

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135673.D
 Acq On : 10 Oct 2023 02:48
 Operator : CG\JU
 Sample : 04609-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Oct 10 04:24:18 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)

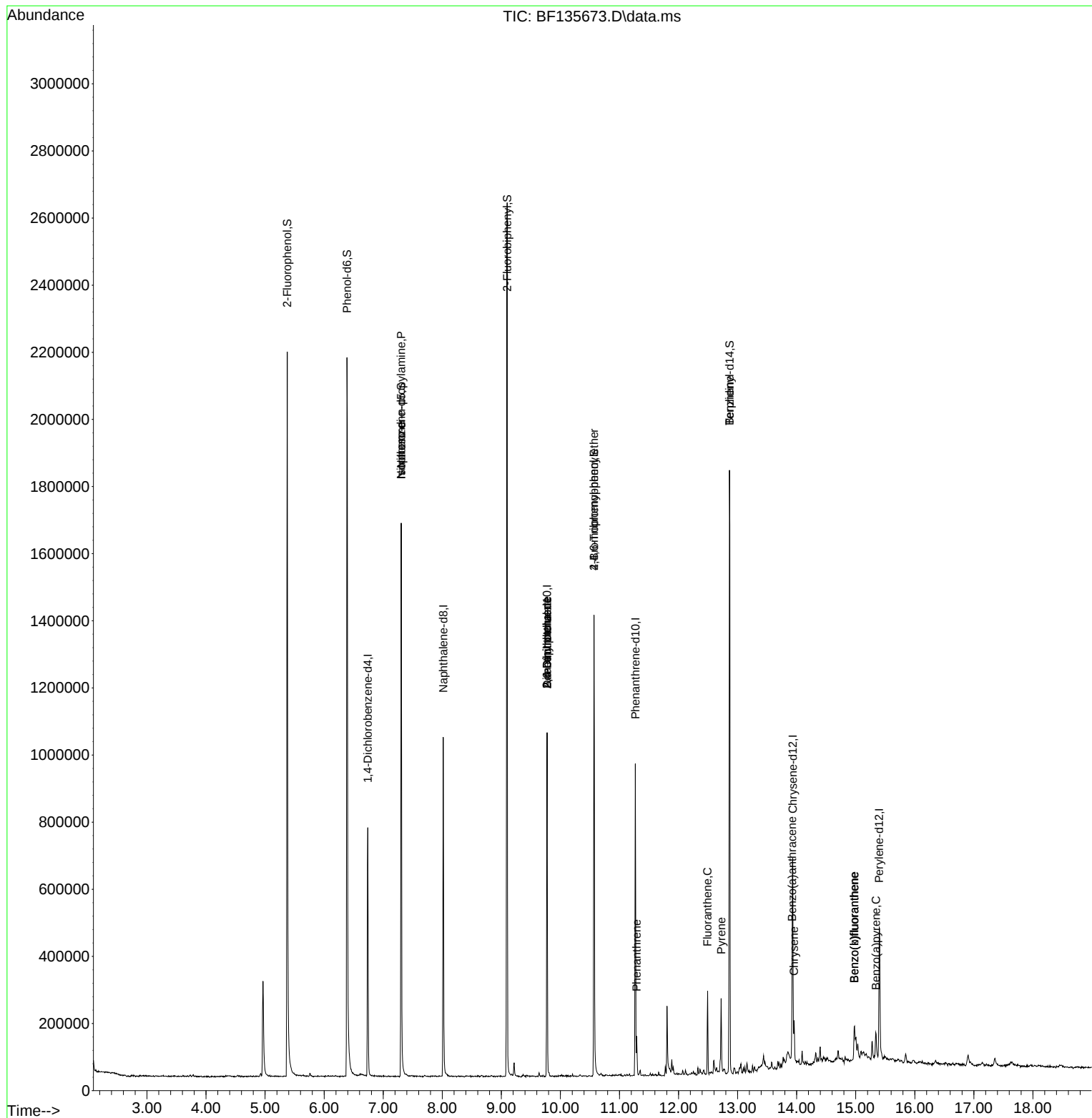
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	112100	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	419596	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	197828	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	317833	20.000	ng	0.00
76) Chrysene-d12	13.933	240	208544	20.000	ng	0.00
86) Perylene-d12	15.398	264	194319	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	595175	86.353	ng	0.00
7) Phenol-d6	6.387	99	781968	89.225	ng	0.00
23) Nitrobenzene-d5	7.304	82	479659	62.106	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	161181	81.987	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	850539	64.866	ng	0.00
79) Terphenyl-d14	12.863	244	662819	49.270	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	63064	11.617	ng	# 82
25) Isophorone	7.304	82	479653	33.822	ng	# 65
50) Dimethylphthalate	9.775	163	38881	2.907	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	25229	8.610	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	25229	6.878	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	10035	3.175	ng	# 1
71) Phenanthrene	11.292	178	39551	2.631	ng	98
75) Fluoranthene	12.492	202	92106	5.880	ng	98
77) Benzidine	12.863	184	8561	2.004	ng	# 93
78) Pyrene	12.722	202	88775	4.471	ng	97
81) Benzo(a)anthracene	13.922	228	44150	3.279	ng	97
83) Chrysene	13.957	228	43264	3.231	ng	98
88) Benzo(b)fluoranthene	14.974	252	69501	6.607	ng	# 97
89) Benzo(k)fluoranthene	14.974	252	69501	6.689	ng	# 96
90) Benzo(a)pyrene	15.345	252	34232	3.412	ng	99

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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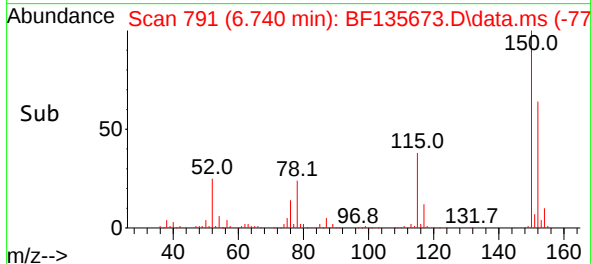
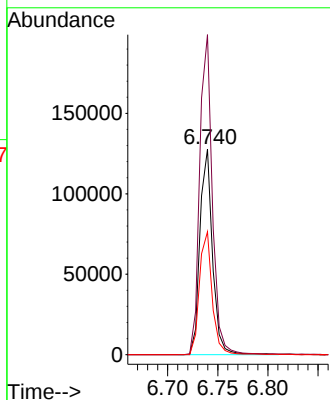
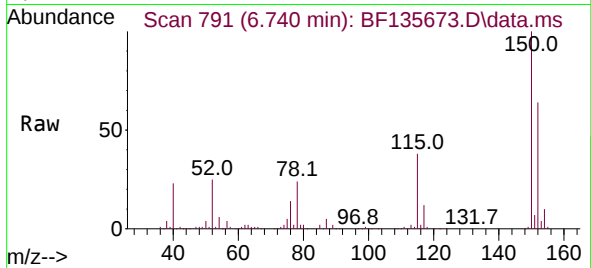




