

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080123\
 Data File : BF134556.D
 Acq On : 01 Aug 2023 19:24
 Operator : CG\JU
 Sample : 03645-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-(0.5-2.0)

Quant Time: Aug 02 02:45:19 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)

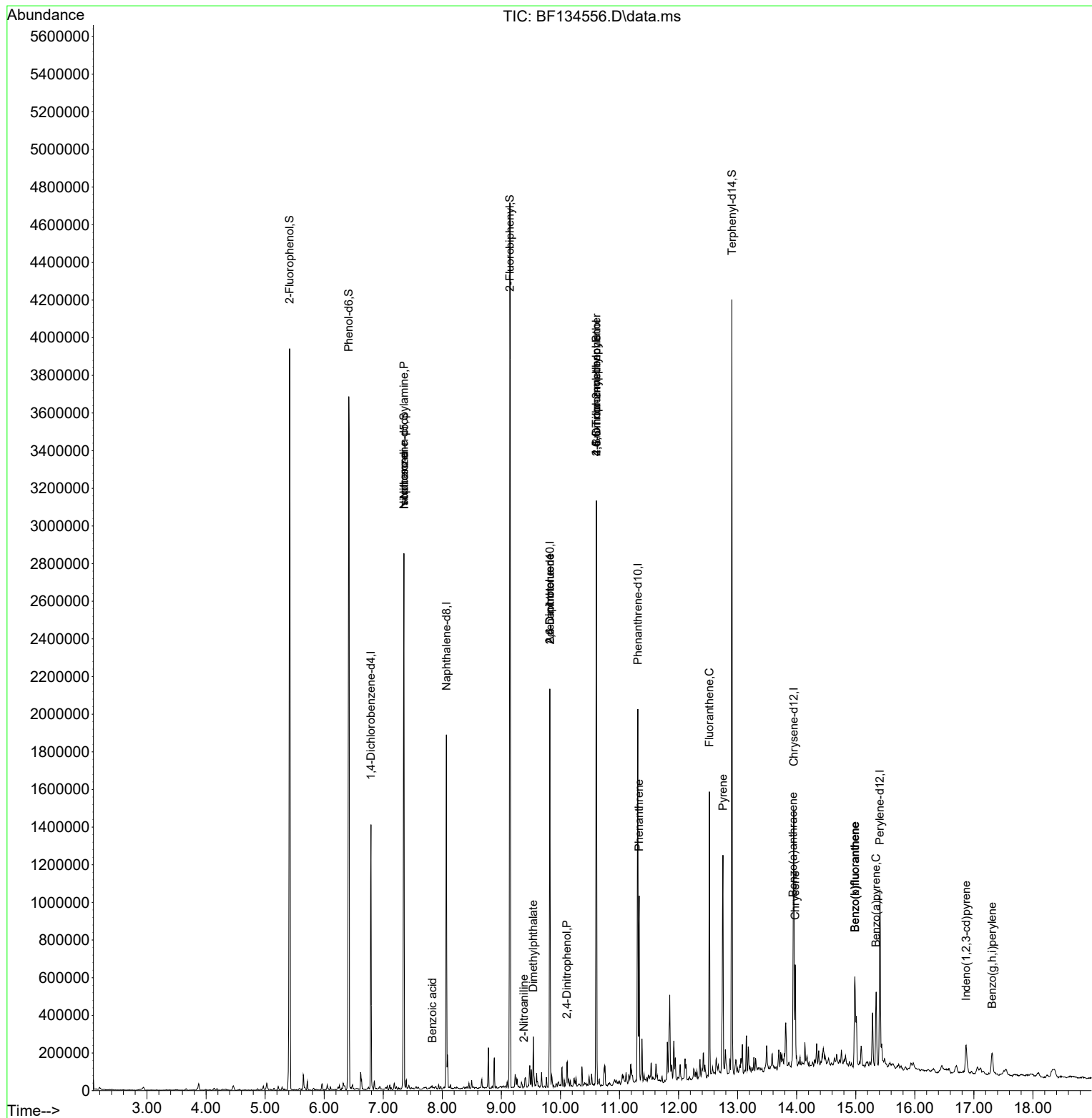
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	186884	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	736666	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	365569	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	647165	20.000	ng	# 0.00
76) Chrysene-d12	13.951	240	366423	20.000	ng	#-0.01
86) Perylene-d12	15.410	264	422938	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1163632	94.649	ng	0.00
7) Phenol-d6	6.416	99	1482483	94.331	ng	-0.01
23) Nitrobenzene-d5	7.351	82	856089	72.624	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	357688	95.982	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1445788	65.758	ng	0.00
79) Terphenyl-d14	12.904	244	1355450	65.211	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.340	77	3563	Below Cal	#	86
19) n-Nitroso-di-n-propyla...	7.351	70	115015	12.223	ng	# 75
25) Isophorone	7.351	82	854498	33.235	ng	# 65
32) Benzoic acid	7.834	122	244	7.894	ng	83
48) 2-Nitroaniline	9.380	65	372	3.218	ng	# 8
50) Dimethylphthalate	9.539	163	80947	3.249	ng	98
51) 2,6-Dinitrotoluene	9.822	165	49894	11.761	ng	# 17
54) 2,4-Dinitrophenol	10.110	184	321	6.992	ng	# 9
57) 2,4-Dinitrotoluene	9.822	165	49894	10.462	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	1006	9.014	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	22654	3.198	ng	# 1
71) Phenanthrene	11.333	178	345926	10.063	ng	99
75) Fluoranthene	12.521	202	536565	14.777	ng	97
78) Pyrene	12.751	202	434249	13.696	ng	97
81) Benzo(a)anthracene	13.939	228	210211	8.023	ng	99
83) Chrysene	13.974	228	209562	8.210	ng	97
87) Indeno(1,2,3-cd)pyrene	16.868	276	107020	4.302	ng	# 93
88) Benzo(b)fluoranthene	14.986	252	371565	14.405	ng	# 97
89) Benzo(k)fluoranthene	14.986	252	371565	14.460	ng	# 98
90) Benzo(a)pyrene	15.345	252	186837	7.769	ng	# 95
92) Benzo(g,h,i)perylene	17.309	276	96200	4.691	ng	# 91

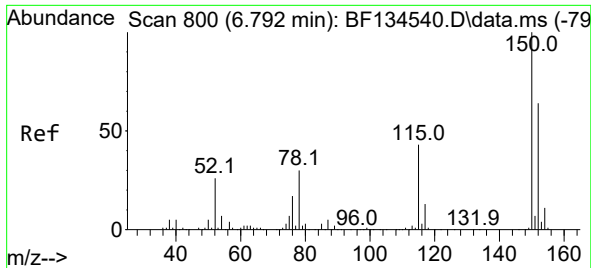
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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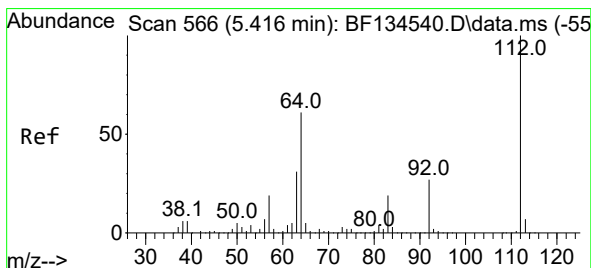
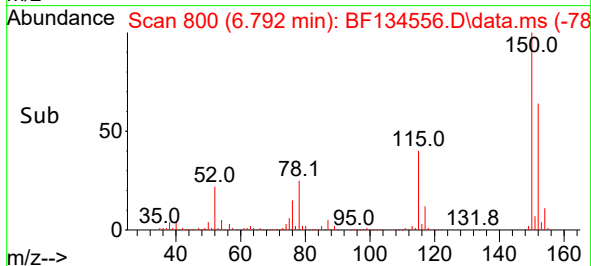
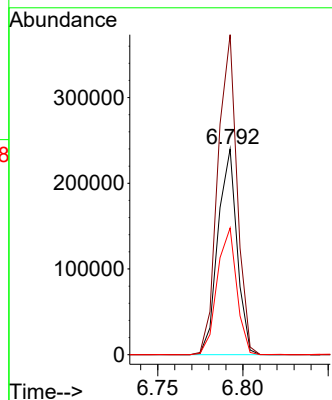
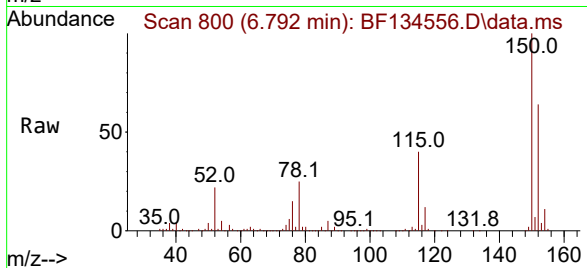




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

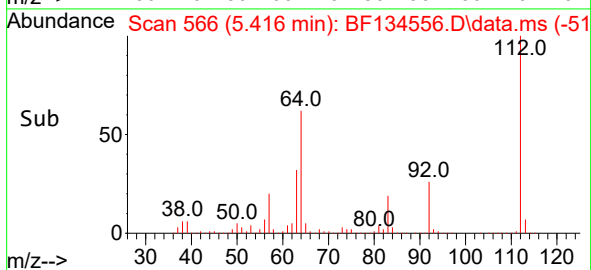
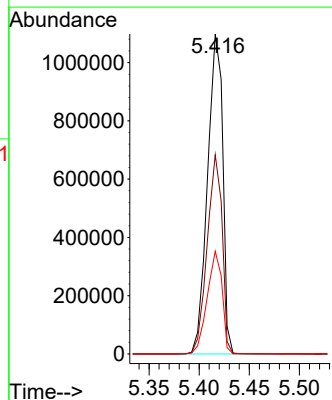
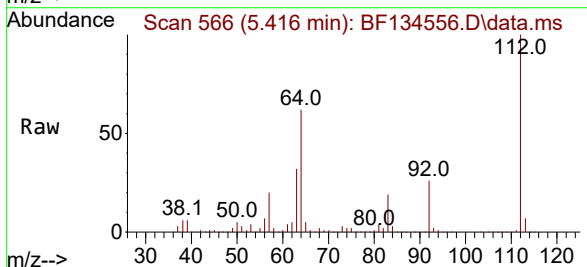
Instrument :
BNA_F
ClientSampleId :
SB-08-(0.5-2.0)

