

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
 Data File : BF134597.D
 Acq On : 03 Aug 2023 00:23
 Operator : CG\JU
 Sample : 03598-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-55-(2-5)

Quant Time: Aug 03 01:52:37 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

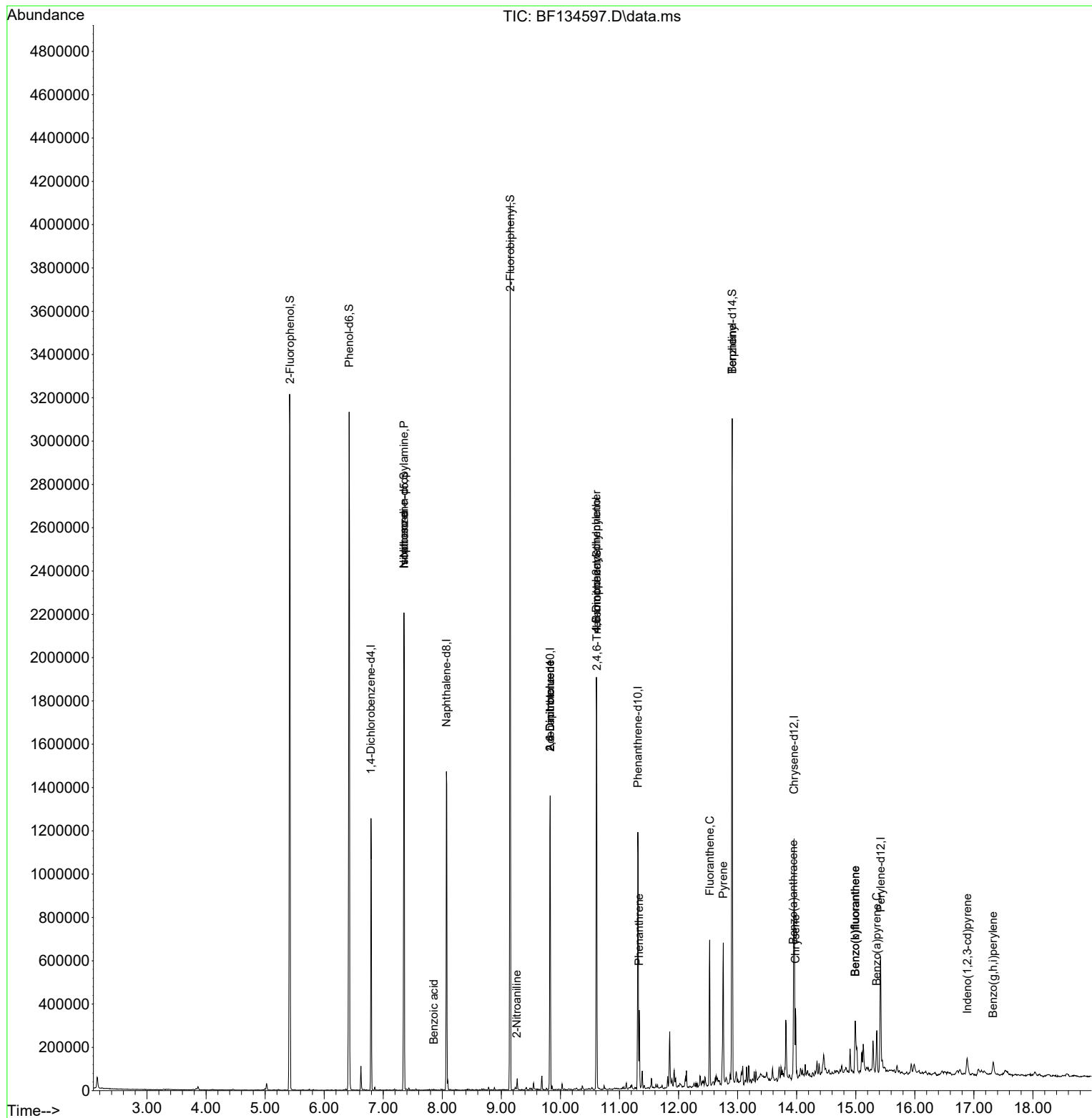
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	170495	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	640937	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	264717	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	424459	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	310506	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	244341	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	935028	83.365	ng	0.00
7) Phenol-d6	6.422	99	1180632	82.345	ng	0.00
23) Nitrobenzene-d5	7.351	82	690444	67.320	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	224211	83.086	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1167146	73.309	ng	0.00
79) Terphenyl-d14	12.910	244	1066787	60.566	ng	0.00
Target Compounds						
9) Benzaldehyde	6.345	77	345	Below Cal		Qvalue # 80
19) n-Nitroso-di-n-propyla...	7.351	70	91709	10.683	ng	# 77
25) Isophorone	7.351	82	690437	30.865	ng	# 65
32) Benzoic acid	7.857	122	241	7.898	ng	# 1
48) 2-Nitroaniline	9.263	65	537	3.270	ng	# 8
51) 2,6-Dinitrotoluene	9.827	165	34372	11.310	ng	# 17
57) 2,4-Dinitrotoluene	9.827	165	34372	10.092	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	509	8.942	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	14760	3.177	ng	# 1
71) Phenanthrene	11.333	178	122531	5.435	ng	98
75) Fluoranthene	12.527	202	259968	10.916	ng	97
77) Benzidine	12.910	184	13654	2.026	ng	# 94
78) Pyrene	12.757	202	248989	9.267	ng	98
81) Benzo(a)anthracene	13.945	228	120405	5.423	ng	93
83) Chrysene	13.980	228	122032	5.641	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	52604	3.661	ng	# 96
88) Benzo(b)fluoranthene	14.992	252	177796	11.931	ng	# 98
89) Benzo(k)fluoranthene	14.992	252	177796	11.977	ng	# 98
90) Benzo(a)pyrene	15.356	252	89108	6.413	ng	# 97
92) Benzo(g,h,i)perylene	17.327	276	48742	4.114	ng	# 88

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

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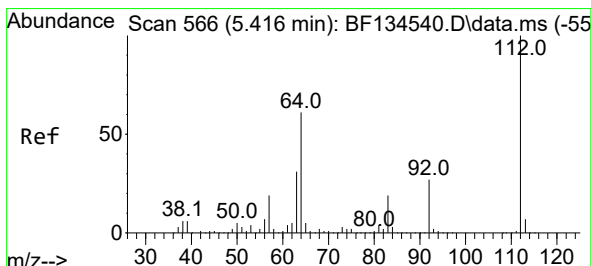
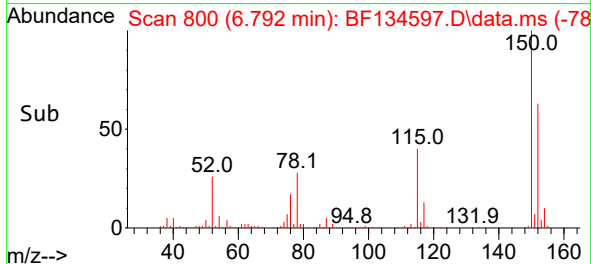
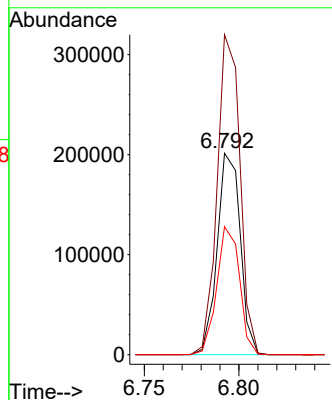
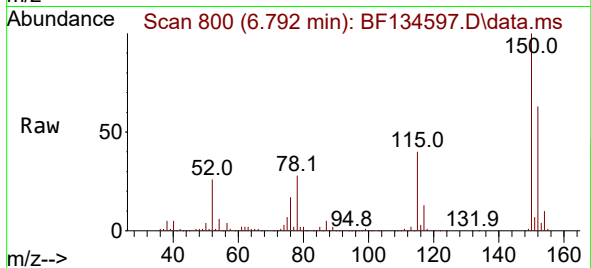




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF134597.D
 Acq: 03 Aug 2023 00:23

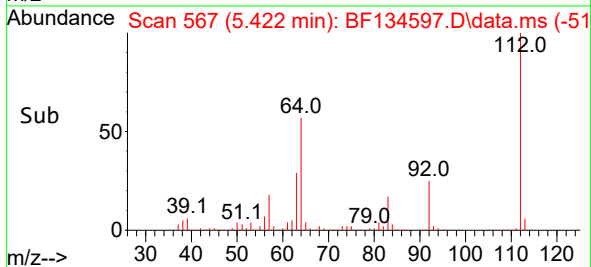
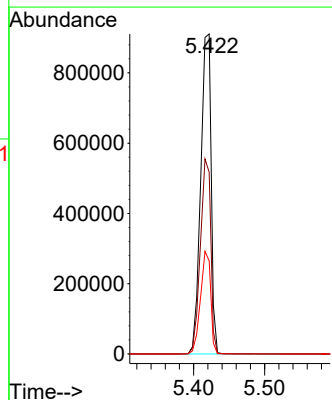
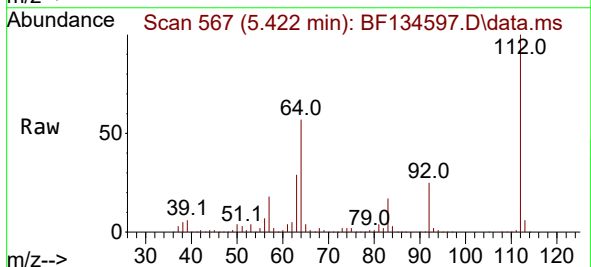
Instrument :
 BNA_F
 ClientSampleId :
 RB-55-(2-5)

