

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
 Data File : BF134620.D
 Acq On : 03 Aug 2023 19:25
 Operator : CG\JU
 Sample : 03598-12DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 01:10:57 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)

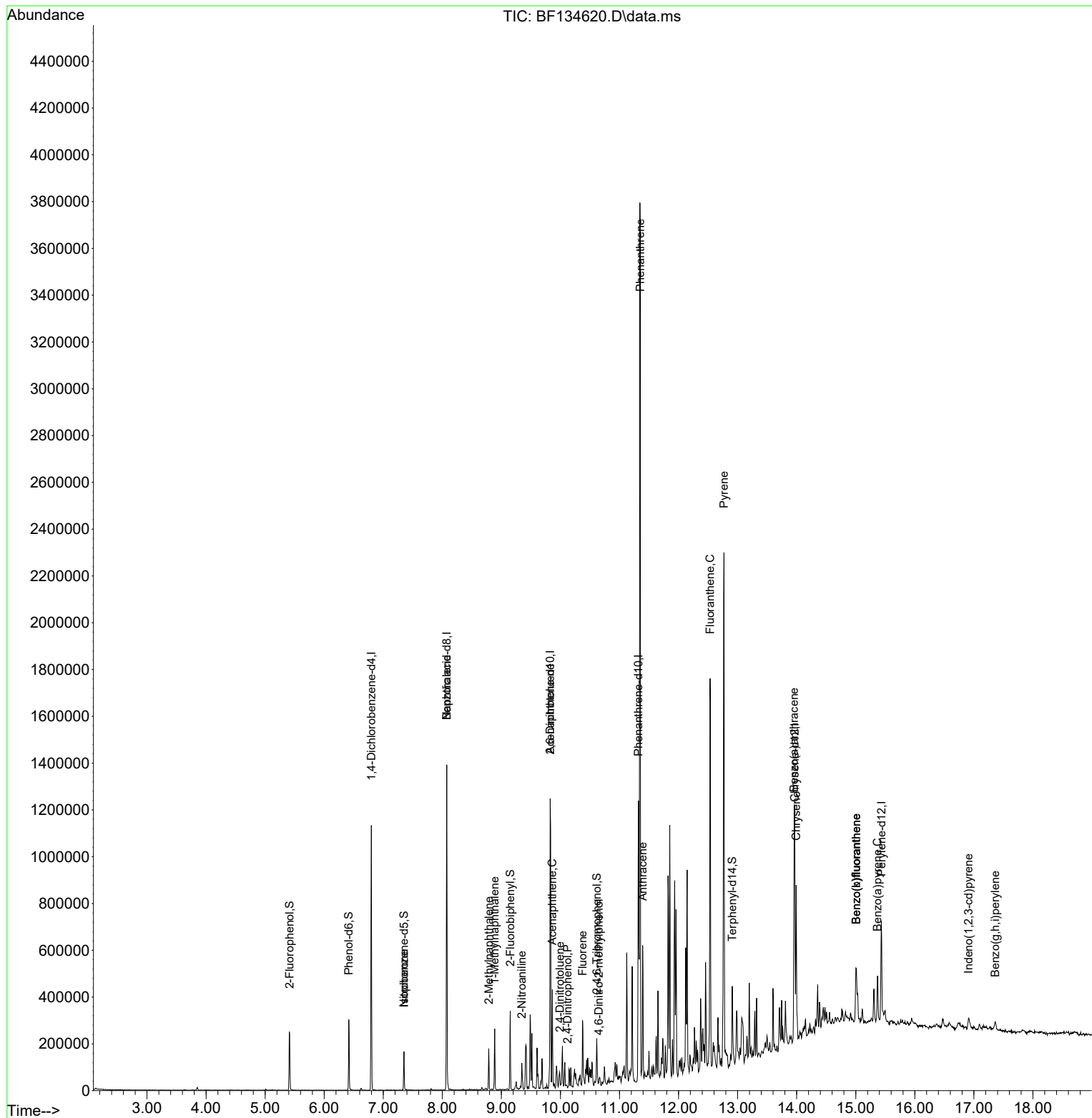
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	148643	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	533000	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	243818	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	448516	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	246069	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	211922	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	67896	6.943	ng	0.00
7) Phenol-d6	6.416	99	86320	6.906	ng	-0.01
23) Nitrobenzene-d5	7.351	82	42767	5.014	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	12220	4.917	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	88292	6.021	ng	0.00
79) Terphenyl-d14	12.910	244	92234	6.608	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	60	Below Cal	#	3
25) Isophorone	7.351	82	42766	2.299	ng	# 65
32) Benzoic acid	8.075	122	56	7.876	ng	# 1
37) 2-Methylnaphthalene	8.786	142	39455	2.222	ng	95
38) 1-Methylnaphthalene	8.886	142	55197	3.343	ng	96
48) 2-Nitroaniline	9.345	65	634	3.300	ng	# 70
51) 2,6-Dinitrotoluene	9.827	165	35116	12.273	ng	# 17
52) Acenaphthene	9.863	154	74944	5.179	ng	98
54) 2,4-Dinitrophenol	10.122	184	178	6.956	ng	# 13
57) 2,4-Dinitrotoluene	9.992	165	2083	3.327	ng	# 35
58) Fluorene	10.374	166	66510	4.432	ng	96
65) 4,6-Dinitro-2-methylph...	10.651	198	399	8.879	ng	# 1
71) Phenanthrene	11.351	178	1539086	64.604	ng	99
72) Anthracene	11.392	178	209690	8.617	ng	99
75) Fluoranthene	12.533	202	665449	26.444	ng	96
78) Pyrene	12.768	202	938309	44.067	ng	97
81) Benzo(a)anthracene	13.957	228	271013	15.403	ng	99
83) Chrysene	13.992	228	233904	13.645	ng	99
87) Indeno(1,2,3-cd)pyrene	16.909	276	36970	2.966	ng	# 94
88) Benzo(b)fluoranthene	15.009	252	177333	13.720	ng	# 94
89) Benzo(k)fluoranthene	15.009	252	177333	13.773	ng	# 96
90) Benzo(a)pyrene	15.368	252	97393	8.082	ng	# 95
92) Benzo(g,h,i)perylene	17.362	276	35527	3.458	ng	# 88

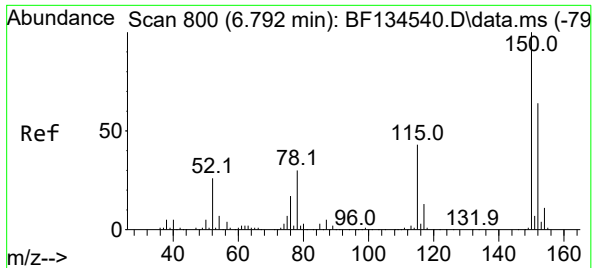
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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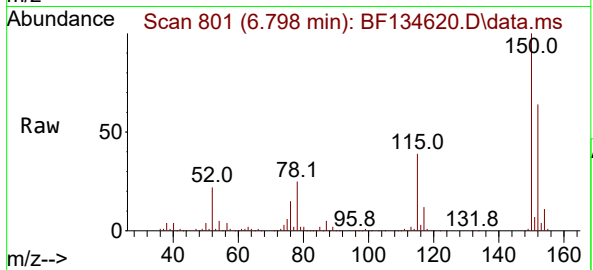
Quant Time: Aug 04 01:10:57 2023
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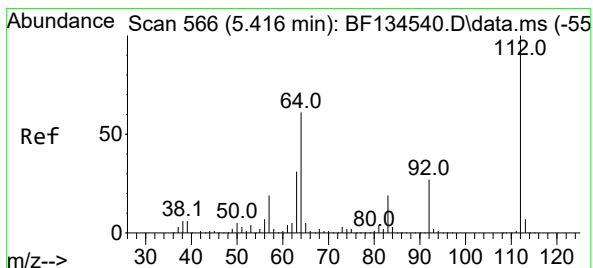
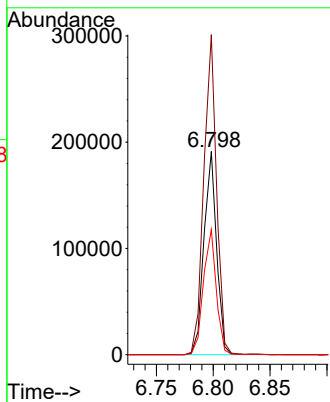
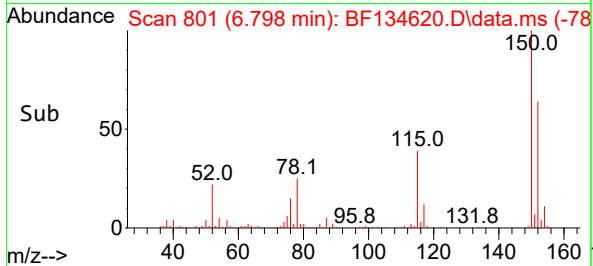


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: BF134620.D
 Acq: 03 Aug 2023 19:25

Instrument :
 BNA_F
 ClientSampleId :

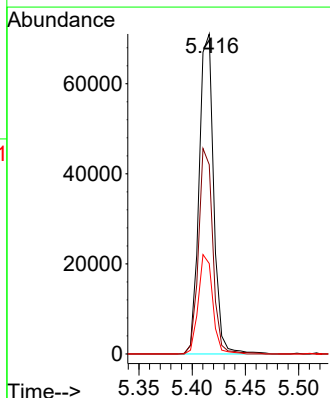
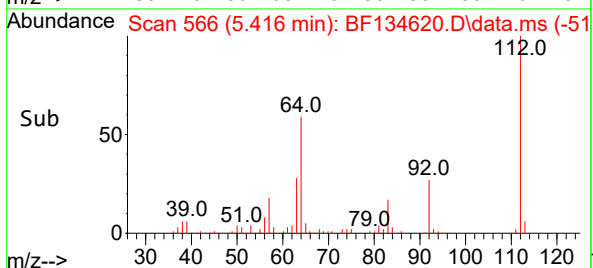
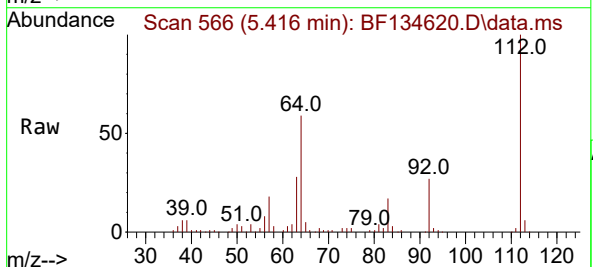


