

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
 Data File : BF134827.D
 Acq On : 17 Aug 2023 20:33
 Operator : CG\JU
 Sample : 04046-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-5)

Quant Time: Aug 18 01:08:14 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

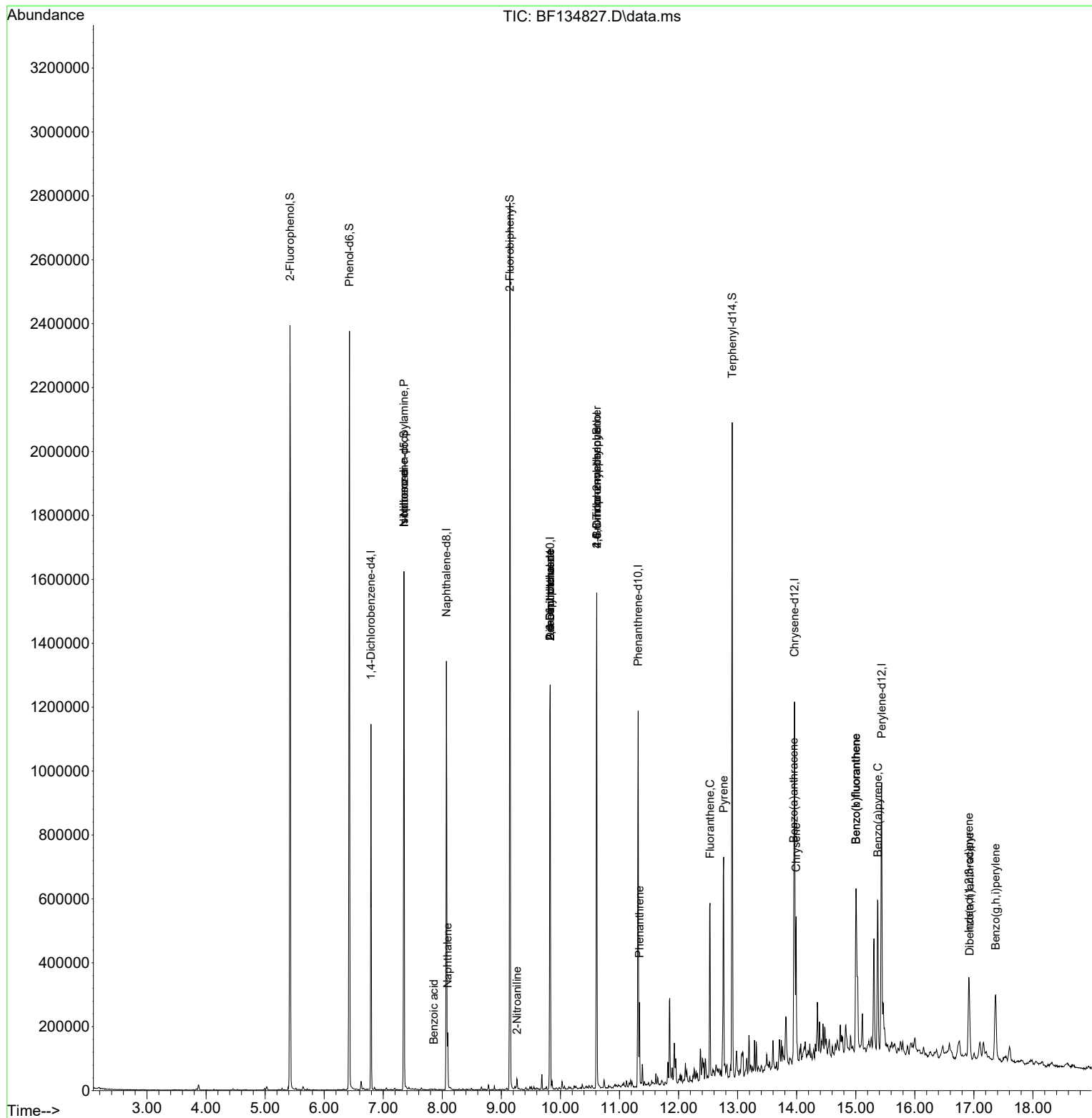
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	144391	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	557325	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	261891	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	402086	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	309770	20.000	ng	#-0.01
86) Perylene-d12	15.439	264	393116	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	639671	67.342	ng	0.00
7) Phenol-d6	6.428	99	801867	66.039	ng	-0.01
23) Nitrobenzene-d5	7.351	82	481768	54.021	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	183289	68.655	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	837234	53.154	ng	-0.02
79) Terphenyl-d14	12.910	244	677489	38.555	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.345	77	323	Below Cal		Qvalue # 80
19) n-Nitroso-di-n-propyla...	7.351	70	64090	8.816	ng	# 75
25) Isophorone	7.351	82	476852	24.515	ng	# 65
31) Naphthalene	8.092	128	64769	2.312	ng	# 99
32) Benzoic acid	7.857	122	126	7.886	ng	# 43
48) 2-Nitroaniline	9.263	65	348	3.234	ng	# 8
50) Dimethylphthalate	9.828	163	55772	3.125	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	33930	11.291	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	33930	10.076	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	388	8.894	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	12196	2.771	ng	# 1
71) Phenanthrene	11.339	178	94276	4.414	ng	98
75) Fluoranthene	12.533	202	224163	9.936	ng	99
78) Pyrene	12.763	202	283956	10.593	ng	98
81) Benzo(a)anthracene	13.951	228	190767	8.612	ng	97
83) Chrysene	13.992	228	190292	8.818	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	171678	7.425	ng	# 96
88) Benzo(b)fluoranthene	15.004	252	372197	15.524	ng	# 96
89) Benzo(k)fluoranthene	15.004	252	372197	15.584	ng	# 97
90) Benzo(a)pyrene	15.374	252	242866	10.864	ng	# 96
91) Dibenzo(a,h)anthracene	16.927	278	41389	2.215	ng	# 93
92) Benzo(g,h,i)perylene	17.368	276	172208	9.035	ng	# 91

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

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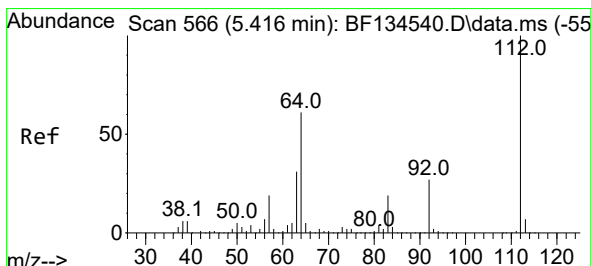
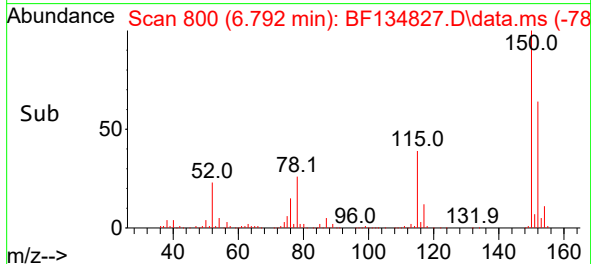
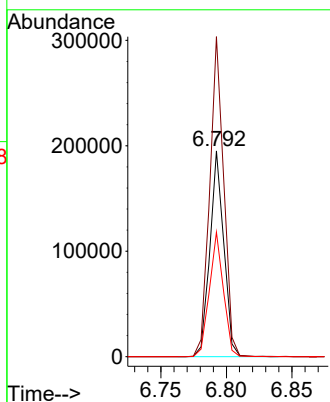
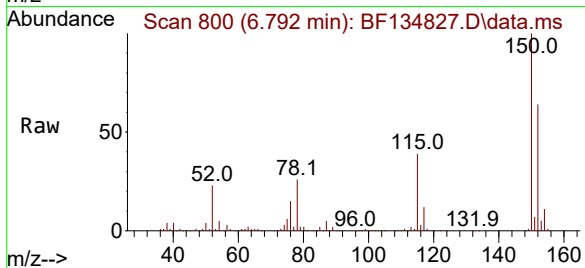




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF134827.D
 Acq: 17 Aug 2023 20:33

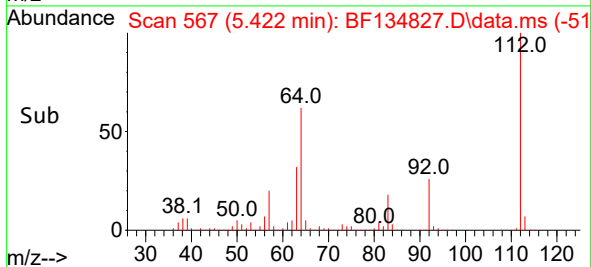
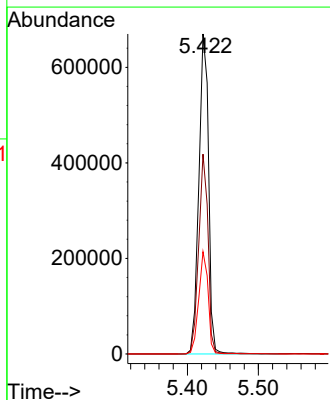
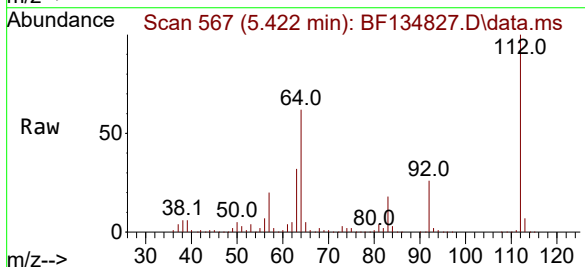
Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-5)

Tgt Ion:152 Resp: 144391
 Ion Ratio Lower Upper
 152 100
 150 155.6 128.3 192.5
 115 60.5 52.4 78.6



