

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134961.D
 Acq On : 28 Aug 2023 11:12
 Operator : CG\JU
 Sample : 04110-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(2-3)

Quant Time: Aug 29 03:47:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

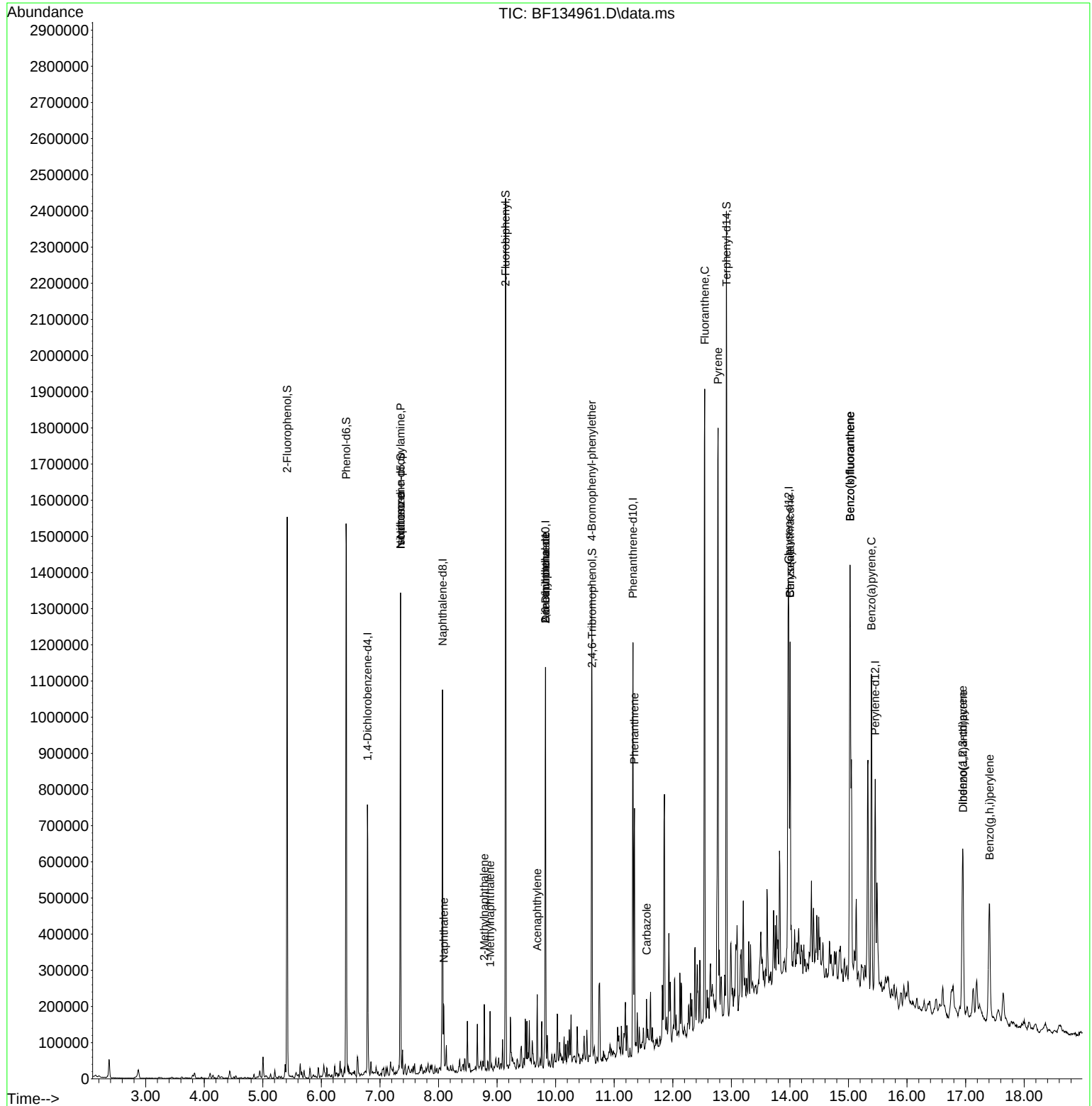
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	104981	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	407240	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	205816	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	398528	20.000	ng	0.00
76) Chrysene-d12	13.980	240	245579	20.000	ng	0.00
86) Perylene-d12	15.457	264	265624	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	387832	58.911	ng	0.00
7) Phenol-d6	6.422	99	520880	61.919	ng	-0.02
23) Nitrobenzene-d5	7.351	82	362721	49.080	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	139652	57.612	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	665782	50.007	ng	-0.01
79) Terphenyl-d14	12.916	244	751271	42.076	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	48809	9.934	ng	# 77
25) Isophorone	7.351	82	360935	26.154	ng	# 64
31) Naphthalene	8.092	128	74037	3.641	ng	99
37) 2-Methylnaphthalene	8.781	142	43815	3.231	ng	97
38) 1-Methylnaphthalene	8.880	142	36121	2.849	ng	94
49) Acenaphthylene	9.686	152	61496	3.291	ng	97
50) Dimethylphthalate	9.827	163	42925	2.930	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	29212	9.041	ng	# 28
67) 4-Bromophenyl-phenylether	10.616	248	9538	2.074	ng	# 1
71) Phenanthrene	11.345	178	246291	11.794	ng	99
73) Carbazole	11.551	167	44846	2.543	ng	99
75) Fluoranthene	12.545	202	707910	35.776	ng	99
78) Pyrene	12.774	202	708942	27.227	ng	99
81) Benzo(a)anthracene	14.004	228	373407	22.286	ng	94
83) Chrysene	14.004	228	373407	22.587	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	325780	17.158	ng	95
88) Benzo(b)fluoranthene	15.027	252	824710	55.031	ng	99
89) Benzo(k)fluoranthene	15.027	252	824710	56.041	ng	98
90) Benzo(a)pyrene	15.392	252	407654	27.248	ng	97
91) Dibenzo(a,h)anthracene	16.956	278	76897	5.006	ng	# 82
92) Benzo(g,h,i)perylene	17.409	276	279142	17.750	ng	98

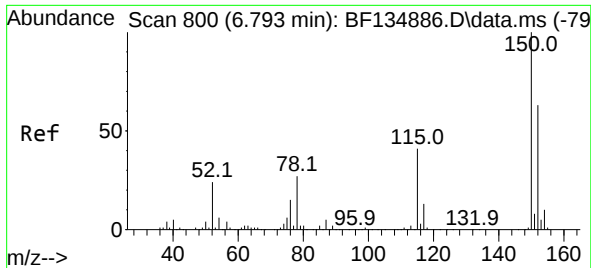
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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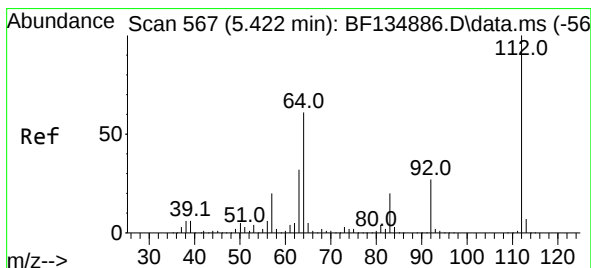
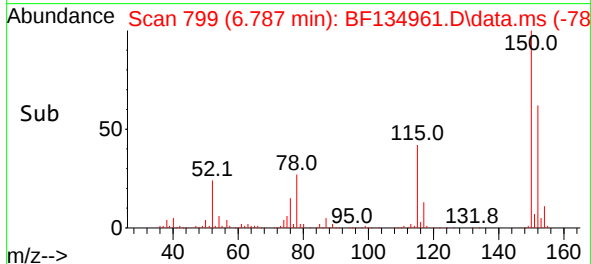
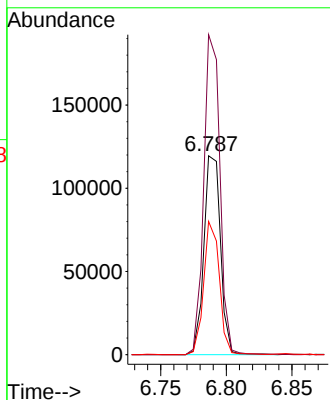
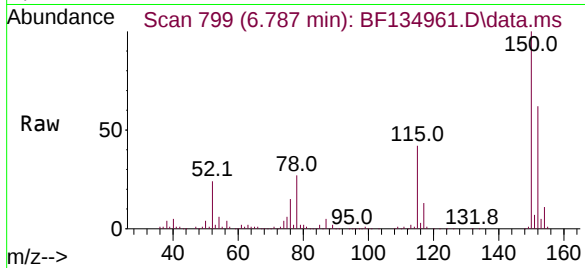




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

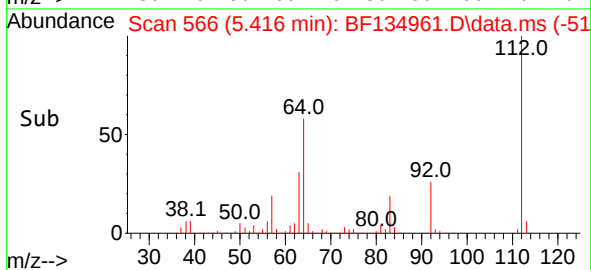
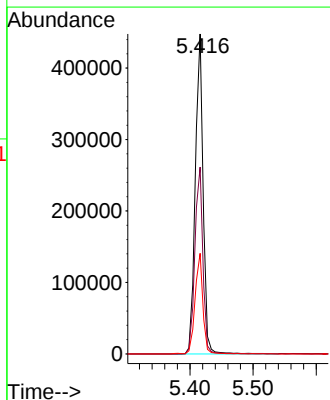
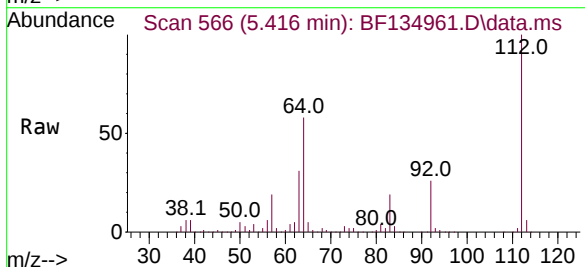
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

