

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134954.D
 Acq On : 25 Aug 2023 22:25
 Operator : CG\JU
 Sample : 04133-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-082323

Quant Time: Aug 26 02:53:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

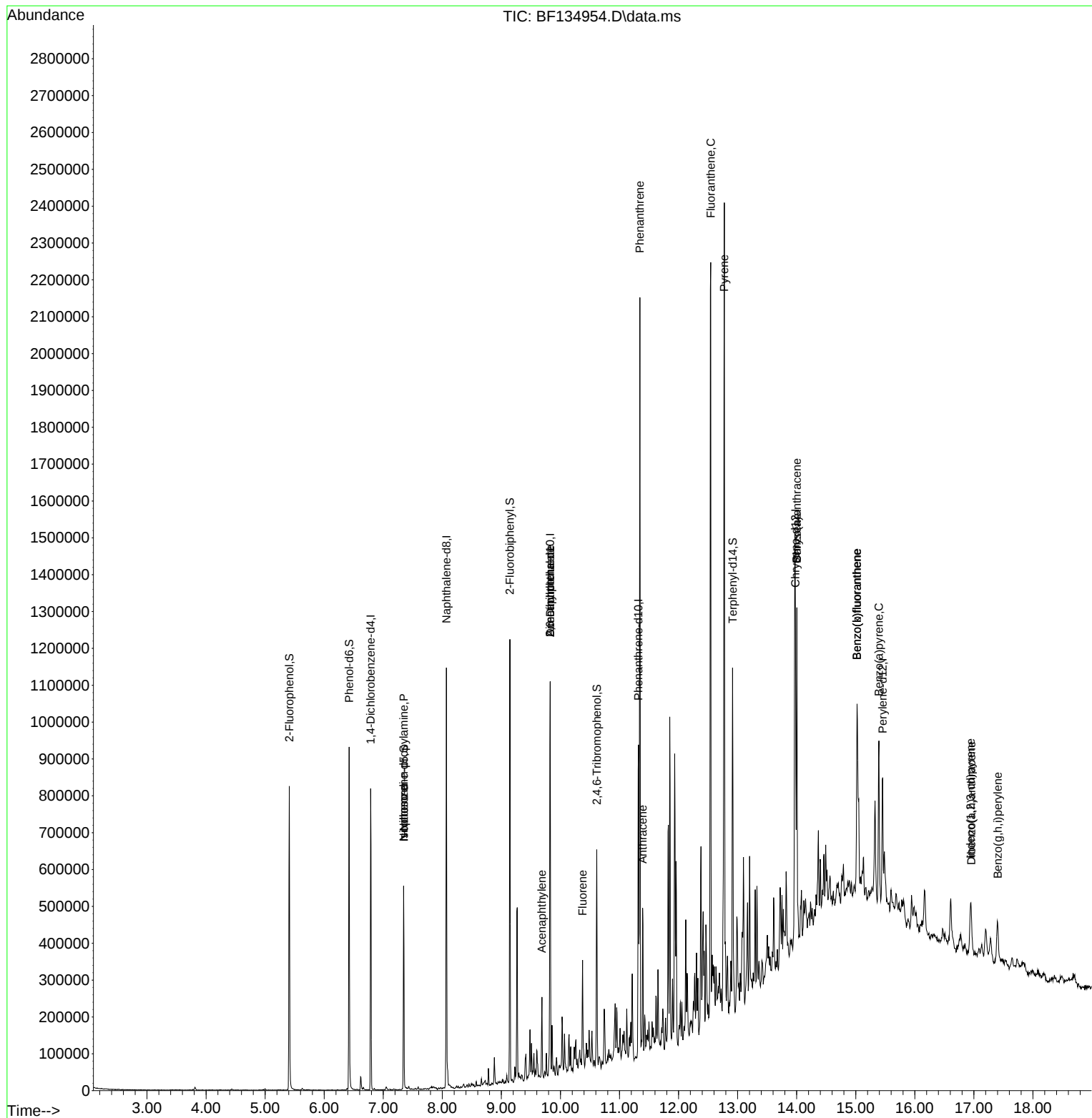
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	115939	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	439978	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	203956	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	323154	20.000	ng	0.00
76) Chrysene-d12	13.980	240	215269	20.000	ng	0.00
86) Perylene-d12	15.456	264	164603	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	218025	29.988	ng	-0.01
7) Phenol-d6	6.422	99	271389	29.212	ng	-0.02
23) Nitrobenzene-d5	7.345	82	152666	19.120	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	55917	23.278	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	302944	22.962	ng	-0.01
79) Terphenyl-d14	12.915	244	288534	18.435	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	20408	3.761	ng	# 78
20) 3+4-Methylphenols	7.210	107	167	Below Cal		# 27
25) Isophorone	7.345	82	150957	10.125	ng	# 64
49) Acenaphthylene	9.686	152	69255	3.740	ng	98
50) Dimethylphthalate	9.827	163	42704	2.941	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	28983	9.051	ng	# 28
58) Fluorene	10.374	166	69881	5.424	ng	99
71) Phenanthrene	11.345	178	710341	41.948	ng	100
72) Anthracene	11.392	178	152622	8.796	ng	99
75) Fluoranthene	12.545	202	841548	52.449	ng	99
78) Pyrene	12.774	202	896109	39.261	ng	100
81) Benzo(a)anthracene	14.004	228	317632	21.626	ng	95
83) Chrysene	14.004	228	317632	21.919	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	107027	9.097	ng	98
88) Benzo(b)fluoranthene	15.021	252	369645	39.803	ng	97
89) Benzo(k)fluoranthene	15.021	252	369645	40.534	ng	95
90) Benzo(a)pyrene	15.392	252	196439	21.189	ng	97
91) Dibenzo(a,h)anthracene	16.956	278	26098	2.741	ng	# 78
92) Benzo(g,h,i)perylene	17.403	276	100226	10.285	ng	95

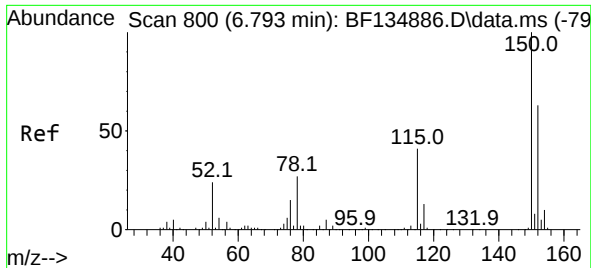
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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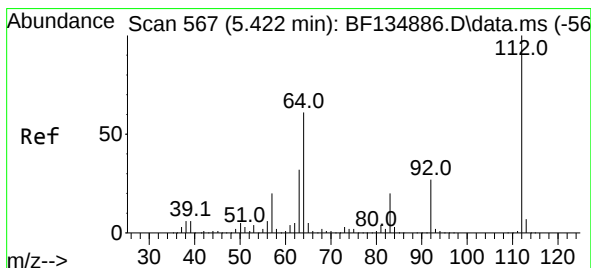
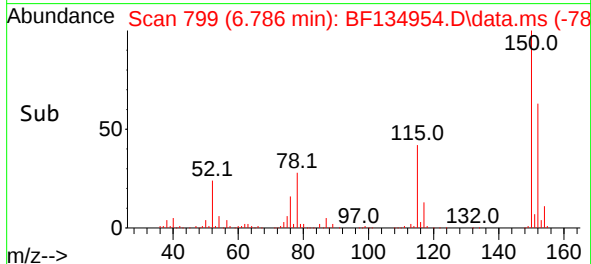
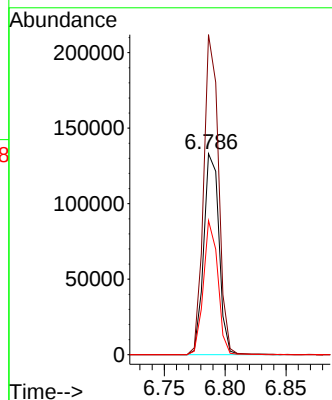
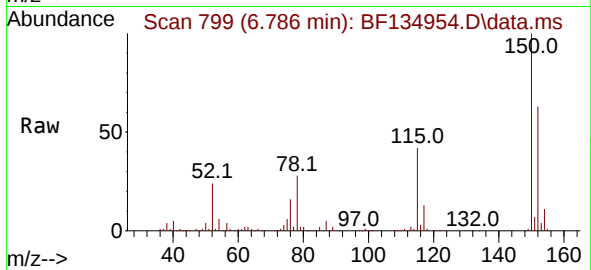




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.007 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