#5
 2-Fluorophenol
 Concen: 67.342 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF134827.D
 Acq: 17 Aug 2023 20:33

Tgt Ion:112 Resp: 639671
 Ion Ratio Lower Upper
 112 100
 64 62.5 44.9 67.3
 63 32.0 25.4 38.0





#7
Phenol-d6
Concen: 66.039 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

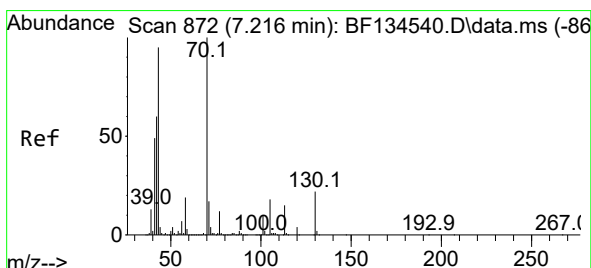
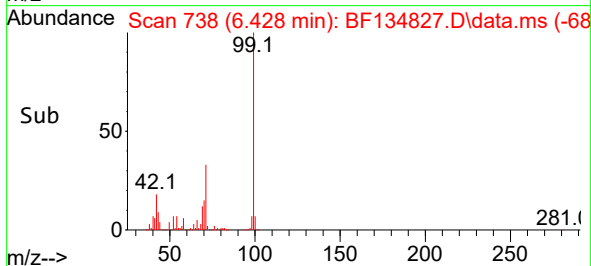
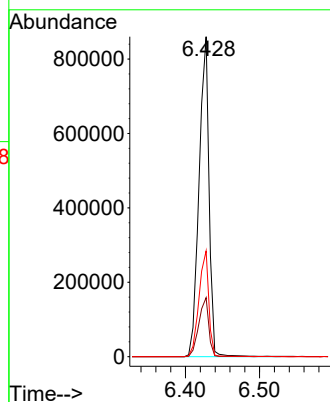
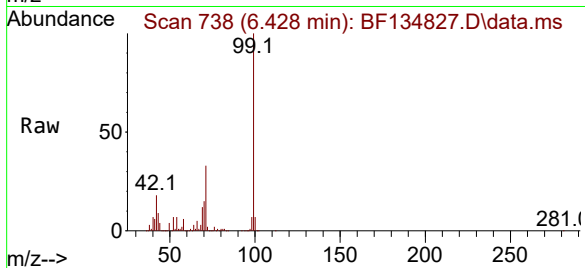
Instrument :

BNA_F

ClientSampleId :

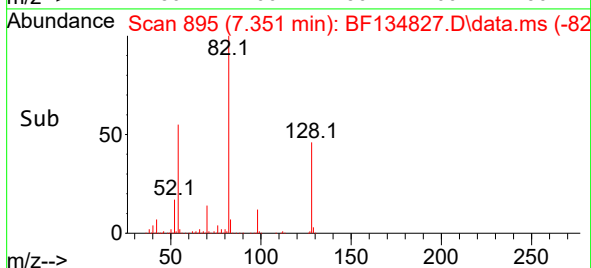
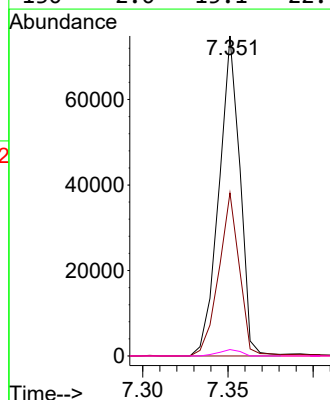
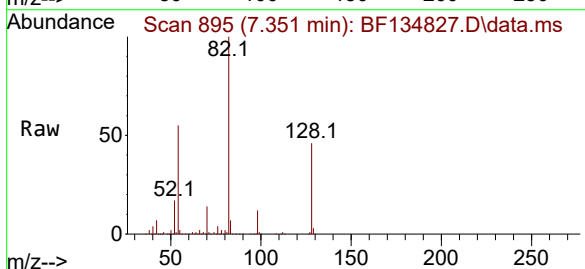
SB-06(0-5)

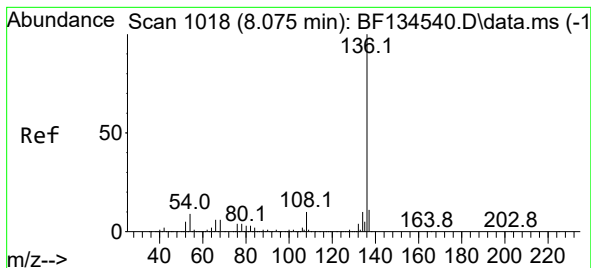
Tgt Ion: 99 Resp: 801867
Ion Ratio Lower Upper
99 100
42 18.5 18.7 28.1#
71 33.1 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 8.816 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

Tgt Ion: 70 Resp: 64090
Ion Ratio Lower Upper
70 100
42 51.0 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: 8.069 min Scan# 1017

Delta R.T. -0.012 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)

Tgt Ion:136 Resp: 557325

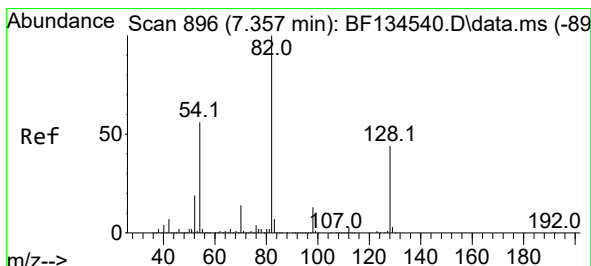
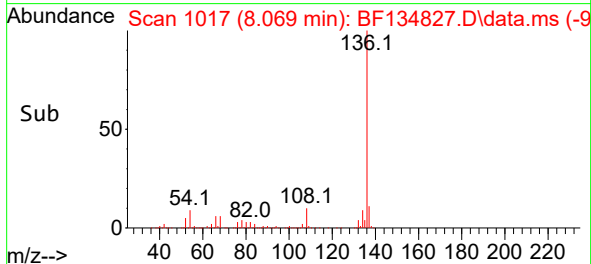
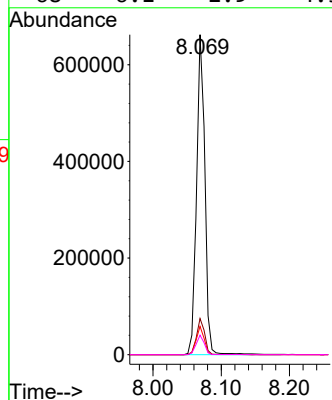
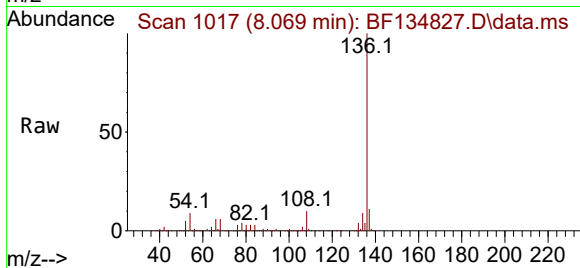
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 8.9 5.2 7.8#

68 6.1 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 54.021 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

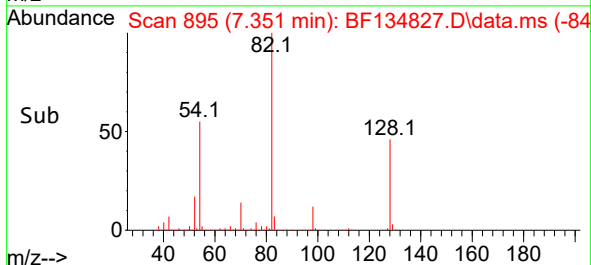
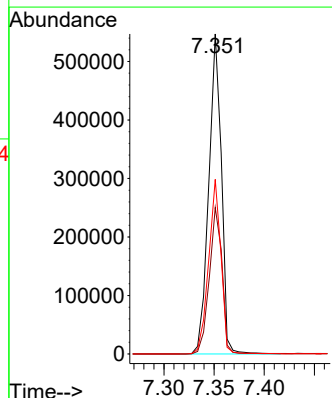
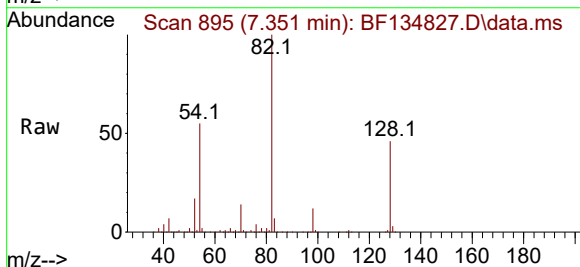
Tgt Ion: 82 Resp: 481768