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

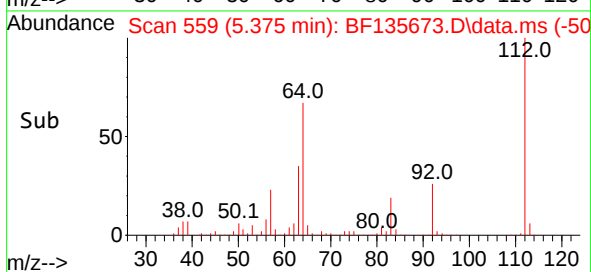
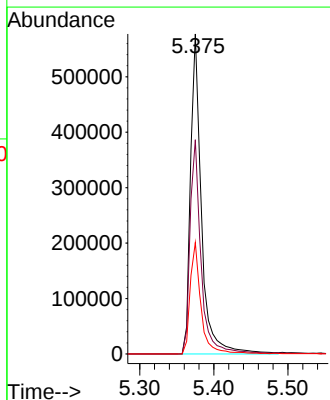
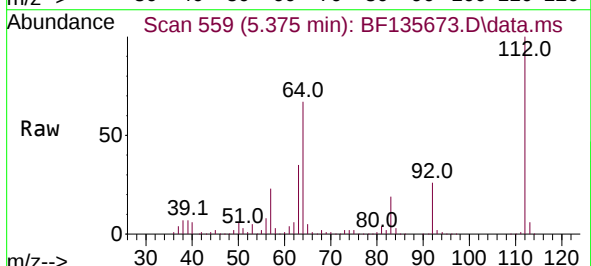
Instrument :
BNA_F
ClientSampleId :
TP-1

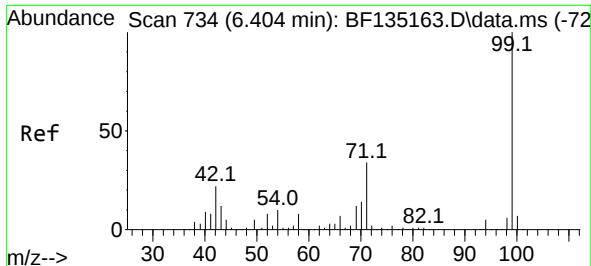
Tgt Ion:152 Resp: 112100
Ion Ratio Lower Upper
152 100
150 155.7 127.8 191.6
115 59.8 49.8 74.8



#5
2-Fluorophenol
Concen: 86.353 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Tgt Ion:112 Resp: 595175
Ion Ratio Lower Upper
112 100
64 66.9 55.9 83.9
63 34.8 29.0 43.6

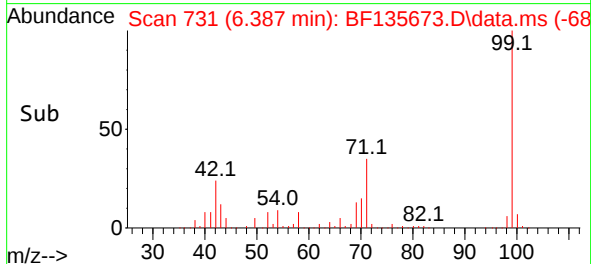
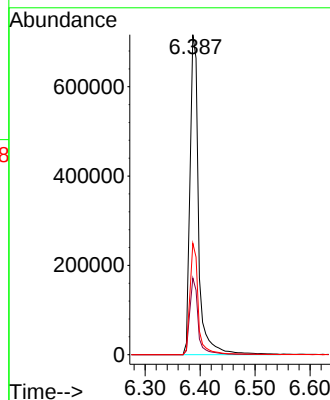
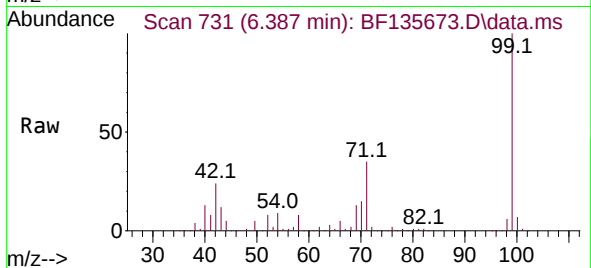




#7
Phenol-d6
Concen: 89.225 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

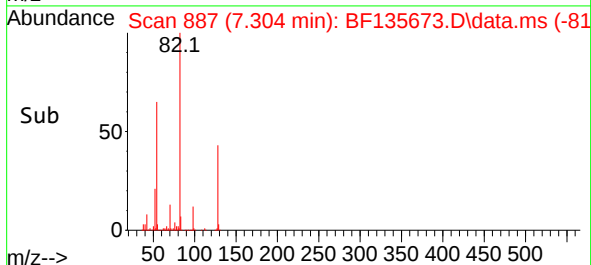
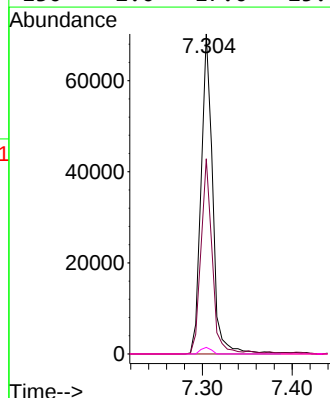
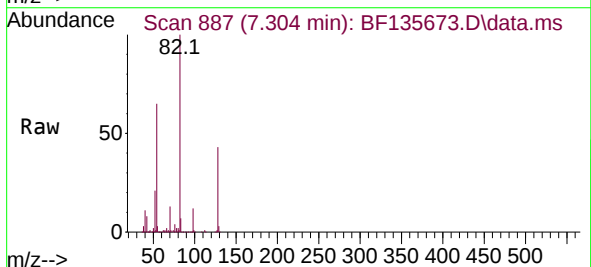
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 781968
Ion Ratio Lower Upper
99 100
42 23.9 17.9 26.9
71 34.8 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.617 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Tgt Ion: 70 Resp: 63064
Ion Ratio Lower Upper
70 100
42 61.0 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

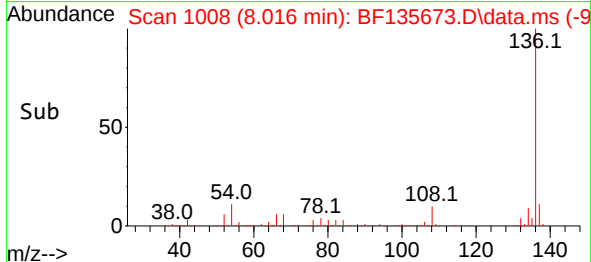
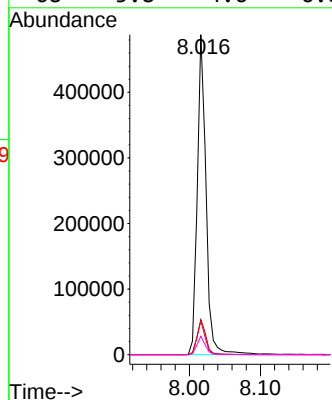
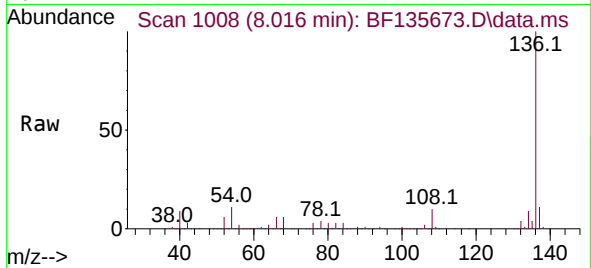