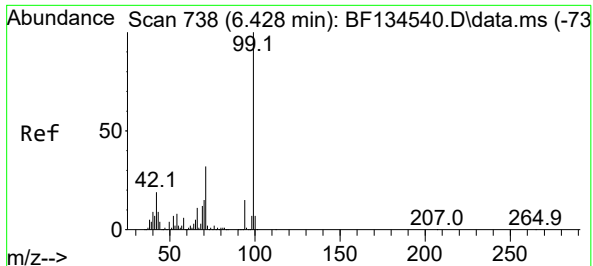
Tgt Ion:152 Resp: 170495
 Ion Ratio Lower Upper
 152 100
 150 158.9 128.3 192.5
 115 63.6 52.4 78.6



#5
 2-Fluorophenol
 Concen: 83.365 ng
 RT: 5.422 min Scan# 567
 Delta R.T. 0.006 min
 Lab File: BF134597.D
 Acq: 03 Aug 2023 00:23

Tgt Ion:112 Resp: 935028
 Ion Ratio Lower Upper
 112 100
 64 56.8 44.9 67.3
 63 29.1 25.4 38.0

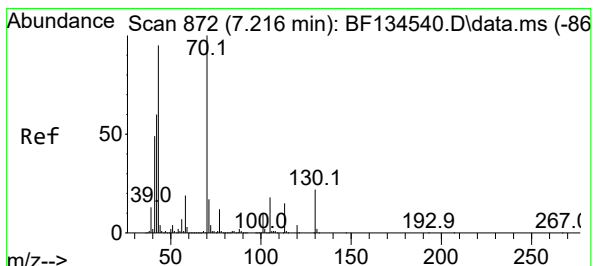
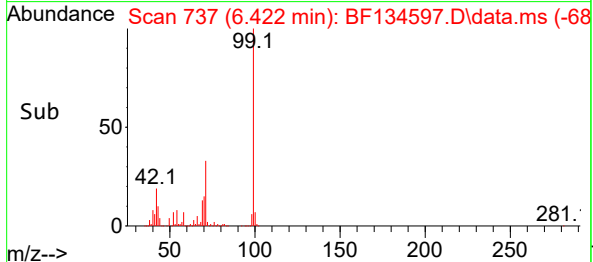
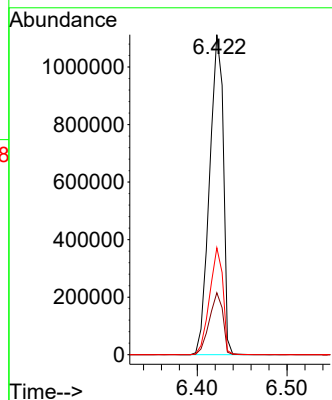
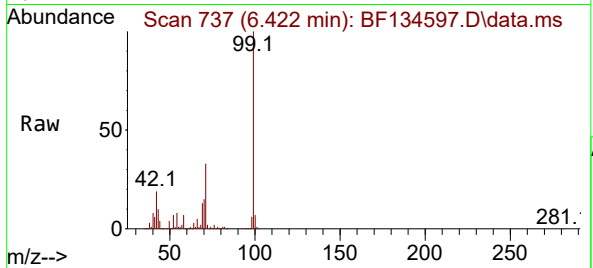




#7
Phenol-d6
Concen: 82.345 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

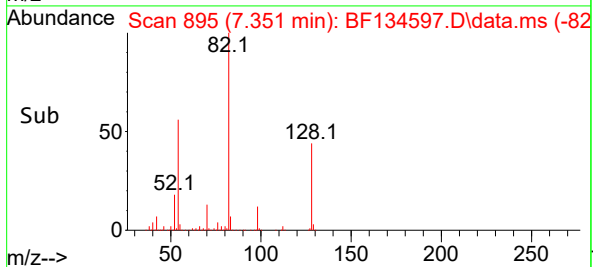
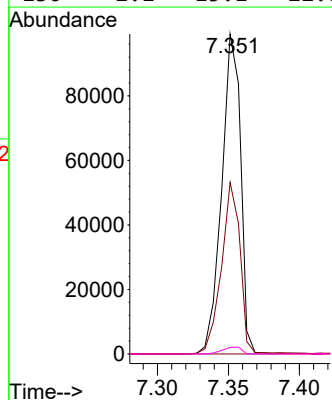
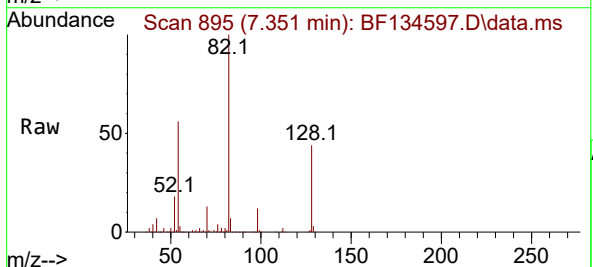
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)

Tgt Ion: 99 Resp: 1180632
Ion Ratio Lower Upper
99 100
42 19.4 18.7 28.1
71 33.4 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.683 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

Tgt Ion: 70 Resp: 91709
Ion Ratio Lower Upper
70 100
42 53.6 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

Instrument :

BNA_F

ClientSampleId :

RB-55-(2-5)

Tgt Ion:136 Resp: 640937

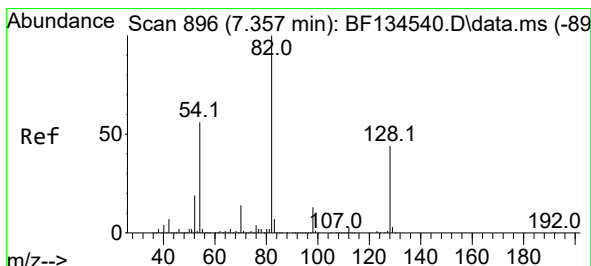
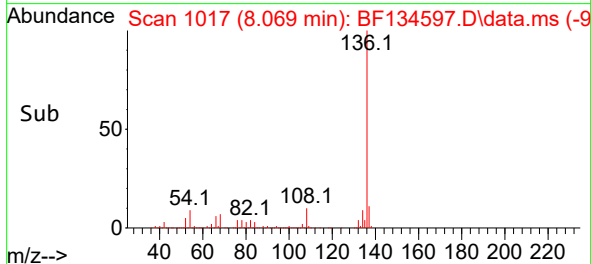
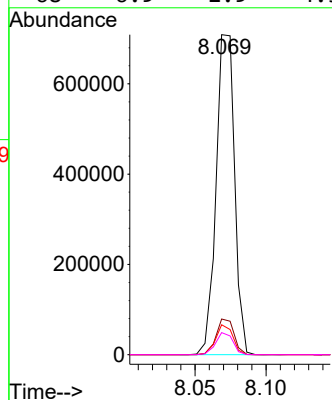
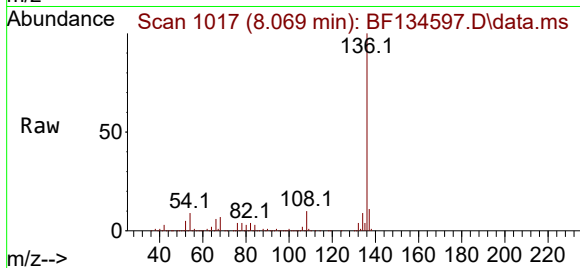
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 9.4 5.2 7.8#

68 6.9 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 67.320 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

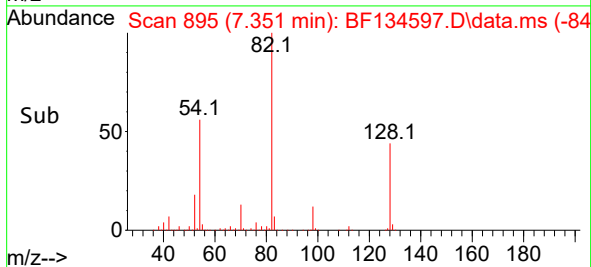
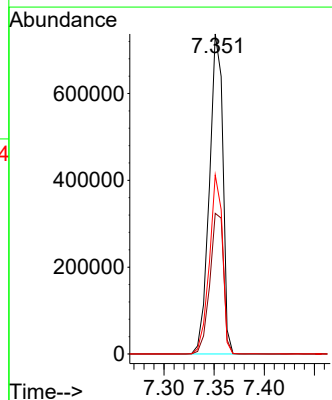
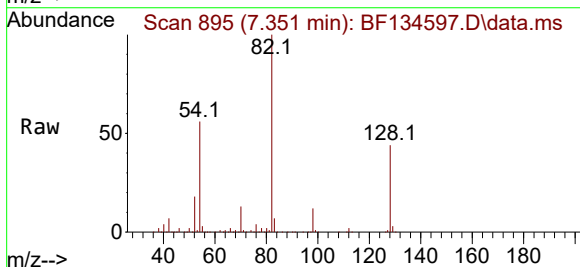
Tgt Ion: 82 Resp: 690444

