

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080123\
 Data File : BF134557.D
 Acq On : 01 Aug 2023 19:56
 Operator : CG\JU
 Sample : 03645-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-(1-5)

Quant Time: Aug 02 02:45:35 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)

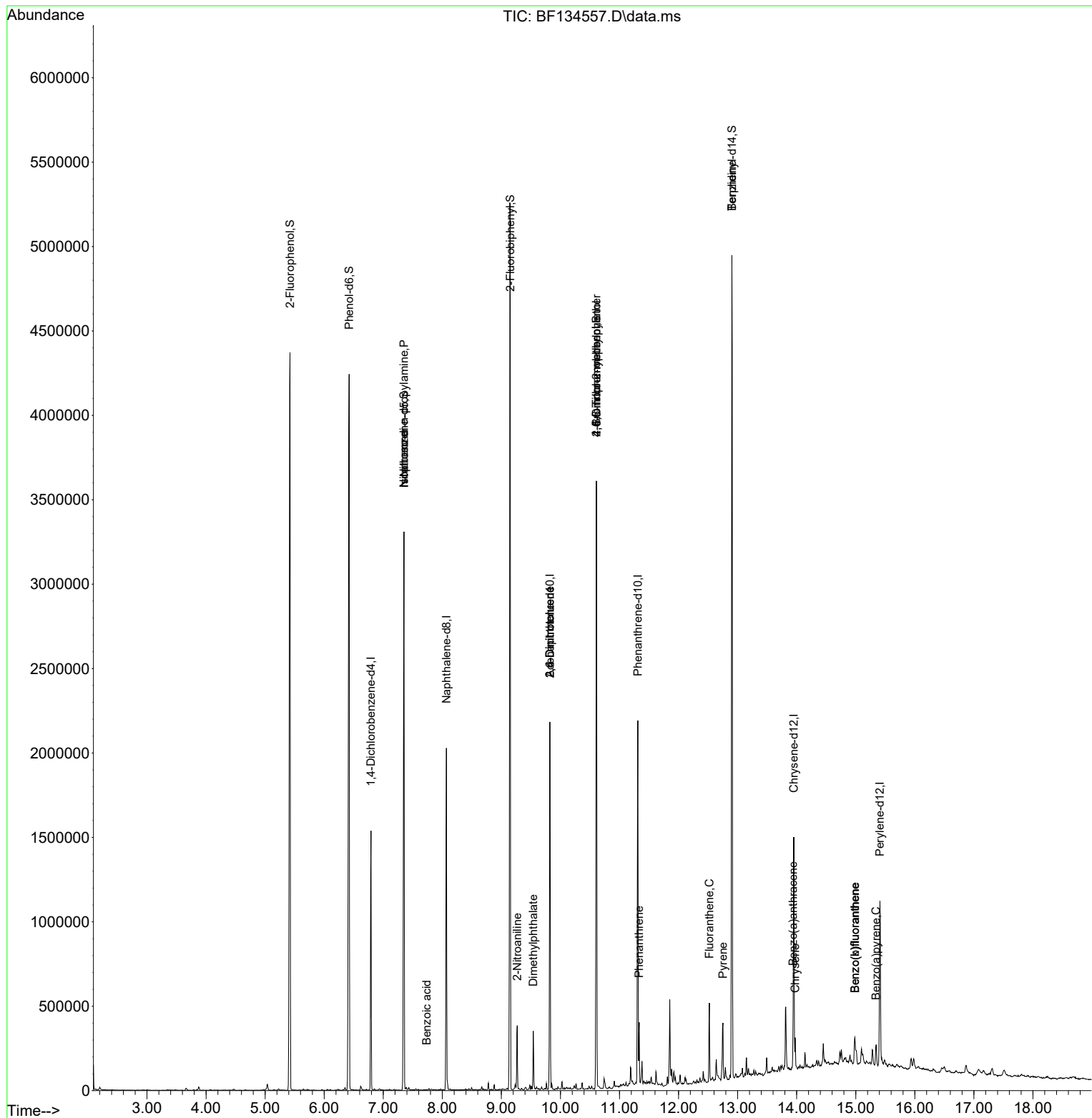
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	205461	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	825053	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	411202	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	731340	20.000	ng	# 0.00
76) Chrysene-d12	13.951	240	404523	20.000	ng	#-0.01
86) Perylene-d12	15.409	264	444719	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1334501	98.733	ng	0.00
7) Phenol-d6	6.422	99	1743004	100.880	ng	0.00
23) Nitrobenzene-d5	7.351	82	1024388	77.591	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	461559	110.110	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1787663	72.284	ng	0.00
79) Terphenyl-d14	12.904	244	1841570	80.254	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.339	77	710	Below Cal	#	81
19) n-Nitroso-di-n-propyla...	7.351	70	139485	13.484	ng	# 73
25) Isophorone	7.351	82	1023233	35.534	ng	# 65
32) Benzoic acid	7.734	122	391	7.906	ng	88
48) 2-Nitroaniline	9.269	65	3812	3.643	ng	# 16
50) Dimethylphthalate	9.539	163	115439	4.119	ng	99
51) 2,6-Dinitrotoluene	9.822	165	54453	11.485	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	54453	10.236	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	1073	8.996	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	28358	3.542	ng	# 1
71) Phenanthrene	11.333	178	124814	3.213	ng	97
75) Fluoranthene	12.521	202	168499	4.106	ng	97
77) Benzidine	12.904	184	22534	2.566	ng	# 93
78) Pyrene	12.751	202	134768	3.850	ng	98
81) Benzo(a)anthracene	13.939	228	68997	2.385	ng	95
83) Chrysene	13.974	228	63532	2.254	ng	96
88) Benzo(b)fluoranthene	14.986	252	117847	4.345	ng	# 95
89) Benzo(k)fluoranthene	14.986	252	117847	4.362	ng	# 94
90) Benzo(a)pyrene	15.345	252	57025	2.255	ng	# 92

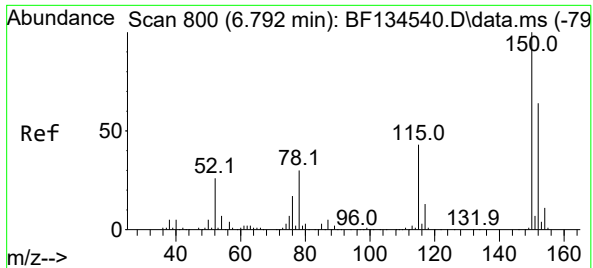
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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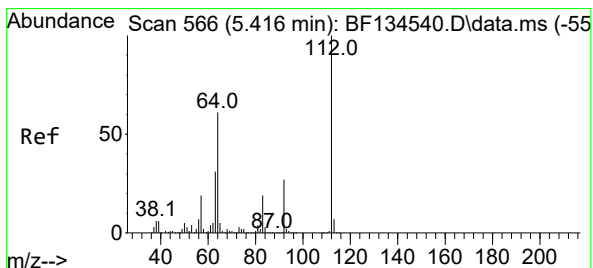
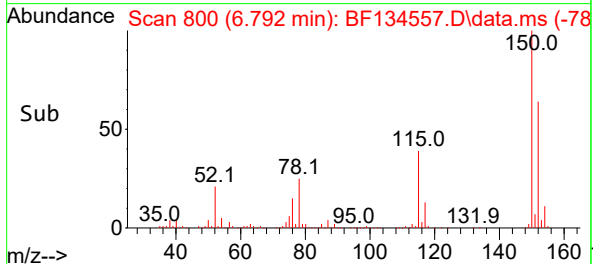
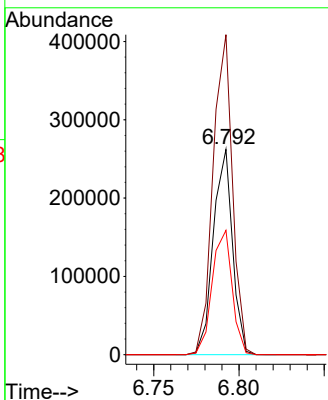
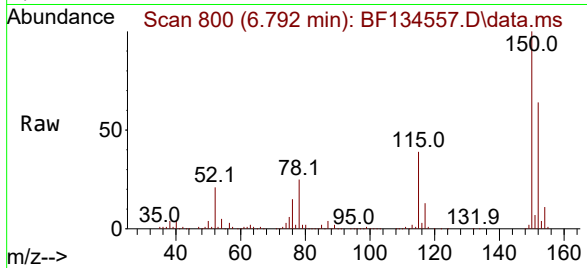