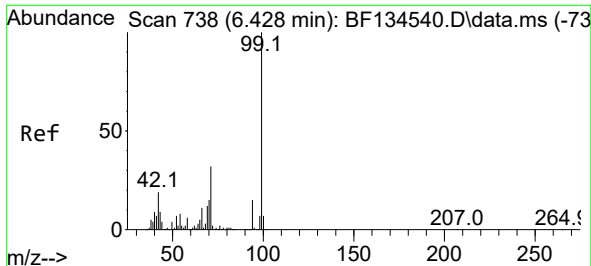
Tgt Ion:152 Resp: 186884
Ion Ratio Lower Upper
152 100
150 155.5 128.3 192.5
115 61.6 52.4 78.6



#5
2-Fluorophenol
Concen: 94.649 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:112 Resp: 1163632
Ion Ratio Lower Upper
112 100
64 62.3 44.9 67.3
63 32.1 25.4 38.0

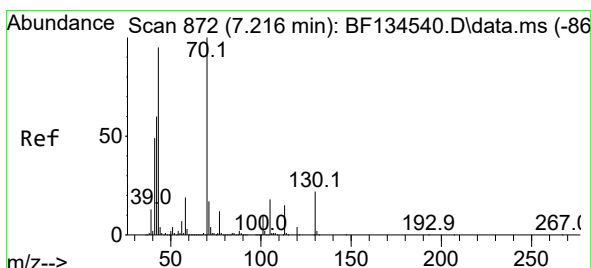
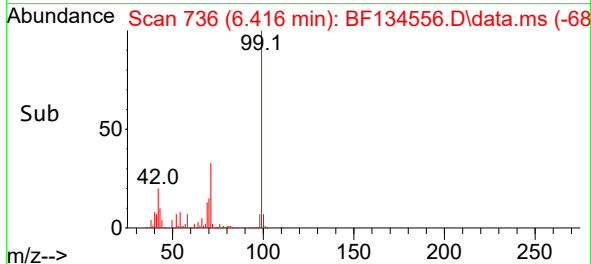
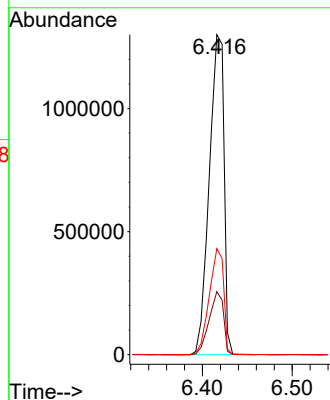
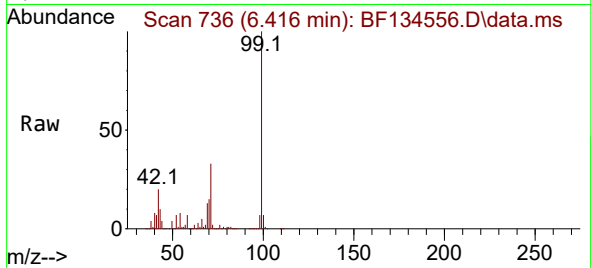




#7
Phenol-d6
Concen: 94.331 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

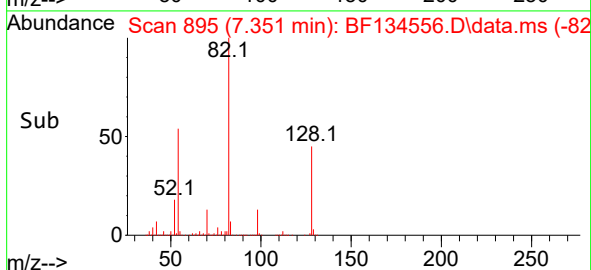
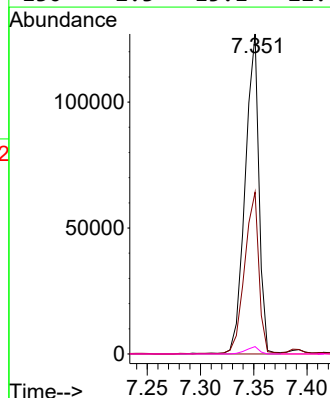
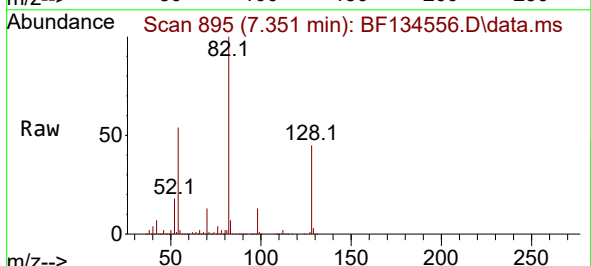
Instrument :
BNA_F
ClientSampleId :
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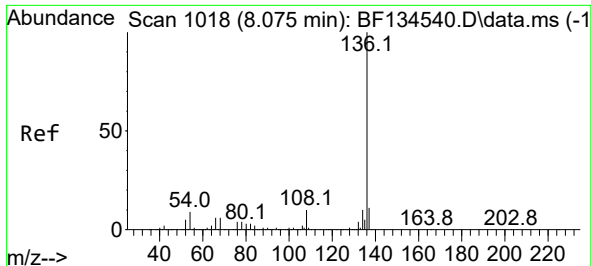
Tgt Ion: 99 Resp: 1482483
Ion Ratio Lower Upper
99 100
42 19.7 18.7 28.1
71 33.1 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 12.223 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion: 70 Resp: 115015
Ion Ratio Lower Upper
70 100
42 50.6 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 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: BF134556.D

Acq: 01 Aug 2023 19:24

Instrument :

BNA_F

ClientSampleId :

SB-08-(0.5-2.0)

Tgt Ion:136 Resp: 736666

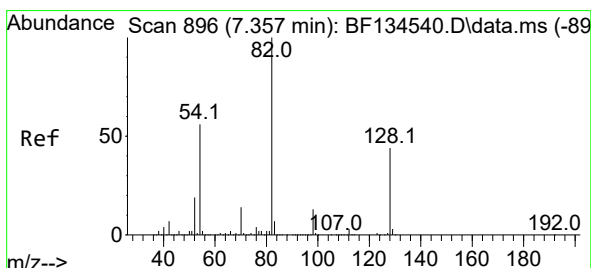
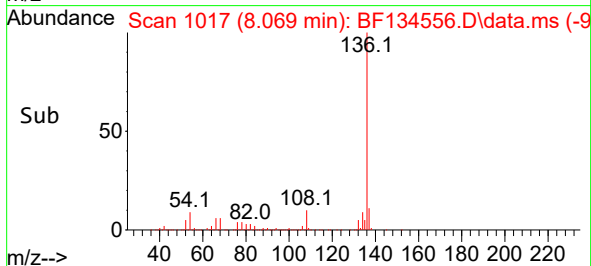
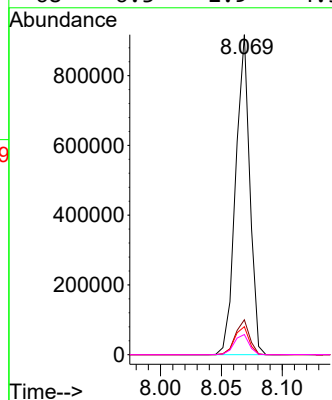
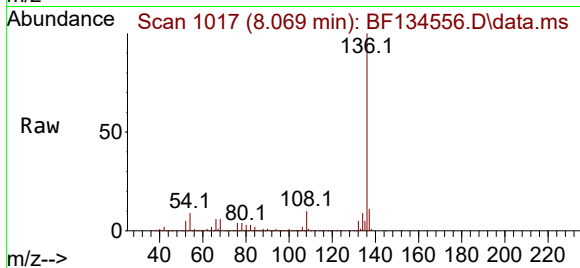
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.7 5.2 7.8#

68 6.3 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 72.624 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

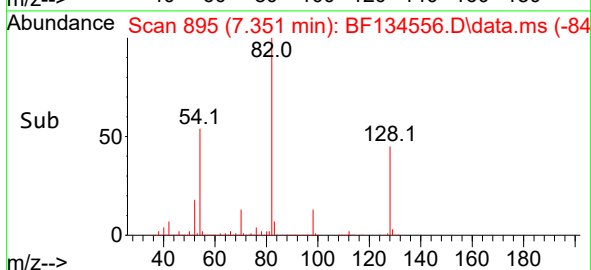
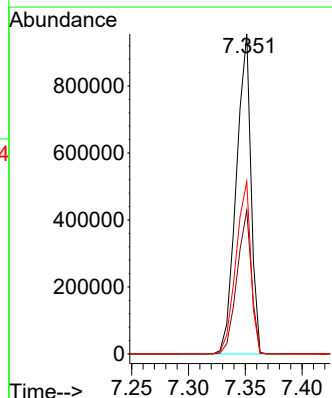
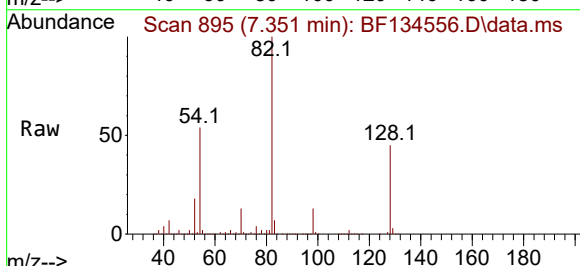
Tgt Ion: 82 Resp: 856089