Ion Ratio Lower Upper

82 100

128 43.9 34.3 51.5

54 56.0 43.8 65.6

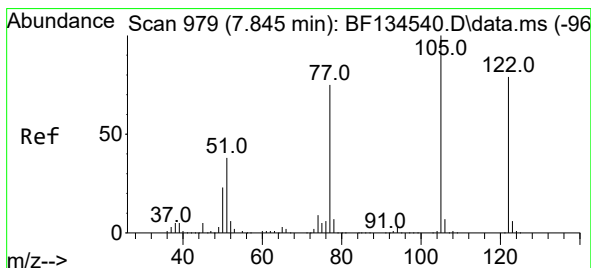
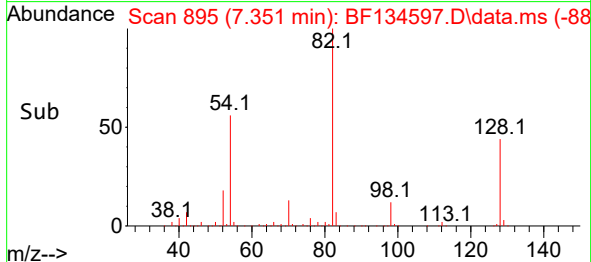
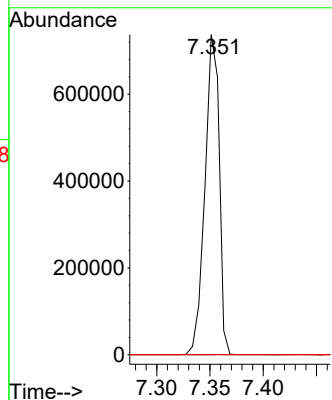
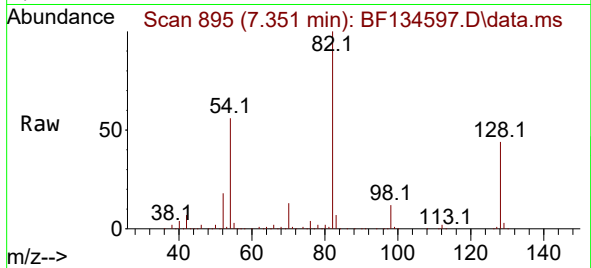




#25
Isophorone
Concen: 30.865 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

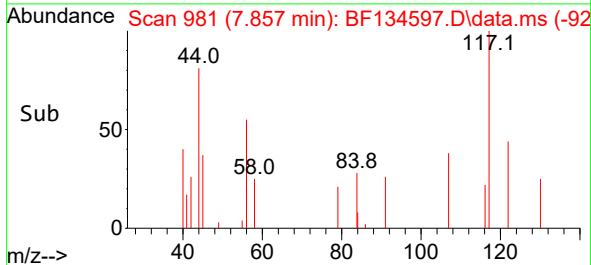
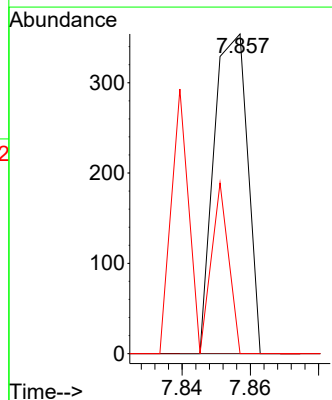
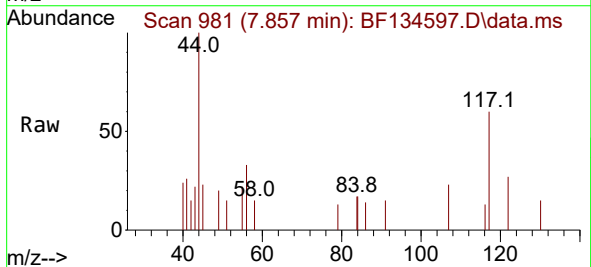
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)

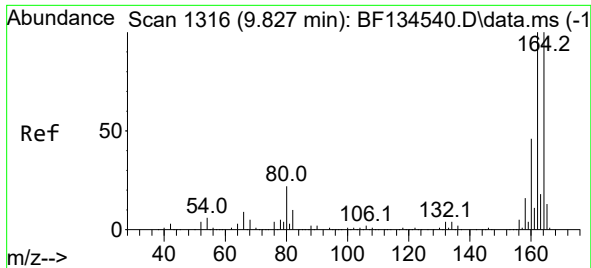
Tgt Ion: 82 Resp: 690437
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.898 ng
RT: 7.857 min Scan# 981
Delta R.T. 0.012 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

Tgt Ion:122 Resp: 241
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 0.0 71.4 111.4#

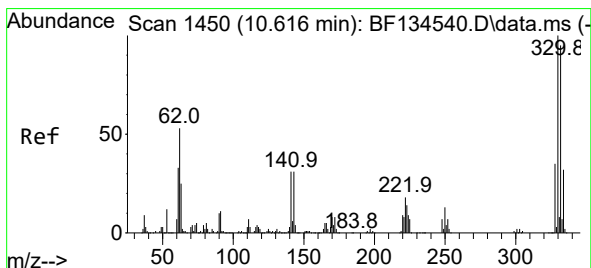
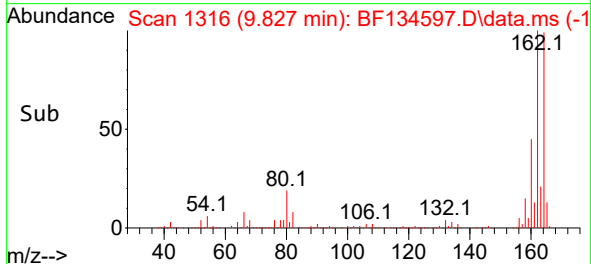
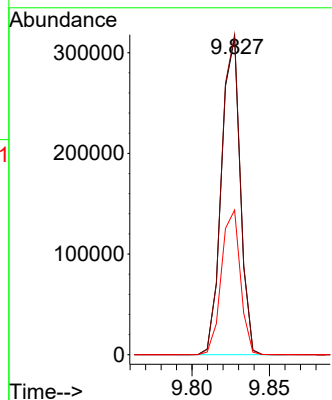
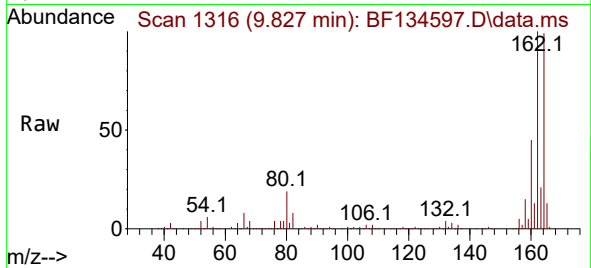




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

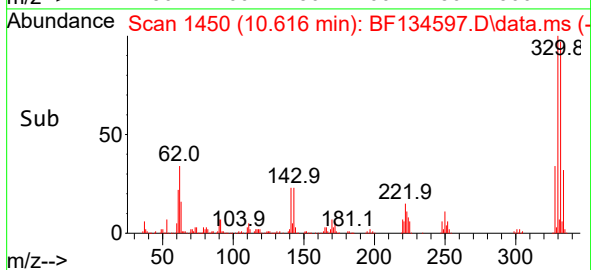
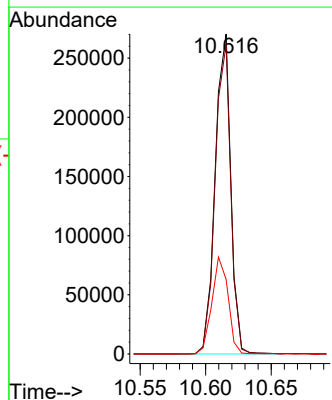
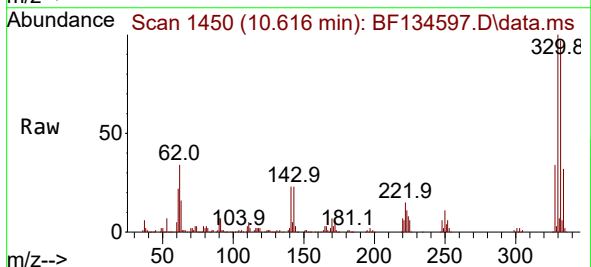
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)

Tgt Ion:164 Resp: 264717
Ion Ratio Lower Upper
164 100
162 101.0 82.6 123.8
160 45.7 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 83.086 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

Tgt Ion:330 Resp: 224211
Ion Ratio Lower Upper
330 100
332 96.7 78.8 118.2
141 31.4 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 73.309 ng

RT: 9.151 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

Instrument :

BNA_F

ClientSampleId :

RB-55-(2-5)