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

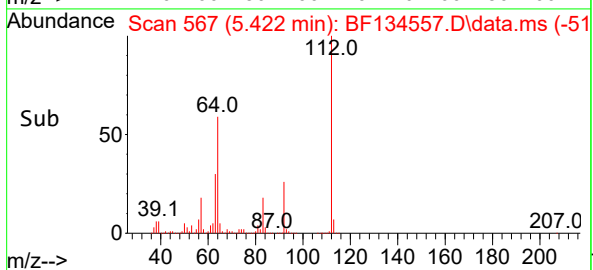
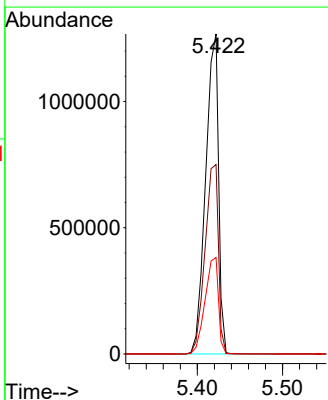
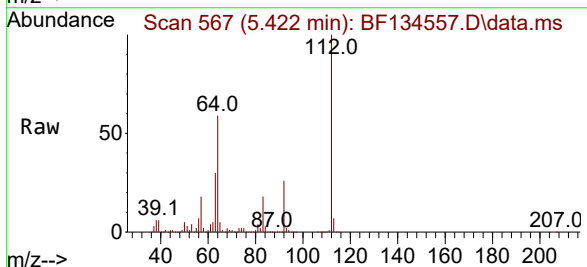
Instrument :
BNA_F
ClientSampleId :
SB-04-(1-5)

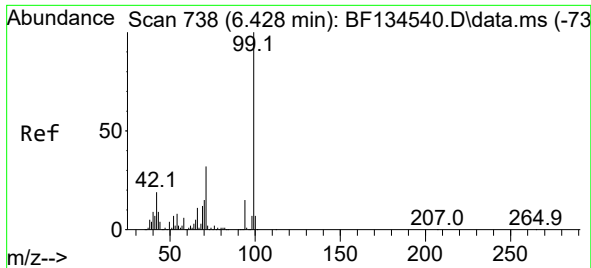
Tgt Ion:152 Resp: 205461
Ion Ratio Lower Upper
152 100
150 155.9 128.3 192.5
115 60.6 52.4 78.6



#5
2-Fluorophenol
Concen: 98.733 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

Tgt Ion:112 Resp: 1334501
Ion Ratio Lower Upper
112 100
64 59.2 44.9 67.3
63 30.1 25.4 38.0

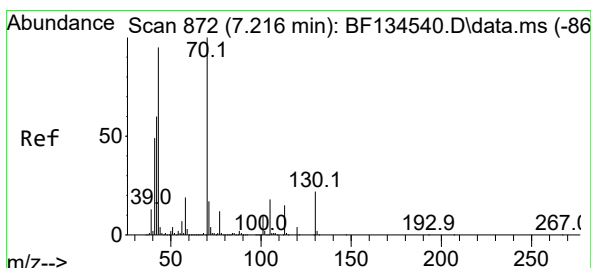
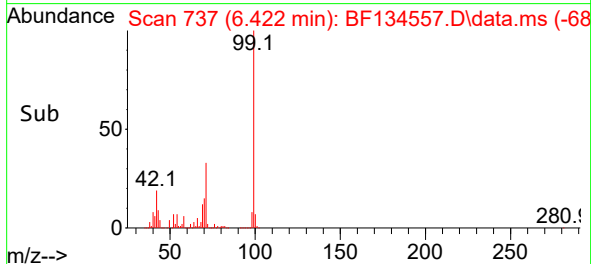
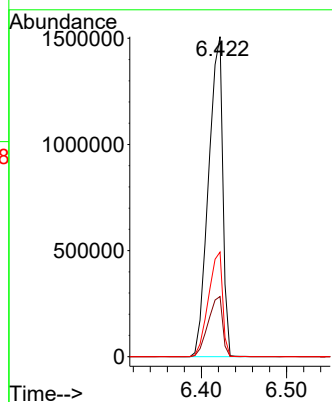
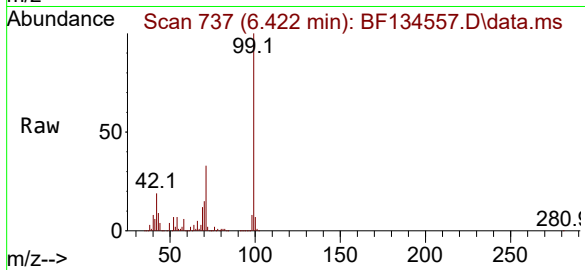




#7
Phenol-d6
Concen: 100.880 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

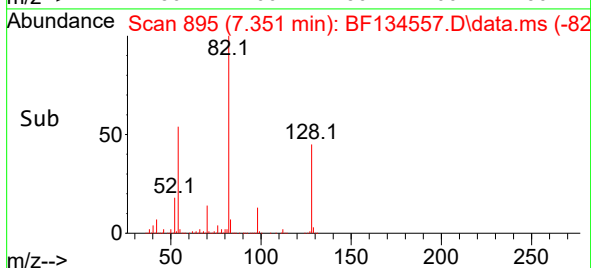
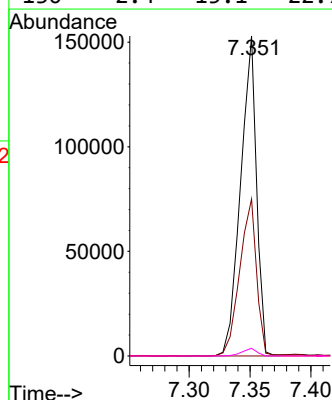
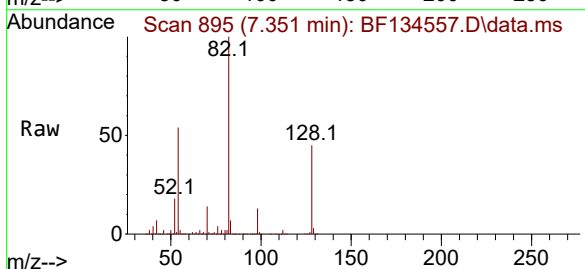
Instrument :
BNA_F
ClientSampleId :
SB-04-(1-5)

Tgt Ion: 99 Resp: 1743004
Ion Ratio Lower Upper
99 100
42 18.8 18.7 28.1
71 32.7 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 13.484 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

Tgt Ion: 70 Resp: 139485
Ion Ratio Lower Upper
70 100
42 49.1 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# 1

Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

Instrument :

BNA_F

ClientSampleId :

SB-04-(1-5)

Tgt Ion:136 Resp: 825053

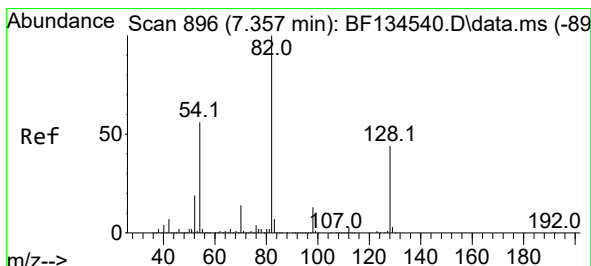
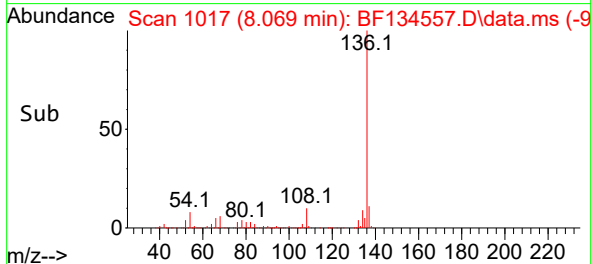
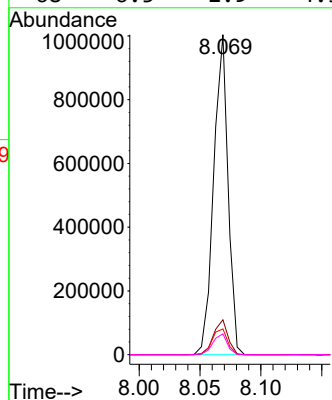
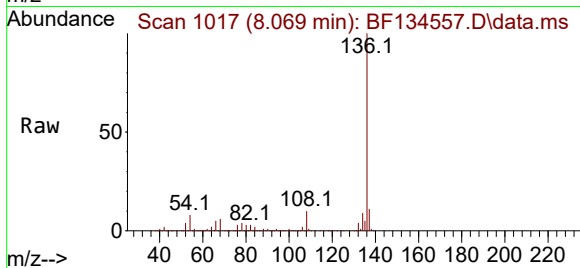
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.1 5.2 7.8#

68 6.5 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 77.591 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