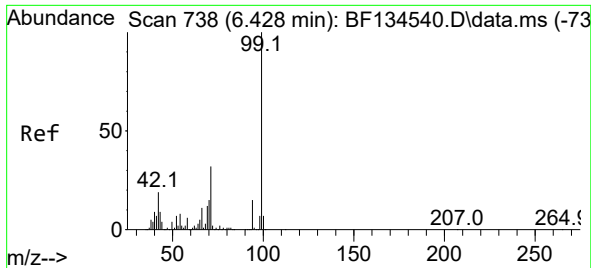
Tgt Ion:152 Resp: 148643
 Ion Ratio Lower Upper
 152 100
 150 157.5 128.3 192.5
 115 61.5 52.4 78.6



#5
 2-Fluorophenol
 Concen: 6.943 ng
 RT: 5.416 min Scan# 566
 Delta R.T. 0.000 min
 Lab File: BF134620.D
 Acq: 03 Aug 2023 19:25

Tgt Ion:112 Resp: 67896
 Ion Ratio Lower Upper
 112 100
 64 59.2 44.9 67.3
 63 28.3 25.4 38.0

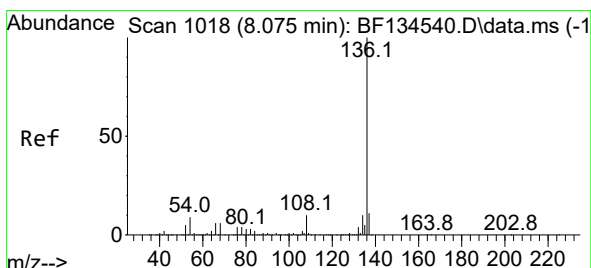
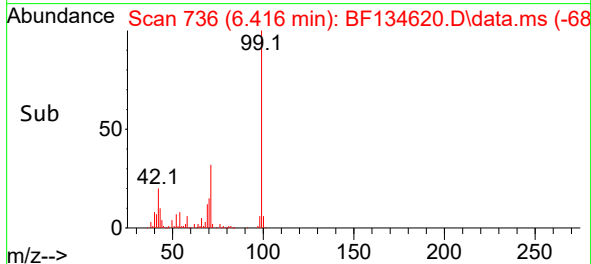
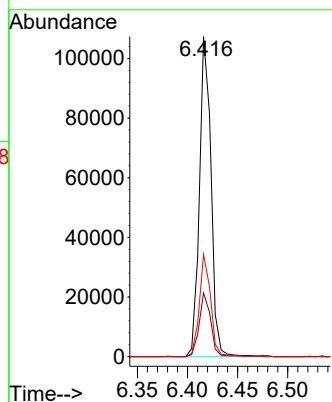
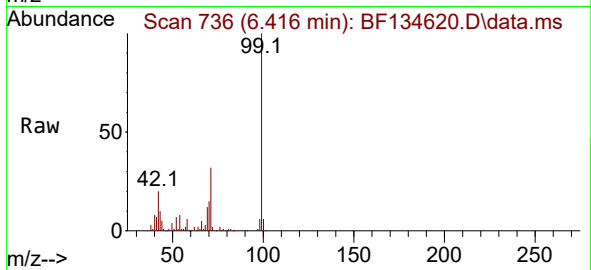




#7
Phenol-d6
Concen: 6.906 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

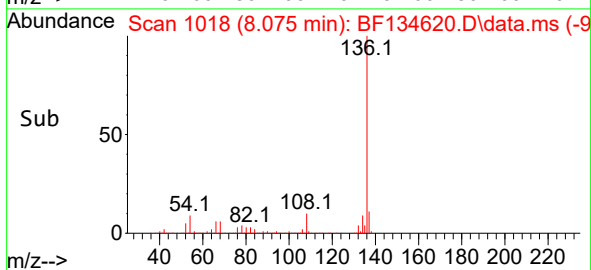
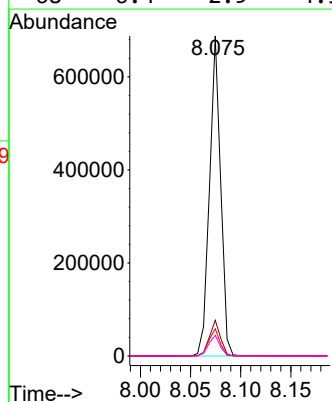
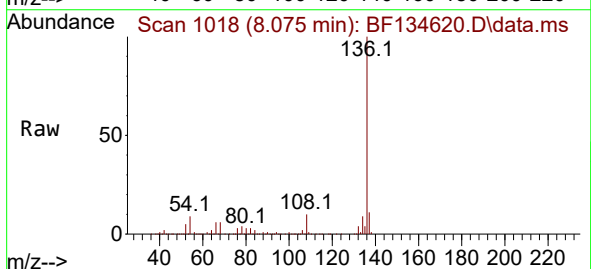
Instrument :
BNA_F
ClientSampleId :

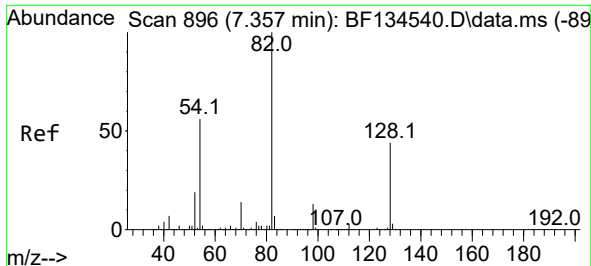
Tgt Ion: 99 Resp: 86320
Ion Ratio Lower Upper
99 100
42 19.9 18.7 28.1
71 32.0 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

Tgt Ion:136 Resp: 533000
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.5 5.2 7.8#
68 6.4 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 5.014 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

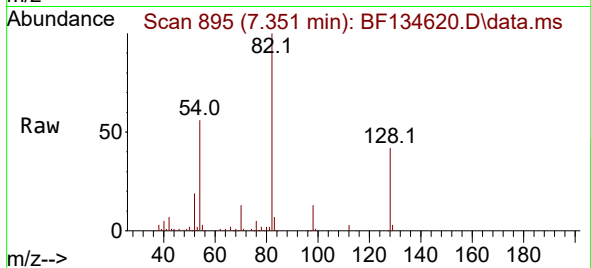
Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :



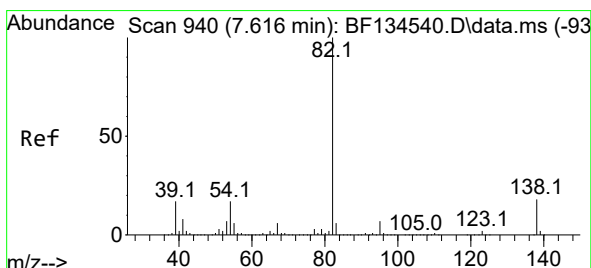
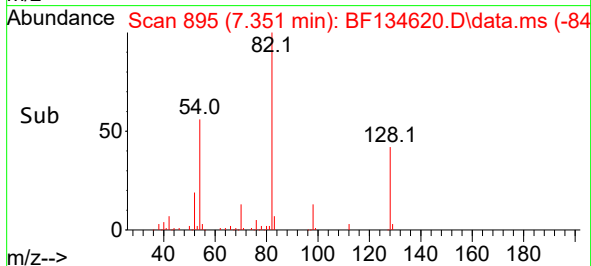
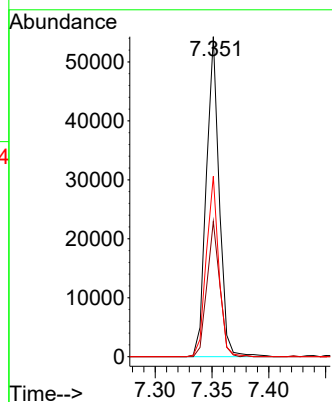
Tgt Ion: 82 Resp: 42767

Ion Ratio Lower Upper

82 100

128 42.3 34.3 51.5

54 56.4 43.8 65.6



#25

Isophorone

Concen: 2.299 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.265 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

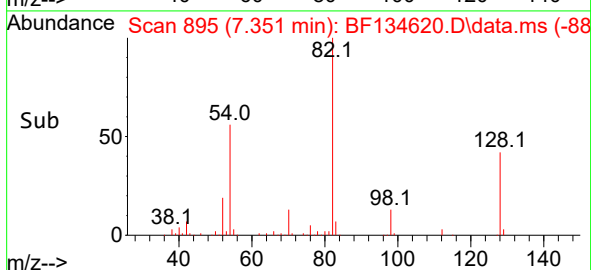
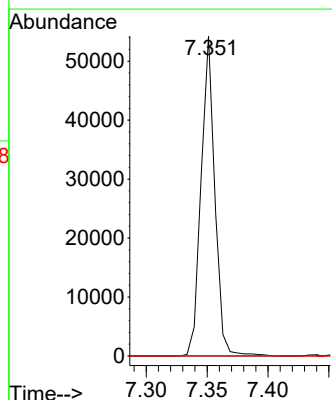
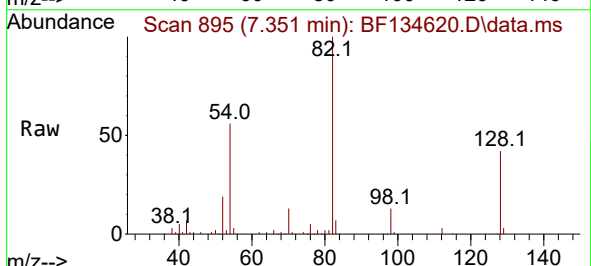
Tgt Ion: 82 Resp: 42766

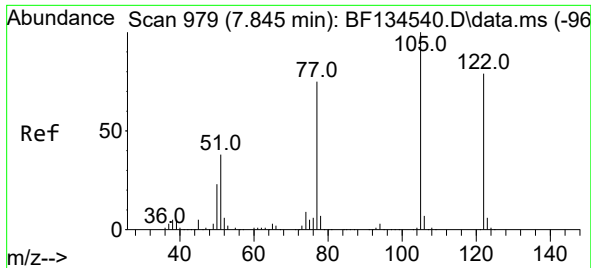
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

