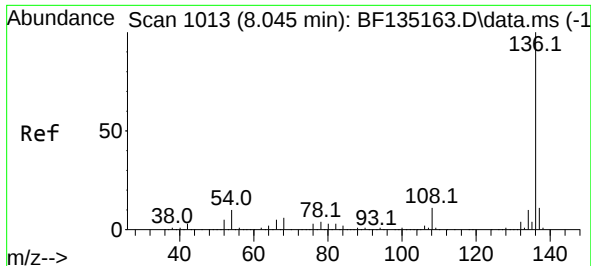
Tgt Ion: 99 Resp: 908137
Ion Ratio Lower Upper
99 100
42 22.8 17.9 26.9
71 34.2 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.441 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

Tgt Ion: 70 Resp: 75720
Ion Ratio Lower Upper
70 100
42 59.3 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

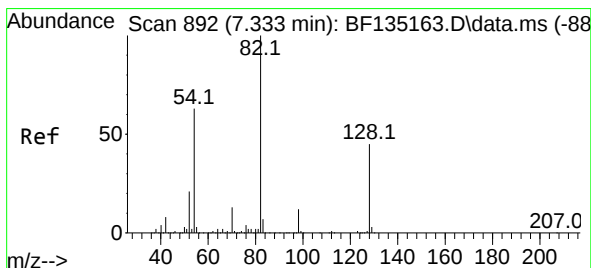
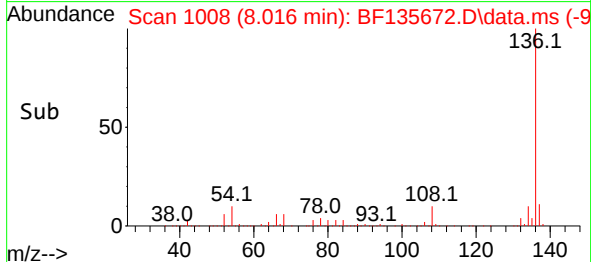
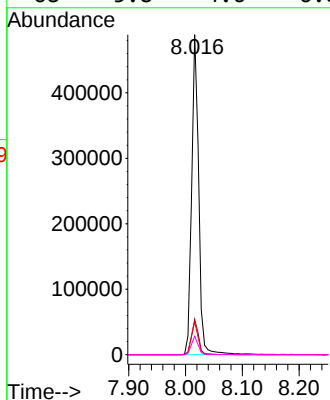
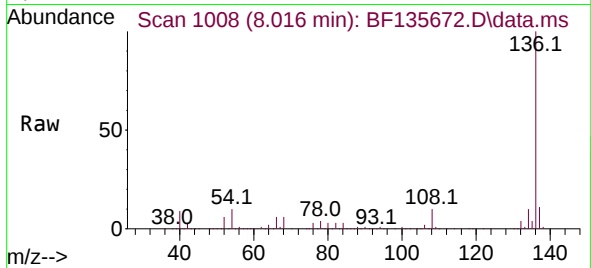




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

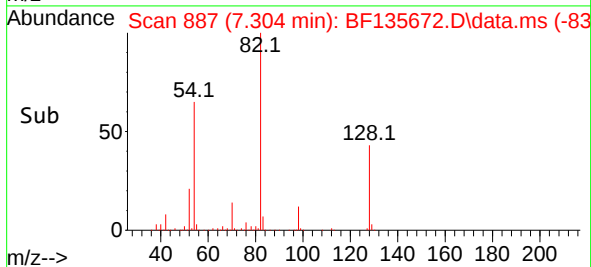
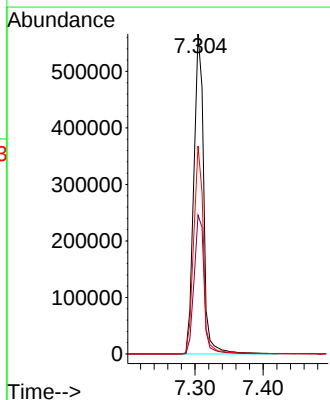
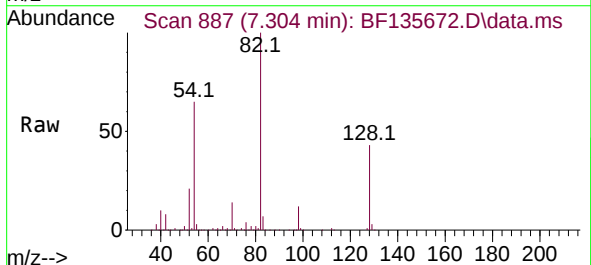
Instrument :
BNA_F
ClientSampleId :
TP-2

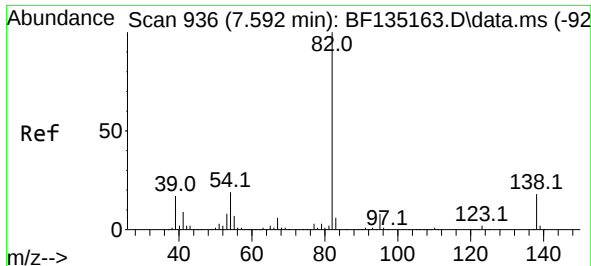
Tgt Ion:136 Resp: 421324
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.3 7.7 11.5
68 5.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 73.131 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

Tgt Ion: 82 Resp: 567134
Ion Ratio Lower Upper
82 100
128 43.3 35.8 53.6
54 64.9 50.6 76.0

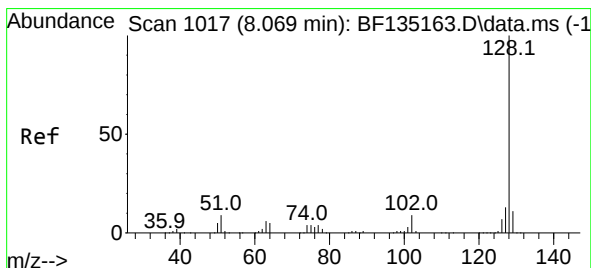
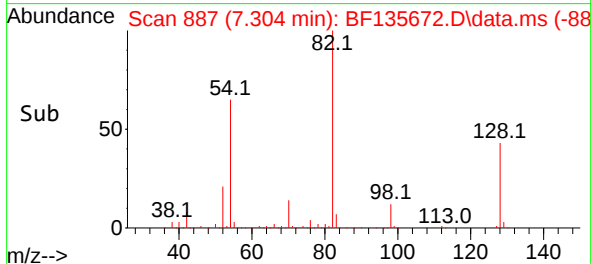
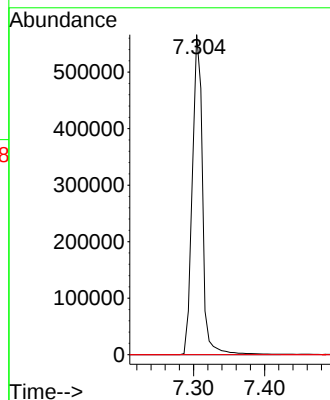
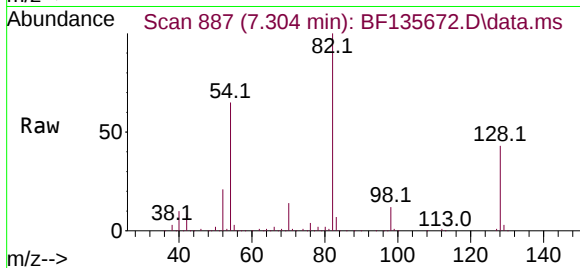




#25
Isophorone
Concen: 39.826 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

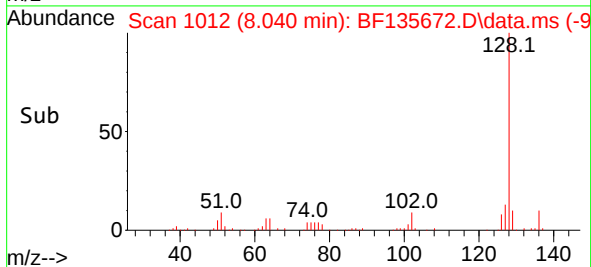
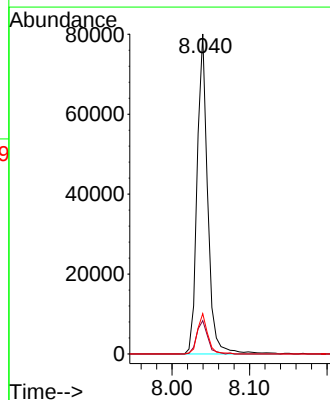
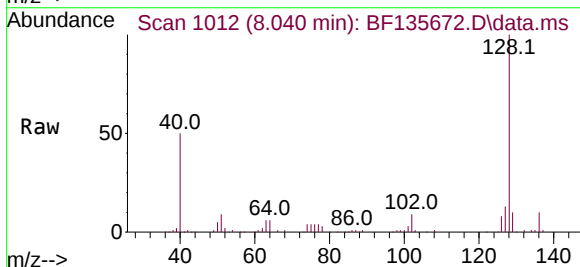
Instrument :
BNA_F
ClientSampleId :
TP-2