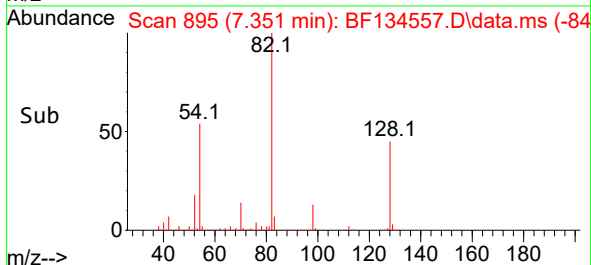
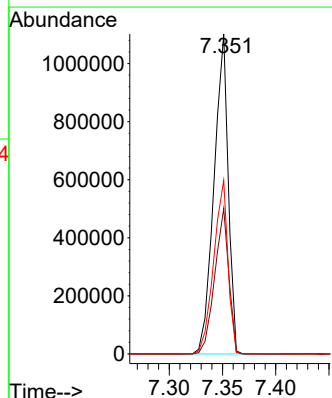
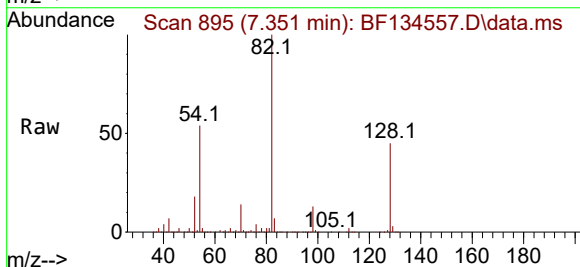
Tgt Ion: 82 Resp: 1024388

Ion Ratio Lower Upper

82 100

128 45.4 34.3 51.5

54 54.2 43.8 65.6

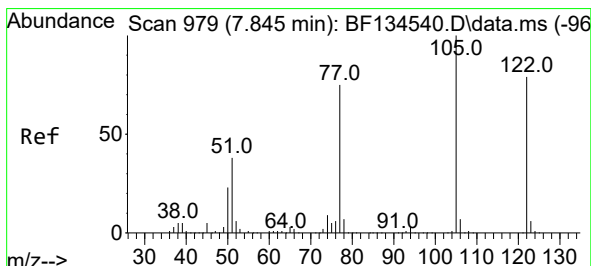
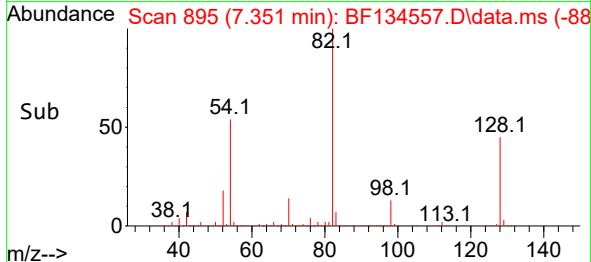
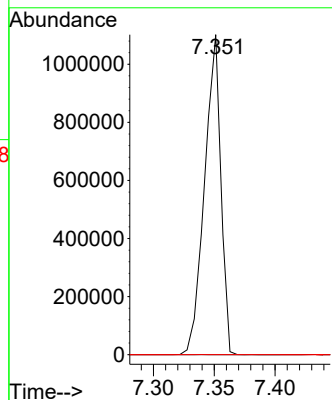
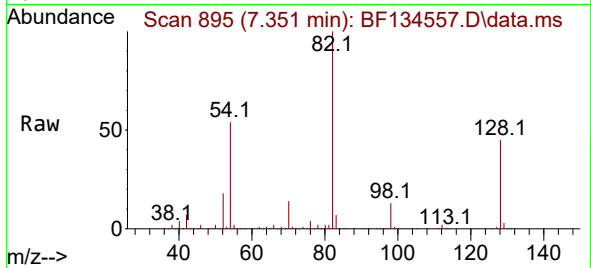




#25
Isophorone
Concen: 35.534 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

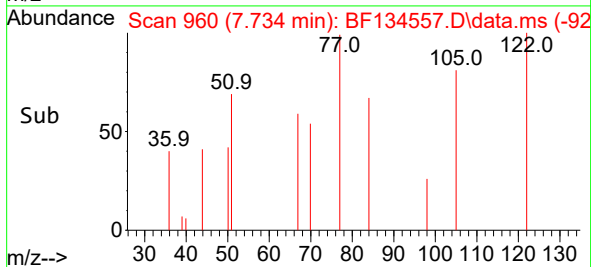
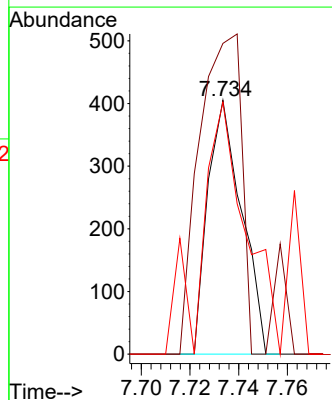
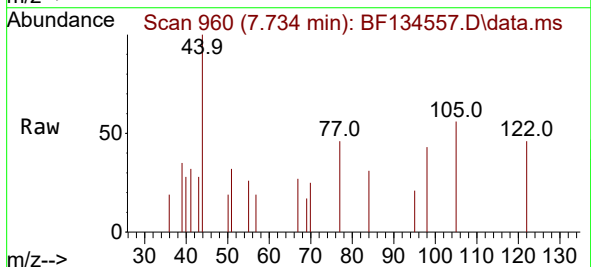
Instrument :
BNA_F
ClientSampleId :
SB-04-(1-5)

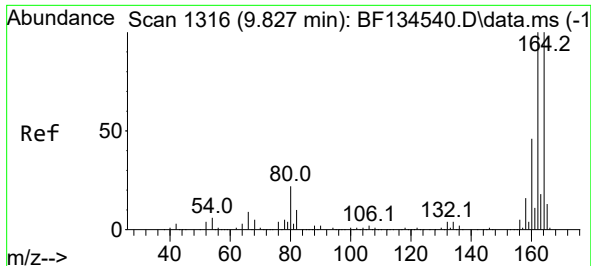
Tgt Ion: 82 Resp: 1023233
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.906 ng
RT: 7.734 min Scan# 960
Delta R.T. -0.111 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

Tgt Ion: 122 Resp: 391
Ion Ratio Lower Upper
122 100
105 122.5 87.5 127.5
77 99.3 71.4 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

Instrument :

BNA_F

ClientSampleId :

SB-04-(1-5)

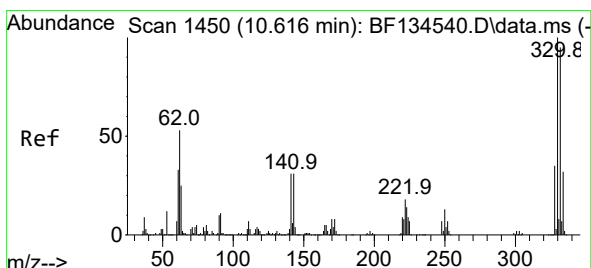
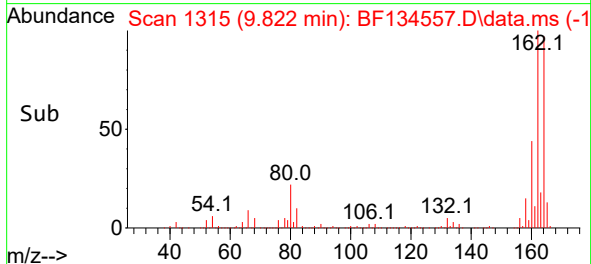
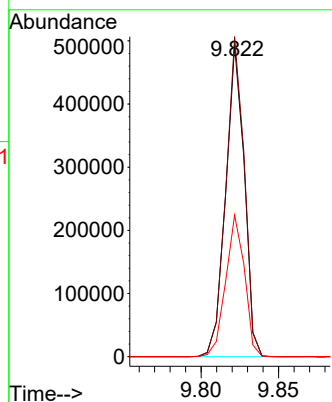
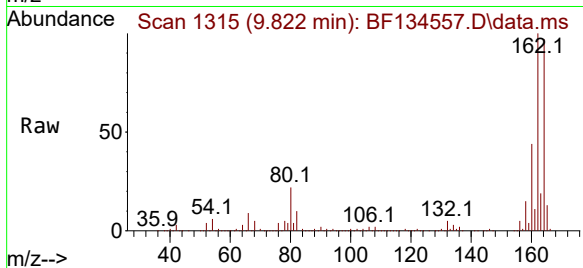
Tgt Ion:164 Resp: 411202

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

160 45.5 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 110.110 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

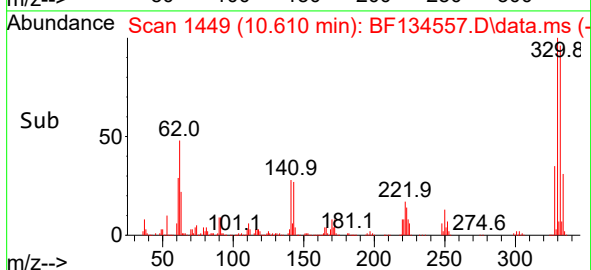
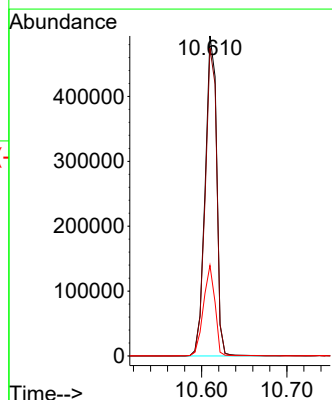
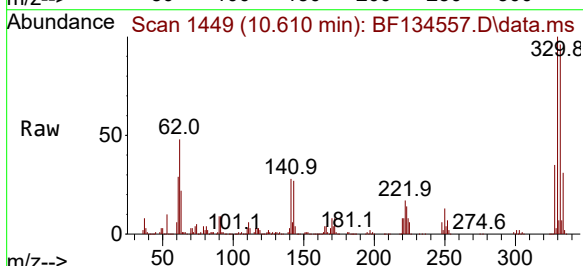
Tgt Ion:330 Resp: 461559