Ion Ratio Lower Upper

82 100

128 45.7 34.3 51.5

54 54.6 43.8 65.6

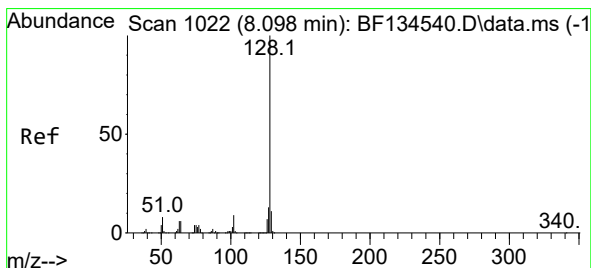
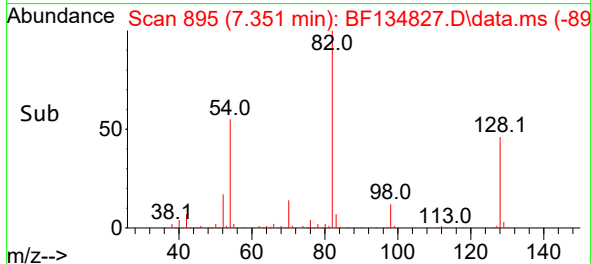
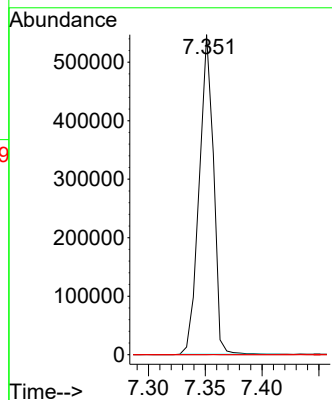
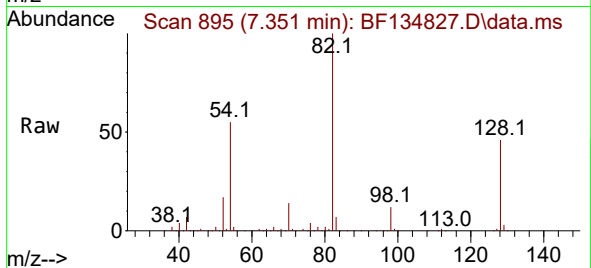




#25
Isophorone
Concen: 24.515 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

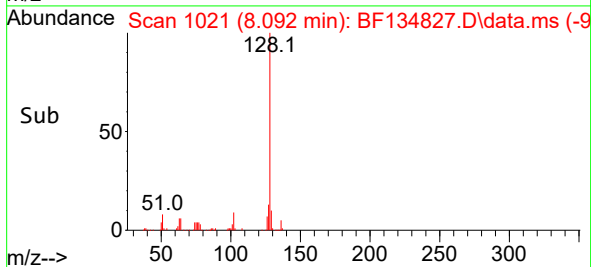
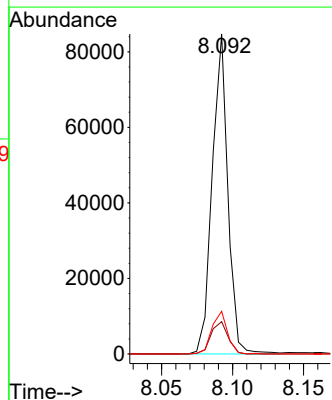
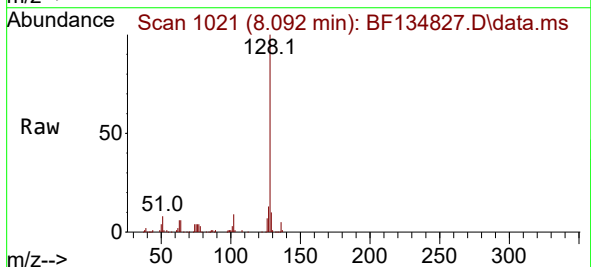
Instrument :
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SB-06(0-5)

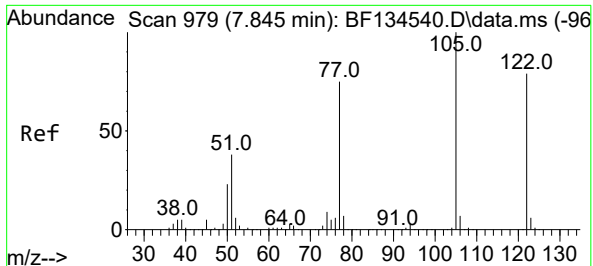
Tgt Ion: 82 Resp: 476852
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#31
Naphthalene
Concen: 2.312 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

Tgt Ion:128 Resp: 64769
Ion Ratio Lower Upper
128 100
129 10.1 8.4 12.6
127 13.3 10.7 16.1

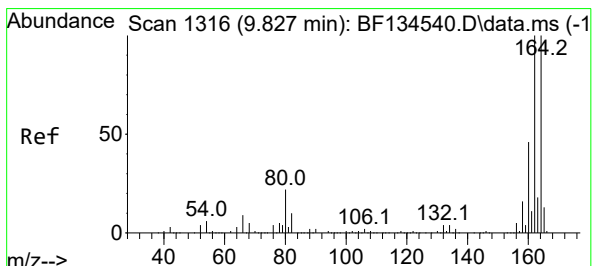
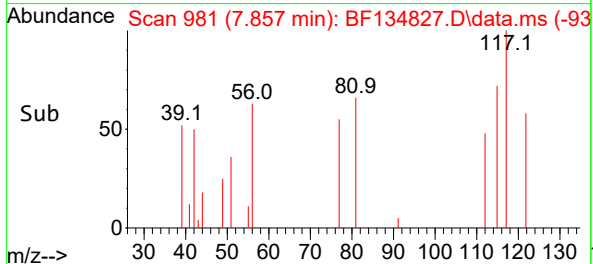
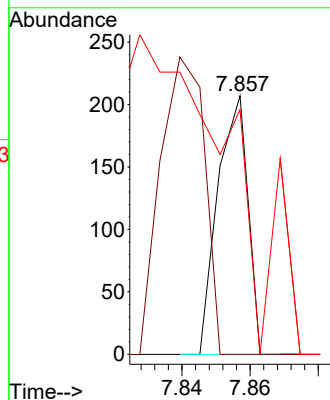
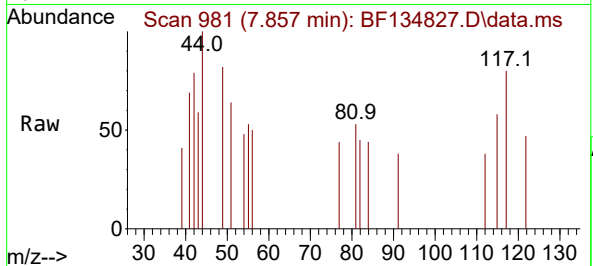




#32
Benzoic acid
Concen: 7.886 ng
RT: 7.857 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

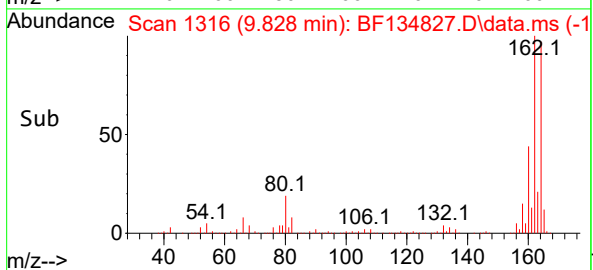
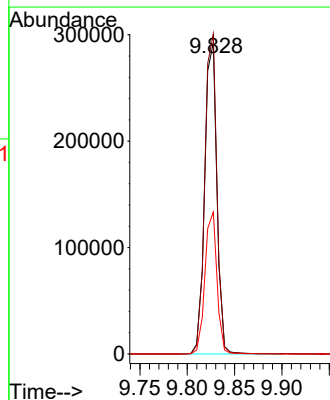
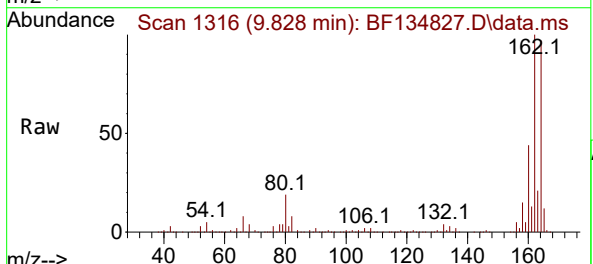
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SB-06(0-5)

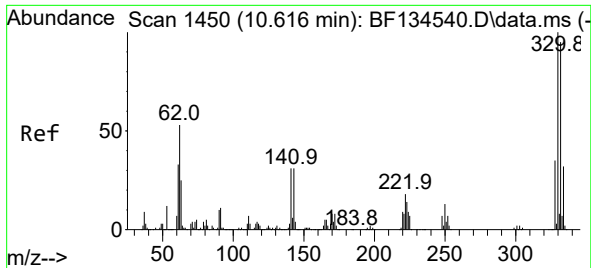
Tgt Ion:122 Resp: 126
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 94.7 71.4 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

Tgt Ion:164 Resp: 261891
Ion Ratio Lower Upper
164 100
162 102.8 82.6 123.8
160 45.6 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 68.655 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)

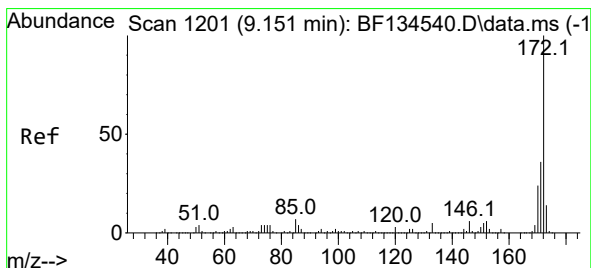
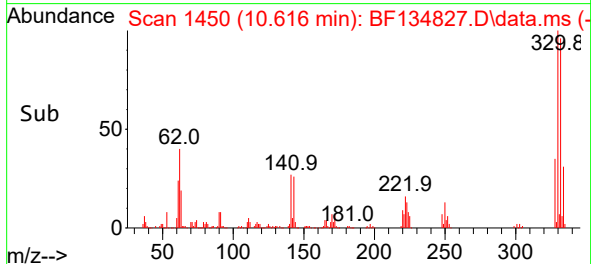
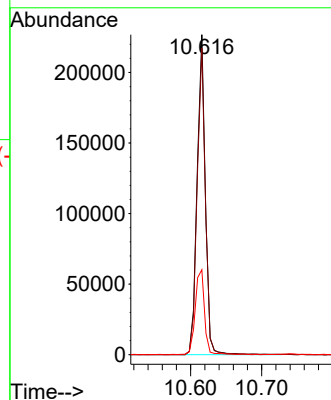
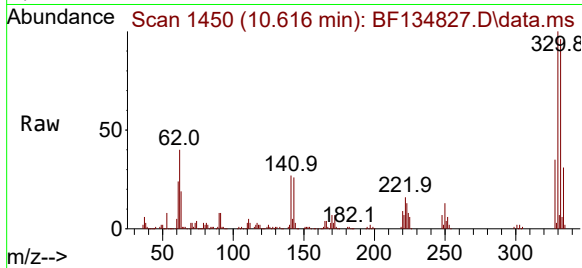
Tgt Ion:330 Resp: 183289