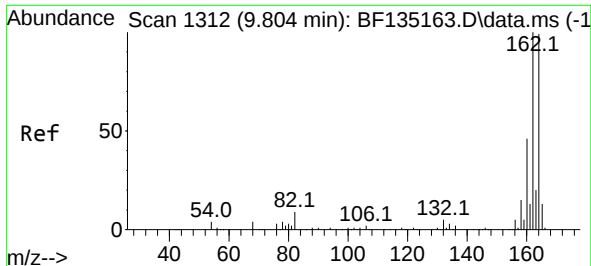
Tgt Ion: 82 Resp: 567128
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 3.698 ng
RT: 8.040 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

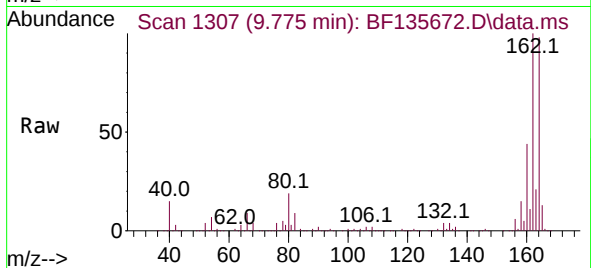
Tgt Ion: 128 Resp: 75696
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 12.6 10.7 16.1



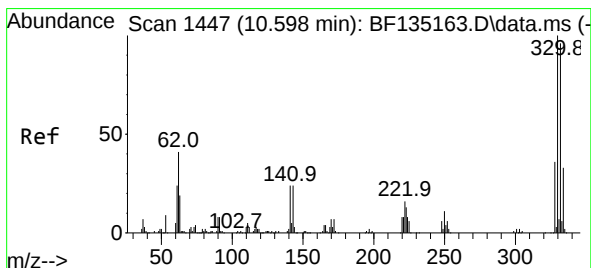
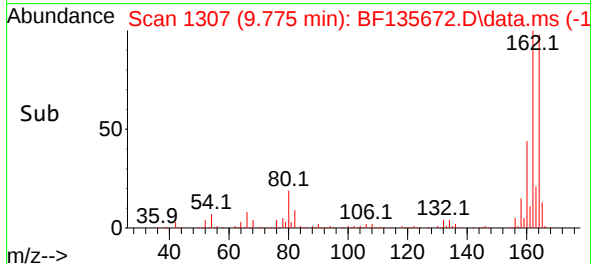
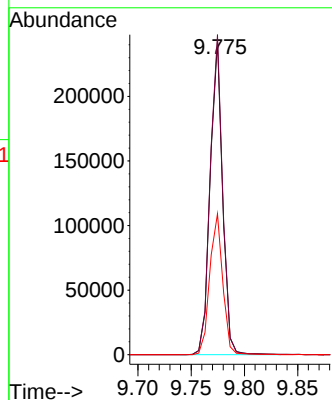


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

Instrument :
BNA_F
ClientSampleId :
TP-2

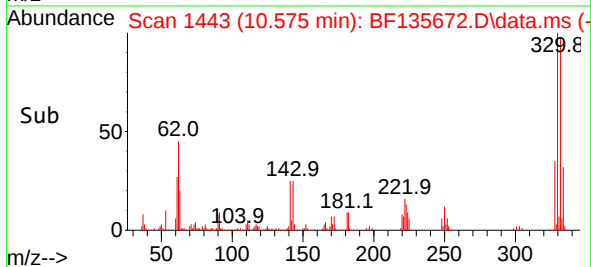
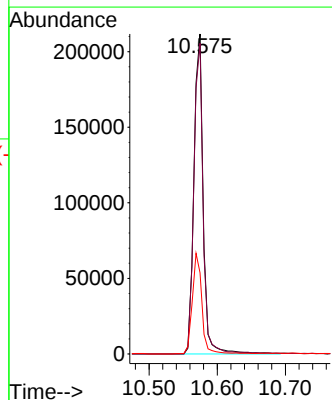
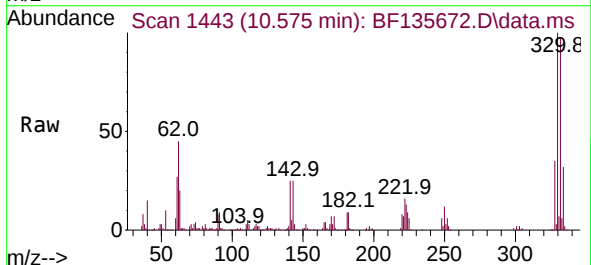


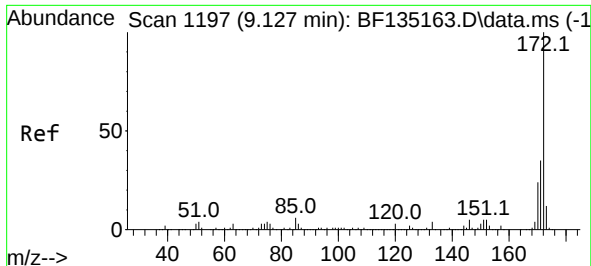
Tgt Ion:164 Resp: 196814
Ion Ratio Lower Upper
164 100
162 102.1 81.0 121.4
160 44.9 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 101.961 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

Tgt Ion:330 Resp: 199421
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 32.5 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 77.439 ng

RT: 9.098 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

Instrument :

BNA_F

ClientSampleId :

TP-2

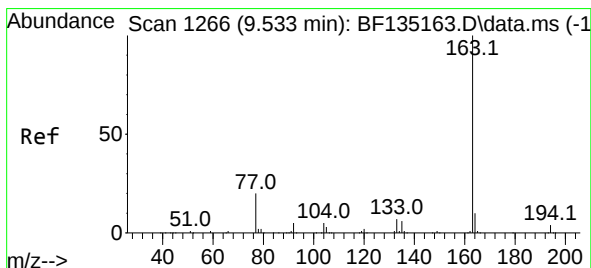
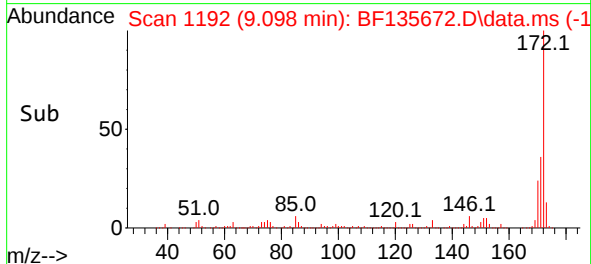
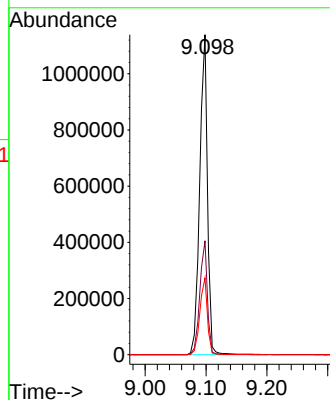
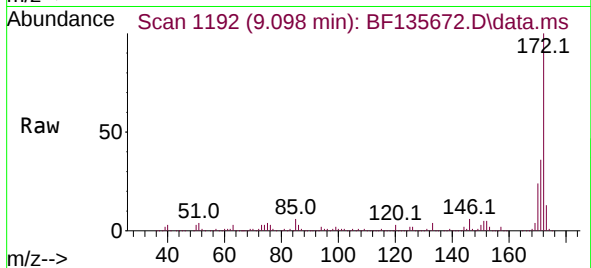
Tgt Ion:172 Resp: 1010194

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 24.0 19.0 28.4



#50

Dimethylphthalate

Concen: 2.999 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.271 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

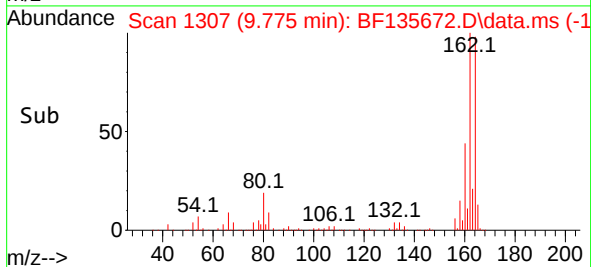
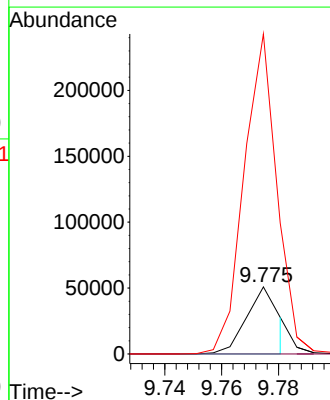
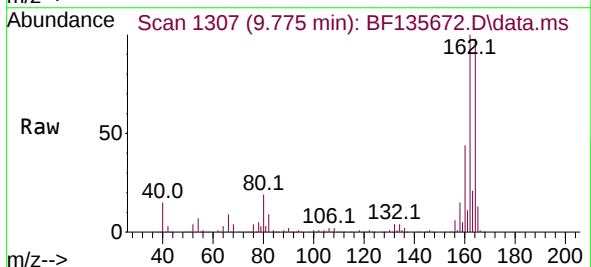
Tgt Ion:163 Resp: 39907