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

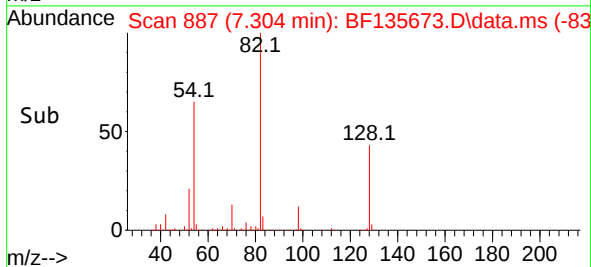
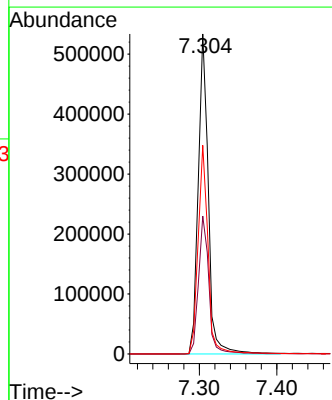
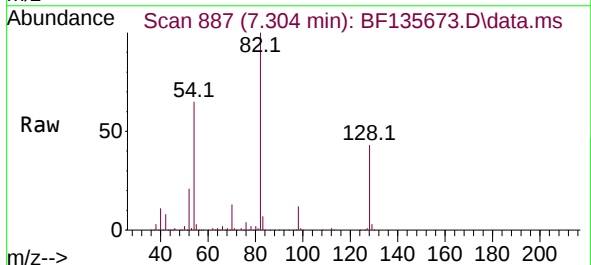
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 419596
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.6 7.7 11.5
68 5.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 62.106 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Tgt Ion: 82 Resp: 479659
Ion Ratio Lower Upper
82 100
128 43.1 35.8 53.6
54 65.2 50.6 76.0

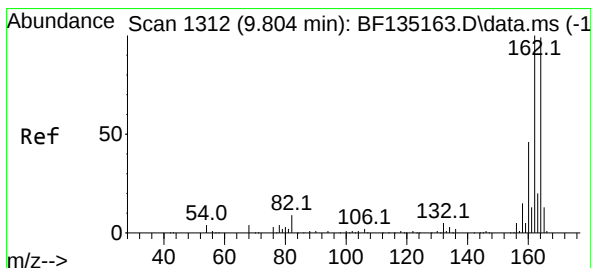
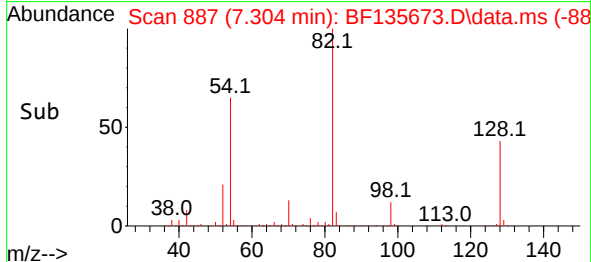
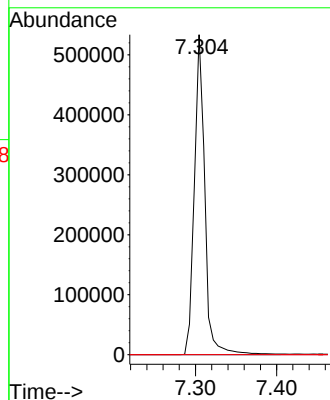
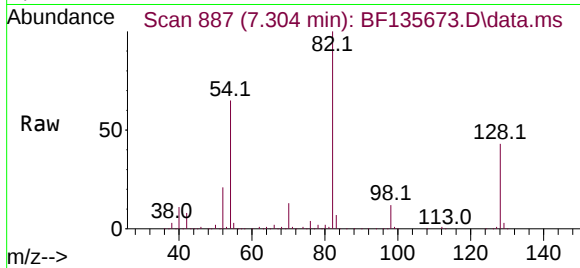




#25
Isophorone
Concen: 33.822 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

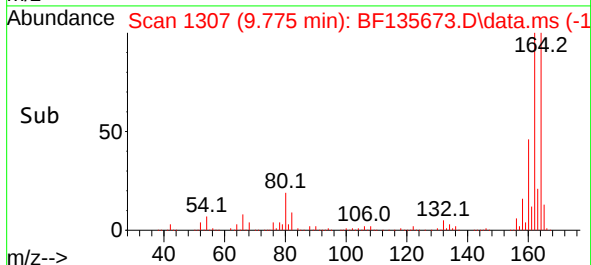
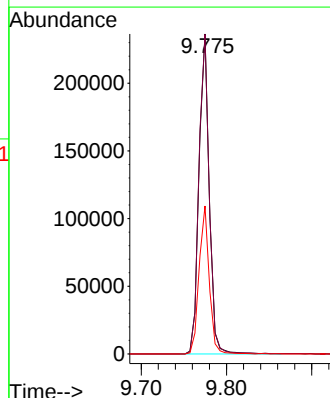
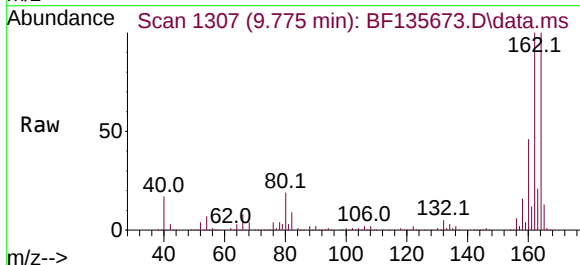
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BNA_F
ClientSampleId :
TP-1

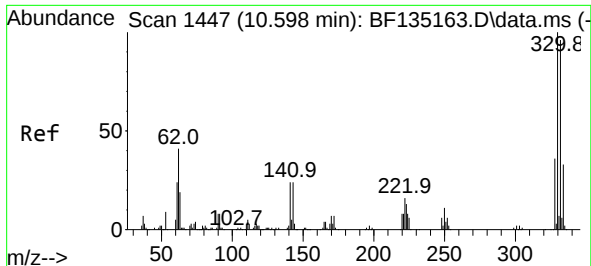
Tgt Ion: 82 Resp: 479653
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Tgt Ion:164 Resp: 197828
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 46.2 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 81.987 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

Instrument :

BNA_F

ClientSampleId :

TP-1

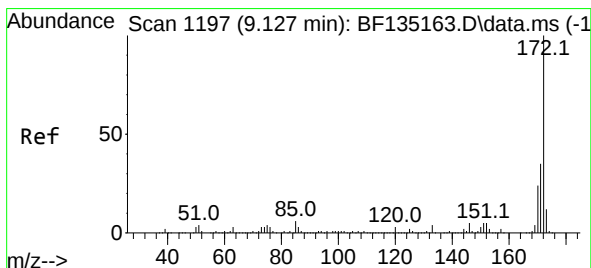
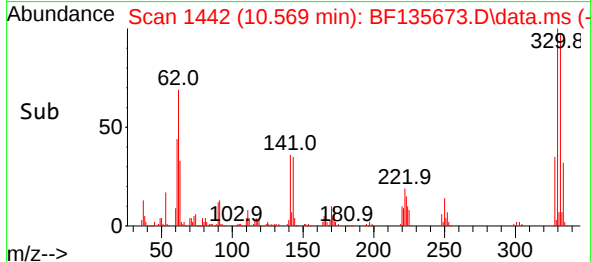
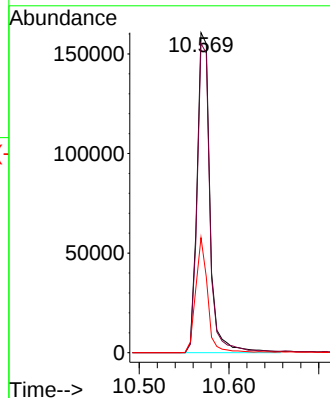
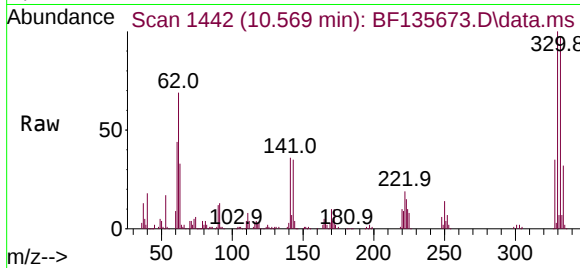
Tgt Ion:330 Resp: 161181