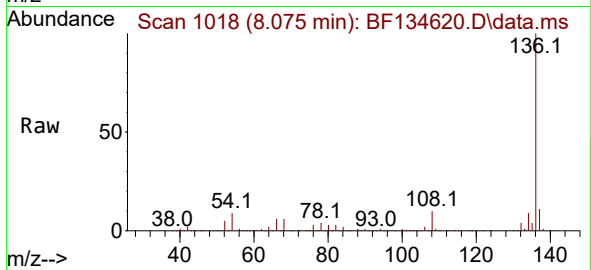
138 0.0 14.6 22.0#



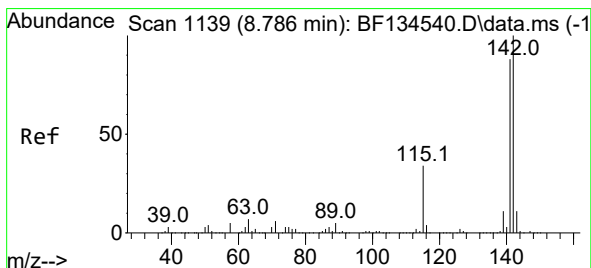
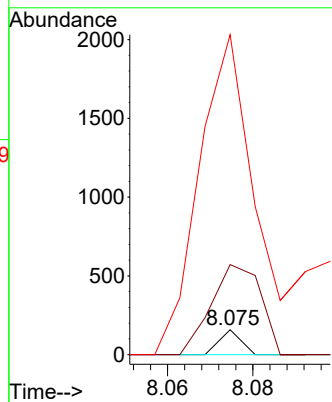
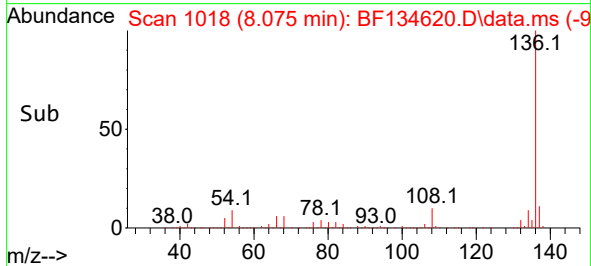


#32
Benzoic acid
Concen: 7.876 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.230 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

Instrument :
BNA_F
ClientSampleId :

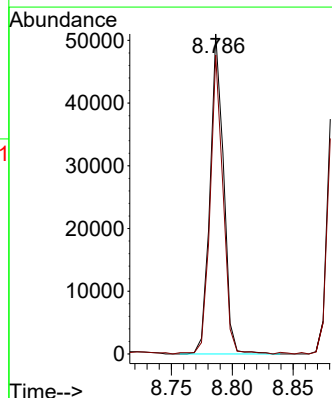
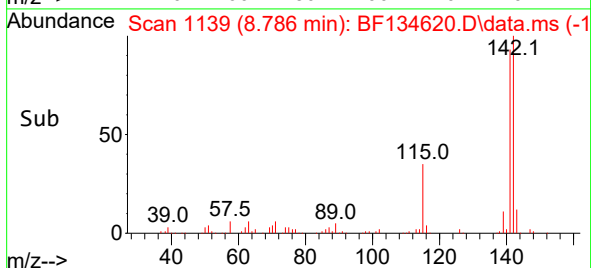
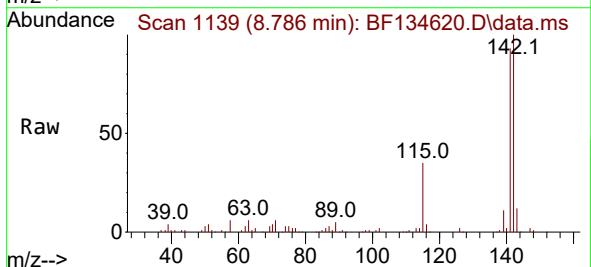


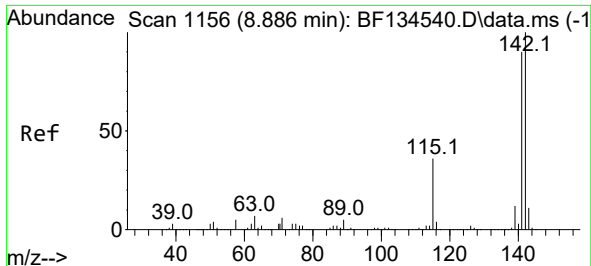
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 362.0 87.5 127.5#
77 1285.4 71.4 111.4#



#37
2-Methylnaphthalene
Concen: 2.222 ng
RT: 8.786 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

Tgt Ion:142 Resp: 39455
Ion Ratio Lower Upper
142 100
141 93.4 70.8 106.2





#38

1-Methylnaphthalene

Concen: 3.343 ng

RT: 8.886 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

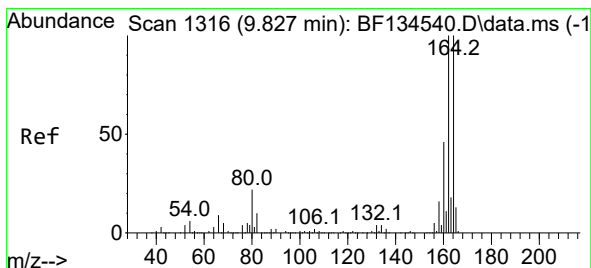
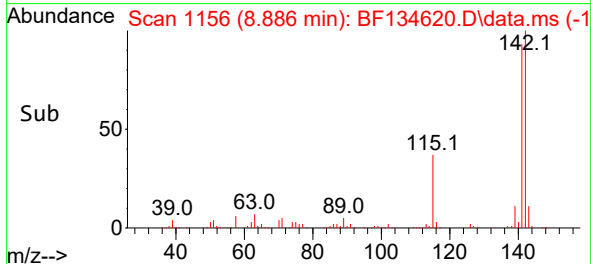
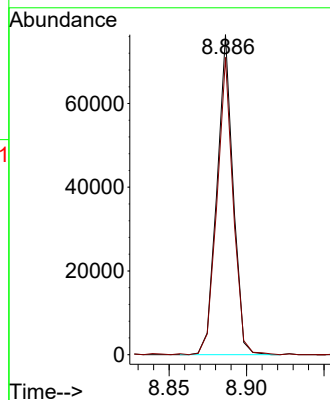
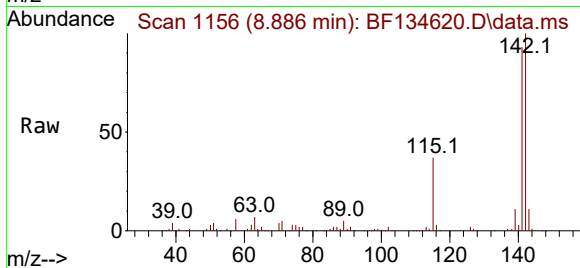
ClientSampleId :

Tgt Ion:142 Resp: 55197

Ion Ratio Lower Upper

142 100

141 92.8 71.4 107.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

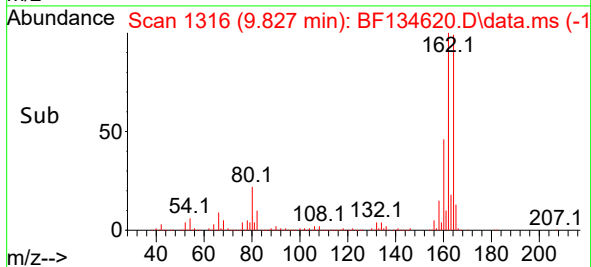
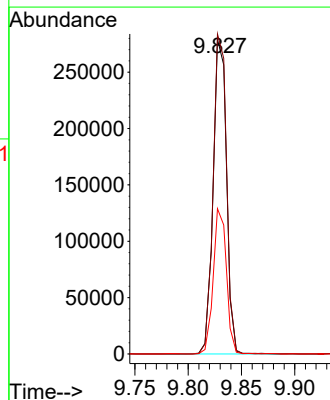
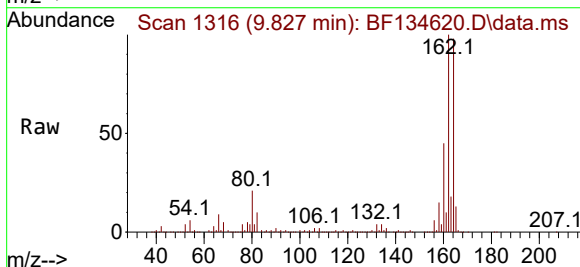
Tgt Ion:164 Resp: 243818

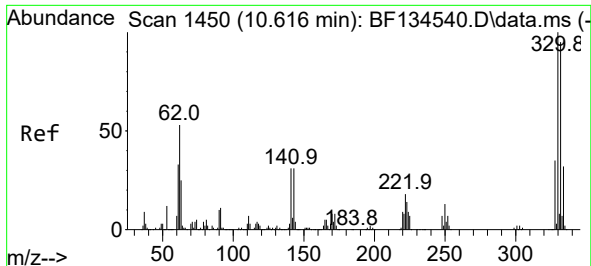
Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

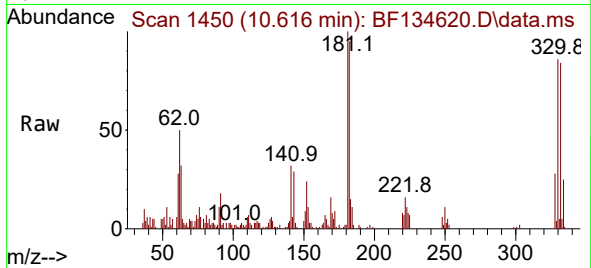
160 46.2 37.2 55.8



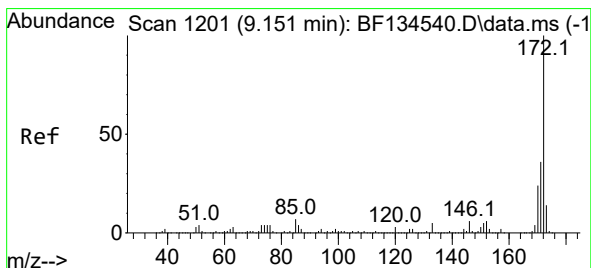
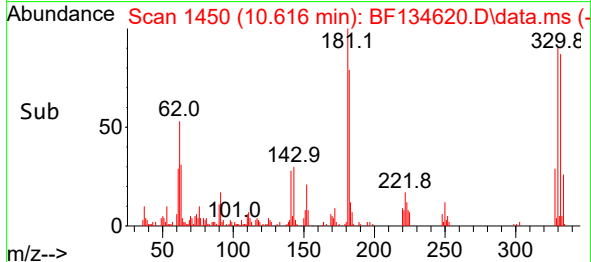
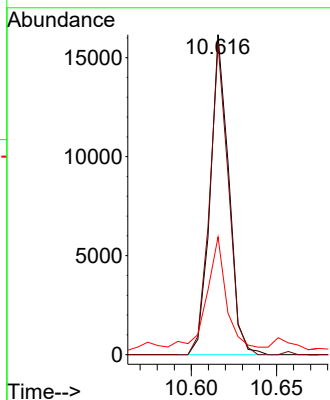