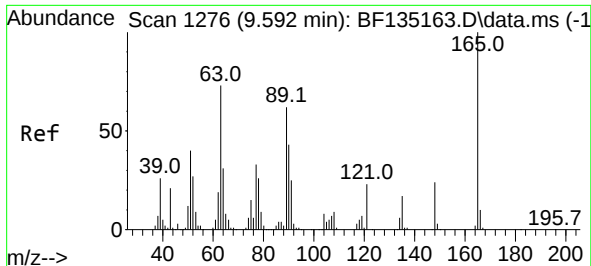
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 477.2 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 9.268 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

Instrument :

BNA_F

ClientSampleId :

TP-2

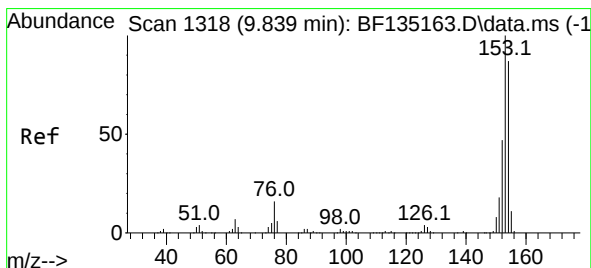
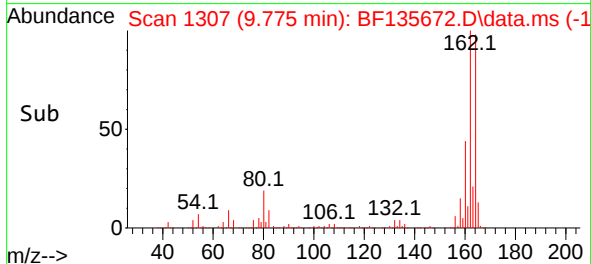
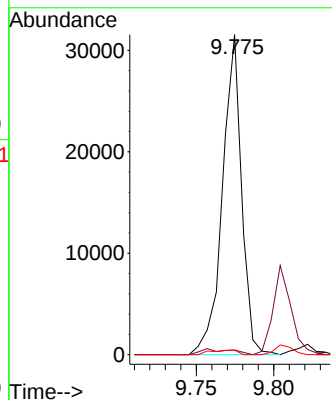
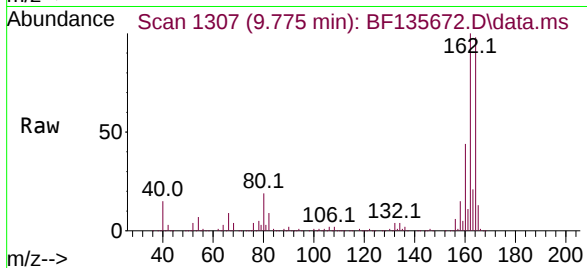
Tgt Ion:165 Resp: 27016

Ion Ratio Lower Upper

165 100

63 1.4 59.4 89.2#

89 1.4 49.8 74.8#



#52

Acenaphthene

Concen: 7.236 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

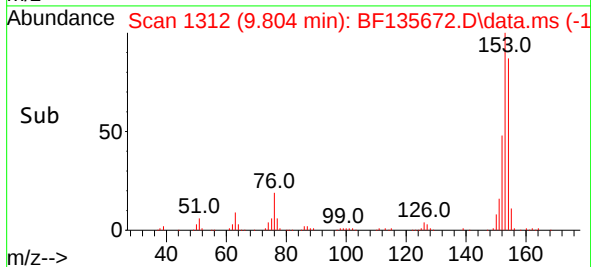
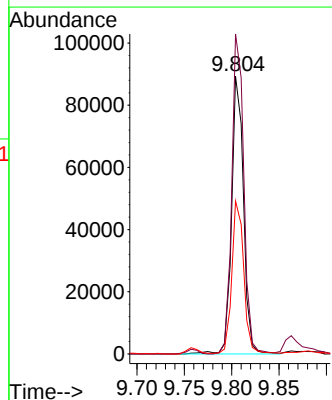
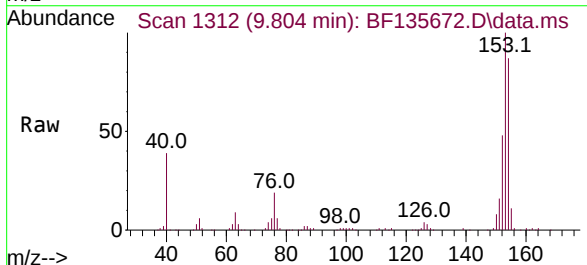
Tgt Ion:154 Resp: 77962

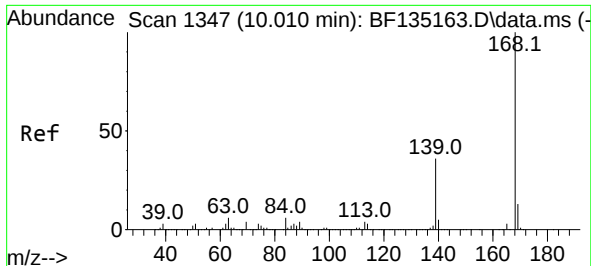
Ion Ratio Lower Upper

154 100

153 115.3 92.1 138.1

152 55.1 43.1 64.7

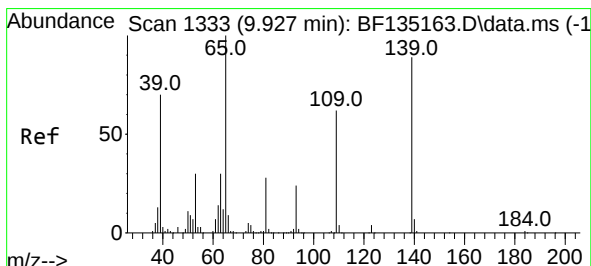
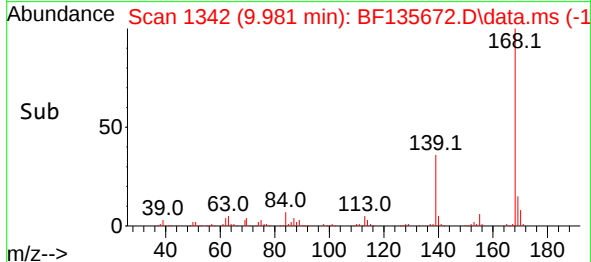
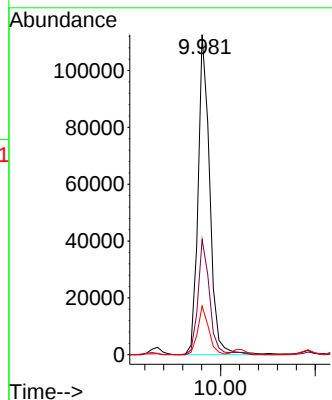
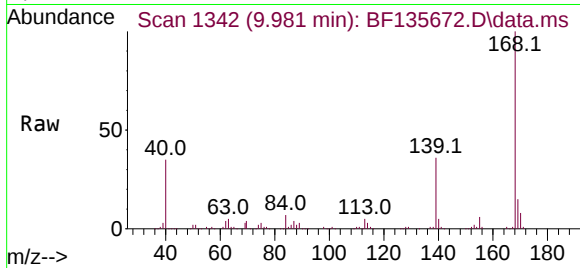




#55
Dibenzenofuran
Concen: 5.856 ng
RT: 9.981 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

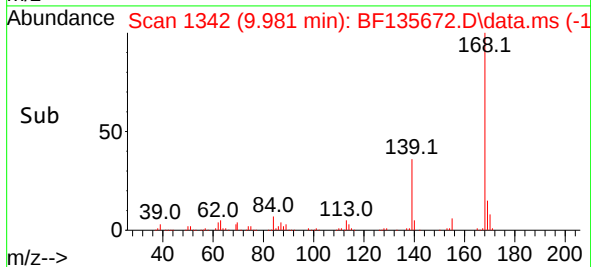
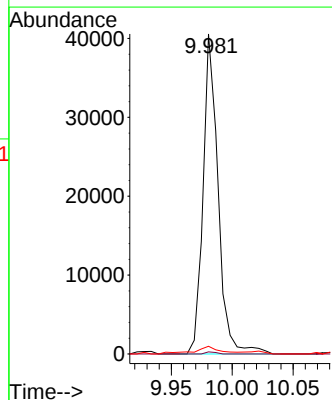
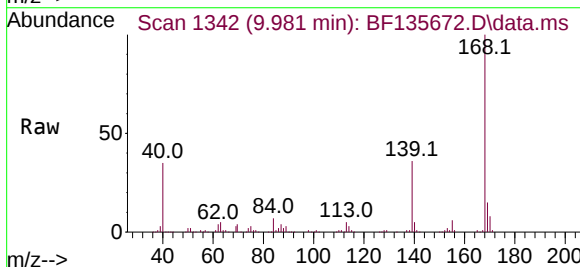
Instrument :
BNA_F
ClientSampleId :
TP-2

