

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
 Data File : BF134635.D
 Acq On : 04 Aug 2023 16:27
 Operator : CG\JU
 Sample : 03860-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2B

Quant Time: Aug 05 00:07:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

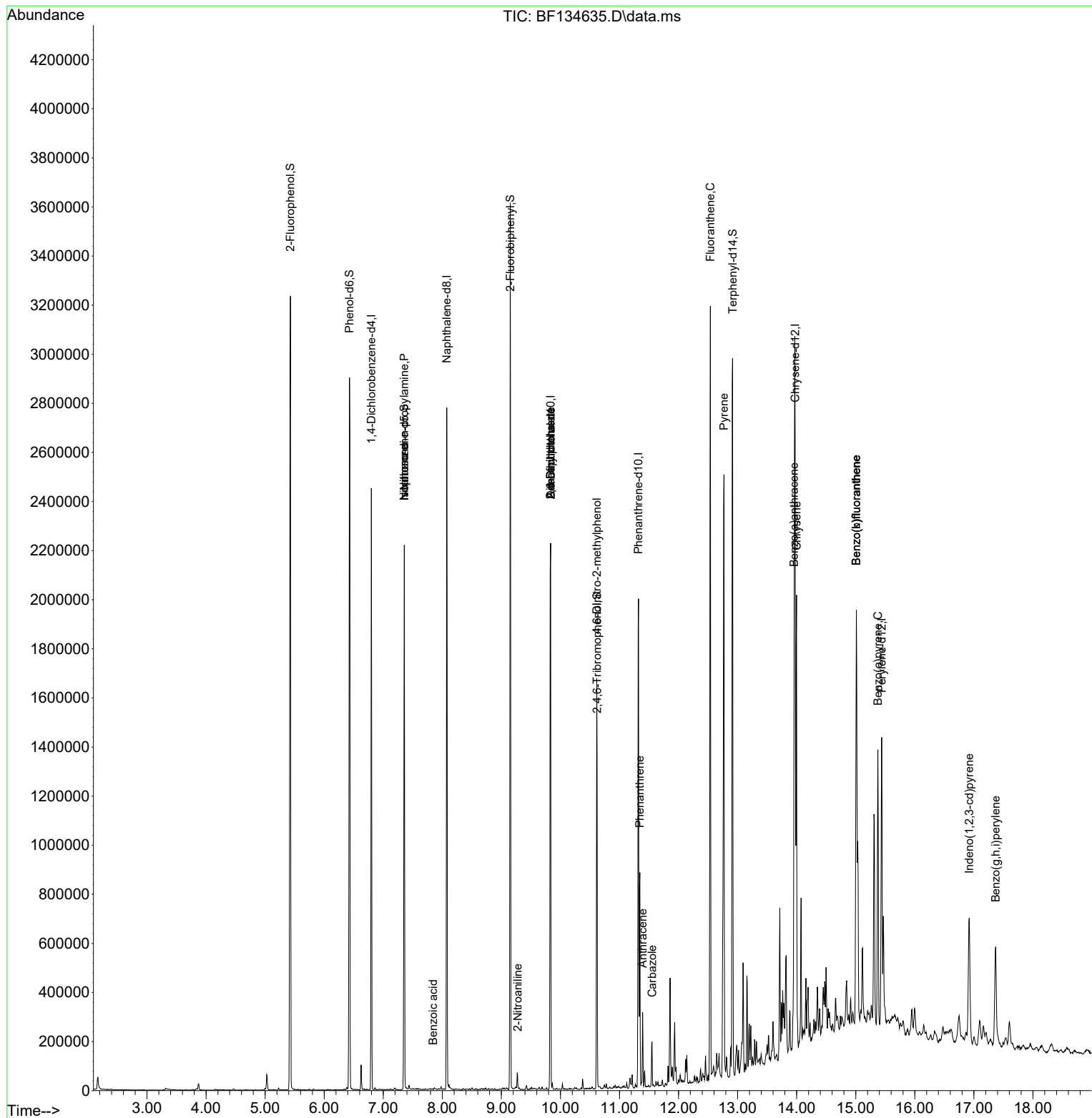
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	317932	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	1135415	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	451887	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	744172	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	720001	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	559571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	895418	42.812	ng	0.00
7) Phenol-d6	6.428	99	1115365	41.718	ng	-0.01
23) Nitrobenzene-d5	7.357	82	635646	34.986	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	195573	42.455	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1032012	37.972	ng	-0.01
79) Terphenyl-d14	12.915	244	1065686	26.092	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.345	77	575	Below Cal	#	78
19) n-Nitroso-di-n-propyla...	7.357	70	85864	5.364	ng	# 75
25) Isophorone	7.357	82	632632	15.964	ng	# 65
32) Benzoic acid	7.845	122	59	7.871	ng	# 1
48) 2-Nitroaniline	9.274	65	832	3.261	ng	# 8
50) Dimethylphthalate	9.833	163	95137	3.089	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	59775	11.475	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	59775	10.227	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	439	8.818	ng	# 1
71) Phenanthrene	11.345	178	333030	8.425	ng	98
72) Anthracene	11.392	178	97478	2.414	ng	99
73) Carbazole	11.551	167	72102	2.000	ng	98
75) Fluoranthene	12.539	202	1258732	30.147	ng	97
78) Pyrene	12.768	202	1075272	17.259	ng	98
81) Benzo(a)anthracene	13.957	228	728990	14.160	ng	99
83) Chrysene	13.998	228	758585	15.124	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	364251	11.068	ng	# 95
88) Benzo(b)fluoranthene	15.009	252	1206201	35.344	ng	# 95
89) Benzo(k)fluoranthene	15.009	252	1206201	35.480	ng	# 96
90) Benzo(a)pyrene	15.374	252	535820	16.839	ng	# 95
92) Benzo(g,h,i)perylene	17.368	276	330172	12.170	ng	# 92

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

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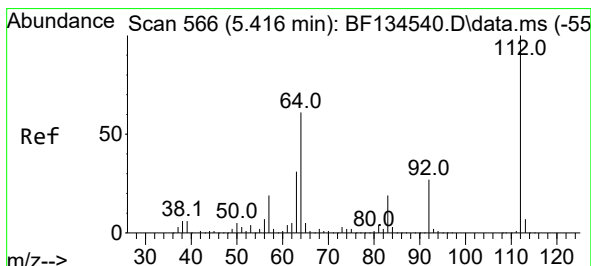
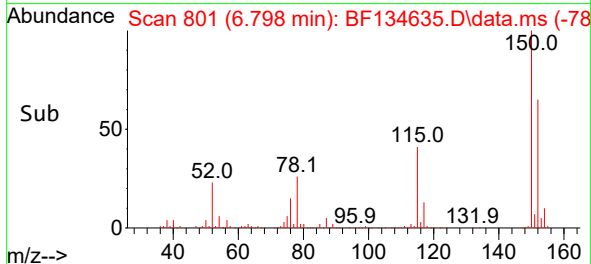
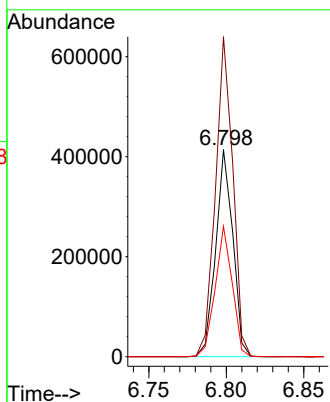
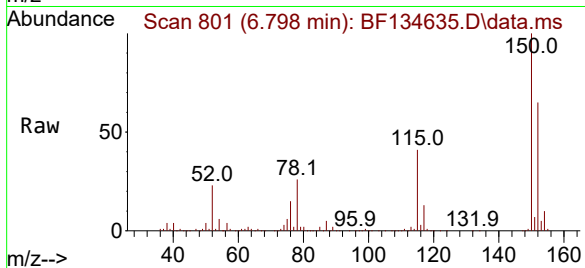




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

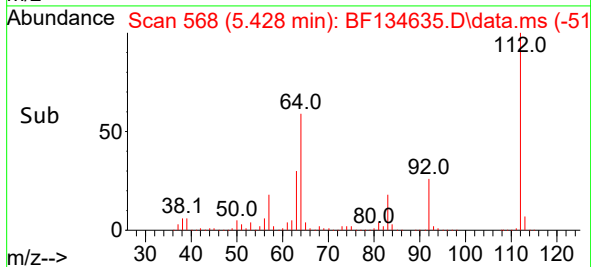
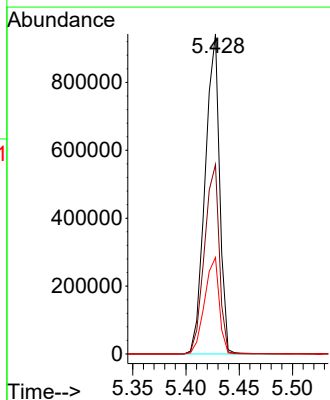
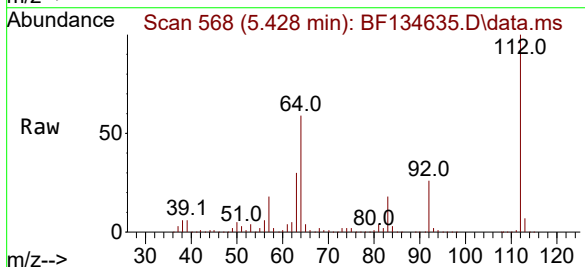
Instrument :
BNA_F
ClientSampleId :
SP-2B