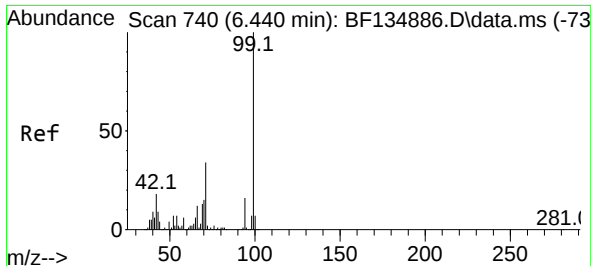
Tgt Ion:152 Resp: 104981
Ion Ratio Lower Upper
152 100
150 160.9 126.1 189.1
115 67.0 51.1 76.7



#5
2-Fluorophenol
Concen: 58.911 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

Tgt Ion:112 Resp: 387832
Ion Ratio Lower Upper
112 100
64 58.4 48.6 73.0
63 31.4 25.7 38.5

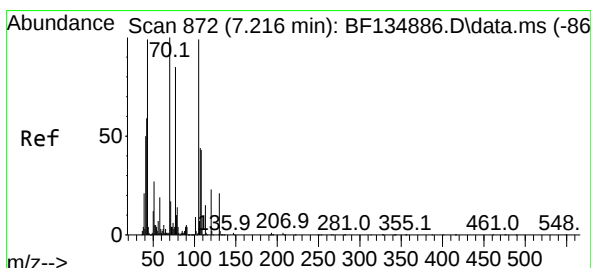
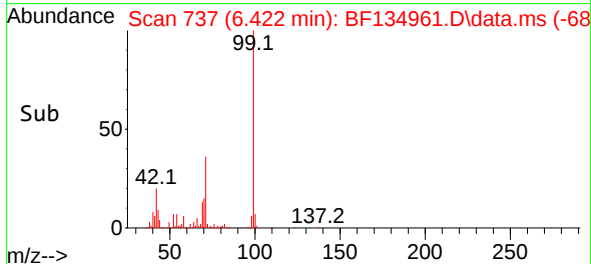
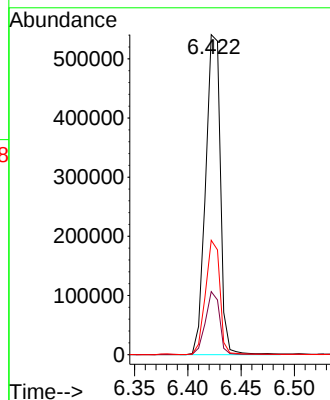
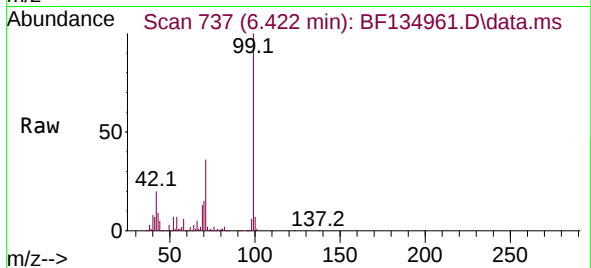




#7
Phenol-d6
Concen: 61.919 ng
RT: 6.422 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

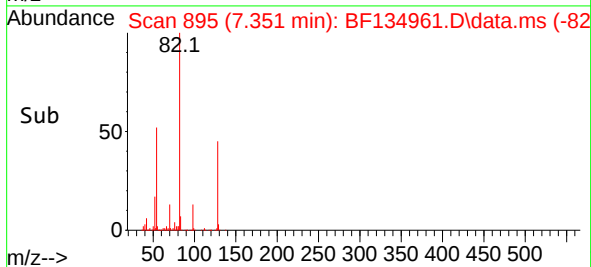
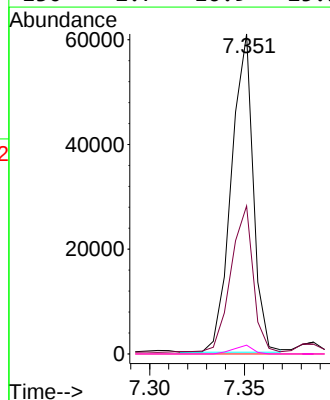
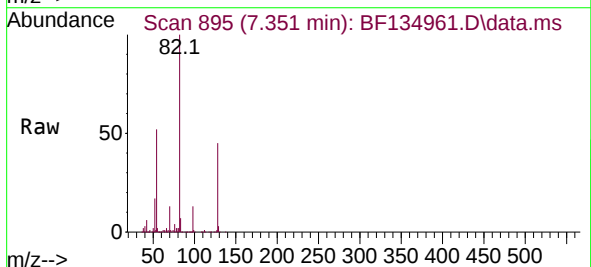
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

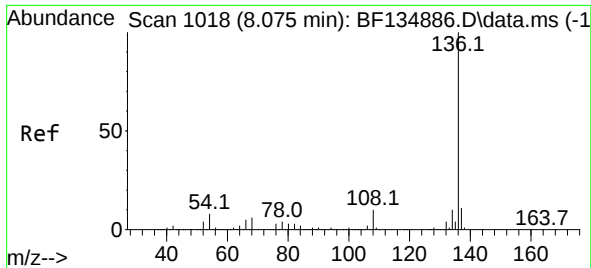
Tgt Ion: 99 Resp: 520880
Ion Ratio Lower Upper
99 100
42 19.7 14.6 22.0
71 35.7 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.934 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

Tgt Ion: 70 Resp: 48809
Ion Ratio Lower Upper
70 100
42 46.2 46.9 70.3#
101 0.0 7.5 11.3#
130 2.7 16.9 25.3#

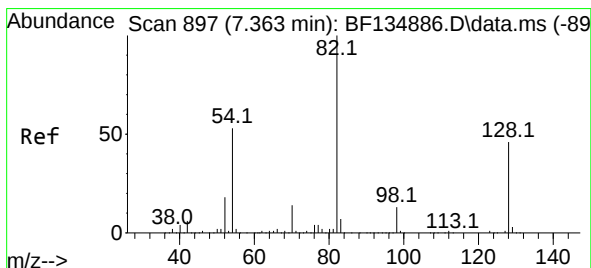
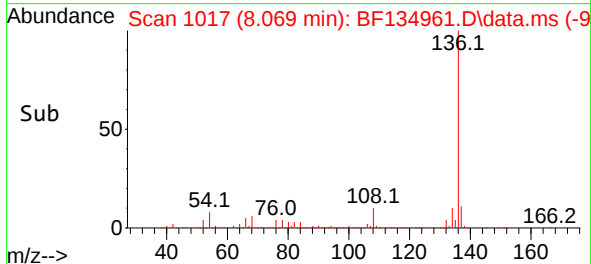
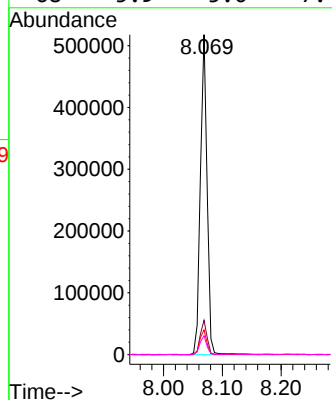
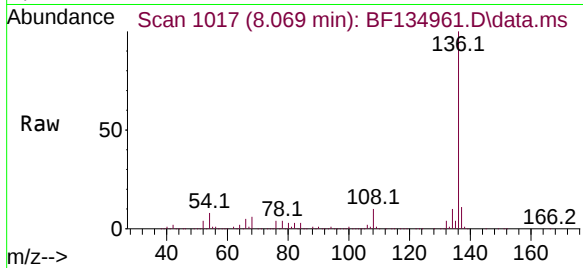




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

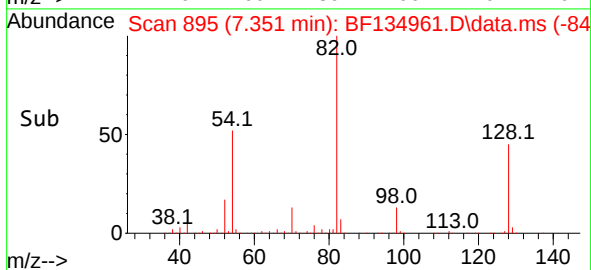
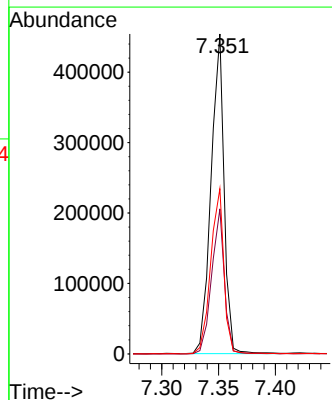
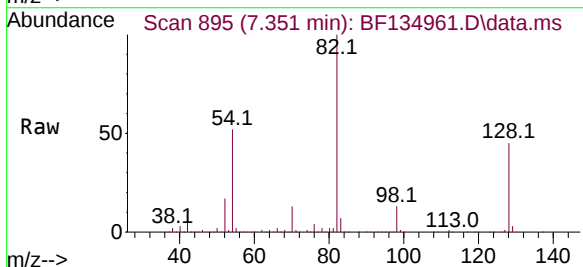
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

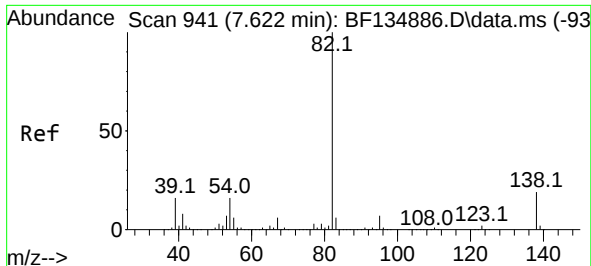
Tgt Ion:	136	Resp:	407240
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.8	6.6	9.8
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 49.080 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