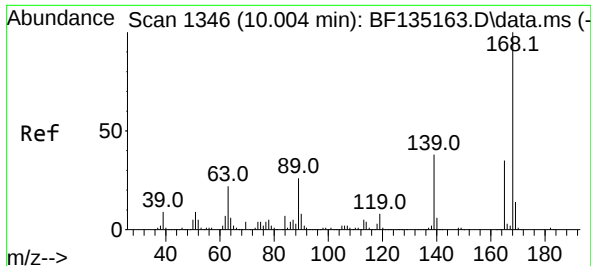
Tgt Ion:168 Resp: 96283
Ion Ratio Lower Upper
168 100
139 36.0 29.0 43.6
169 15.2 10.4 15.6



#56
4-Nitrophenol
Concen: 15.978 ng
RT: 9.981 min Scan# 1342
Delta R.T. 0.053 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

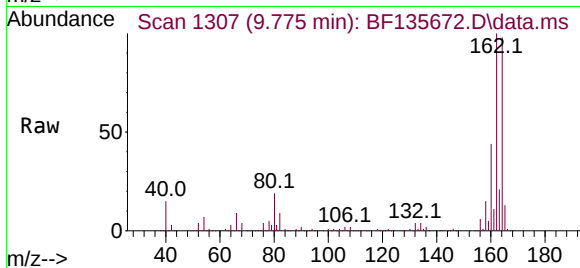
Tgt Ion:139 Resp: 34747
Ion Ratio Lower Upper
139 100
109 0.7 49.8 89.8#
65 2.4 92.7 132.7#



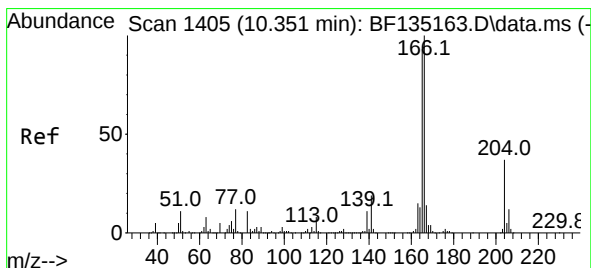
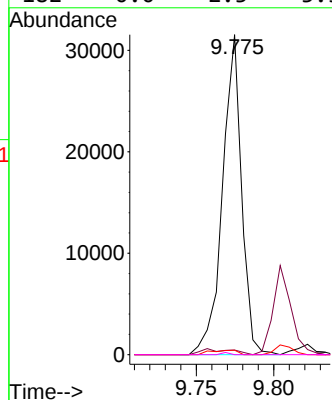
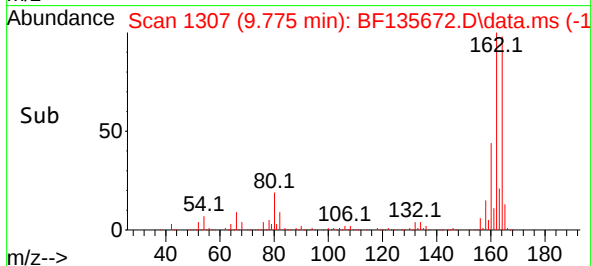


#57
2,4-Dinitrotoluene
Concen: 7.403 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

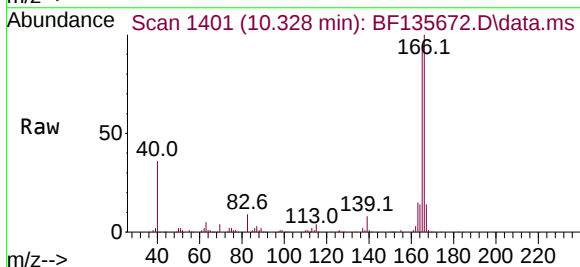
Instrument :
BNA_F
ClientSampleId :
TP-2



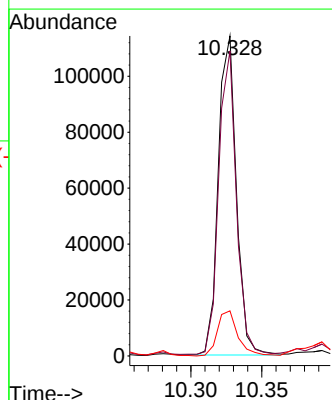
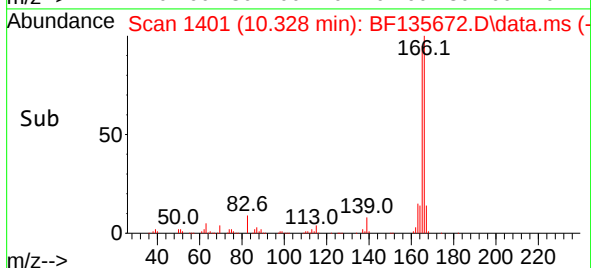
Tgt Ion:165 Resp: 27016
Ion Ratio Lower Upper
165 100
63 1.4 50.1 75.1#
89 1.4 59.3 88.9#
182 0.0 2.3 3.5#

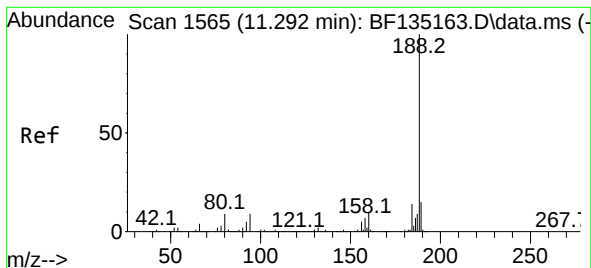


#58
Fluorene
Concen: 8.000 ng
RT: 10.328 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17



Tgt Ion:166 Resp: 101114
Ion Ratio Lower Upper
166 100
165 95.4 74.3 111.5
167 14.1 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

Instrument :

BNA_F

ClientSampleId :

TP-2

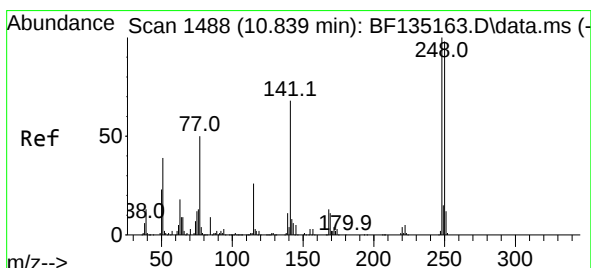
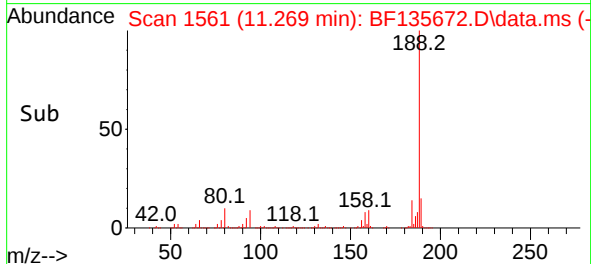
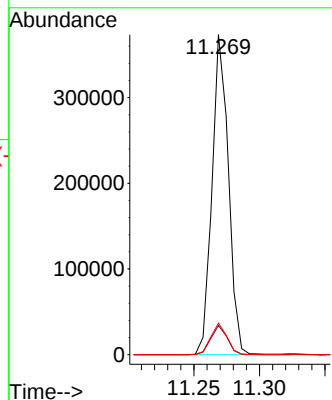
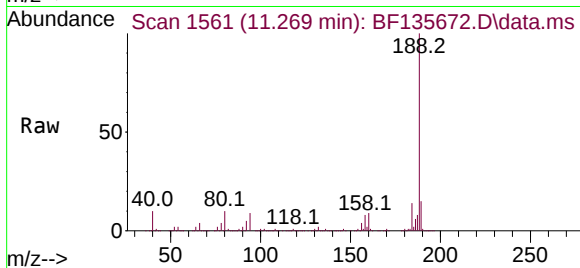
Tgt Ion:188 Resp: 324409

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

80 9.9 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 3.881 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.241 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

