

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080123\
 Data File : BF134565.D
 Acq On : 02 Aug 2023 00:09
 Operator : CG\JU
 Sample : 03645-06DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-(0.5-2.0)DL

Quant Time: Aug 02 02:47:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

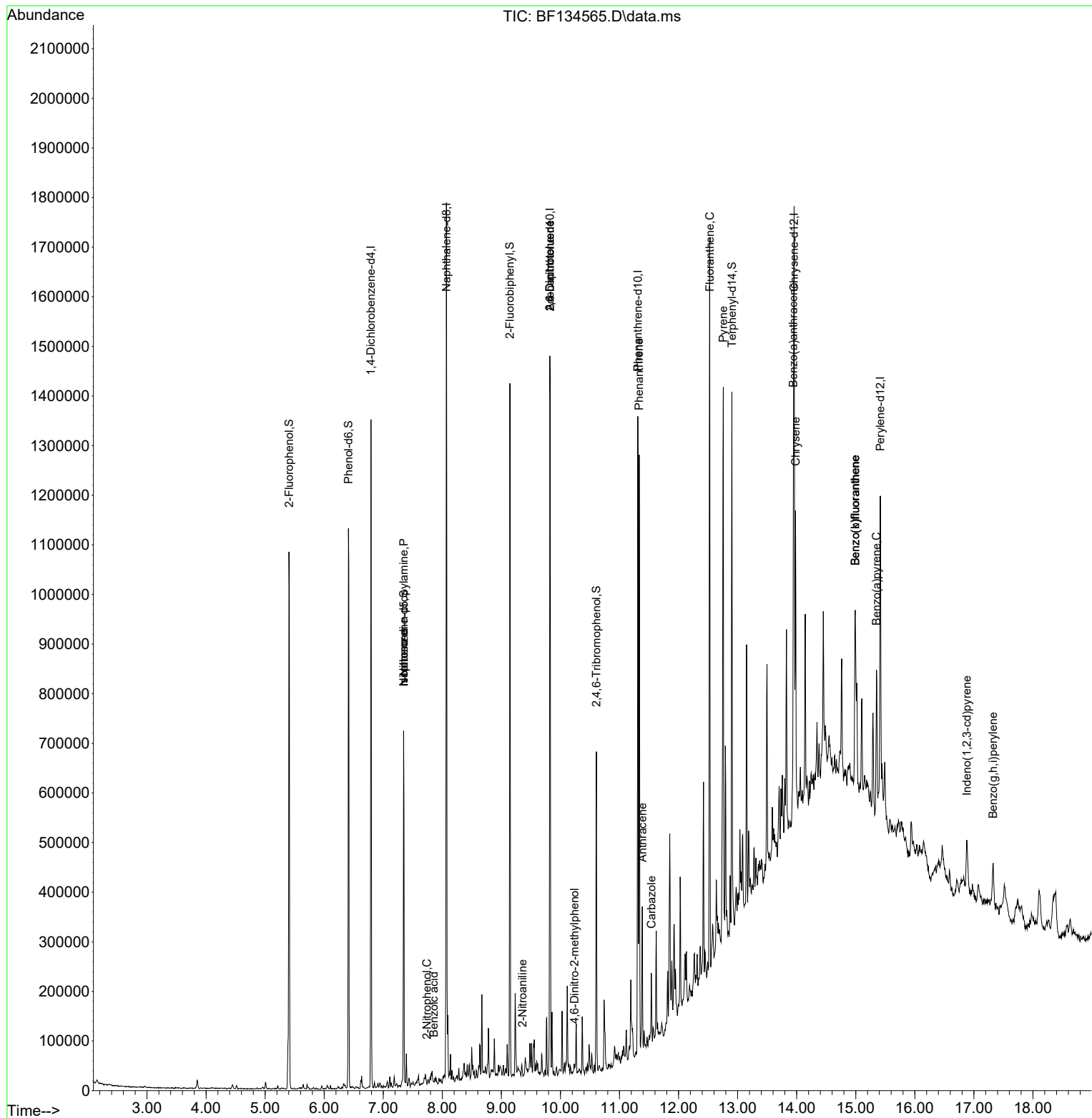
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	176047	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	669108	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	288095	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	446577	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	335956	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	267080	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	275066	23.751	ng	-0.01
7) Phenol-d6	6.410	99	351976	23.775	ng	-0.02
23) Nitrobenzene-d5	7.345	82	195417	18.251	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	60908	20.739	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	366138	21.131	ng	0.00
79) Terphenyl-d14	12.904	244	323050	16.951	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.339	77	1128	Below Cal	#	82
19) n-Nitroso-di-n-propyla...	7.345	70	27151	3.063	ng	# 78
25) Isophorone	7.345	82	194348	8.322	ng	# 65
26) 2-Nitrophenol	7.739	139	57	4.803	ng	# 9
32) Benzoic acid	7.857	122	213	7.893	ng	# 41
48) 2-Nitroaniline	9.357	65	647	3.282	ng	# 8
51) 2,6-Dinitrotoluene	9.822	165	38568	11.584	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	38568	10.316	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.239	198	230	8.803	ng	# 29
71) Phenanthrene	11.333	178	413642	17.438	ng	99
72) Anthracene	11.386	178	98309	4.057	ng	99
73) Carbazole	11.539	167	46460	2.148	ng	97
75) Fluoranthene	12.527	202	546233	21.800	ng	97
78) Pyrene	12.757	202	453292	15.593	ng	98
81) Benzo(a)anthracene	13.945	228	237138	9.872	ng	99
83) Chrysene	13.980	228	216941	9.269	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	76120	4.846	ng	# 95
88) Benzo(b)fluoranthene	14.992	252	289174	17.753	ng	# 95
89) Benzo(k)fluoranthene	14.992	252	289174	17.821	ng	# 96
90) Benzo(a)pyrene	15.351	252	134432	8.851	ng	# 91
92) Benzo(g,h,i)perylene	17.327	276	74407	5.746	ng	# 90

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

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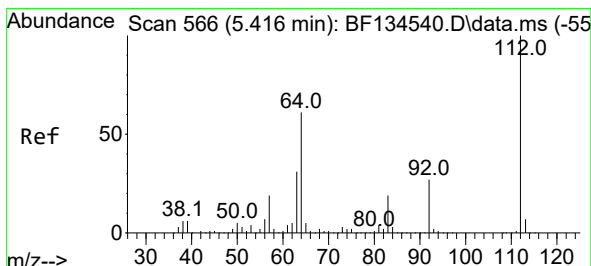
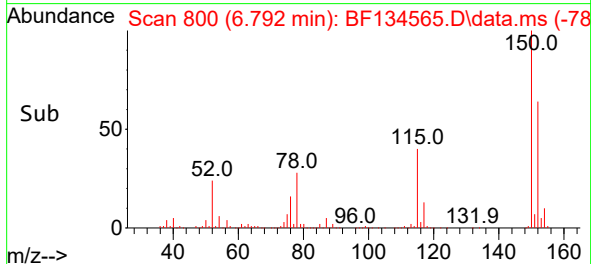
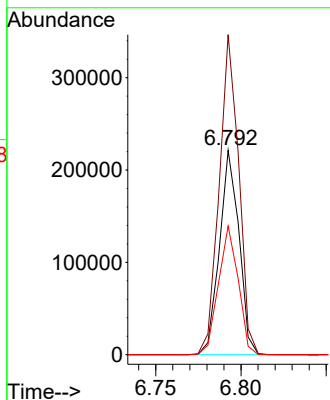
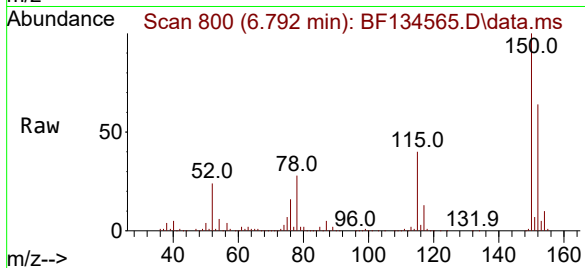




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

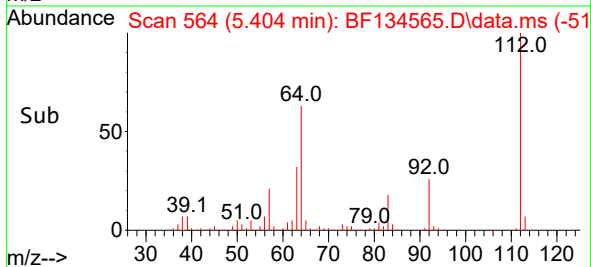
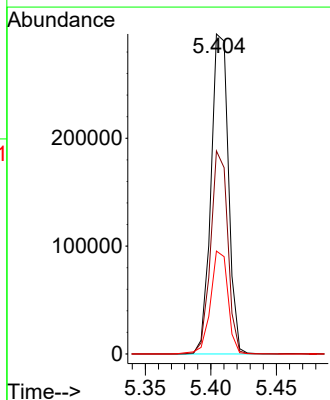
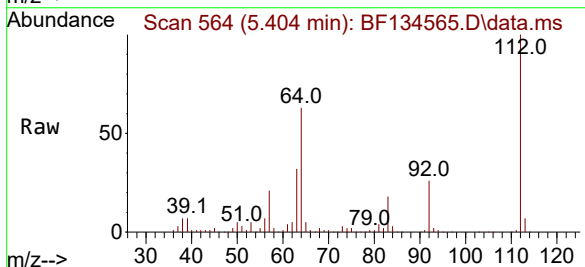
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL