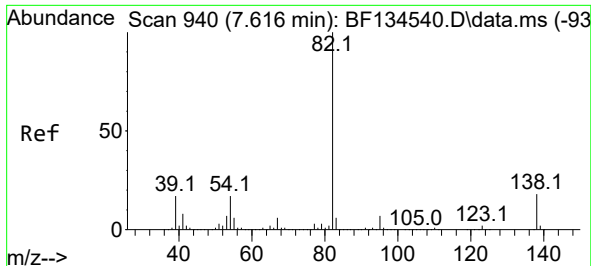
Ion Ratio Lower Upper

82 100

128 44.9 34.3 51.5

54 53.8 43.8 65.6

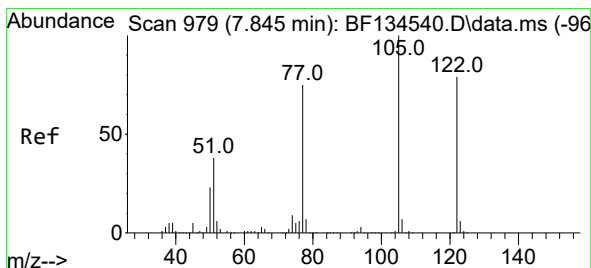
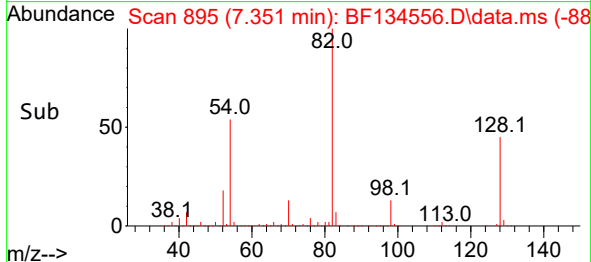
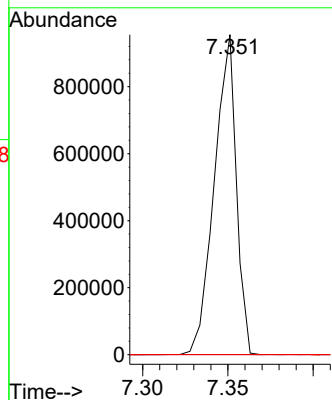
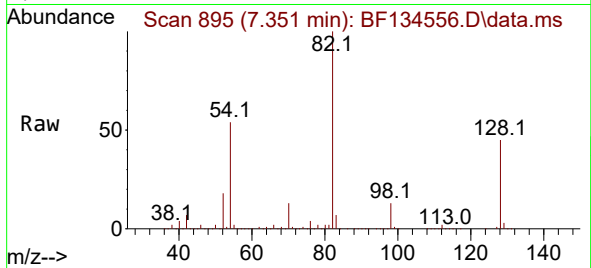




#25
Isophorone
Concen: 33.235 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

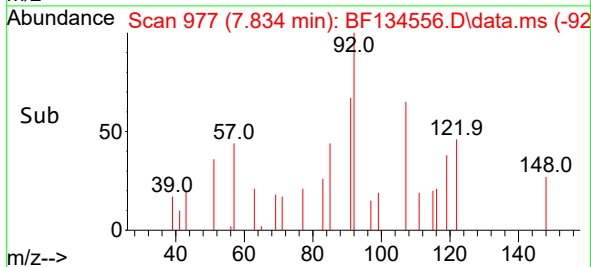
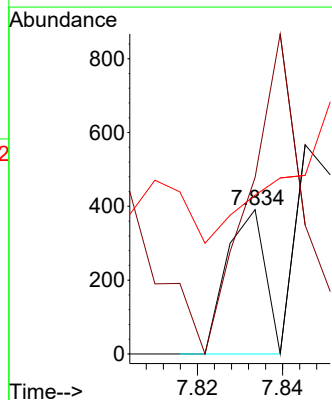
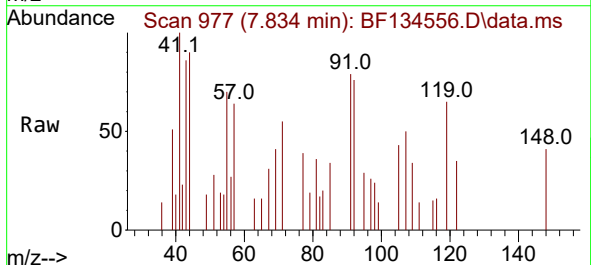
Instrument :
BNA_F
ClientSampleId :
SB-08-(0.5-2.0)

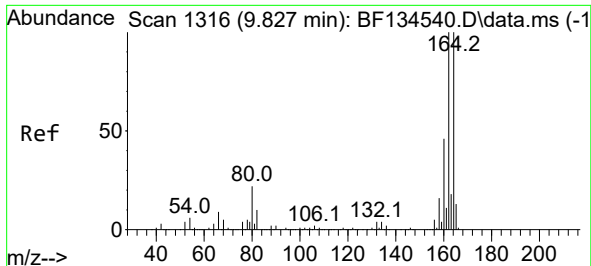
Tgt Ion: 82 Resp: 854498
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.894 ng
RT: 7.834 min Scan# 977
Delta R.T. -0.011 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:122 Resp: 244
Ion Ratio Lower Upper
122 100
105 122.3 87.5 127.5
77 110.0 71.4 111.4

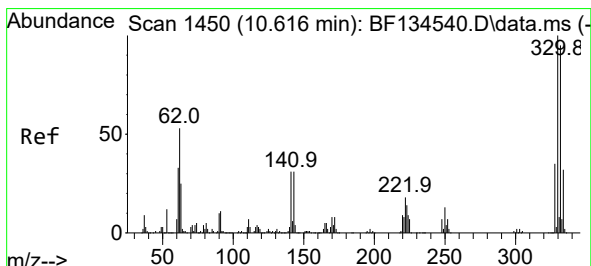
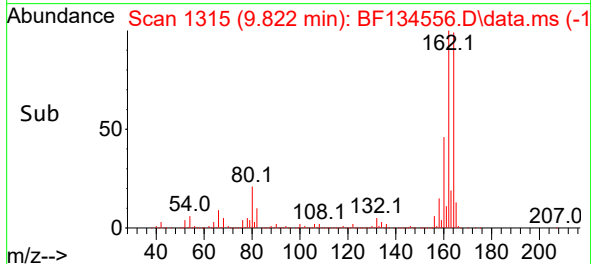
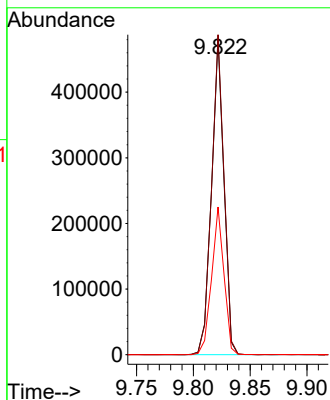
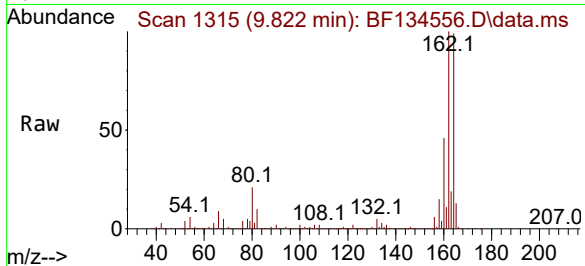




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

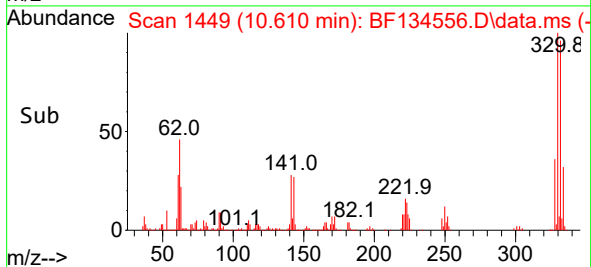
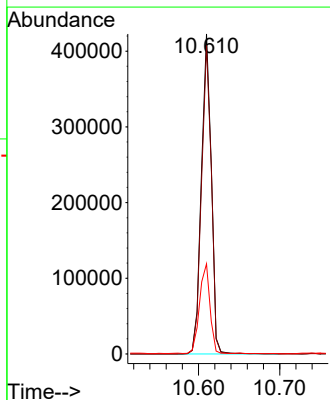
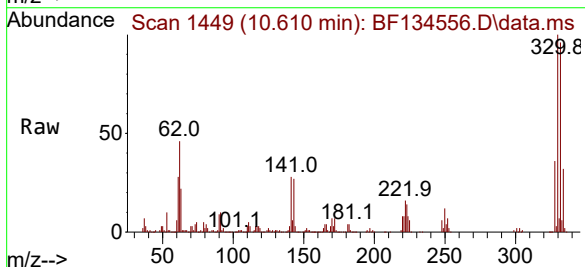
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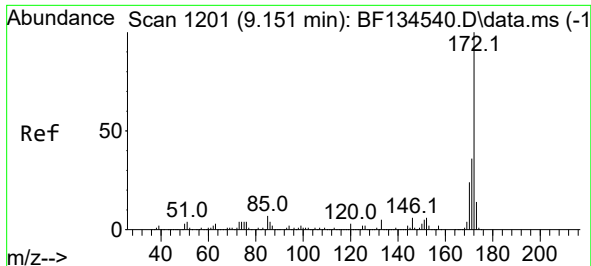
Tgt Ion:164 Resp: 365569
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 46.7 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 95.982 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:330 Resp: 357688
Ion Ratio Lower Upper
330 100
332 96.2 78.8 118.2
141 29.9 25.4 38.2

