

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
 Data File : BF134722.D
 Acq On : 11 Aug 2023 09:20
 Operator : CG\JU
 Sample : 03952-01 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-1-080923

Quant Time: Aug 11 22:18:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

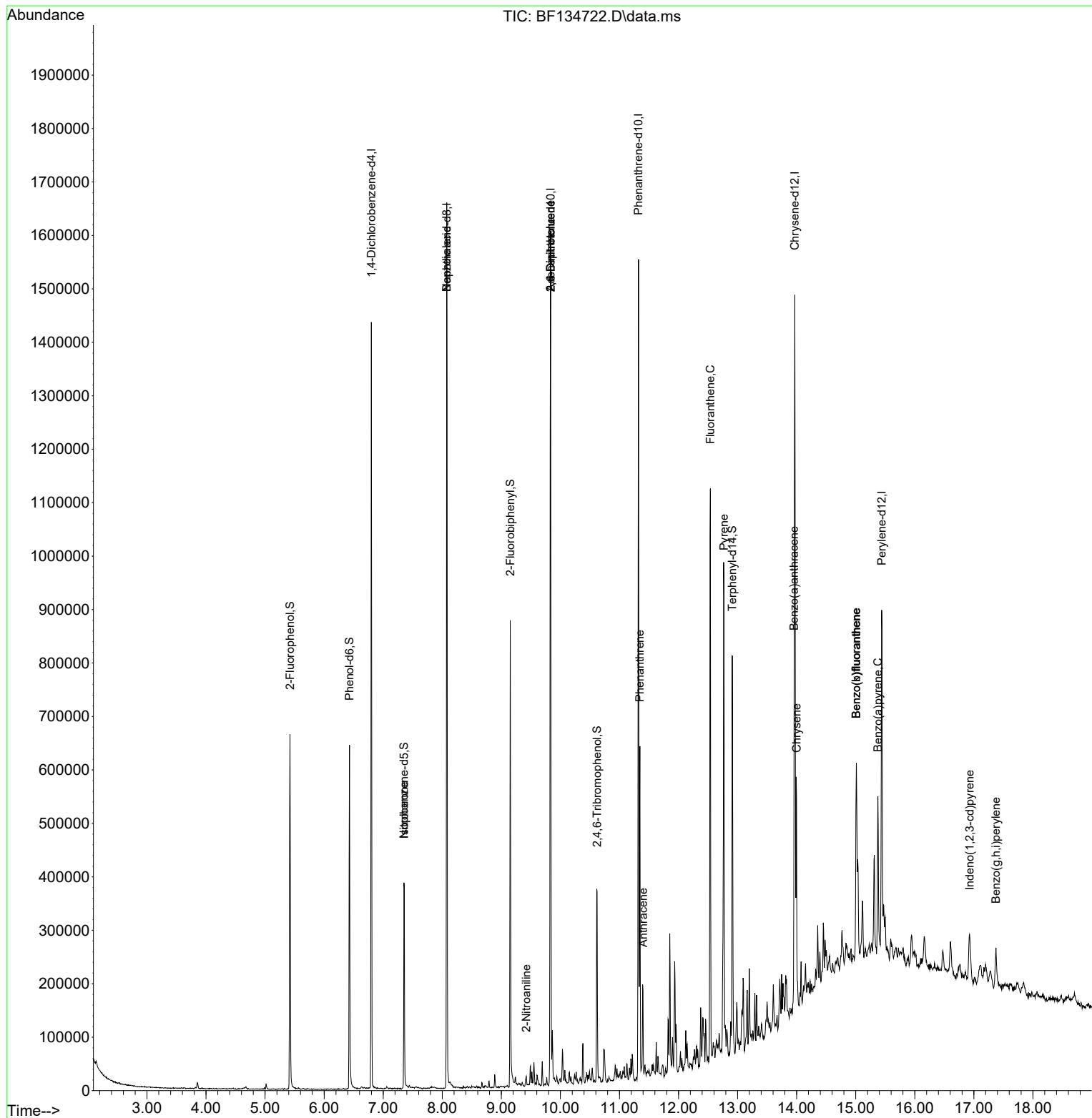
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	188441	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	684375	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	325399	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	515306	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	372357	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	322157	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	175273	14.139	ng	0.00
7) Phenol-d6	6.428	99	204887	12.929	ng	-0.01
23) Nitrobenzene-d5	7.351	82	124790	11.395	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	45929	13.846	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	260343	13.303	ng	-0.01
79) Terphenyl-d14	12.910	244	246430	11.667	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.357	77	119	Below Cal		Qvalue # 42
25) Isophorone	7.351	82	123352	5.164	ng	# 65
32) Benzoic acid	8.075	122	92	7.878	ng	# 1
48) 2-Nitroaniline	9.422	65	115	3.184	ng	# 8
51) 2,6-Dinitrotoluene	9.834	165	41600	11.174	ng	# 17
57) 2,4-Dinitrotoluene	9.834	165	41600	9.980	ng	# 18
71) Phenanthrene	11.345	178	213389	7.796	ng	98
72) Anthracene	11.398	178	66369	2.374	ng	99
75) Fluoranthene	12.539	202	430672	14.896	ng	98
78) Pyrene	12.769	202	395333	12.270	ng	99
81) Benzo(a)anthracene	13.957	228	209584	7.872	ng	98
83) Chrysene	13.998	228	178824	6.894	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	65028	3.432	ng	# 93
88) Benzo(b)fluoranthene	15.010	252	267162	13.597	ng	# 94
89) Benzo(k)fluoranthene	15.010	252	267162	13.650	ng	# 95
90) Benzo(a)pyrene	15.374	252	137491	7.505	ng	# 94
92) Benzo(g,h,i)perylene	17.374	276	59841	3.831	ng	# 89