Tgt Ion:152 Resp: 176047
Ion Ratio Lower Upper
152 100
150 156.6 128.3 192.5
115 63.0 52.4 78.6



#5
2-Fluorophenol
Concen: 23.751 ng
RT: 5.404 min Scan# 564
Delta R.T. -0.012 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

Tgt Ion:112 Resp: 275066
Ion Ratio Lower Upper
112 100
64 63.4 44.9 67.3
63 32.2 25.4 38.0

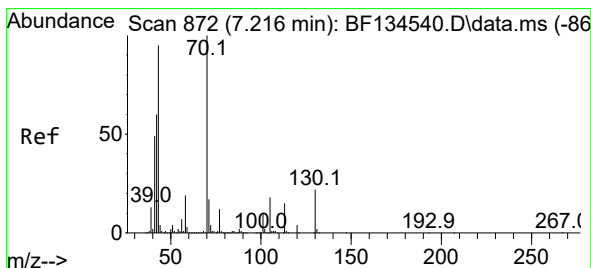
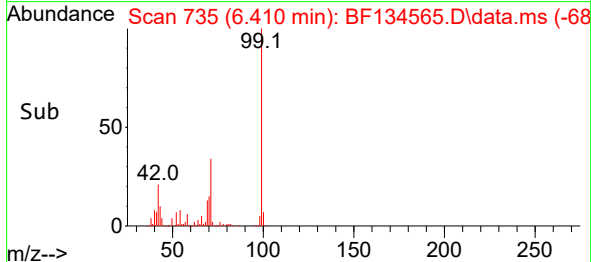
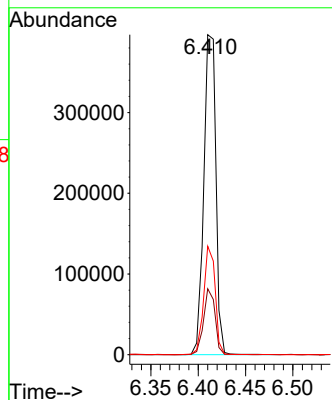
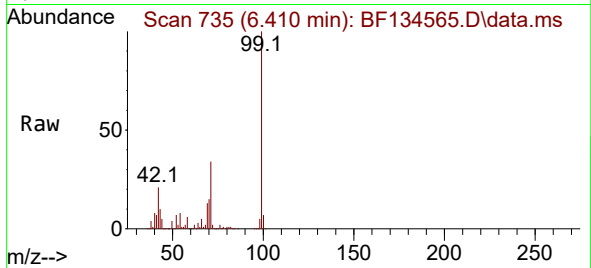




#7
Phenol-d6
Concen: 23.775 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

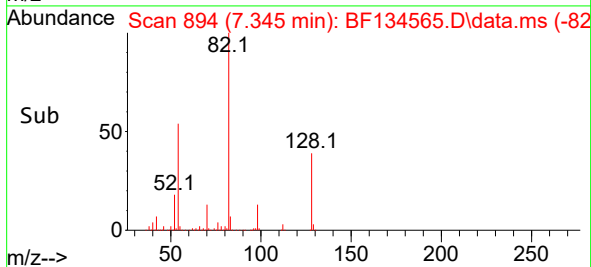
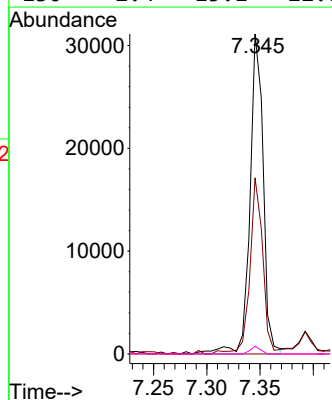
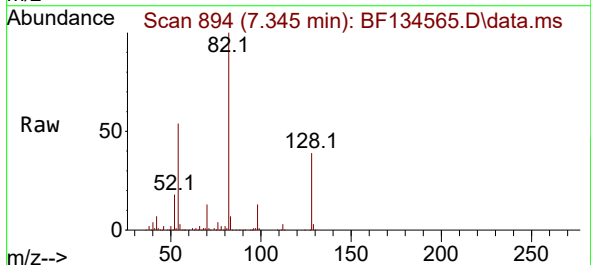
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL

Tgt Ion: 99 Resp: 351976
Ion Ratio Lower Upper
99 100
42 20.6 18.7 28.1
71 33.9 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 3.063 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.130 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

Tgt Ion: 70 Resp: 27151
Ion Ratio Lower Upper
70 100
42 55.1 54.7 82.1
101 0.0 8.2 12.2#
130 2.4 15.1 22.7#

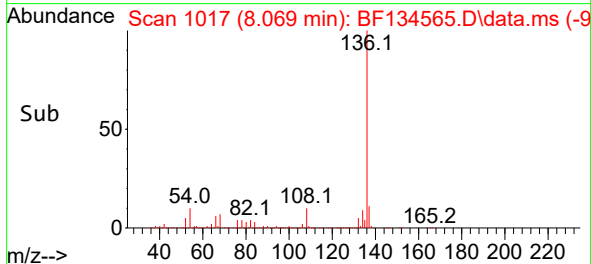
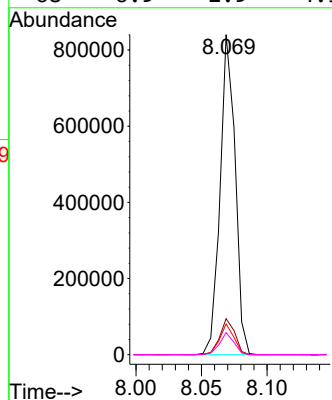
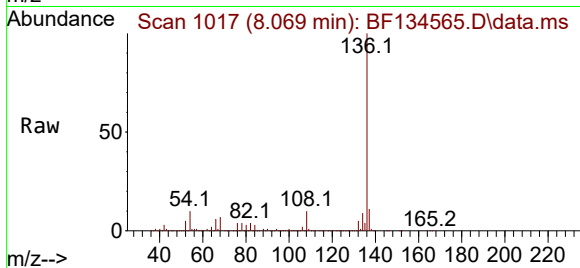




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

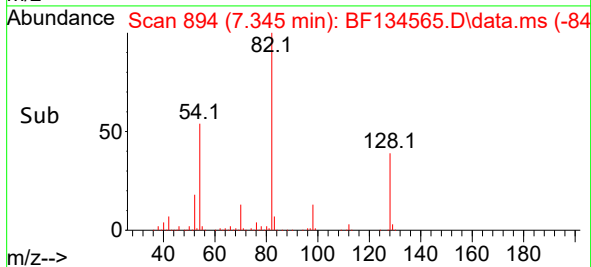
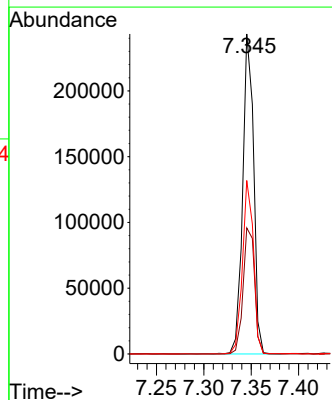
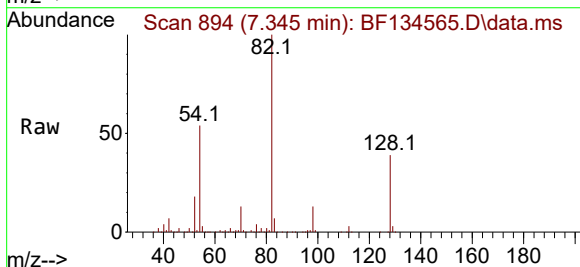
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL

Tgt Ion:	136	Resp:	669108
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.6	5.2	7.8#
68	6.9	2.9	4.3#



#23
Nitrobenzene-d5
Concen: 18.251 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

Tgt Ion:	82	Resp:	195417
Ion	Ratio	Lower	Upper
82	100		
128	39.4	34.3	51.5
54	54.2	43.8	65.6

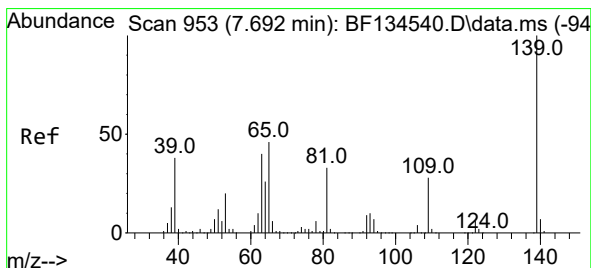
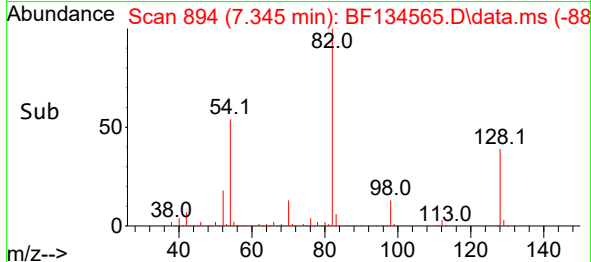
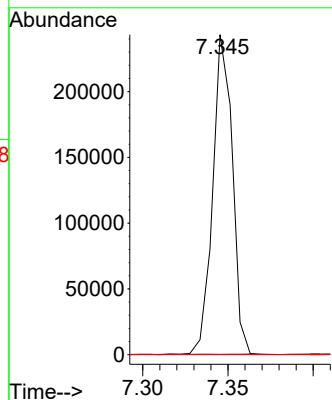
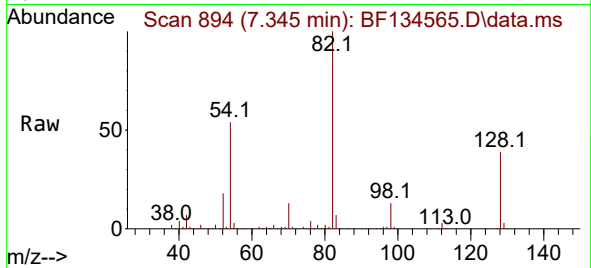