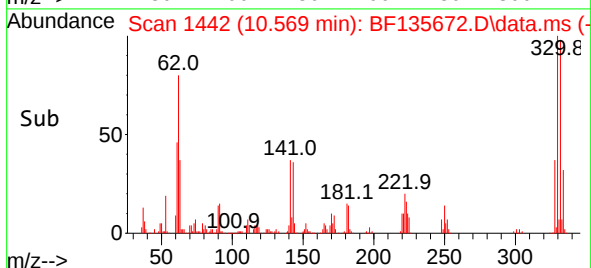
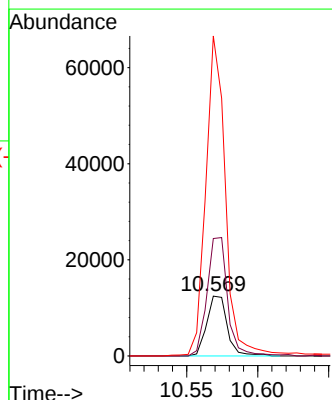
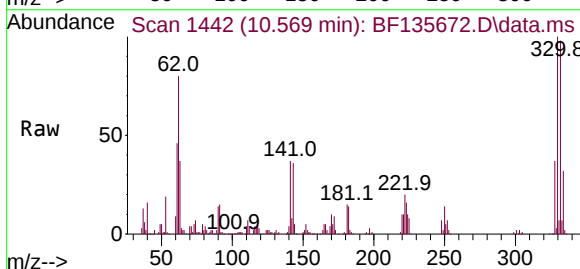
Tgt Ion:248 Resp: 12522

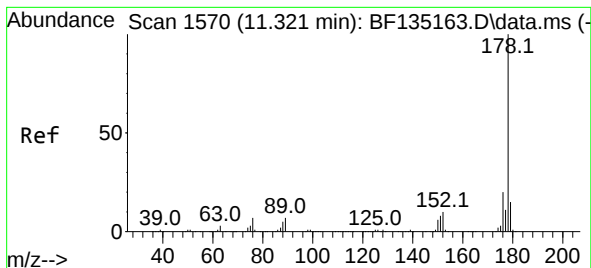
Ion Ratio Lower Upper

248 100

250 196.0 78.6 117.8#

141 534.1 54.2 81.2#





#71

Phenanthrene

Concen: 59.683 ng

RT: 11.298 min Scan# 1566

Delta R.T. 0.006 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

Instrument :

BNA_F

ClientSampleId :

TP-2

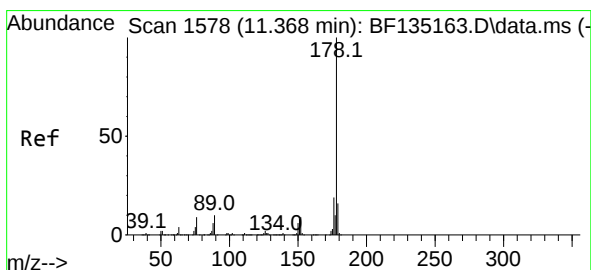
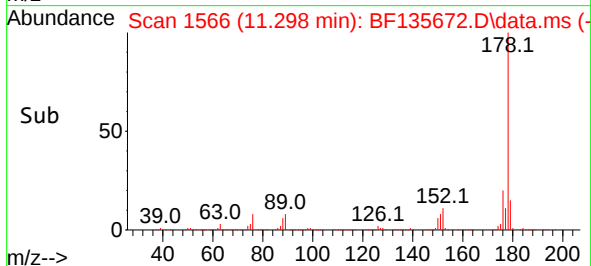
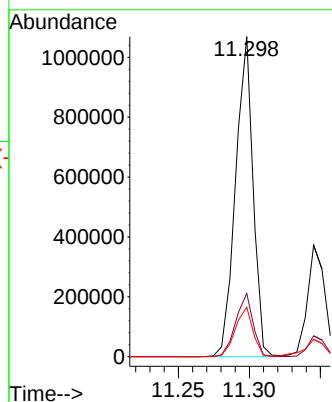
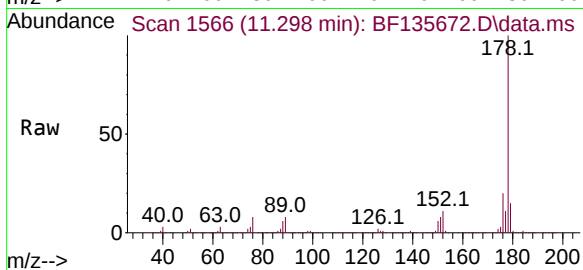
Tgt Ion:178 Resp: 915729

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

179 15.4 12.0 18.0



#72

Anthracene

Concen: 19.774 ng

RT: 11.345 min Scan# 1574

Delta R.T. 0.000 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

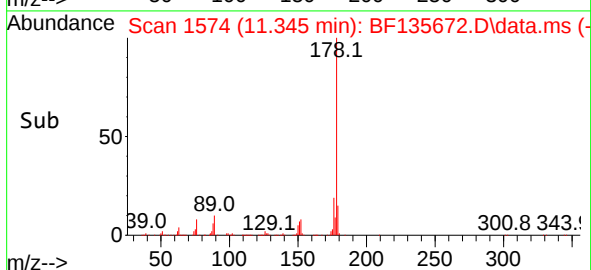
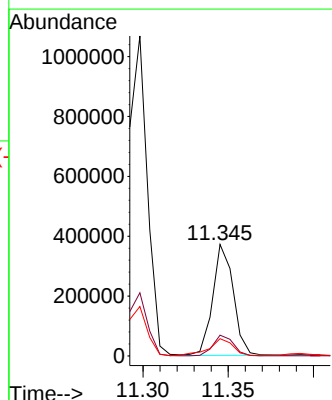
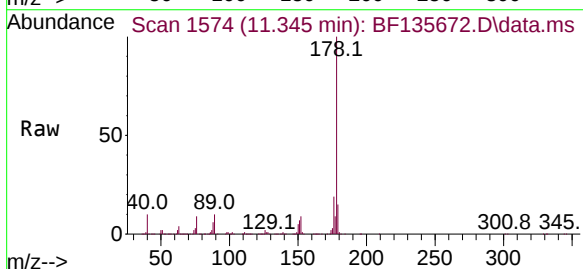
Tgt Ion:178 Resp: 311859

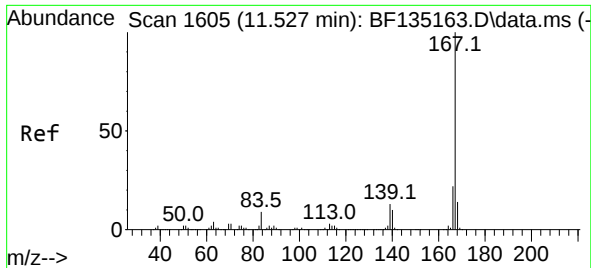
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.5 12.6 19.0

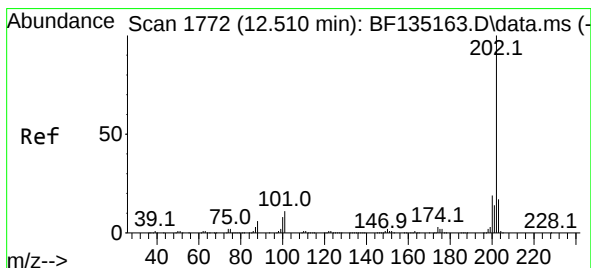
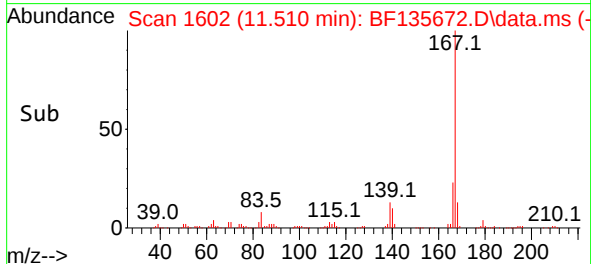
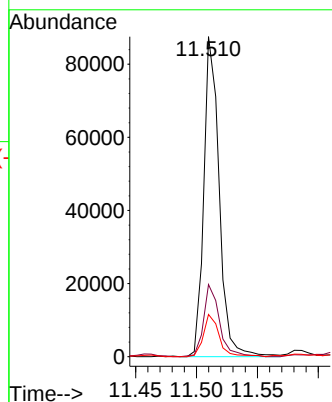
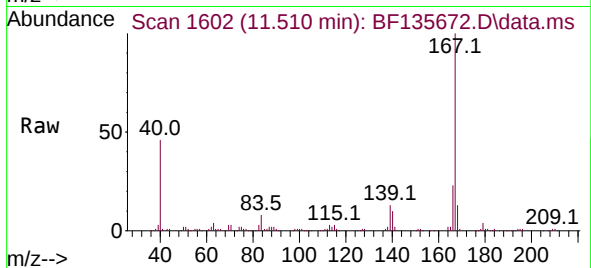