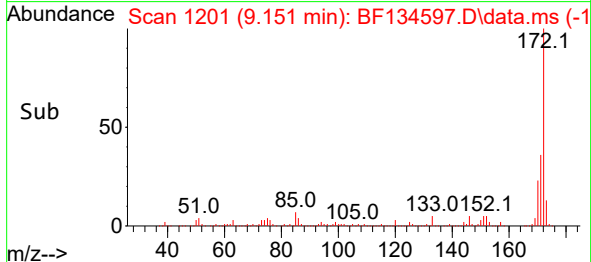
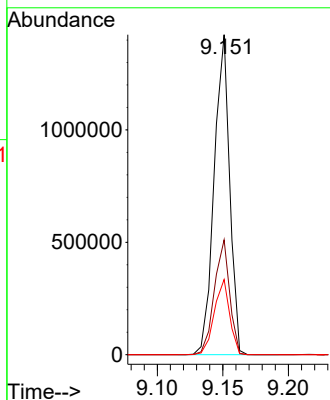
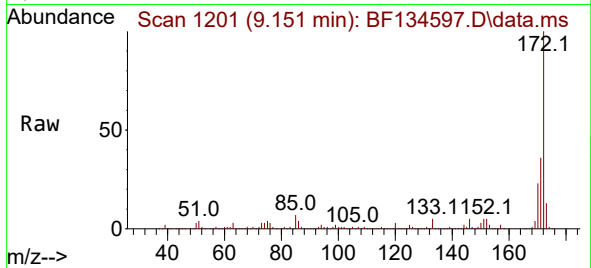
Tgt Ion:172 Resp: 1167146

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.5 18.7 28.1



#48

2-Nitroaniline

Concen: 3.270 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.106 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

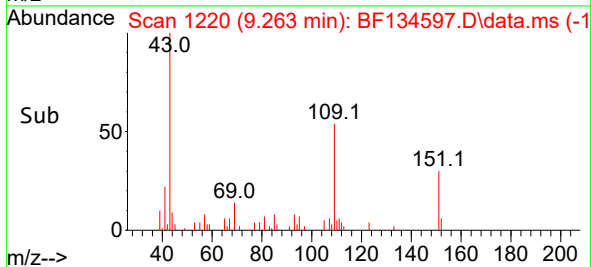
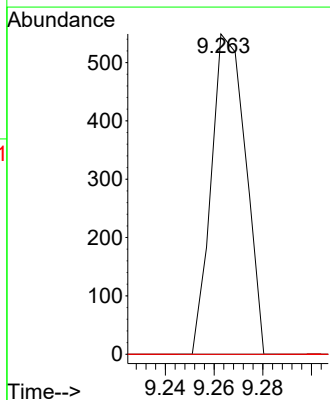
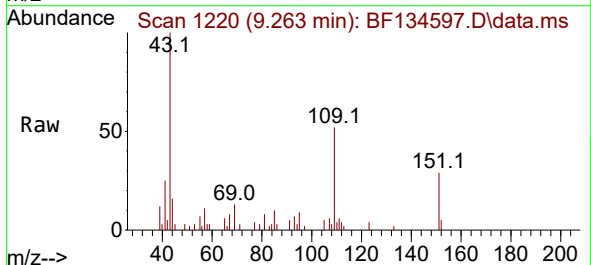
Tgt Ion: 65 Resp: 537

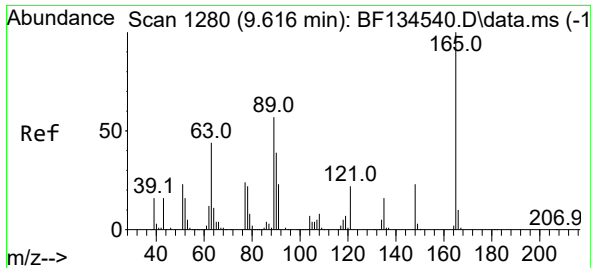
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#





#51

2,6-Dinitrotoluene

Concen: 11.310 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.211 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

Instrument :

BNA_F

ClientSampleId :

RB-55-(2-5)

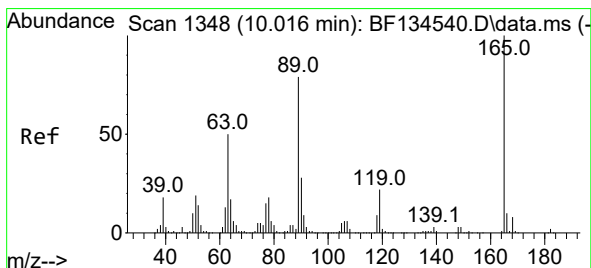
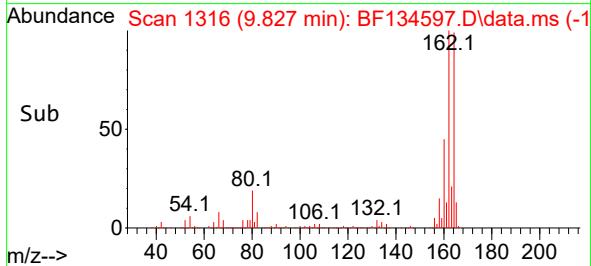
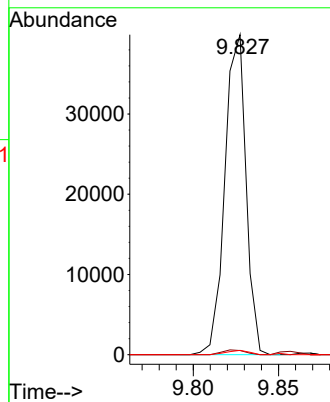
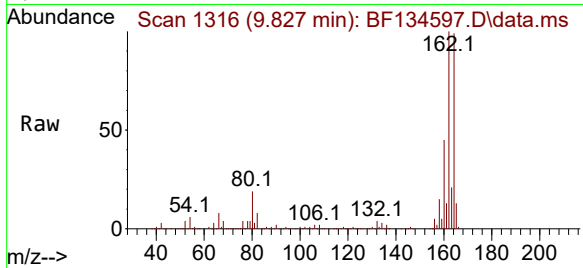
Tgt Ion:165 Resp: 34372

Ion Ratio Lower Upper

165 100

63 1.3 57.8 86.6#

89 1.3 51.8 77.8#



#57

2,4-Dinitrotoluene

Concen: 10.092 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.189 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

Tgt Ion:165 Resp: 34372

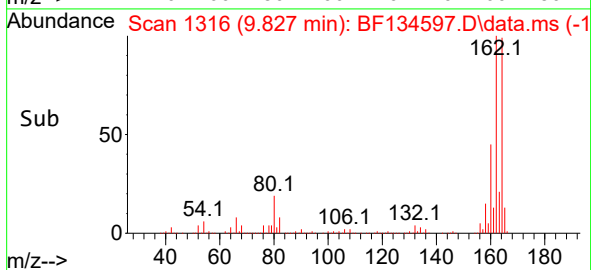
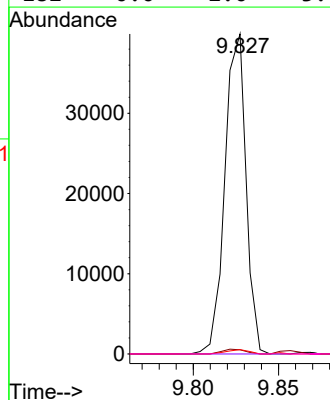
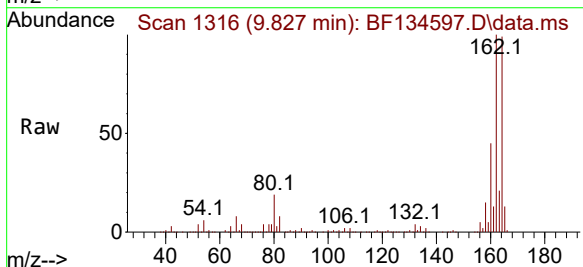
Ion Ratio Lower Upper

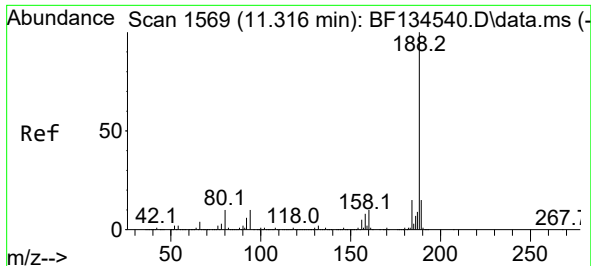
165 100

63 1.3 48.9 73.3#

89 1.3 61.7 92.5#

182 0.0 2.0 3.0#

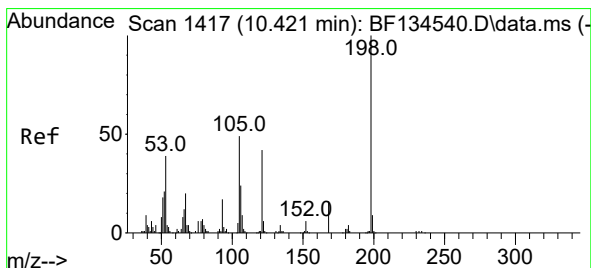
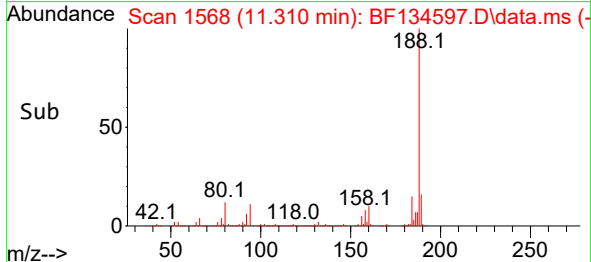
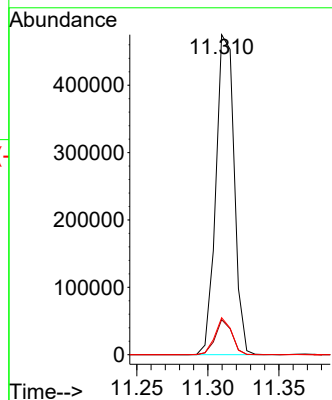
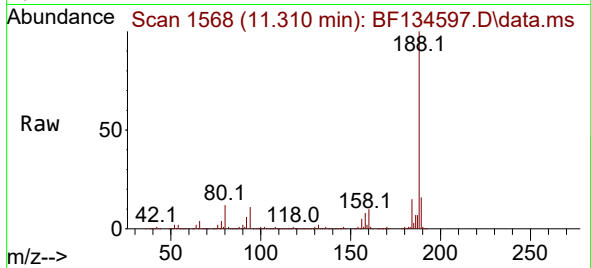