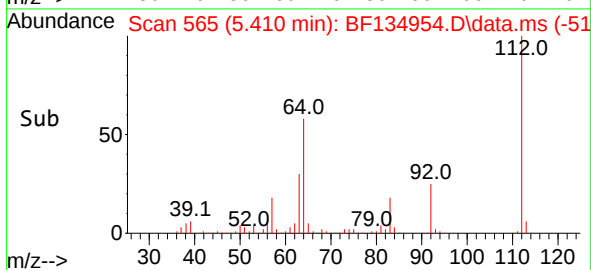
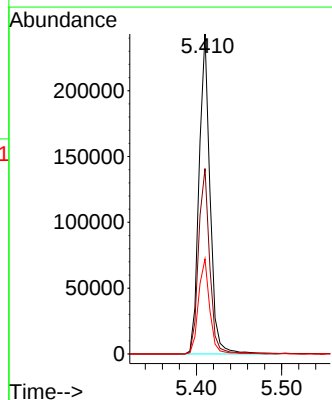
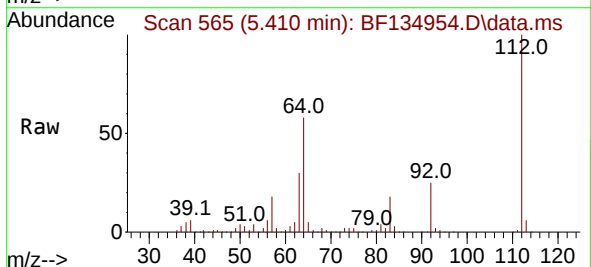
Instrument :
BNA_F
ClientSampleId :
OK-2-082323

Tgt Ion:152 Resp: 115939
Ion Ratio Lower Upper
152 100
150 159.3 126.1 189.1
115 66.8 51.1 76.7



#5
2-Fluorophenol
Concen: 29.988 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:112 Resp: 218025
Ion Ratio Lower Upper
112 100
64 58.0 48.6 73.0
63 29.7 25.7 38.5





#7
Phenol-d6
Concen: 29.212 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

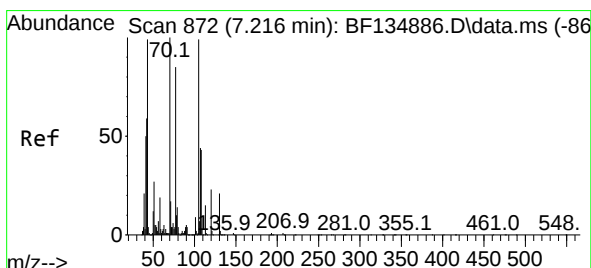
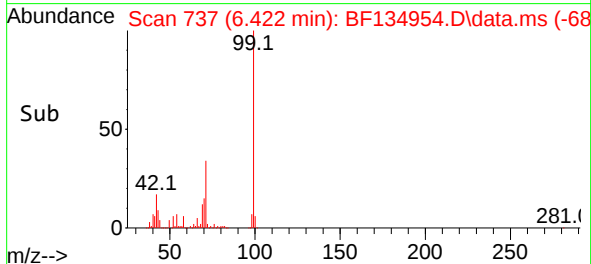
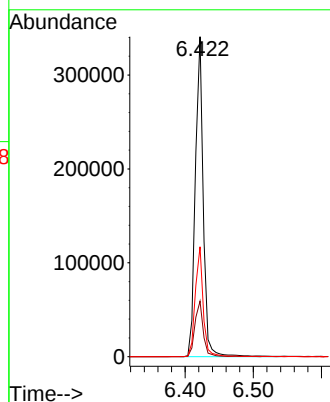
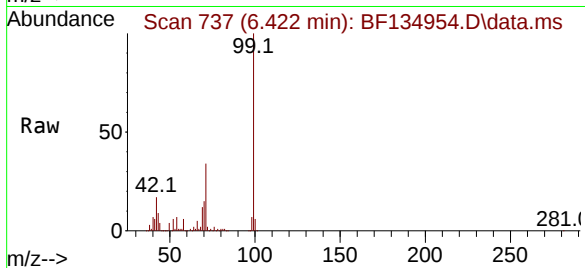
Instrument :

BNA_F

ClientSampleId :

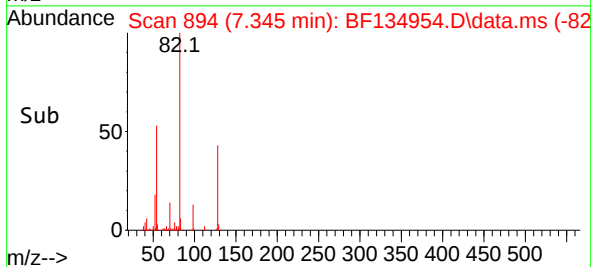
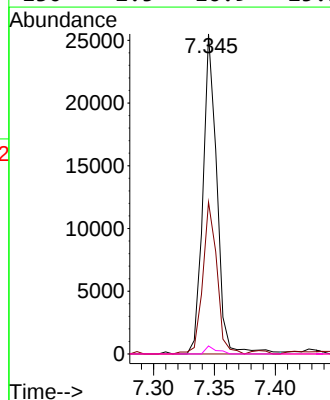
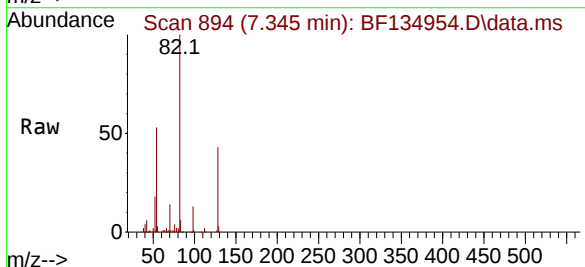
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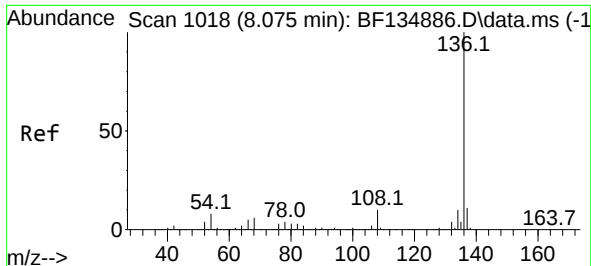
Tgt Ion: 99 Resp: 271389
Ion Ratio Lower Upper
99 100
42 17.3 14.6 22.0
71 34.3 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 3.761 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion: 70 Resp: 20408
Ion Ratio Lower Upper
70 100
42 47.5 46.9 70.3
101 0.0 7.5 11.3#
130 2.5 16.9 25.3#



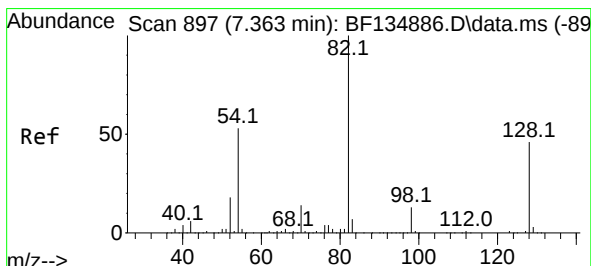
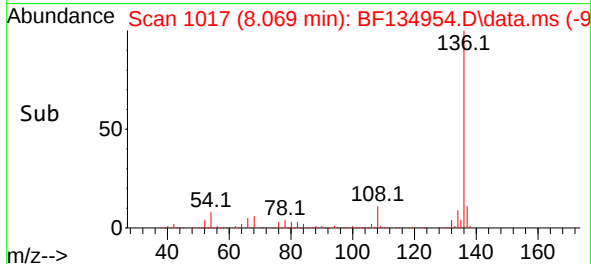
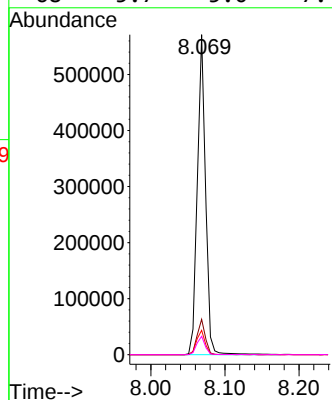
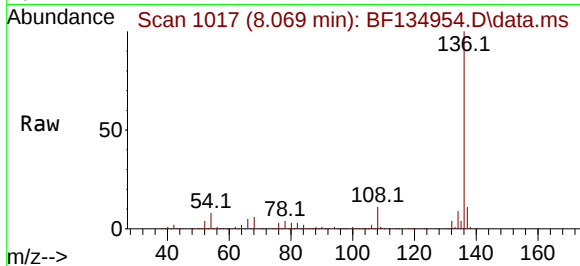


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Instrument :
BNA_F
ClientSampleId :
OK-2-082323