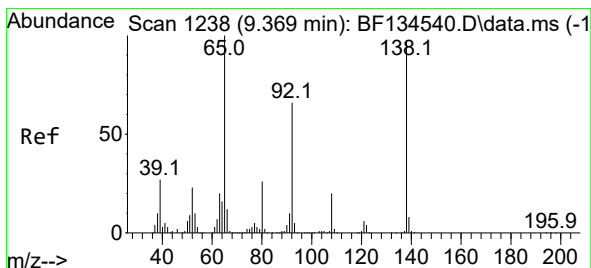
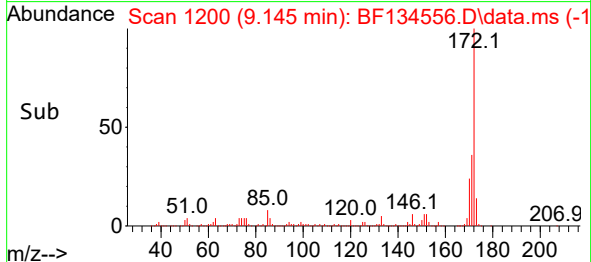
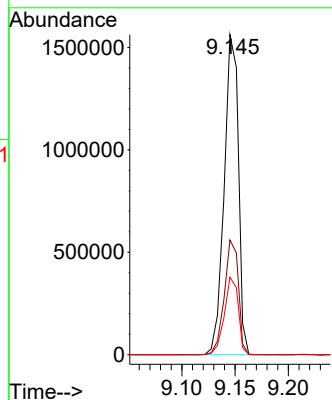
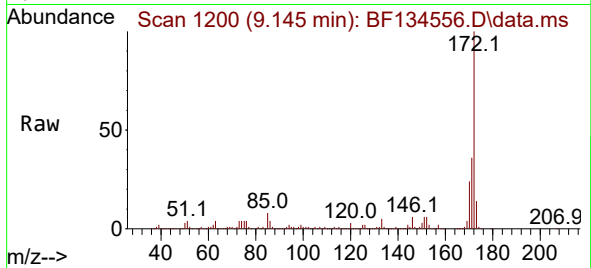




#45
2-Fluorobiphenyl
Concen: 65.758 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

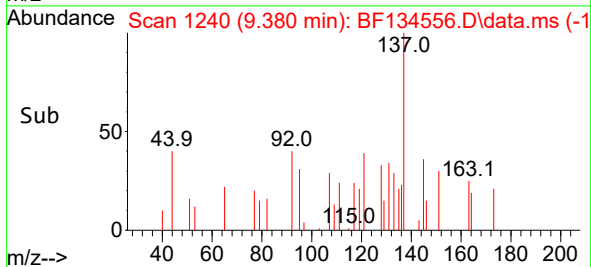
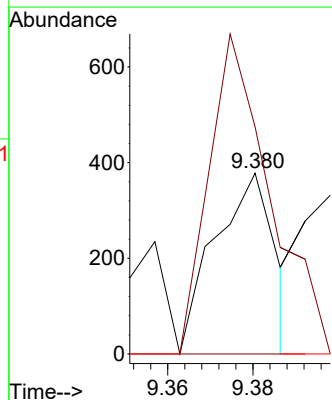
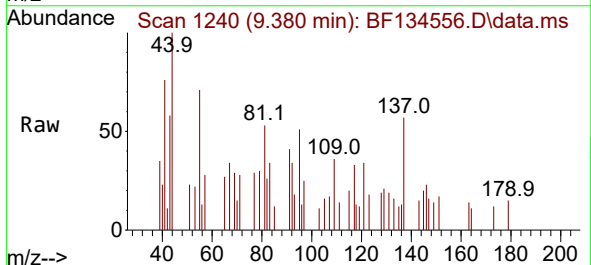
Instrument :
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SB-08-(0.5-2.0)

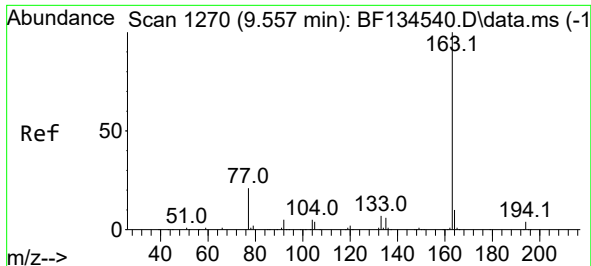
Tgt Ion:172 Resp: 1445788
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 24.2 18.7 28.1



#48
2-Nitroaniline
Concen: 3.218 ng
RT: 9.380 min Scan# 1240
Delta R.T. 0.011 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion: 65 Resp: 372
Ion Ratio Lower Upper
65 100
92 125.7 50.7 76.1#
138 0.0 78.2 117.4#

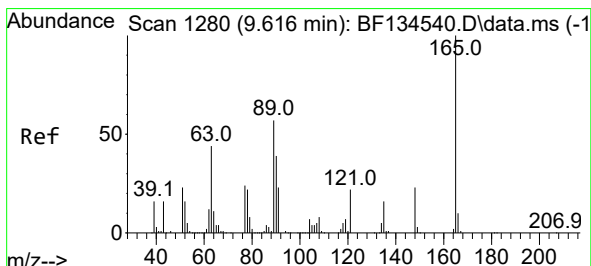
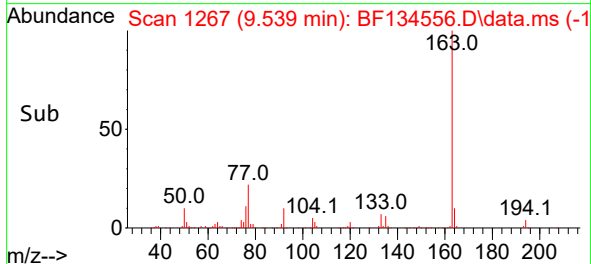
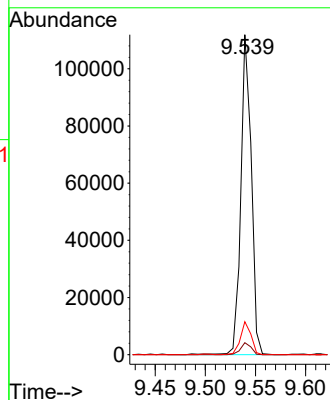
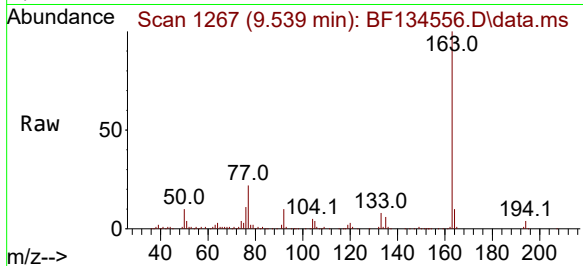




#50
Dimethylphthalate
Concen: 3.249 ng
RT: 9.539 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

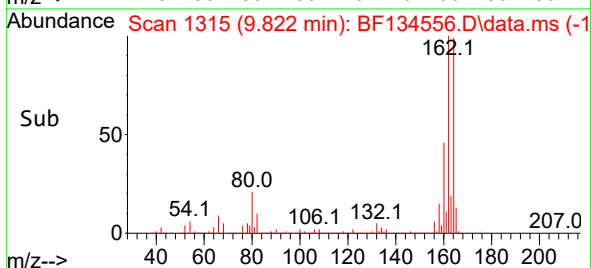
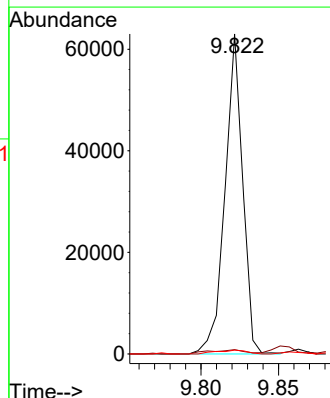
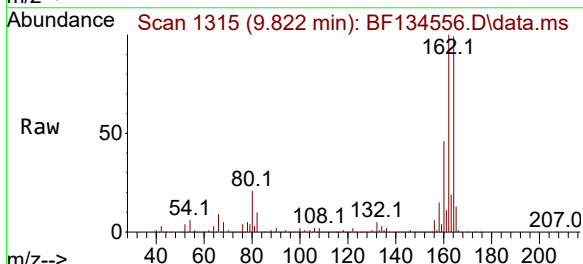
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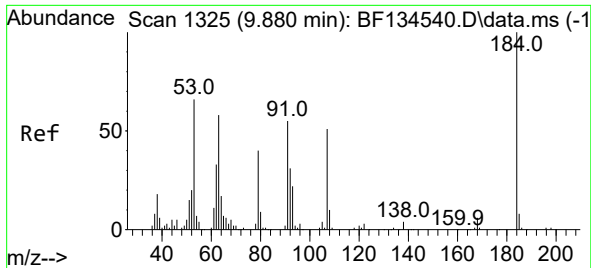
Tgt Ion:163 Resp: 80947
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.3 7.5 11.3



#51
2,6-Dinitrotoluene
Concen: 11.761 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:165 Resp: 49894
Ion Ratio Lower Upper
165 100
63 1.3 57.8 86.6#
89 1.2 51.8 77.8#