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

141 32.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 64.866 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

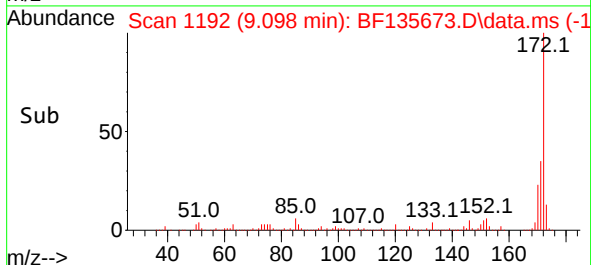
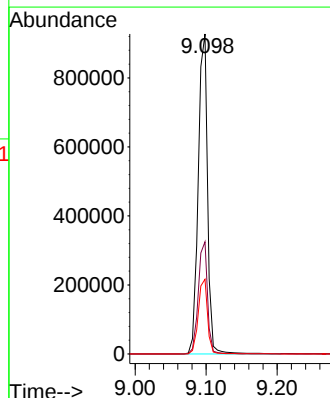
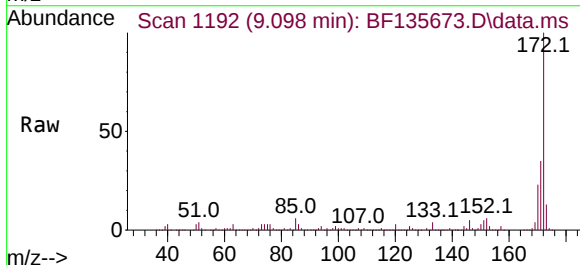
Tgt Ion:172 Resp: 850539

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.3 19.0 28.4

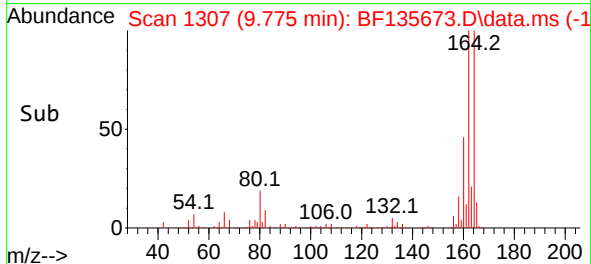
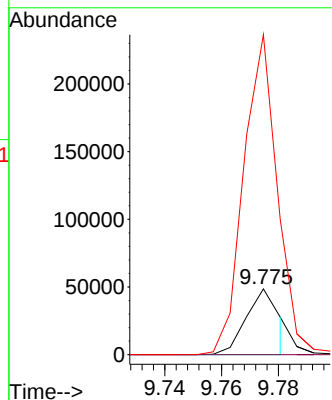
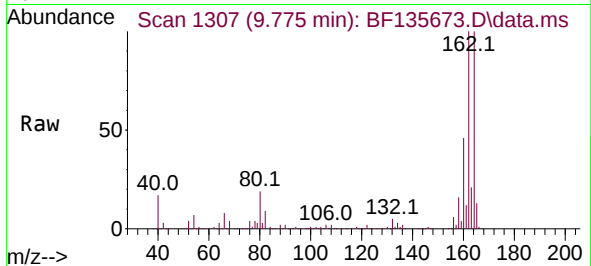




#50
Dimethylphthalate
Concen: 2.907 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

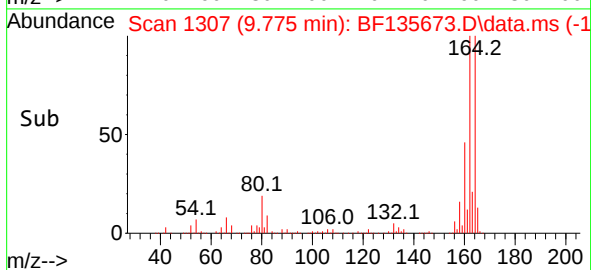
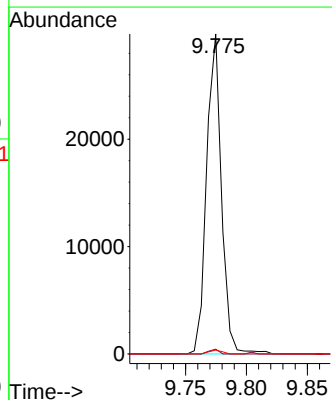
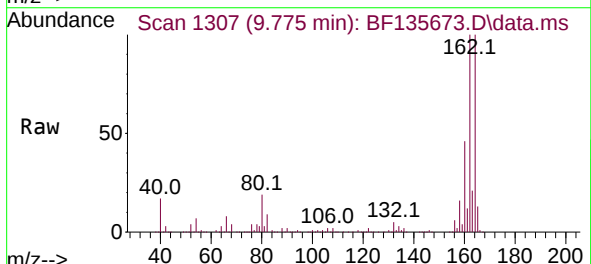
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:163 Resp: 38881
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 487.1 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.610 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Tgt Ion:165 Resp: 25229
Ion Ratio Lower Upper
165 100
63 1.5 59.4 89.2#
89 1.2 49.8 74.8#

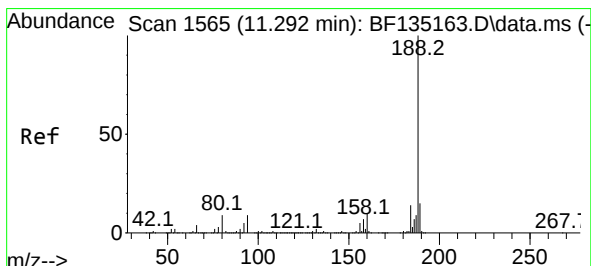
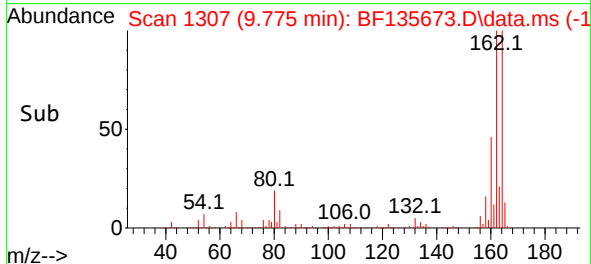
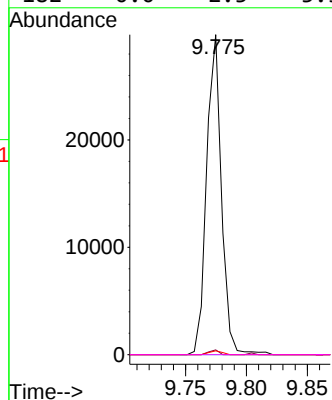
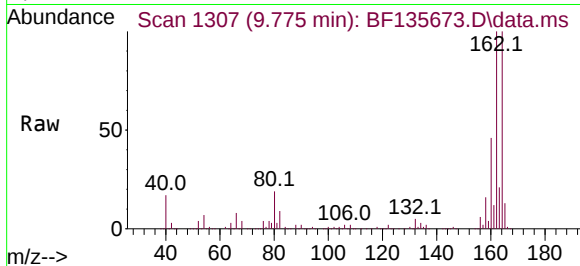




#57
2,4-Dinitrotoluene
Concen: 6.878 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