#25
Isophorone
Concen: 8.322 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

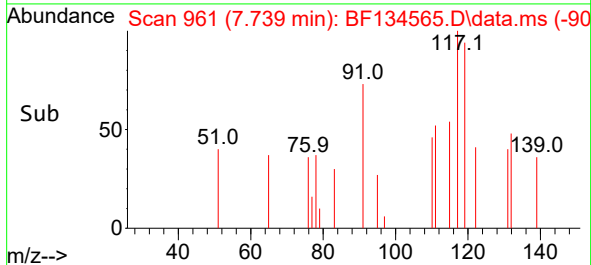
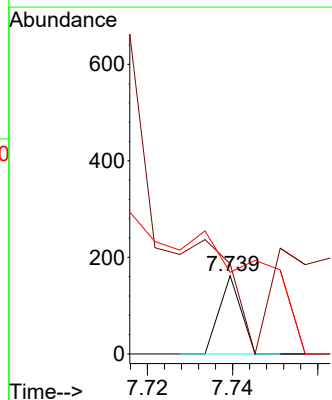
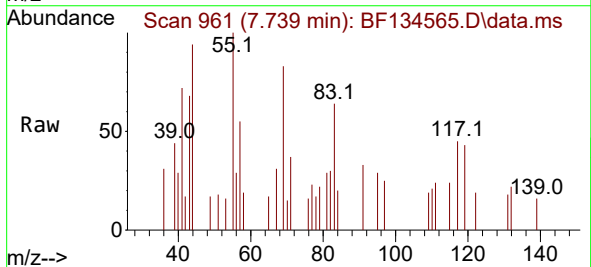
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL

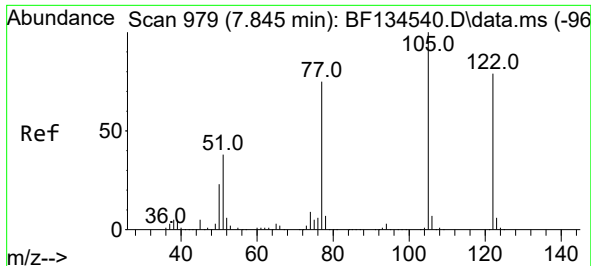
Tgt Ion: 82 Resp: 194348
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.803 ng
RT: 7.739 min Scan# 961
Delta R.T. 0.047 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

Tgt Ion:139 Resp: 57
Ion Ratio Lower Upper
139 100
109 115.4 29.8 44.6#
65 104.3 45.4 68.2#





#32

Benzoic acid

Concen: 7.893 ng

RT: 7.857 min Scan# 9

Delta R.T. 0.012 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Instrument :

BNA_F

ClientSampleId :

SB-10-(0.5-2.0)DL

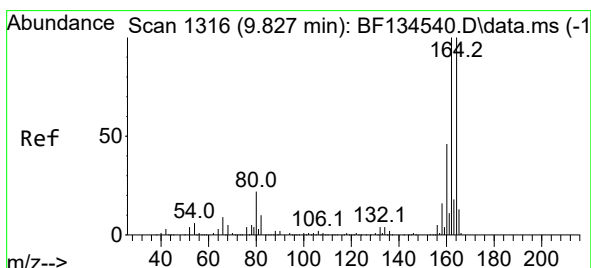
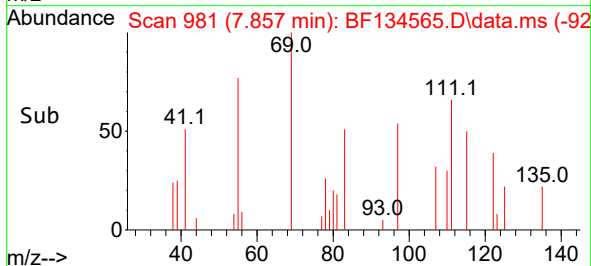
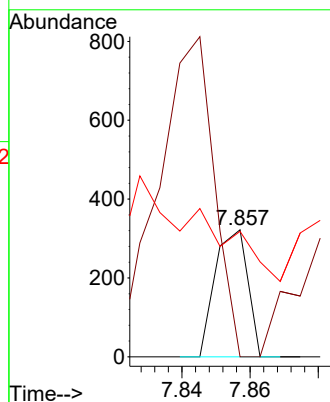
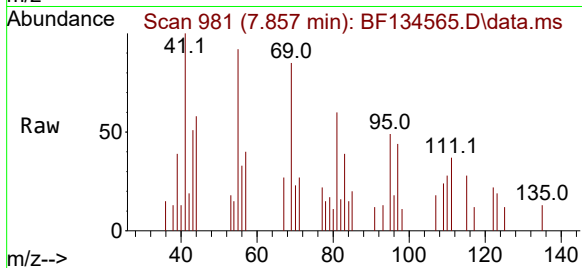
Tgt Ion:122 Resp: 213

Ion Ratio Lower Upper

122 100

105 0.0 87.5 127.5#

77 98.8 71.4 111.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

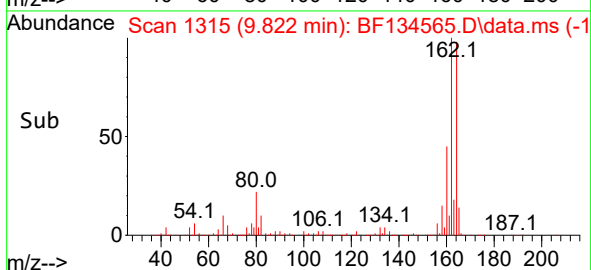
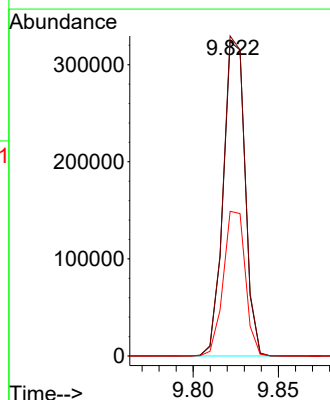
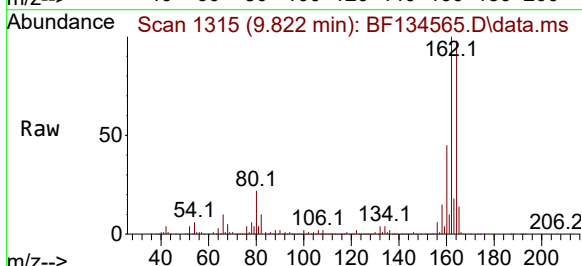
Tgt Ion:164 Resp: 288095

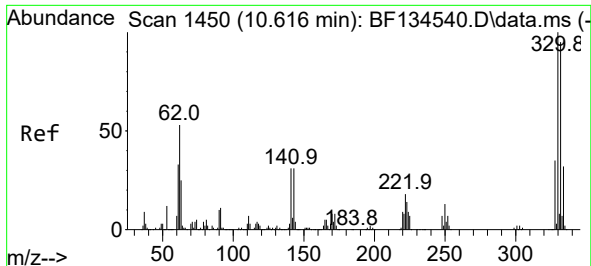
Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

160 46.0 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 20.739 ng

RT: 10.610 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Instrument :

BNA_F

ClientSampleId :

SB-10-(0.5-2.0)DL

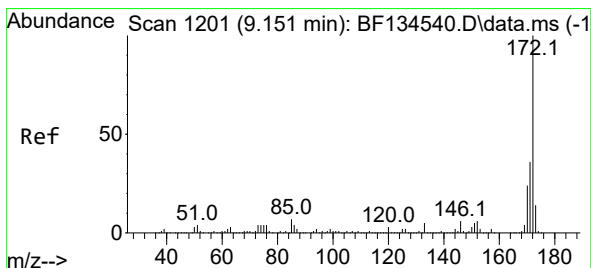
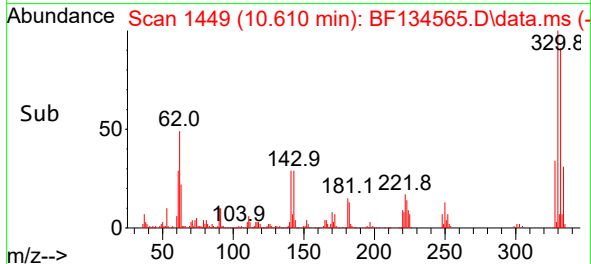
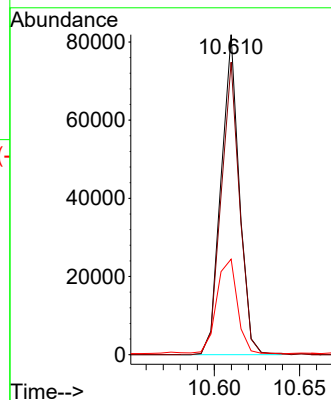
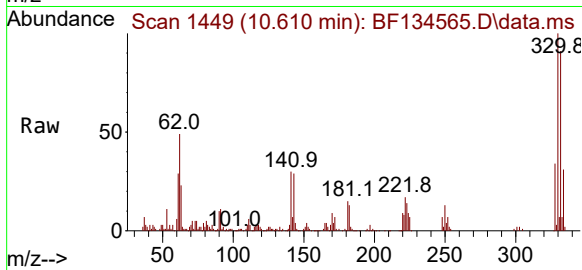
Tgt Ion:330 Resp: 60908

