

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
 Data File : BF134825.D
 Acq On : 17 Aug 2023 19:29
 Operator : CG\JU
 Sample : 04045-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB21200

Quant Time: Aug 18 01:07:40 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)

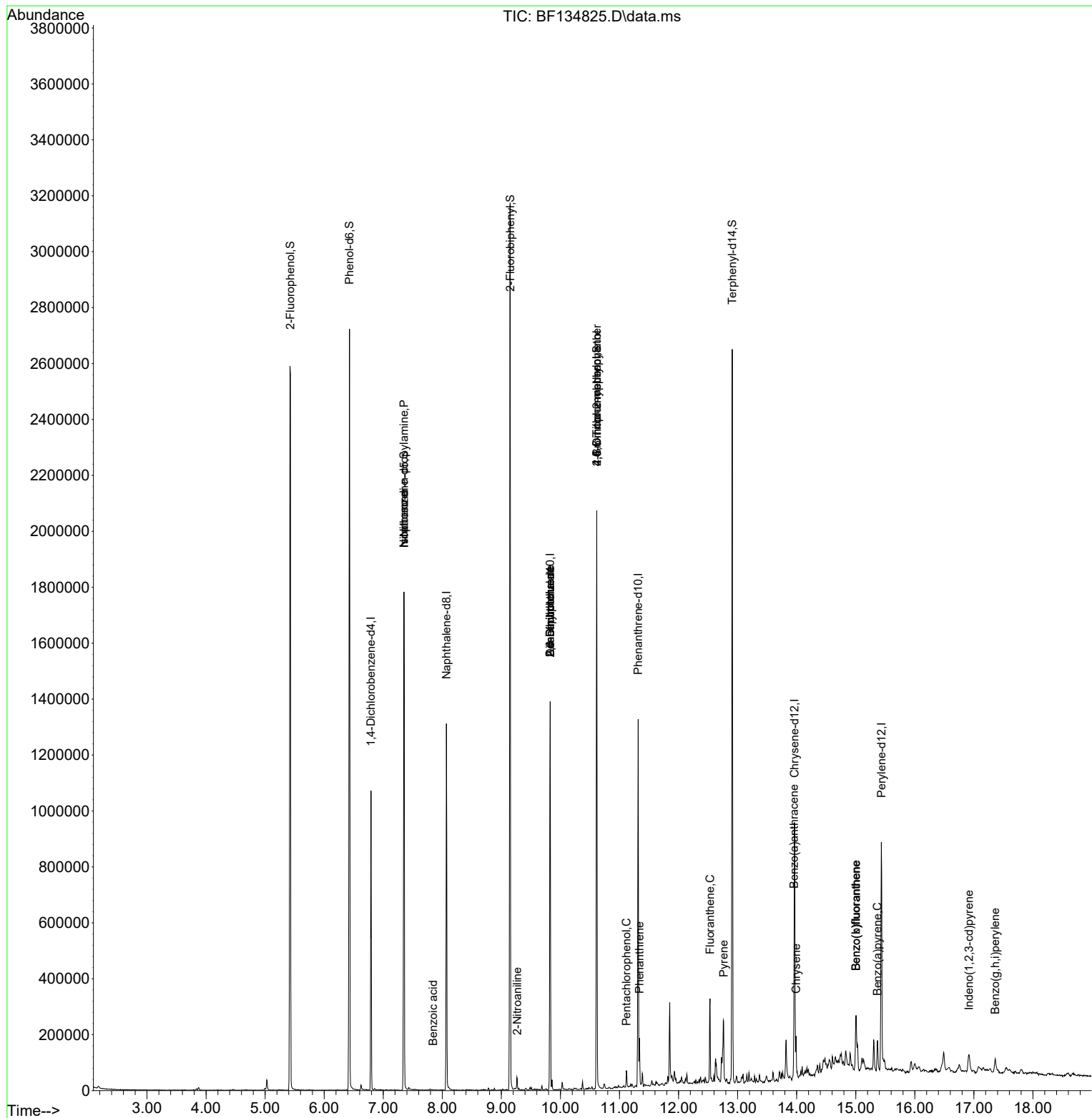
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	138133	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	550960	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	263217	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	435254	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	291054	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	371800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	752484	82.808	ng	0.00
7) Phenol-d6	6.428	99	950882	81.859	ng	-0.01
23) Nitrobenzene-d5	7.351	82	589602	66.876	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	240155	89.502	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1050779	66.376	ng	-0.01
79) Terphenyl-d14	12.910	244	864094	52.337	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.345	77	56	Below Cal	#	6
19) n-Nitroso-di-n-propyla...	7.351	70	79261	11.396	ng	# 71
25) Isophorone	7.351	82	584986	30.421	ng	# 65
32) Benzoic acid	7.845	122	254	7.905	ng	# 22
48) 2-Nitroaniline	9.269	65	569	3.277	ng	# 8
50) Dimethylphthalate	9.827	163	55676	3.103	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	34466	11.385	ng	# 17
57) 2,4-Dinitrotoluene	9.827	165	34466	10.153	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.616	198	557	8.958	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	15386	3.229	ng	# 1
70) Pentachlorophenol	11.116	266	6344	2.036	ng	93
71) Phenanthrene	11.339	178	58962	2.550	ng	98
75) Fluoranthene	12.533	202	119186	4.881	ng	98
78) Pyrene	12.762	202	96982	3.851	ng	98
81) Benzo(a)anthracene	13.957	228	49789	2.392	ng	98
83) Chrysene	13.992	228	62113	3.063	ng	96
87) Indeno(1,2,3-cd)pyrene	16.915	276	44154	2.019	ng	# 93
88) Benzo(b)fluoranthene	15.004	252	137002	6.042	ng	# 96
89) Benzo(k)fluoranthene	15.004	252	137002	6.065	ng	# 95
90) Benzo(a)pyrene	15.368	252	53554	2.533	ng	# 95
92) Benzo(g,h,i)perylene	17.362	276	40308	2.236	ng	# 93

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

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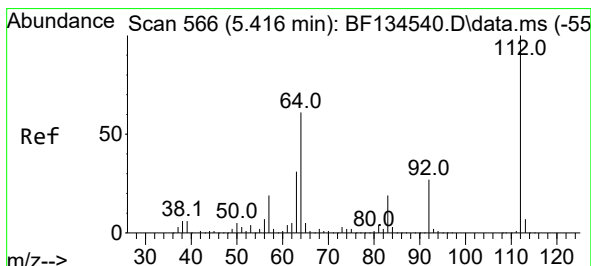
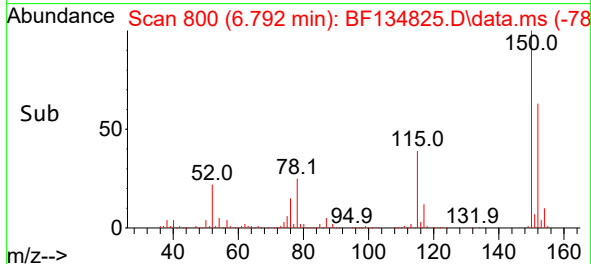
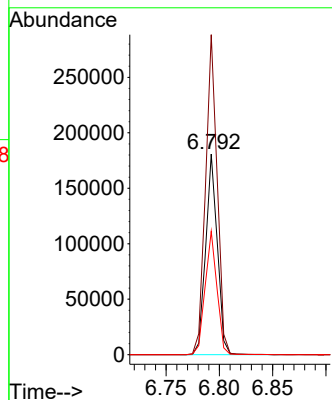
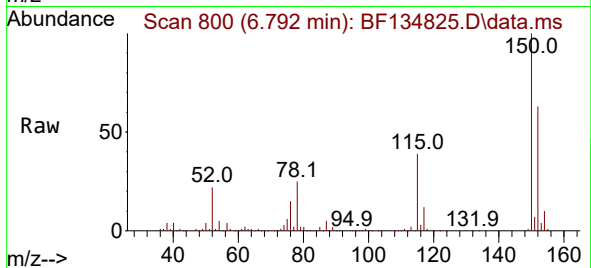




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

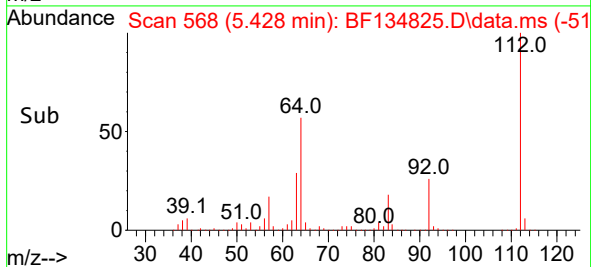
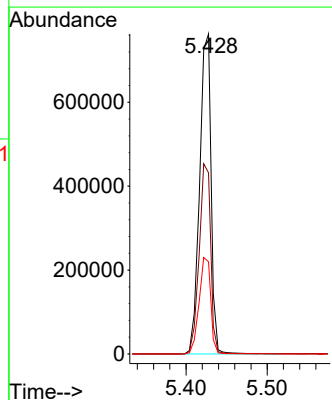
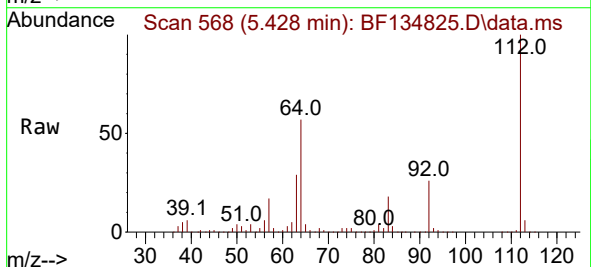
Instrument :
BNA_F
ClientSampleId :
RB21200