Ion Ratio Lower Upper

330 100

332 95.9 78.8 118.2

141 30.2 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 53.154 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

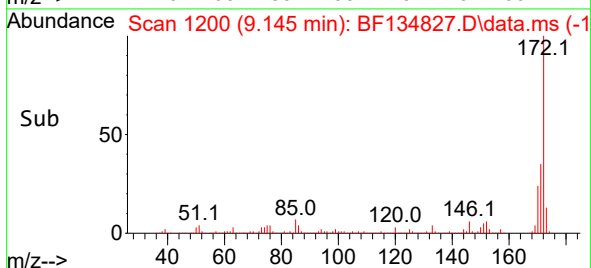
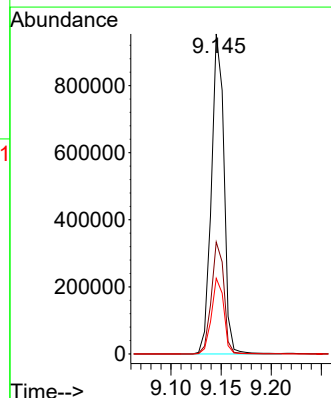
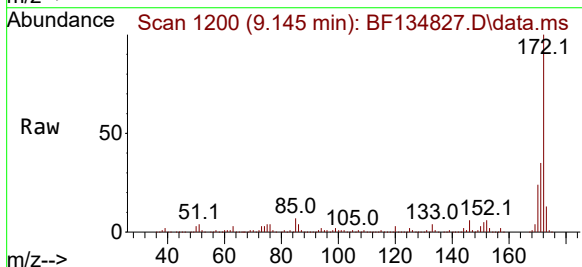
Tgt Ion:172 Resp: 837234

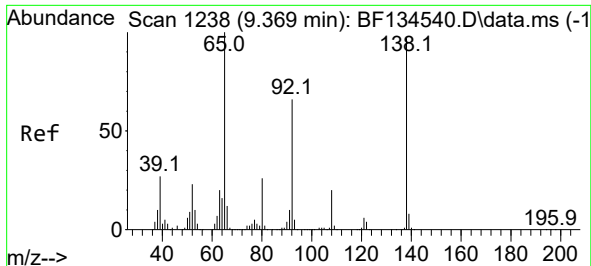
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.7 18.7 28.1

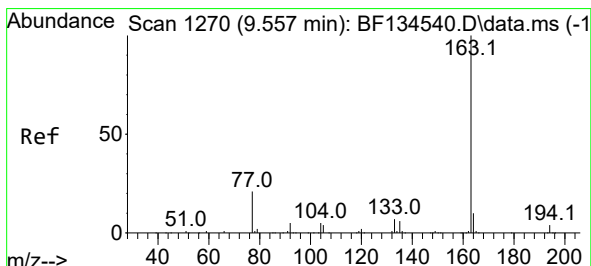
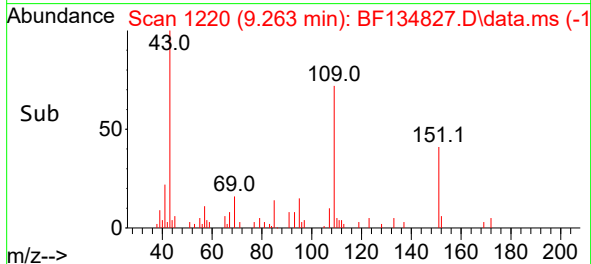
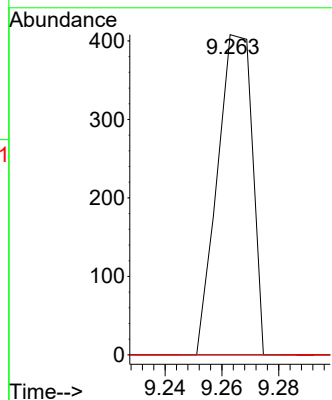
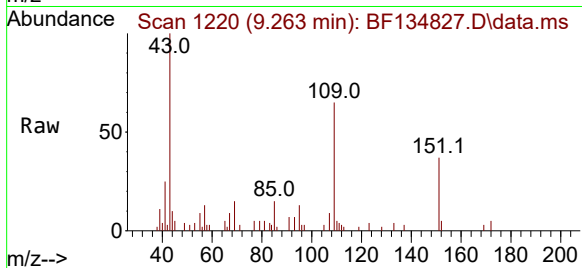




#48
2-Nitroaniline
Concen: 3.234 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.118 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

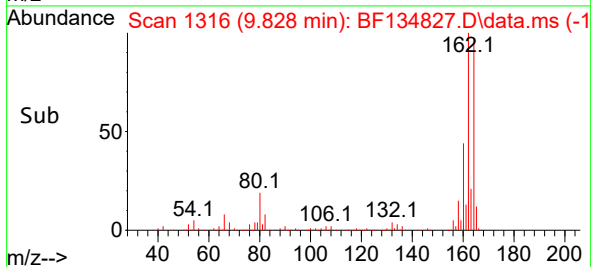
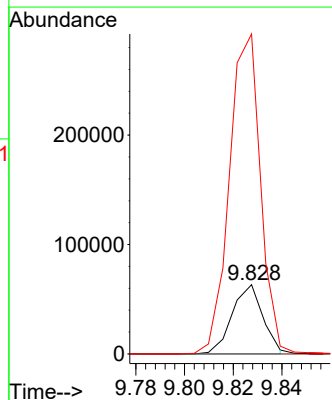
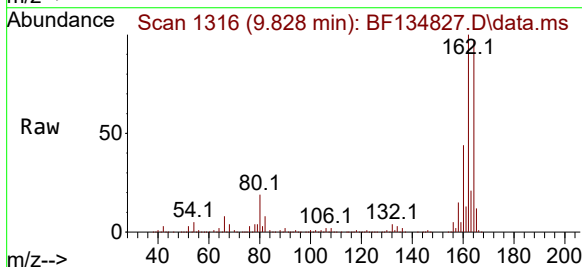
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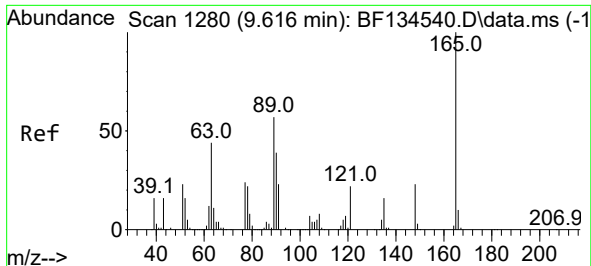
Tgt Ion: 65 Resp: 348
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 0.0 78.2 117.4#



#50
Dimethylphthalate
Concen: 3.125 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

Tgt Ion: 163 Resp: 55772
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 462.2 7.5 11.3#





#51

2,6-Dinitrotoluene

Concen: 11.291 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)

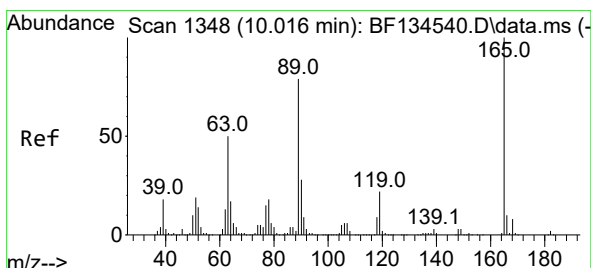
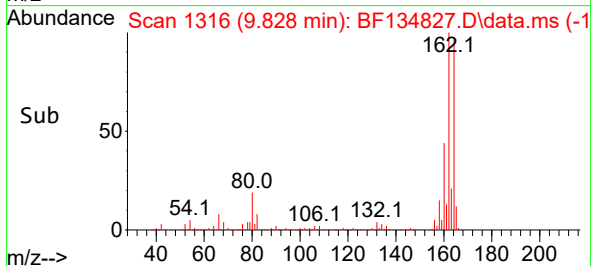
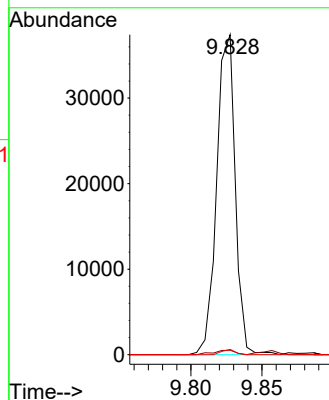
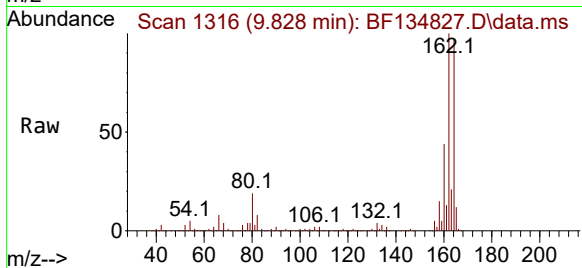
Tgt Ion:165 Resp: 33930