Ion Ratio Lower Upper

330 100

332 93.0 78.8 118.2

141 33.8 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 21.131 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

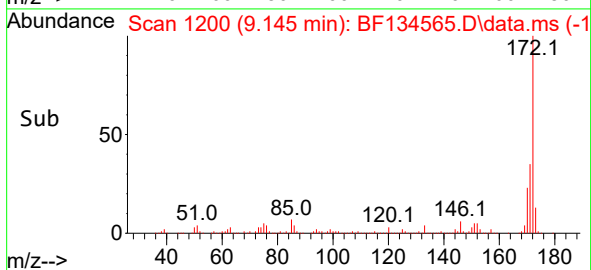
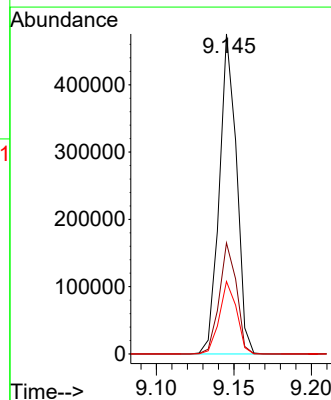
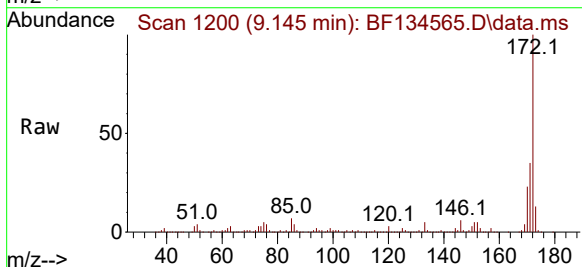
Tgt Ion:172 Resp: 366138

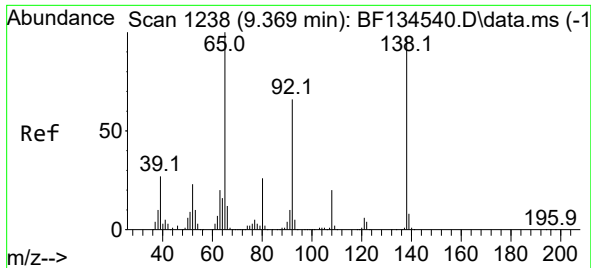
Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

170 22.6 18.7 28.1

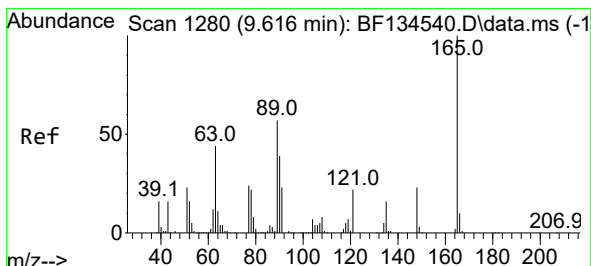
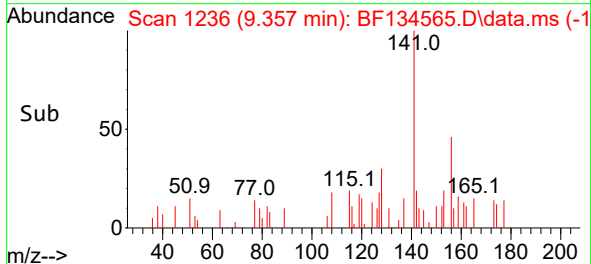
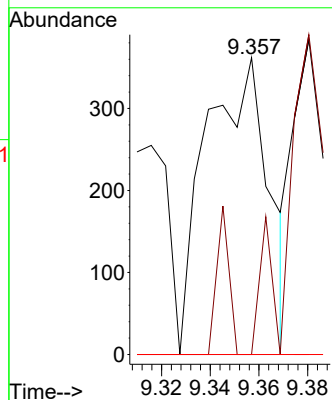
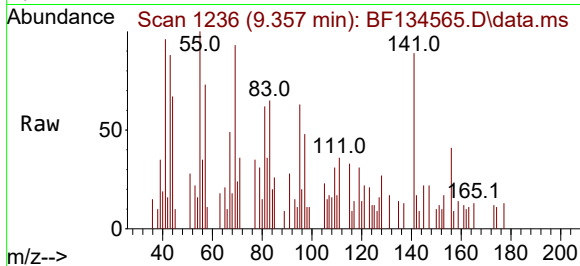




#48
2-Nitroaniline
Concen: 3.282 ng
RT: 9.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

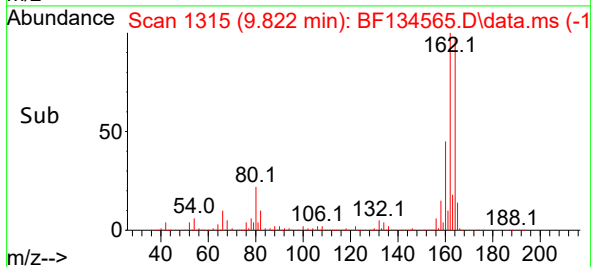
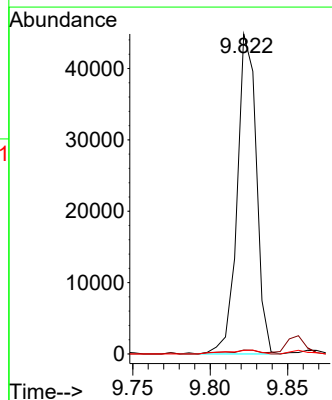
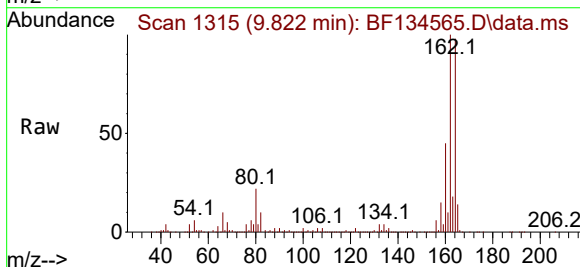
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL

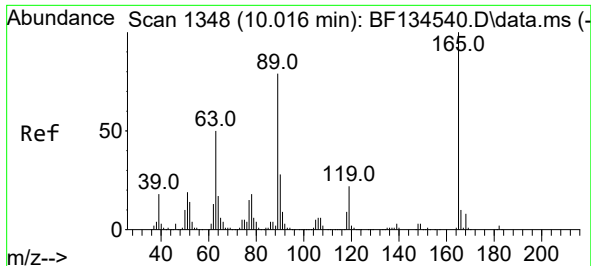
Tgt Ion: 65 Resp: 647
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 0.0 78.2 117.4#



#51
2,6-Dinitrotoluene
Concen: 11.584 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

Tgt Ion: 165 Resp: 38568
Ion Ratio Lower Upper
165 100
63 1.3 57.8 86.6#
89 1.1 51.8 77.8#

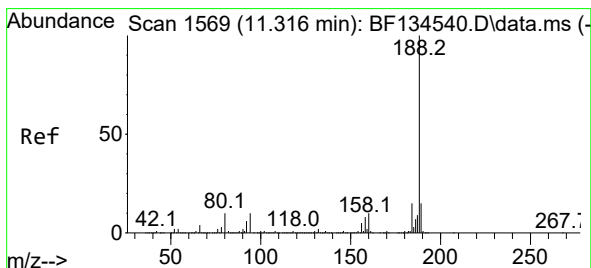
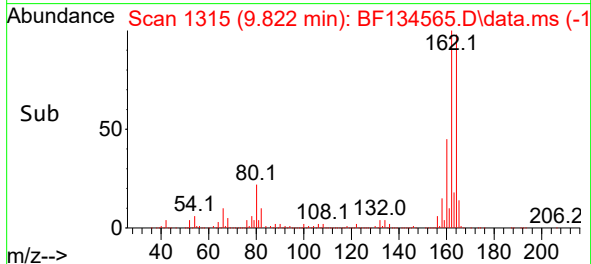
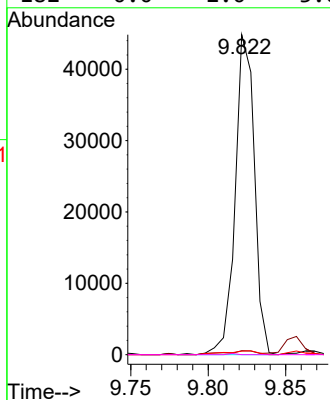
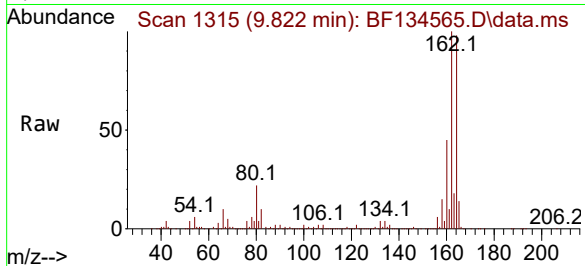