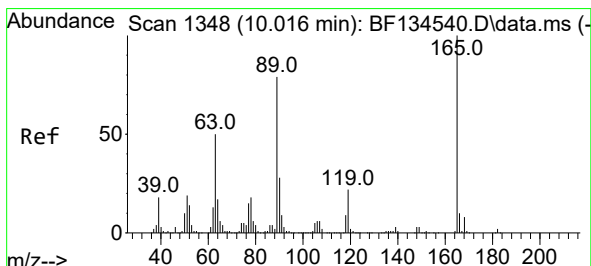
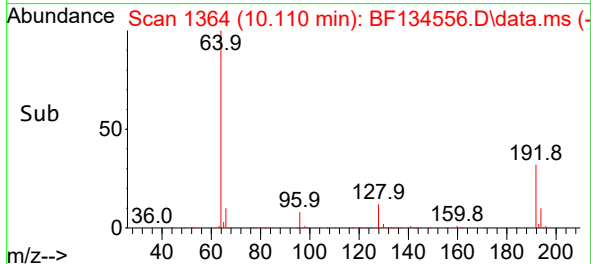
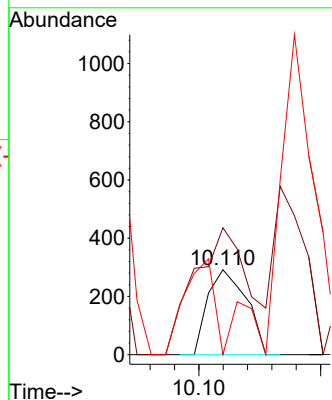
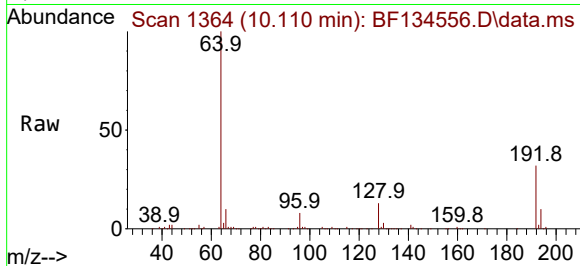




#54
2,4-Dinitrophenol
Concen: 6.992 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.230 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

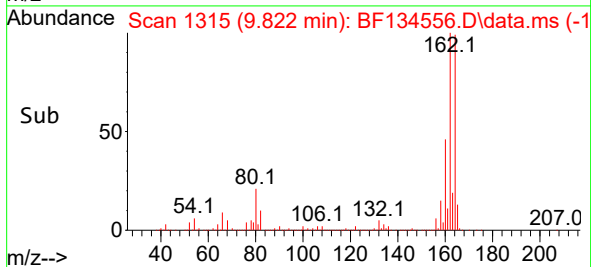
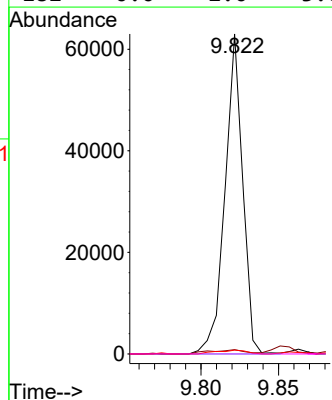
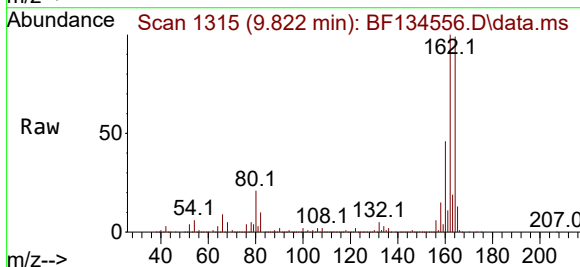
Instrument :
BNA_F
ClientSampleId :
SB-08-(0.5-2.0)

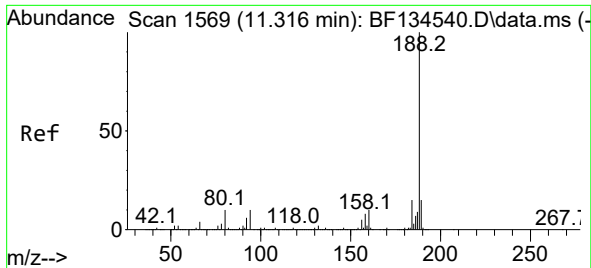
Tgt Ion:184 Resp: 321
Ion Ratio Lower Upper
184 100
63 149.3 57.1 85.7#
154 0.0 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 10.462 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:165 Resp: 49894
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.2 61.7 92.5#
182 0.0 2.0 3.0#

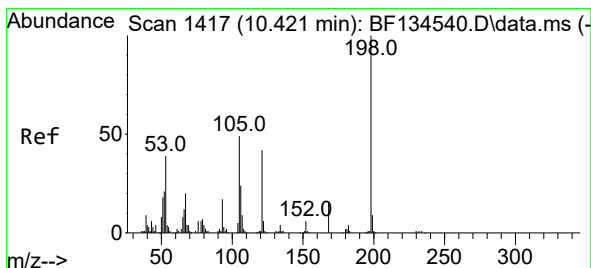
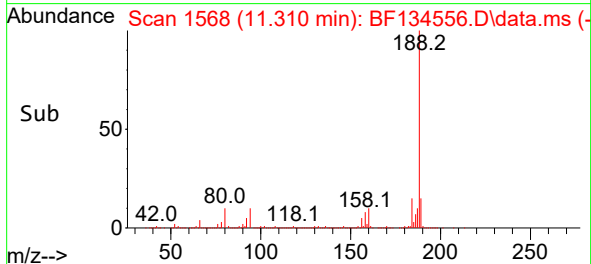
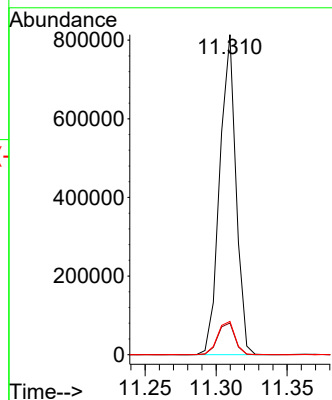
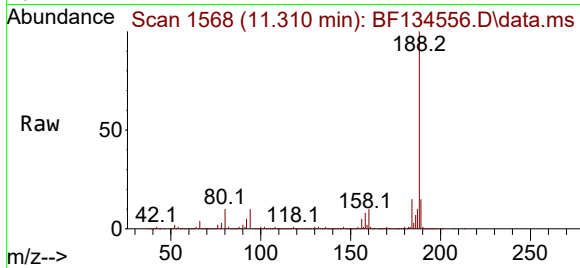




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

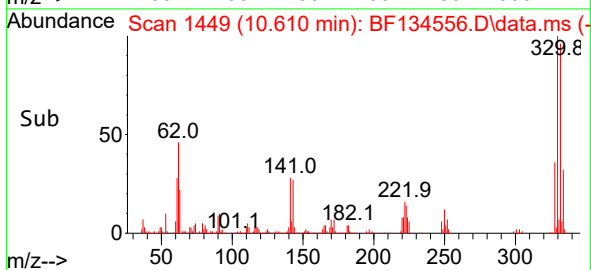
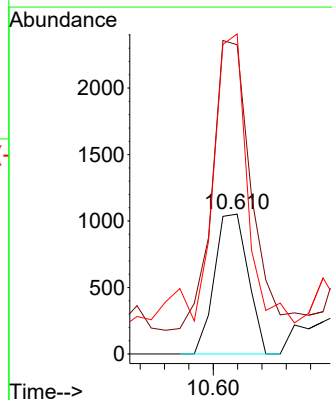
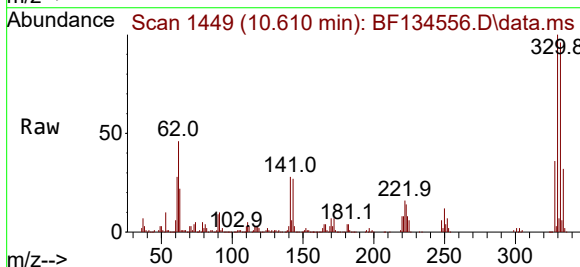
Instrument :
BNA_F
ClientSampleId :
SB-08-(0.5-2.0)

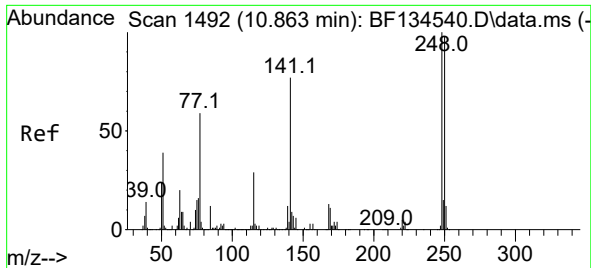
Tgt Ion:188 Resp: 647165
Ion Ratio Lower Upper
188 100
94 9.9 5.1 7.7#
80 10.4 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 9.014 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.189 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:198 Resp: 1006
Ion Ratio Lower Upper
198 100
51 221.2 38.6 78.6#
105 228.8 27.9 67.9#