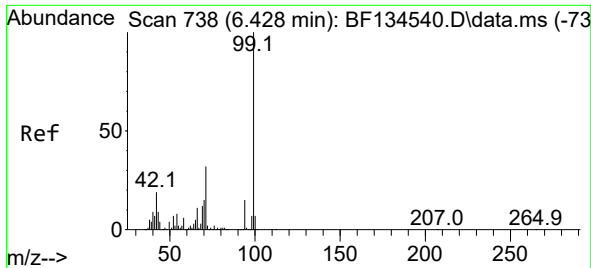
Tgt Ion:152 Resp: 138133
Ion Ratio Lower Upper
152 100
150 159.5 128.3 192.5
115 61.5 52.4 78.6



#5
2-Fluorophenol
Concen: 82.808 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:112 Resp: 752484
Ion Ratio Lower Upper
112 100
64 56.6 44.9 67.3
63 28.8 25.4 38.0

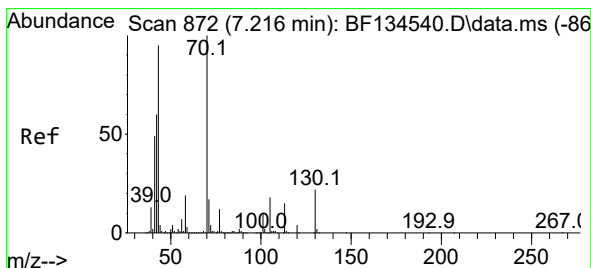
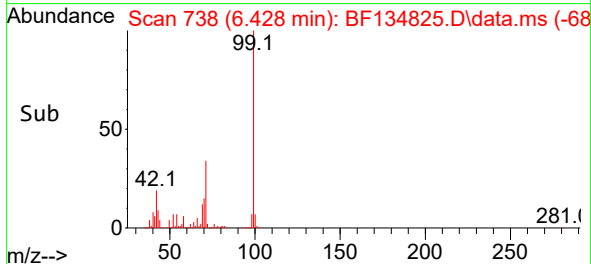
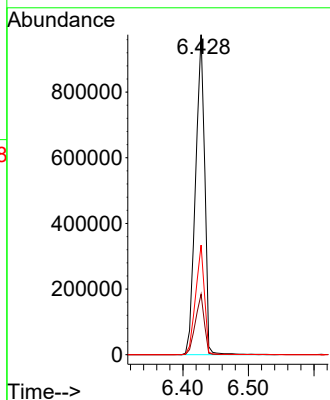
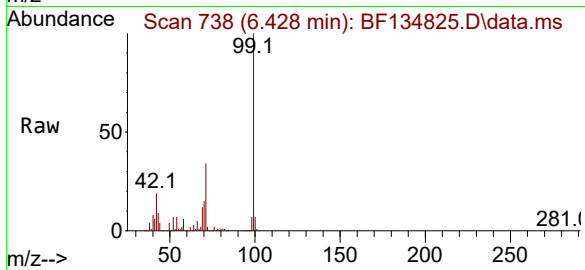




#7
Phenol-d6
Concen: 81.859 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

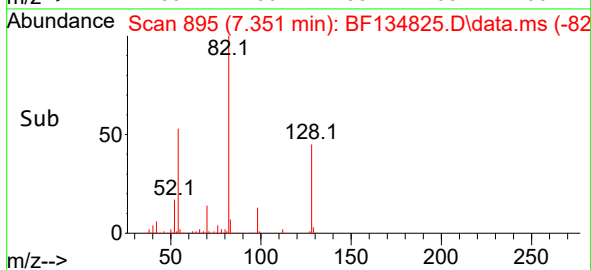
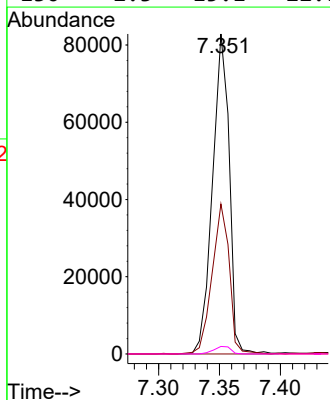
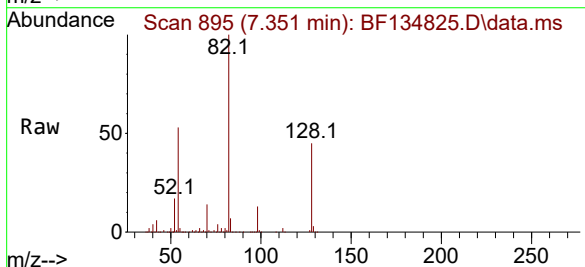
Instrument :
BNA_F
ClientSampleId :
RB21200

Tgt Ion: 99 Resp: 950882
Ion Ratio Lower Upper
99 100
42 18.9 18.7 28.1
71 34.3 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 11.396 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

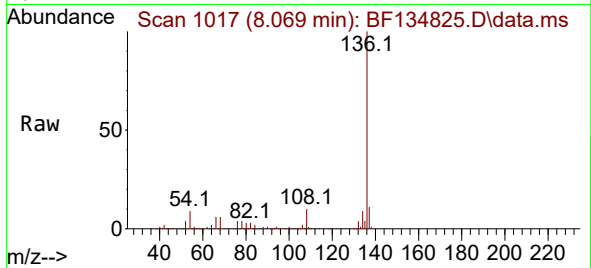
Tgt Ion: 70 Resp: 79261
Ion Ratio Lower Upper
70 100
42 46.9 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#



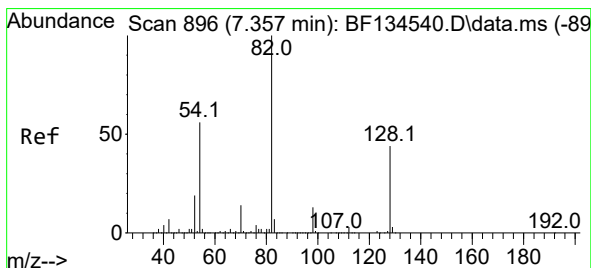
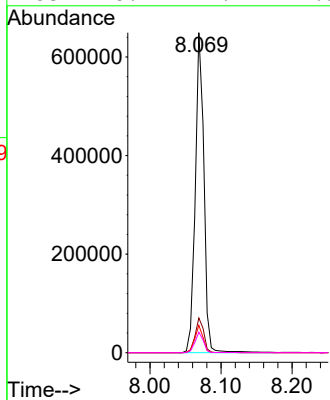
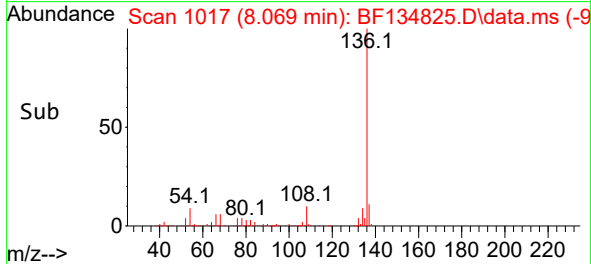


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Instrument :
BNA_F
ClientSampleId :
RB21200

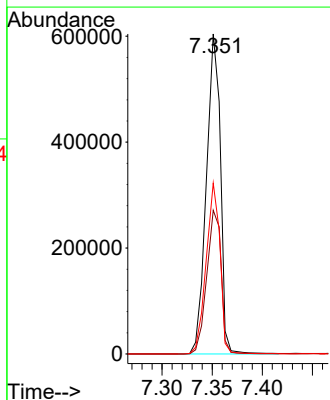
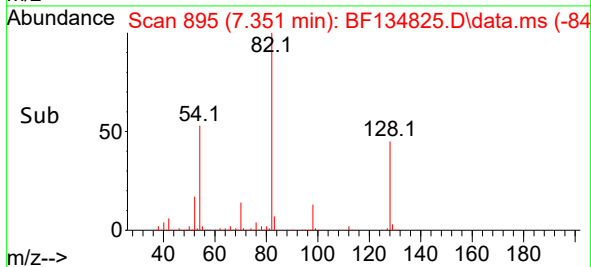
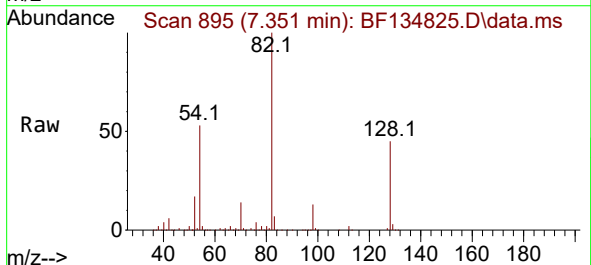


Tgt Ion:136 Resp: 550960
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.6 5.2 7.8#
68 6.4 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 66.876 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion: 82 Resp: 589602
Ion Ratio Lower Upper
82 100
128 44.9 34.3 51.5
54 53.4 43.8 65.6