Tgt Ion:	82	Resp:	362721
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.6	54.8
54	51.6	42.6	63.8

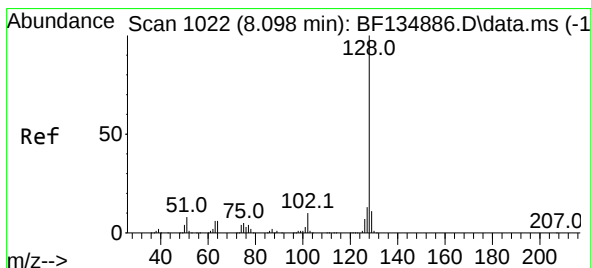
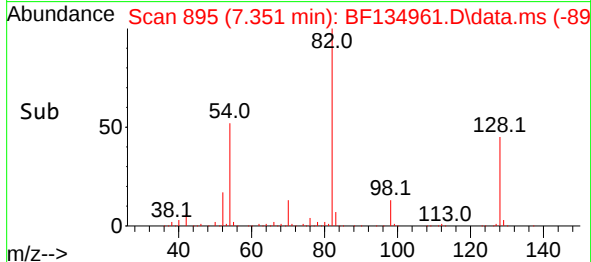
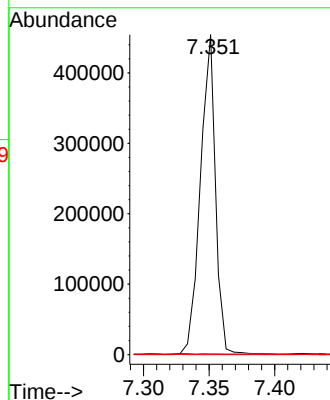
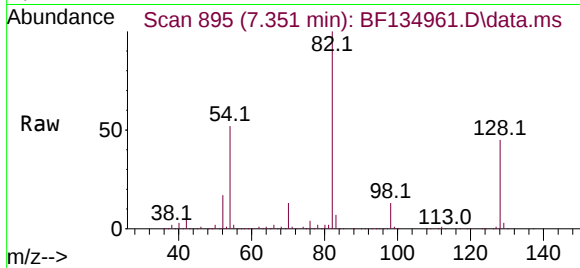




#25
Isophorone
Concen: 26.154 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

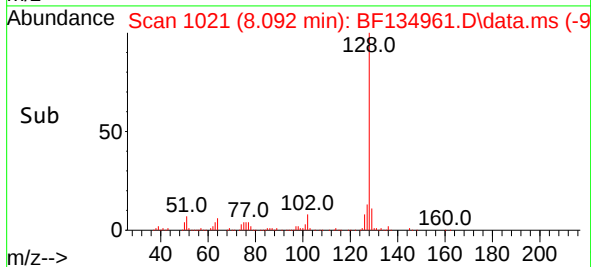
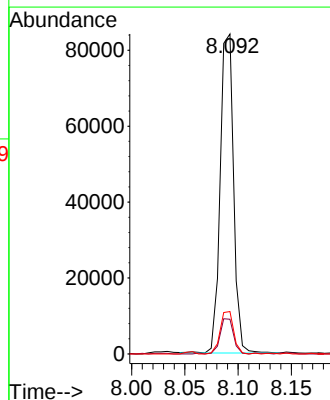
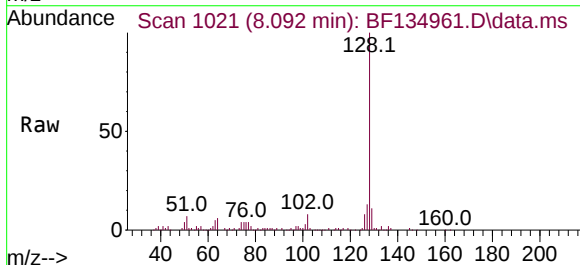
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

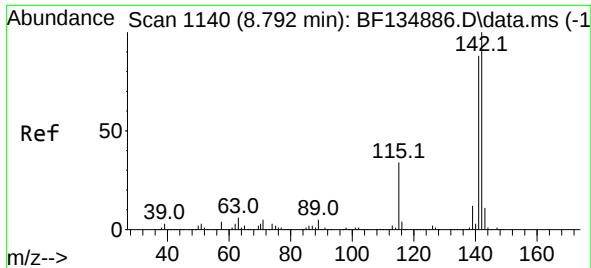
Tgt Ion: 82 Resp: 360935
Ion Ratio Lower Upper
82 100
95 0.2 5.9 8.9#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 3.641 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

Tgt Ion: 128 Resp: 74037
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 13.2 10.6 16.0





#37

2-Methylnaphthalene

Concen: 3.231 ng

RT: 8.781 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

Instrument :

BNA_F

ClientSampleId :

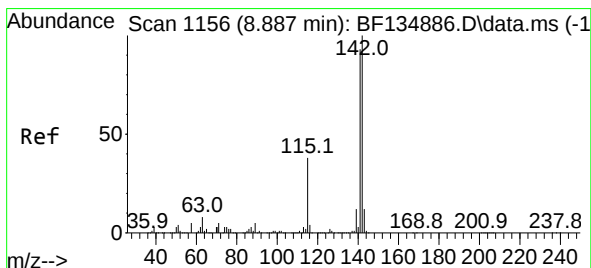
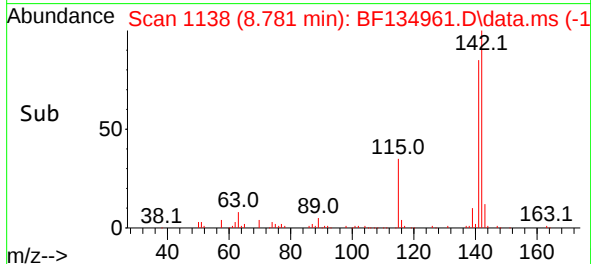
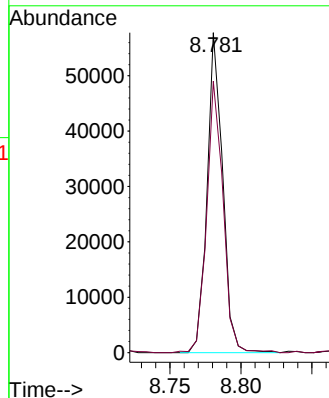
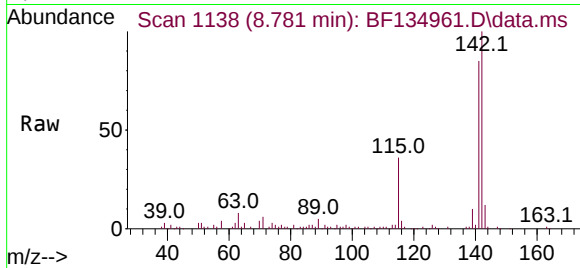
TP-15(2-3)

Tgt Ion:142 Resp: 43815

Ion Ratio Lower Upper

142 100

141 84.8 70.2 105.2



#38

1-Methylnaphthalene

Concen: 2.849 ng

RT: 8.880 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF134961.D

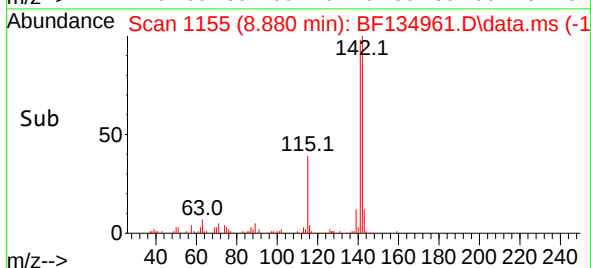
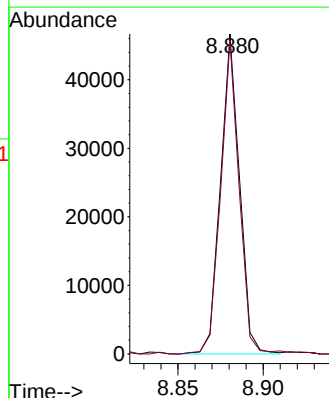
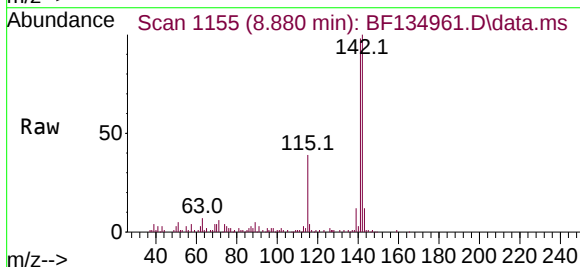
Acq: 28 Aug 2023 11:12

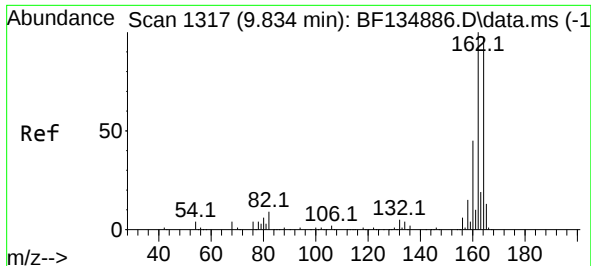
Tgt Ion:142 Resp: 36121

Ion Ratio Lower Upper

142 100

141 97.9 74.1 111.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

Instrument :

BNA_F

ClientSampleId :

TP-15(2-3)