#42
 2,4,6-Tribromophenol
 Concen: 4.917 ng
 RT: 10.616 min Scan# 1450
 Delta R.T. 0.000 min
 Lab File: BF134620.D
 Acq: 03 Aug 2023 19:25

Instrument :
 BNA_F
 ClientSampleId :

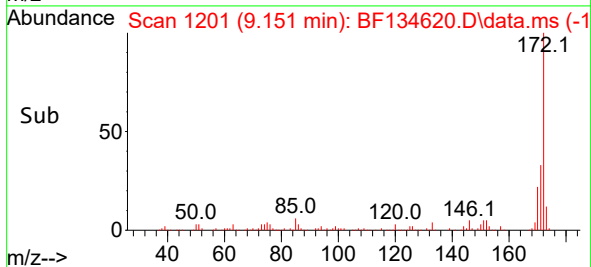
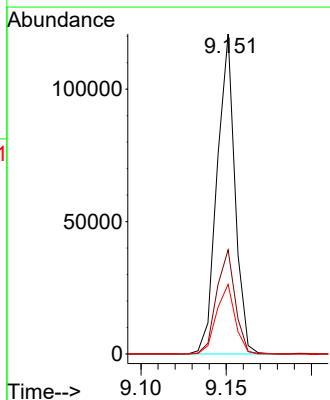
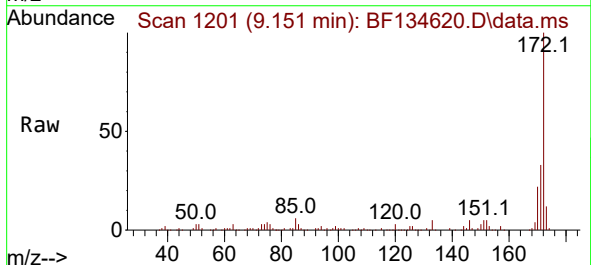


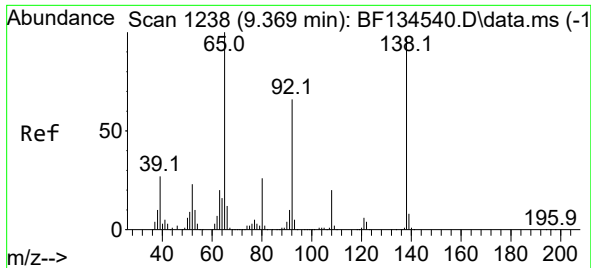
Tgt Ion:330 Resp: 12220
 Ion Ratio Lower Upper
 330 100
 332 98.4 78.8 118.2
 141 37.6 25.4 38.2



#45
 2-Fluorobiphenyl
 Concen: 6.021 ng
 RT: 9.151 min Scan# 1201
 Delta R.T. 0.000 min
 Lab File: BF134620.D
 Acq: 03 Aug 2023 19:25

Tgt Ion:172 Resp: 88292
 Ion Ratio Lower Upper
 172 100
 171 32.5 28.8 43.2
 170 21.8 18.7 28.1

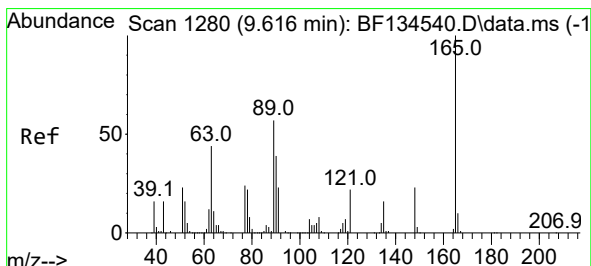
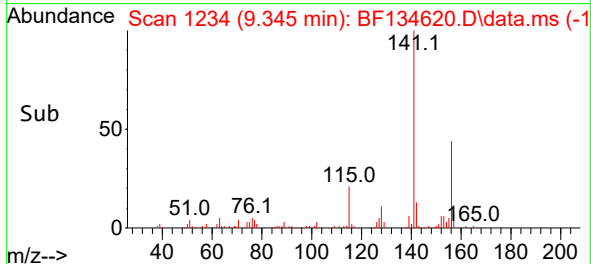
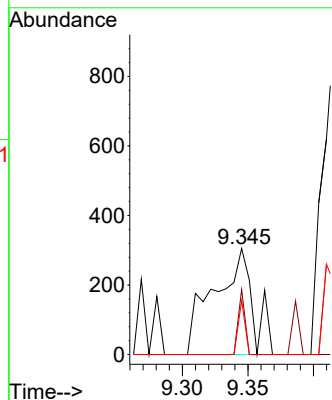
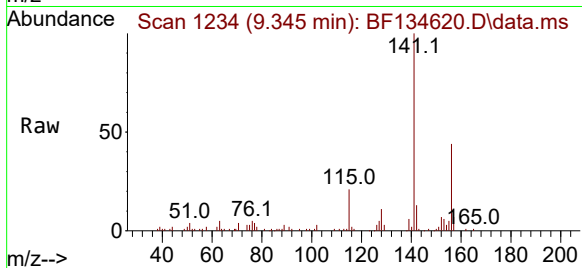




#48
2-Nitroaniline
Concen: 3.300 ng
RT: 9.345 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

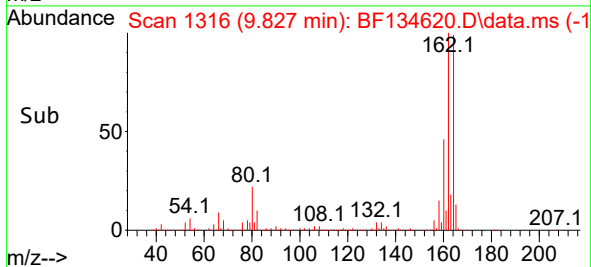
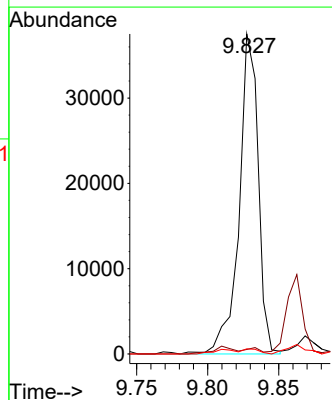
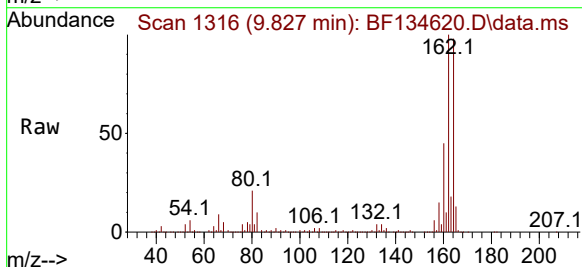
Instrument :
BNA_F
ClientSampleId :

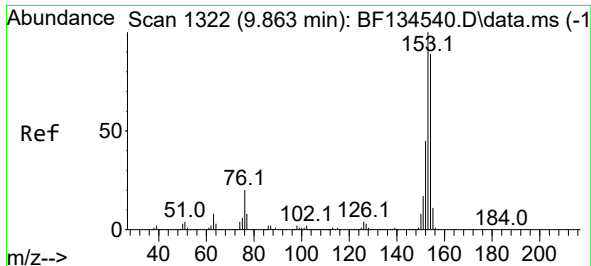
Tgt Ion: 65 Resp: 634
Ion Ratio Lower Upper
65 100
92 61.3 50.7 76.1
138 50.8 78.2 117.4#



#51
2,6-Dinitrotoluene
Concen: 12.273 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.211 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

Tgt Ion:165 Resp: 35116
Ion Ratio Lower Upper
165 100
63 1.4 57.8 86.6#
89 1.6 51.8 77.8#

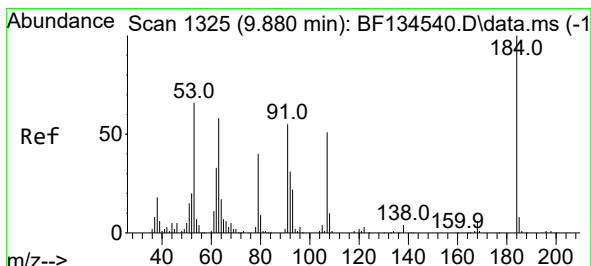
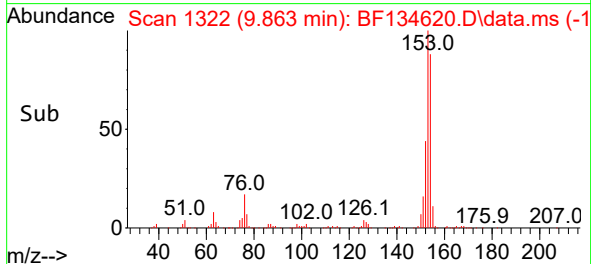
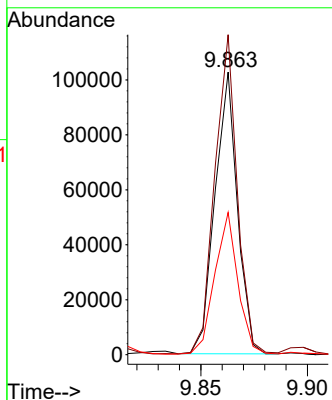
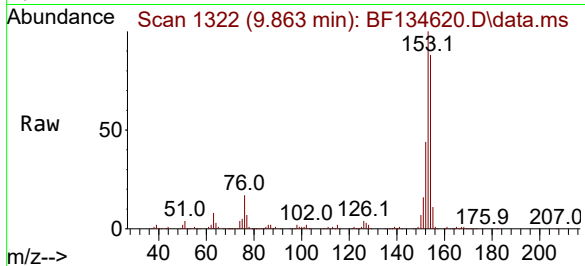