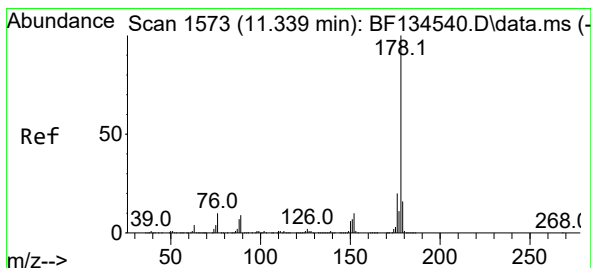
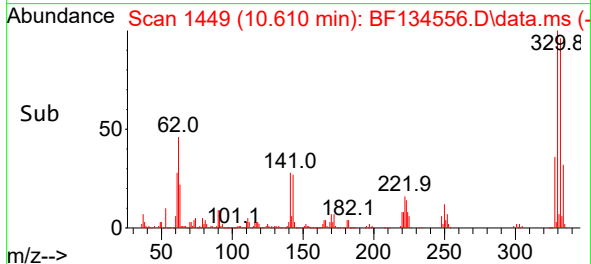
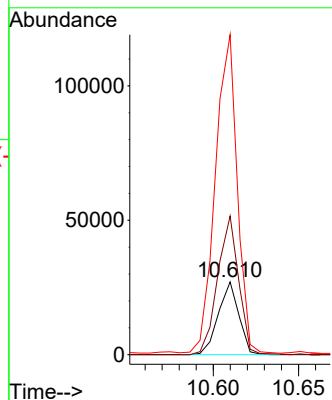
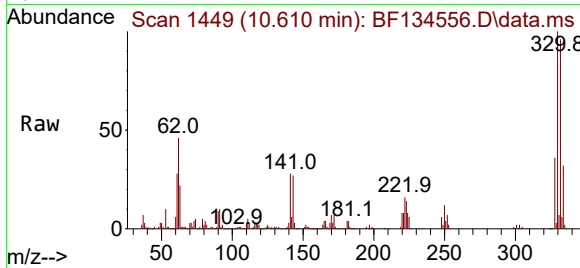




#67
4-Bromophenyl-phenylether
Concen: 3.198 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

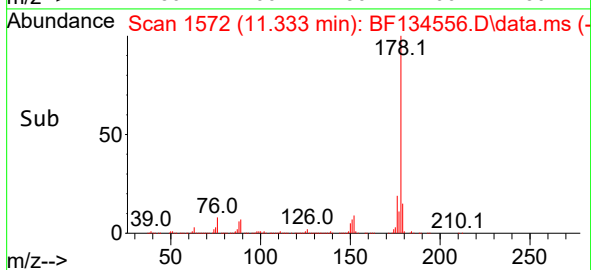
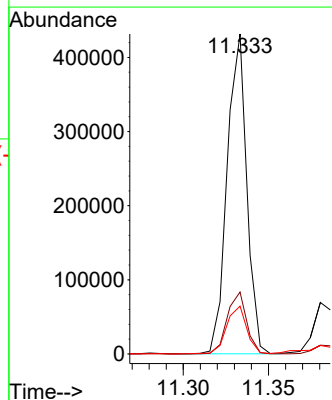
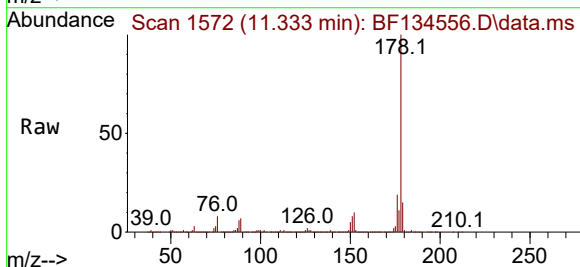
Instrument :
BNA_F
ClientSampleId :
SB-08-(0.5-2.0)

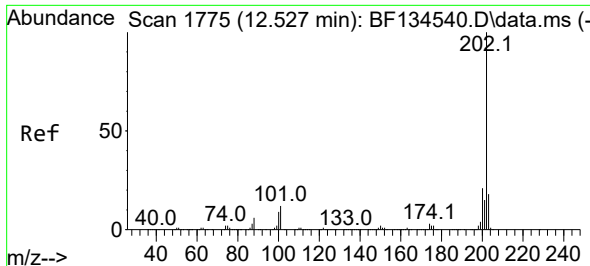
Tgt Ion:248 Resp: 22654
Ion Ratio Lower Upper
248 100
250 190.6 79.6 119.4#
141 439.5 59.6 89.4#



#71
Phenanthrene
Concen: 10.063 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:178 Resp: 345926
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 14.9 12.7 19.1

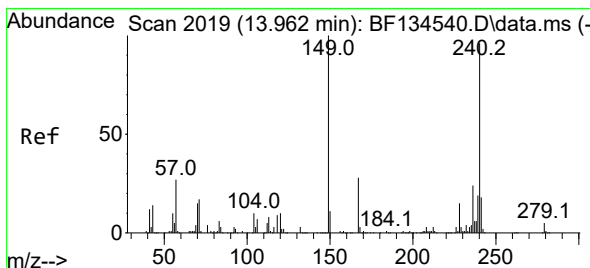
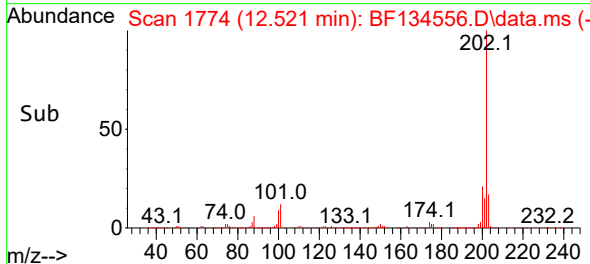
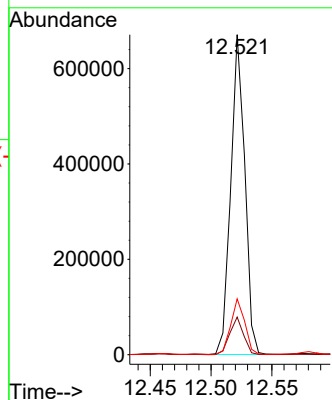
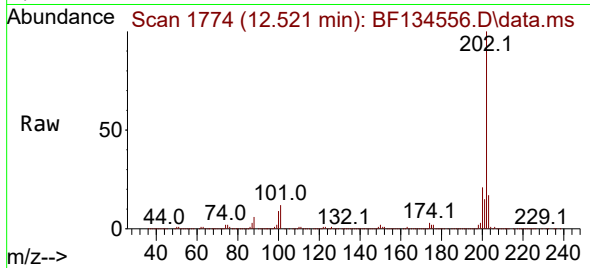




#75
Fluoranthene
Concen: 14.777 ng
RT: 12.521 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

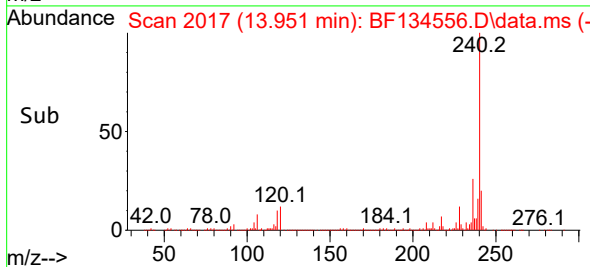
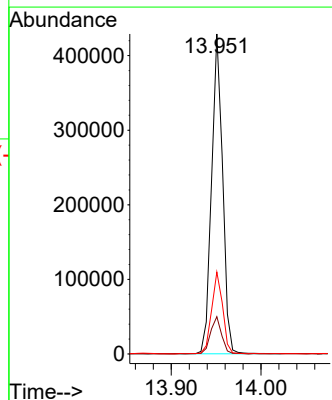
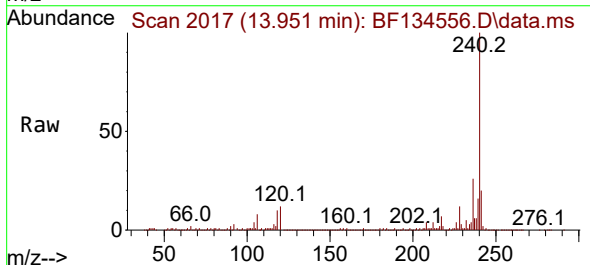
Instrument :
BNA_F
ClientSampleId :
SB-08-(0.5-2.0)

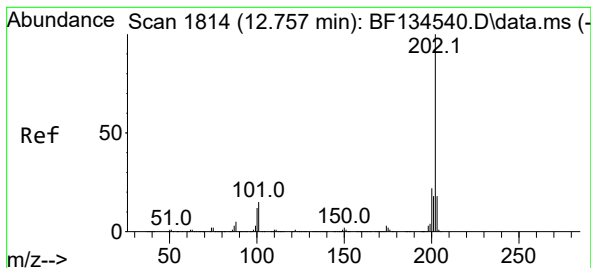
Tgt Ion:202 Resp: 536565
Ion Ratio Lower Upper
202 100
101 11.8 0.0 28.5
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:240 Resp: 366423
Ion Ratio Lower Upper
240 100
120 11.6 6.6 10.0#
236 25.6 20.2 30.2





#78

Pyrene

Concen: 13.696 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Instrument :

BNA_F

ClientSampleId :

SB-08-(0.5-2.0)

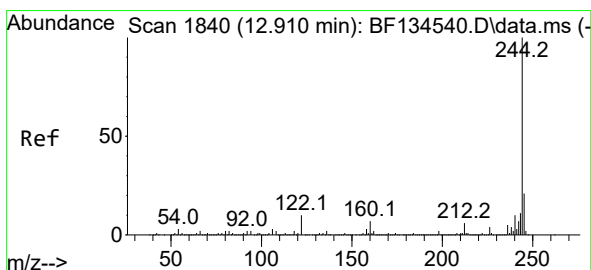
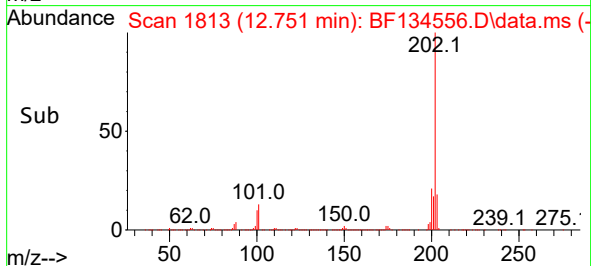
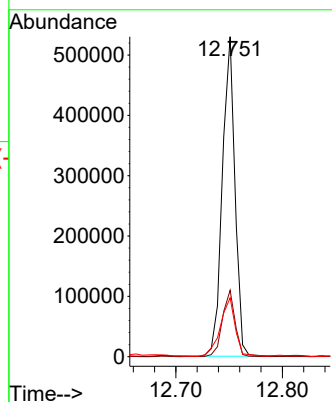
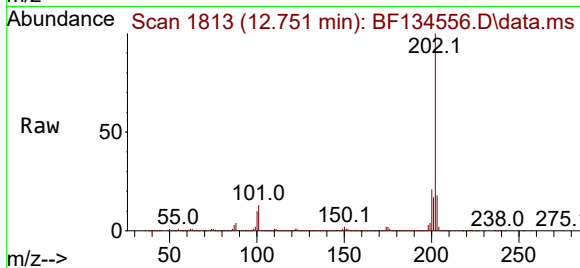
Tgt Ion:202 Resp: 434249