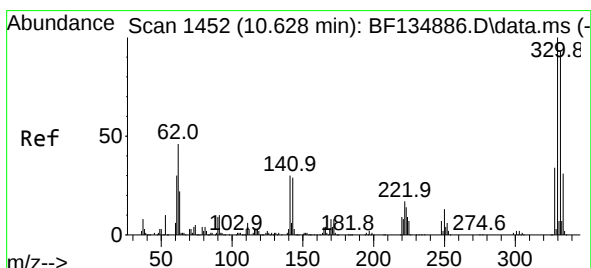
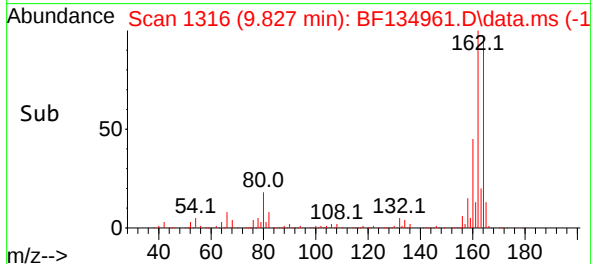
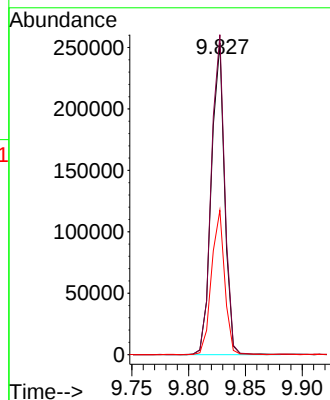
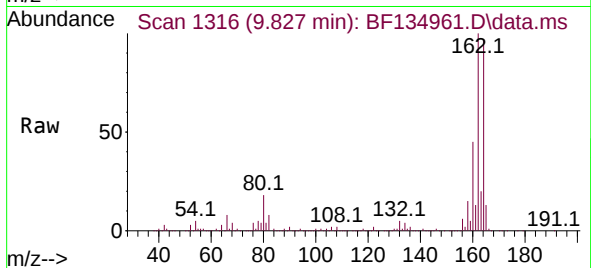
Tgt Ion:164 Resp: 205816

Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

160 46.3 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 57.612 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

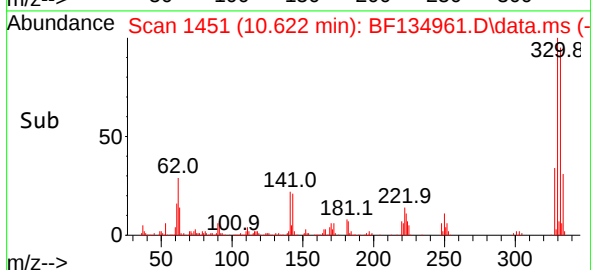
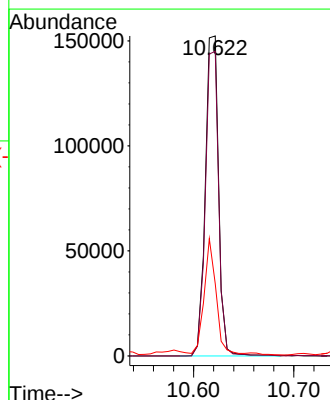
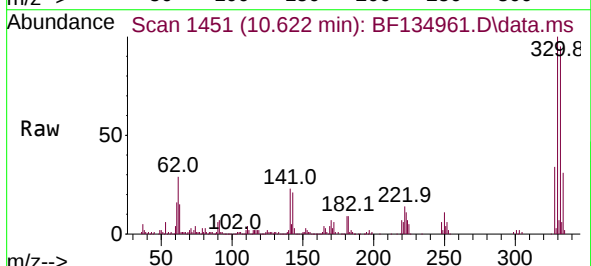
Tgt Ion:330 Resp: 139652

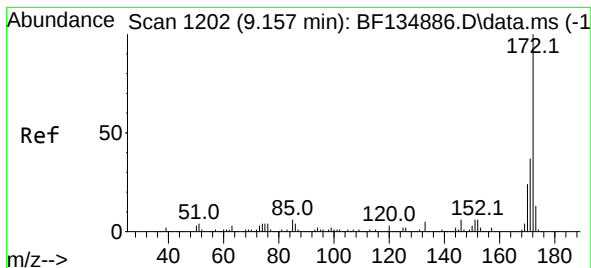
Ion Ratio Lower Upper

330 100

332 95.0 76.3 114.5

141 31.4 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 50.007 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

Instrument :

BNA_F

ClientSampleId :

TP-15(2-3)

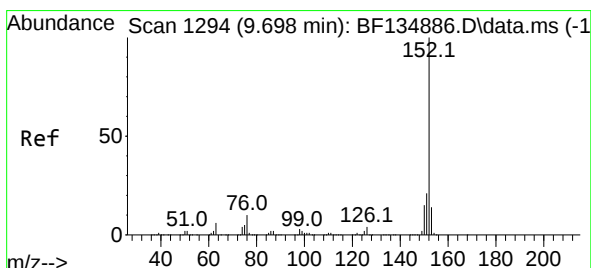
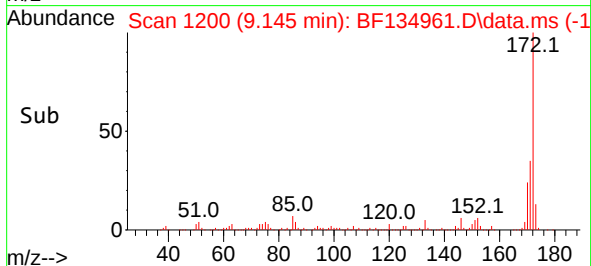
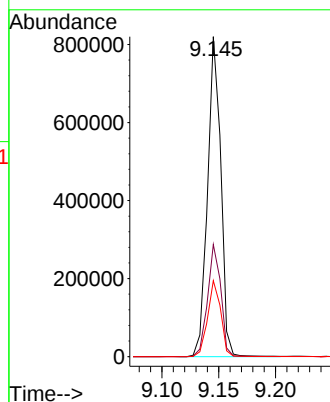
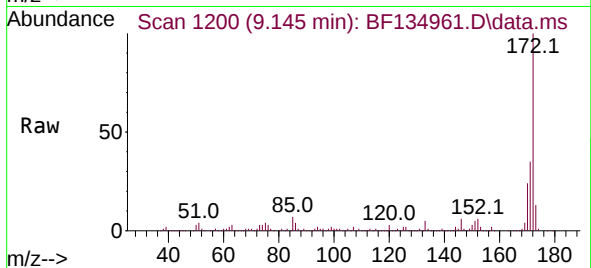
Tgt Ion:172 Resp: 665782

Ion Ratio Lower Upper

172 100

171 35.0 29.4 44.0

170 23.7 19.6 29.4



#49

Acenaphthylene

Concen: 3.291 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.012 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

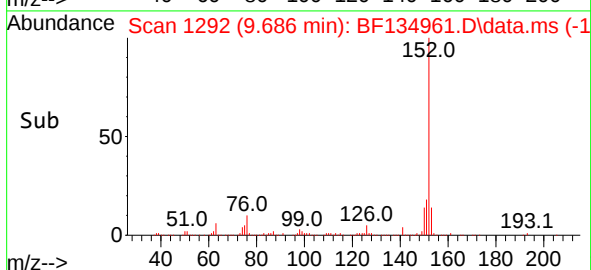
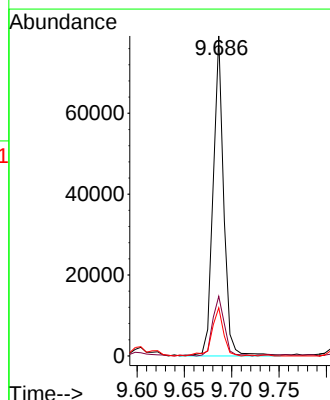
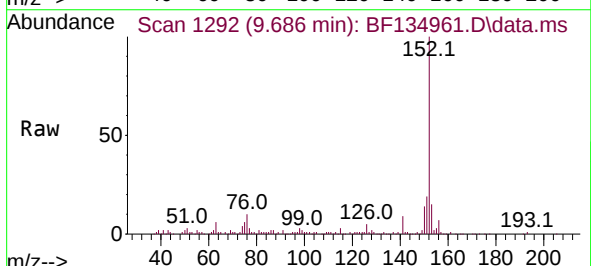
Tgt Ion:152 Resp: 61496

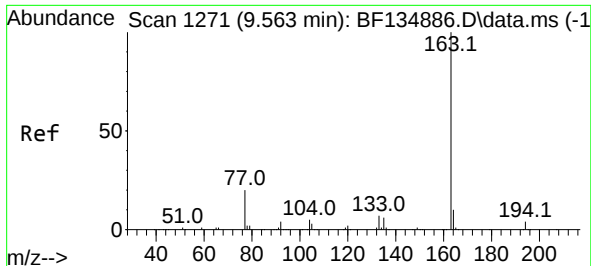
Ion Ratio Lower Upper

152 100

151 18.6 16.5 24.7

153 15.0 11.3 16.9

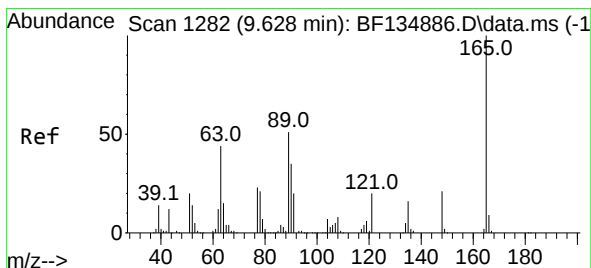
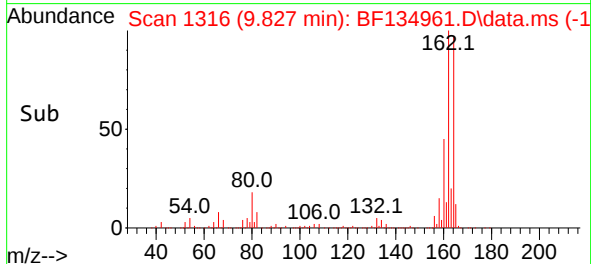
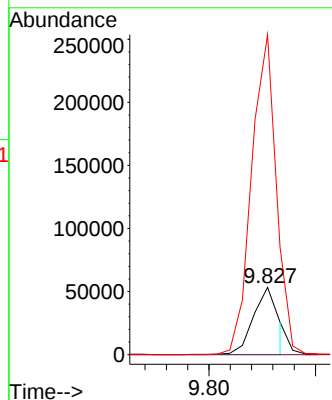
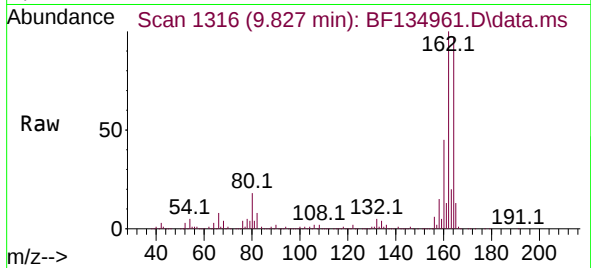