#57
2,4-Dinitrotoluene
Concen: 10.316 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

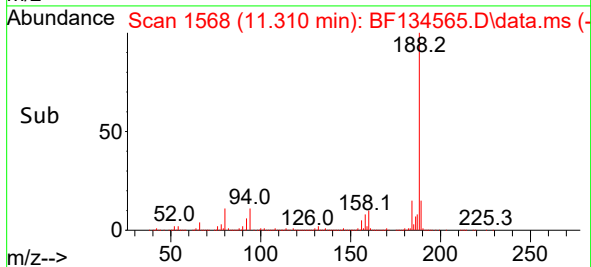
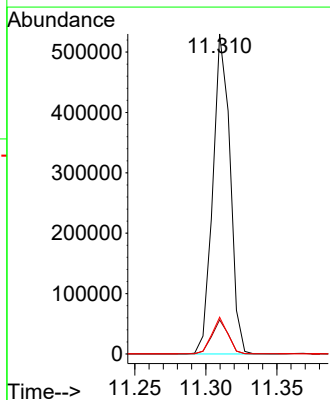
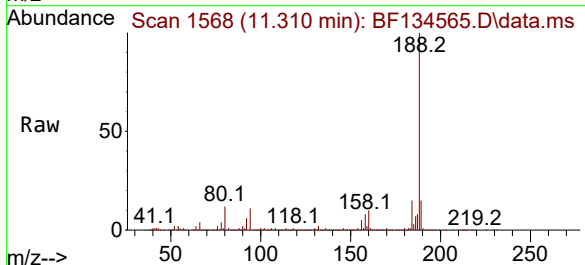
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL

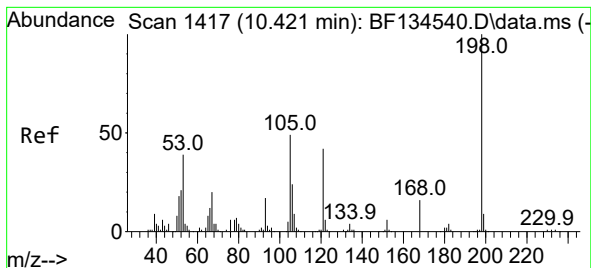
Tgt Ion:165 Resp: 38568
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.1 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

Tgt Ion:188 Resp: 446577
Ion Ratio Lower Upper
188 100
94 10.7 5.1 7.7#
80 11.5 6.6 9.8#

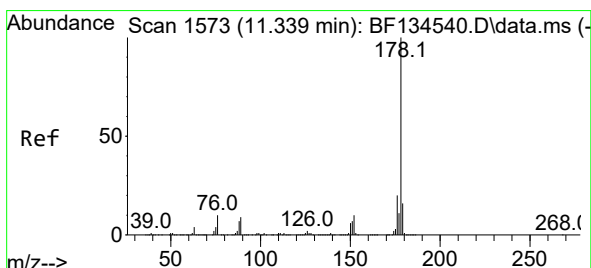
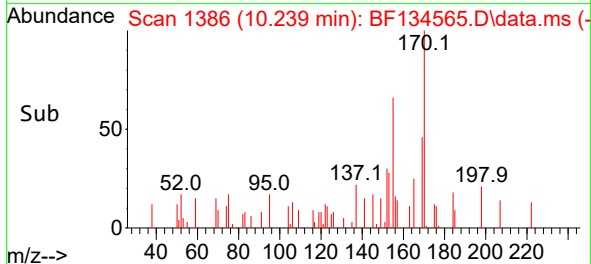
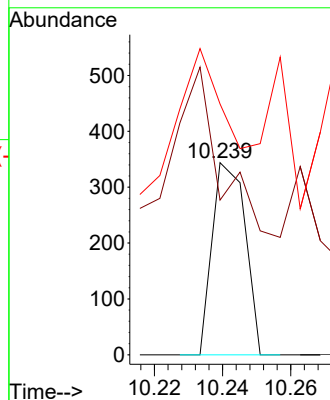
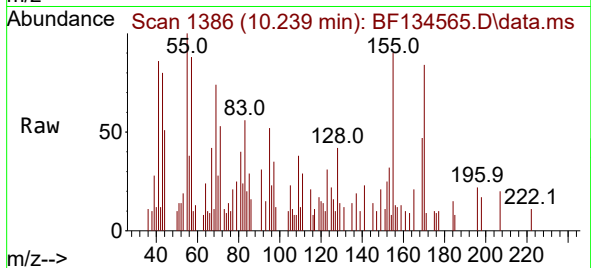




#65
4,6-Dinitro-2-methylphenol
Concen: 8.803 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

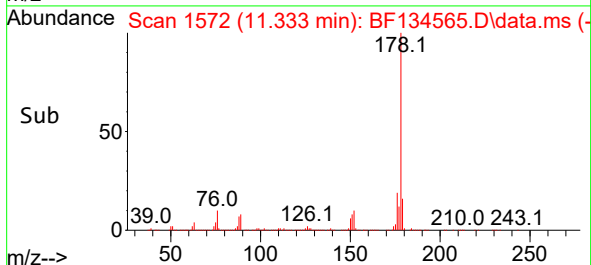
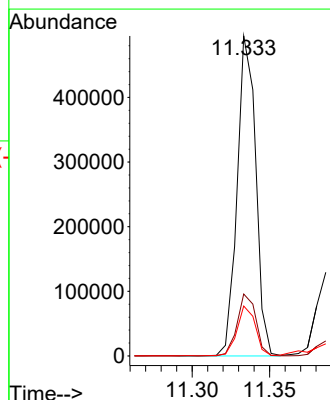
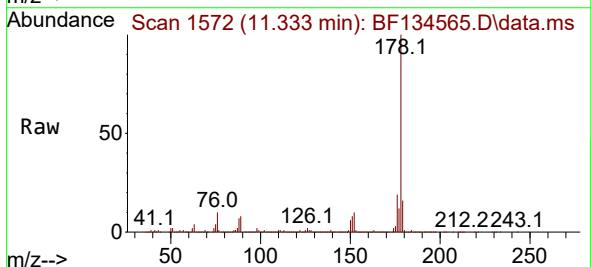
Instrument :
BNA_F
ClientSampleId :
SB-10-(0.5-2.0)DL

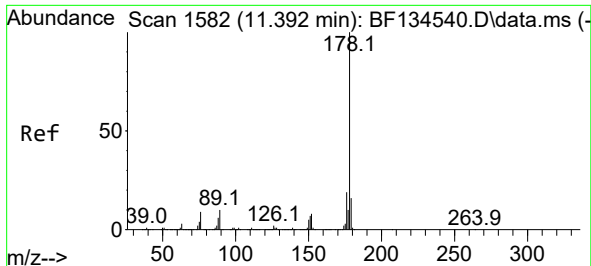
Tgt Ion:198 Resp: 230
Ion Ratio Lower Upper
198 100
51 80.5 38.6 78.6#
105 130.5 27.9 67.9#



#71
Phenanthrene
Concen: 17.438 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF134565.D
Acq: 02 Aug 2023 00:09

Tgt Ion:178 Resp: 413642
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.6 12.7 19.1

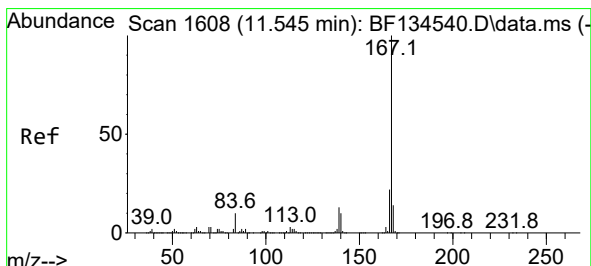
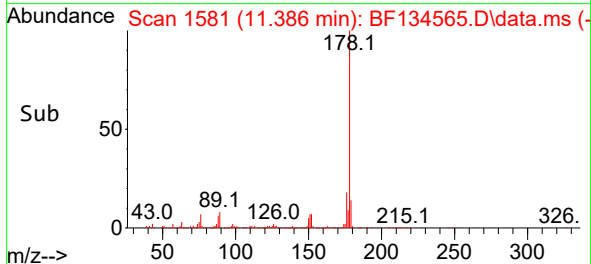
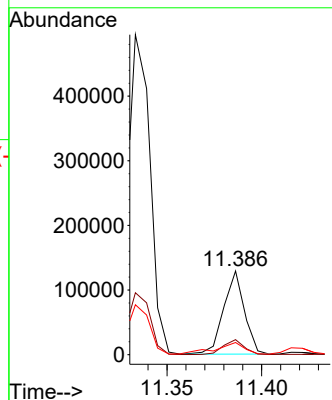
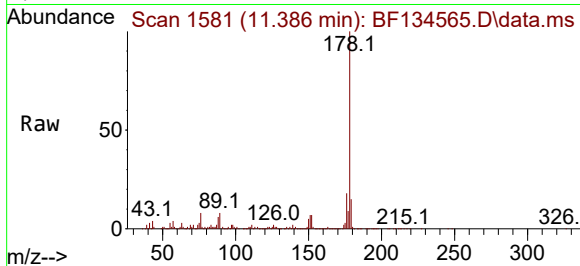