Tgt Ion:136 Resp: 439978

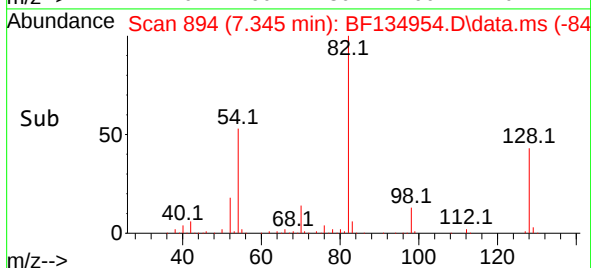
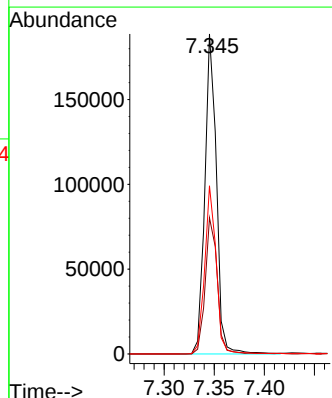
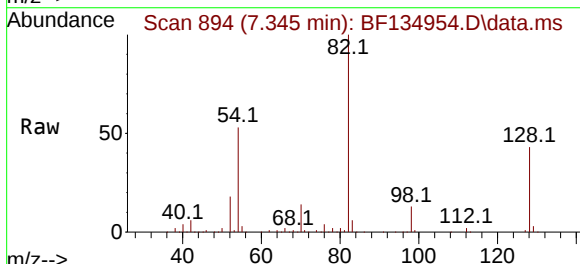
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.6	6.6	9.8
68	5.7	5.0	7.4

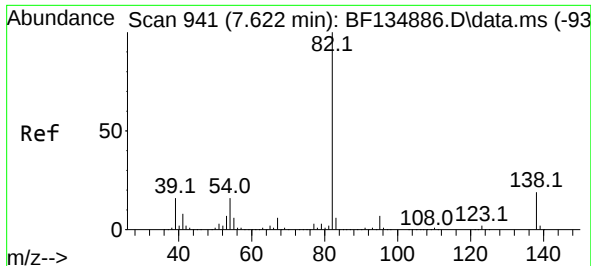


#23
Nitrobenzene-d5
Concen: 19.120 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion: 82 Resp: 152666

Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.6	54.8
54	52.5	42.6	63.8

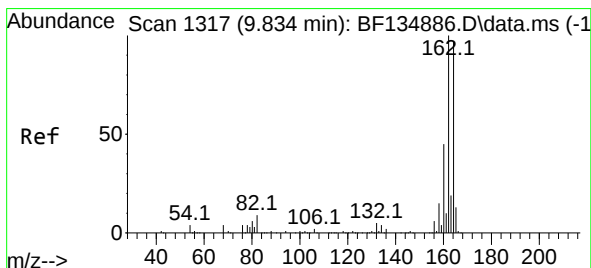
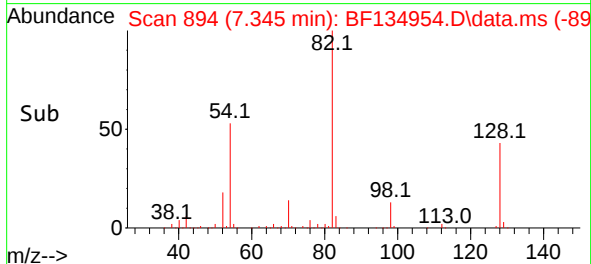
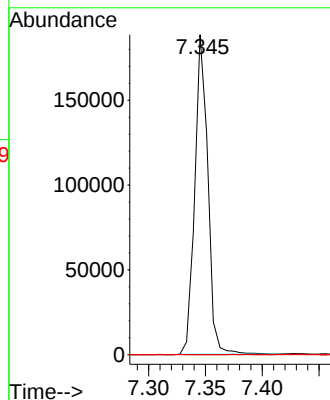
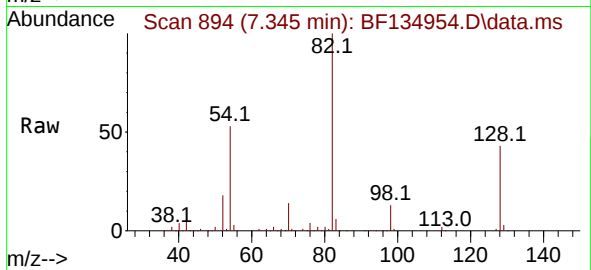




#25
Isophorone
Concen: 10.125 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.277 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

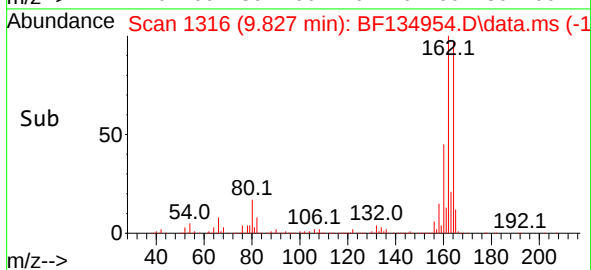
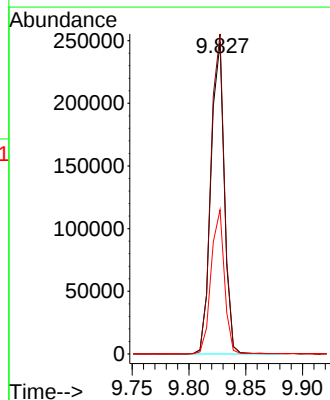
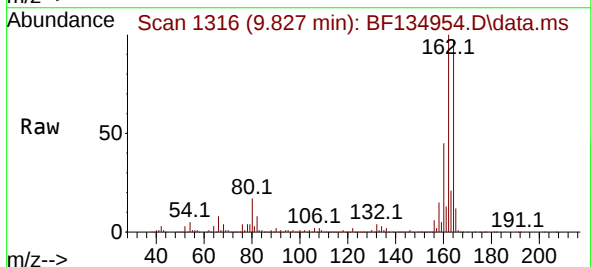
Instrument :
BNA_F
ClientSampleId :
OK-2-082323

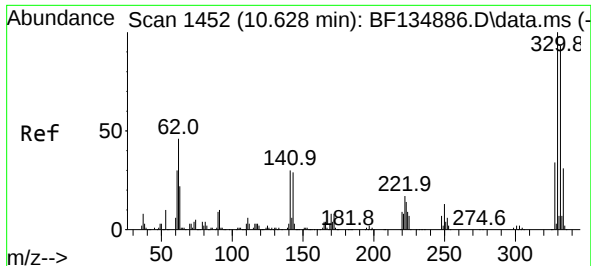
Tgt Ion: 82 Resp: 150957
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion: 164 Resp: 203956
Ion Ratio Lower Upper
164 100
162 102.7 82.6 123.8
160 46.2 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 23.278 ng

RT: 10.616 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

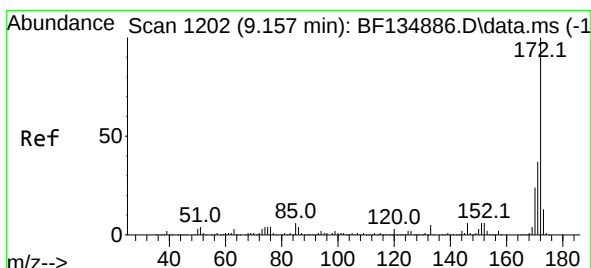
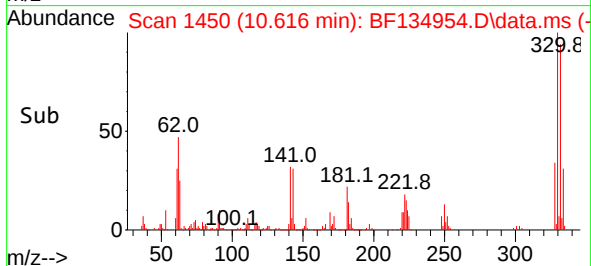
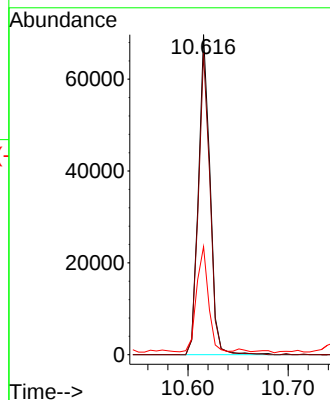
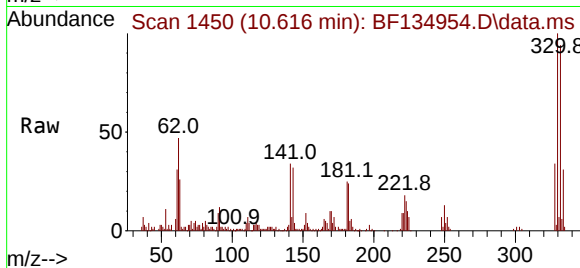
Tgt Ion:330 Resp: 55917

Ion Ratio Lower Upper

330 100

332 94.4 76.3 114.5

141 33.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 22.962 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