#73
 Carbazole
 Concen: 5.381 ng
 RT: 11.510 min Scan# 1602
 Delta R.T. 0.000 min
 Lab File: BF135672.D
 Acq: 10 Oct 2023 02:17

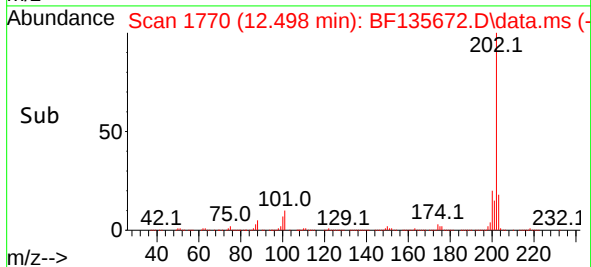
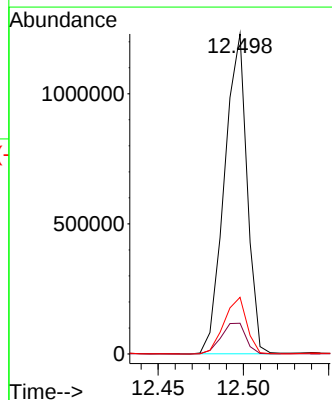
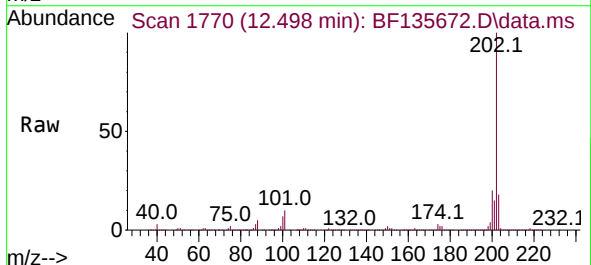
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

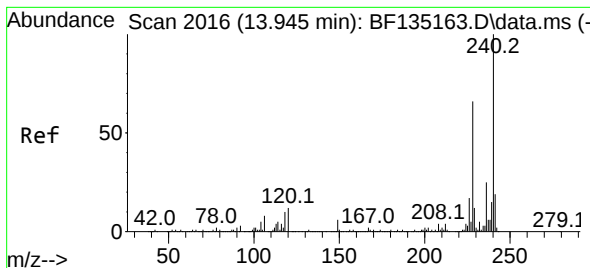
Tgt Ion:167 Resp: 77255
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.4 26.0
 139 13.2 10.6 15.8



#75
 Fluoranthene
 Concen: 70.833 ng
 RT: 12.498 min Scan# 1770
 Delta R.T. 0.012 min
 Lab File: BF135672.D
 Acq: 10 Oct 2023 02:17

Tgt Ion:202 Resp: 1132434
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 31.3
 203 17.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

Instrument :

BNA_F

ClientSampleId :

TP-2

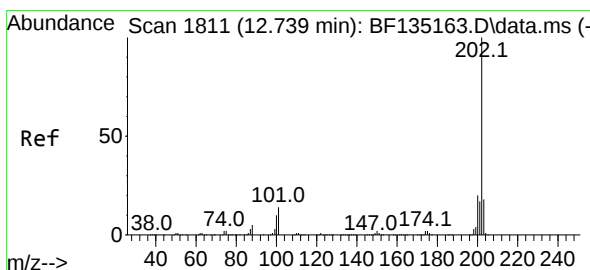
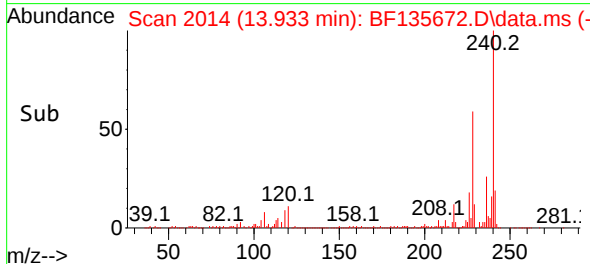
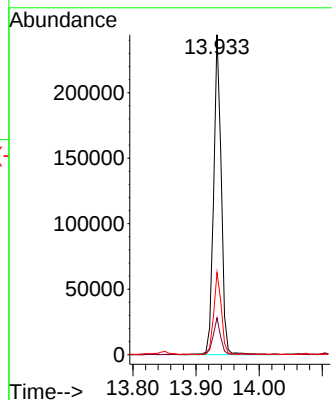
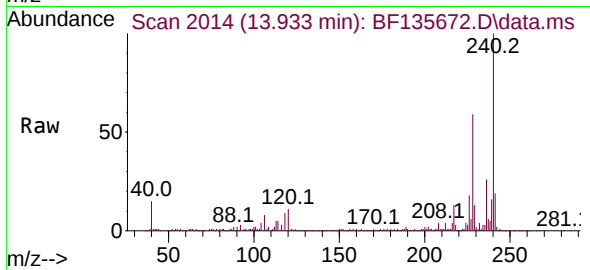
Tgt Ion:240 Resp: 204879

Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

236 25.7 19.8 29.8



#78

Pyrene

Concen: 48.644 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.012 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

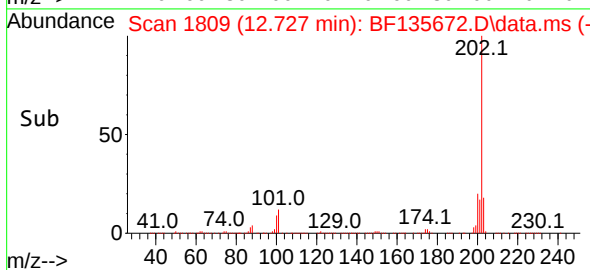
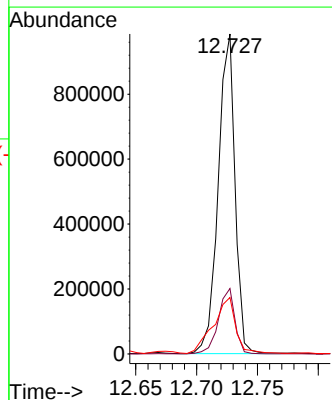
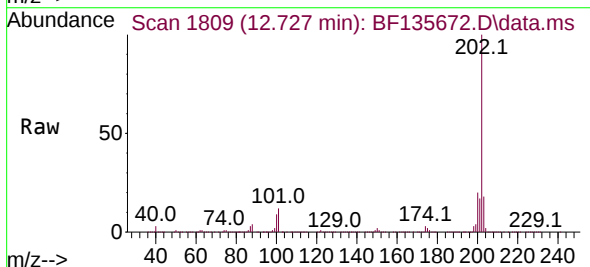
Tgt Ion:202 Resp: 948851

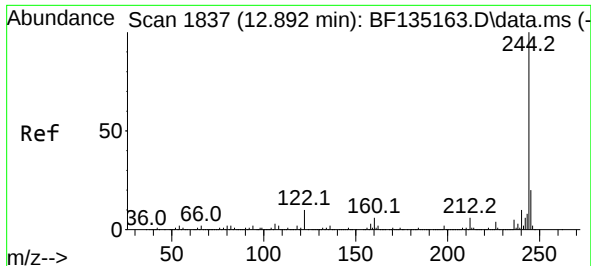
Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 17.6 14.2 21.4

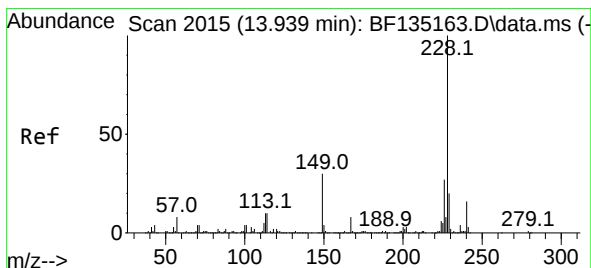
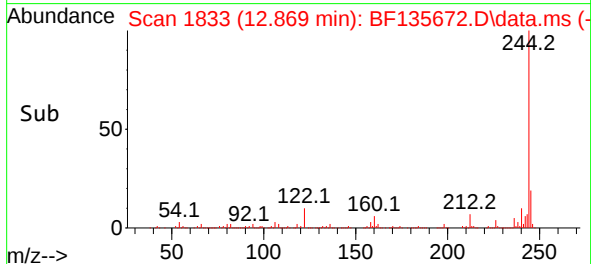
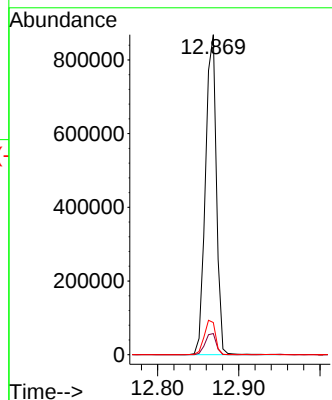
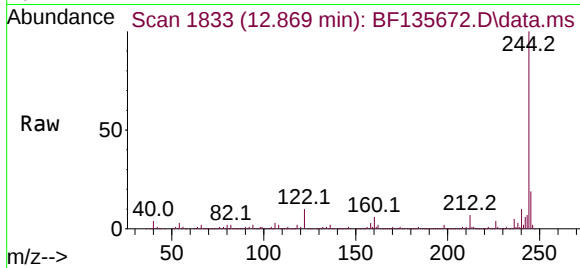