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

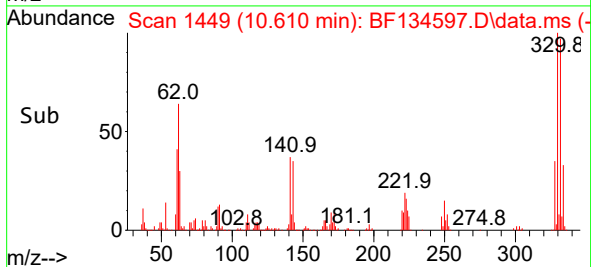
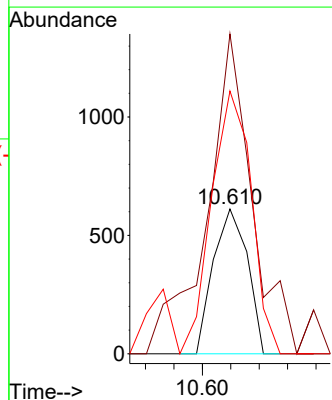
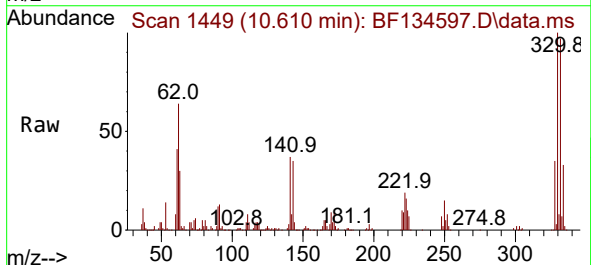
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)

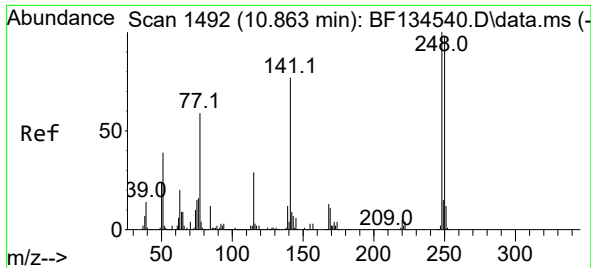
Tgt Ion:188 Resp: 424459
Ion Ratio Lower Upper
188 100
94 10.9 5.1 7.7#
80 11.5 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.942 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.189 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

Tgt Ion:198 Resp: 509
Ion Ratio Lower Upper
198 100
51 220.8 38.6 78.6#
105 181.4 27.9 67.9#

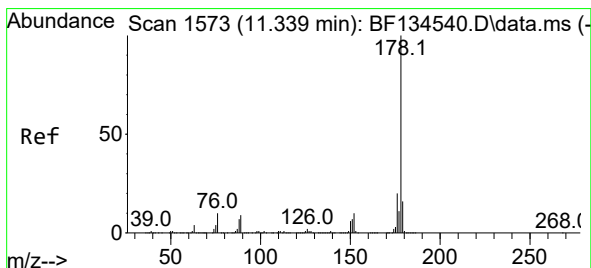
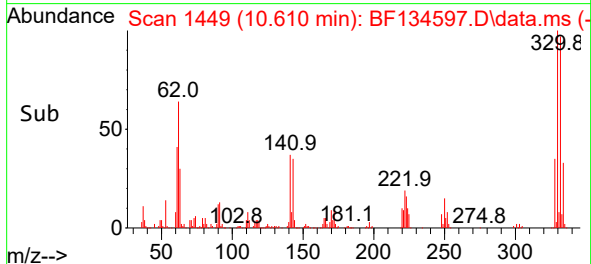
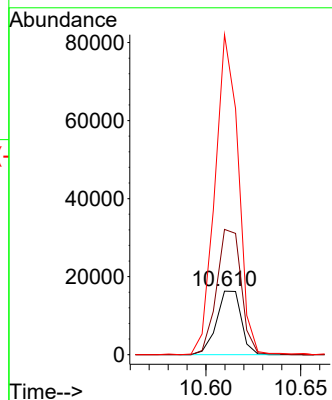
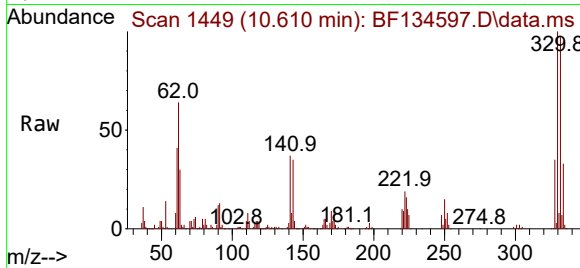




#67
4-Bromophenyl-phenylether
Concen: 3.177 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

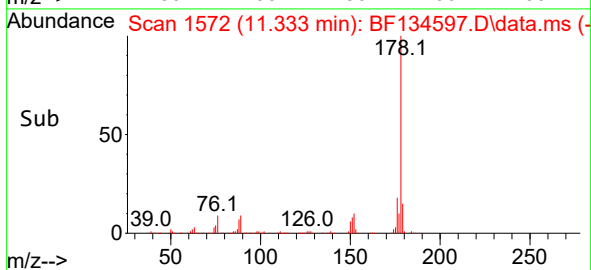
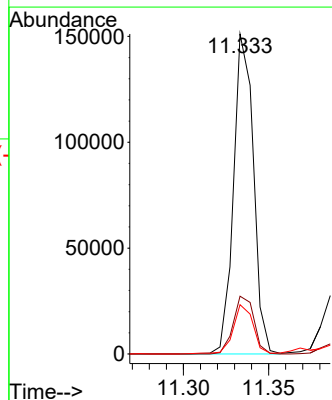
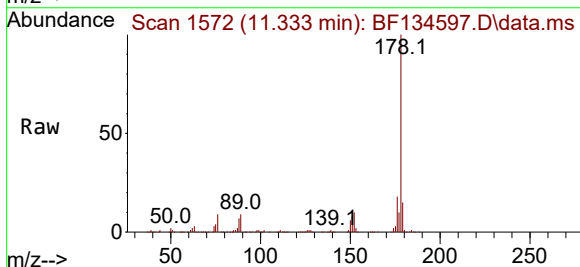
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)

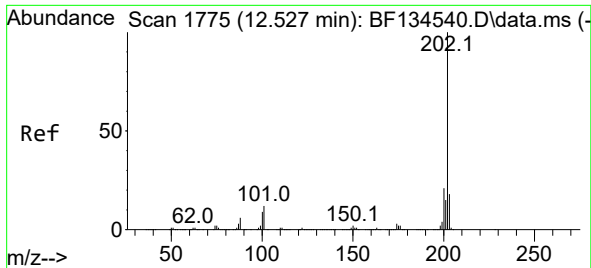
Tgt Ion:248 Resp: 14760
Ion Ratio Lower Upper
248 100
250 197.4 79.6 119.4#
141 503.9 59.6 89.4#



#71
Phenanthrene
Concen: 5.435 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

Tgt Ion:178 Resp: 122531
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 15.4 12.7 19.1

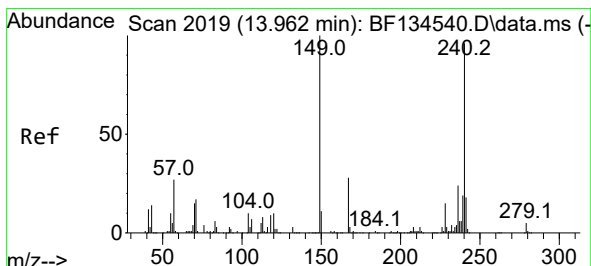
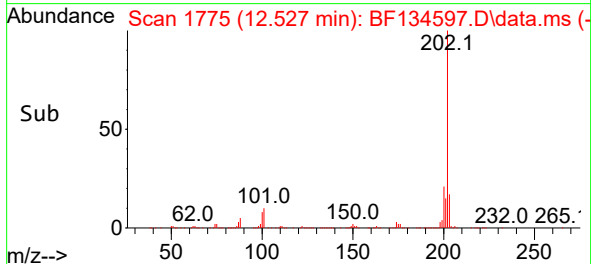
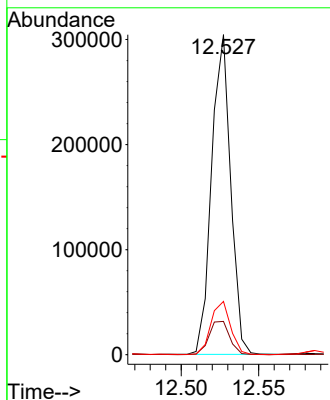
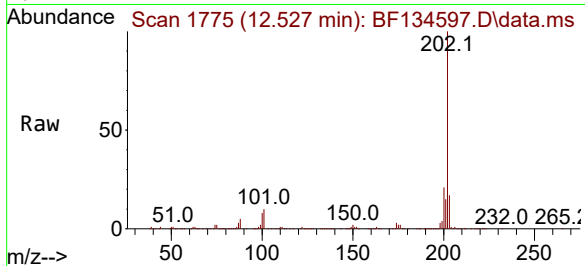