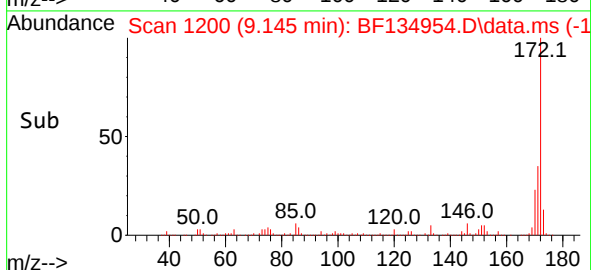
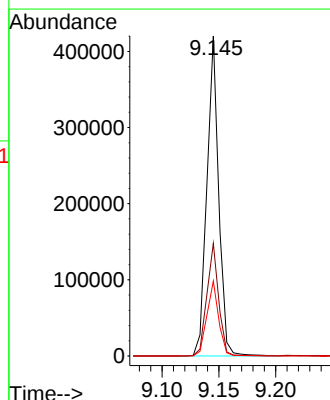
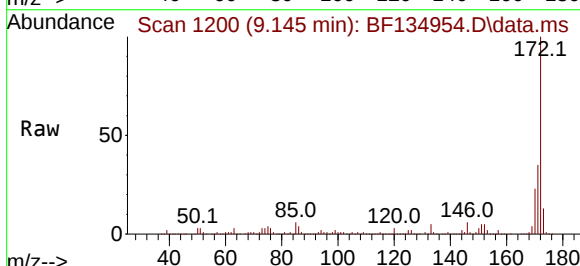
Tgt Ion:172 Resp: 302944

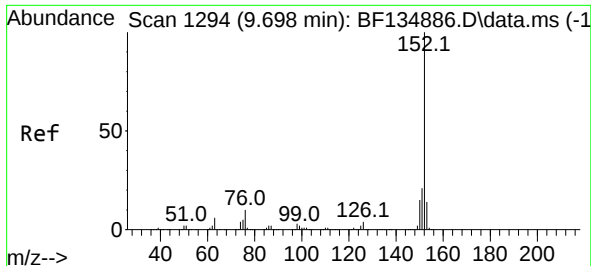
Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

170 23.4 19.6 29.4





#49

Acenaphthylene

Concen: 3.740 ng

RT: 9.686 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

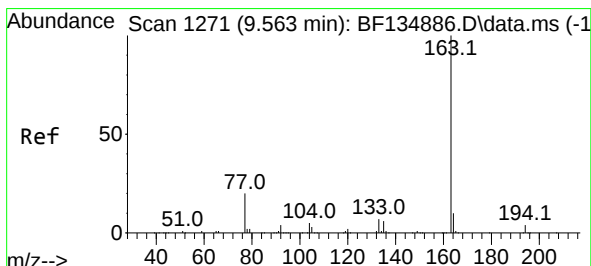
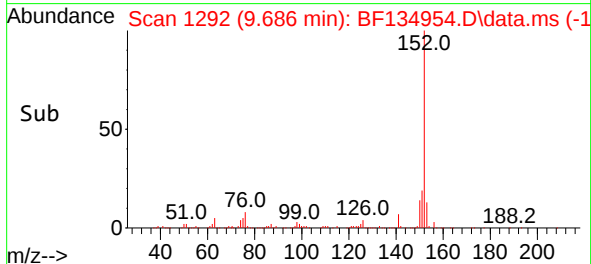
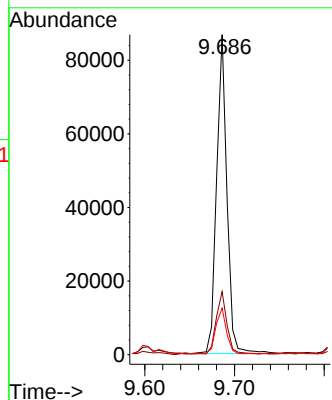
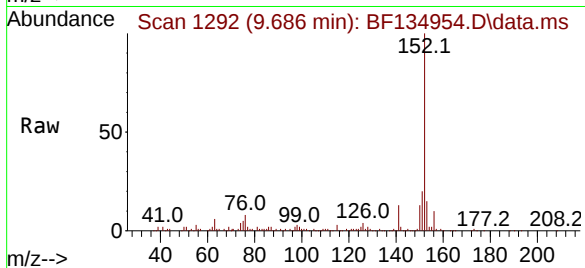
Tgt Ion:152 Resp: 69255

Ion Ratio Lower Upper

152 100

151 19.7 16.5 24.7

153 14.5 11.3 16.9



#50

Dimethylphthalate

Concen: 2.941 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.264 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

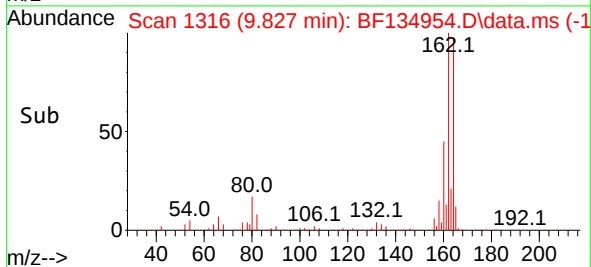
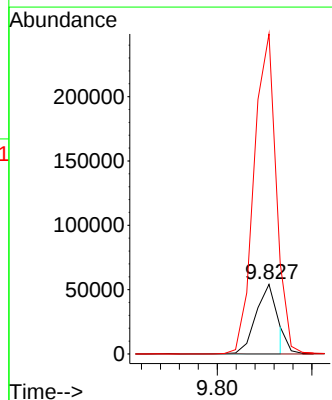
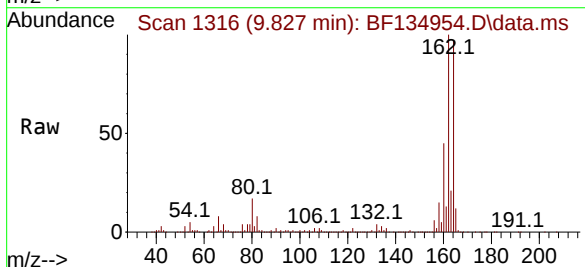
Tgt Ion:163 Resp: 42704

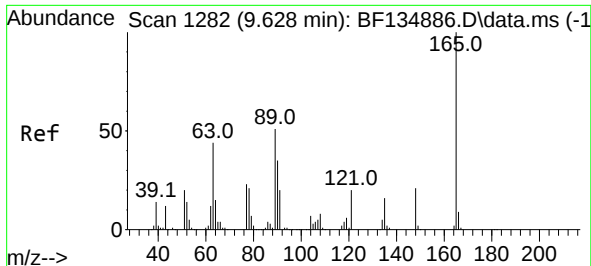
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 459.2 8.2 12.4#

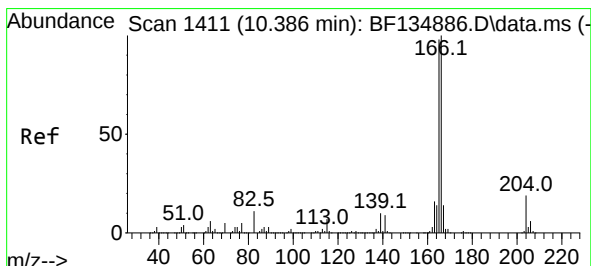
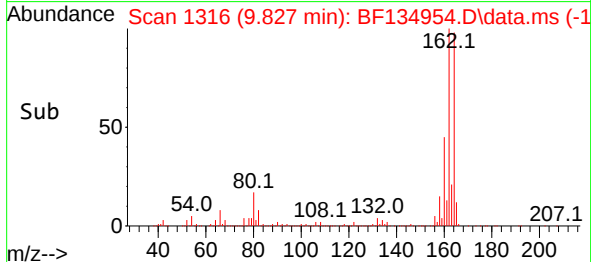
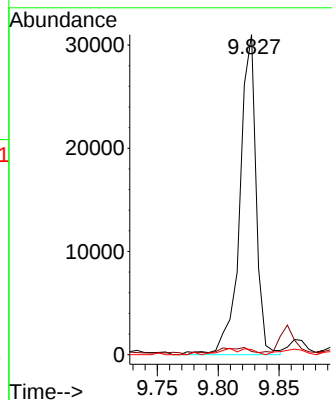
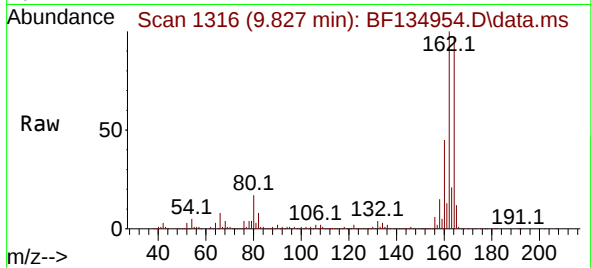




#51
2,6-Dinitrotoluene
Concen: 9.051 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.199 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