Ion Ratio Lower Upper

330 100

332 96.5 78.8 118.2

141 28.6 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 72.284 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

Instrument :

BNA_F

ClientSampleId :

SB-04-(1-5)

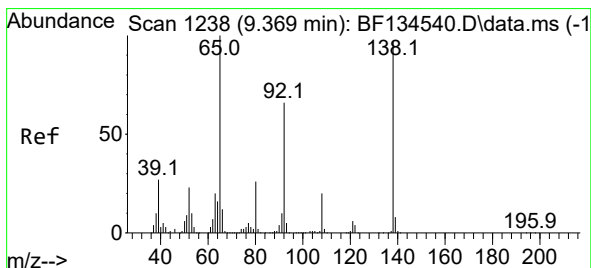
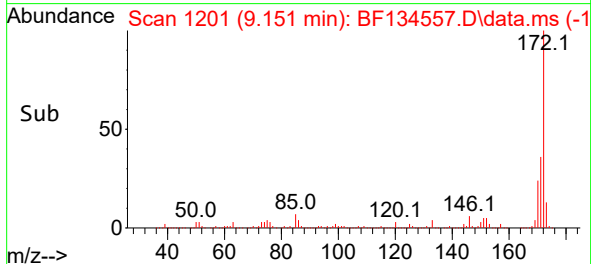
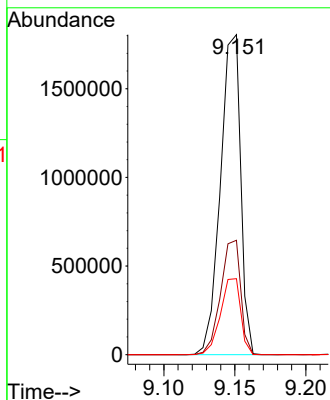
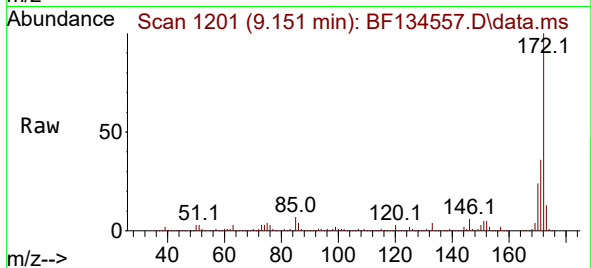
Tgt Ion:172 Resp: 1787663

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.8 18.7 28.1



#48

2-Nitroaniline

Concen: 3.643 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.100 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

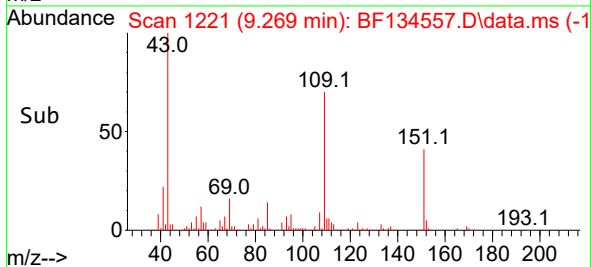
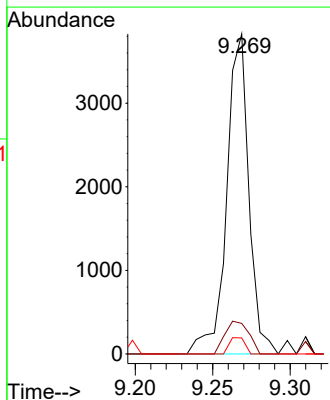
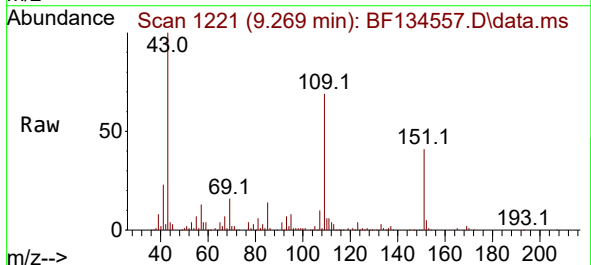
Tgt Ion: 65 Resp: 3812

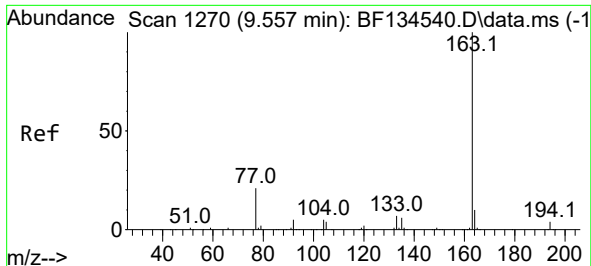
Ion Ratio Lower Upper

65 100

92 9.5 50.7 76.1#

138 5.0 78.2 117.4#

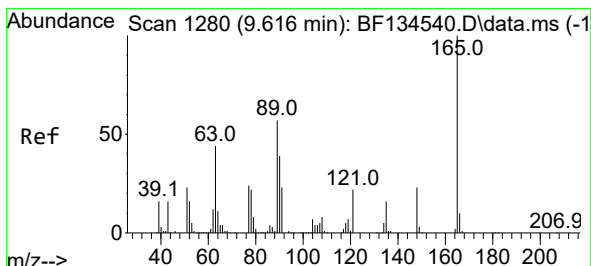
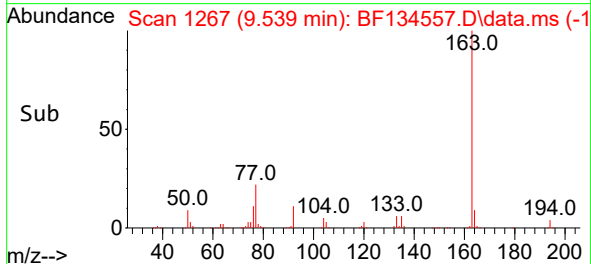
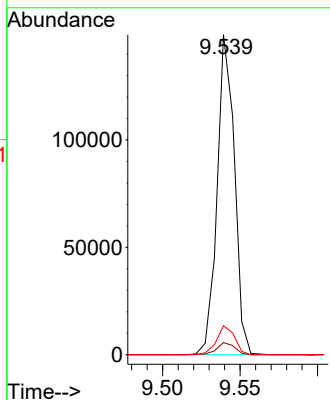
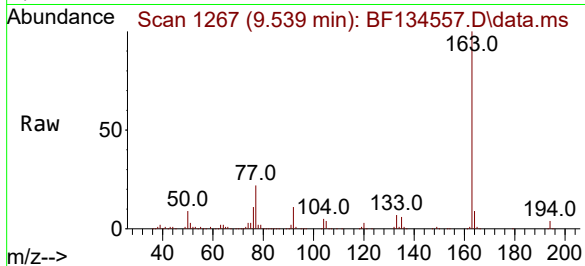




#50
 Dimethylphthalate
 Concen: 4.119 ng
 RT: 9.539 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF134557.D
 Acq: 01 Aug 2023 19:56

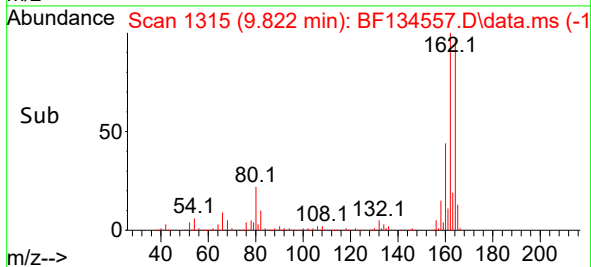
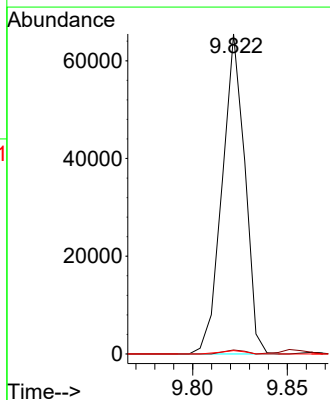
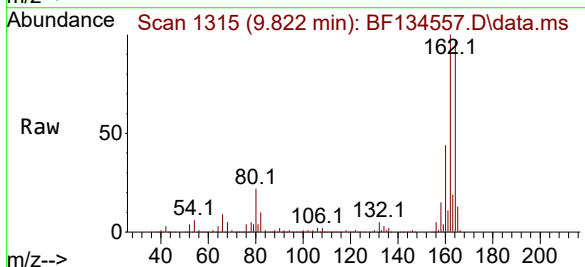
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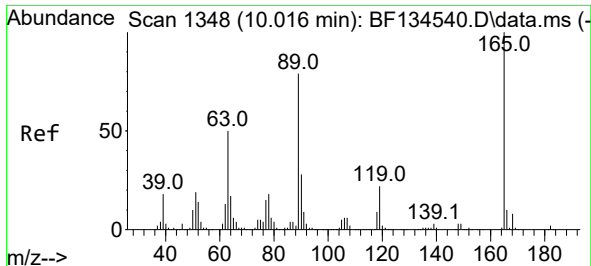
Tgt Ion:163 Resp: 115439
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.3 4.9
 164 9.1 7.5 11.3