#72
 Anthracene
 Concen: 4.057 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134565.D
 Acq: 02 Aug 2023 00:09

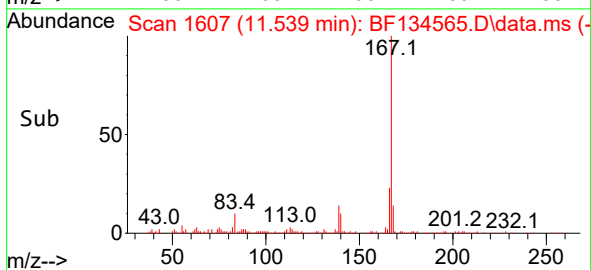
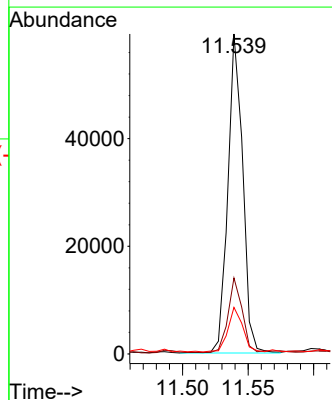
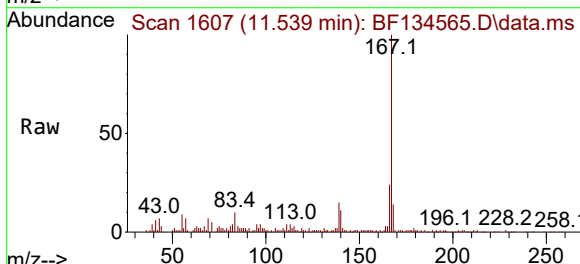
Instrument :
 BNA_F
 ClientSampleId :
 SB-10-(0.5-2.0)DL

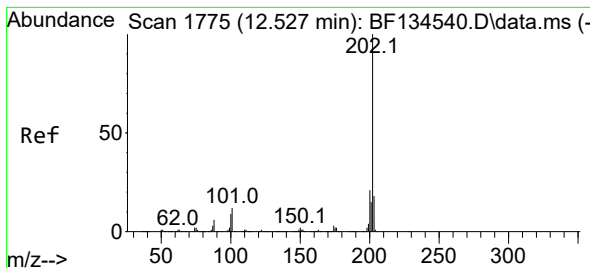
Tgt Ion:178 Resp: 98309
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 21.8
 179 14.6 12.3 18.5



#73
 Carbazole
 Concen: 2.148 ng
 RT: 11.539 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF134565.D
 Acq: 02 Aug 2023 00:09

Tgt Ion:167 Resp: 46460
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.5 26.3
 139 14.6 11.0 16.4





#75

Fluoranthene

Concen: 21.800 ng

RT: 12.527 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Instrument :

BNA_F

ClientSampleId :

SB-10-(0.5-2.0)DL

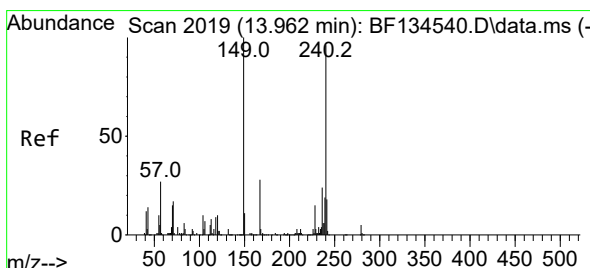
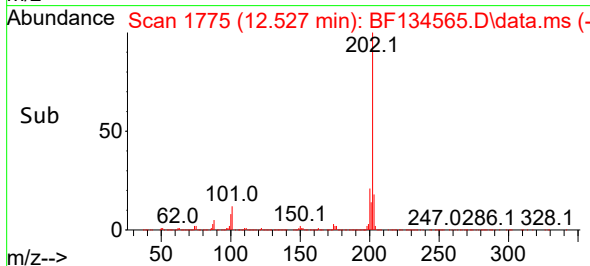
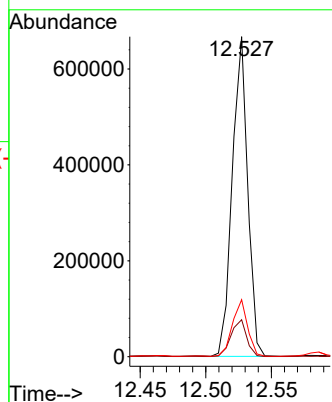
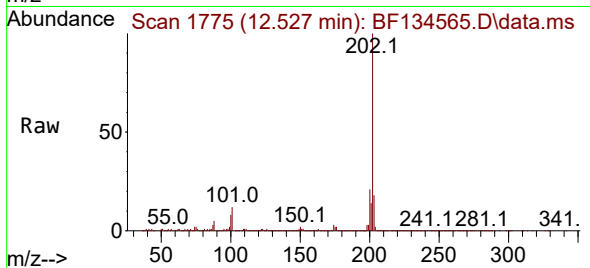
Tgt Ion:202 Resp: 546233

Ion Ratio Lower Upper

202 100

101 11.5 0.0 28.5

203 17.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

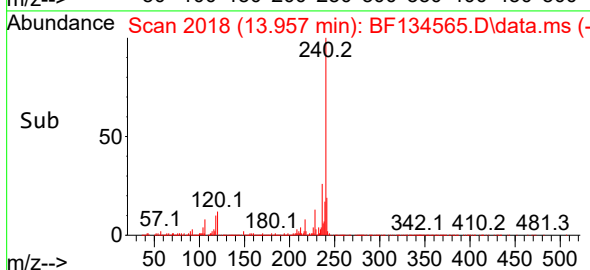
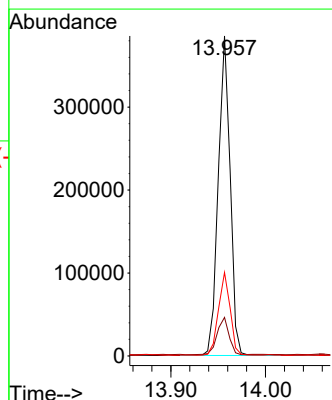
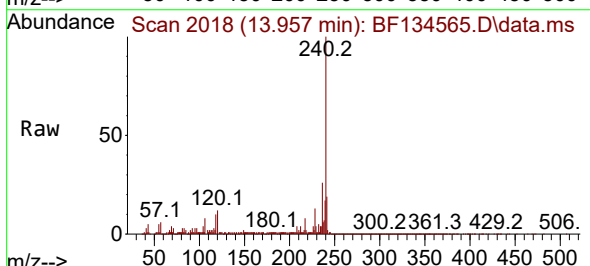
Tgt Ion:240 Resp: 335956

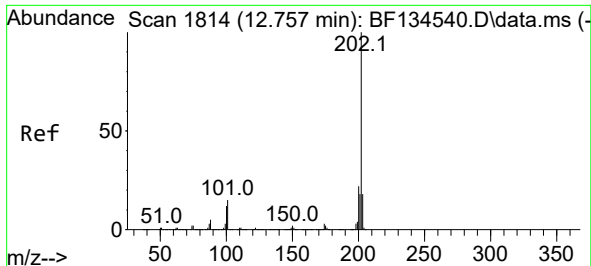
Ion Ratio Lower Upper

240 100

120 12.1 6.6 10.0#

236 26.1 20.2 30.2

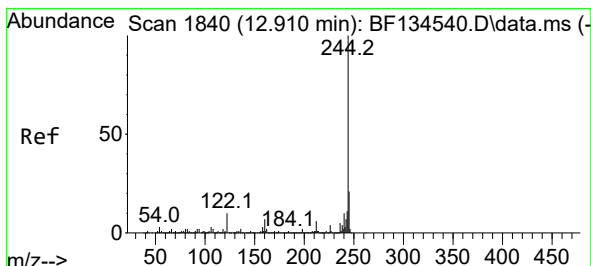
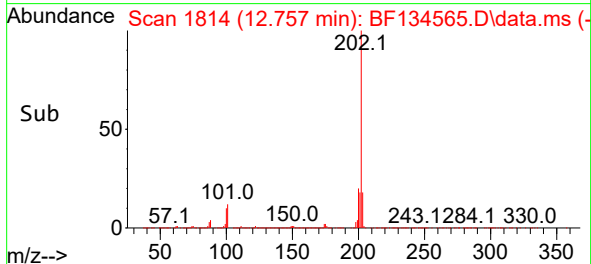
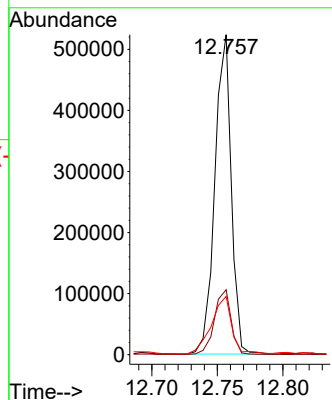
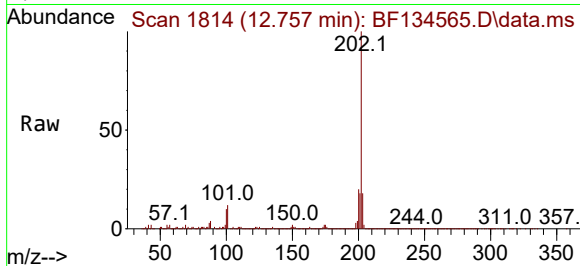