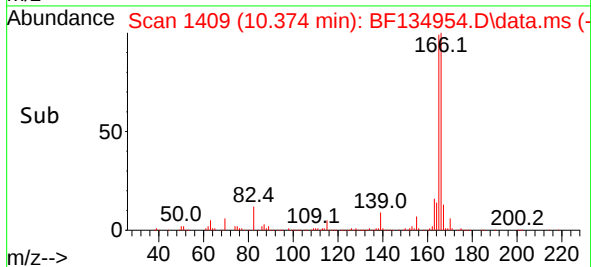
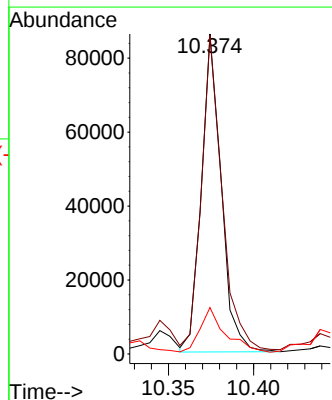
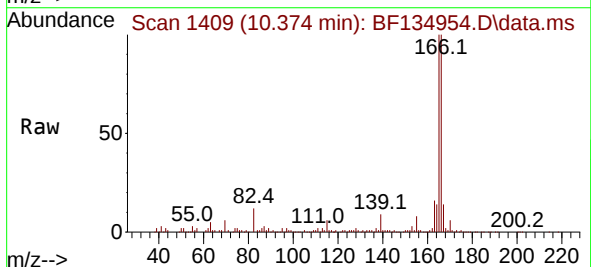
Instrument :
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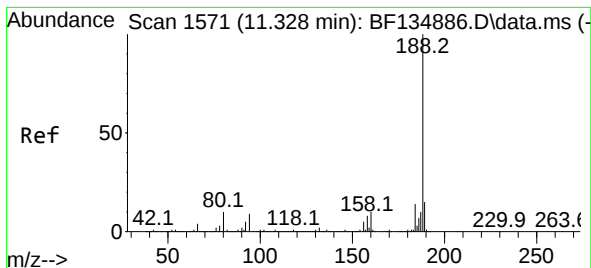
Tgt Ion:165 Resp: 28983
Ion Ratio Lower Upper
165 100
63 1.0 41.4 62.2#
89 1.6 40.9 61.3#



#58
Fluorene
Concen: 5.424 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:166 Resp: 69881
Ion Ratio Lower Upper
166 100
165 99.6 78.5 117.7
167 14.5 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

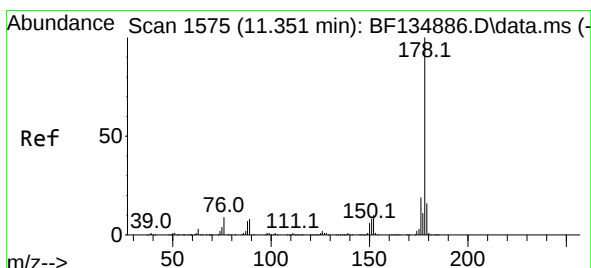
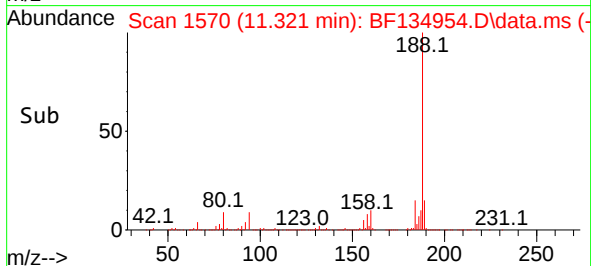
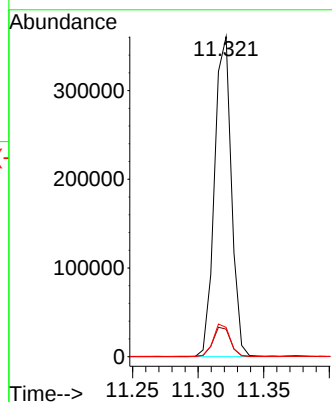
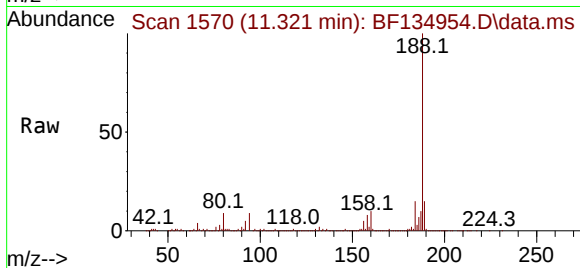
Tgt Ion:188 Resp: 323154

Ion Ratio Lower Upper

188 100

94 8.6 7.5 11.3

80 9.1 7.8 11.6



#71

Phenanthrene

Concen: 41.948 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

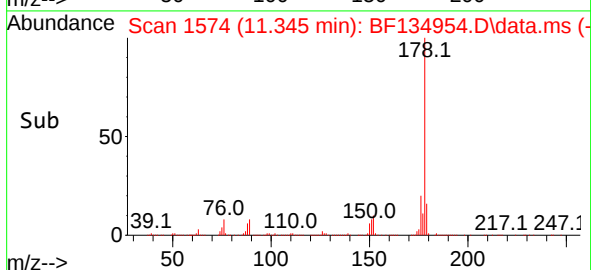
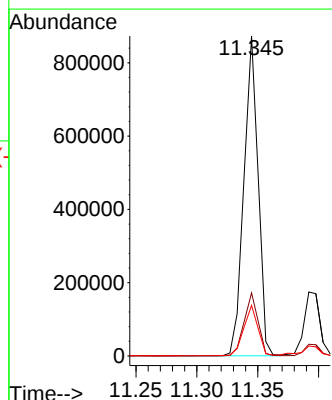
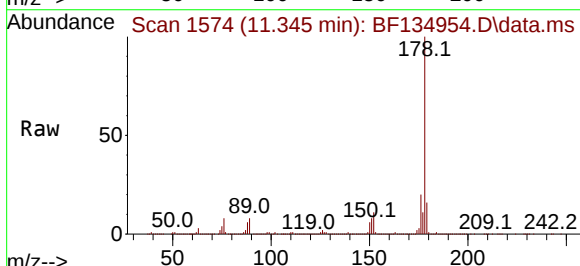
Tgt Ion:178 Resp: 710341

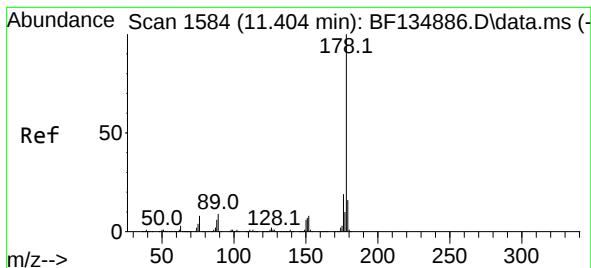
Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 15.8 12.6 19.0





#72

Anthracene

Concen: 8.796 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

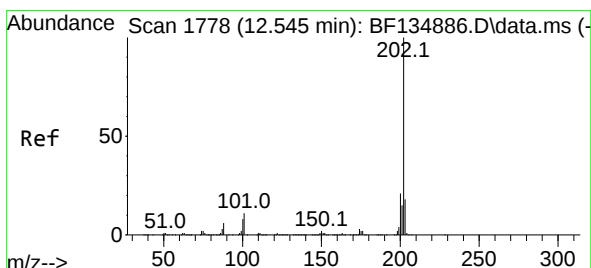
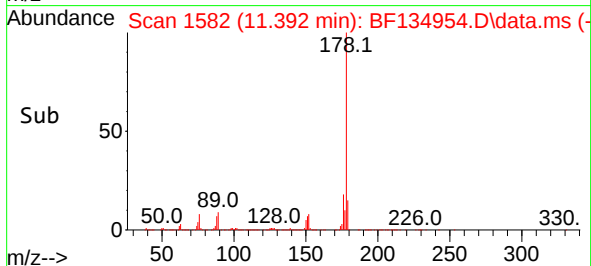
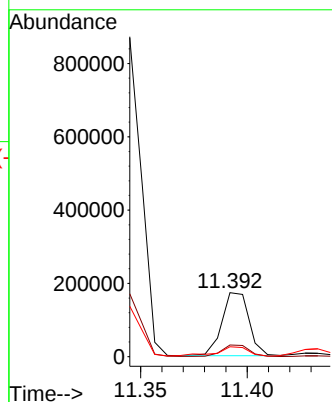
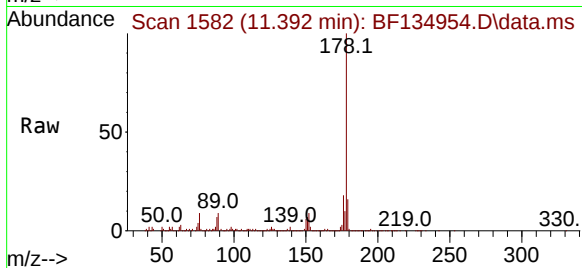
Tgt Ion:178 Resp: 152622

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

179 15.5 12.5 18.7



#75

Fluoranthene

Concen: 52.449 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.000 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