#51
 2,6-Dinitrotoluene
 Concen: 11.485 ng
 RT: 9.822 min Scan# 1315
 Delta R.T. 0.206 min
 Lab File: BF134557.D
 Acq: 01 Aug 2023 19:56

Tgt Ion:165 Resp: 54453
 Ion Ratio Lower Upper
 165 100
 63 1.2 57.8 86.6#
 89 1.1 51.8 77.8#

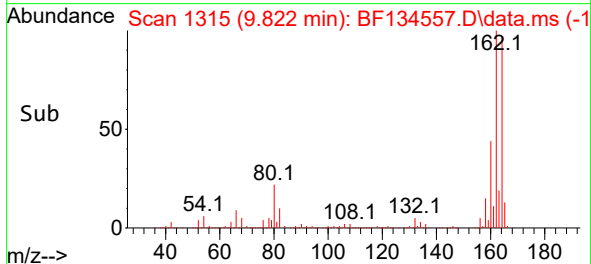
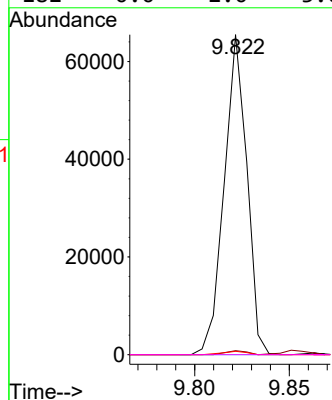
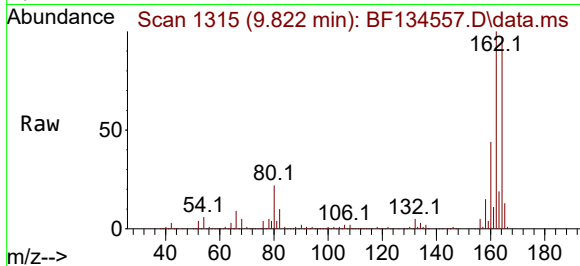




#57
2,4-Dinitrotoluene
Concen: 10.236 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

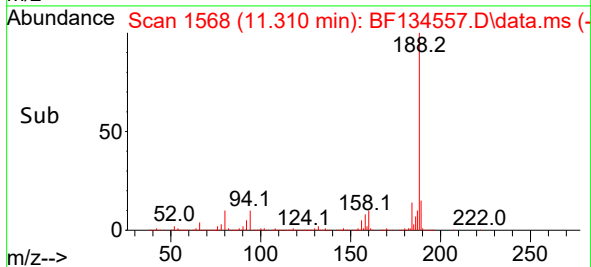
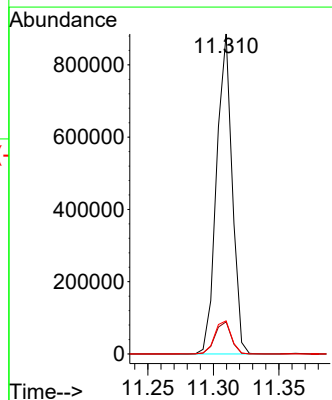
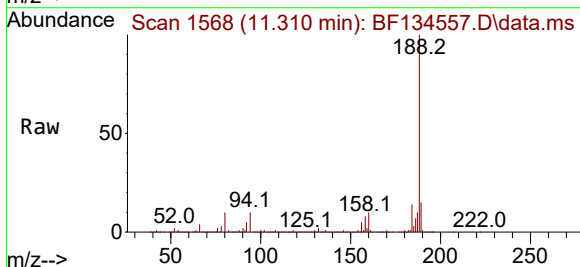
Instrument :
BNA_F
ClientSampleId :
SB-04-(1-5)

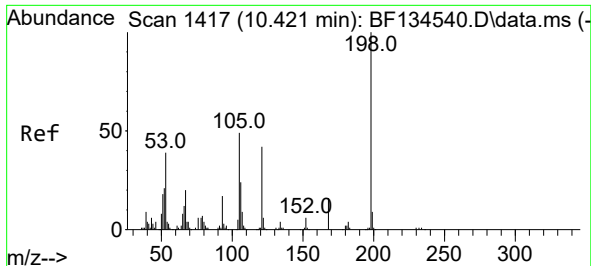
Tgt Ion:165 Resp: 54453
Ion Ratio Lower Upper
165 100
63 1.2 48.9 73.3#
89 1.1 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

Tgt Ion:188 Resp: 731340
Ion Ratio Lower Upper
188 100
94 10.0 5.1 7.7#
80 10.4 6.6 9.8#

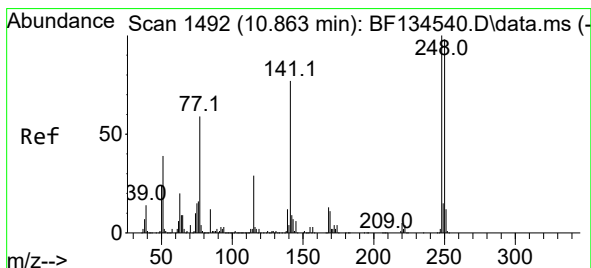
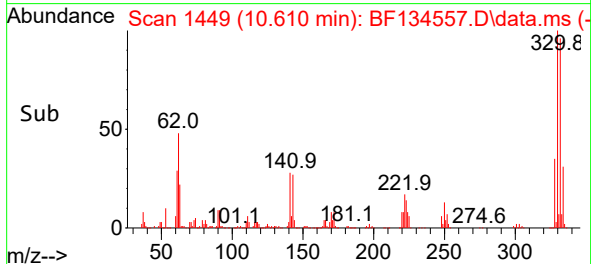
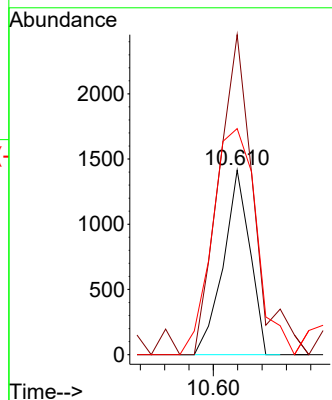
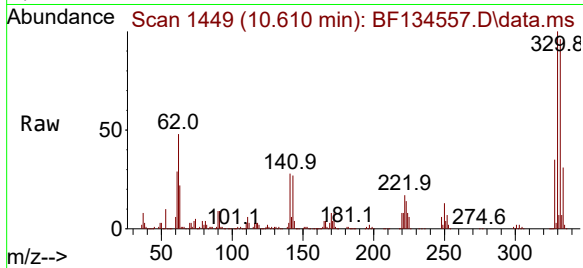




#65
4,6-Dinitro-2-methylphenol
Concen: 8.996 ng
RT: 10.610 min Scan# 1417
Delta R.T. 0.189 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

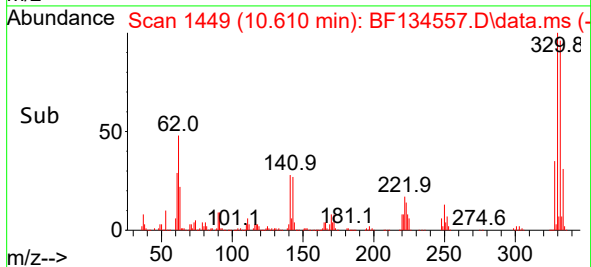
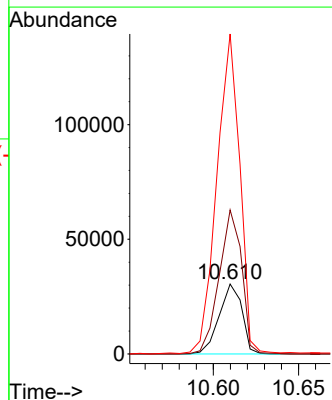
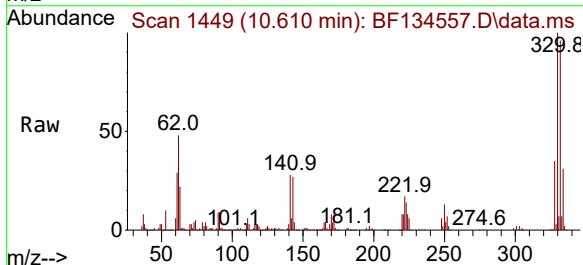
Instrument :
BNA_F
ClientSampleId :
SB-04-(1-5)