Ion Ratio Lower Upper

202 100

200 20.8 15.8 23.8

203 18.4 13.5 20.3



#79

Terphenyl-d14

Concen: 65.211 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

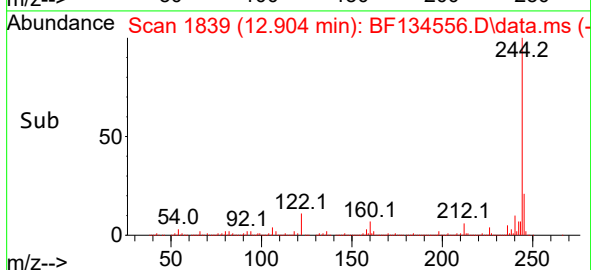
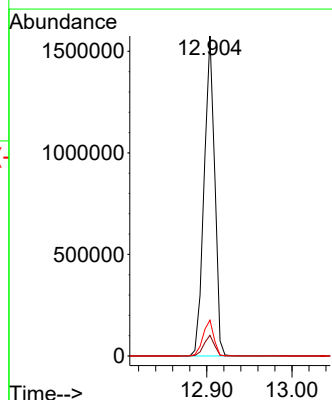
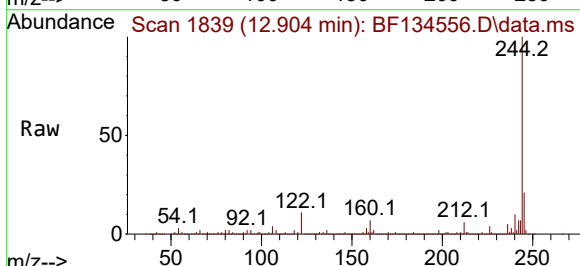
Tgt Ion:244 Resp: 1355450

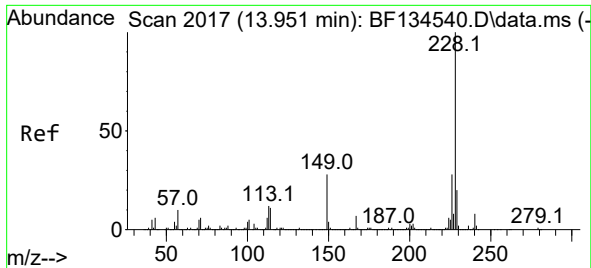
Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 11.2 8.0 12.0

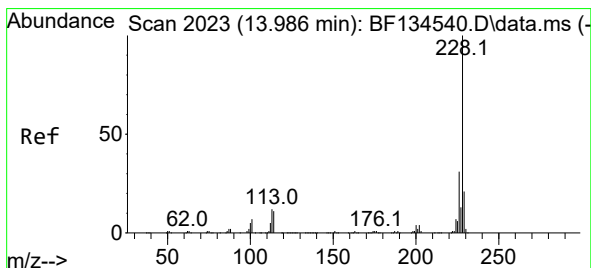
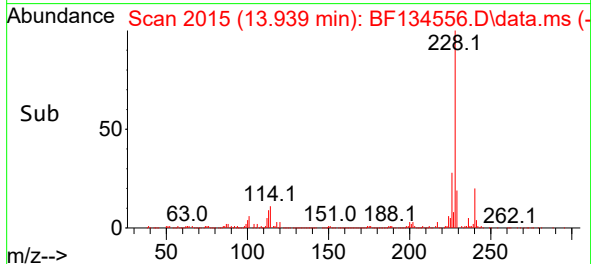
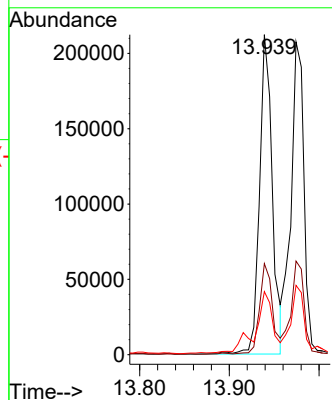
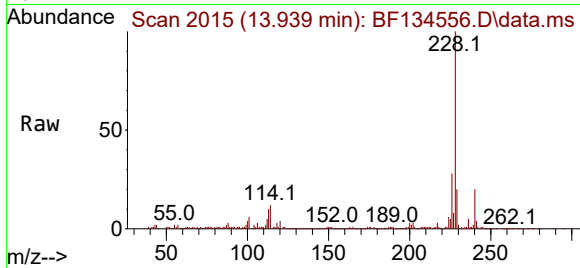




#81
Benzo(a)anthracene
Concen: 8.023 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

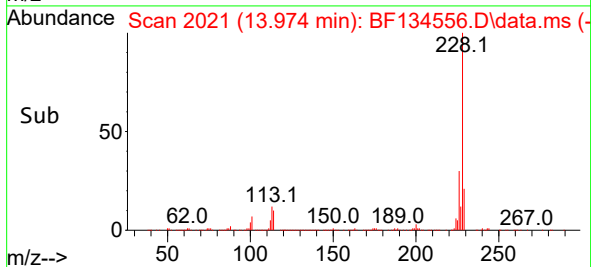
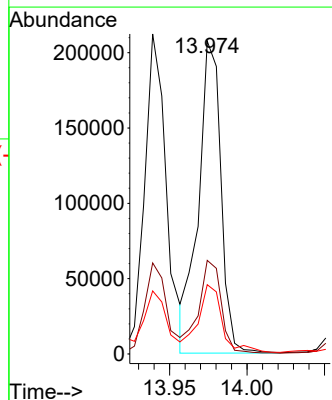
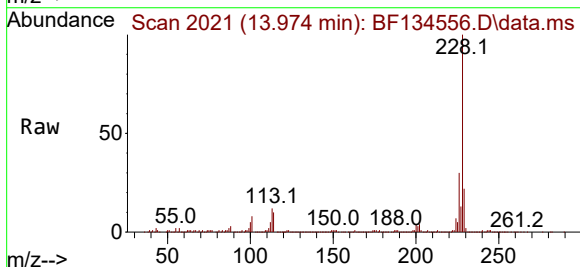
Instrument :
BNA_F
ClientSampleId :
SB-08-(0.5-2.0)

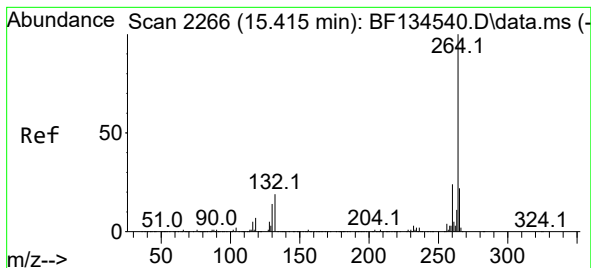
Tgt Ion:228 Resp: 210211
Ion Ratio Lower Upper
228 100
226 28.5 22.3 33.5
229 19.7 15.8 23.6



#83
Chrysene
Concen: 8.210 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:228 Resp: 209562
Ion Ratio Lower Upper
228 100
226 29.9 24.5 36.7
229 22.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Instrument :

BNA_F

ClientSampleId :

SB-08-(0.5-2.0)

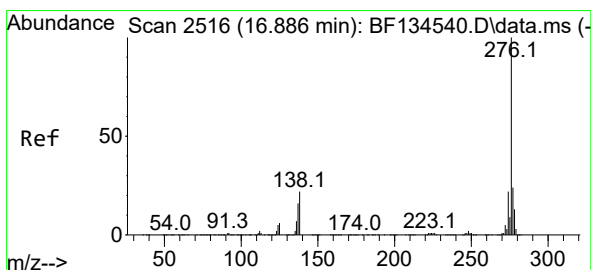
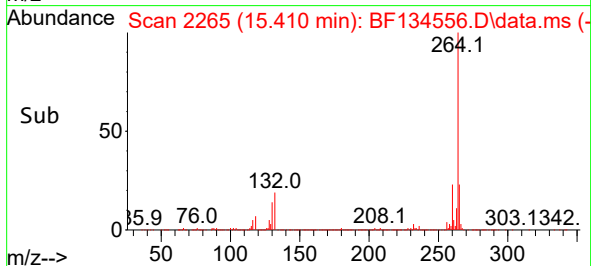
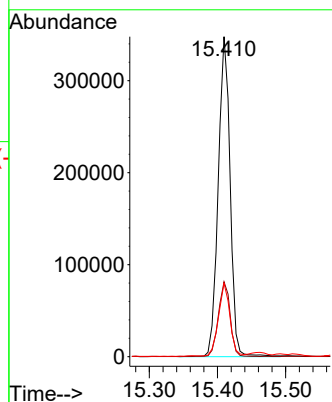
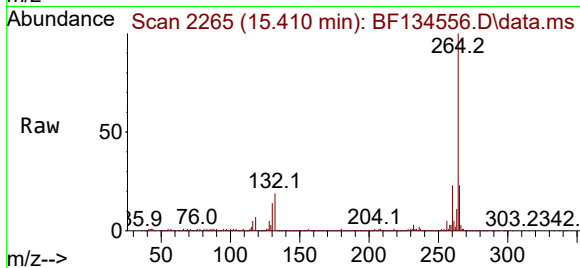
Tgt Ion:264 Resp: 422938