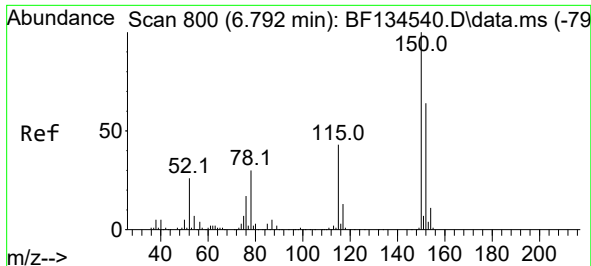
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
Data File : BF134722.D
Acq On : 11 Aug 2023 09:20
Operator : CG\JU
Sample : 03952-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-1-080923

Quant Time: Aug 11 22:18:57 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

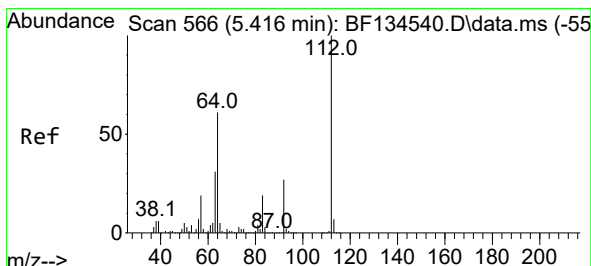
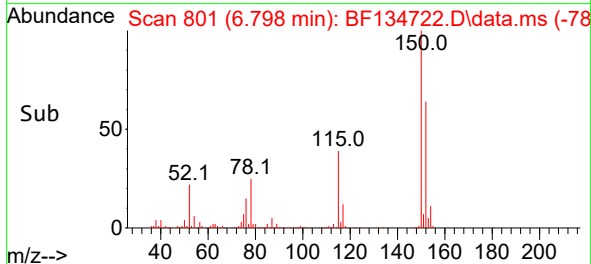
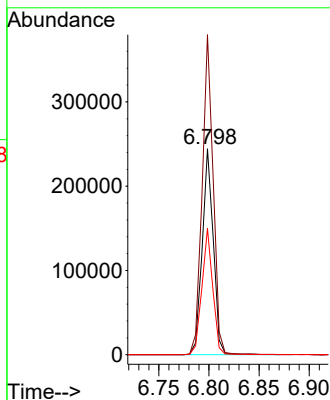
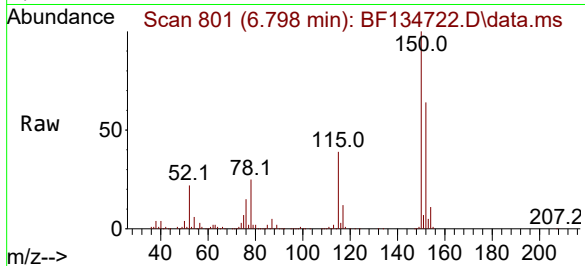




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF134722.D
 Acq: 11 Aug 2023 09:20

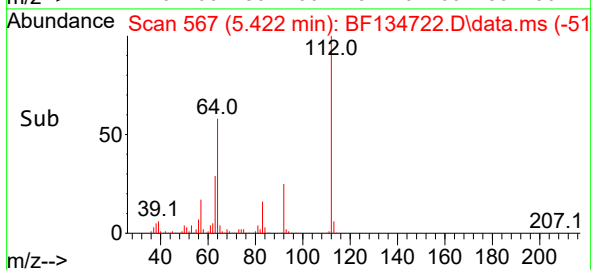
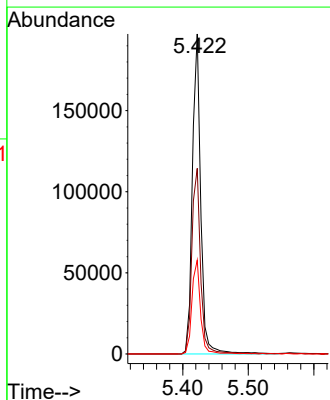
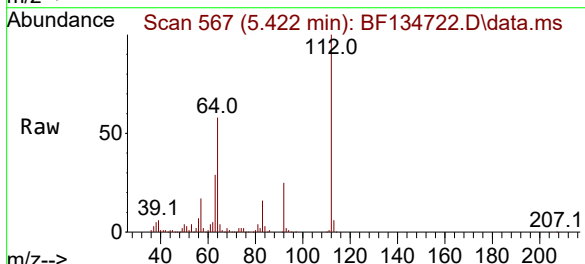
Instrument :
 BNA_F
 ClientSampleId :
 OK-1-080923