#79
 Terphenyl-d14
 Concen: 61.264 ng
 RT: 12.869 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF135672.D
 Acq: 10 Oct 2023 02:17

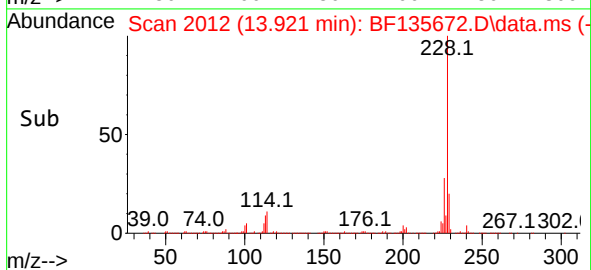
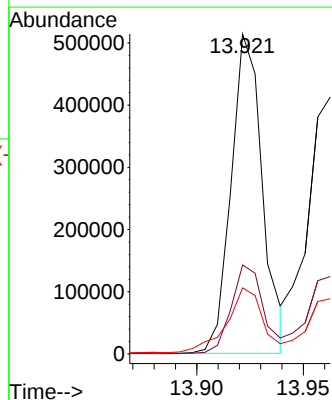
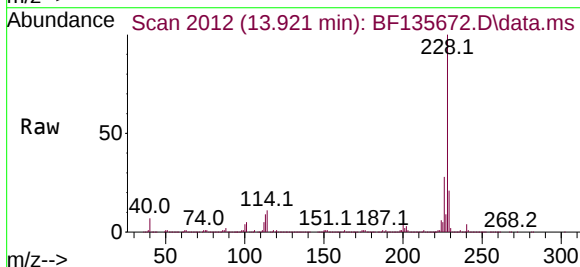
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

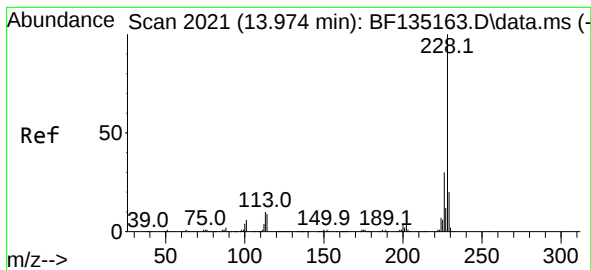
Tgt Ion:244 Resp: 809688
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 10.1 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 39.704 ng
 RT: 13.921 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: BF135672.D
 Acq: 10 Oct 2023 02:17

Tgt Ion:228 Resp: 525266
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.7 32.5
 229 20.6 15.8 23.8





#83

Chrysene

Concen: 32.549 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

Instrument :

BNA_F

ClientSampleId :

TP-2

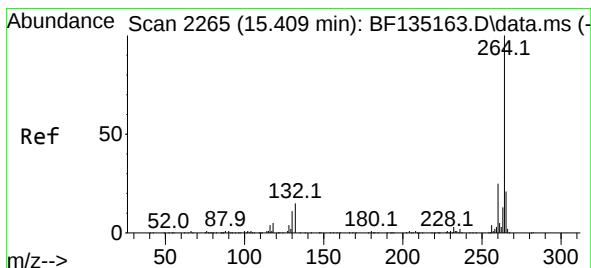
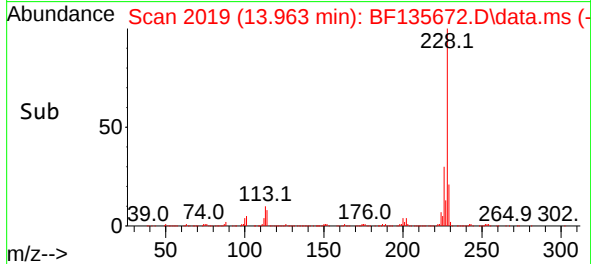
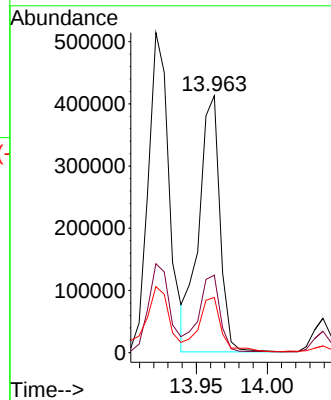
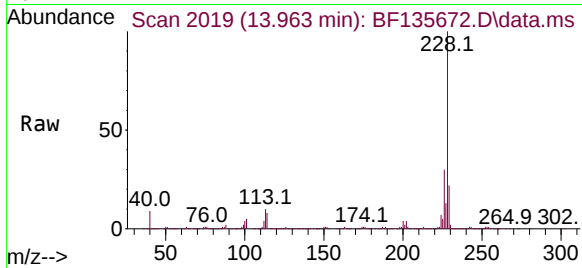
Tgt Ion:228 Resp: 428119

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 21.5 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.018 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

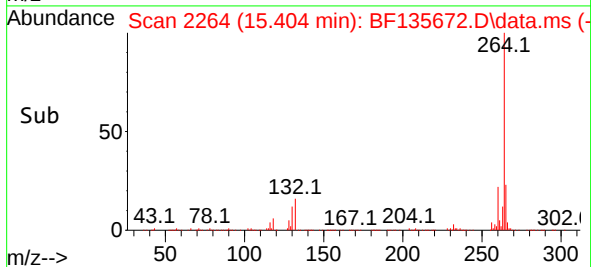
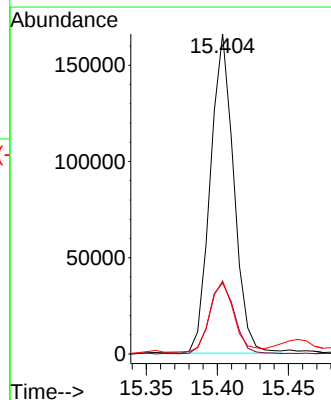
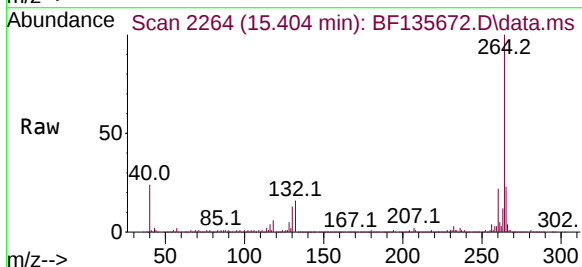
Tgt Ion:264 Resp: 190504

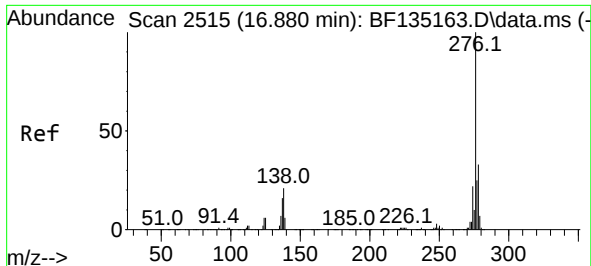
Ion Ratio Lower Upper

264 100

260 22.2 19.8 29.6

265 22.9 17.0 25.4

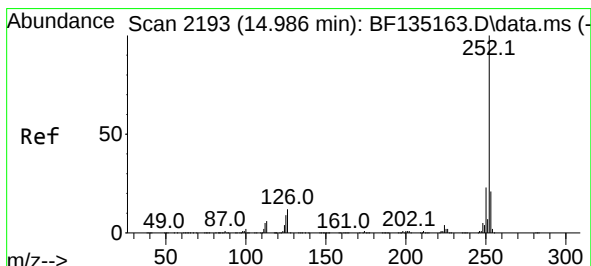
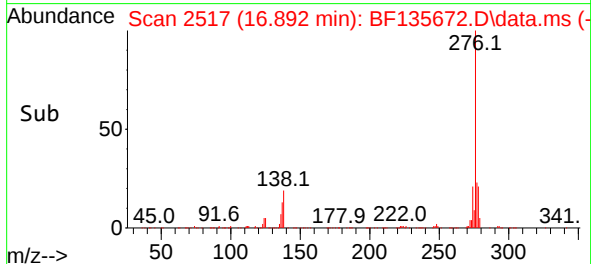
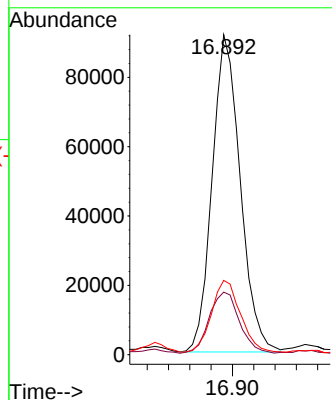
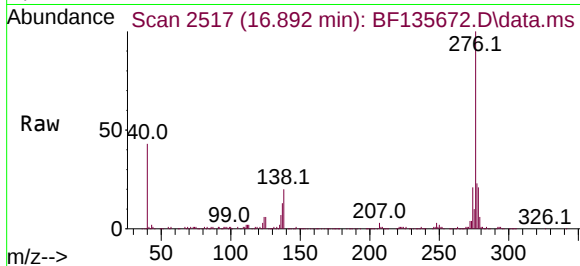