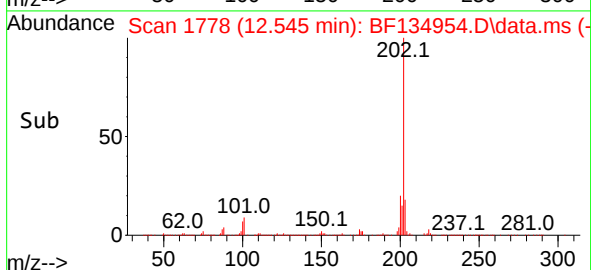
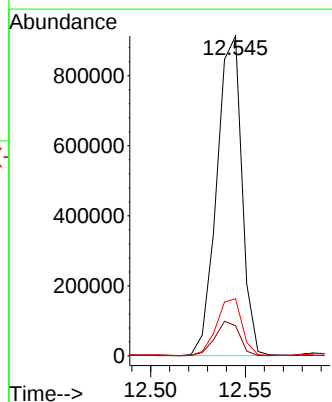
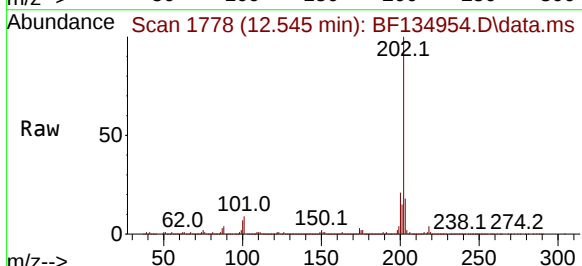
Tgt Ion:202 Resp: 841548

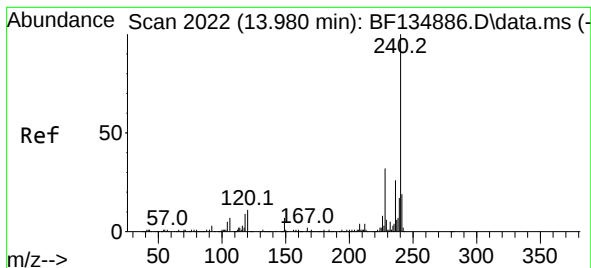
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.5

203 17.9 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: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

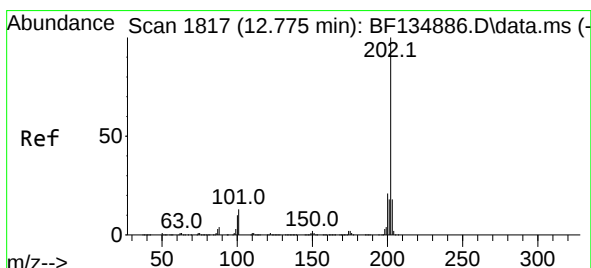
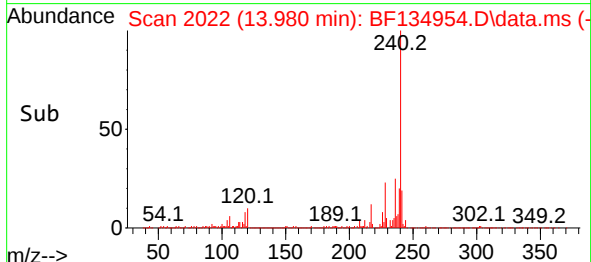
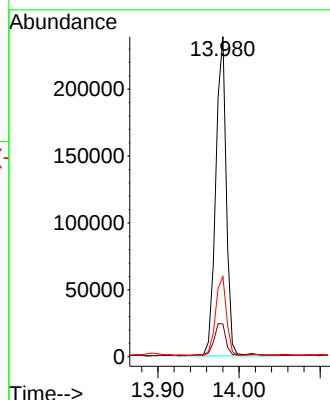
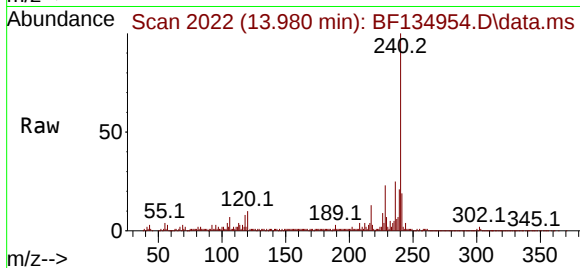
Tgt Ion:240 Resp: 215269

Ion Ratio Lower Upper

240 100

120 10.2 8.6 12.8

236 25.0 20.6 31.0



#78

Pyrene

Concen: 39.261 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.000 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

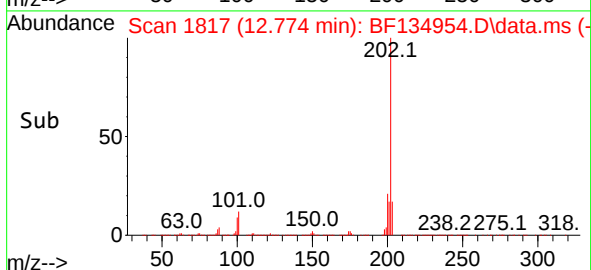
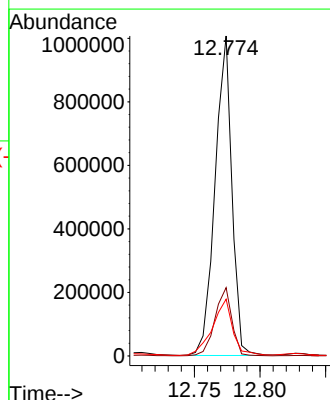
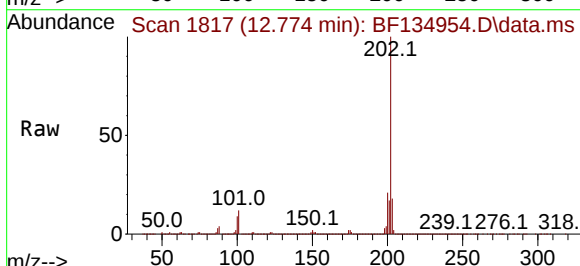
Tgt Ion:202 Resp: 896109

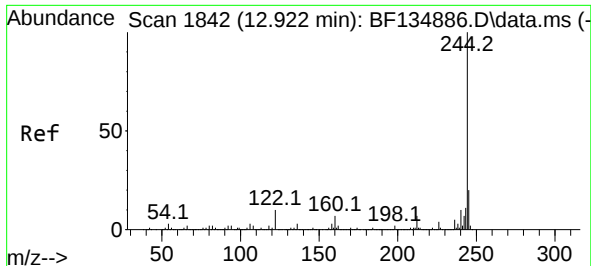
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.7 14.2 21.2

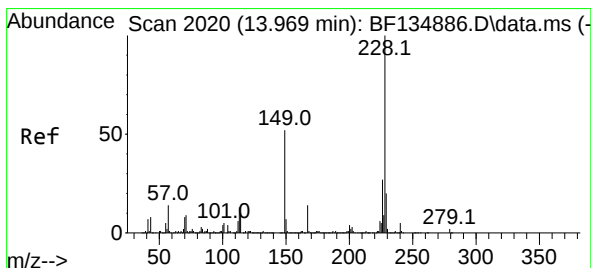
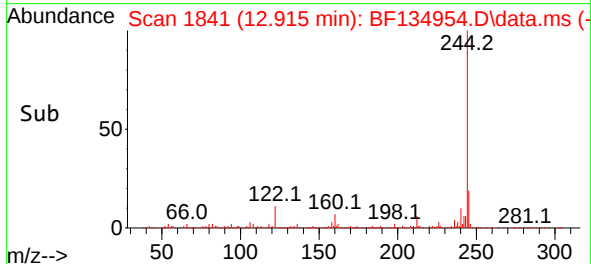
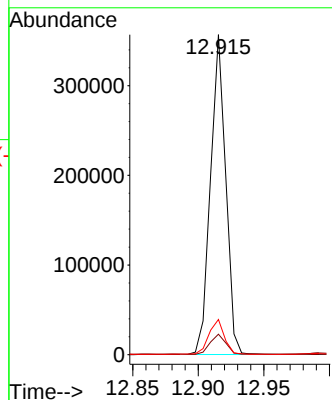
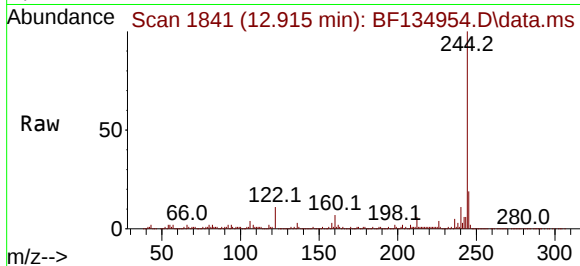




#79
 Terphenyl-d14
 Concen: 18.435 ng
 RT: 12.915 min Scan# 1841
 Delta R.T. -0.007 min
 Lab File: BF134954.D
 Acq: 25 Aug 2023 22:25