#78
 Pyrene
 Concen: 15.593 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. 0.000 min
 Lab File: BF134565.D
 Acq: 02 Aug 2023 00:09

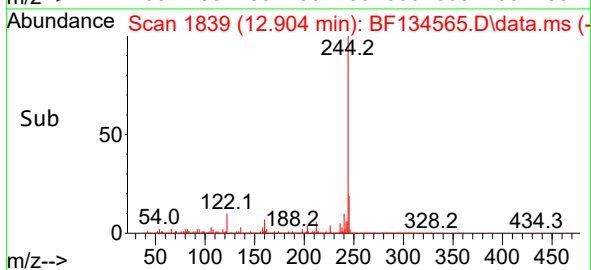
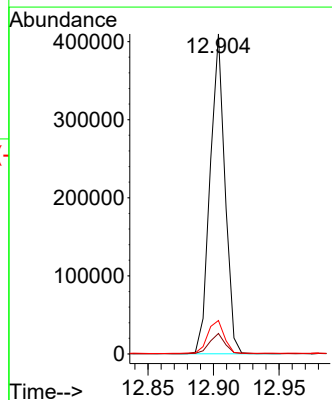
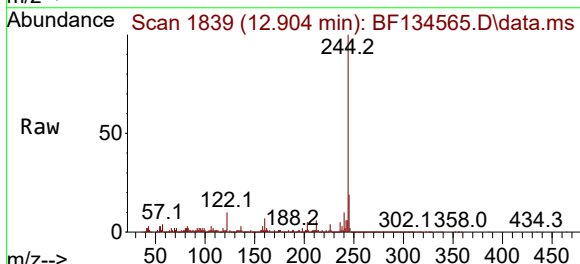
Instrument :
 BNA_F
 ClientSampleId :
 SB-10-(0.5-2.0)DL

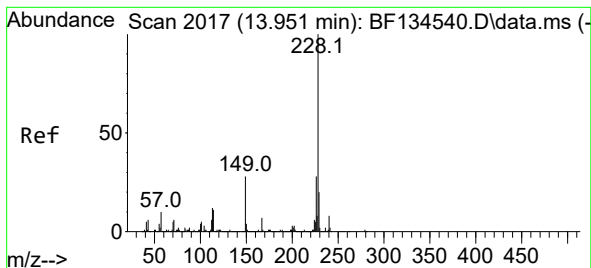
Tgt Ion:202 Resp: 453292
 Ion Ratio Lower Upper
 202 100
 200 20.3 15.8 23.8
 203 18.2 13.5 20.3



#79
 Terphenyl-d14
 Concen: 16.951 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF134565.D
 Acq: 02 Aug 2023 00:09

Tgt Ion:244 Resp: 323050
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.4 8.0 12.0





#81

Benzo(a)anthracene

Concen: 9.872 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Instrument :

BNA_F

ClientSampleId :

SB-10-(0.5-2.0)DL

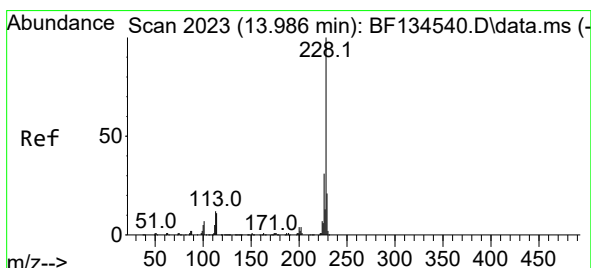
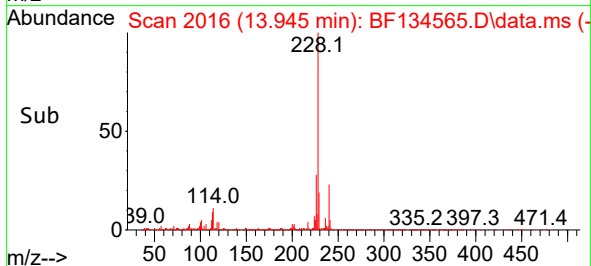
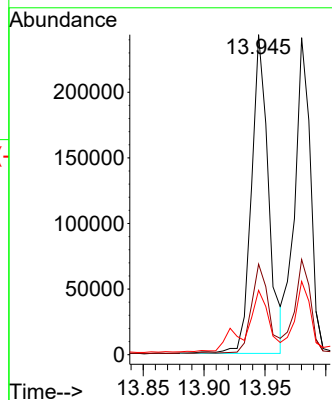
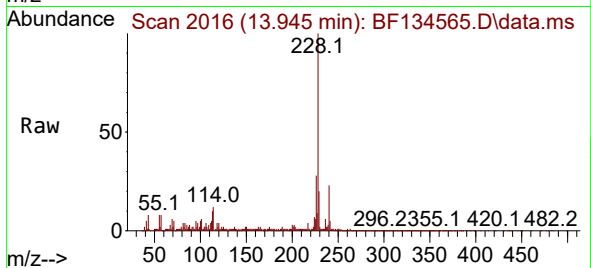
Tgt Ion:228 Resp: 237138

Ion Ratio Lower Upper

228 100

226 28.3 22.3 33.5

229 20.1 15.8 23.6



#83

Chrysene

Concen: 9.269 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

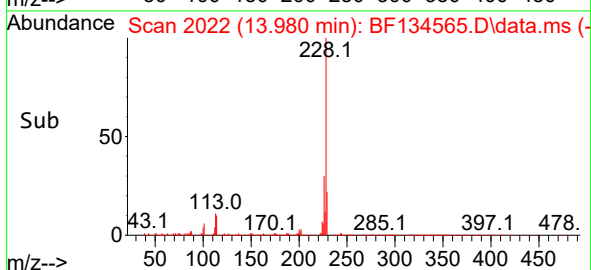
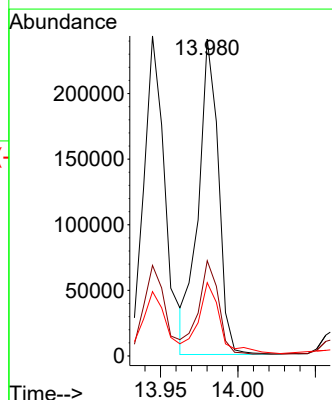
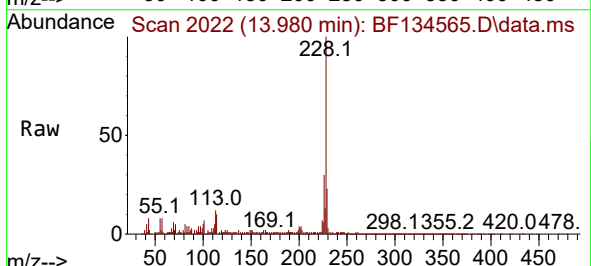
Tgt Ion:228 Resp: 216941

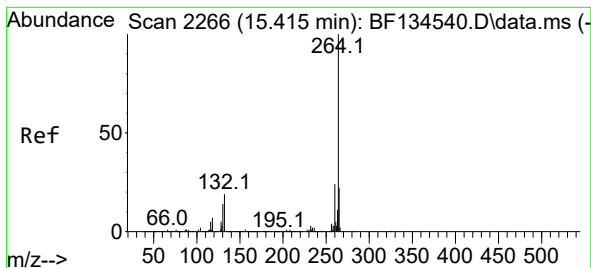
Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

229 23.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Instrument :

BNA_F

ClientSampleId :

SB-10-(0.5-2.0)DL

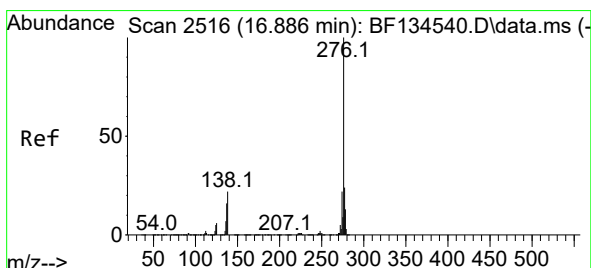
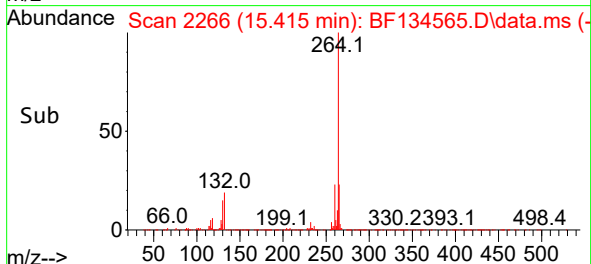
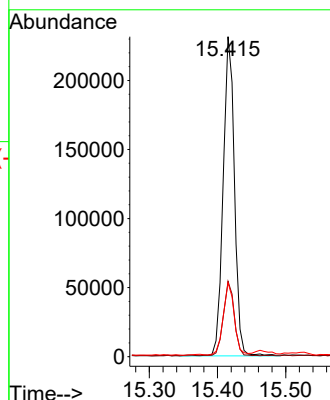
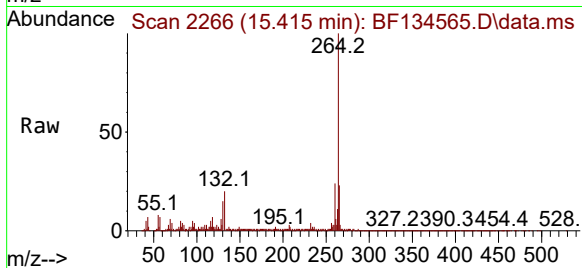
Tgt Ion:264 Resp: 267080