#75
Fluoranthene
Concen: 10.916 ng
RT: 12.527 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

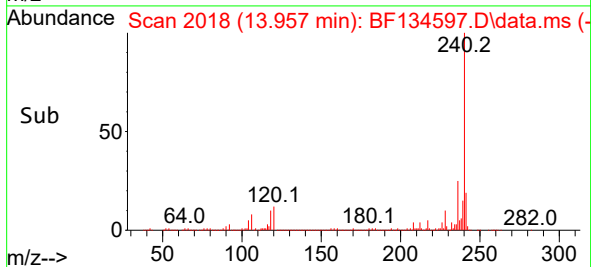
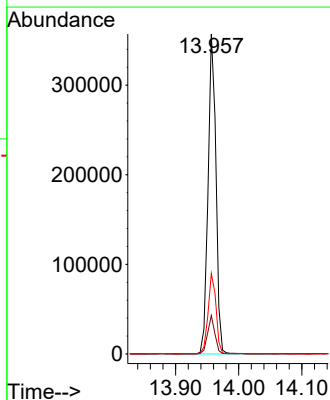
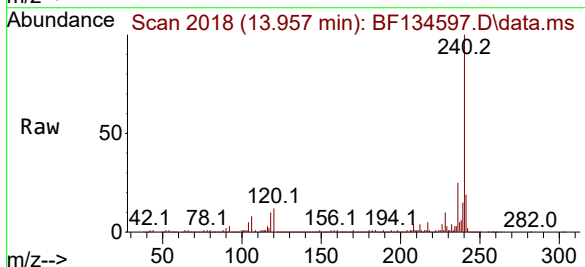
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)

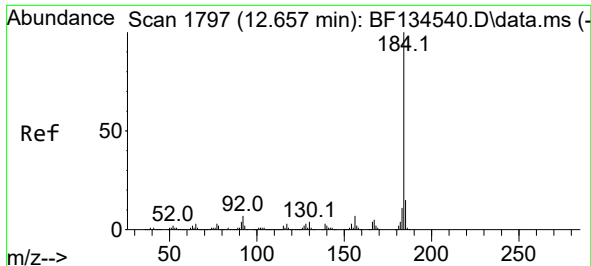
Tgt Ion:202 Resp: 259968
Ion Ratio Lower Upper
202 100
101 10.4 0.0 28.5
203 16.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

Tgt Ion:240 Resp: 310506
Ion Ratio Lower Upper
240 100
120 12.0 6.6 10.0#
236 25.2 20.2 30.2

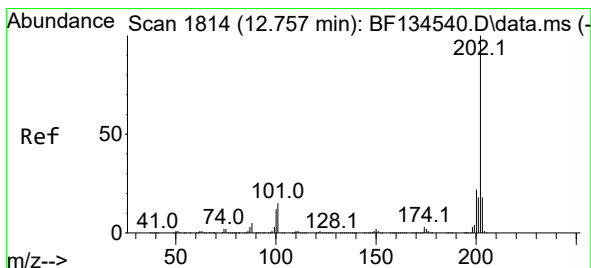
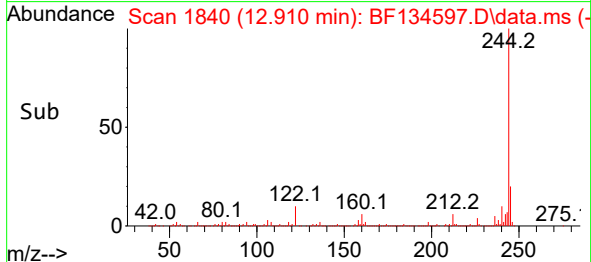
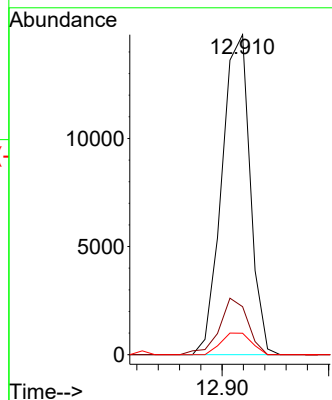
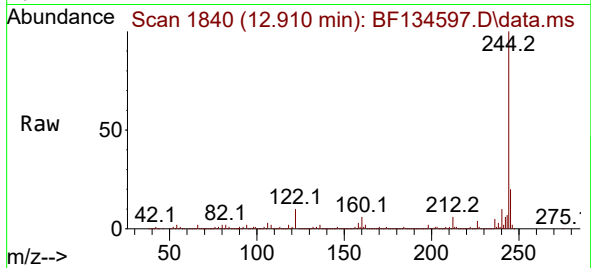




#77
Benzidine
Concen: 2.026 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.253 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

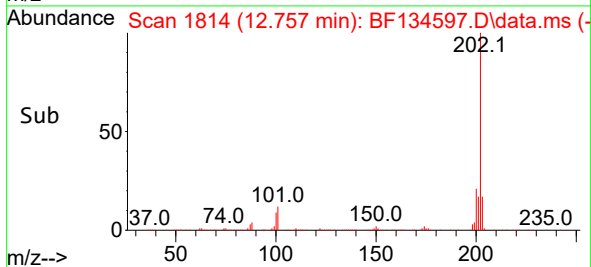
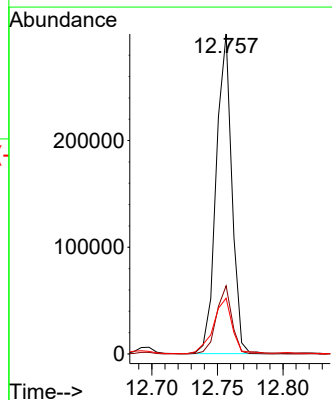
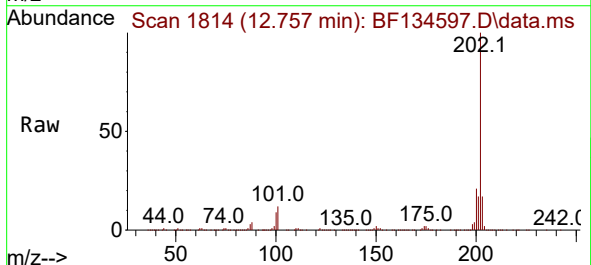
Instrument :
BNA_F
ClientSampleId :
RB-55-(2-5)

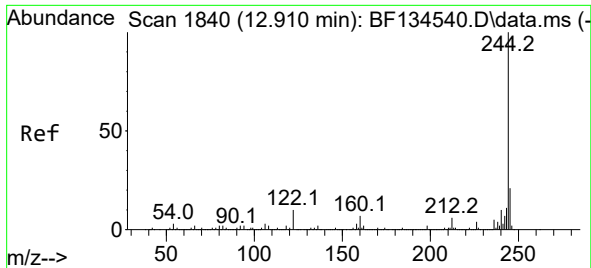
Tgt Ion:184 Resp: 13654
Ion Ratio Lower Upper
184 100
185 15.0 11.2 16.8
183 6.7 8.6 13.0#



#78
Pyrene
Concen: 9.267 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134597.D
Acq: 03 Aug 2023 00:23

Tgt Ion:202 Resp: 248989
Ion Ratio Lower Upper
202 100
200 21.3 15.8 23.8
203 17.4 13.5 20.3

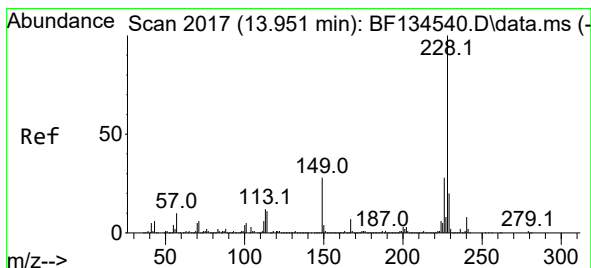
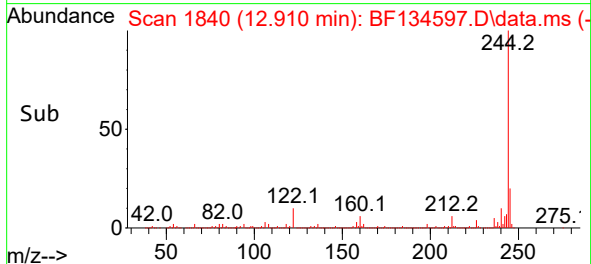
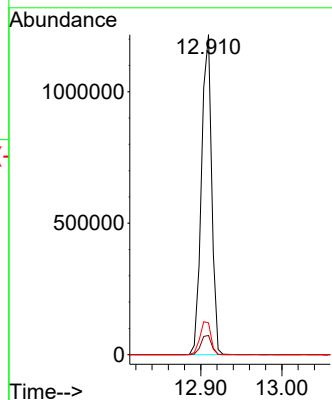
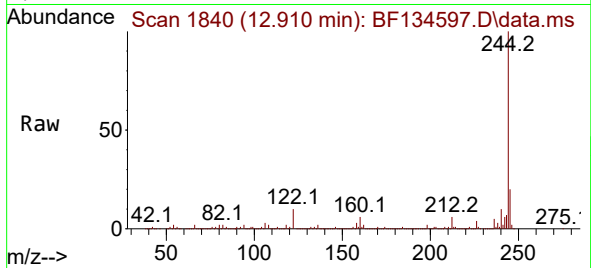