#50
Dimethylphthalate
Concen: 2.930 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

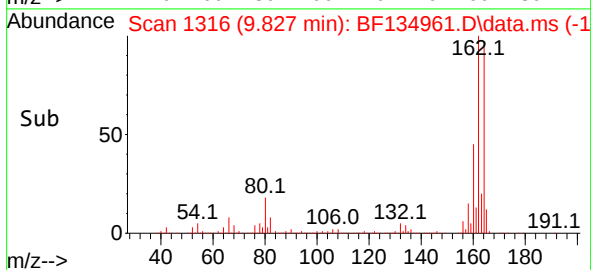
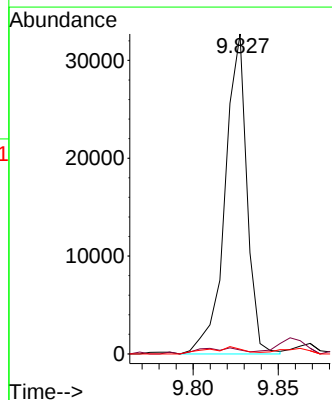
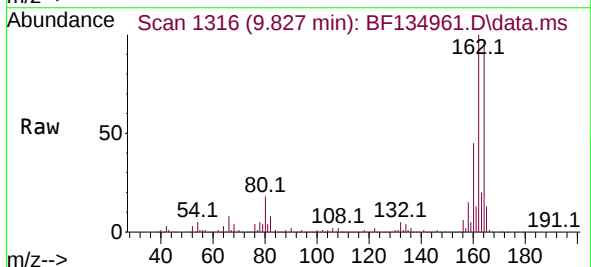
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

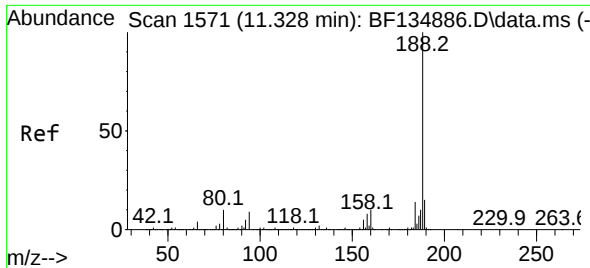
Tgt Ion:163 Resp: 42925
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 476.0 8.2 12.4#



#51
2,6-Dinitrotoluene
Concen: 9.041 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.199 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

Tgt Ion:165 Resp: 29212
Ion Ratio Lower Upper
165 100
63 1.2 41.4 62.2#
89 1.5 40.9 61.3#

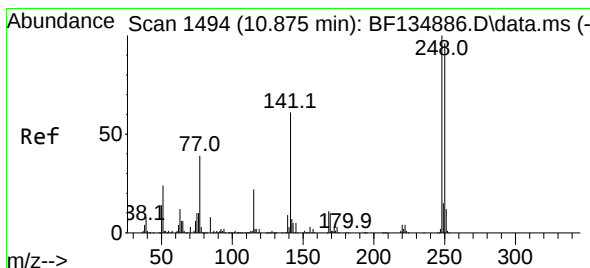
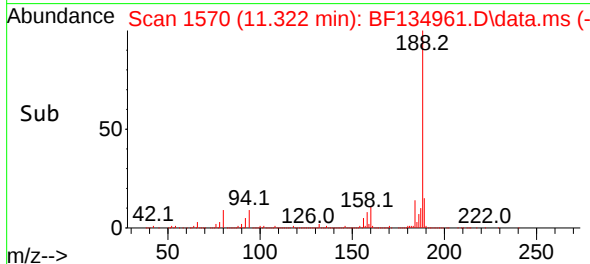
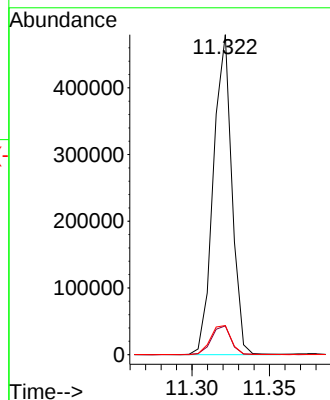
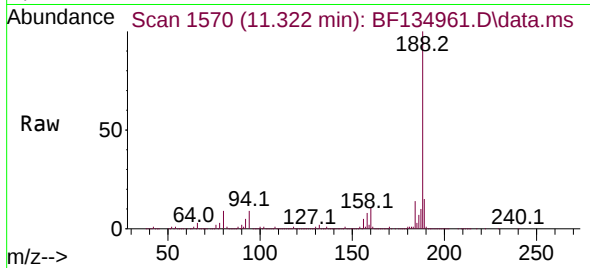




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

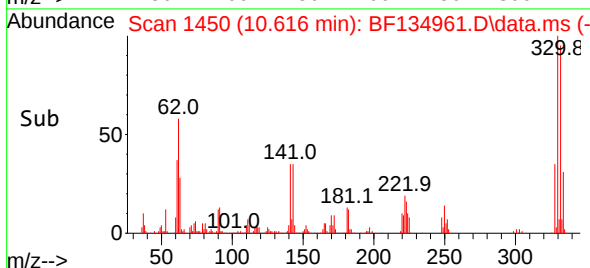
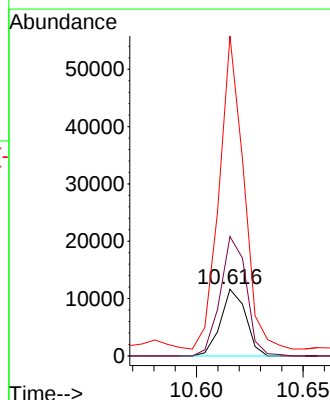
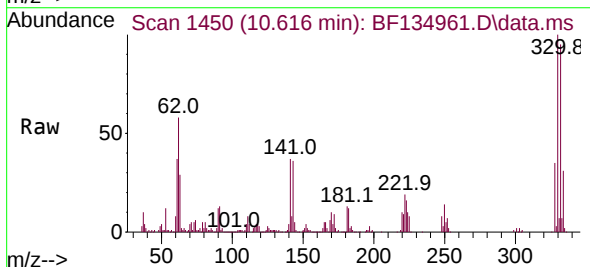
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

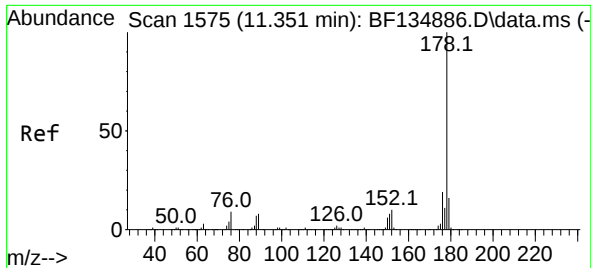
Tgt Ion:188 Resp: 398528
Ion Ratio Lower Upper
188 100
94 9.0 7.5 11.3
80 9.1 7.8 11.6



#67
4-Bromophenyl-phenylether
Concen: 2.074 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.259 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

Tgt Ion:248 Resp: 9538
Ion Ratio Lower Upper
248 100
250 179.0 77.1 115.7#
141 480.2 49.0 73.4#

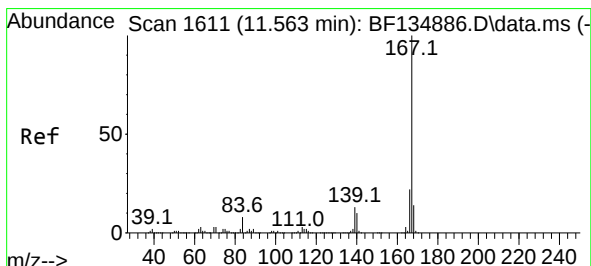
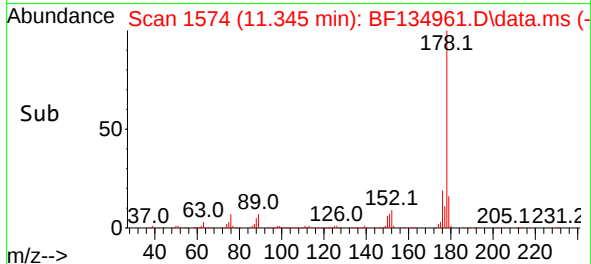
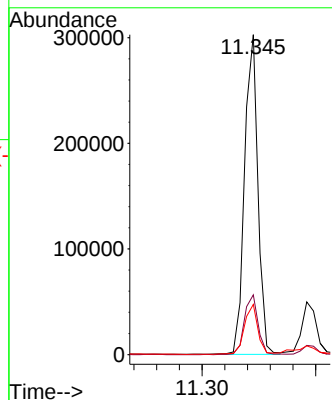
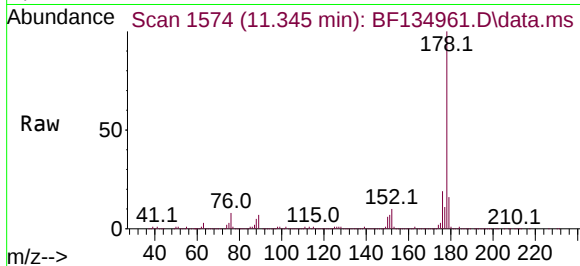




#71
Phenanthrene
Concen: 11.794 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