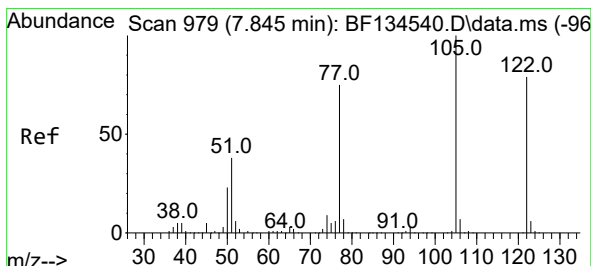
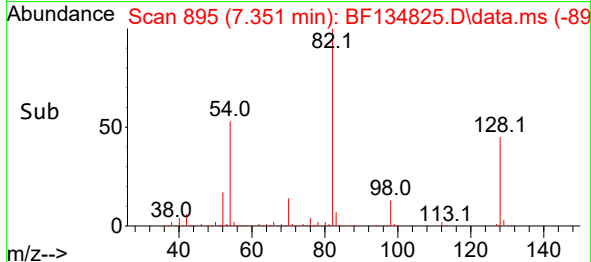
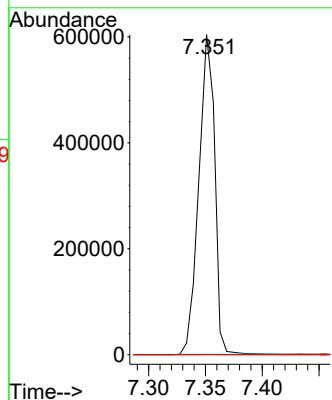
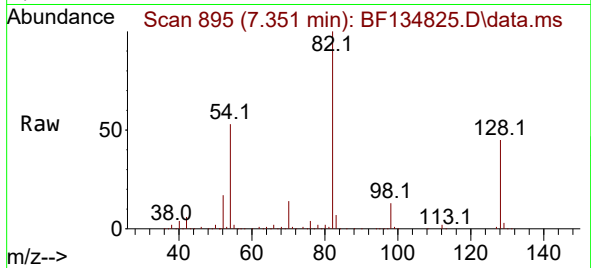




#25
Isophorone
Concen: 30.421 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.277 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

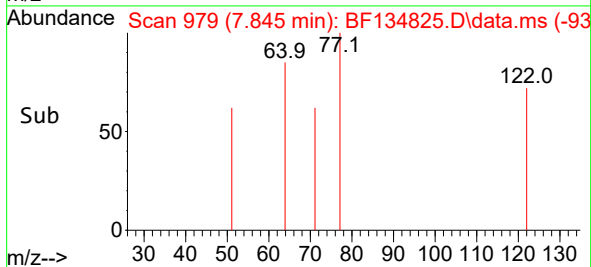
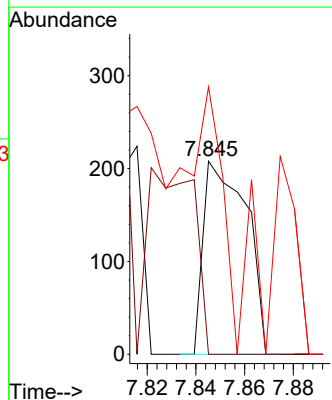
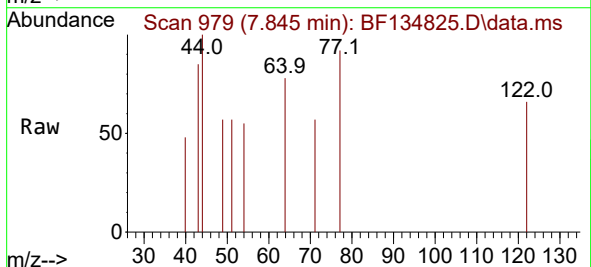
Instrument :
BNA_F
ClientSampleId :
RB21200

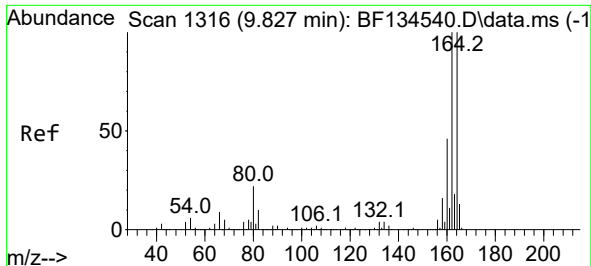
Tgt Ion: 82 Resp: 584986
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.905 ng
RT: 7.845 min Scan# 979
Delta R.T. -0.018 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion: 122 Resp: 254
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 138.5 71.4 111.4#

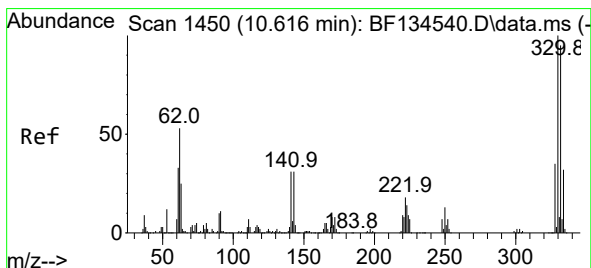
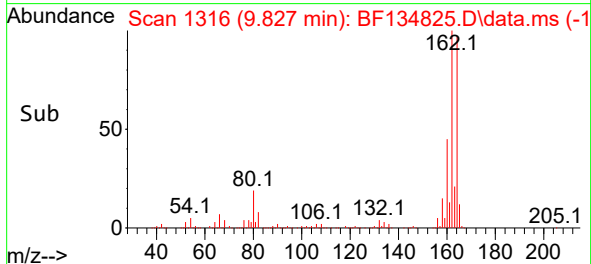
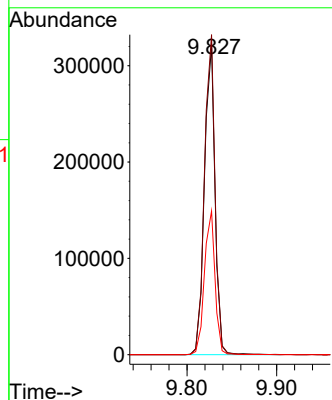
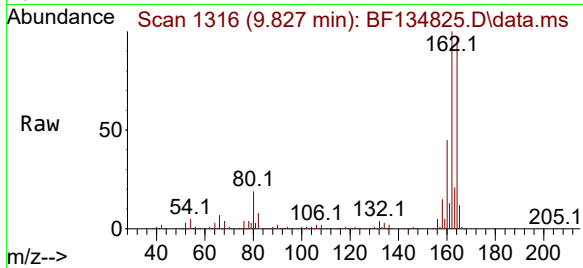




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

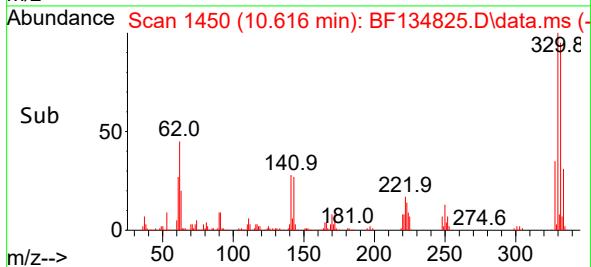
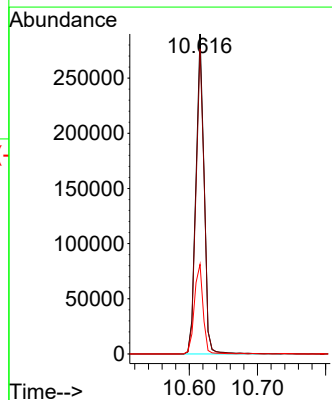
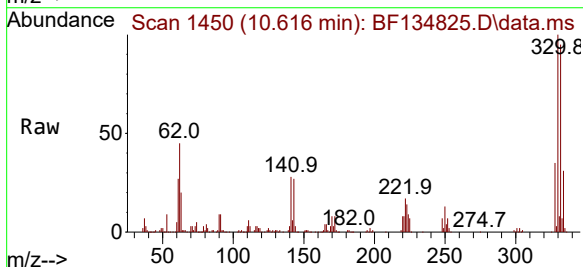
Instrument :
BNA_F
ClientSampleId :
RB21200

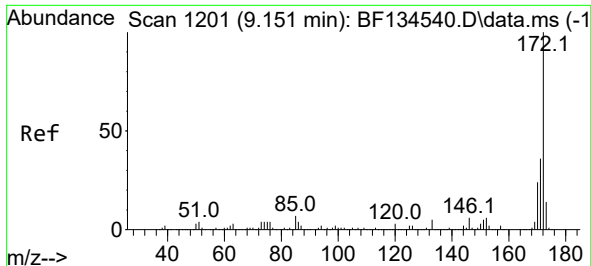
Tgt Ion:164 Resp: 263217
Ion Ratio Lower Upper
164 100
162 103.4 82.6 123.8
160 46.4 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 89.502 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:330 Resp: 240155
Ion Ratio Lower Upper
330 100
332 96.5 78.8 118.2
141 29.9 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 66.376 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

Instrument :

BNA_F

ClientSampleId :