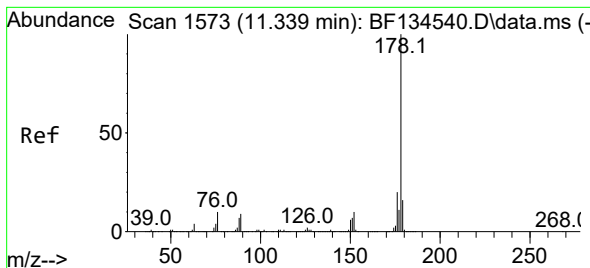
Tgt Ion:198 Resp: 1073
Ion Ratio Lower Upper
198 100
51 173.4 38.6 78.6#
105 122.5 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 3.542 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.253 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

Tgt Ion:248 Resp: 28358
Ion Ratio Lower Upper
248 100
250 206.3 79.6 119.4#
141 458.1 59.6 89.4#





#71

Phenanthrene

Concen: 3.213 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

Instrument :

BNA_F

ClientSampleId :

SB-04-(1-5)

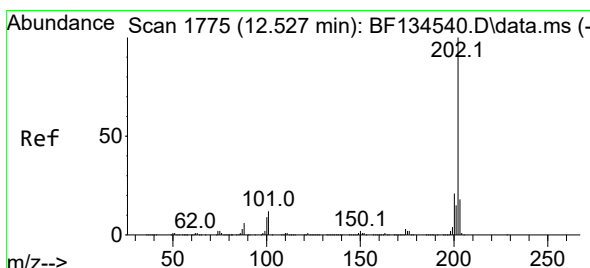
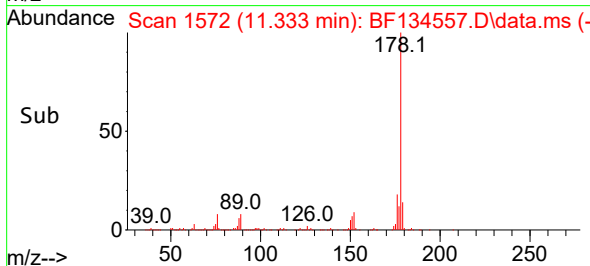
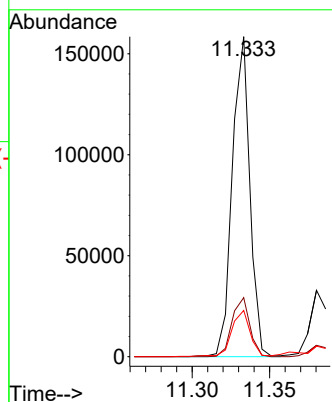
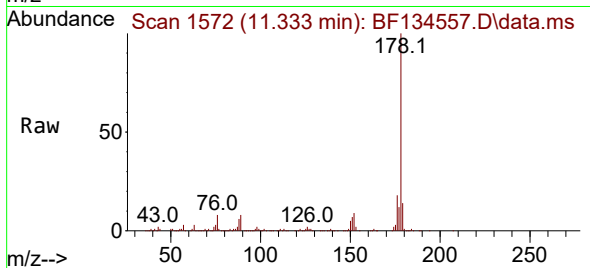
Tgt Ion:178 Resp: 124814

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.6

179 14.5 12.7 19.1



#75

Fluoranthene

Concen: 4.106 ng

RT: 12.521 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

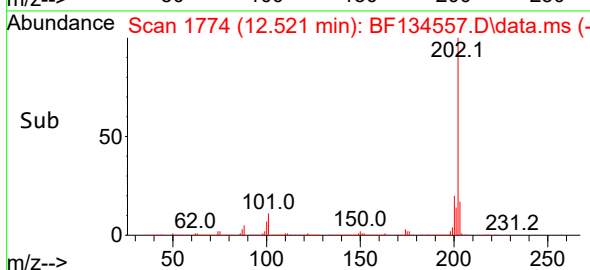
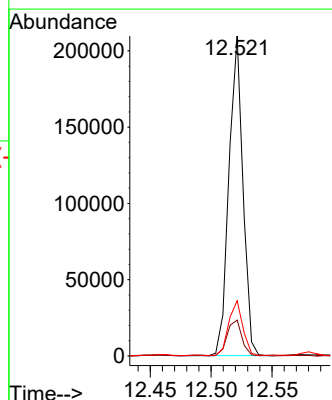
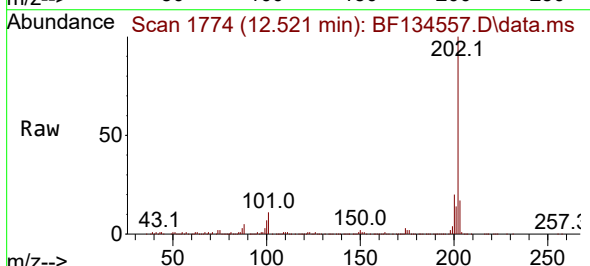
Tgt Ion:202 Resp: 168499

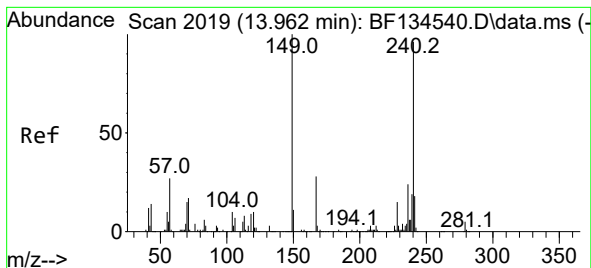
Ion Ratio Lower Upper

202 100

101 11.2 0.0 28.5

203 17.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

Instrument :

BNA_F

ClientSampleId :

SB-04-(1-5)

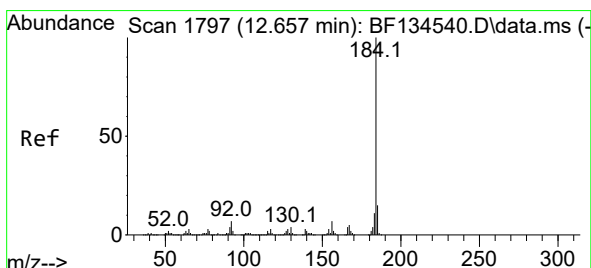
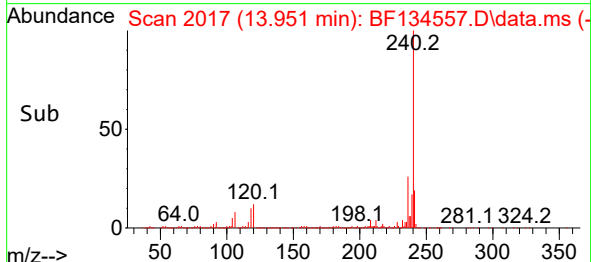
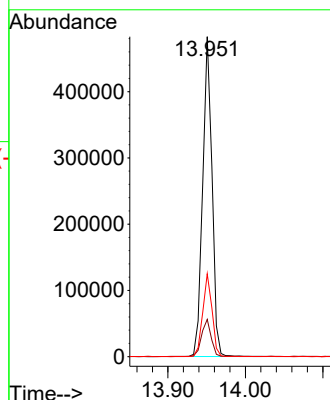
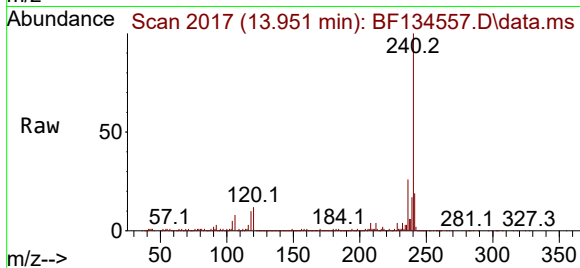
Tgt Ion:240 Resp: 404523

Ion Ratio Lower Upper

240 100

120 11.7 6.6 10.0#

236 25.9 20.2 30.2



#77

Benzidine

Concen: 2.566 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.247 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

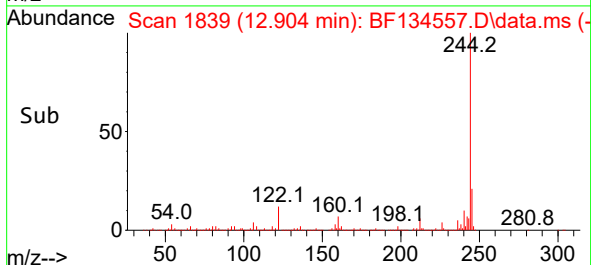
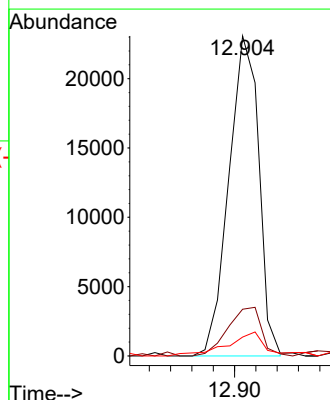
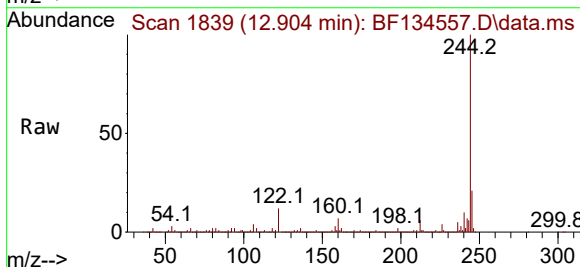
Tgt Ion:184 Resp: 22534