#79
 Terphenyl-d14
 Concen: 60.566 ng
 RT: 12.910 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF134597.D
 Acq: 03 Aug 2023 00:23

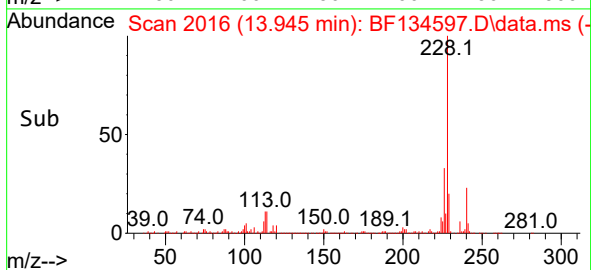
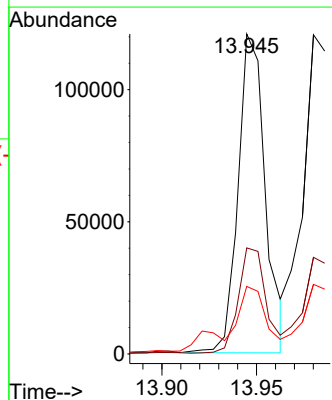
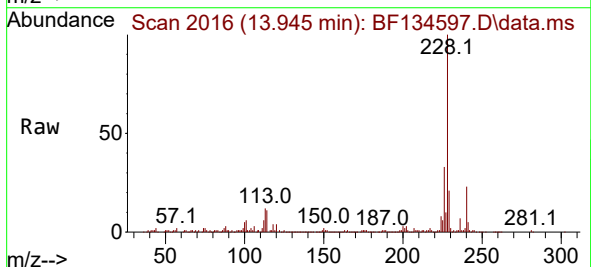
Instrument :
 BNA_F
 ClientSampleId :
 RB-55-(2-5)

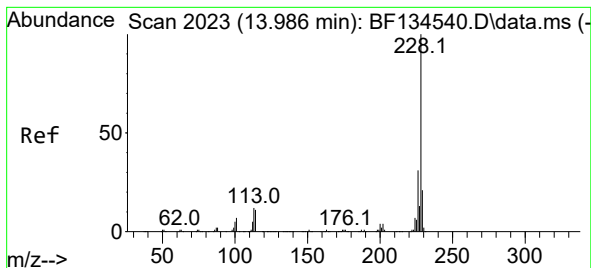
Tgt Ion:244 Resp: 1066787
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.6 8.4
 122 10.0 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 5.423 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF134597.D
 Acq: 03 Aug 2023 00:23

Tgt Ion:228 Resp: 120405
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.3 33.5
 229 21.1 15.8 23.6





#83

Chrysene

Concen: 5.641 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

Instrument :

BNA_F

ClientSampleId :

RB-55-(2-5)

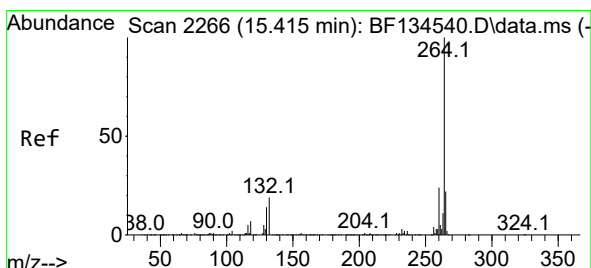
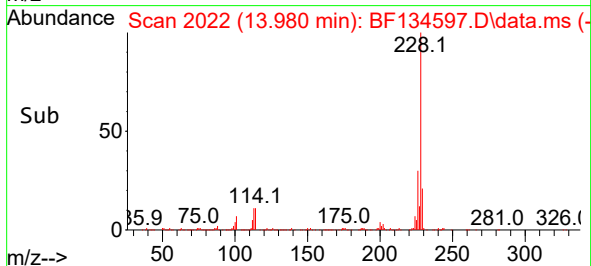
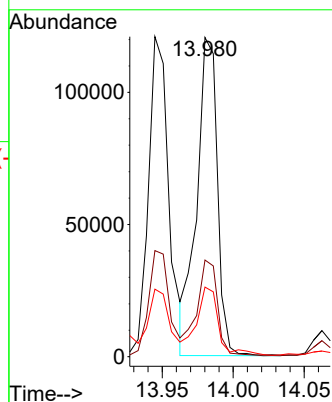
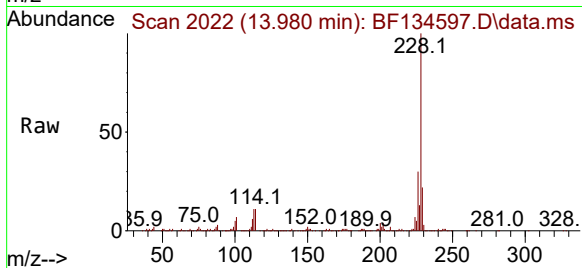
Tgt Ion:228 Resp: 122032

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 21.8 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.006 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

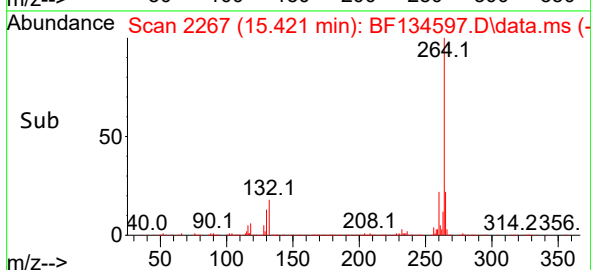
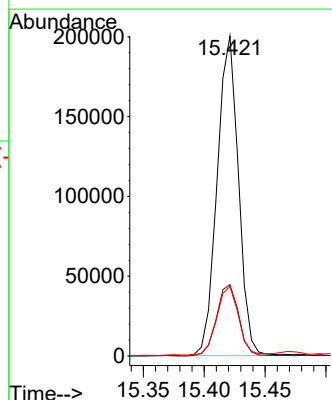
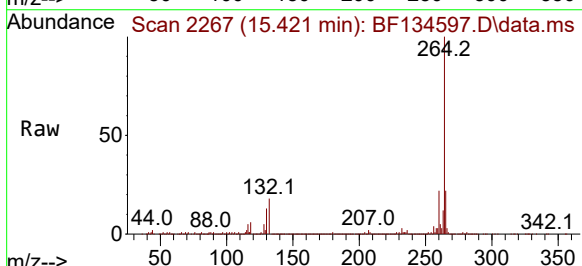
Tgt Ion:264 Resp: 244341

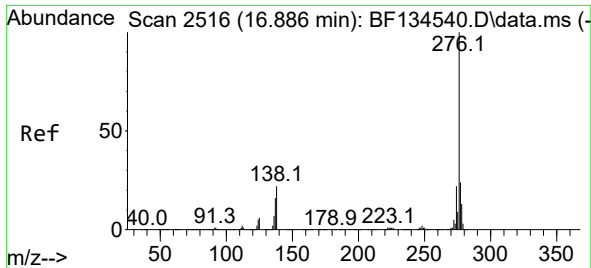
Ion Ratio Lower Upper

264 100

260 22.3 18.4 27.6

265 21.7 15.8 23.8

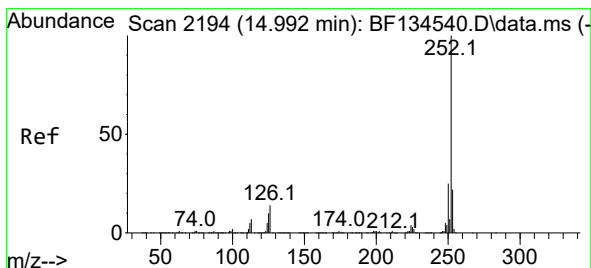
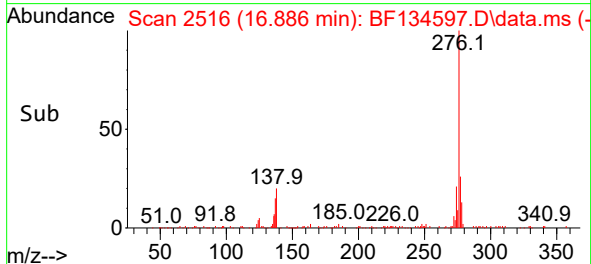
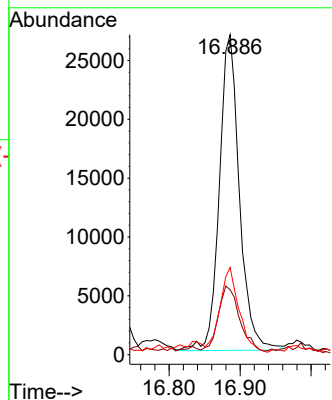
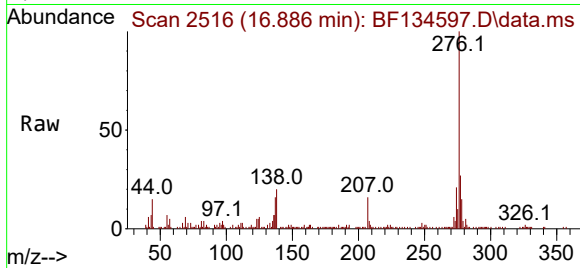