RB21200

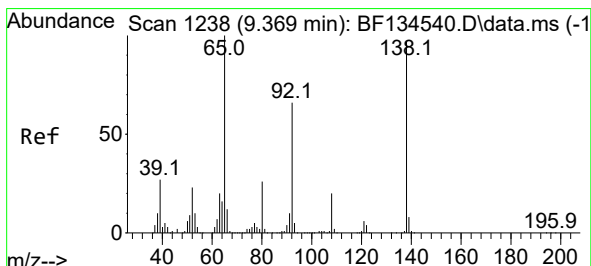
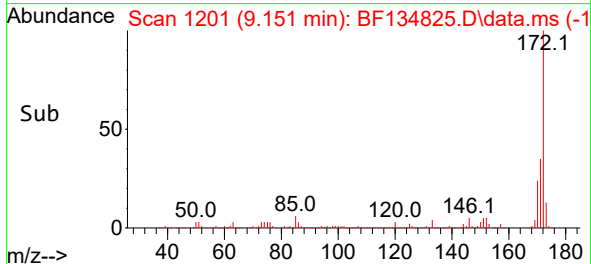
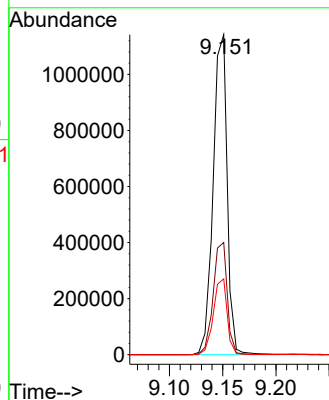
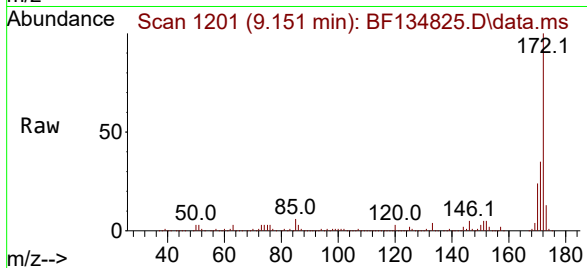
Tgt Ion:172 Resp: 1050779

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.7 18.7 28.1



#48

2-Nitroaniline

Concen: 3.277 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.112 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

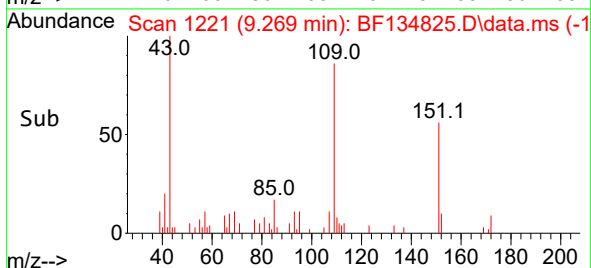
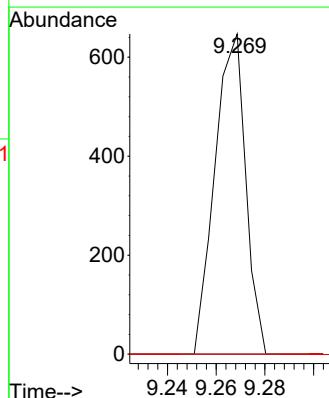
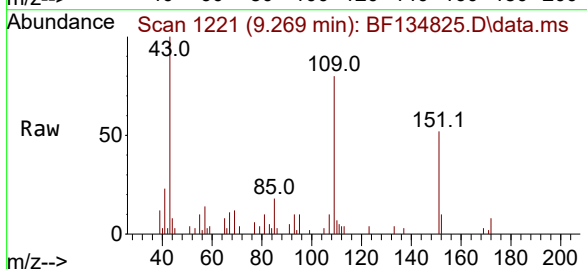
Tgt Ion: 65 Resp: 569

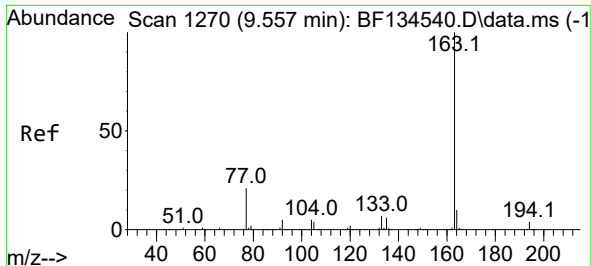
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

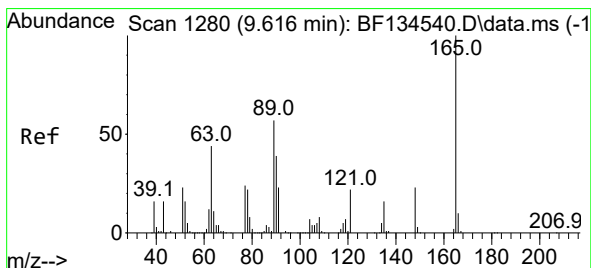
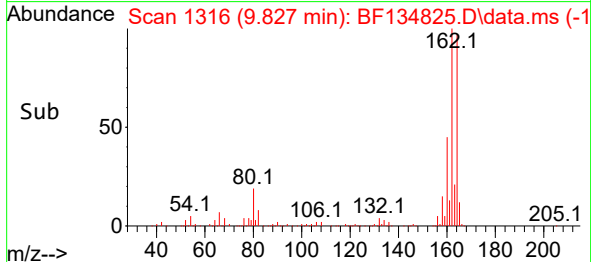
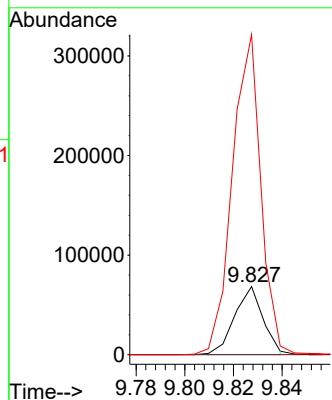
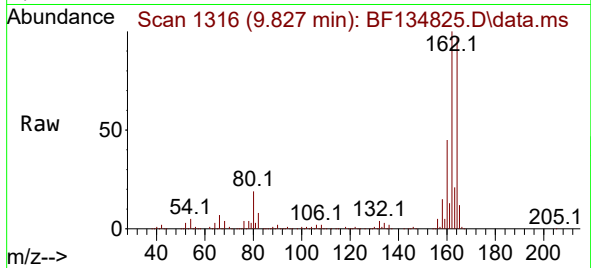




#50
Dimethylphthalate
Concen: 3.103 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

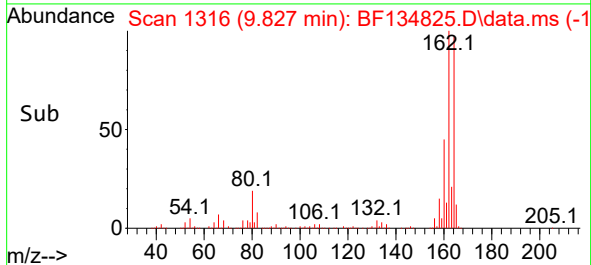
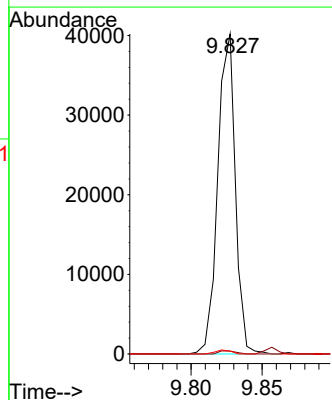
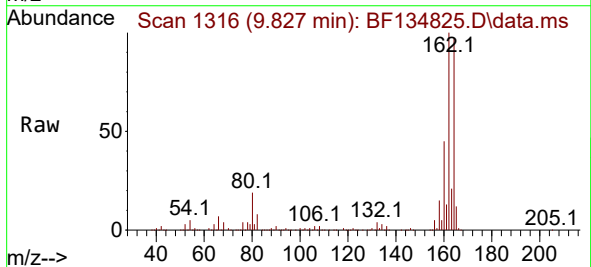
Instrument :
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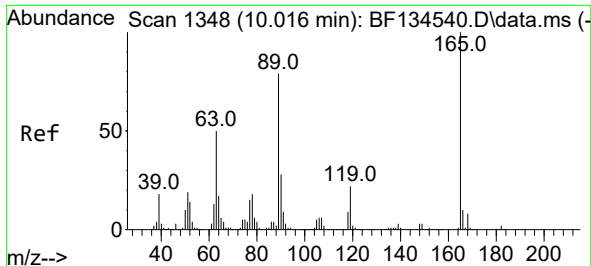
Tgt Ion:163 Resp: 55676
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 469.6 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.385 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

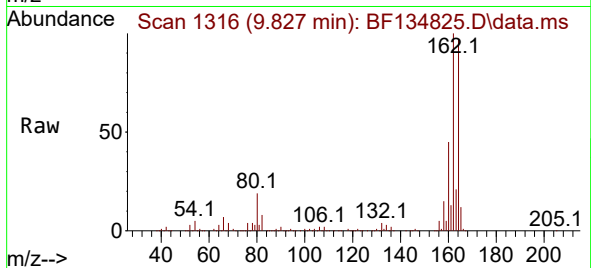
Tgt Ion:165 Resp: 34466
Ion Ratio Lower Upper
165 100
63 0.9 57.8 86.6#
89 0.9 51.8 77.8#



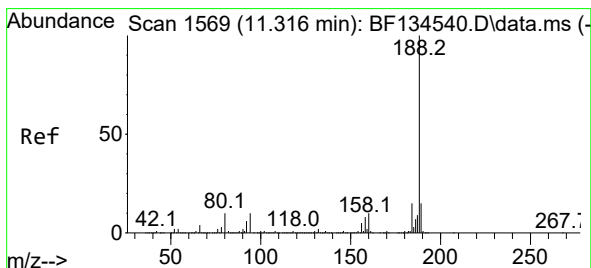
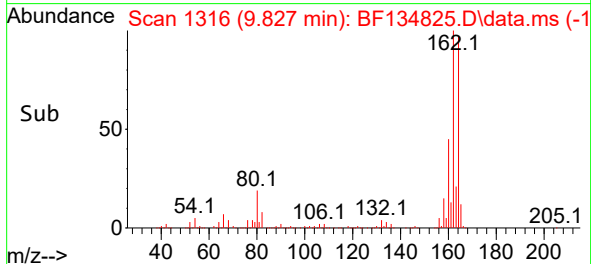
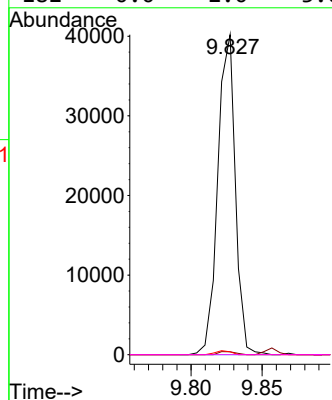