#52
Acenaphthene
Concen: 5.179 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

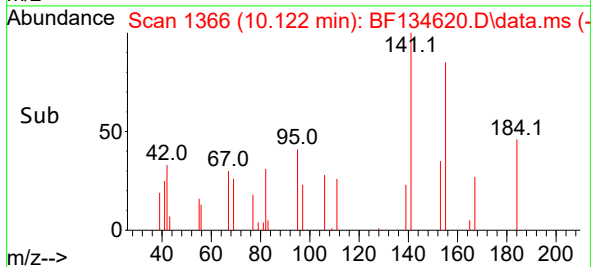
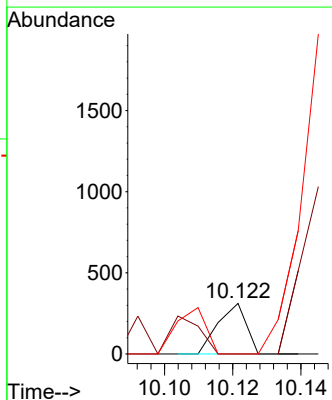
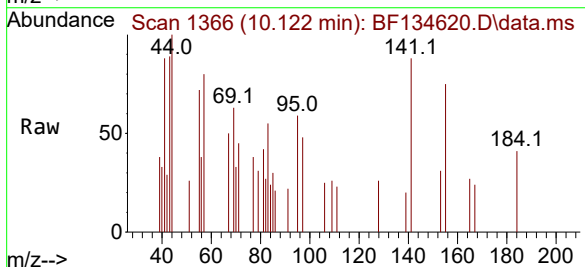
Instrument :
BNA_F
ClientSampleId :

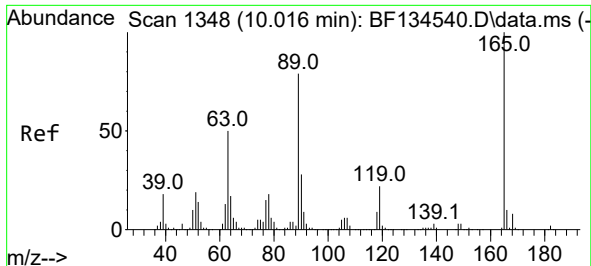
Tgt Ion:154 Resp: 74944
Ion Ratio Lower Upper
154 100
153 113.3 90.0 135.0
152 50.4 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 6.956 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.242 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

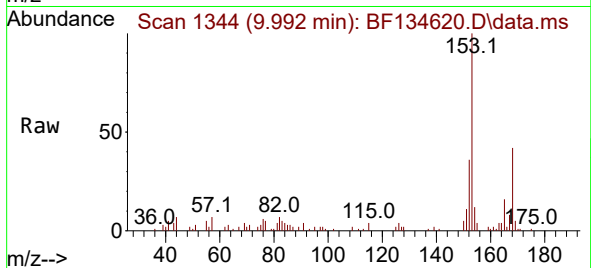
Tgt Ion:184 Resp: 178
Ion Ratio Lower Upper
184 100
63 0.0 57.1 85.7#
154 0.0 59.1 88.7#



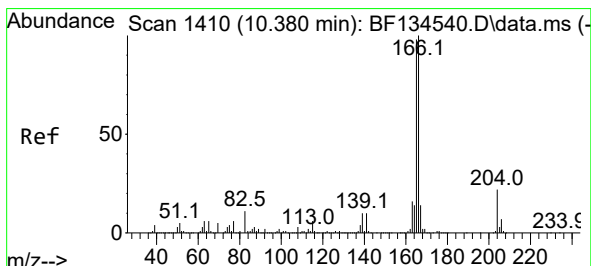
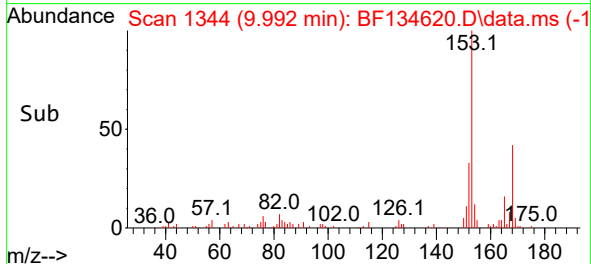
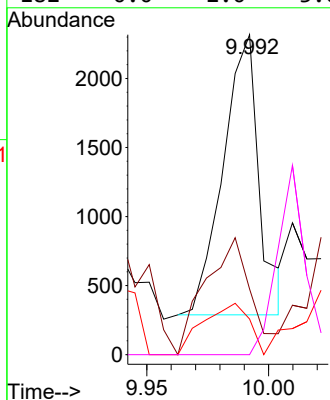


#57
2,4-Dinitrotoluene
Concen: 3.327 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

Instrument :
BNA_F
ClientSampleId :

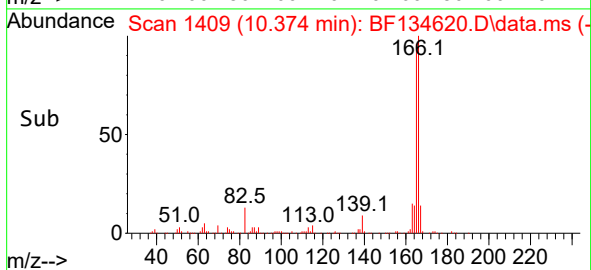
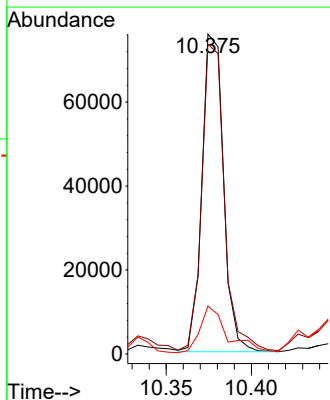
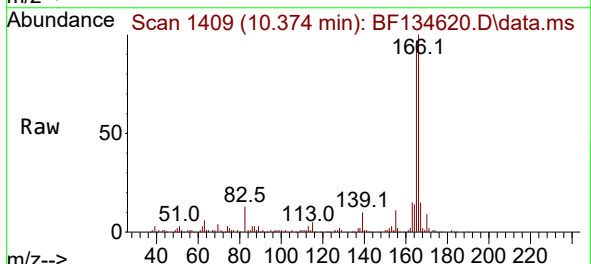


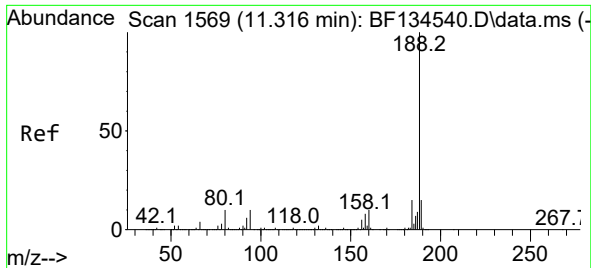
Tgt Ion:165 Resp: 2083
Ion Ratio Lower Upper
165 100
63 20.5 48.9 73.3#
89 11.1 61.7 92.5#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 4.432 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

Tgt Ion:166 Resp: 66510
Ion Ratio Lower Upper
166 100
165 96.8 74.5 111.7
167 15.0 10.6 16.0

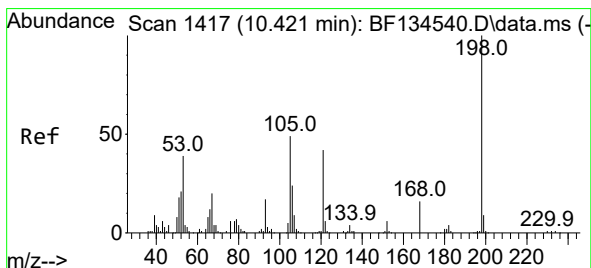
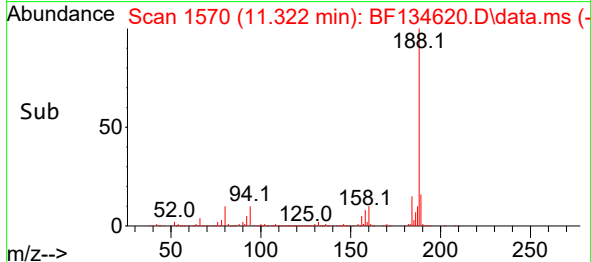
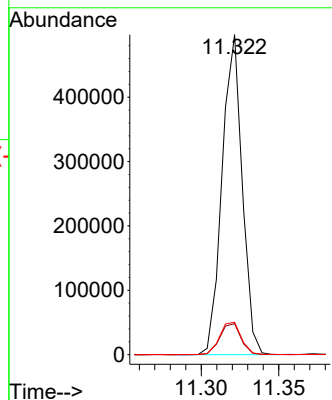
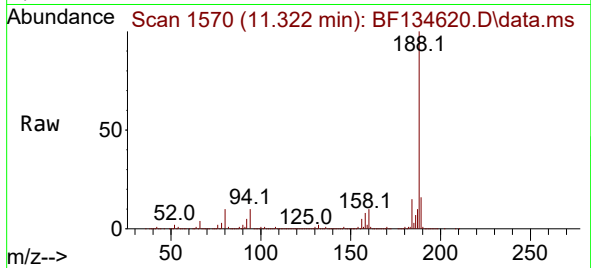




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

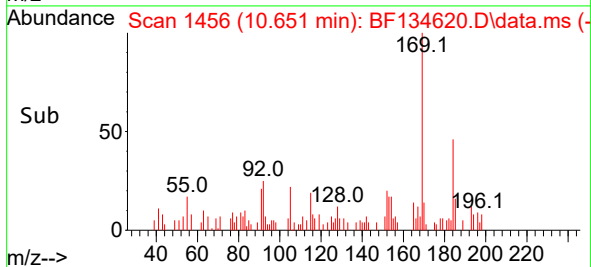
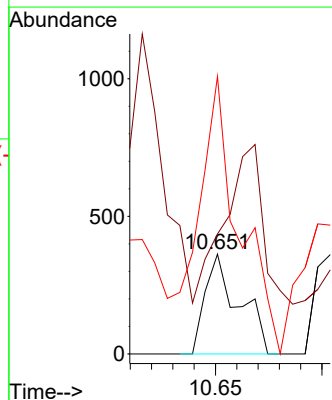
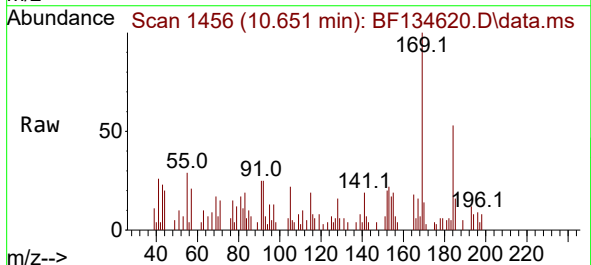
Instrument :
BNA_F
ClientSampleId :