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 23.1 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.846 ng

RT: 16.880 min Scan# 2515

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

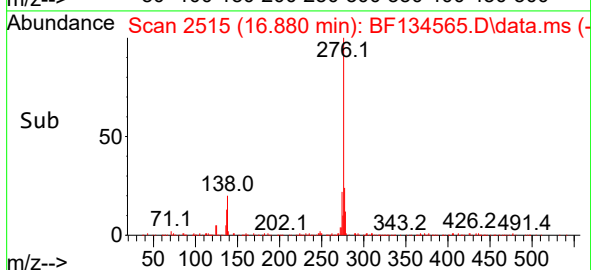
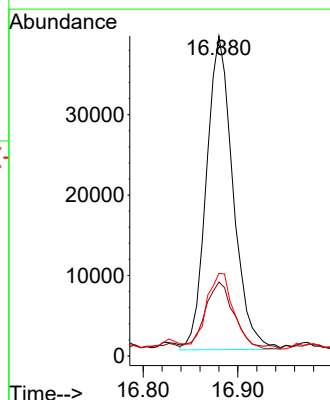
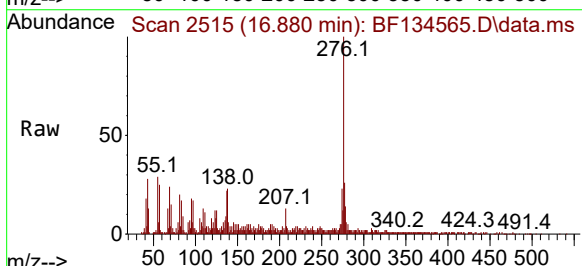
Tgt Ion:276 Resp: 76120

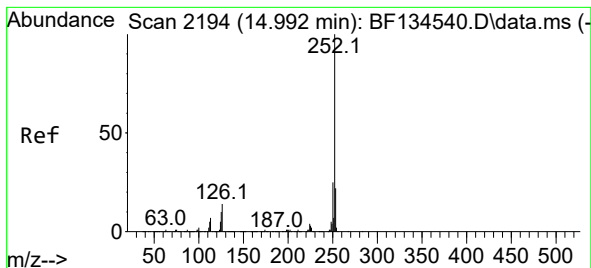
Ion Ratio Lower Upper

276 100

138 23.3 14.2 21.4#

277 24.9 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 17.753 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Instrument :

BNA_F

ClientSampleId :

SB-10-(0.5-2.0)DL

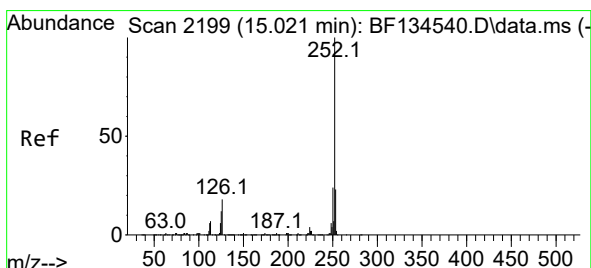
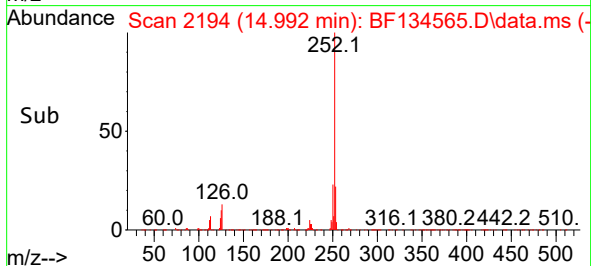
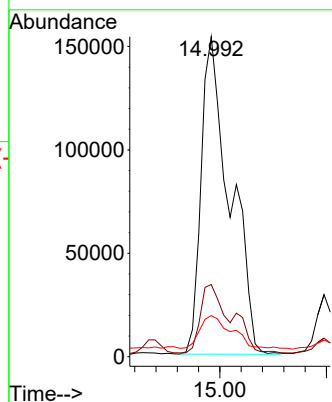
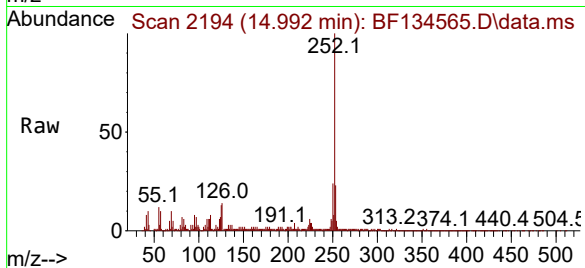
Tgt Ion:252 Resp: 289174

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 12.8 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 17.821 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.029 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

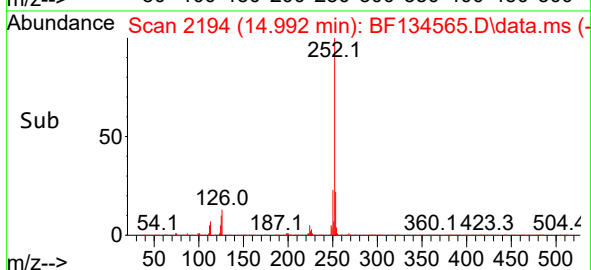
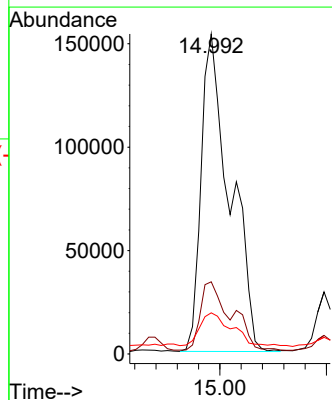
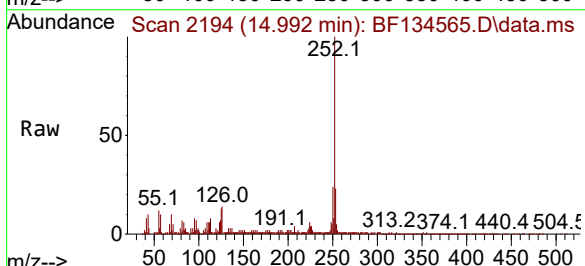
Tgt Ion:252 Resp: 289174

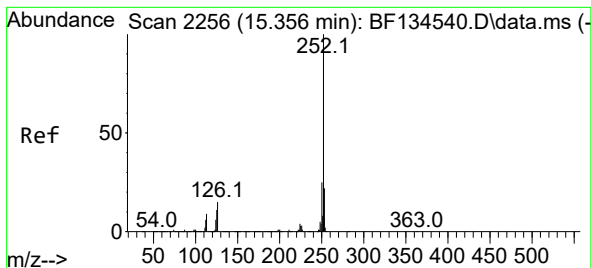
Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

125 12.8 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 8.851 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Instrument :

BNA_F

ClientSampleId :

SB-10-(0.5-2.0)DL

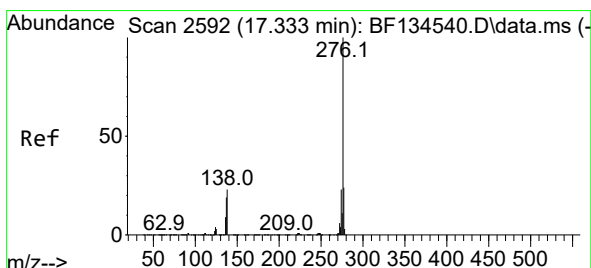
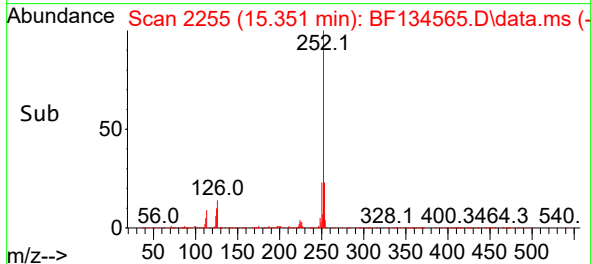
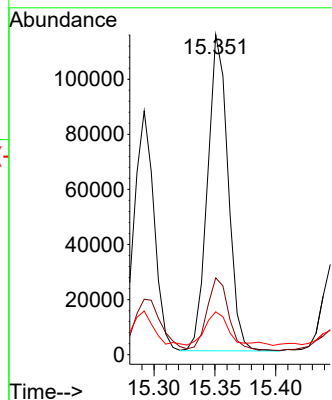
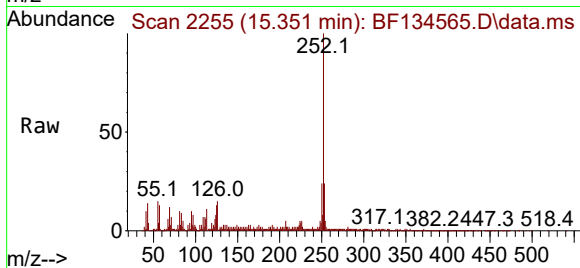
Tgt Ion:252 Resp: 134432

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.4

125 13.4 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 5.746 ng

RT: 17.327 min Scan# 2591

Delta R.T. -0.006 min

Lab File: BF134565.D

Acq: 02 Aug 2023 00:09

Tgt Ion:276 Resp: 74407

Ion Ratio Lower Upper

276 100

277 26.1 19.0 28.6

138 23.2 12.2 18.2#