#57
2,4-Dinitrotoluene
Concen: 10.153 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Instrument :
BNA_F
ClientSampleId :
RB21200

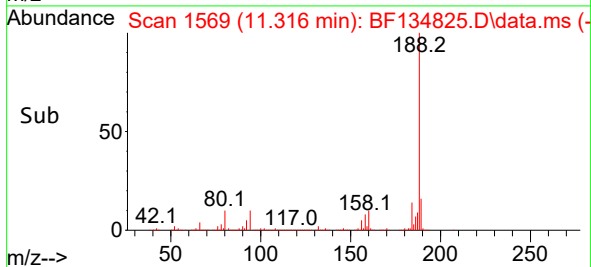
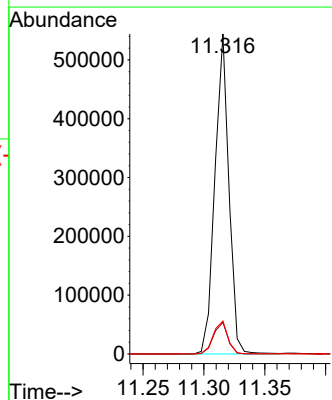
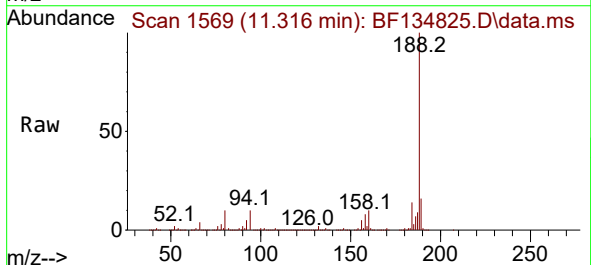


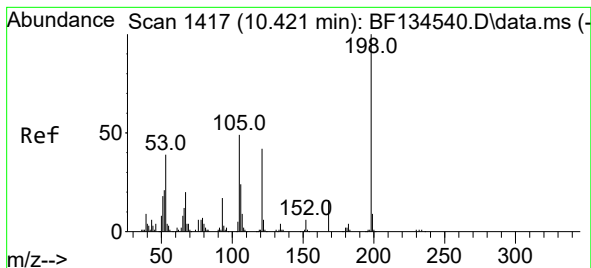
Tgt Ion:165 Resp: 34466
Ion Ratio Lower Upper
165 100
63 0.9 48.9 73.3#
89 0.9 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:188 Resp: 435254
Ion Ratio Lower Upper
188 100
94 9.9 5.1 7.7#
80 10.3 6.6 9.8#

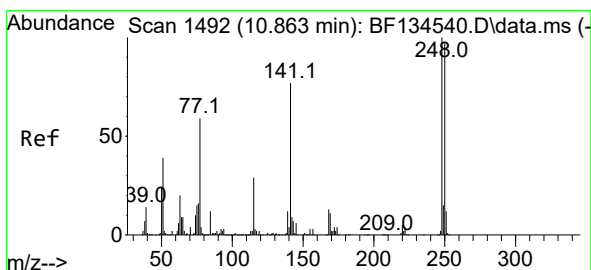
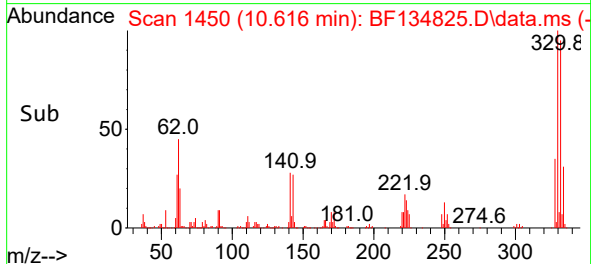
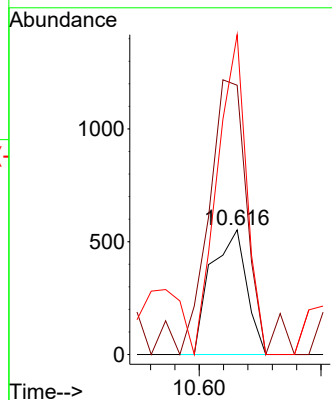
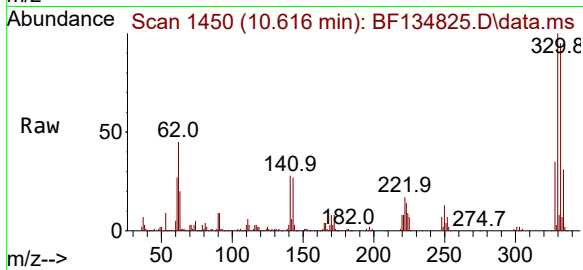




#65
4,6-Dinitro-2-methylphenol
Concen: 8.958 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.176 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

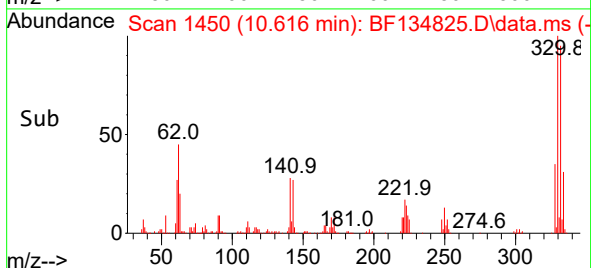
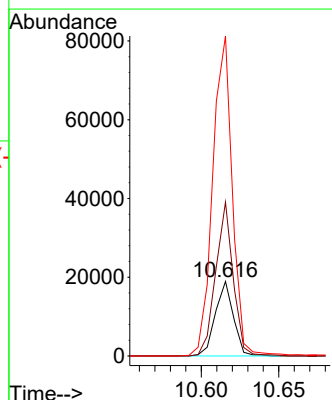
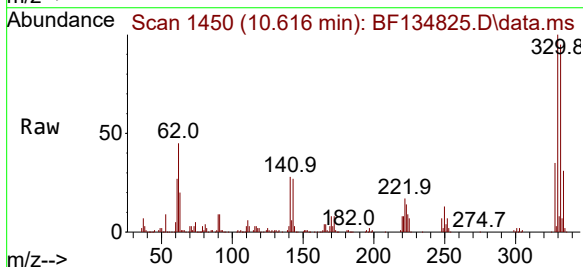
Instrument :
BNA_F
ClientSampleId :
RB21200

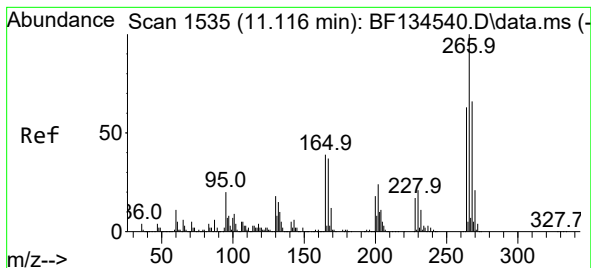
Tgt Ion:198 Resp: 557
Ion Ratio Lower Upper
198 100
51 215.9 38.6 78.6#
105 256.4 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 3.229 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:248 Resp: 15386
Ion Ratio Lower Upper
248 100
250 206.7 79.6 119.4#
141 429.6 59.6 89.4#





#70

Pentachlorophenol

Concen: 2.036 ng

RT: 11.116 min Scan# 1535

Delta R.T. -0.012 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

Instrument :

BNA_F

ClientSampleId :

RB21200

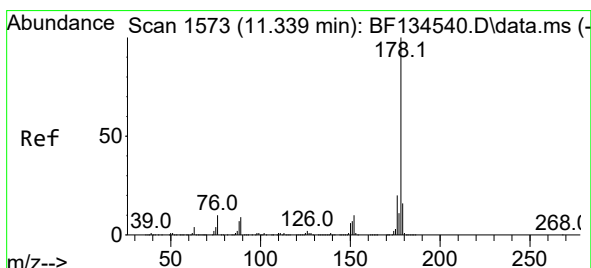
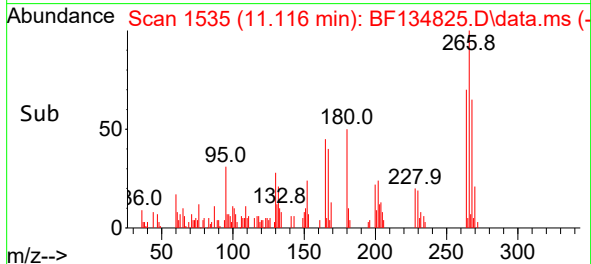
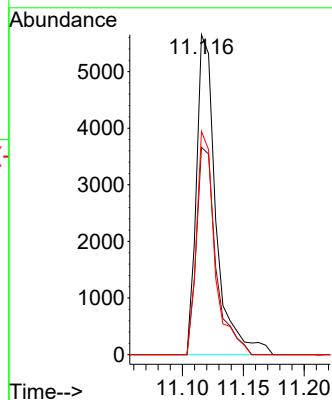
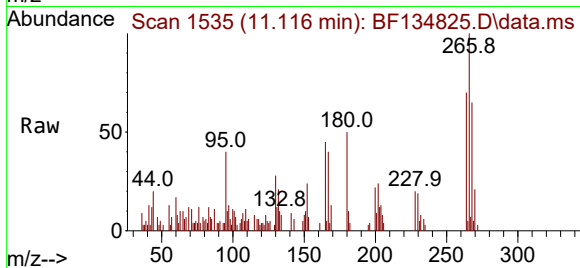
Tgt Ion:266 Resp: 6344