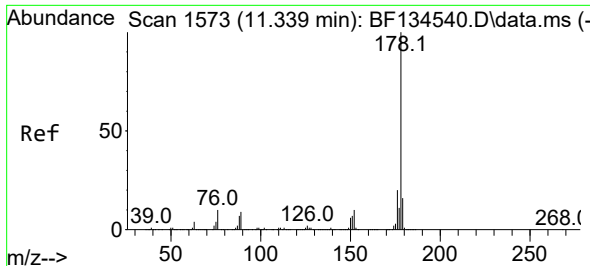
Tgt Ion:188 Resp: 448516
Ion Ratio Lower Upper
188 100
94 9.7 5.1 7.7#
80 10.2 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.879 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.230 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

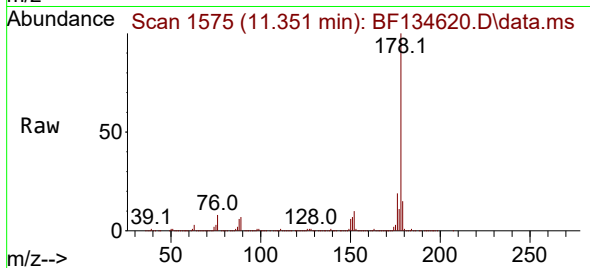
Tgt Ion:198 Resp: 399
Ion Ratio Lower Upper
198 100
51 120.1 38.6 78.6#
105 278.0 27.9 67.9#



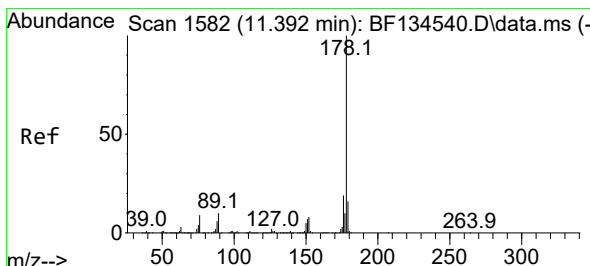
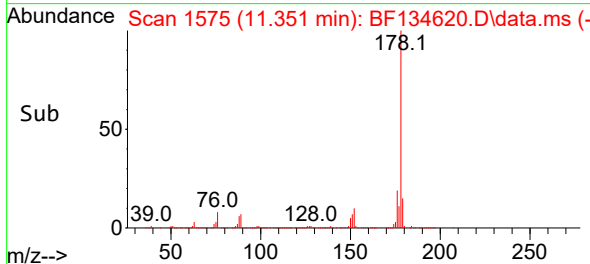
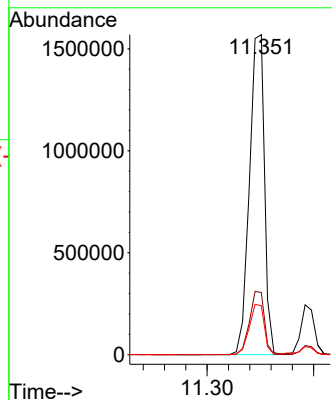


#71
Phenanthrene
Concen: 64.604 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.012 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

Instrument :
BNA_F
ClientSampleId :

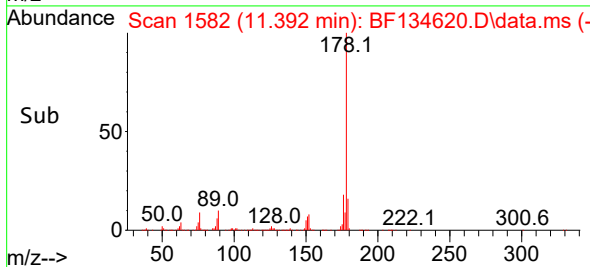
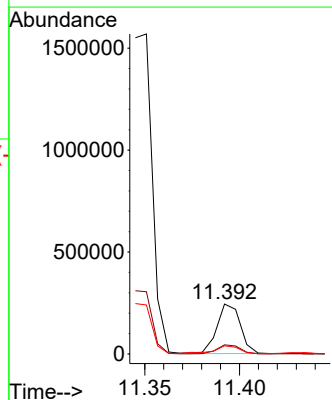
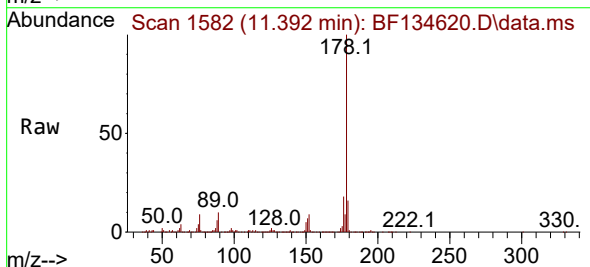


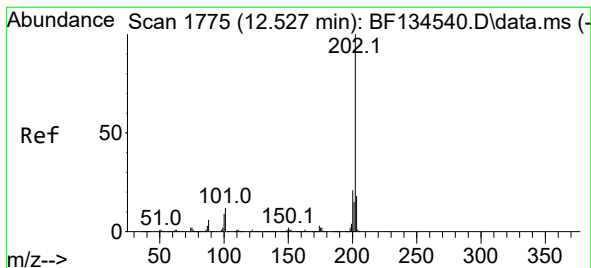
Tgt Ion:178 Resp: 1539086
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.3 12.7 19.1



#72
Anthracene
Concen: 8.617 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF134620.D
Acq: 03 Aug 2023 19:25

Tgt Ion:178 Resp: 209690
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 16.3 12.3 18.5





#75

Fluoranthene

Concen: 26.444 ng

RT: 12.533 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

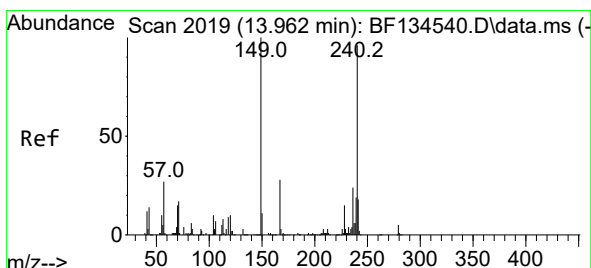
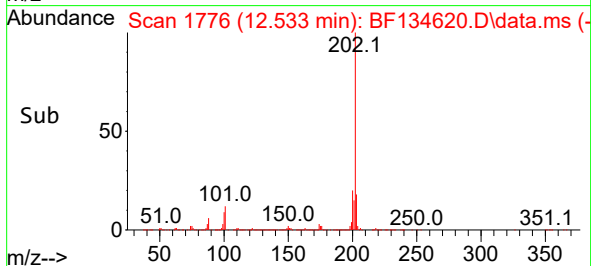
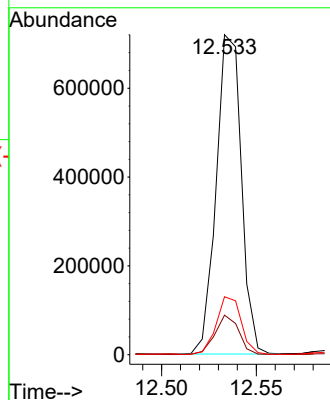
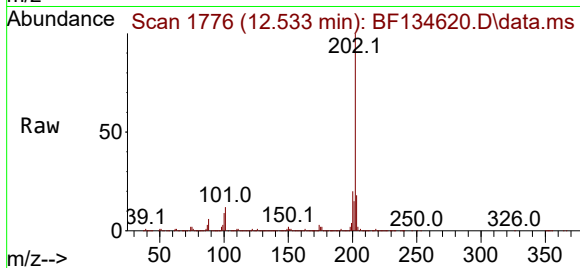
Tgt Ion:202 Resp: 665449

Ion Ratio Lower Upper

202 100

101 12.3 0.0 28.5

203 18.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

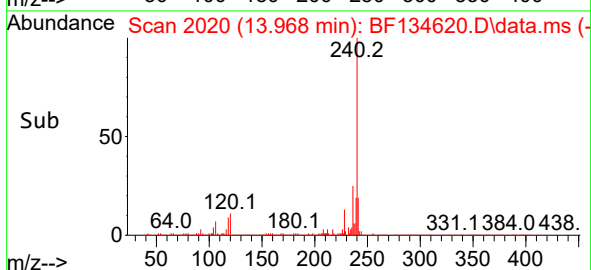
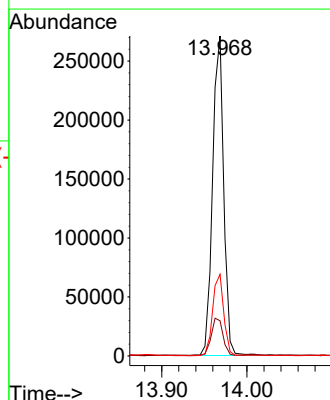
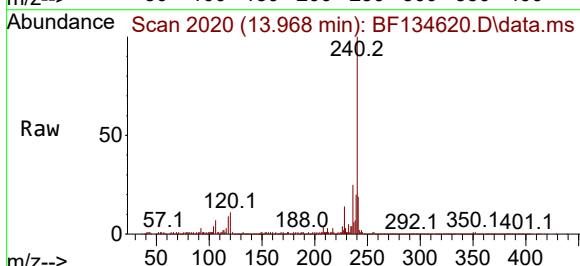
Tgt Ion:240 Resp: 246069