Ion Ratio Lower Upper

165 100

63 1.4 57.8 86.6#

89 1.6 51.8 77.8#



#57

2,4-Dinitrotoluene

Concen: 10.076 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

Tgt Ion:165 Resp: 33930

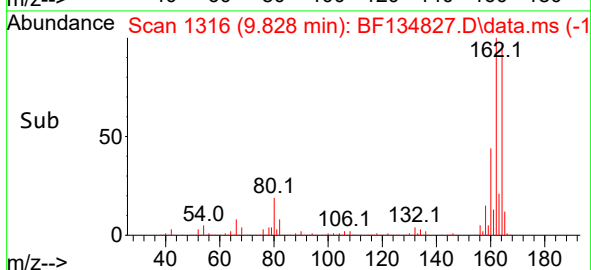
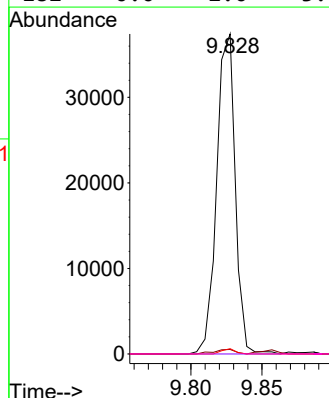
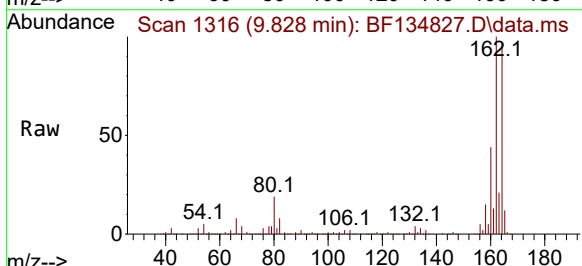
Ion Ratio Lower Upper

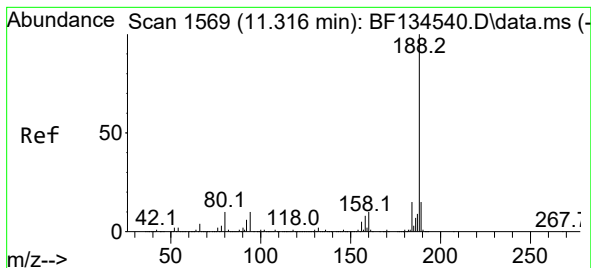
165 100

63 1.4 48.9 73.3#

89 1.6 61.7 92.5#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)

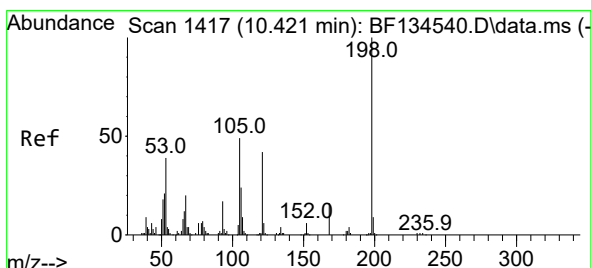
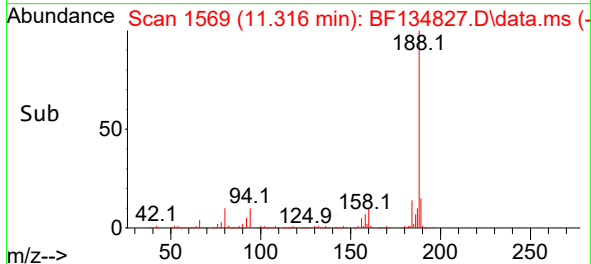
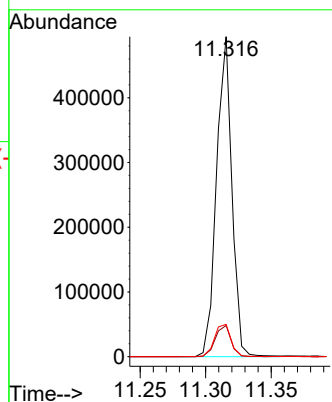
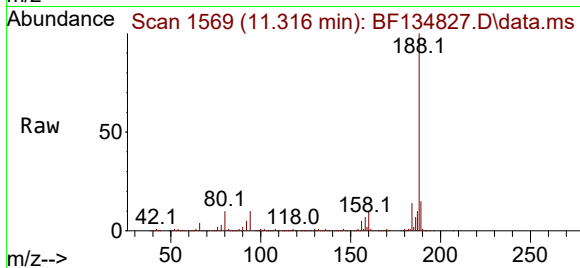
Tgt Ion:188 Resp: 402086

Ion Ratio Lower Upper

188 100

94 9.7 5.1 7.7#

80 10.1 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.894 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.176 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

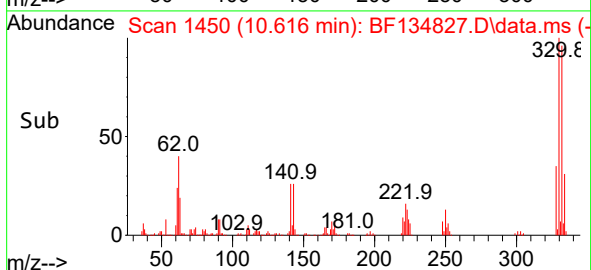
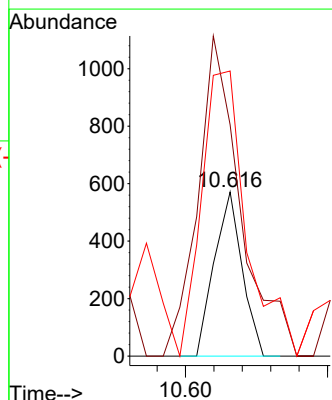
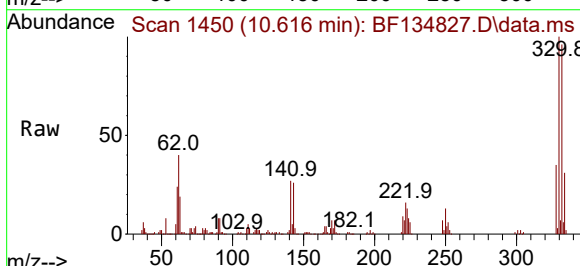
Tgt Ion:198 Resp: 388

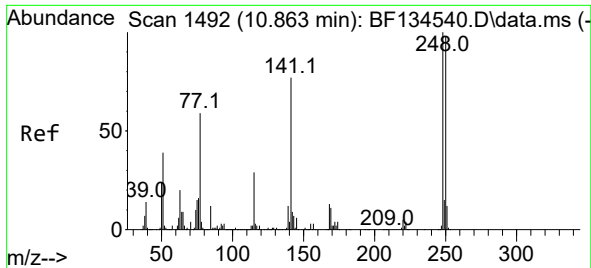
Ion Ratio Lower Upper

198 100

51 141.0 38.6 78.6#

105 173.7 27.9 67.9#

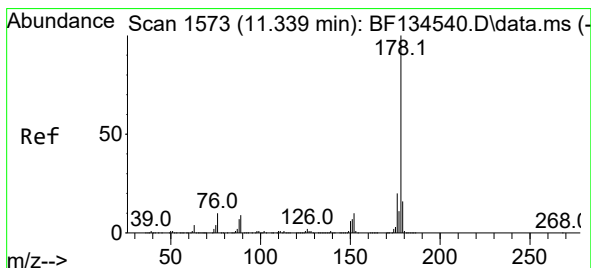
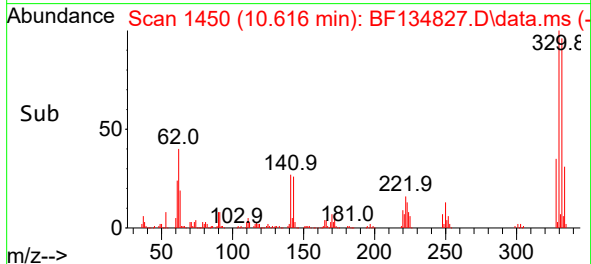
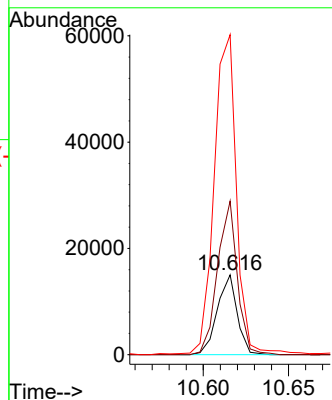
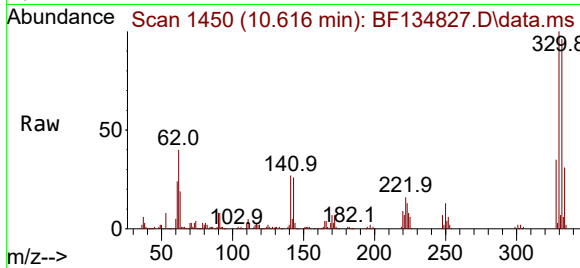




#67
4-Bromophenyl-phenylether
Concen: 2.771 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

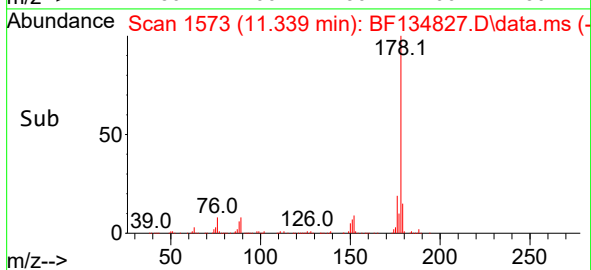
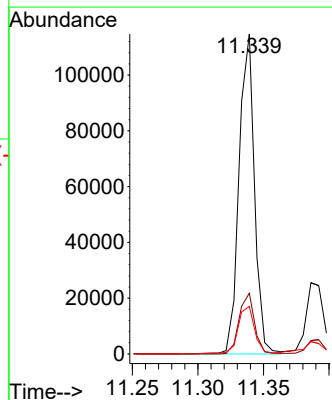
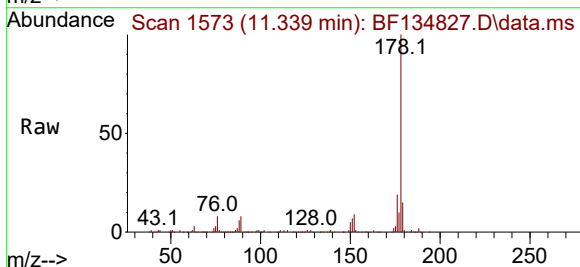
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)