#87
Indeno(1,2,3-cd)pyrene
Concen: 13.405 ng
RT: 16.892 min Scan# 2117
Delta R.T. 0.024 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

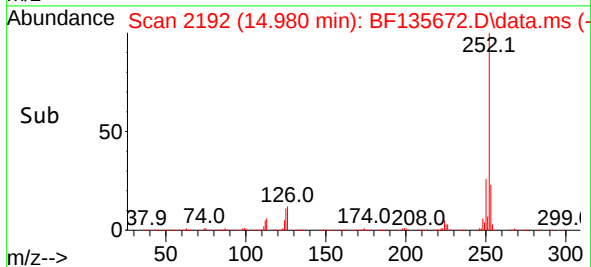
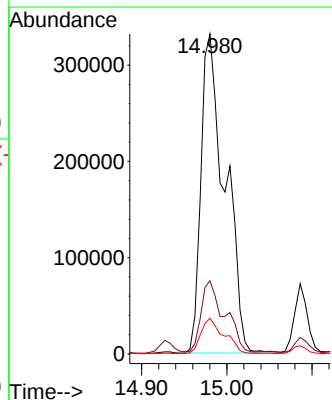
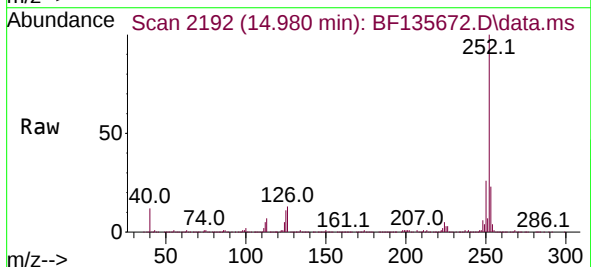
Instrument :
BNA_F
ClientSampleId :
TP-2

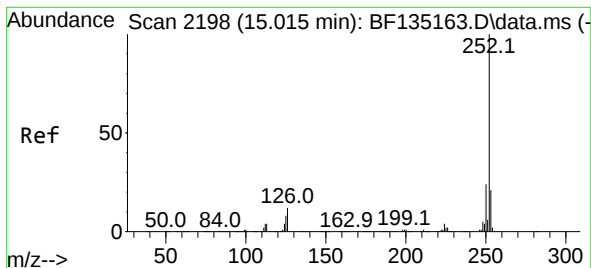
Tgt Ion:276 Resp: 167441
Ion Ratio Lower Upper
276 100
138 20.7 19.2 28.8
277 23.9 19.7 29.5



#88
Benzo(b)fluoranthene
Concen: 63.006 ng
RT: 14.980 min Scan# 2192
Delta R.T. 0.018 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

Tgt Ion:252 Resp: 649764
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 11.2 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 63.783 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

Instrument :

BNA_F

ClientSampleId :

TP-2

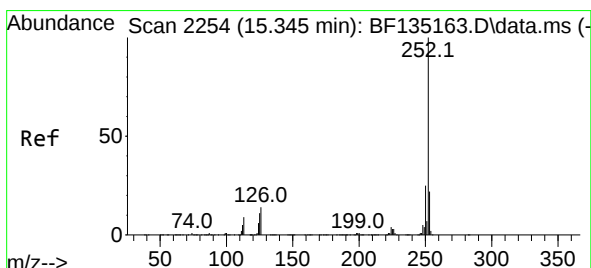
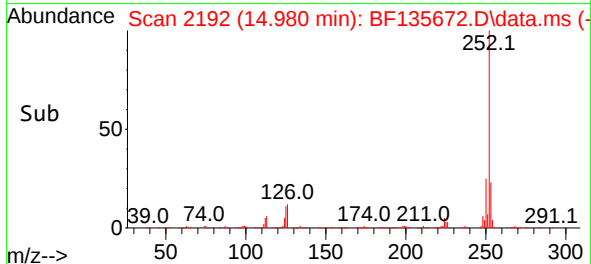
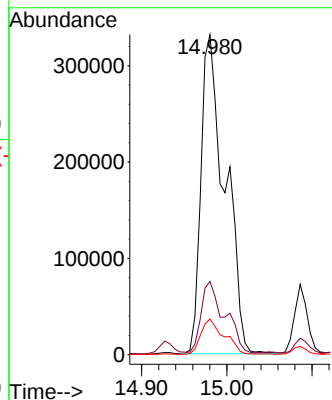
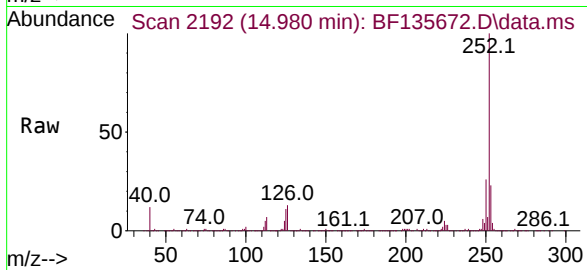
Tgt Ion:252 Resp: 649764

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 11.2 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 33.056 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.018 min

Lab File: BF135672.D

Acq: 10 Oct 2023 02:17

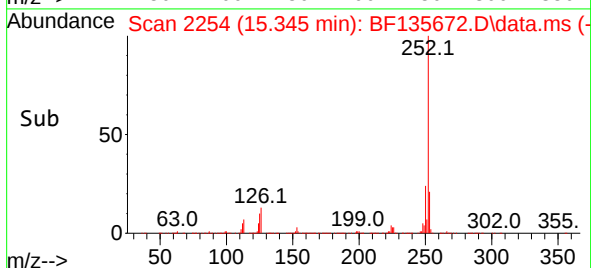
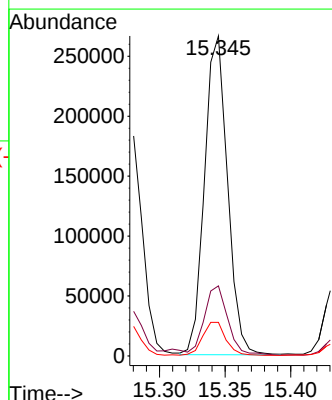
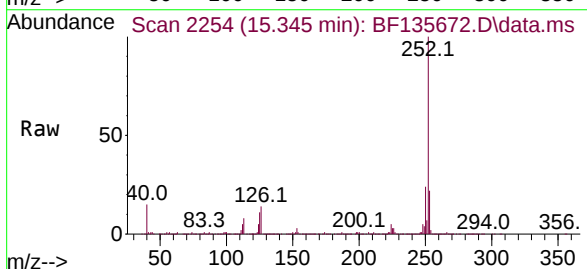
Tgt Ion:252 Resp: 325093

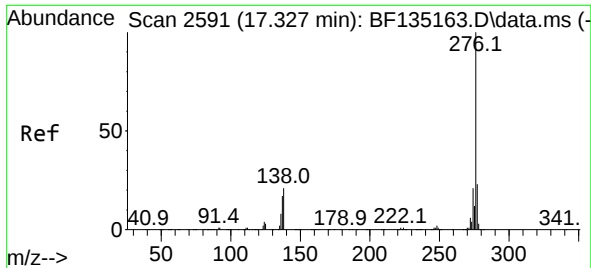
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

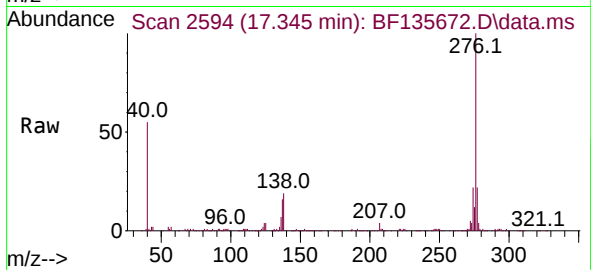
125 10.5 9.2 13.8





#92
Benzo(g,h,i)perylene
Concen: 13.864 ng
RT: 17.345 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF135672.D
Acq: 10 Oct 2023 02:17

Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:276 Resp: 147975
Ion Ratio Lower Upper
276 100
277 22.3 18.8 28.2
138 18.7 16.9 25.3