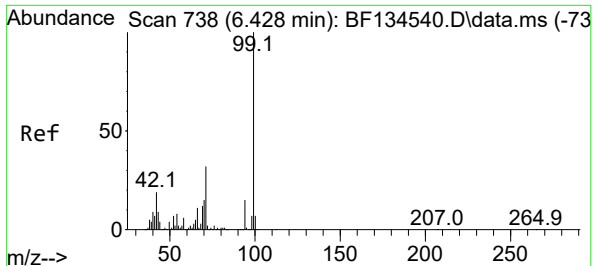
Tgt Ion:152 Resp: 317932
Ion Ratio Lower Upper
152 100
150 154.6 128.3 192.5
115 62.9 52.4 78.6



#5
2-Fluorophenol
Concen: 42.812 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

Tgt Ion:112 Resp: 895418
Ion Ratio Lower Upper
112 100
64 59.2 44.9 67.3
63 30.2 25.4 38.0

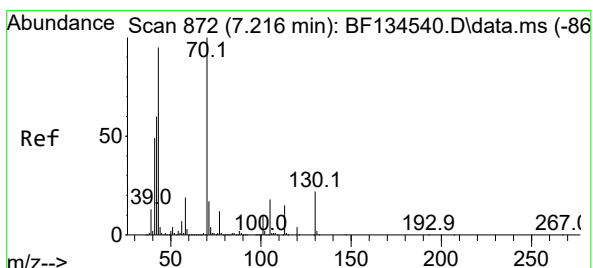
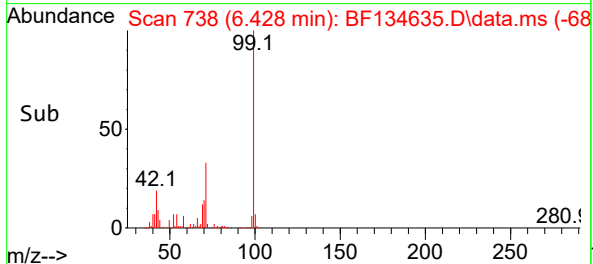
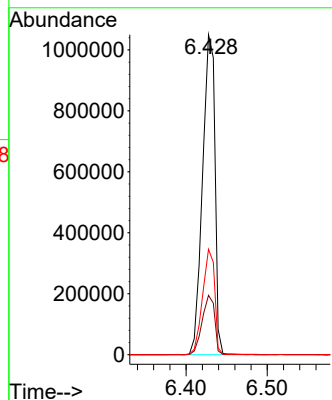
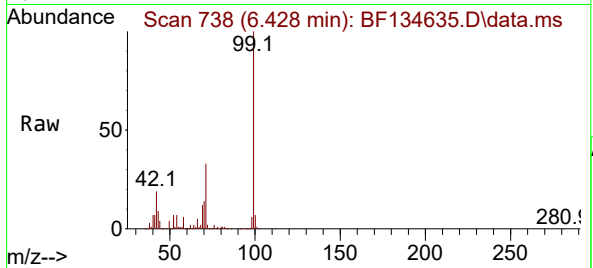




#7
Phenol-d6
Concen: 41.718 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

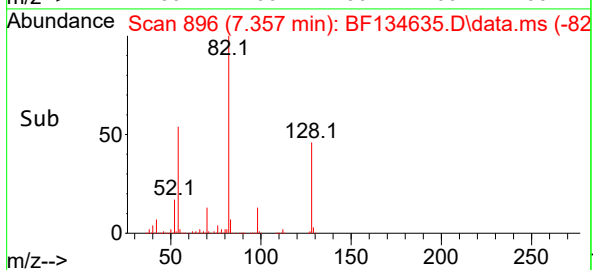
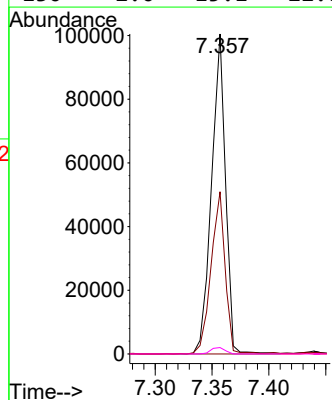
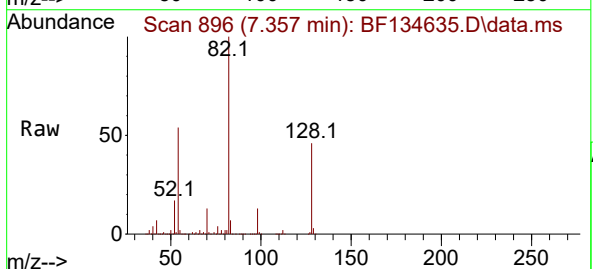
Instrument :
BNA_F
ClientSampleId :
SP-2B

Tgt Ion: 99 Resp: 1115365
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 32.9 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 5.364 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

Tgt Ion: 70 Resp: 85864
Ion Ratio Lower Upper
70 100
42 50.7 54.7 82.1#
101 0.0 8.2 12.2#
130 2.0 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B

Tgt Ion:136 Resp: 1135415

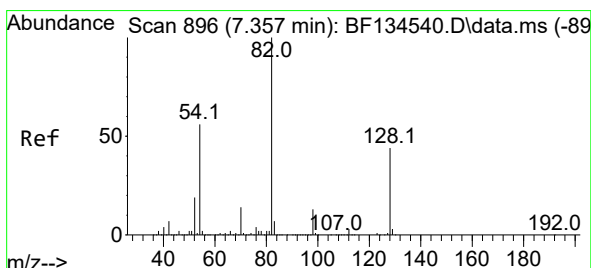
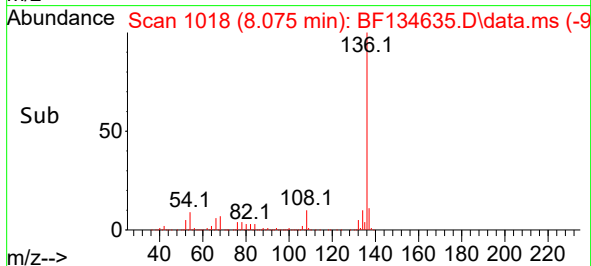
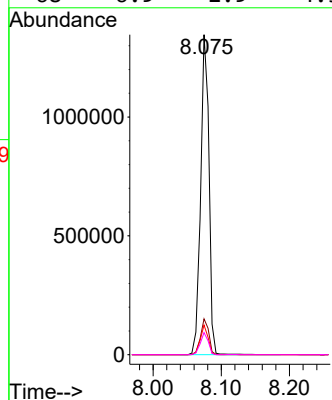
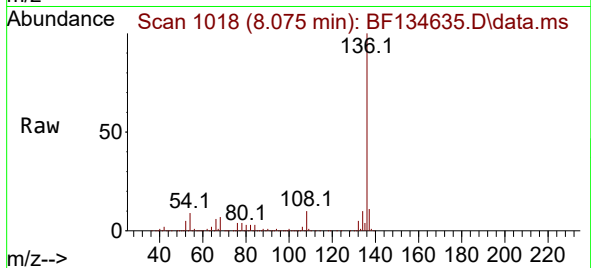
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 9.3 5.2 7.8#

68 6.9 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 34.986 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

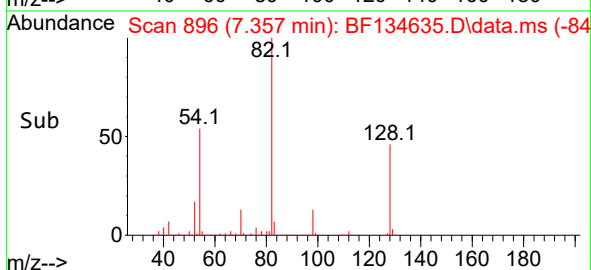
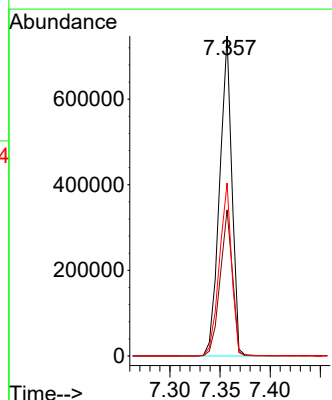
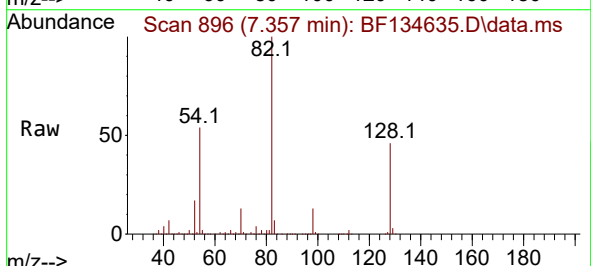
Tgt Ion: 82 Resp: 635646