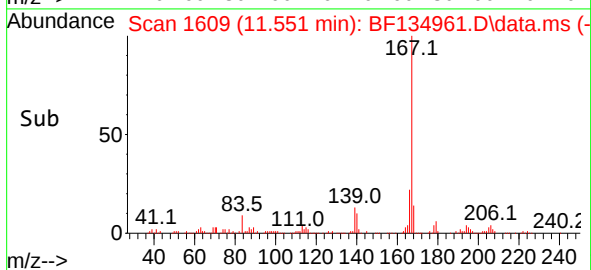
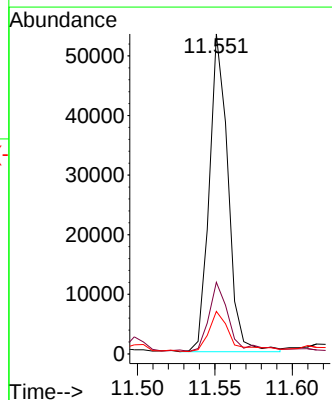
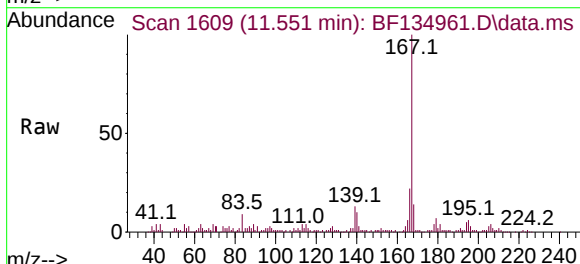
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

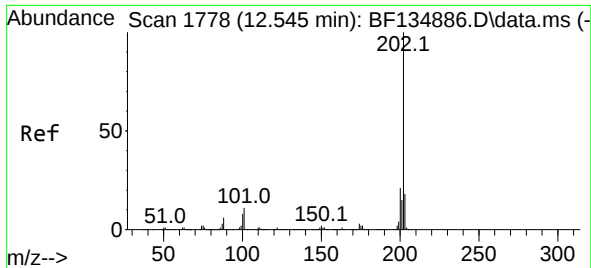
Tgt Ion:178 Resp: 246291
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.7 12.6 19.0



#73
Carbazole
Concen: 2.543 ng
RT: 11.551 min Scan# 1609
Delta R.T. -0.012 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

Tgt Ion:167 Resp: 44846
Ion Ratio Lower Upper
167 100
166 22.4 17.4 26.2
139 13.3 10.4 15.6

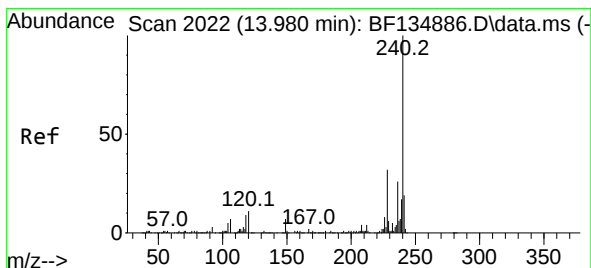
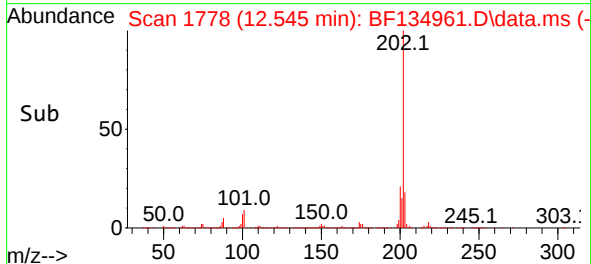
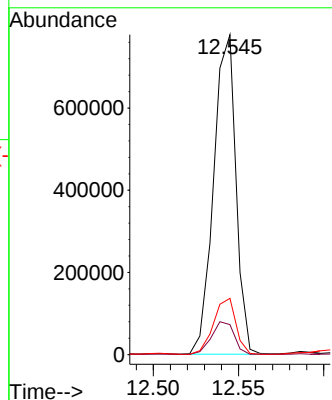
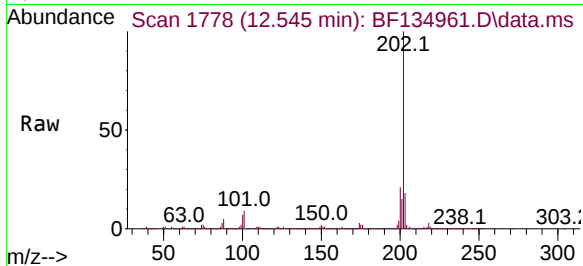




#75
Fluoranthene
Concen: 35.776 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

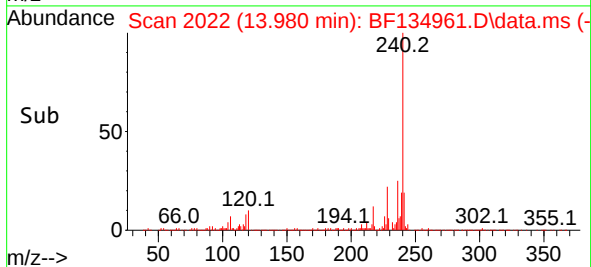
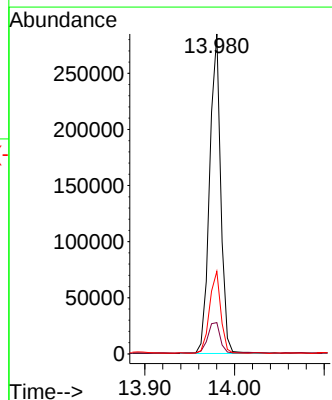
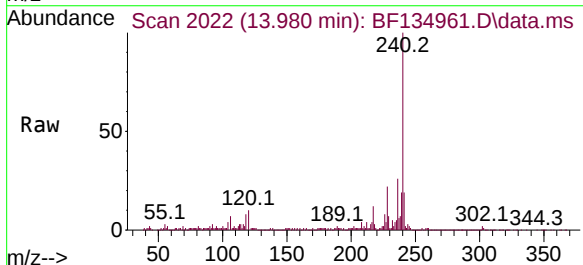
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

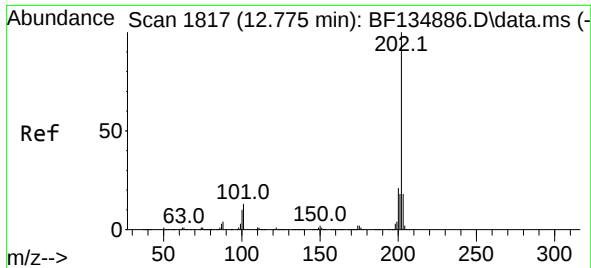
Tgt Ion:202 Resp: 707910
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.5
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

Tgt Ion:240 Resp: 245579
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 25.8 20.6 31.0

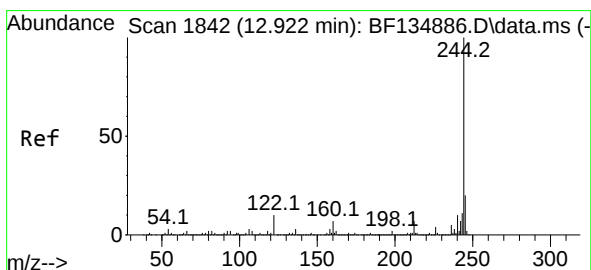
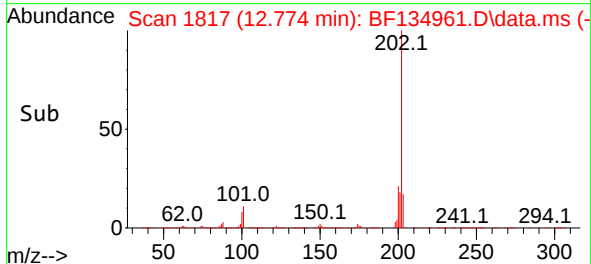
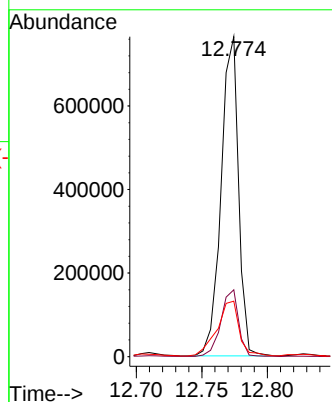
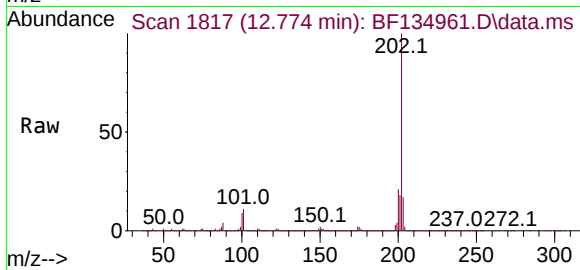




#78
Pyrene
Concen: 27.227 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

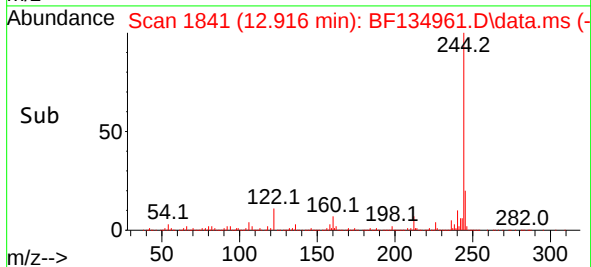
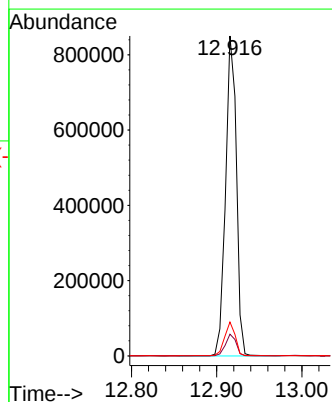
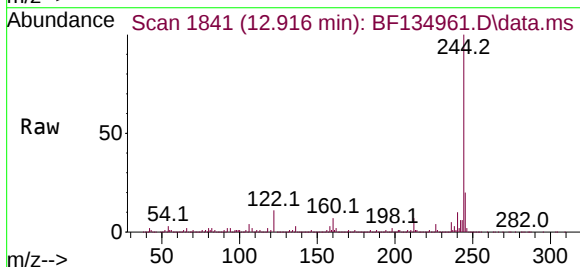
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