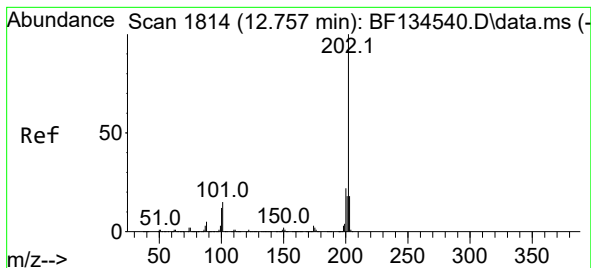
Ion Ratio Lower Upper

240 100

120 11.0 6.6 10.0#

236 25.5 20.2 30.2





#78

Pyrene

Concen: 44.067 ng

RT: 12.768 min Scan# 1816

Delta R.T. 0.012 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

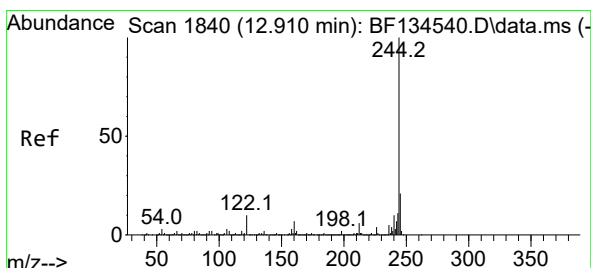
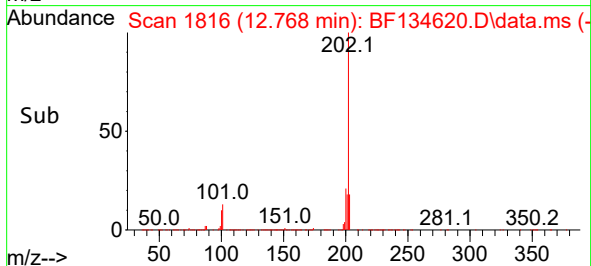
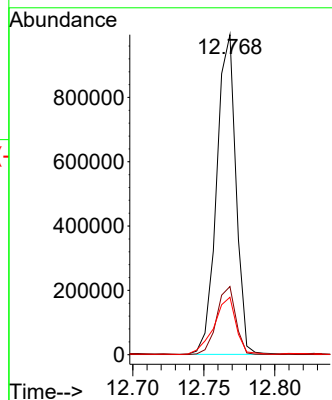
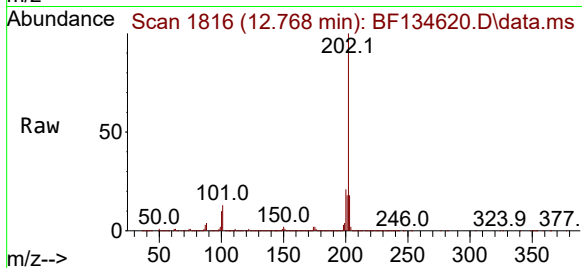
Tgt Ion:202 Resp: 938309

Ion Ratio Lower Upper

202 100

200 21.3 15.8 23.8

203 17.9 13.5 20.3



#79

Terphenyl-d14

Concen: 6.608 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

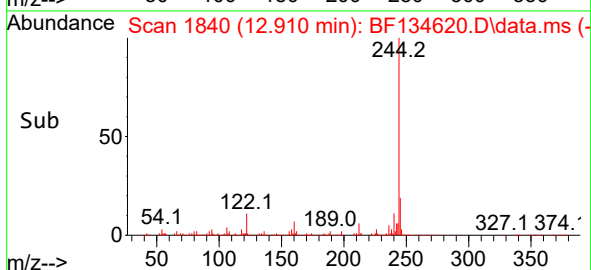
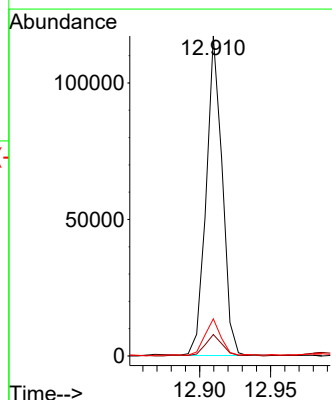
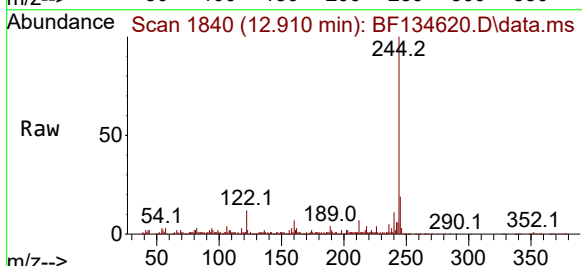
Tgt Ion:244 Resp: 92234

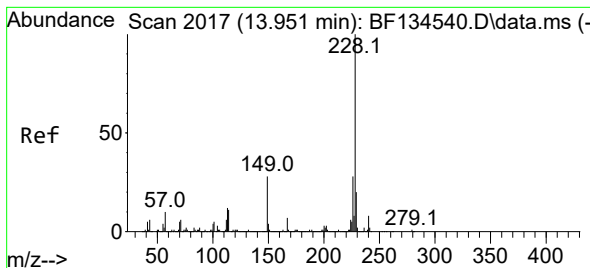
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.6 8.0 12.0





#81

Benzo(a)anthracene

Concen: 15.403 ng

RT: 13.957 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

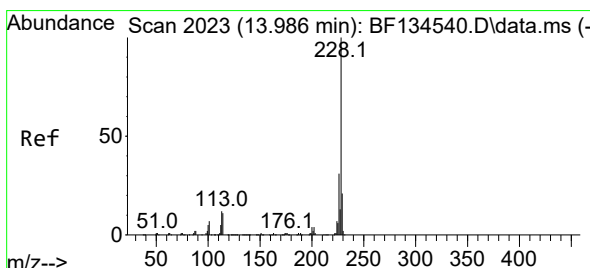
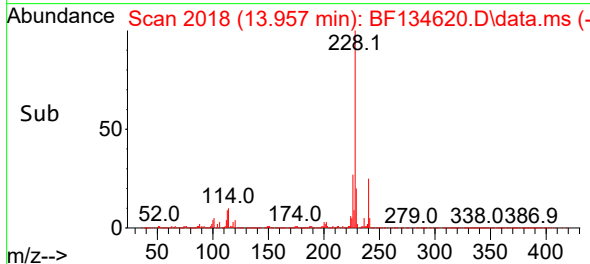
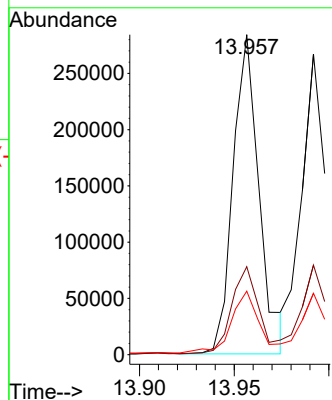
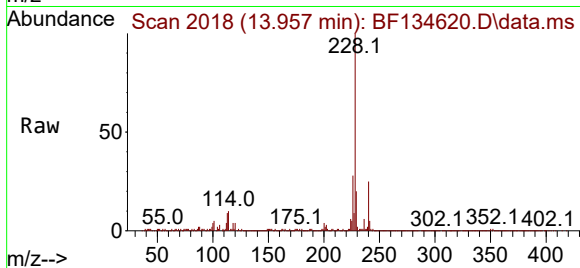
Tgt Ion:228 Resp: 271013

Ion Ratio Lower Upper

228 100

226 27.5 22.3 33.5

229 19.9 15.8 23.6



#83

Chrysene

Concen: 13.645 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

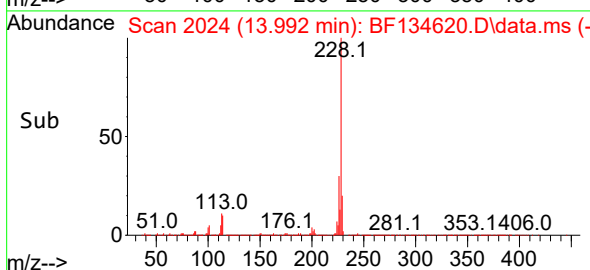
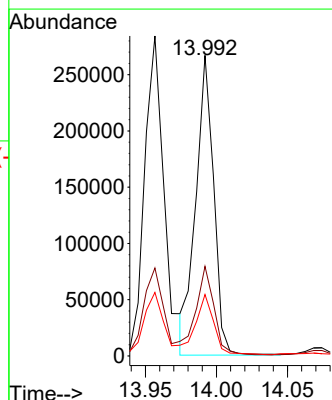
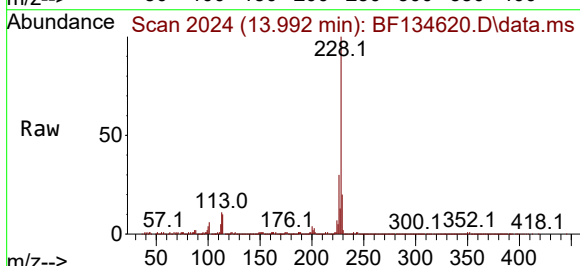
Tgt Ion:228 Resp: 233904

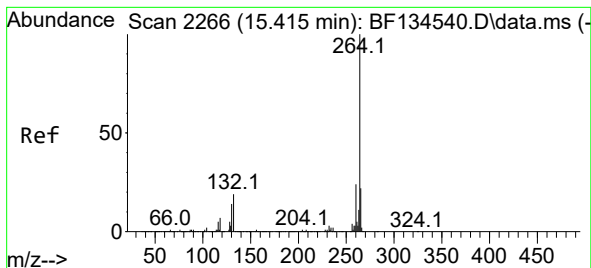
Ion Ratio Lower Upper

228 100

226 29.8 24.5 36.7

229 20.5 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

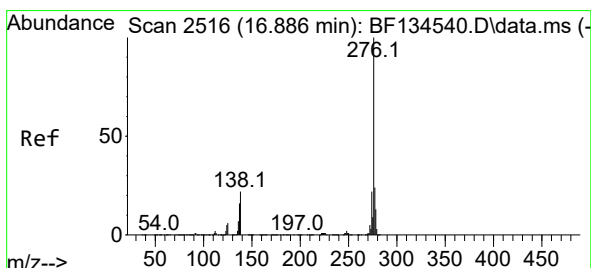
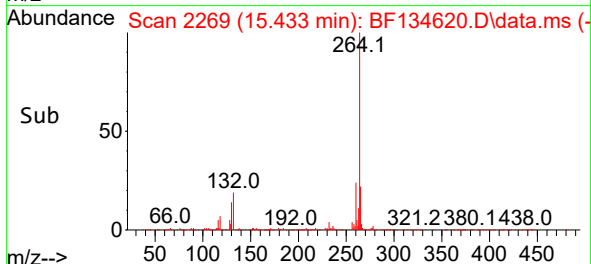
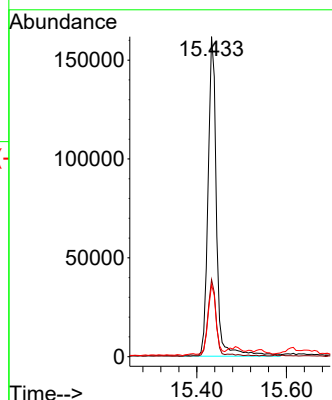
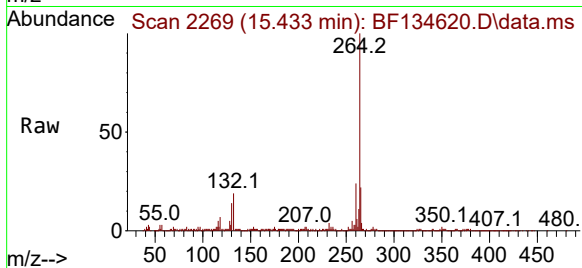
Tgt Ion:264 Resp: 211922