Ion Ratio Lower Upper

82 100

128 45.7 34.3 51.5

54 54.1 43.8 65.6

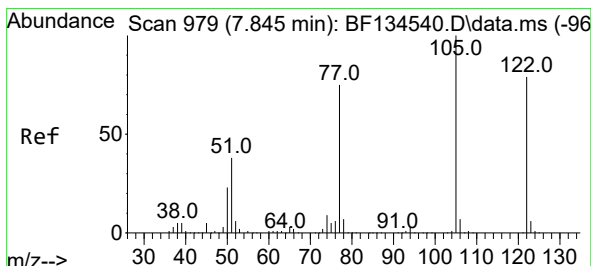
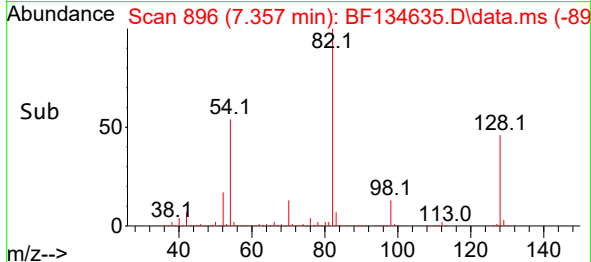
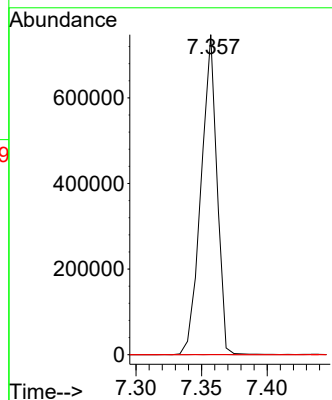
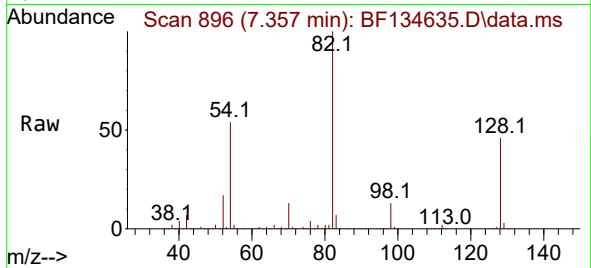




#25
Isophorone
Concen: 15.964 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

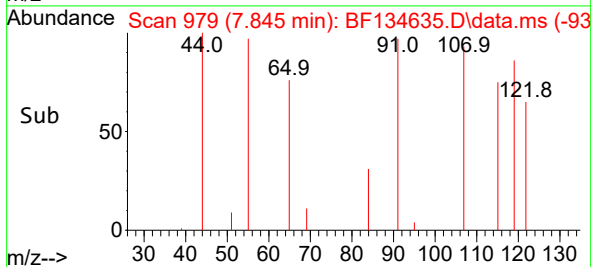
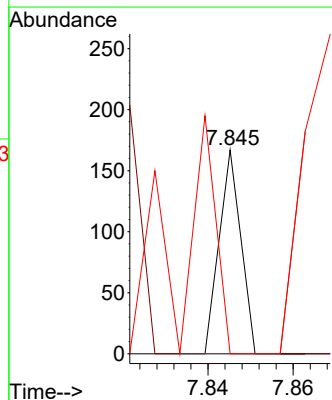
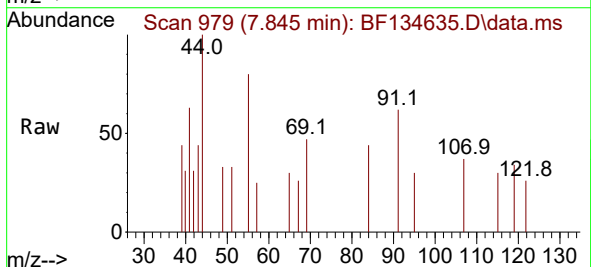
Instrument :
BNA_F
ClientSampleId :
SP-2B

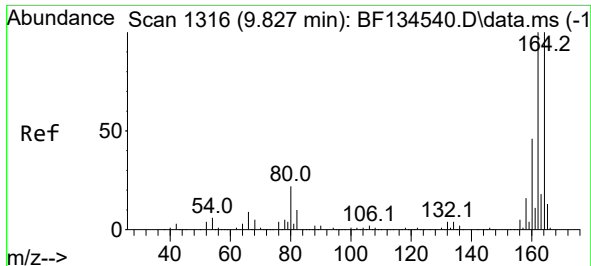
Tgt Ion: 82 Resp: 632632
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.871 ng
RT: 7.845 min Scan# 979
Delta R.T. -0.018 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

Tgt Ion: 122 Resp: 59
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: 9.833 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B

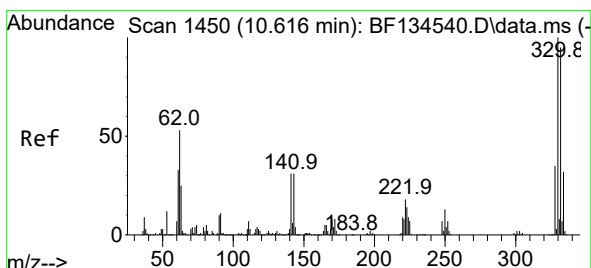
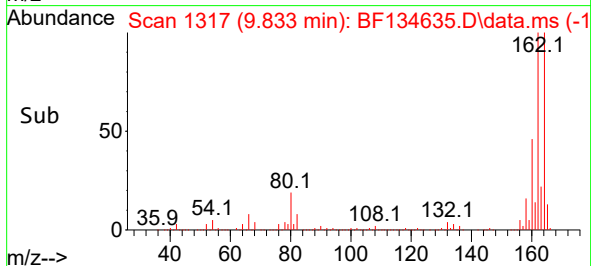
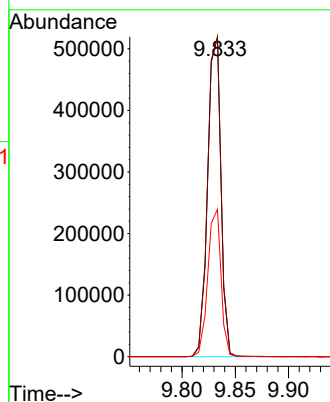
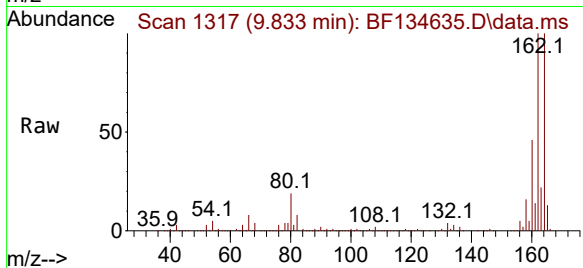
Tgt Ion:164 Resp: 451887

Ion Ratio Lower Upper

164 100

162 99.6 82.6 123.8

160 46.1 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 42.455 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

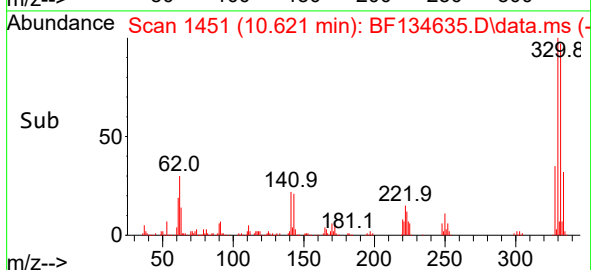
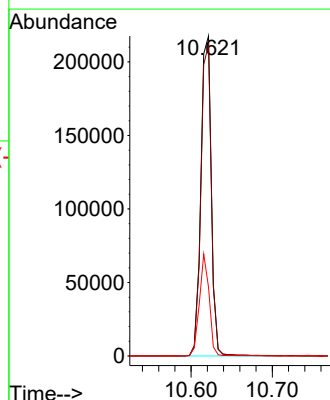
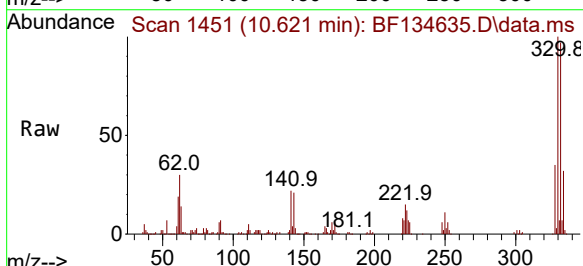
Tgt Ion:330 Resp: 195573

Ion Ratio Lower Upper

330 100

332 96.7 78.8 118.2

141 29.7 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 37.972 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B