Ion Ratio Lower Upper

266 100

268 64.8 52.9 79.3

264 69.8 47.8 71.6



#71

Phenanthrene

Concen: 2.550 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

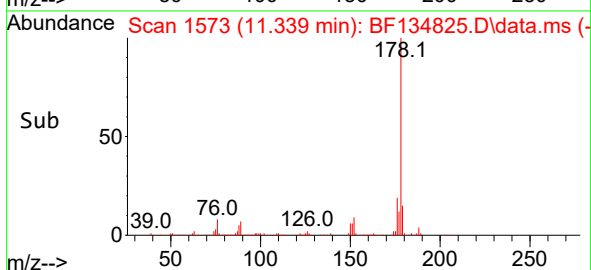
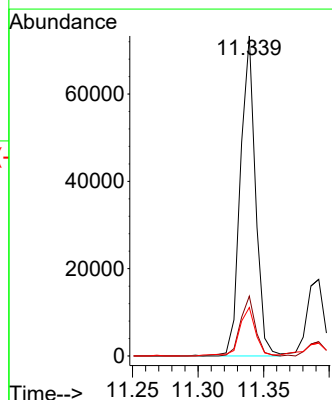
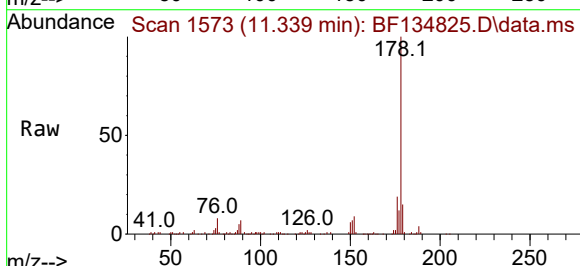
Tgt Ion:178 Resp: 58962

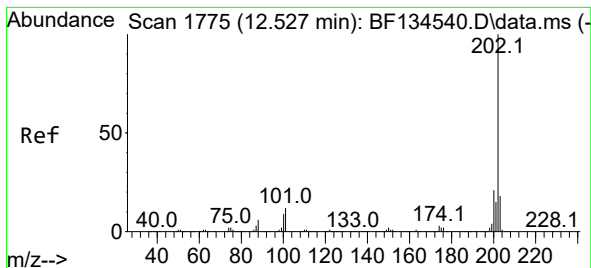
Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

179 15.2 12.7 19.1





#75

Fluoranthene

Concen: 4.881 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

Instrument :

BNA_F

ClientSampleId :

RB21200

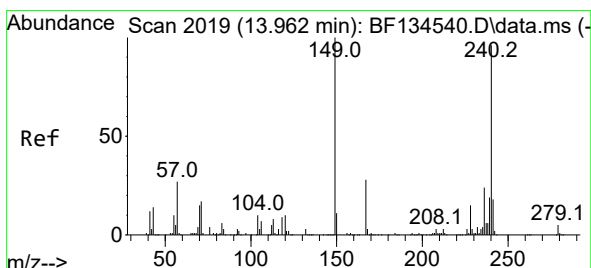
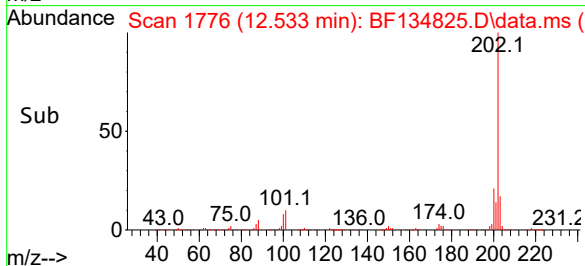
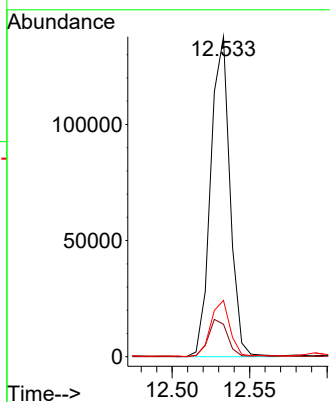
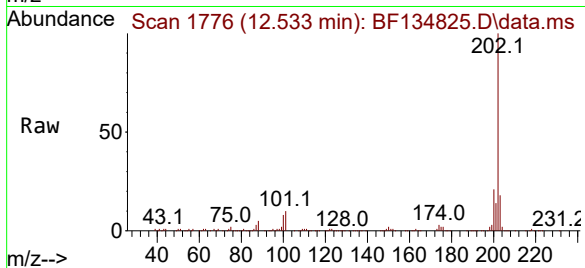
Tgt Ion:202 Resp: 119186

Ion Ratio Lower Upper

202 100

101 10.2 0.0 28.5

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

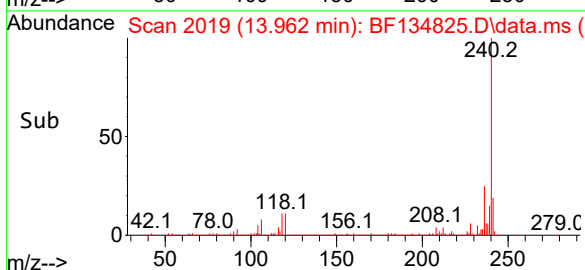
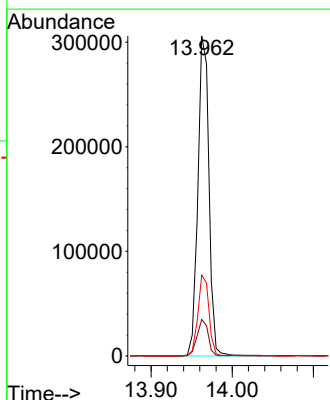
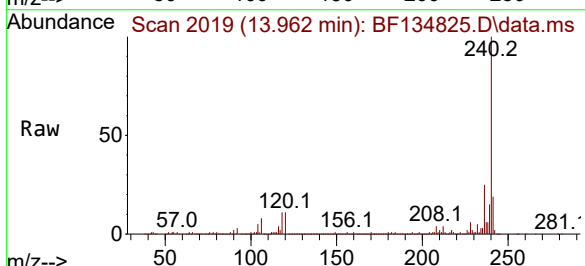
Tgt Ion:240 Resp: 291054

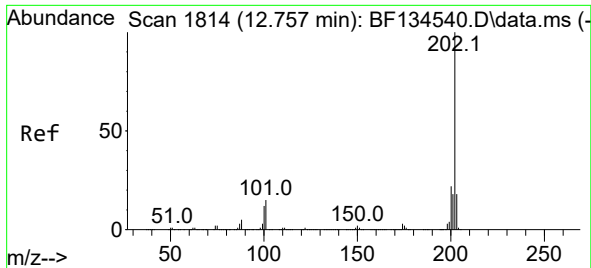
Ion Ratio Lower Upper

240 100

120 11.4 6.6 10.0#

236 25.2 20.2 30.2

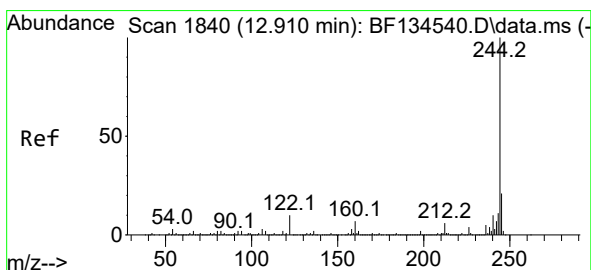
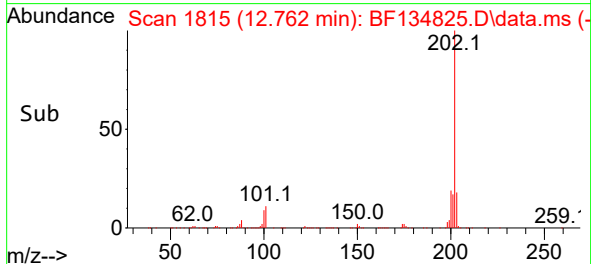
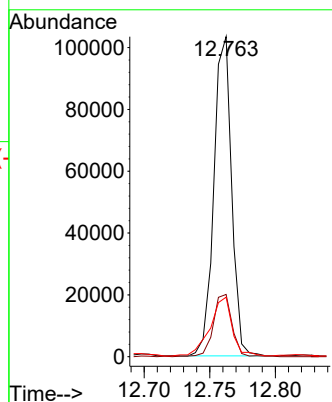
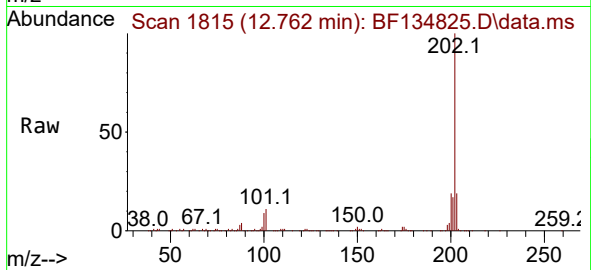