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 23.0 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.302 ng

RT: 16.868 min Scan# 2513

Delta R.T. -0.018 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

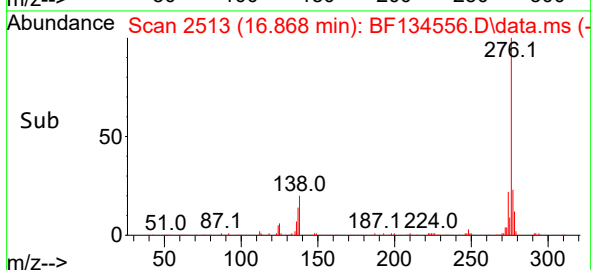
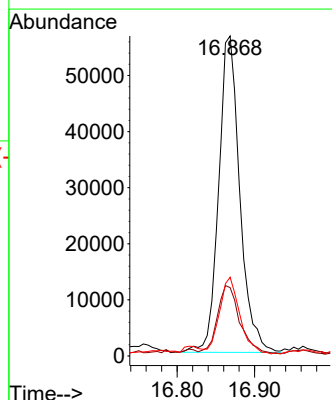
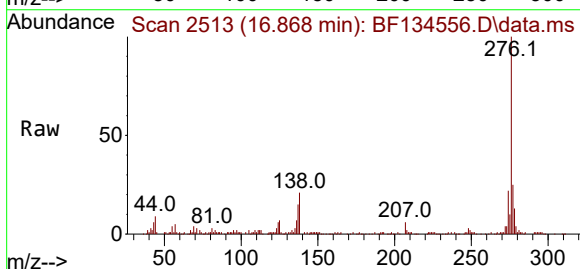
Tgt Ion:276 Resp: 107020

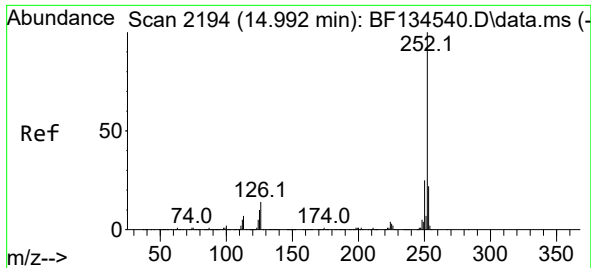
Ion Ratio Lower Upper

276 100

138 23.3 14.2 21.4#

277 23.3 19.9 29.9

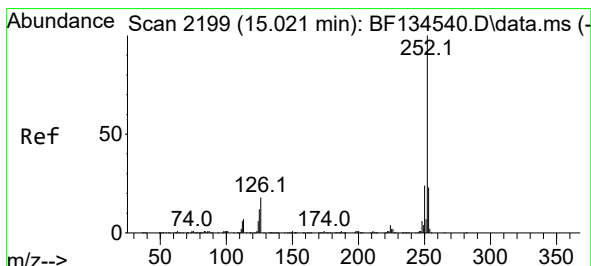
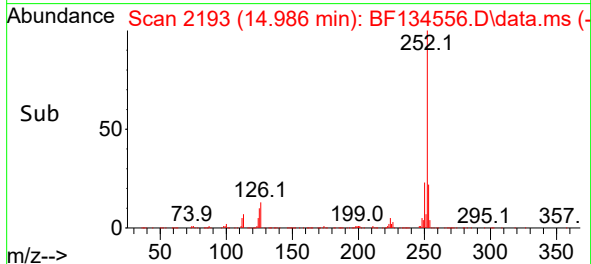
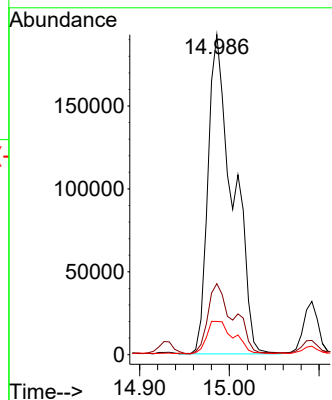
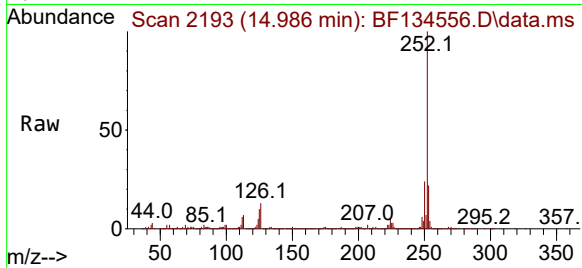




#88
Benzo(b)fluoranthene
Concen: 14.405 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

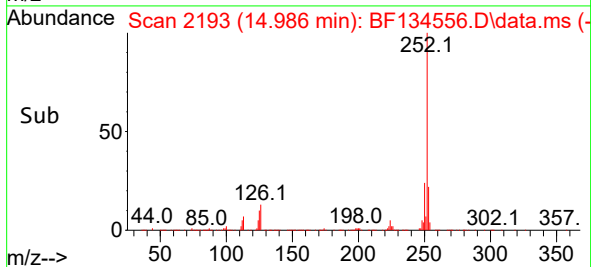
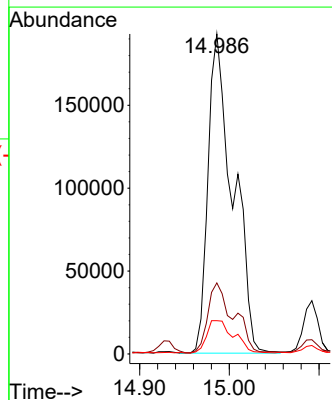
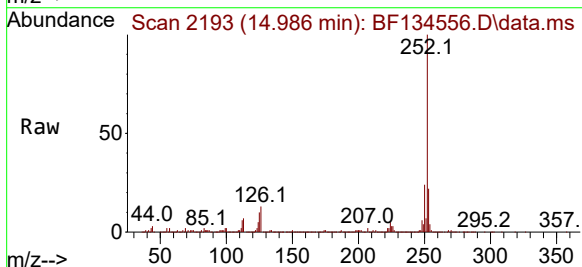
Instrument :
BNA_F
ClientSampleId :
SB-08-(0.5-2.0)

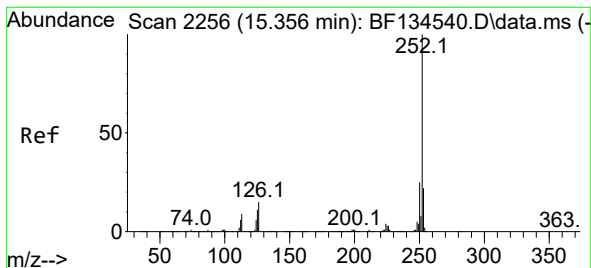
Tgt Ion:252 Resp: 371565
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 10.4 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 14.460 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF134556.D
Acq: 01 Aug 2023 19:24

Tgt Ion:252 Resp: 371565
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 10.4 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 7.769 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Instrument :

BNA_F

ClientSampleId :

SB-08-(0.5-2.0)

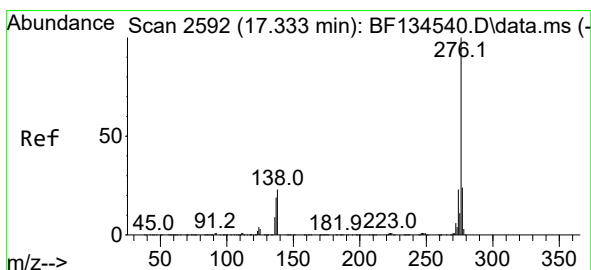
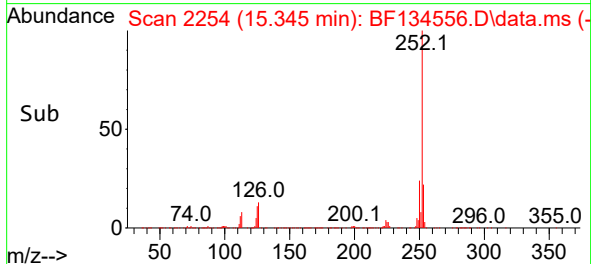
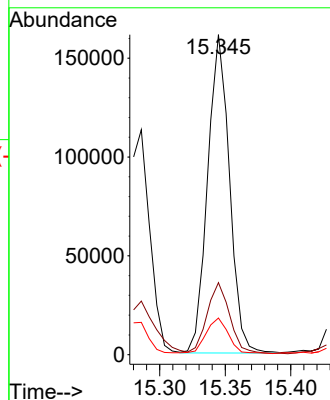
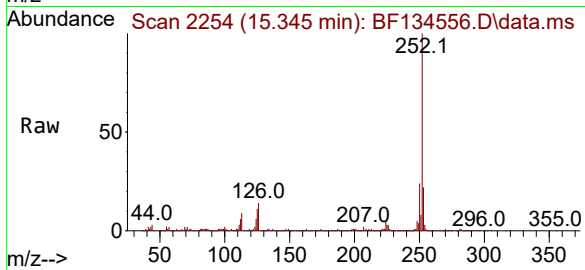
Tgt Ion:252 Resp: 186837

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 11.4 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 4.691 ng

RT: 17.309 min Scan# 2588

Delta R.T. -0.023 min

Lab File: BF134556.D

Acq: 01 Aug 2023 19:24

Tgt Ion:276 Resp: 96200

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.6

138 24.0 12.2 18.2#