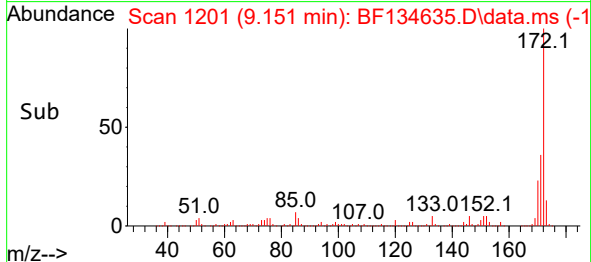
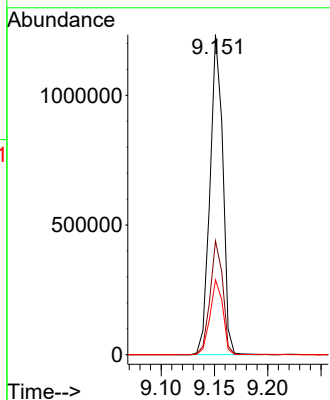
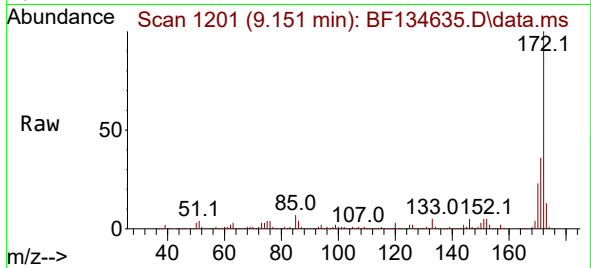
Tgt Ion:172 Resp: 1032012

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.4 18.7 28.1



#48

2-Nitroaniline

Concen: 3.261 ng

RT: 9.274 min Scan# 1222

Delta R.T. -0.106 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

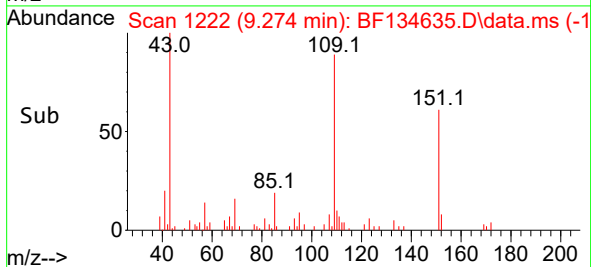
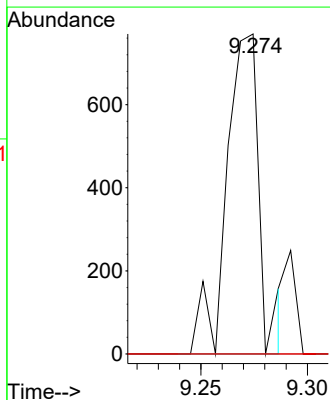
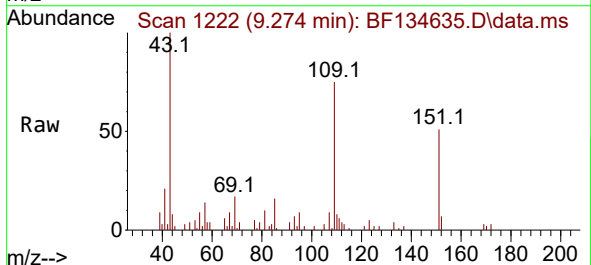
Tgt Ion: 65 Resp: 832

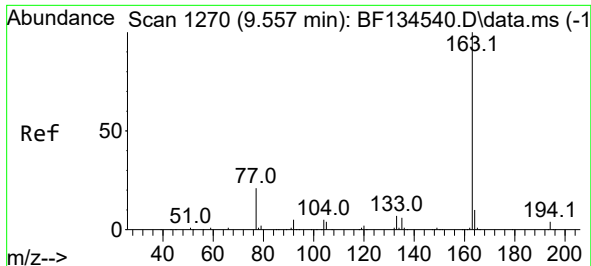
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

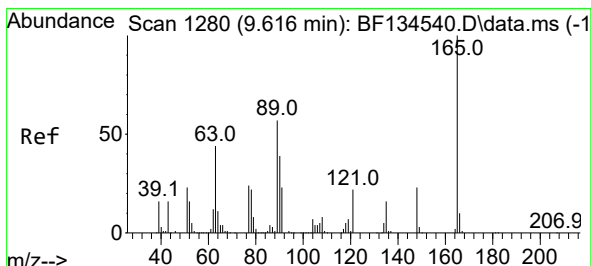
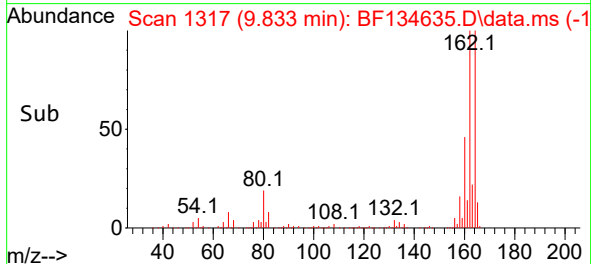
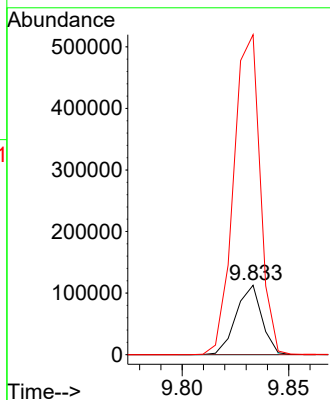
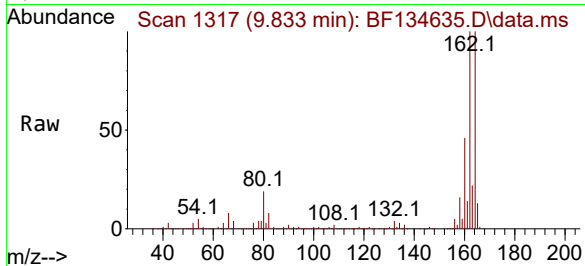




#50
Dimethylphthalate
Concen: 3.089 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

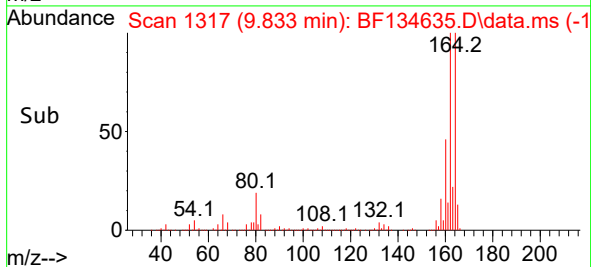
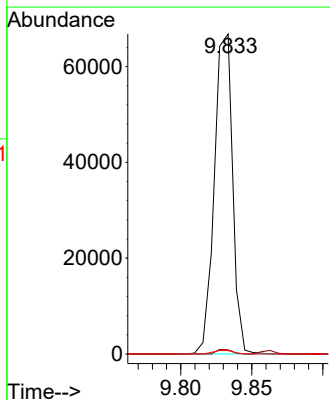
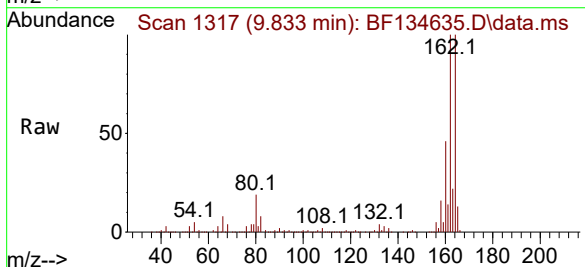
Instrument :
BNA_F
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SP-2B

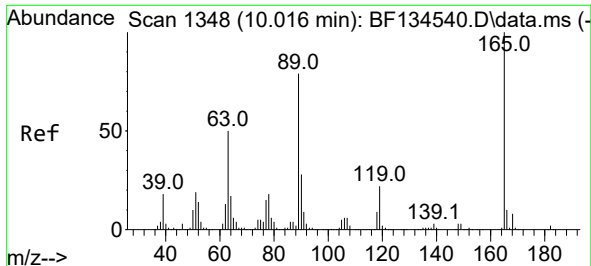
Tgt Ion:163 Resp: 95137
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 460.6 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.475 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

Tgt Ion:165 Resp: 59775
Ion Ratio Lower Upper
165 100
63 1.3 57.8 86.6#
89 1.1 51.8 77.8#

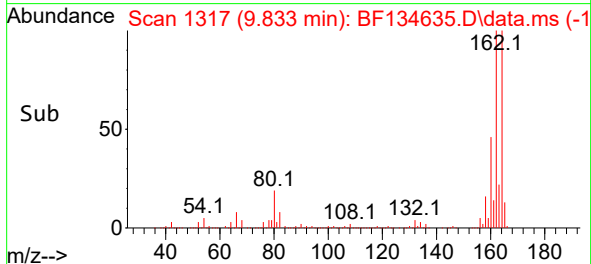
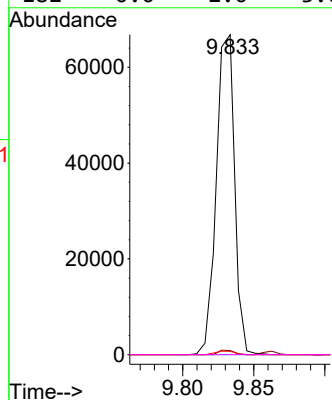
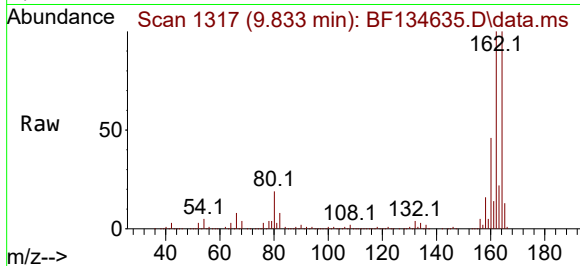




#57
2,4-Dinitrotoluene
Concen: 10.227 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