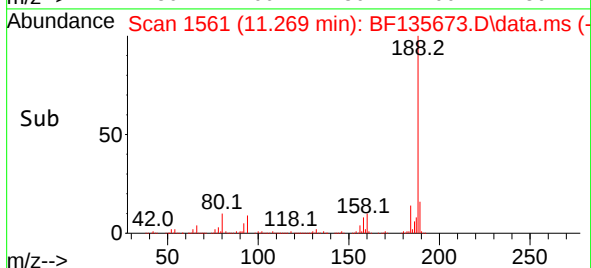
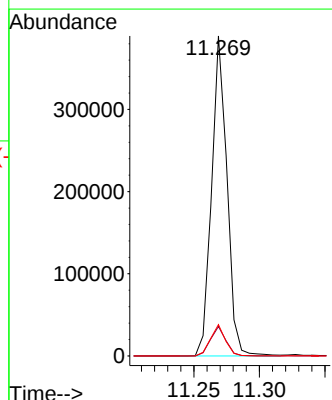
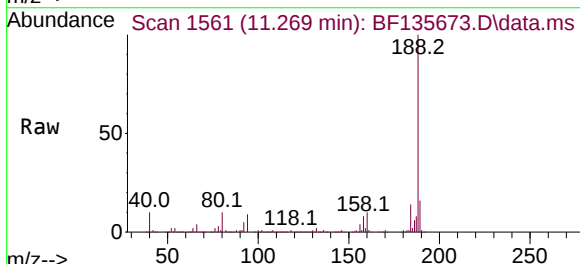
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ClientSampleId :
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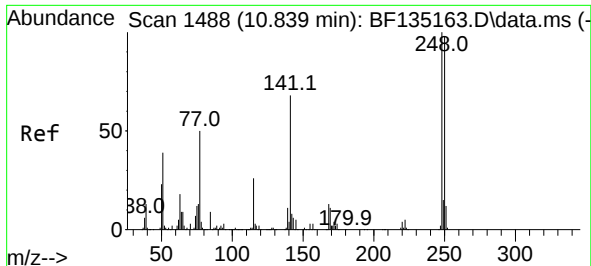
Tgt Ion:165 Resp: 25229
Ion Ratio Lower Upper
165 100
63 1.5 50.1 75.1#
89 1.2 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Tgt Ion:188 Resp: 317833
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.8 7.5 11.3

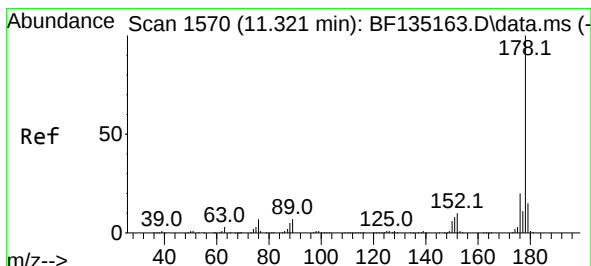
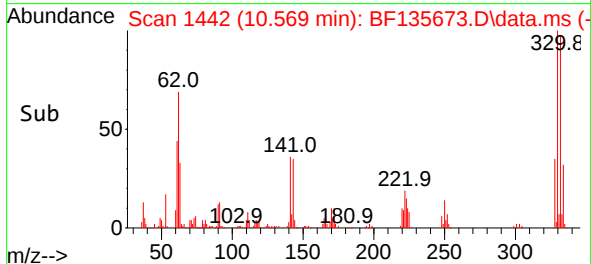
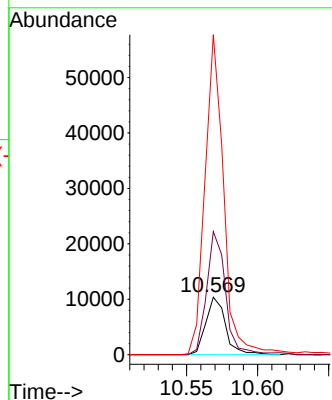
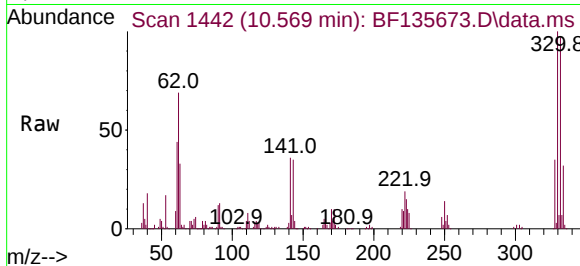




#67
4-Bromophenyl-phenylether
Concen: 3.175 ng
RT: 10.569 min Scan# 1488
Delta R.T. -0.241 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

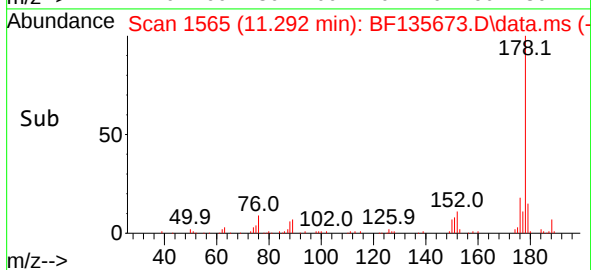
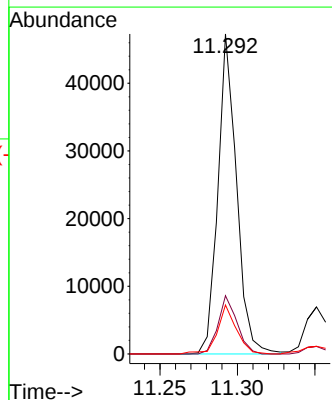
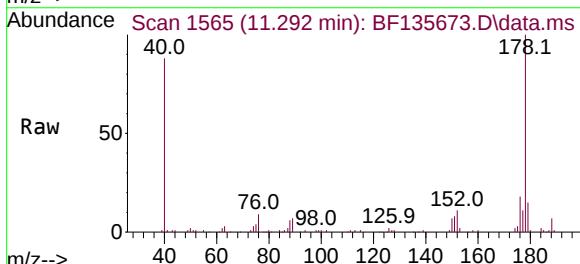
Instrument :
BNA_F
ClientSampleId :
TP-1

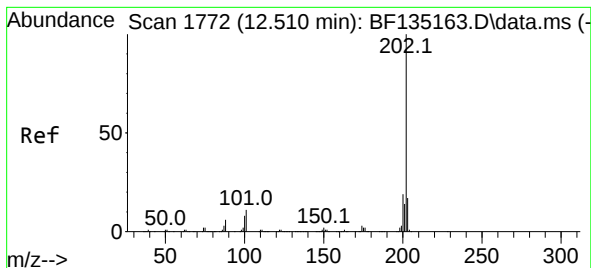
Tgt Ion:248 Resp: 10035
Ion Ratio Lower Upper
248 100
250 214.0 78.6 117.8#
141 556.7 54.2 81.2#



#71
Phenanthrene
Concen: 2.631 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Tgt Ion:178 Resp: 39551
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 15.3 12.0 18.0





#75

Fluoranthene

Concen: 5.880 ng

RT: 12.492 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

Instrument :

BNA_F

ClientSampleId :