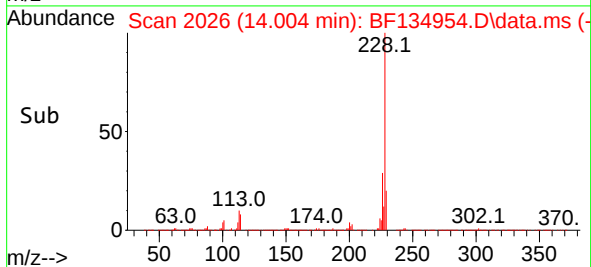
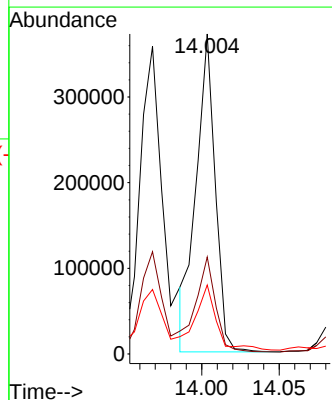
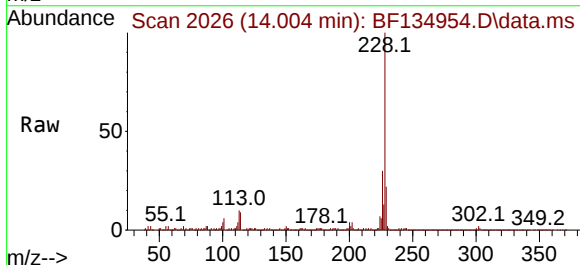
Instrument :
 BNA_F
 ClientSampleId :
 OK-2-082323

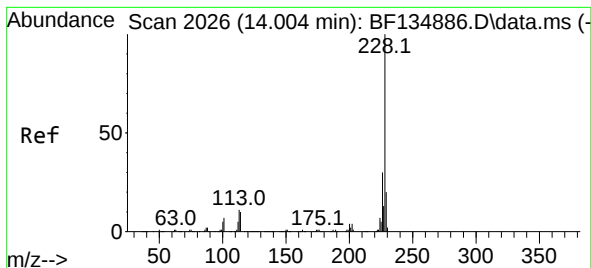
Tgt Ion:244 Resp: 288534
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 11.0 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 21.626 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.035 min
 Lab File: BF134954.D
 Acq: 25 Aug 2023 22:25

Tgt Ion:228 Resp: 317632
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.8 32.6
 229 21.6 15.6 23.4





#83

Chrysene

Concen: 21.919 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

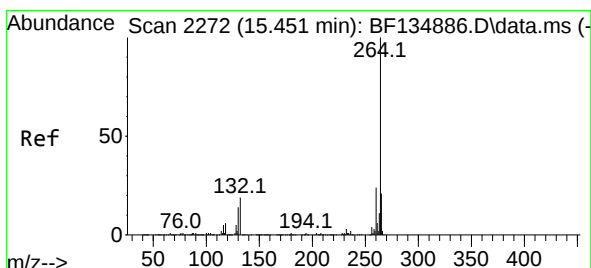
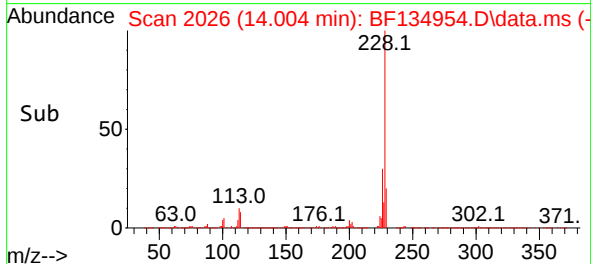
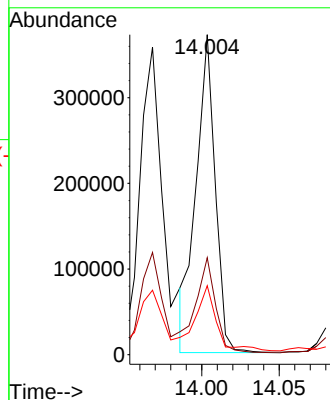
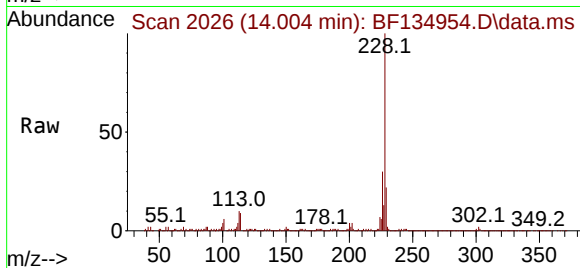
Tgt Ion:228 Resp: 317632

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.2

229 21.6 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 2273

Delta R.T. 0.006 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

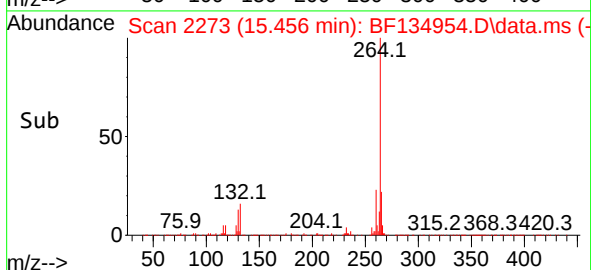
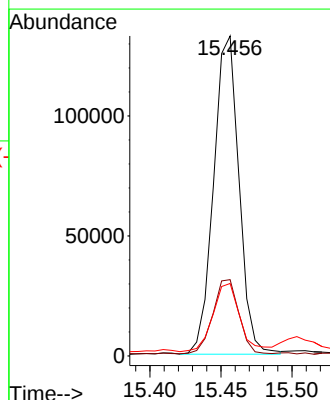
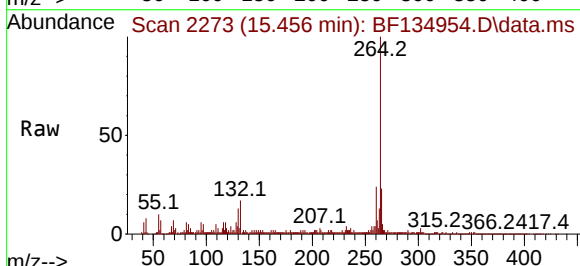
Tgt Ion:264 Resp: 164603

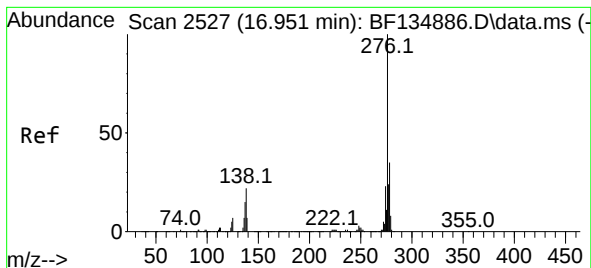
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 22.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.097 ng

RT: 16.945 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

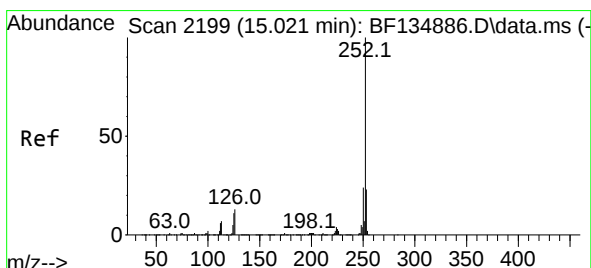
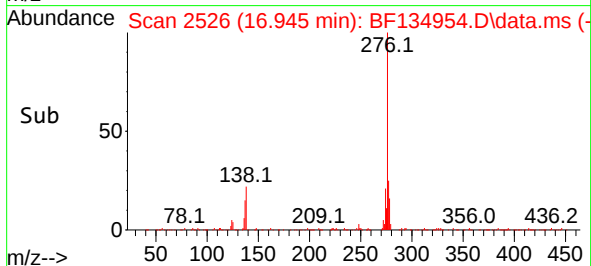
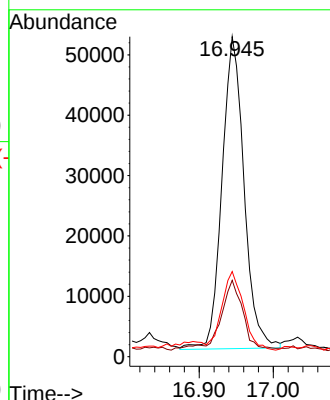
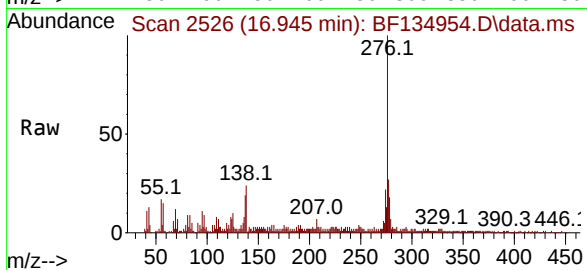
Tgt Ion:276 Resp: 107027

Ion Ratio Lower Upper

276 100

138 22.9 19.7 29.5

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 39.803 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF134954.D