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.661 ng
 RT: 16.886 min Scan# 2194
 Delta R.T. 0.000 min
 Lab File: BF134597.D
 Acq: 03 Aug 2023 00:23

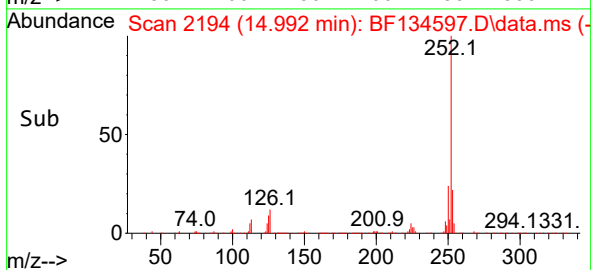
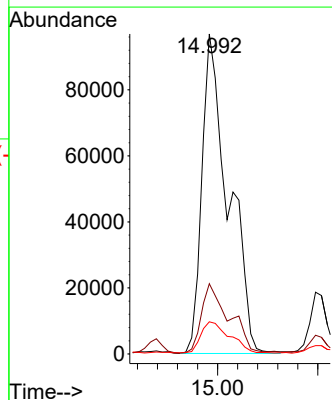
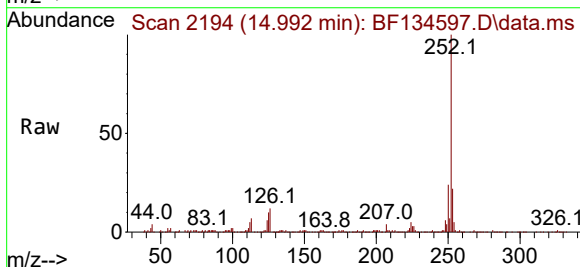
Instrument :
 BNA_F
 ClientSampleId :
 RB-55-(2-5)

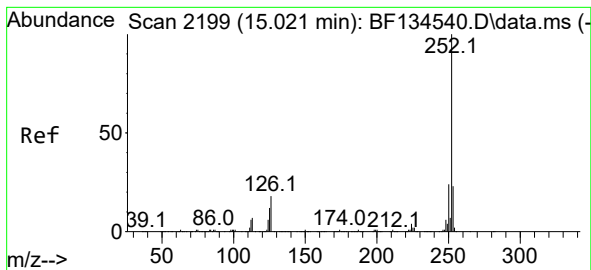
Tgt Ion:276 Resp: 52604
 Ion Ratio Lower Upper
 276 100
 138 21.4 14.2 21.4#
 277 25.7 19.9 29.9



#88
 Benzo(b)fluoranthene
 Concen: 11.931 ng
 RT: 14.992 min Scan# 2194
 Delta R.T. 0.000 min
 Lab File: BF134597.D
 Acq: 03 Aug 2023 00:23

Tgt Ion:252 Resp: 177796
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.3 25.9
 125 10.1 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 11.977 ng

RT: 14.992 min Scan# 2199

Delta R.T. -0.029 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

Instrument :

BNA_F

ClientSampleId :

RB-55-(2-5)

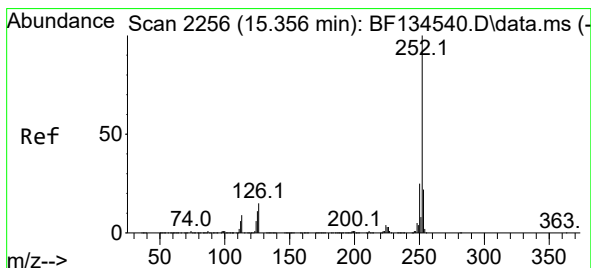
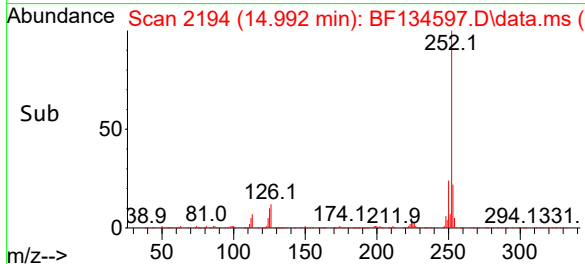
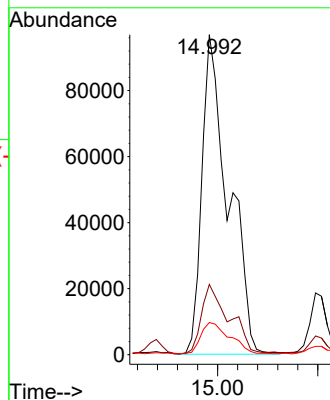
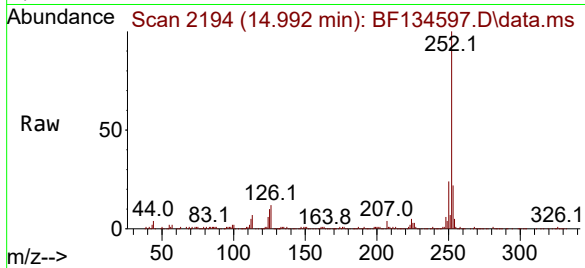
Tgt Ion:252 Resp: 177796

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

125 10.1 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 6.413 ng

RT: 15.356 min Scan# 2256

Delta R.T. 0.000 min

Lab File: BF134597.D

Acq: 03 Aug 2023 00:23

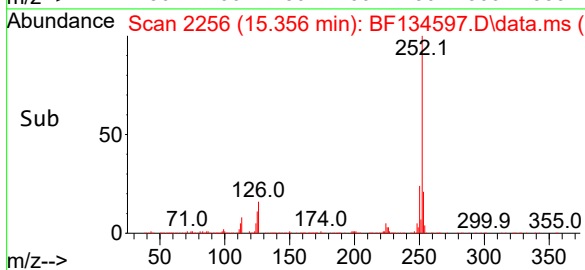
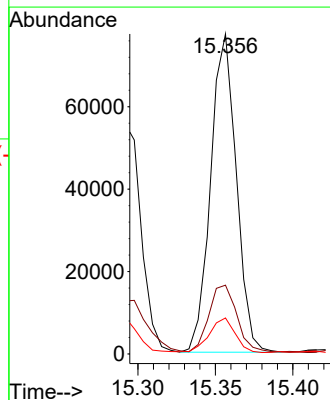
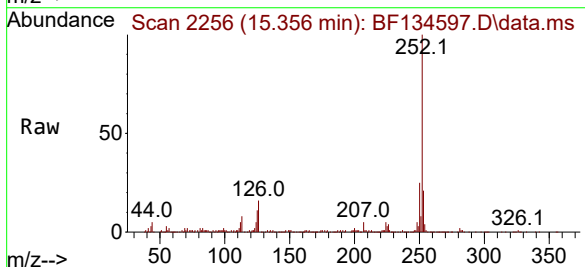
Tgt Ion:252 Resp: 89108

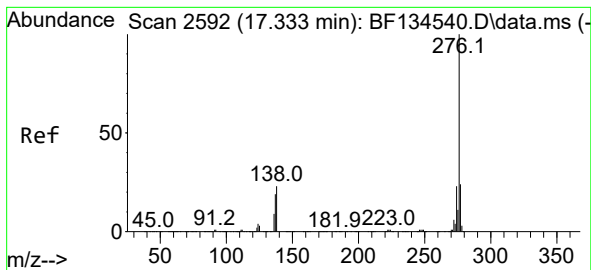
Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.4

125 11.2 6.2 9.4#





#92

Benzo(g,h,i)perylene

Concen: 4.114 ng

RT: 17.327 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF134597.D

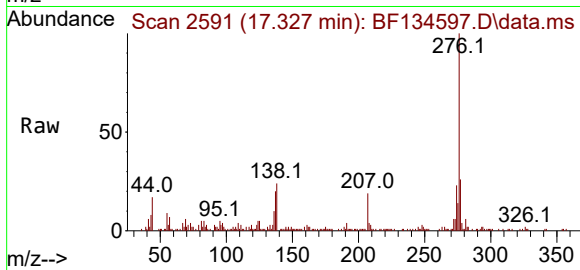
Acq: 03 Aug 2023 00:23

Instrument :

BNA_F

ClientSampleId :

RB-55-(2-5)



Tgt Ion: 276 Resp: 48742

Ion Ratio Lower Upper

276 100

277 26.3 19.0 28.6

138 24.3 12.2 18.2#