TP-1

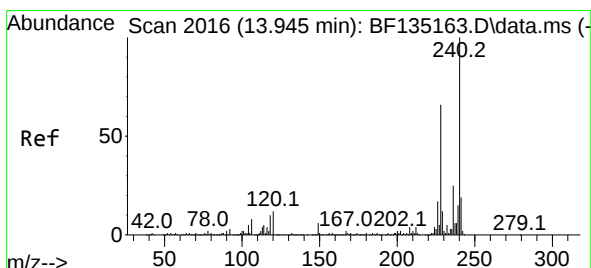
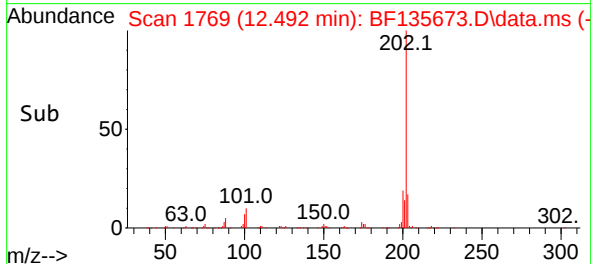
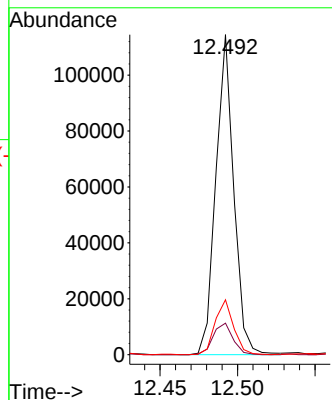
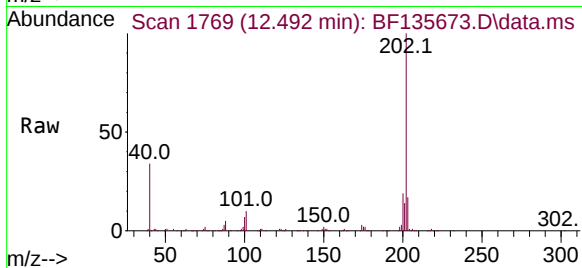
Tgt Ion:202 Resp: 92106

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.3

203 17.2 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

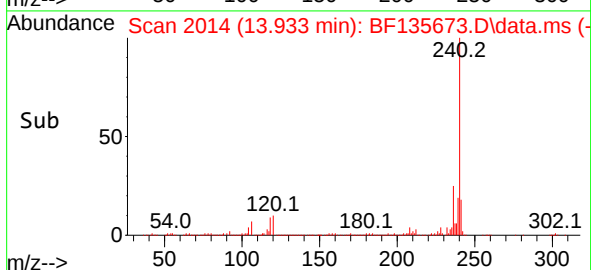
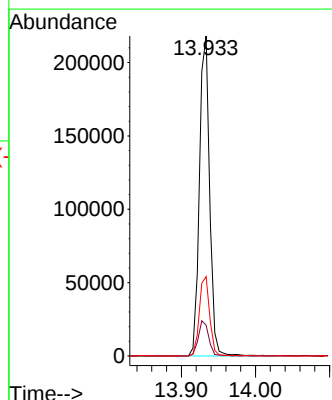
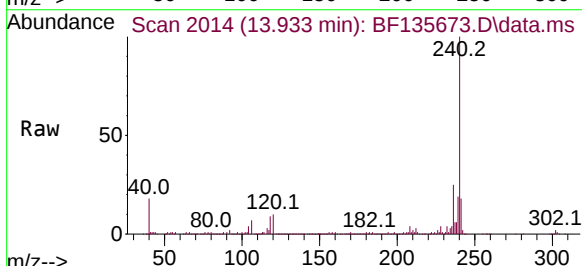
Tgt Ion:240 Resp: 208544

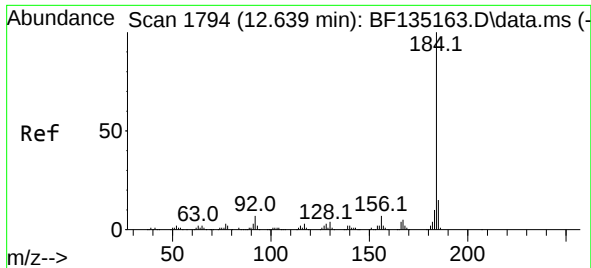
Ion Ratio Lower Upper

240 100

120 9.6 9.4 14.2

236 24.8 19.8 29.8

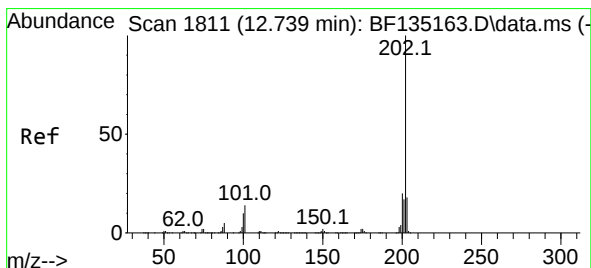
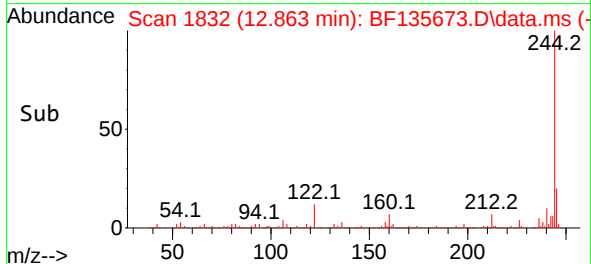
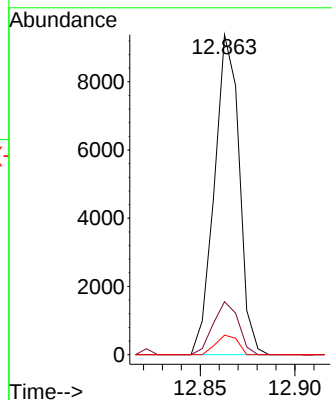
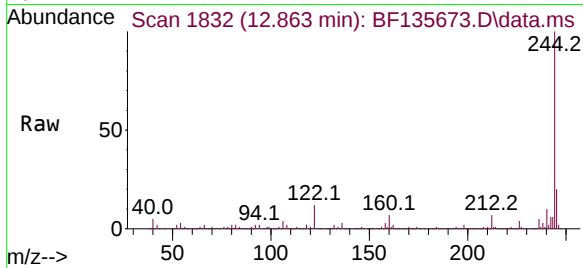




#77
Benzidine
Concen: 2.004 ng
RT: 12.863 min Scan# 1807
Delta R.T. 0.247 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

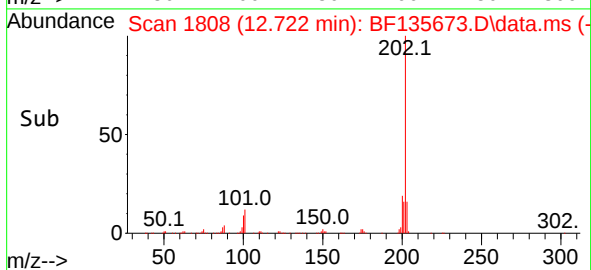
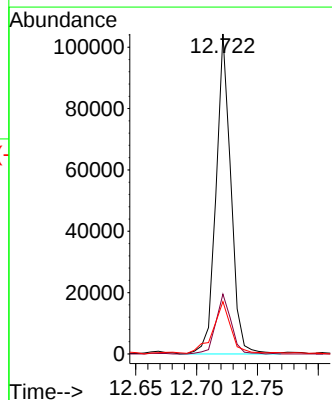
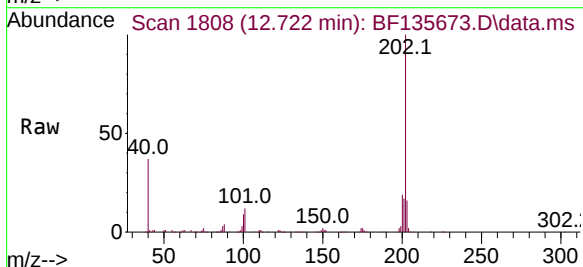
Instrument :
BNA_F
ClientSampleId :
TP-1