#78
Pyrene
Concen: 3.851 ng
RT: 12.762 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

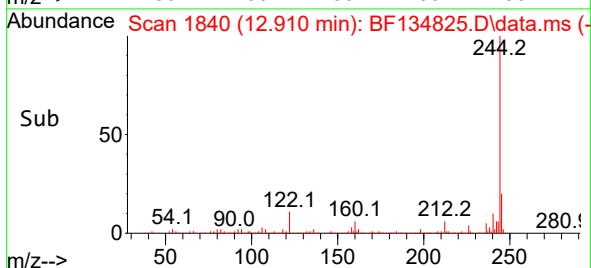
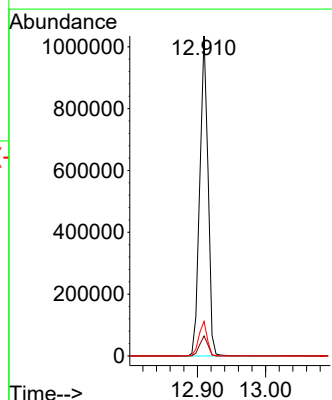
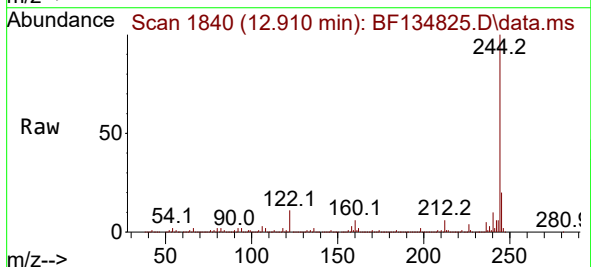
Instrument :
BNA_F
ClientSampleId :
RB21200

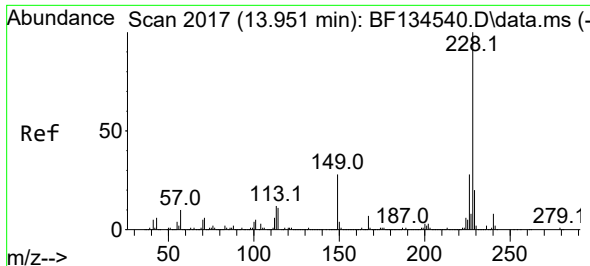
Tgt Ion:202 Resp: 96982
Ion Ratio Lower Upper
202 100
200 19.4 15.8 23.8
203 18.6 13.5 20.3



#79
Terphenyl-d14
Concen: 52.337 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:244 Resp: 864094
Ion Ratio Lower Upper
244 100
212 6.3 5.6 8.4
122 10.8 8.0 12.0

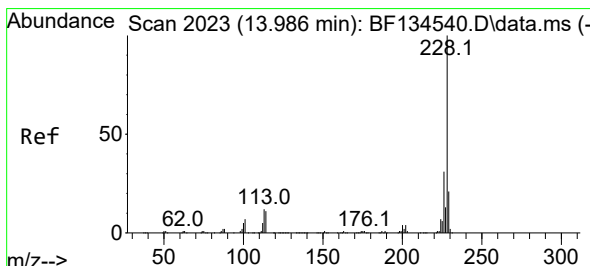
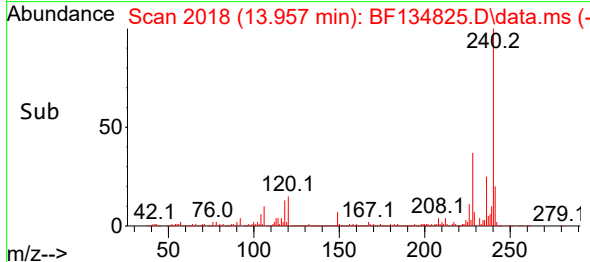
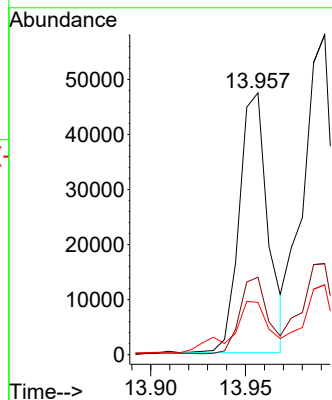
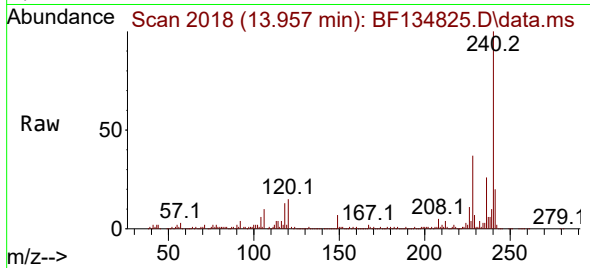




#81
Benzo(a)anthracene
Concen: 2.392 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

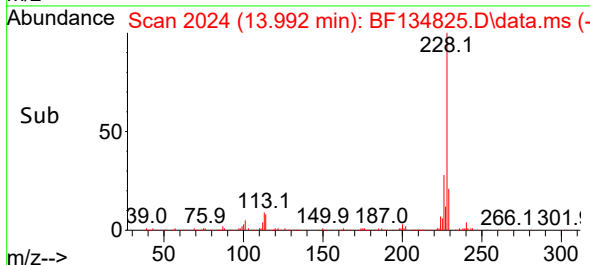
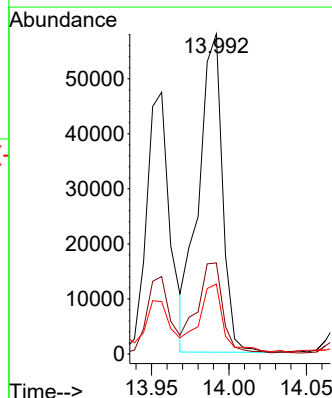
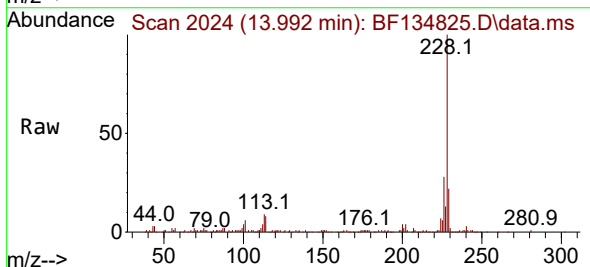
Instrument :
BNA_F
ClientSampleId :
RB21200

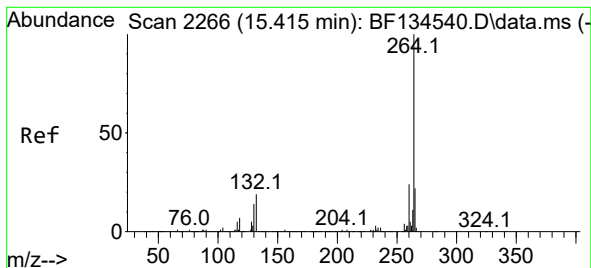
Tgt Ion:228 Resp: 49789
Ion Ratio Lower Upper
228 100
226 29.6 22.3 33.5
229 20.0 15.8 23.6



#83
Chrysene
Concen: 3.063 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:228 Resp: 62113
Ion Ratio Lower Upper
228 100
226 28.4 24.5 36.7
229 21.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

Instrument :

BNA_F

ClientSampleId :

RB21200

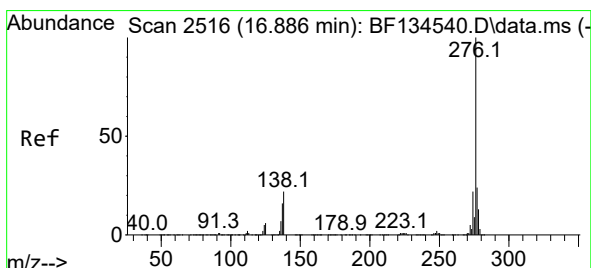
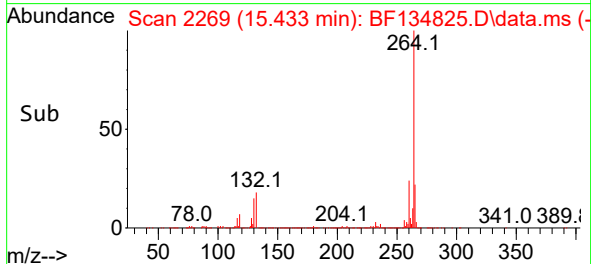
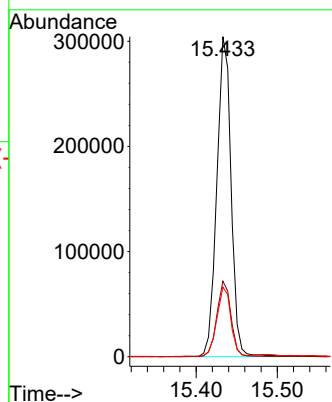
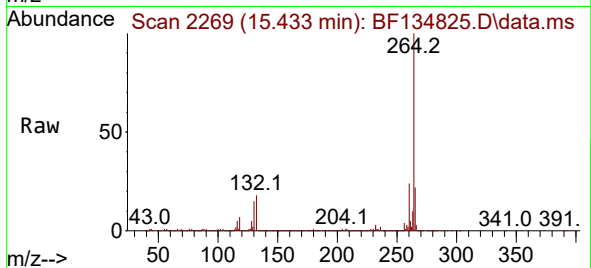
Tgt Ion:264 Resp: 371800