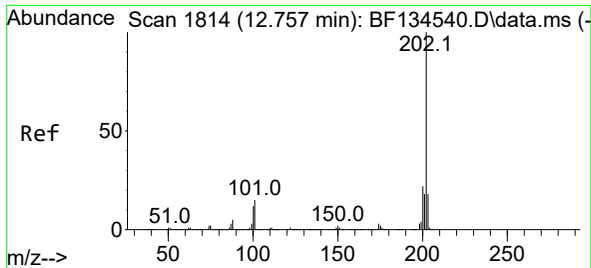
Ion Ratio Lower Upper

184 100

185 14.6 11.2 16.8

183 5.9 8.6 13.0#

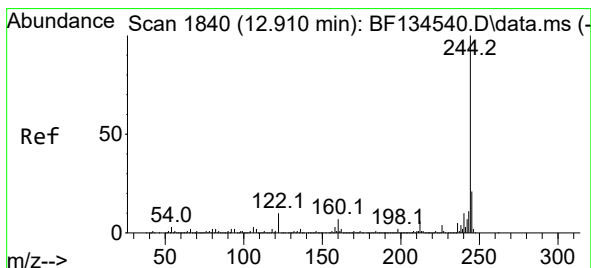
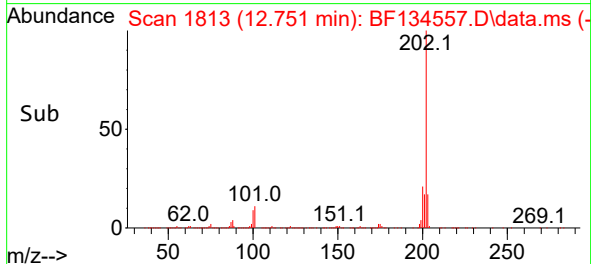
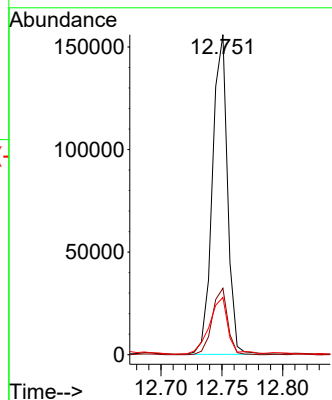
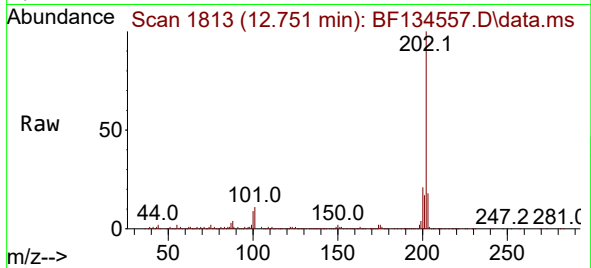




#78
Pyrene
Concen: 3.850 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

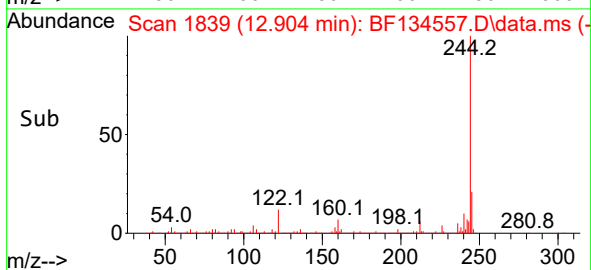
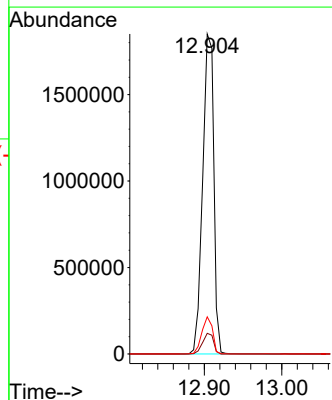
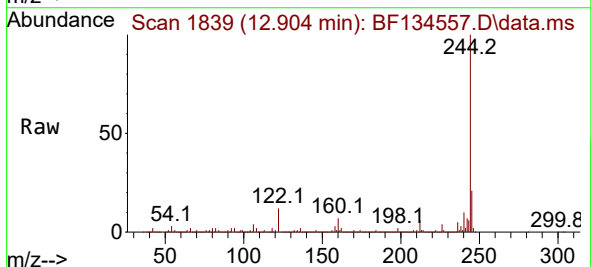
Instrument :
BNA_F
ClientSampleId :
SB-04-(1-5)

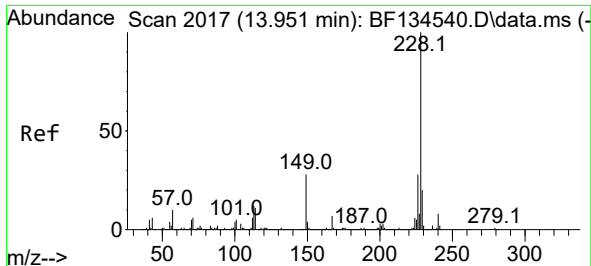
Tgt Ion:202 Resp: 134768
Ion Ratio Lower Upper
202 100
200 20.8 15.8 23.8
203 17.9 13.5 20.3



#79
Terphenyl-d14
Concen: 80.254 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

Tgt Ion:244 Resp: 1841570
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 11.6 8.0 12.0

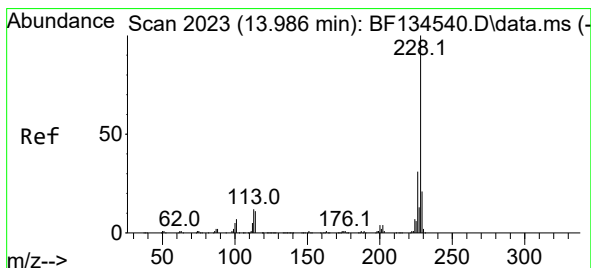
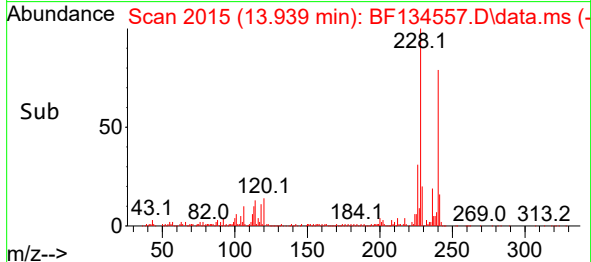
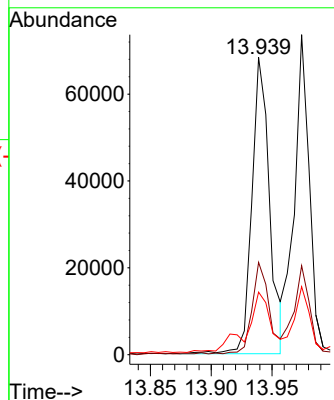
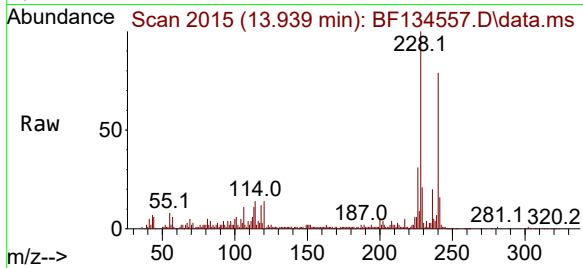




#81
Benzo(a)anthracene
Concen: 2.385 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