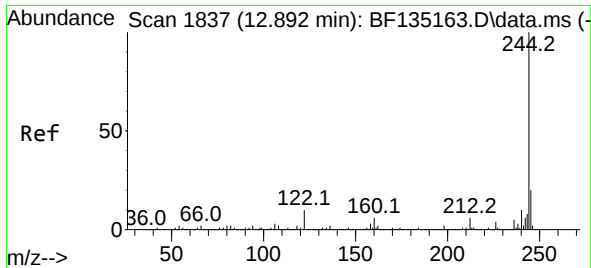
Tgt Ion:184 Resp: 8561
Ion Ratio Lower Upper
184 100
185 16.5 11.7 17.5
183 6.1 8.2 12.4#



#78
Pyrene
Concen: 4.471 ng
RT: 12.722 min Scan# 1808
Delta R.T. 0.006 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Tgt Ion:202 Resp: 88775
Ion Ratio Lower Upper
202 100
200 18.7 16.2 24.2
203 16.3 14.2 21.4

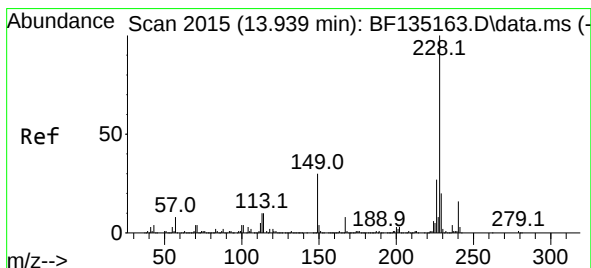
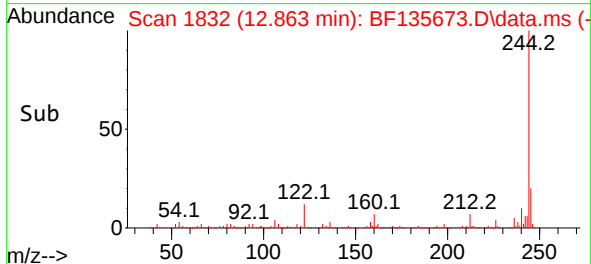
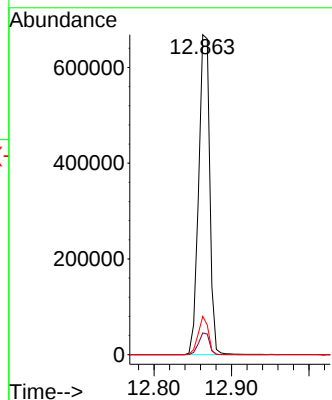
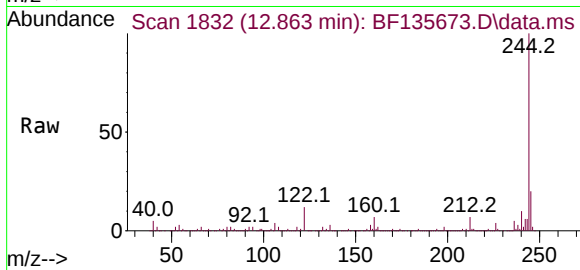




#79
 Terphenyl-d14
 Concen: 49.270 ng
 RT: 12.863 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF135673.D
 Acq: 10 Oct 2023 02:48

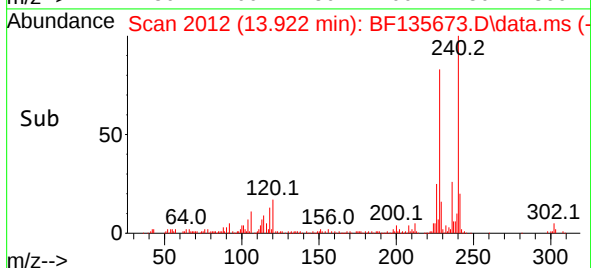
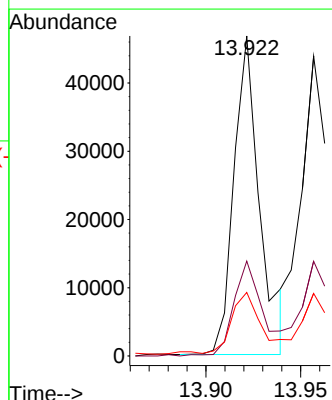
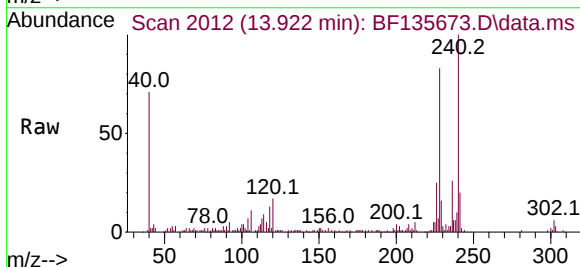
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

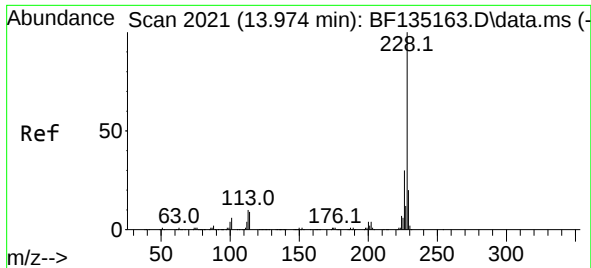
Tgt Ion:244 Resp: 662819
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 12.0 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 3.279 ng
 RT: 13.922 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: BF135673.D
 Acq: 10 Oct 2023 02:48

Tgt Ion:228 Resp: 44150
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.7 32.5
 229 19.9 15.8 23.8





#83

Chrysene

Concen: 3.231 ng

RT: 13.957 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

Instrument :

BNA_F

ClientSampleId :

TP-1

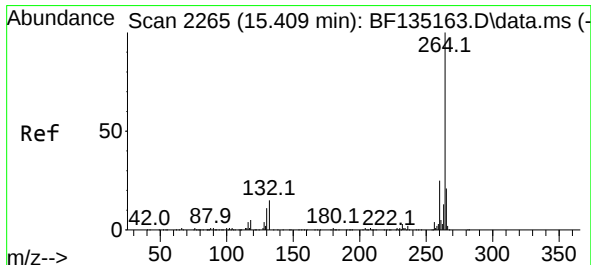
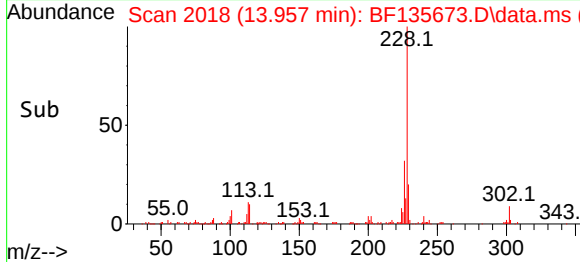
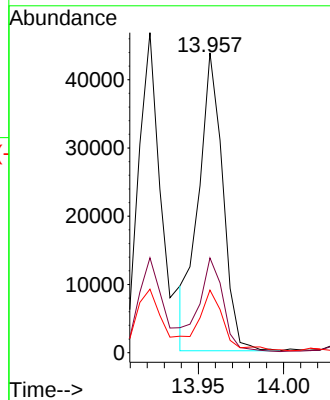
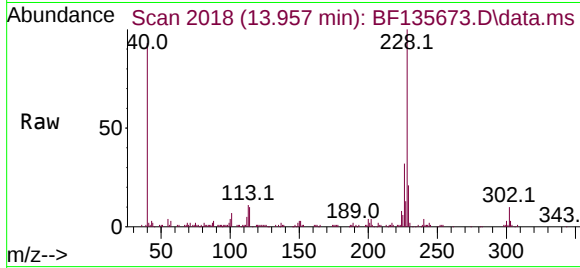
Tgt Ion:228 Resp: 43264