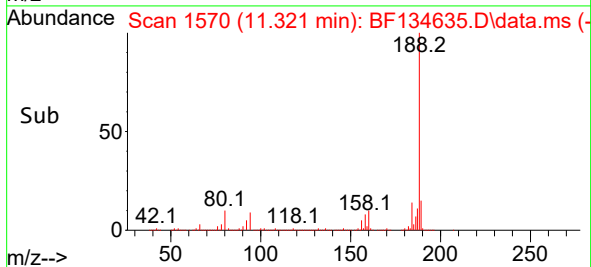
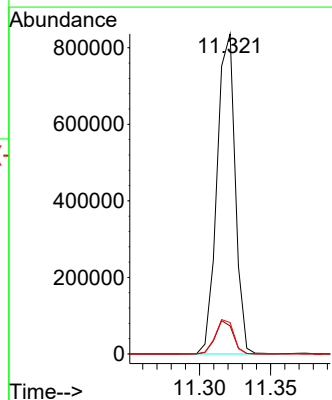
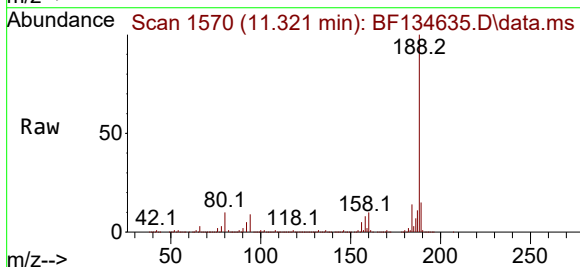
Instrument :
BNA_F
ClientSampleId :
SP-2B

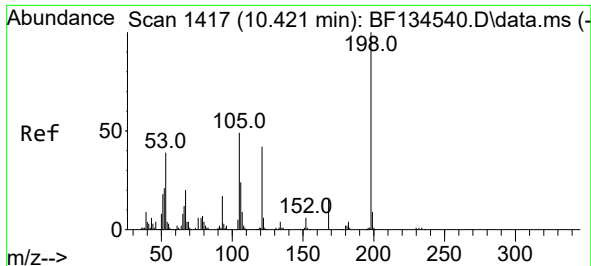
Tgt Ion:165 Resp: 59775
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.1 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

Tgt Ion:188 Resp: 744172
Ion Ratio Lower Upper
188 100
94 8.8 5.1 7.7#
80 9.8 6.6 9.8

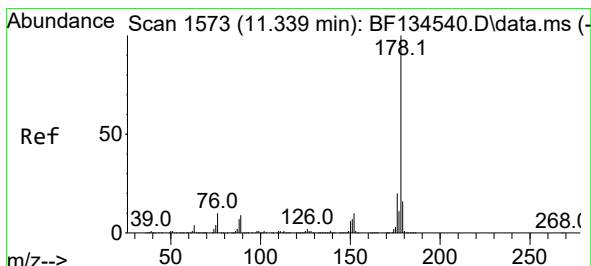
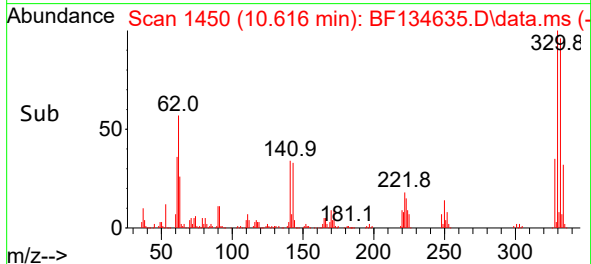
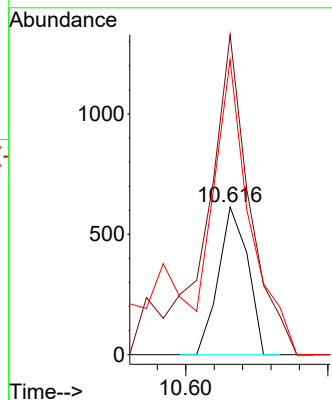
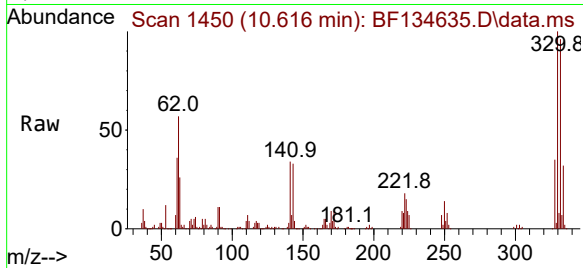




#65
4,6-Dinitro-2-methylphenol
Concen: 8.818 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.176 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

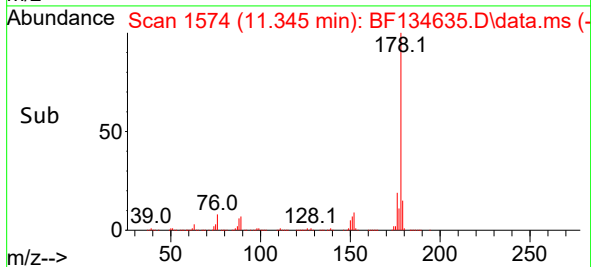
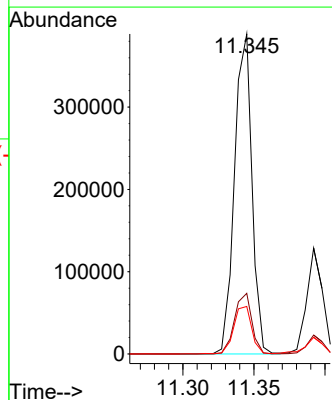
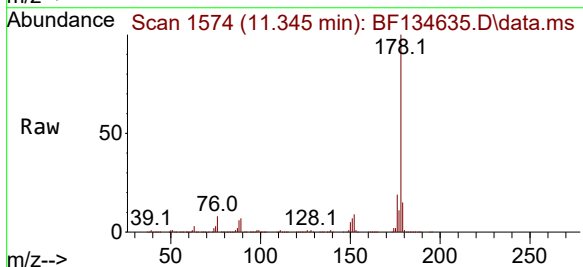
Instrument :
BNA_F
ClientSampleId :
SP-2B

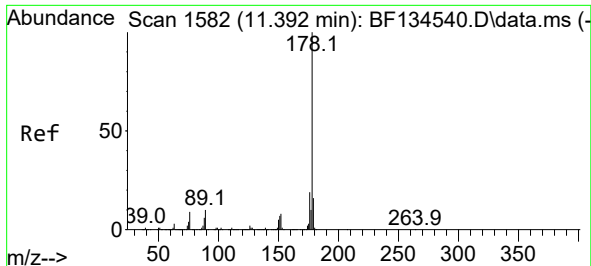
Tgt Ion:198 Resp: 439
Ion Ratio Lower Upper
198 100
51 216.8 38.6 78.6#
105 199.8 27.9 67.9#



#71
Phenanthrene
Concen: 8.425 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

Tgt Ion:178 Resp: 333030
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 14.9 12.7 19.1

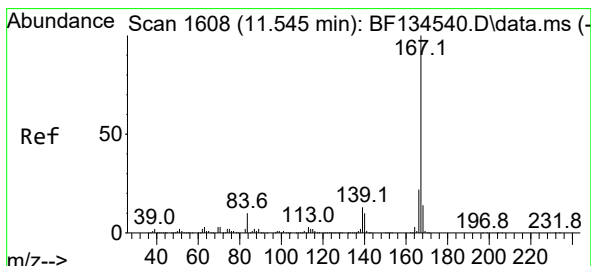
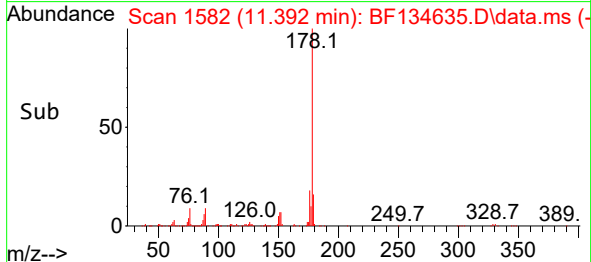
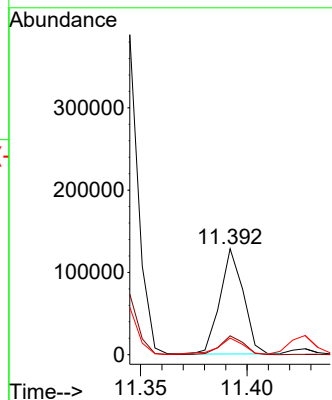
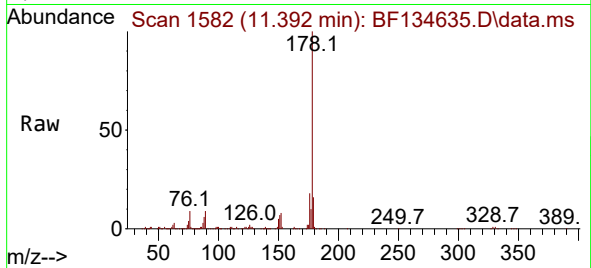




#72
 Anthracene
 Concen: 2.414 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134635.D
 Acq: 04 Aug 2023 16:27