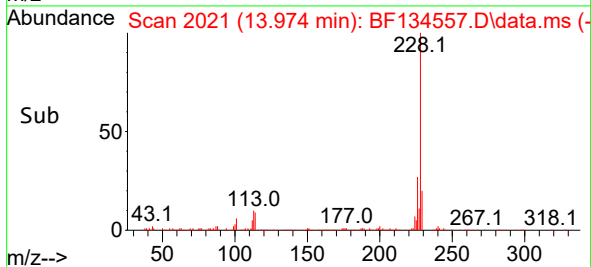
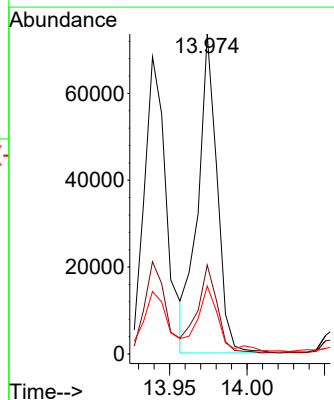
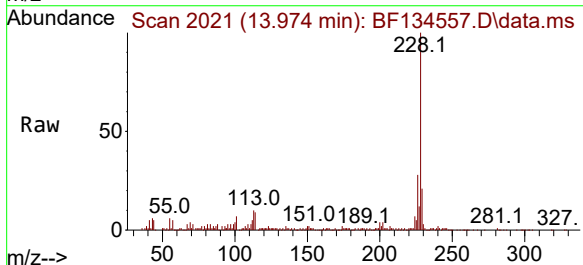
Instrument :
BNA_F
ClientSampleId :
SB-04-(1-5)

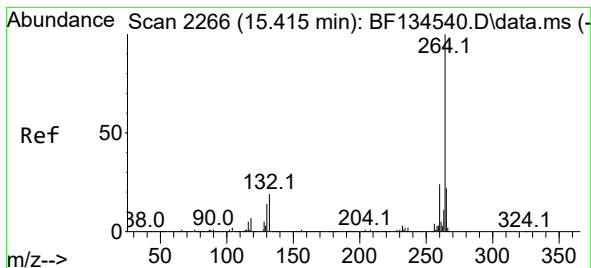
Tgt Ion:228 Resp: 68997
Ion Ratio Lower Upper
228 100
226 31.1 22.3 33.5
229 21.0 15.8 23.6



#83
Chrysene
Concen: 2.254 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

Tgt Ion:228 Resp: 63532
Ion Ratio Lower Upper
228 100
226 27.8 24.5 36.7
229 21.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

Instrument :

BNA_F

ClientSampleId :

SB-04-(1-5)

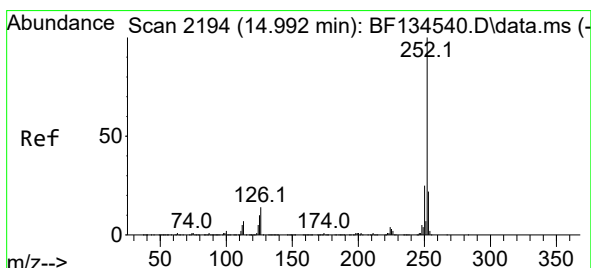
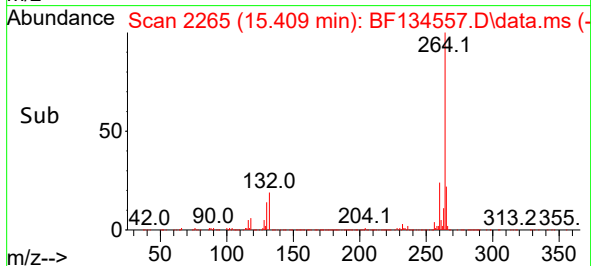
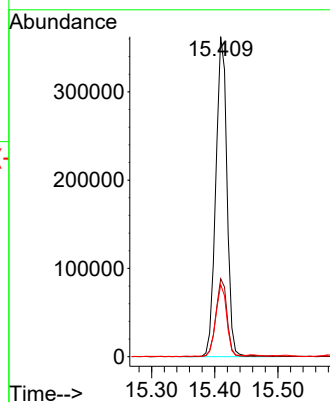
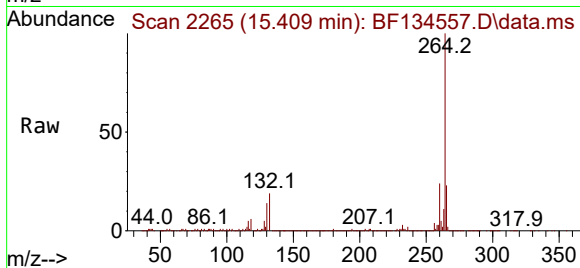
Tgt Ion:264 Resp: 444719

Ion Ratio Lower Upper

264 100

260 24.4 18.4 27.6

265 22.5 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 4.345 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

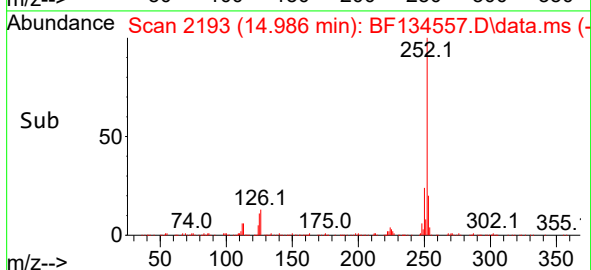
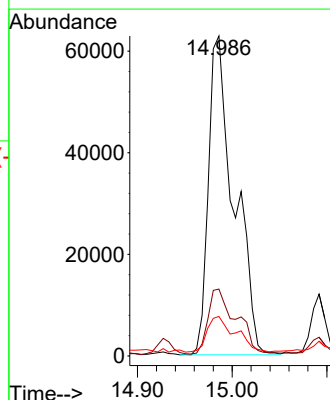
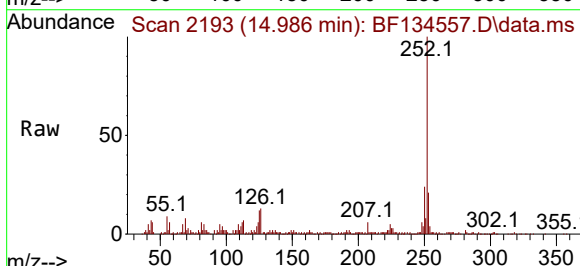
Tgt Ion:252 Resp: 117847

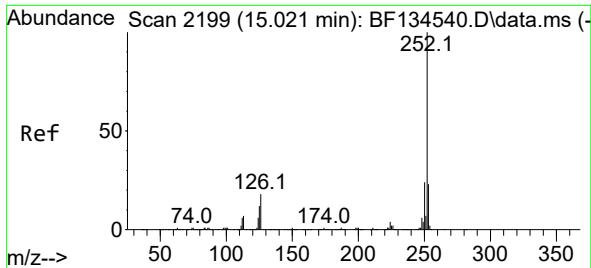
Ion Ratio Lower Upper

252 100

253 20.9 17.3 25.9

125 12.3 6.0 9.0#

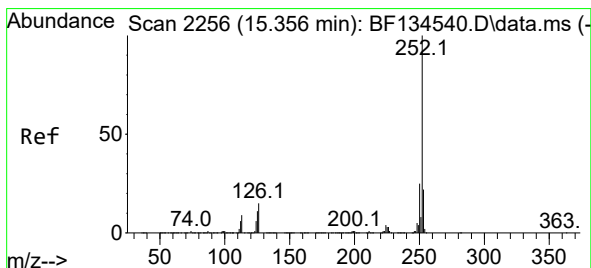
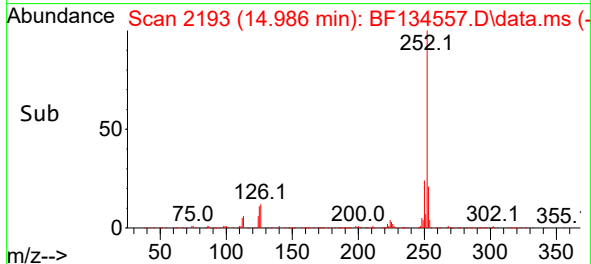
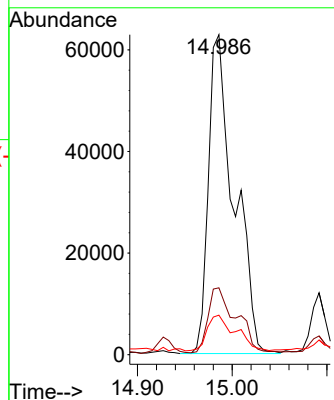
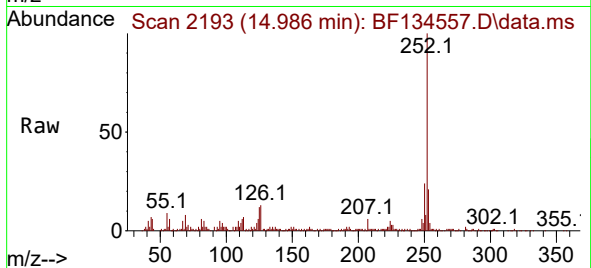




#89
Benzo(k)fluoranthene
Concen: 4.362 ng
RT: 14.986 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

Instrument :
BNA_F
ClientSampleId :
SB-04-(1-5)

Tgt Ion:252 Resp: 117847
Ion Ratio Lower Upper
252 100
253 20.9 17.9 26.9
125 12.3 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 2.255 ng
RT: 15.345 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF134557.D
Acq: 01 Aug 2023 19:56

Tgt Ion:252 Resp: 57025
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 12.0 6.2 9.4#