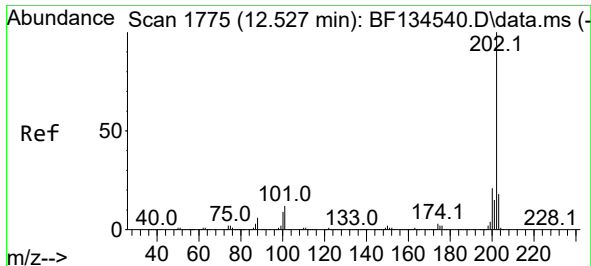
Tgt Ion:248 Resp: 12196
Ion Ratio Lower Upper
248 100
250 192.5 79.6 119.4#
141 401.0 59.6 89.4#



#71
Phenanthrene
Concen: 4.414 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

Tgt Ion:178 Resp: 94276
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 14.8 12.7 19.1

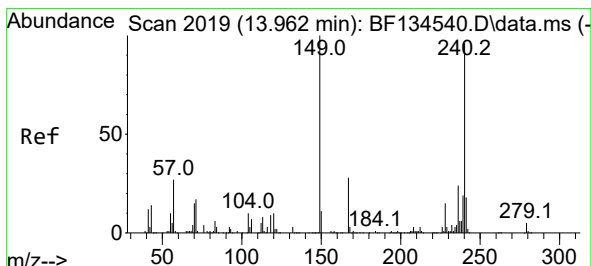
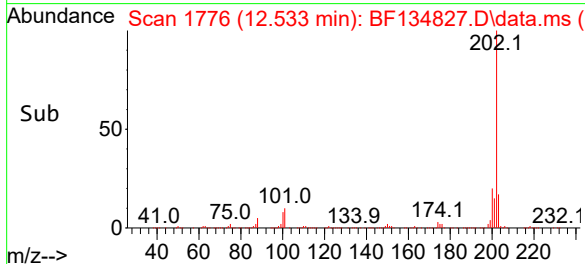
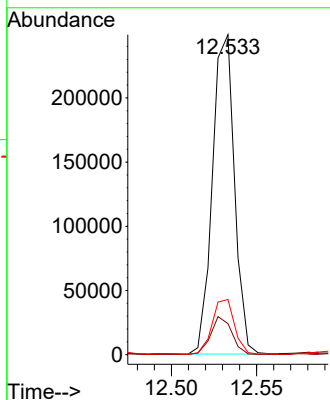
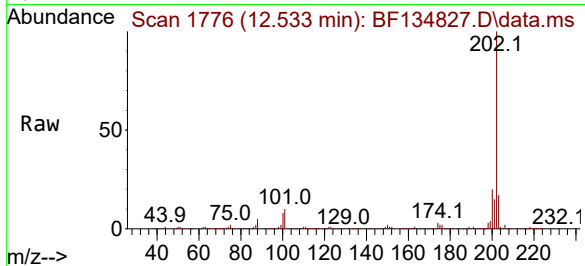




#75
Fluoranthene
Concen: 9.936 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

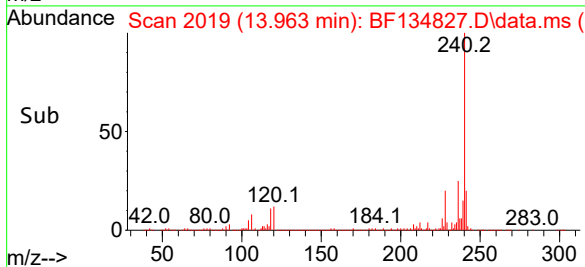
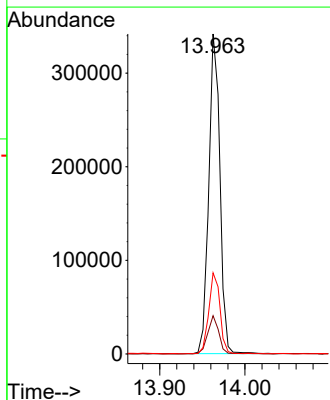
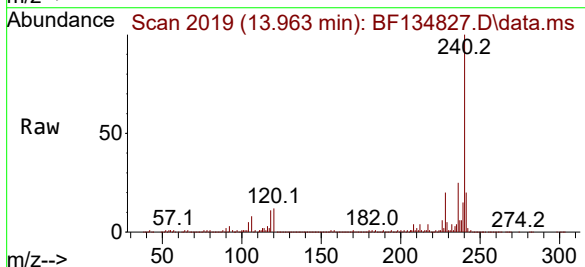
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)

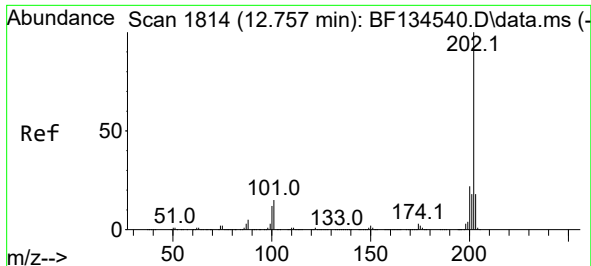
Tgt Ion:202 Resp: 224163
Ion Ratio Lower Upper
202 100
101 9.7 0.0 28.5
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

Tgt Ion:240 Resp: 309770
Ion Ratio Lower Upper
240 100
120 12.0 6.6 10.0#
236 25.4 20.2 30.2

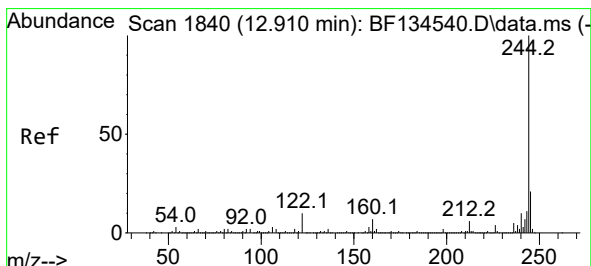
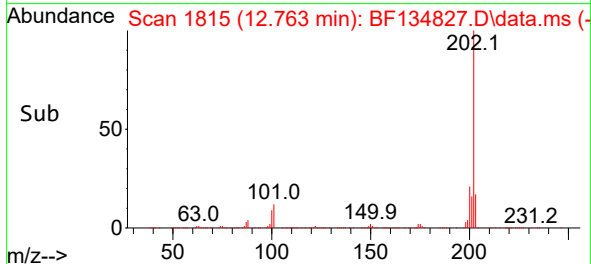
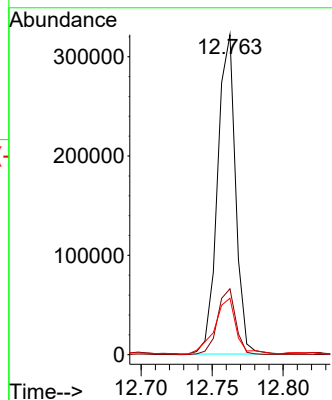
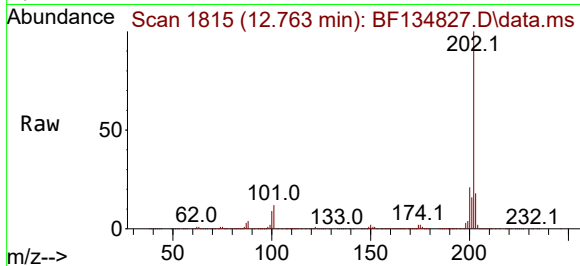




#78
Pyrene
Concen: 10.593 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

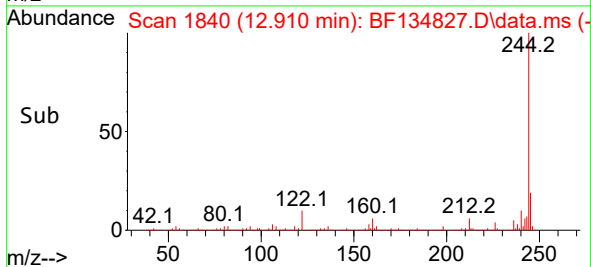
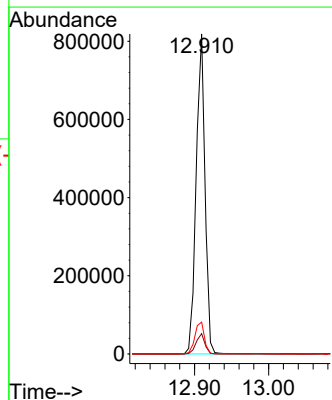
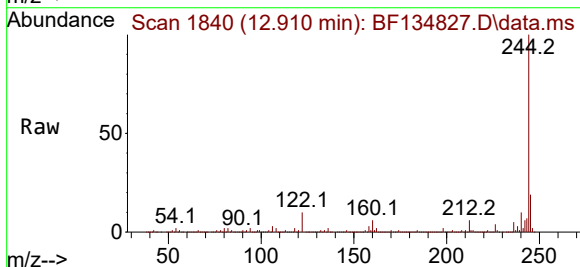
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)