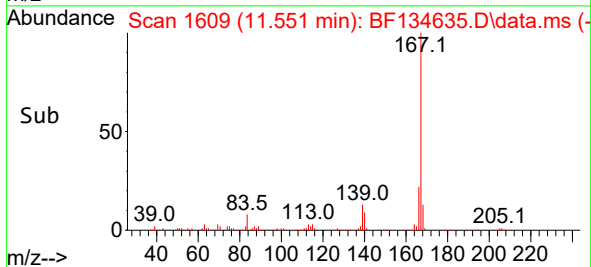
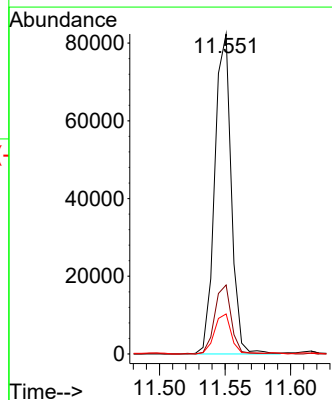
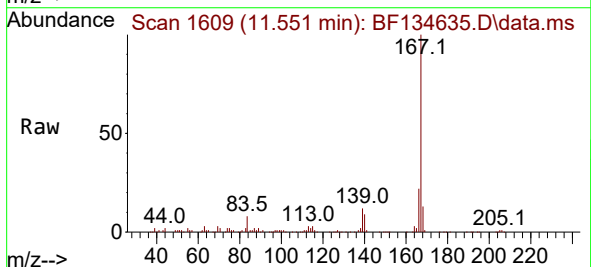
Instrument :
 BNA_F
 ClientSampleId :
 SP-2B

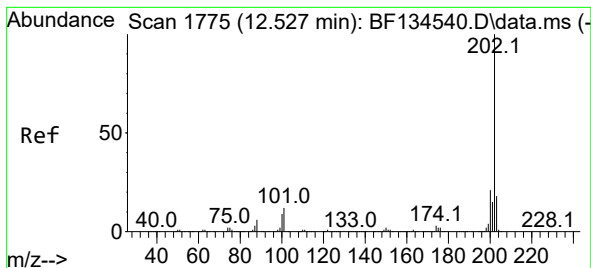
Tgt Ion:178 Resp: 97478
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.6 21.8
 179 15.8 12.3 18.5



#73
 Carbazole
 Concen: 2.000 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF134635.D
 Acq: 04 Aug 2023 16:27

Tgt Ion:167 Resp: 72102
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.5 26.3
 139 12.5 11.0 16.4

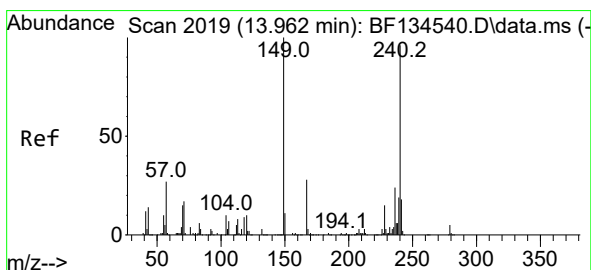
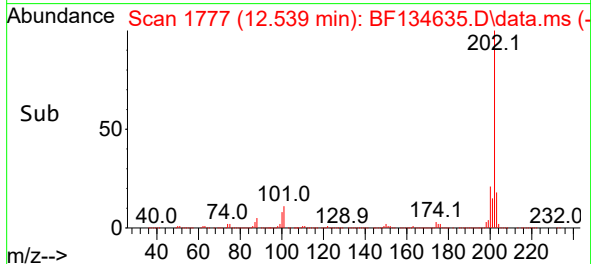
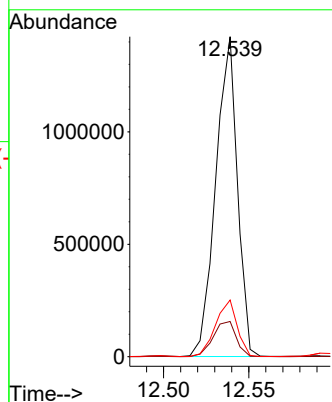
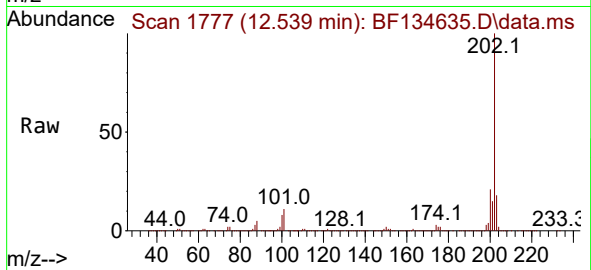




#75
Fluoranthene
Concen: 30.147 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

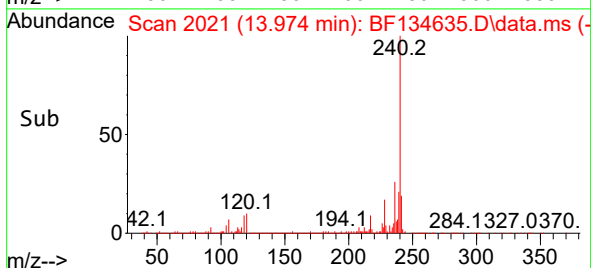
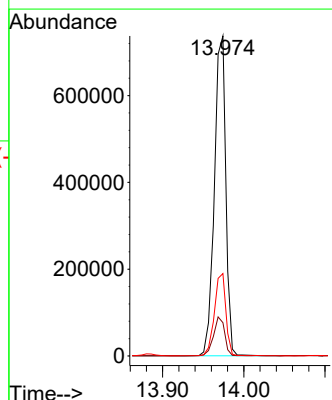
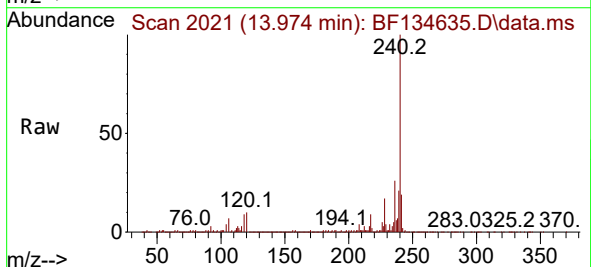
Instrument :
BNA_F
ClientSampleId :
SP-2B

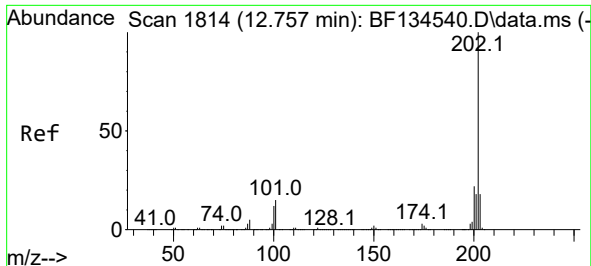
Tgt Ion:202 Resp: 1258732
Ion Ratio Lower Upper
202 100
101 11.0 0.0 28.5
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF134635.D
Acq: 04 Aug 2023 16:27

Tgt Ion:240 Resp: 720001
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 25.7 20.2 30.2

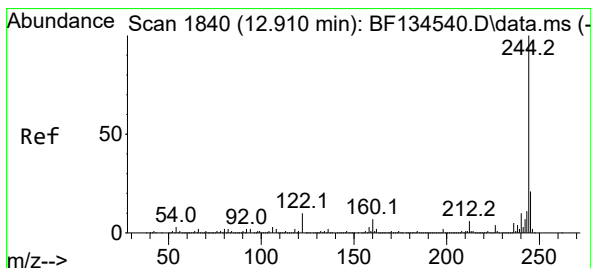
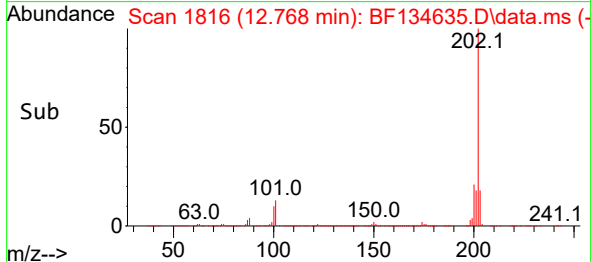
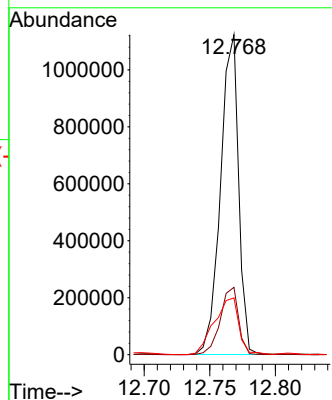
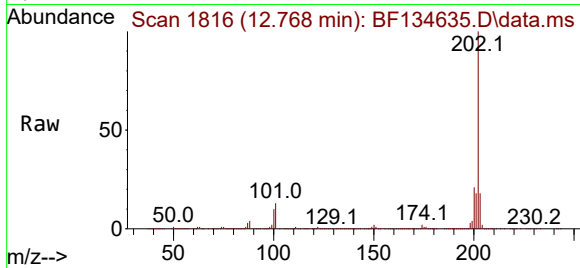