Ion Ratio Lower Upper

264 100

260 24.1 18.4 27.6

265 22.5 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.966 ng

RT: 16.909 min Scan# 2520

Delta R.T. 0.024 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

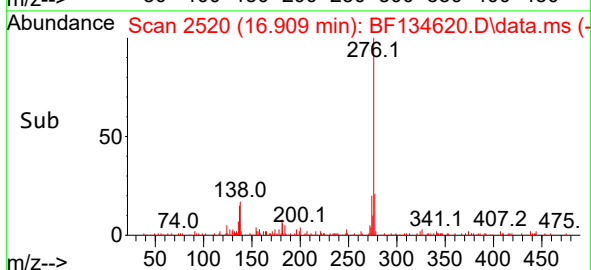
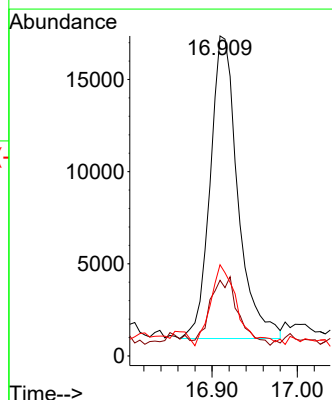
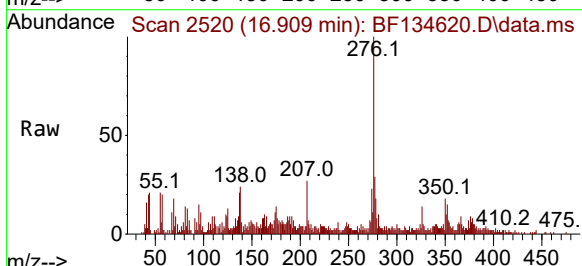
Tgt Ion:276 Resp: 36970

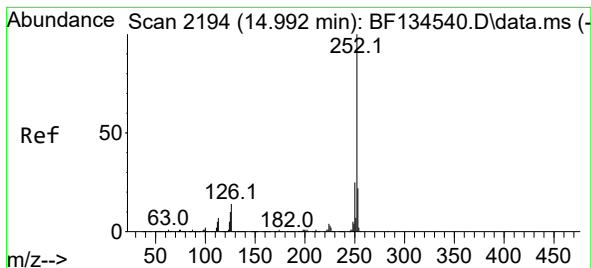
Ion Ratio Lower Upper

276 100

138 22.9 14.2 21.4#

277 26.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 13.720 ng

RT: 15.009 min Scan# 2197

Delta R.T. 0.018 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

Instrument :

BNF

ClientSampleId :

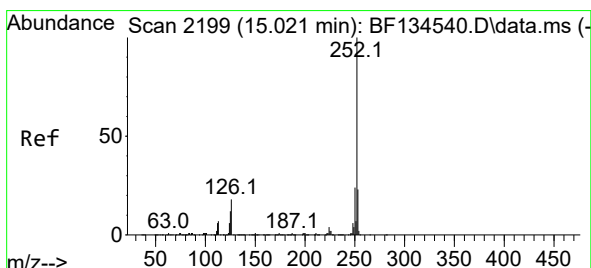
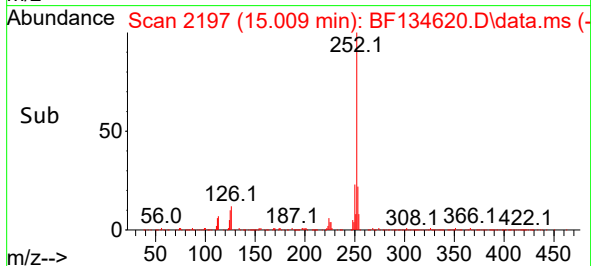
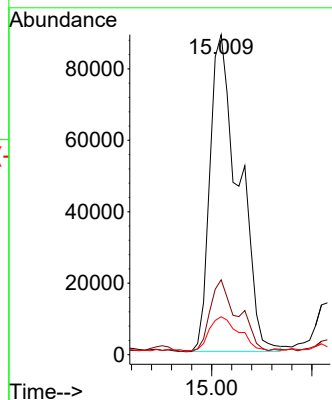
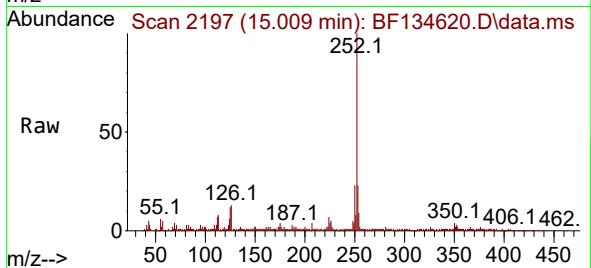
Tgt Ion:252 Resp: 177333

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 11.8 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 13.773 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

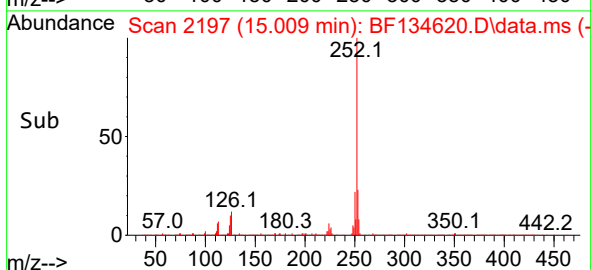
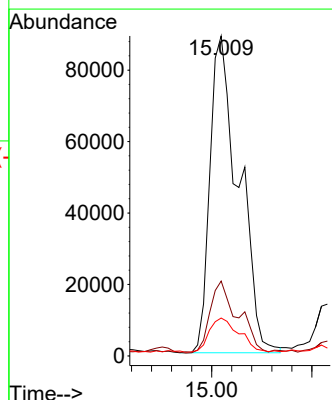
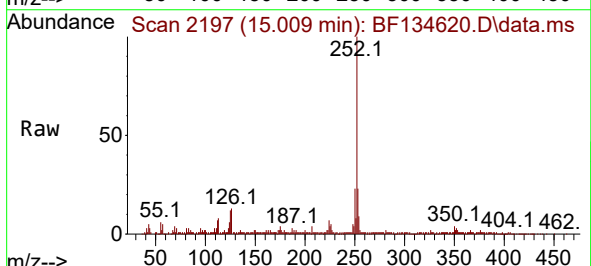
Tgt Ion:252 Resp: 177333

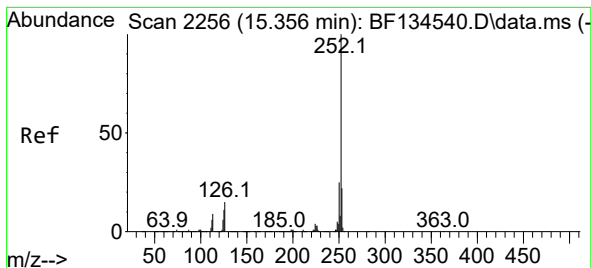
Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 11.8 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 8.082 ng

RT: 15.368 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

Instrument :

BNA_F

ClientSampleId :

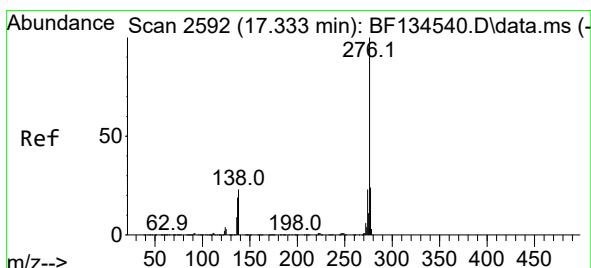
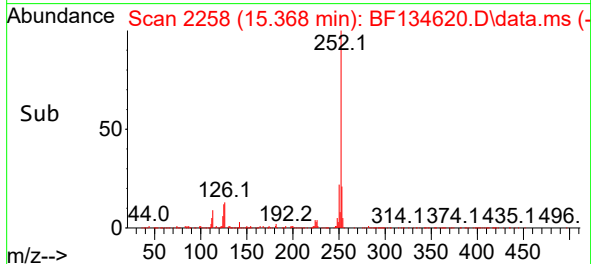
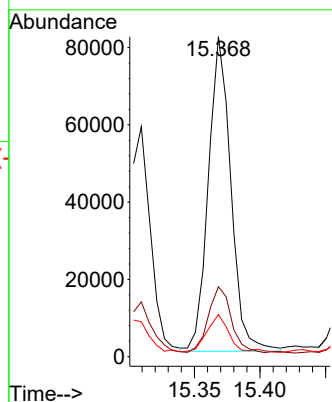
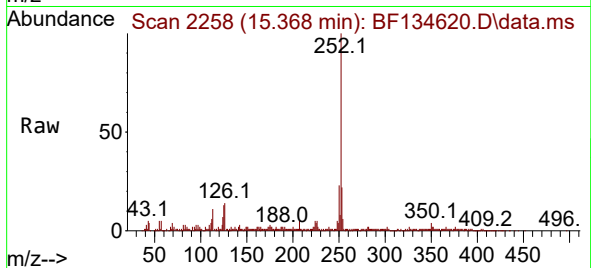
Tgt Ion:252 Resp: 97393

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

125 13.1 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 3.458 ng

RT: 17.362 min Scan# 2597

Delta R.T. 0.029 min

Lab File: BF134620.D

Acq: 03 Aug 2023 19:25

Tgt Ion:276 Resp: 35527

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.6

138 24.6 12.2 18.2#