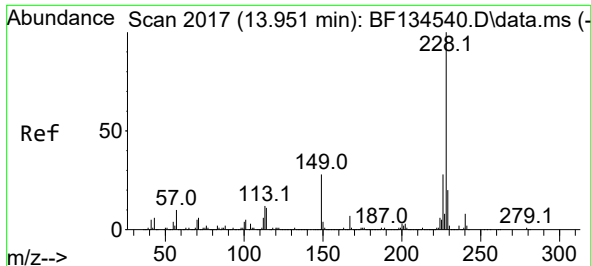
Tgt Ion:202 Resp: 283956
Ion Ratio Lower Upper
202 100
200 20.6 15.8 23.8
203 17.7 13.5 20.3



#79
Terphenyl-d14
Concen: 38.555 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

Tgt Ion:244 Resp: 677489
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.0 8.0 12.0

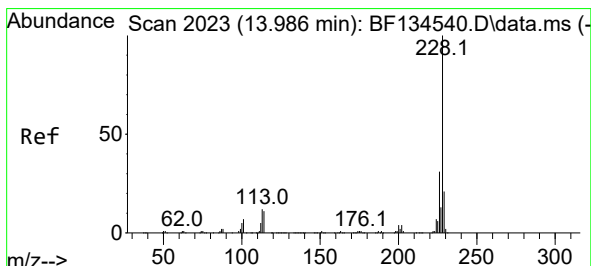
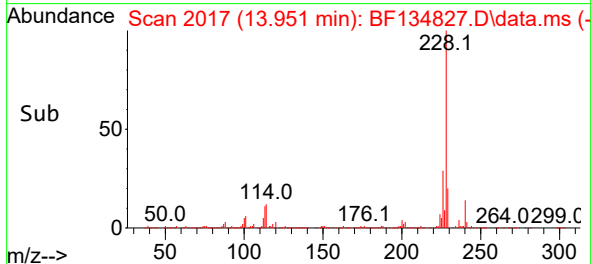
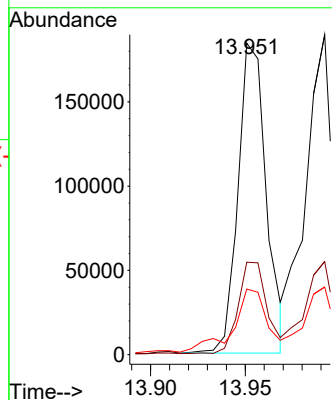
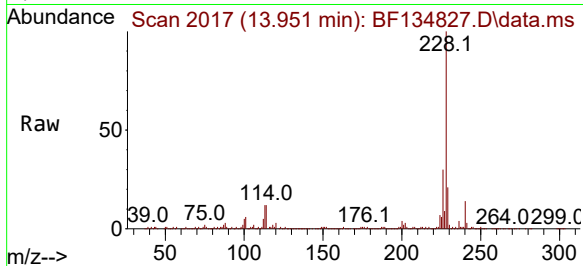




#81
Benzo(a)anthracene
Concen: 8.612 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

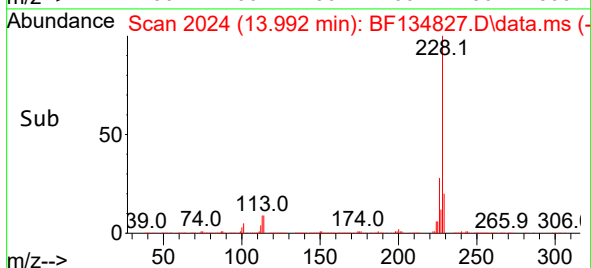
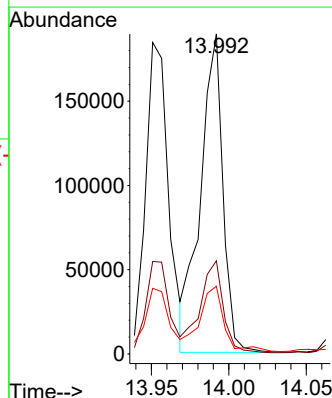
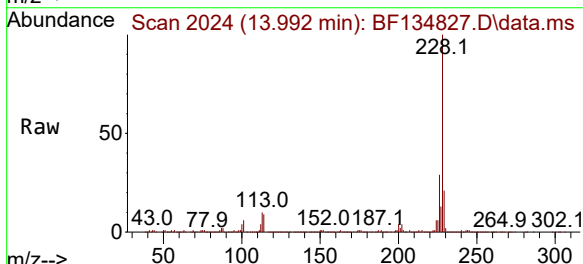
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)

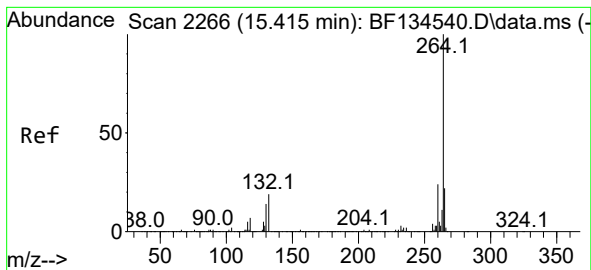
Tgt Ion:228 Resp: 190767
Ion Ratio Lower Upper
228 100
226 29.7 22.3 33.5
229 21.1 15.8 23.6



#83
Chrysene
Concen: 8.818 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

Tgt Ion:228 Resp: 190292
Ion Ratio Lower Upper
228 100
226 29.1 24.5 36.7
229 21.1 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: BF134827.D

Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)

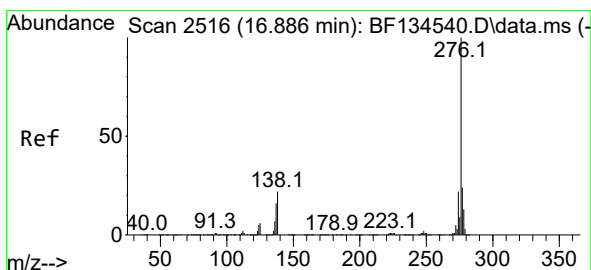
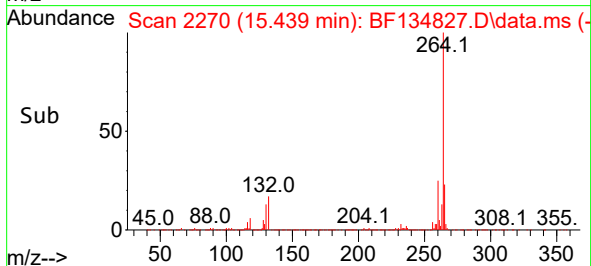
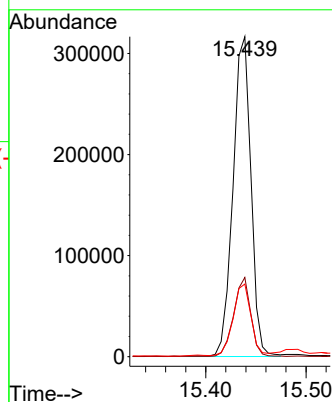
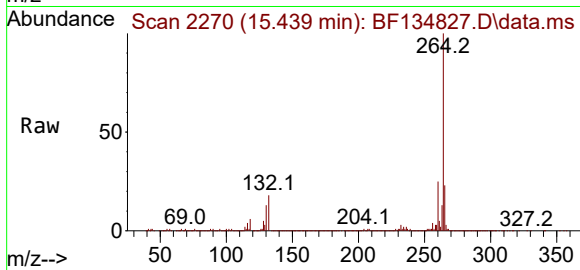
Tgt Ion:264 Resp: 393116

Ion Ratio Lower Upper

264 100

260 24.7 18.4 27.6

265 22.7 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.425 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

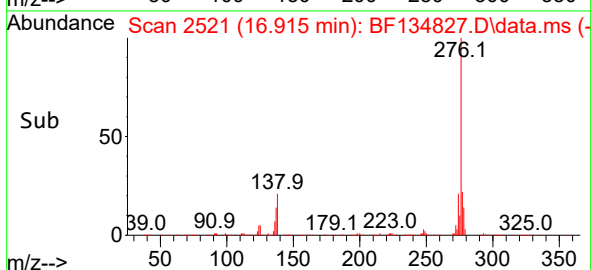
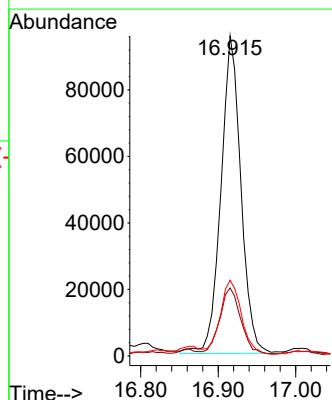
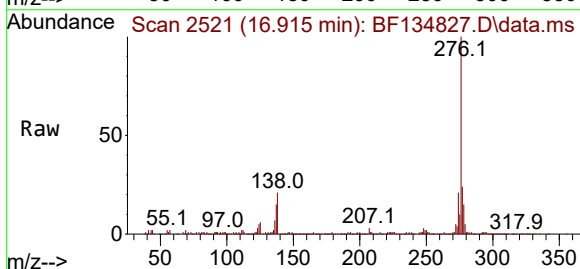
Tgt Ion:276 Resp: 171678

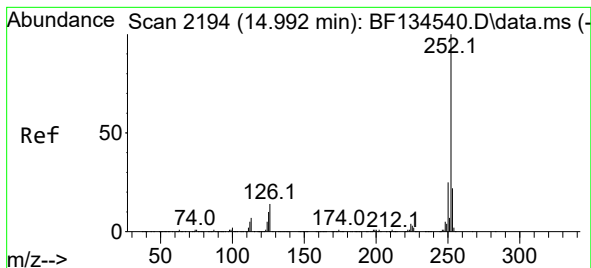
Ion Ratio Lower Upper

276 100

138 21.9 14.2 21.4#

277 24.5 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 15.524 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)