#78
 Pyrene
 Concen: 17.259 ng
 RT: 12.768 min Scan# 1816
 Delta R.T. -0.000 min
 Lab File: BF134635.D
 Acq: 04 Aug 2023 16:27

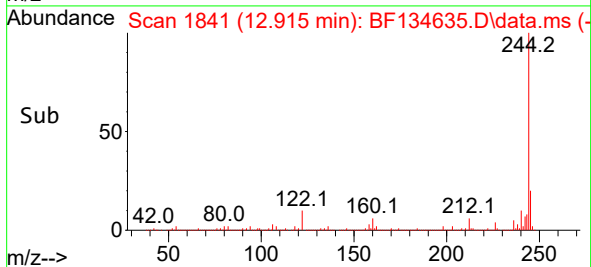
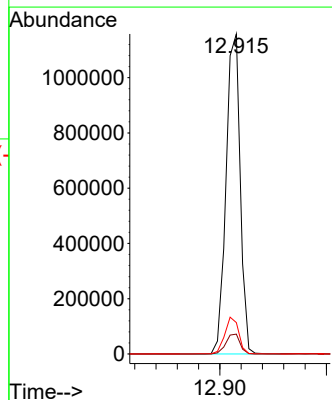
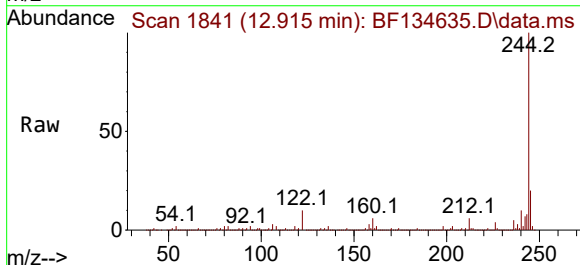
Instrument :
 BNA_F
 ClientSampleId :
 SP-2B

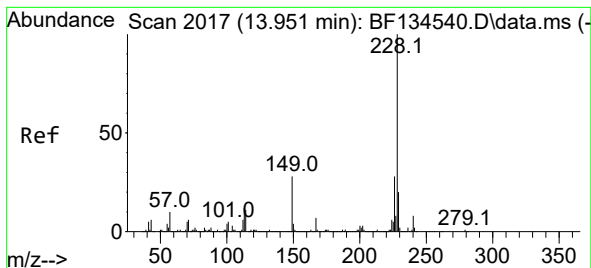
Tgt Ion:202 Resp: 1075272
 Ion Ratio Lower Upper
 202 100
 200 21.0 15.8 23.8
 203 17.8 13.5 20.3



#79
 Terphenyl-d14
 Concen: 26.092 ng
 RT: 12.915 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF134635.D
 Acq: 04 Aug 2023 16:27

Tgt Ion:244 Resp: 1065686
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.6 8.4
 122 9.8 8.0 12.0





#81

Benzo(a)anthracene

Concen: 14.160 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B

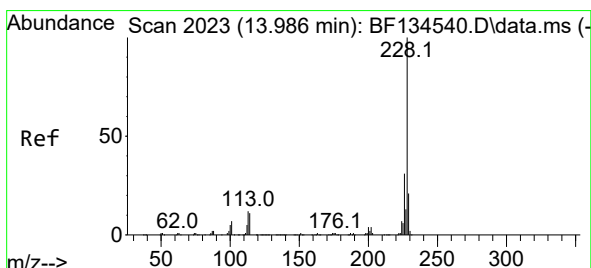
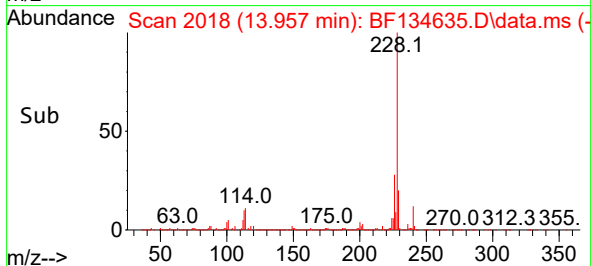
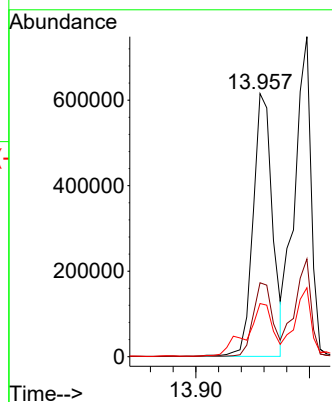
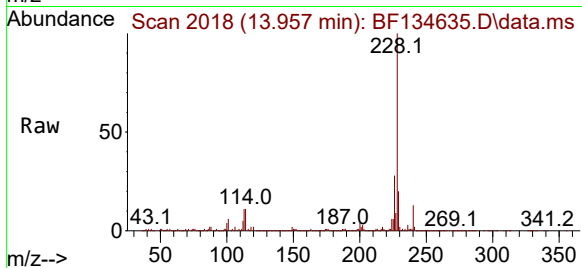
Tgt Ion:228 Resp: 728990

Ion Ratio Lower Upper

228 100

226 28.1 22.3 33.5

229 20.2 15.8 23.6



#83

Chrysene

Concen: 15.124 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

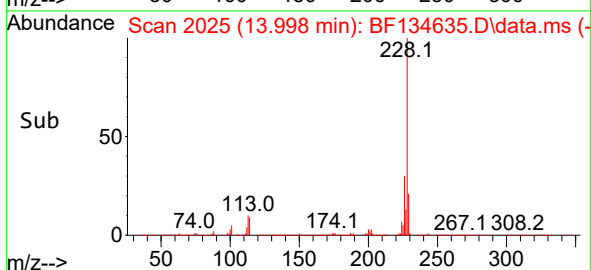
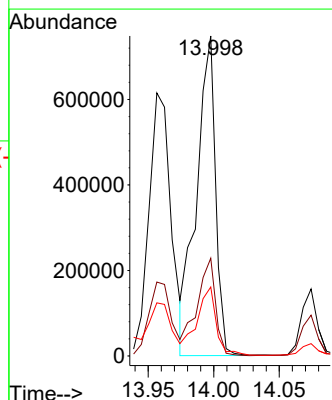
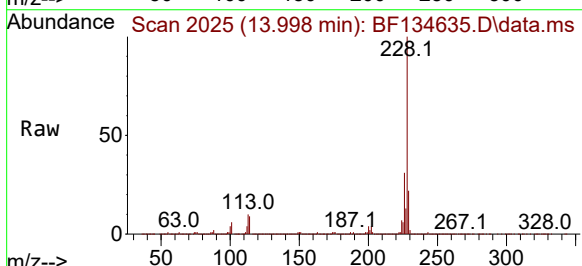
Tgt Ion:228 Resp: 758585

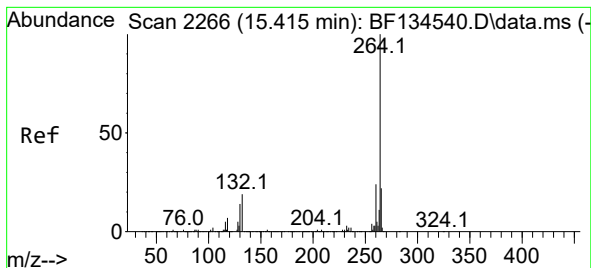
Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 21.5 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B

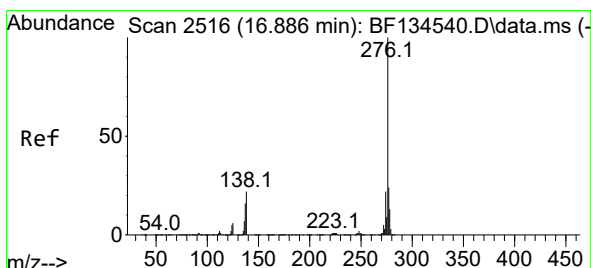
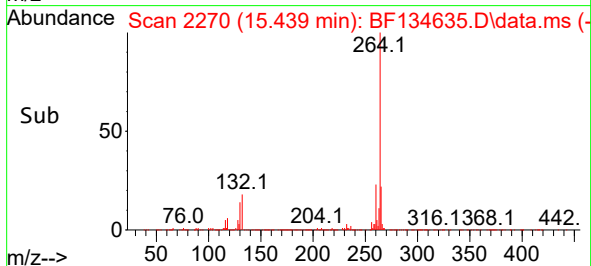
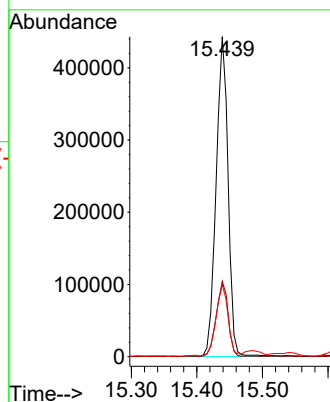
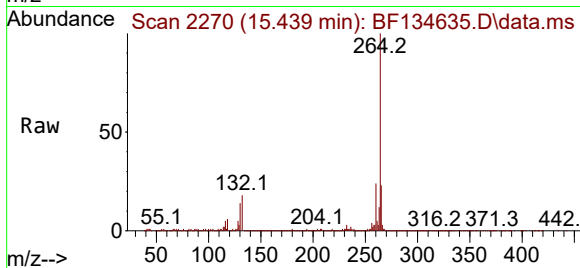
Tgt Ion:264 Resp: 559571