Ion Ratio Lower Upper

228 100

226 31.6 24.3 36.5

229 20.9 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.012 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

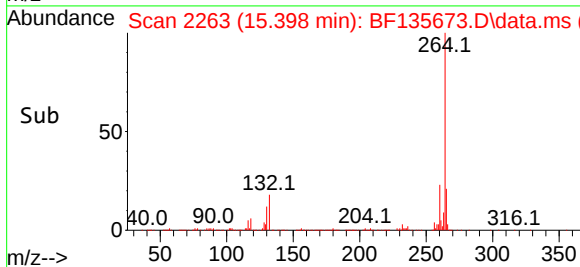
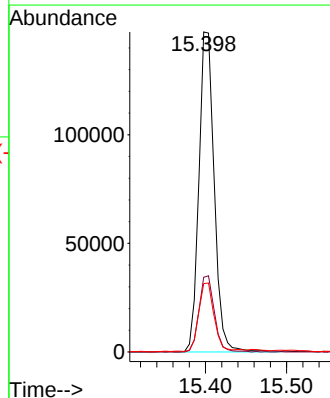
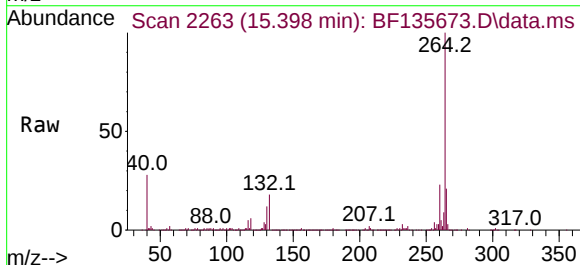
Tgt Ion:264 Resp: 194319

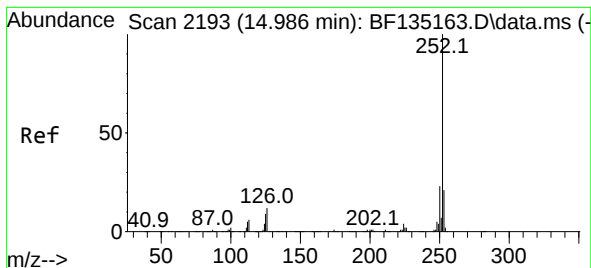
Ion Ratio Lower Upper

264 100

260 23.4 19.8 29.6

265 21.4 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 6.607 ng

RT: 14.974 min Scan# 2191

Delta R.T. 0.012 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

Instrument :

BNA_F

ClientSampleId :

TP-1

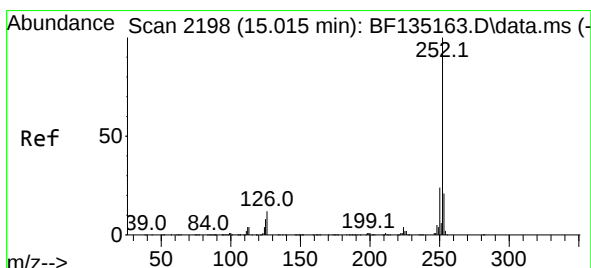
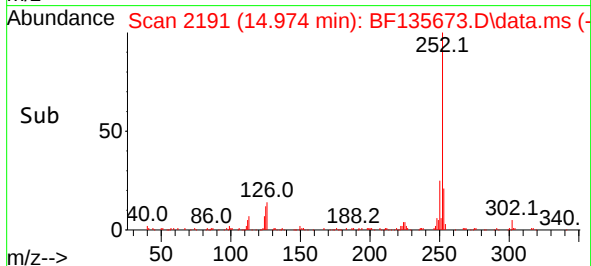
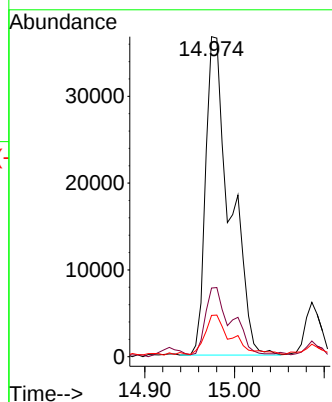
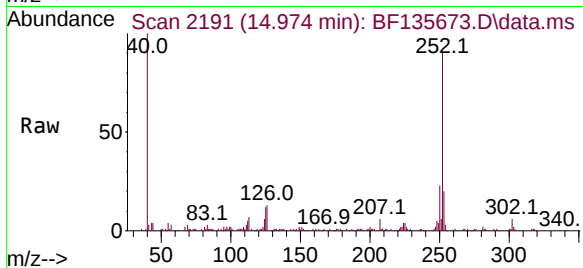
Tgt Ion:252 Resp: 69501

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 12.9 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 6.689 ng

RT: 14.974 min Scan# 2191

Delta R.T. -0.017 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

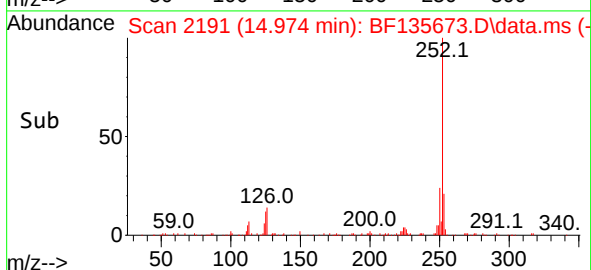
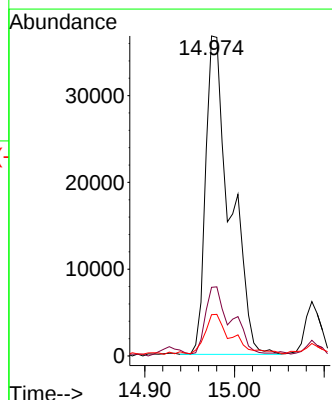
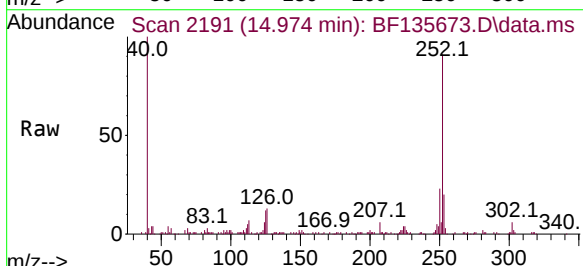
Tgt Ion:252 Resp: 69501

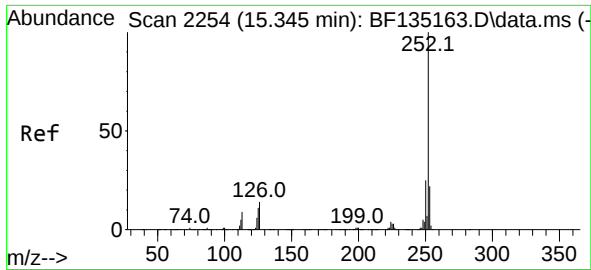
Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

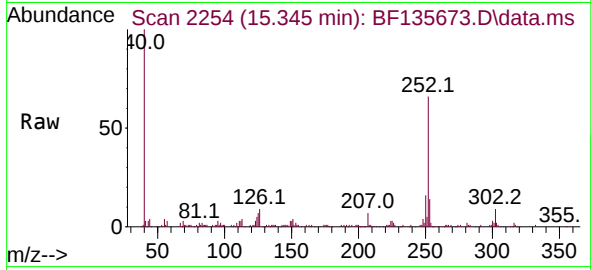
125 12.9 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 3.412 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:252 Resp: 34232

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	10.8	9.2	13.8