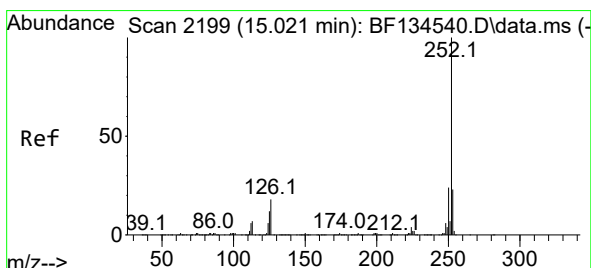
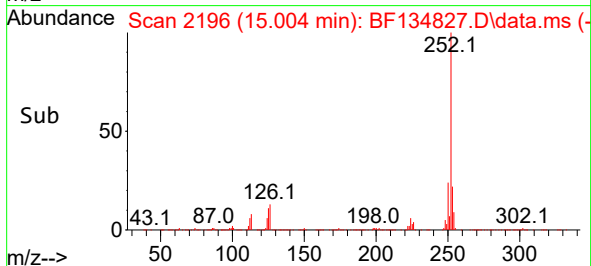
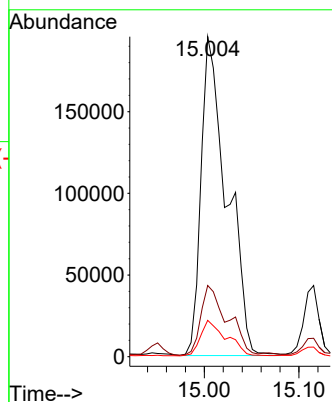
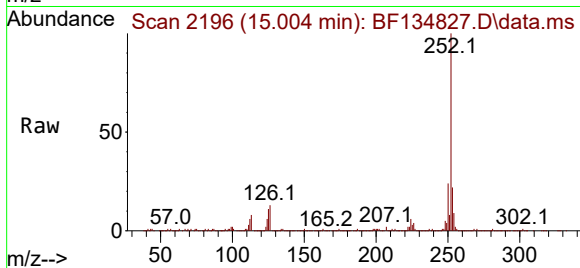
Tgt Ion:252 Resp: 372197

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 11.3 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 15.584 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

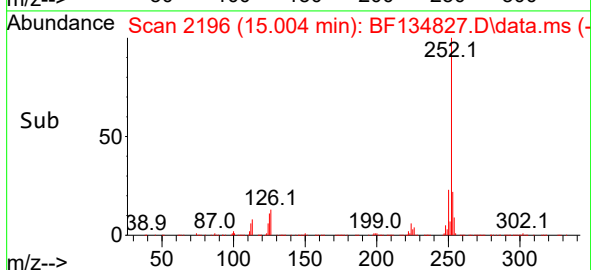
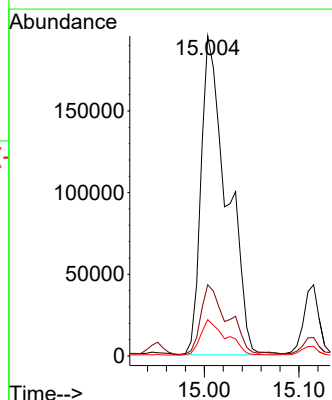
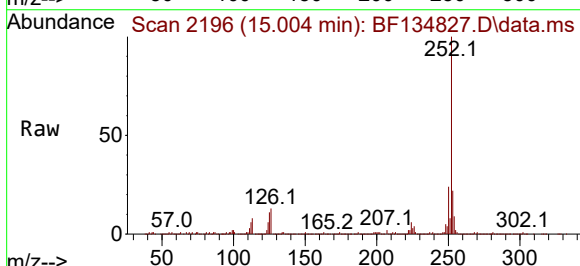
Tgt Ion:252 Resp: 372197

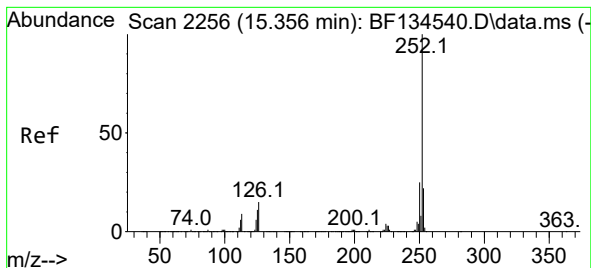
Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

125 11.3 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 10.864 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)

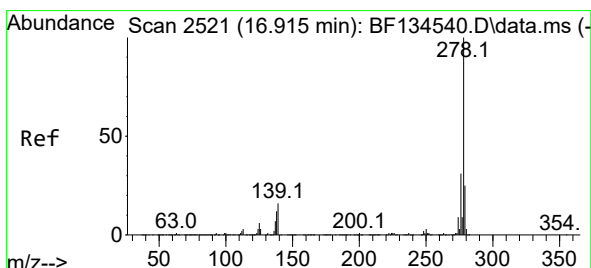
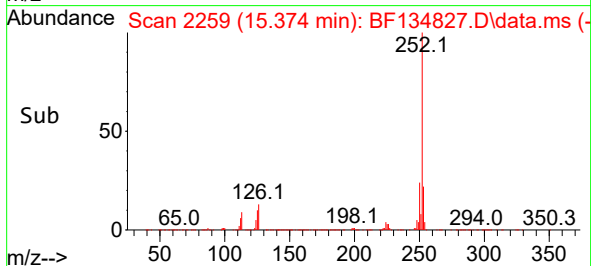
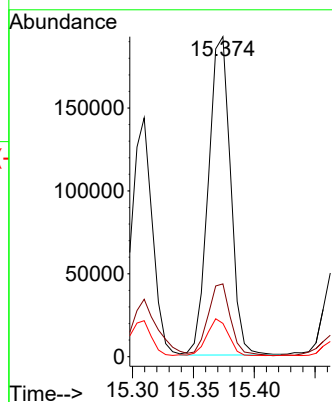
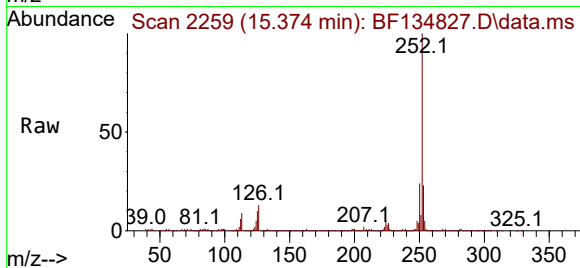
Tgt Ion:252 Resp: 242866

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

125 10.4 6.2 9.4#



#91

Dibenzo(a,h)anthracene

Concen: 2.215 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.024 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

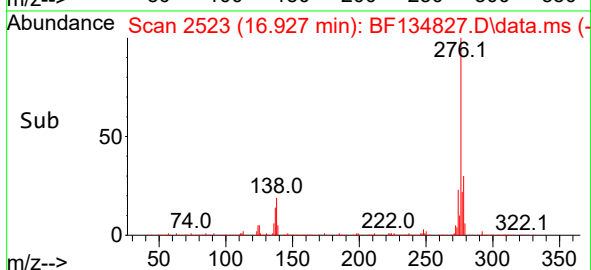
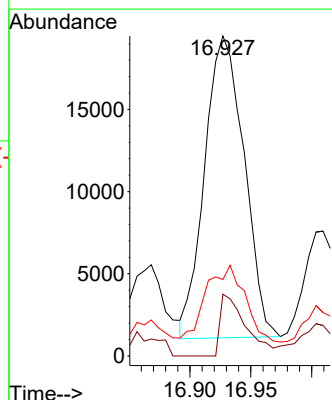
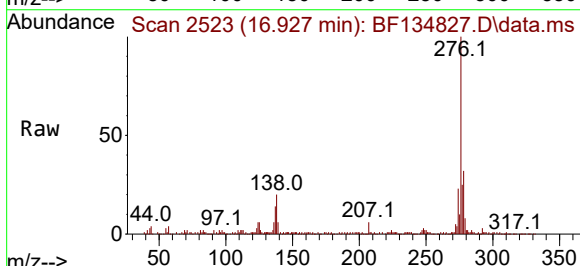
Tgt Ion:278 Resp: 41389

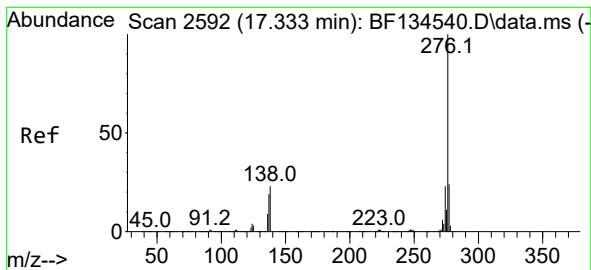
Ion Ratio Lower Upper

278 100

139 19.3 10.0 15.0#

279 23.9 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 9.035 ng

RT: 17.368 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF134827.D

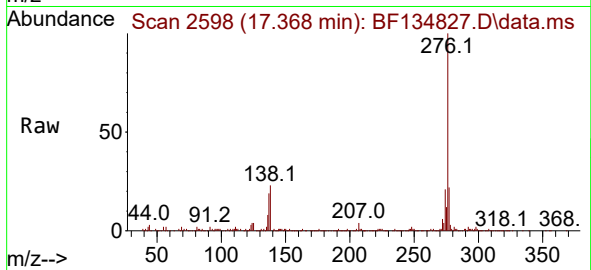
Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)



Tgt Ion:276 Resp: 172208

Ion Ratio Lower Upper

276 100

277 22.5 19.0 28.6

138 22.6 12.2 18.2#