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 22.5 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.068 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.006 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

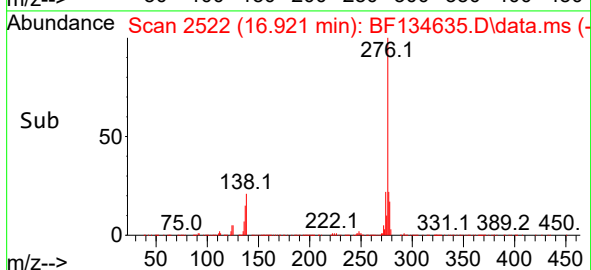
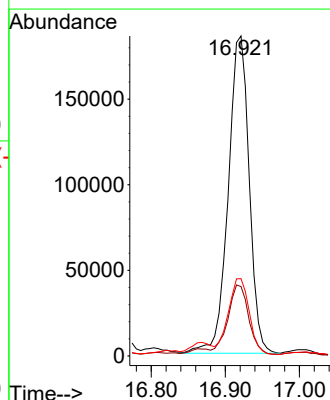
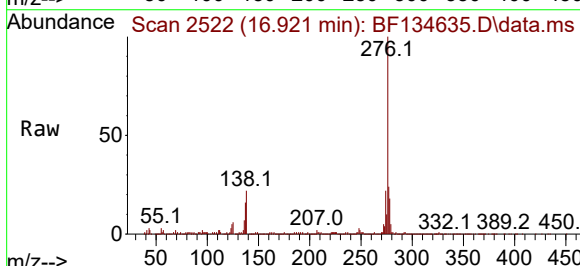
Tgt Ion:276 Resp: 364251

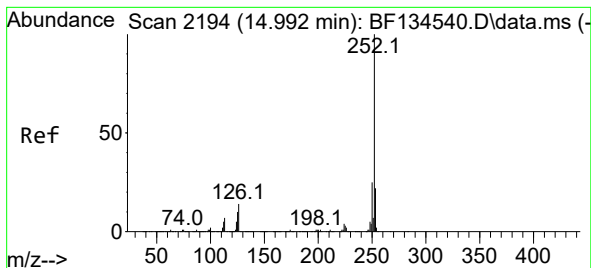
Ion Ratio Lower Upper

276 100

138 22.2 14.2 21.4#

277 24.0 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 35.344 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.000 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B

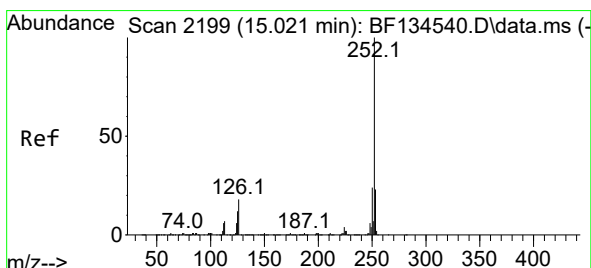
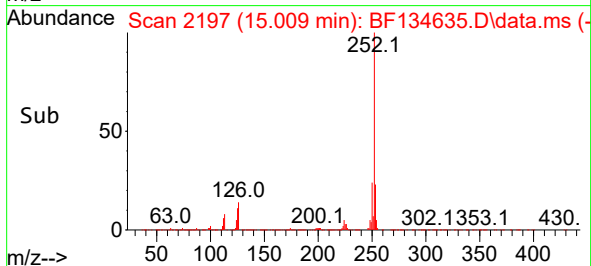
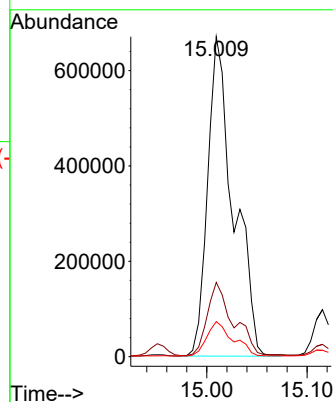
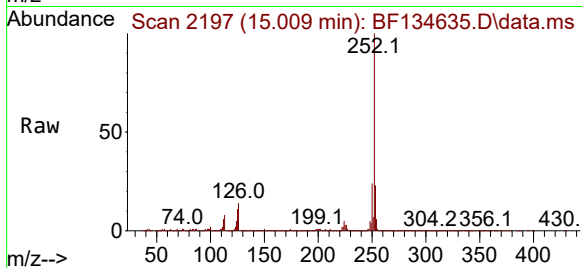
Tgt Ion:252 Resp: 1206201

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 10.9 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 35.480 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.030 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

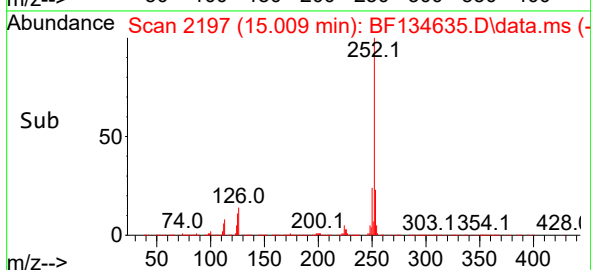
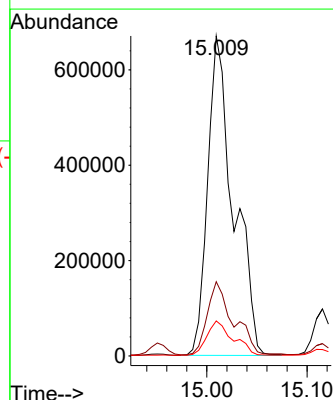
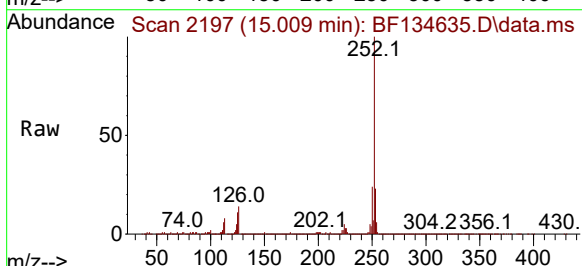
Tgt Ion:252 Resp: 1206201

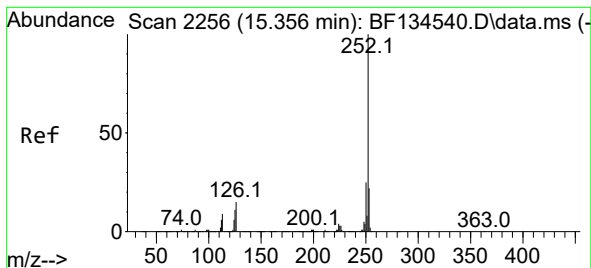
Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 10.9 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 16.839 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Instrument :

BNA_F

ClientSampleId :

SP-2B

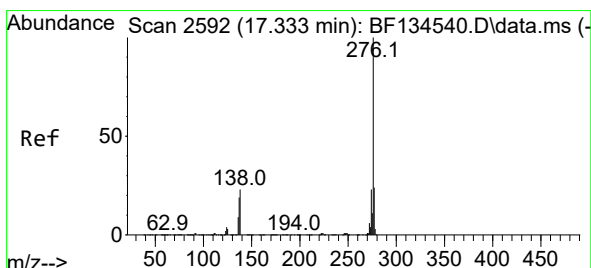
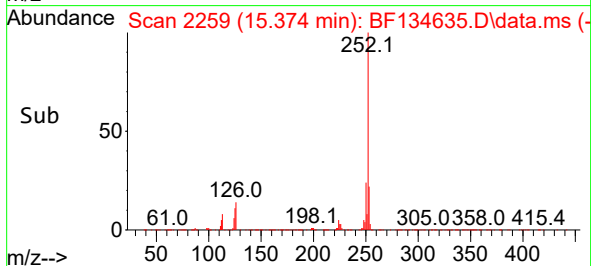
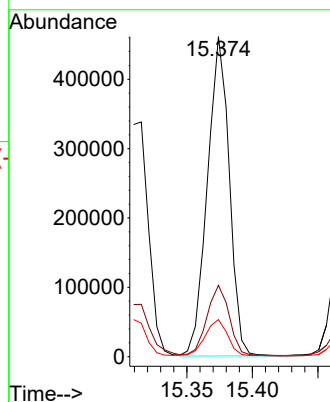
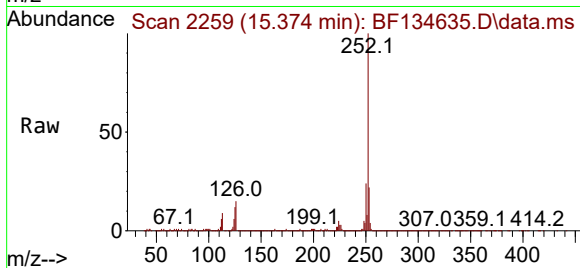
Tgt Ion:252 Resp: 535820

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

125 11.6 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 12.170 ng

RT: 17.368 min Scan# 2598

Delta R.T. -0.006 min

Lab File: BF134635.D

Acq: 04 Aug 2023 16:27

Tgt Ion:276 Resp: 330172

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.6

138 22.5 12.2 18.2#