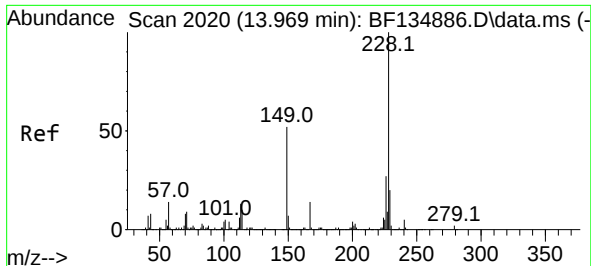
Tgt Ion:202 Resp: 708942
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.3 14.2 21.2



#79
Terphenyl-d14
Concen: 42.076 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

Tgt Ion:244 Resp: 751271
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.6 8.2 12.4

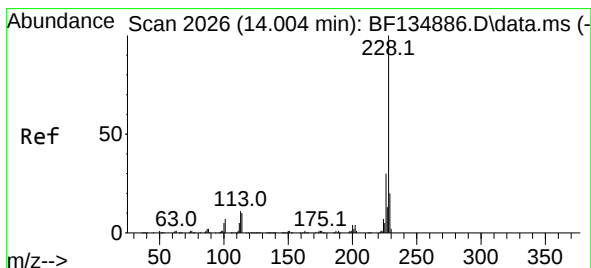
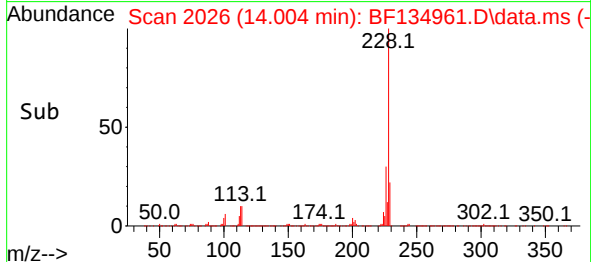
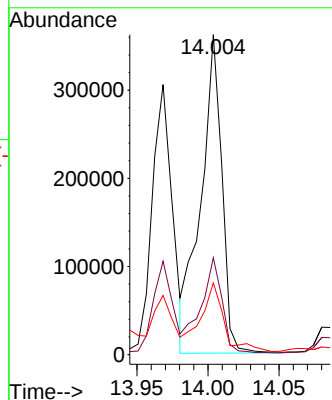
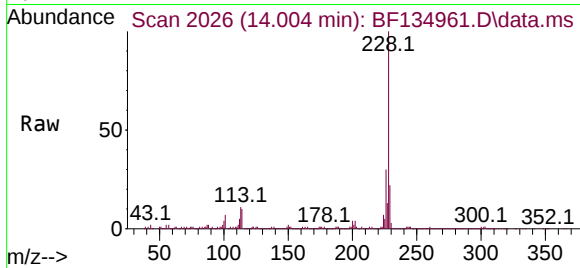




#81
Benzo(a)anthracene
Concen: 22.286 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.035 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

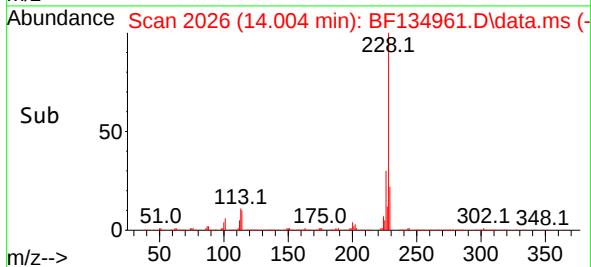
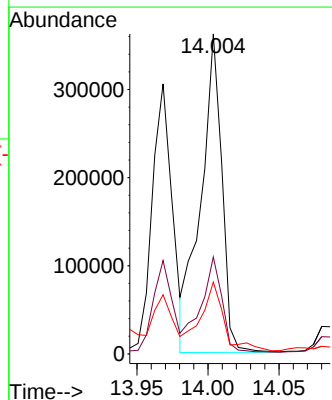
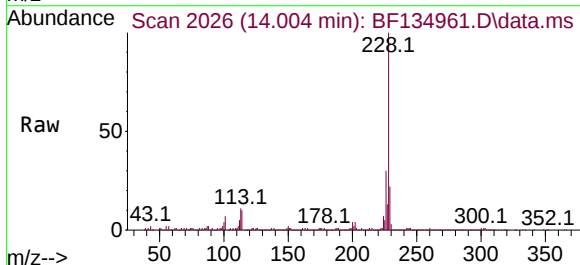
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

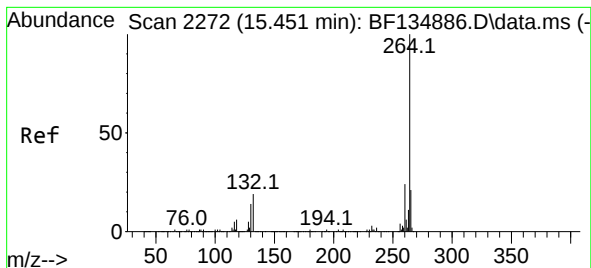
Tgt Ion:228 Resp: 373407
Ion Ratio Lower Upper
228 100
226 30.3 21.8 32.6
229 22.4 15.6 23.4



#83
Chrysene
Concen: 22.587 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134961.D
Acq: 28 Aug 2023 11:12

Tgt Ion:228 Resp: 373407
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.2
229 22.4 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

Instrument :

BNA_F

ClientSampleId :

TP-15(2-3)

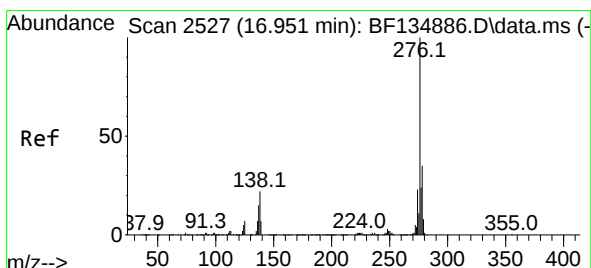
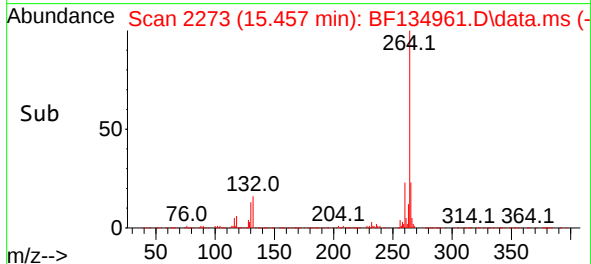
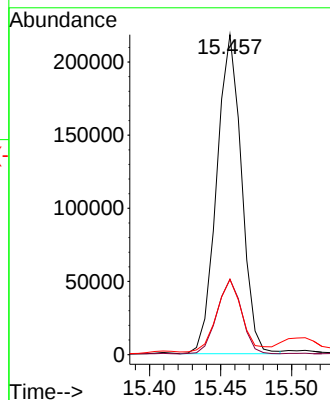
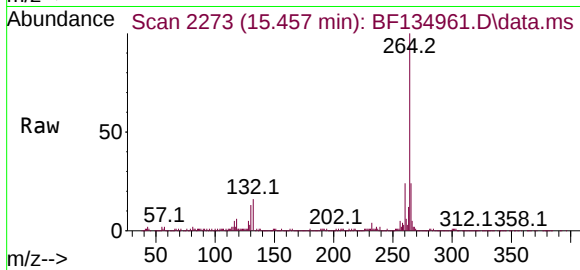
Tgt Ion:264 Resp: 265624

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 23.5 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.158 ng

RT: 16.951 min Scan# 2527

Delta R.T. -0.000 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

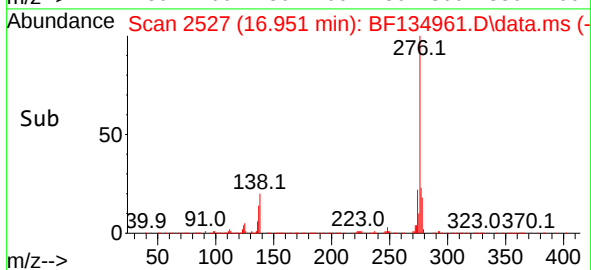
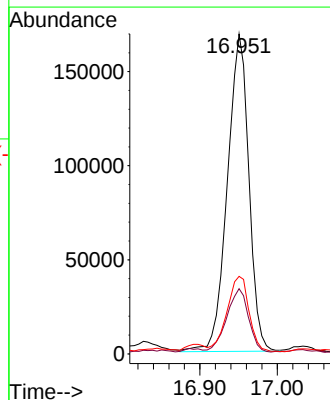
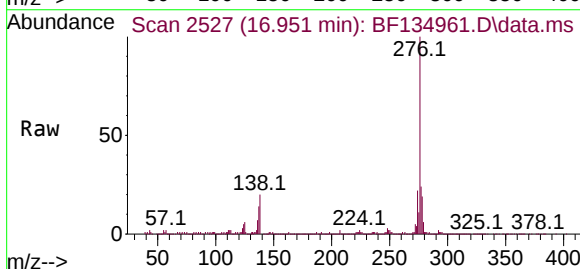
Tgt Ion:276 Resp: 325780

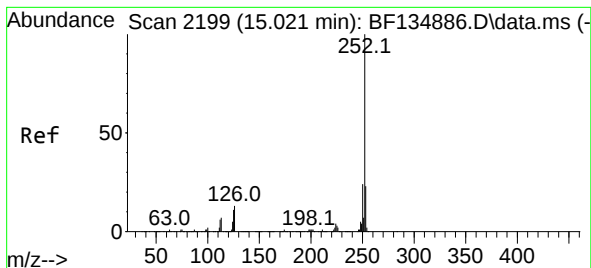
Ion Ratio Lower Upper

276 100

138 20.3 19.7 29.5

277 24.4 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 55.031 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