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.8 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.019 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

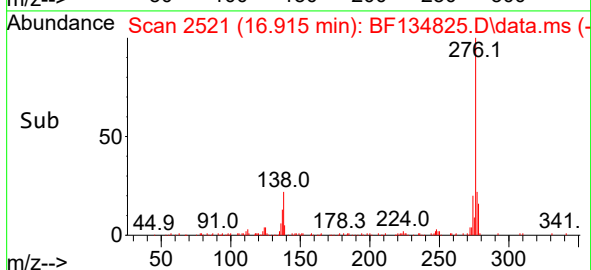
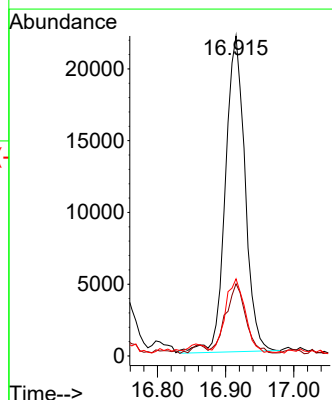
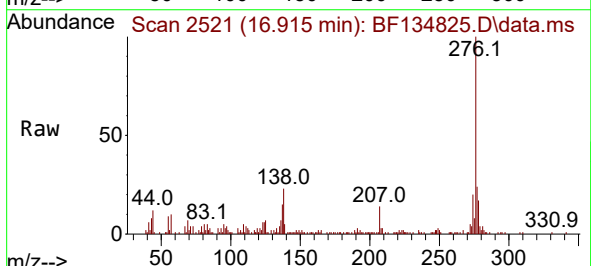
Tgt Ion:276 Resp: 44154

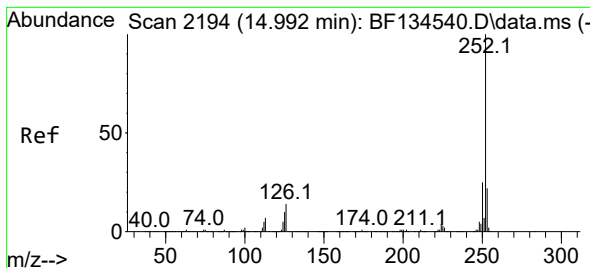
Ion Ratio Lower Upper

276 100

138 23.5 14.2 21.4#

277 23.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 6.042 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

Instrument :

BNA_F

ClientSampleId :

RB21200

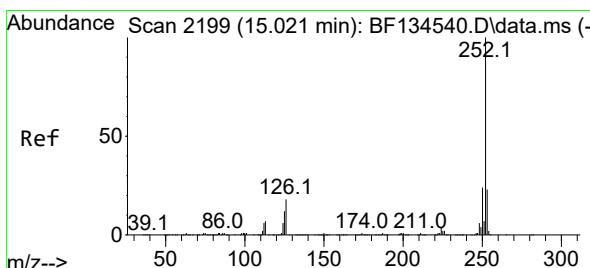
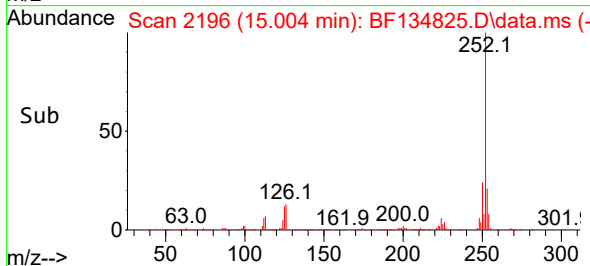
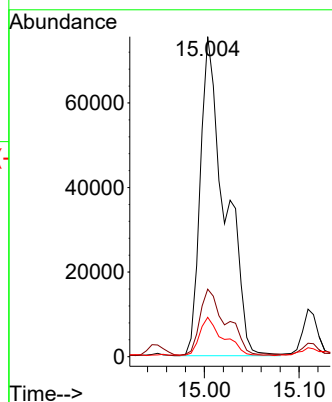
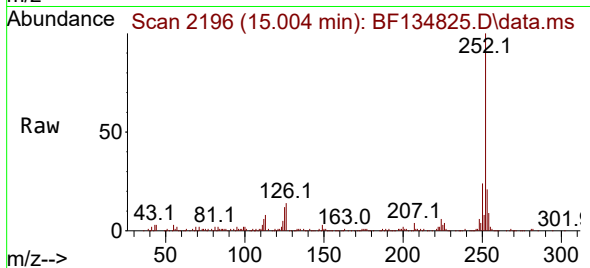
Tgt Ion:252 Resp: 137002

Ion Ratio Lower Upper

252 100

253 21.1 17.3 25.9

125 12.3 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 6.065 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF134825.D

Acq: 17 Aug 2023 19:29

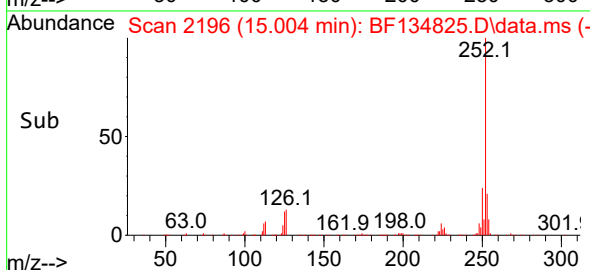
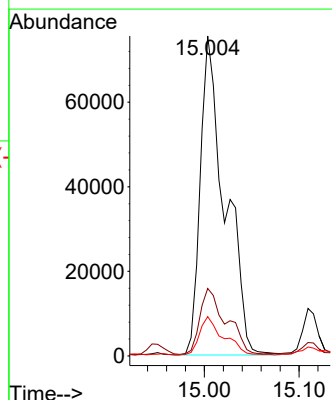
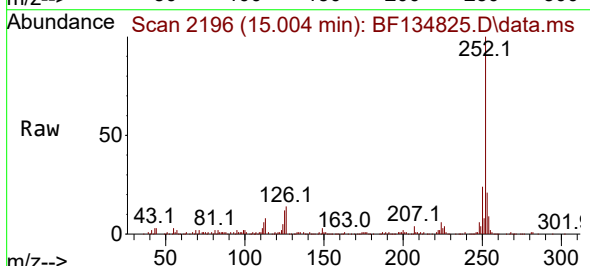
Tgt Ion:252 Resp: 137002

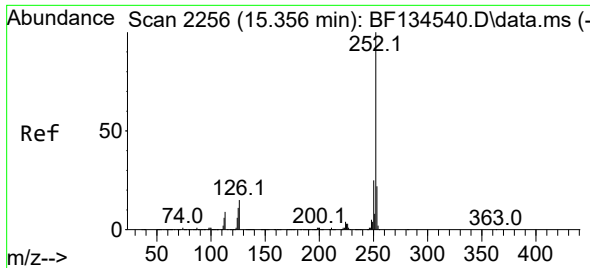
Ion Ratio Lower Upper

252 100

253 21.1 17.9 26.9

125 12.3 6.3 9.5#

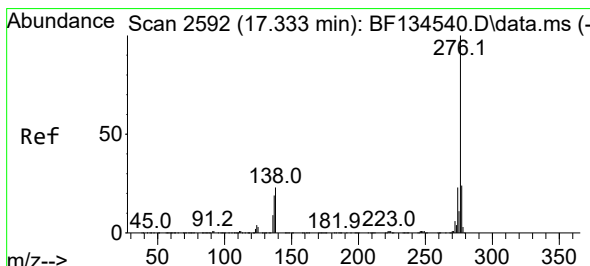
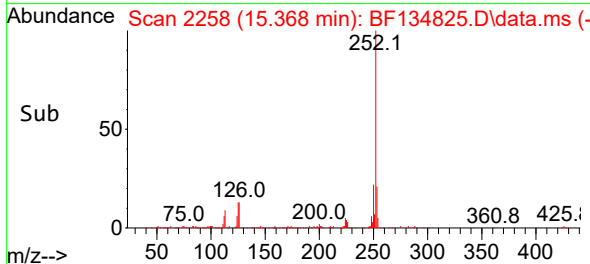
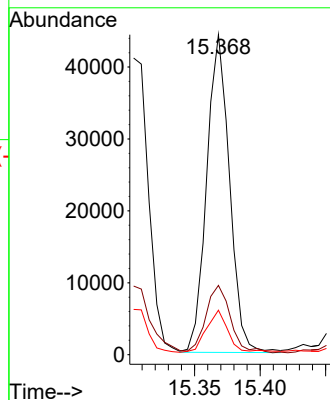
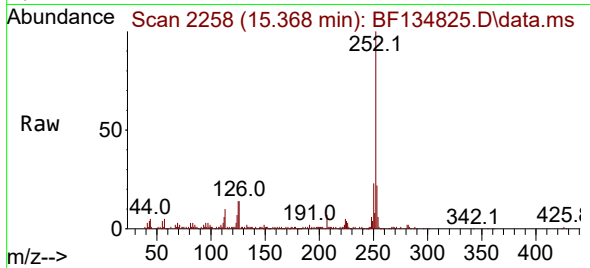




#90
Benzo(a)pyrene
Concen: 2.533 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Instrument :
BNA_F
ClientSampleId :
RB21200

Tgt Ion:252 Resp: 53554
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.4
125 13.9 6.2 9.4#



#92
Benzo(g,h,i)perylene
Concen: 2.236 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.012 min
Lab File: BF134825.D
Acq: 17 Aug 2023 19:29

Tgt Ion:276 Resp: 40308
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.6
138 22.6 12.2 18.2#