Acq: 25 Aug 2023 22:25

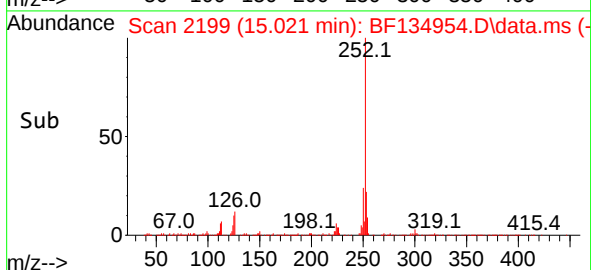
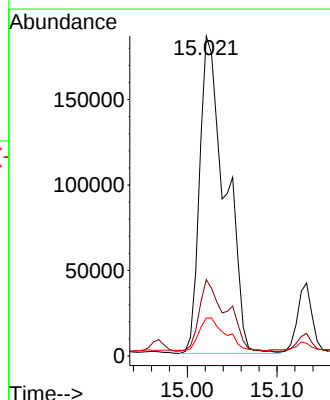
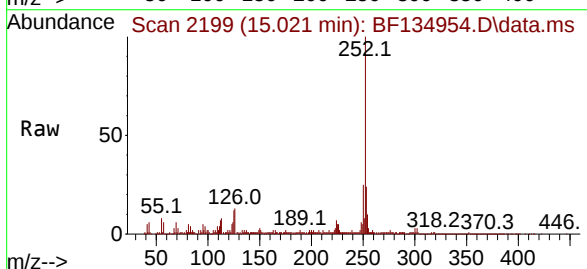
Tgt Ion:252 Resp: 369645

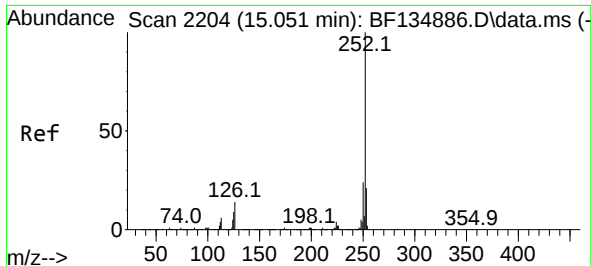
Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

125 11.9 8.4 12.6

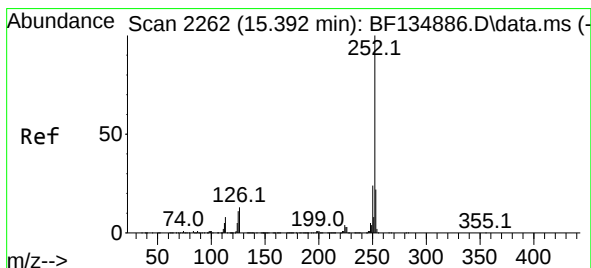
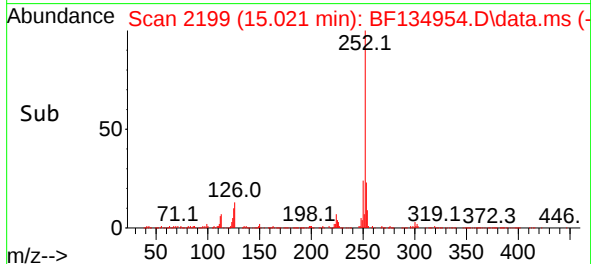
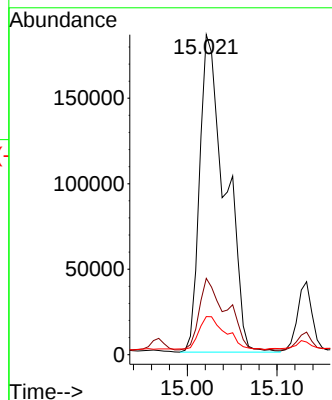
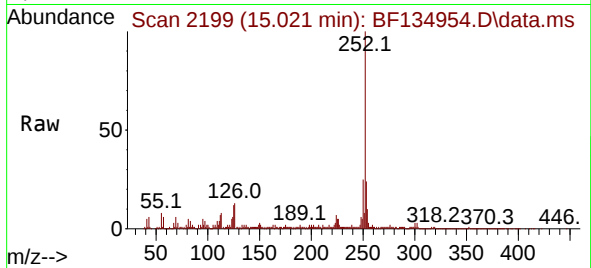




#89
Benzo(k)fluoranthene
Concen: 40.534 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

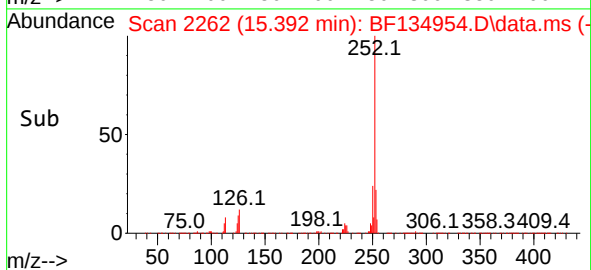
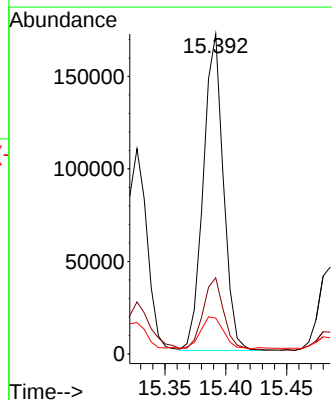
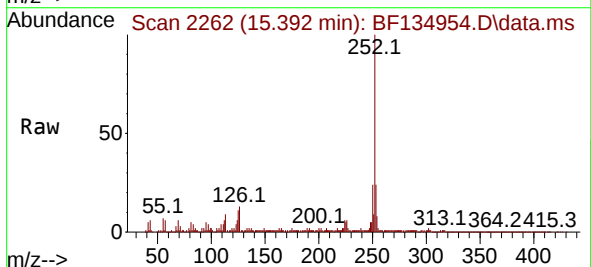
Instrument :
BNA_F
ClientSampleId :
OK-2-082323

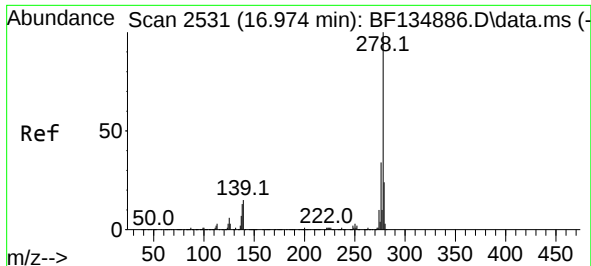
Tgt Ion:252 Resp: 369645
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 11.9 8.0 12.0



#90
Benzo(a)pyrene
Concen: 21.189 ng
RT: 15.392 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:252 Resp: 196439
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 11.2 8.4 12.6

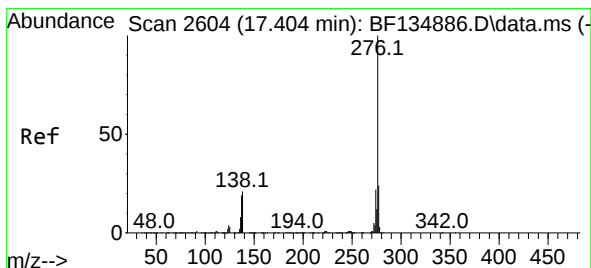
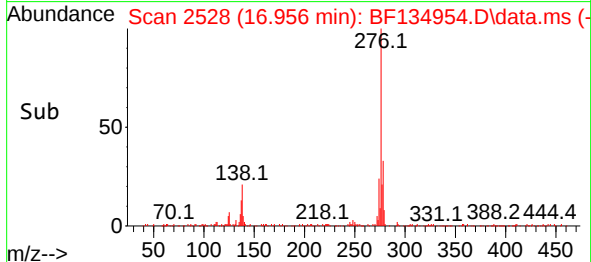
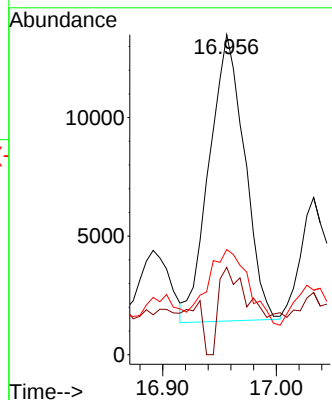
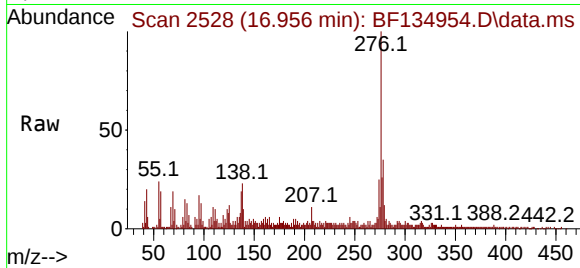




#91
Dibenzo(a,h)anthracene
Concen: 2.741 ng
RT: 16.956 min Scan# 2528
Delta R.T. -0.018 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Instrument :
BNA_F
ClientSampleId :
OK-2-082323

Tgt Ion:278 Resp: 26098
Ion Ratio Lower Upper
278 100
139 27.3 12.2 18.4#
279 32.8 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 10.285 ng
RT: 17.403 min Scan# 2604
Delta R.T. -0.000 min
Lab File: BF134954.D
Acq: 25 Aug 2023 22:25

Tgt Ion:276 Resp: 100226
Ion Ratio Lower Upper
276 100
277 25.7 19.2 28.8
138 24.1 17.0 25.6