Instrument :

BNA_F

ClientSampleId :

TP-15(2-3)

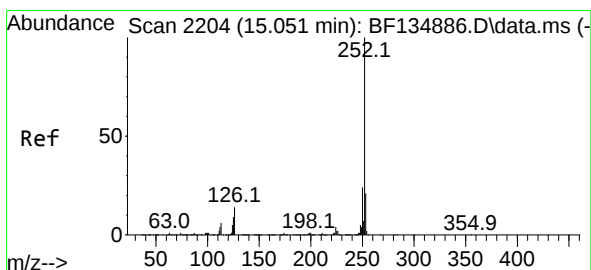
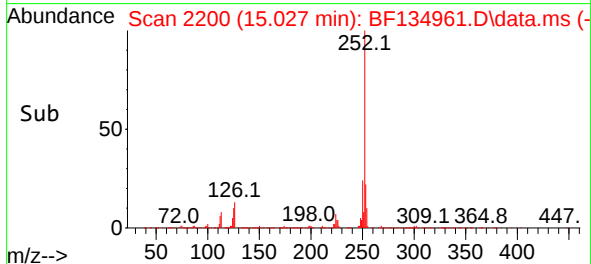
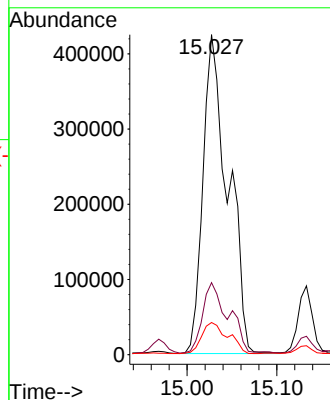
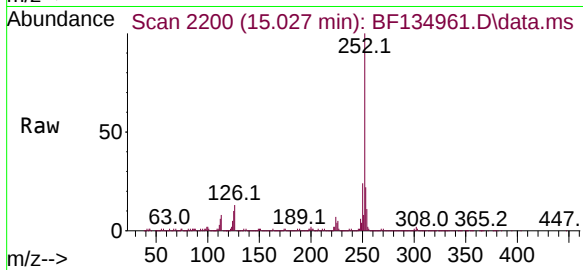
Tgt Ion:252 Resp: 824710

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

125 10.0 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 56.041 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.024 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

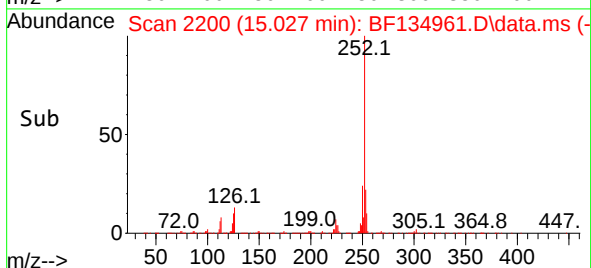
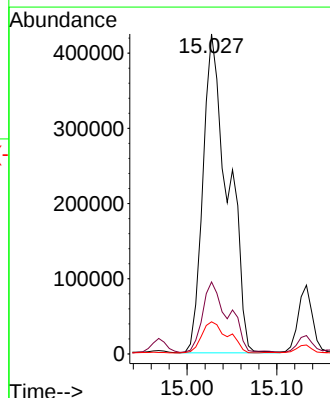
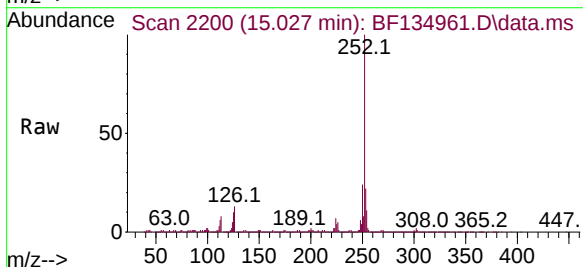
Tgt Ion:252 Resp: 824710

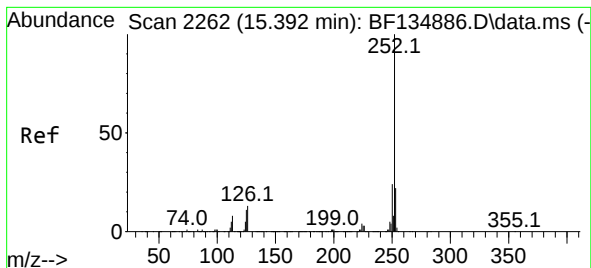
Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 10.0 8.0 12.0





#90

Benzo(a)pyrene

Concen: 27.248 ng

RT: 15.392 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

Instrument :

BNA_F

ClientSampleId :

TP-15(2-3)

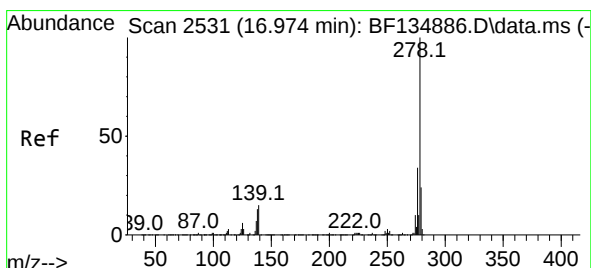
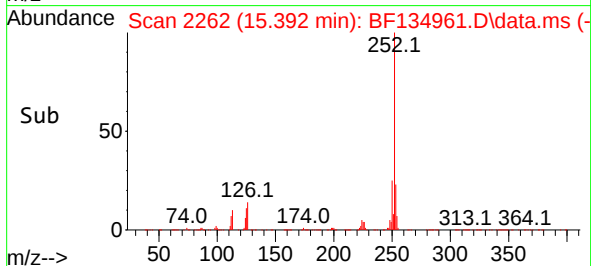
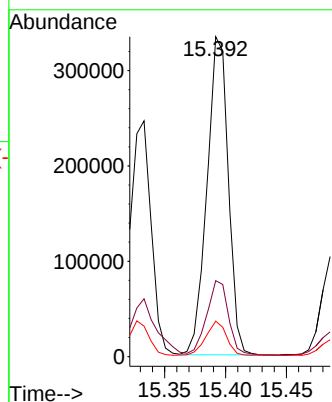
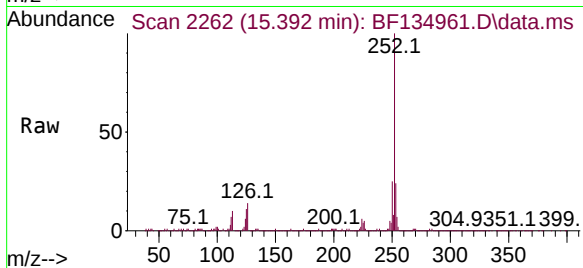
Tgt Ion:252 Resp: 407654

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 11.1 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 5.006 ng

RT: 16.956 min Scan# 2528

Delta R.T. -0.018 min

Lab File: BF134961.D

Acq: 28 Aug 2023 11:12

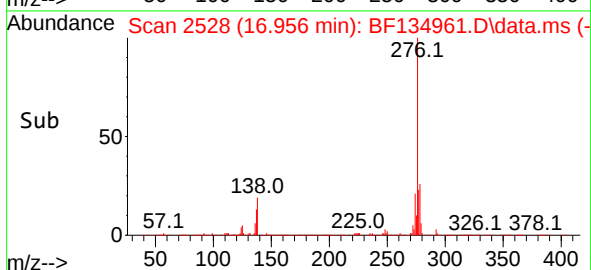
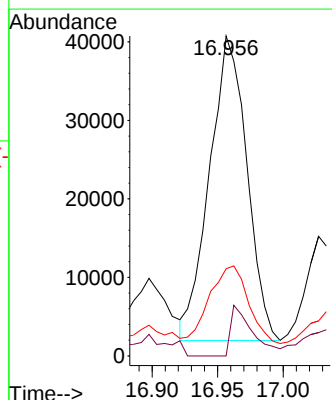
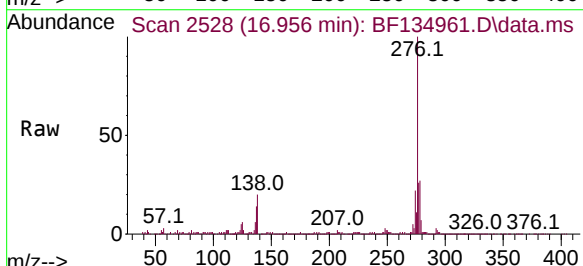
Tgt Ion:278 Resp: 76897

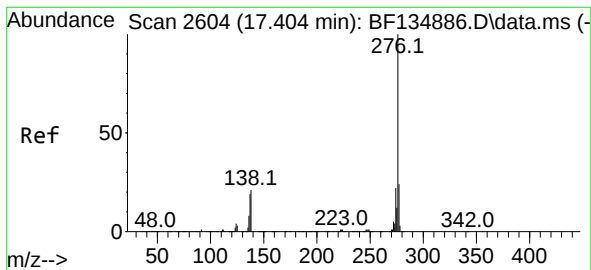
Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

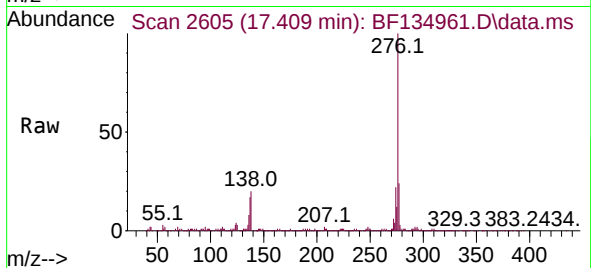
279 27.2 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 17.750 ng
 RT: 17.409 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF134961.D
 Acq: 28 Aug 2023 11:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(2-3)



Tgt Ion:276 Resp: 279142
 Ion Ratio Lower Upper
 276 100
 277 23.8 19.2 28.8
 138 19.7 17.0 25.6