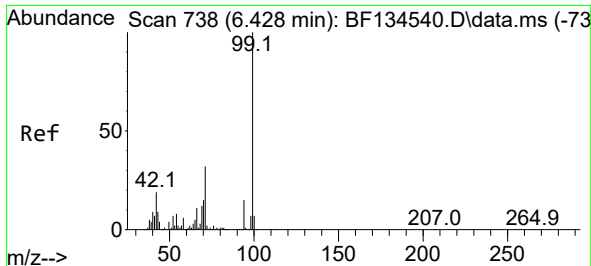
Tgt Ion:152 Resp: 188441
 Ion Ratio Lower Upper
 152 100
 150 155.4 128.3 192.5
 115 61.3 52.4 78.6



#5
 2-Fluorophenol
 Concen: 14.139 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF134722.D
 Acq: 11 Aug 2023 09:20

Tgt Ion:112 Resp: 175273
 Ion Ratio Lower Upper
 112 100
 64 58.0 44.9 67.3
 63 29.3 25.4 38.0

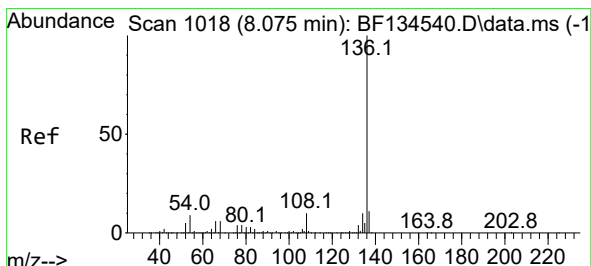
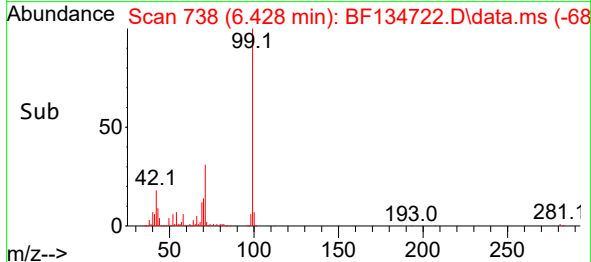
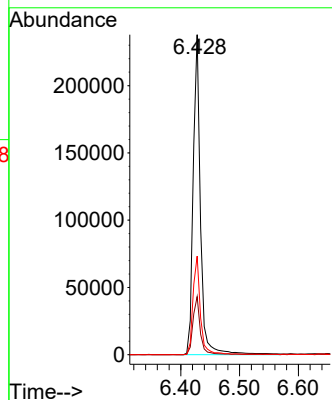
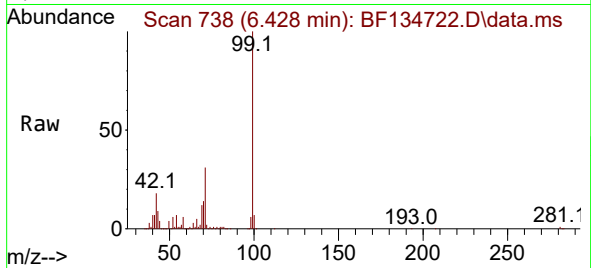




#7
Phenol-d6
Concen: 12.929 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

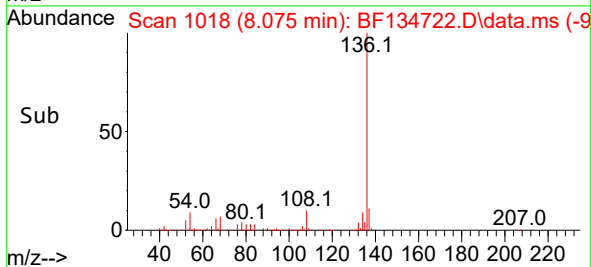
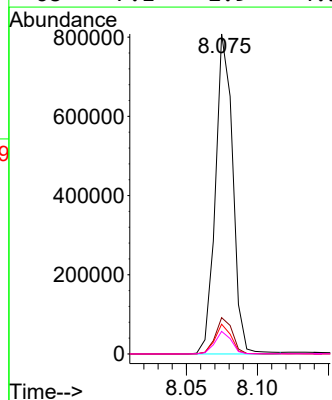
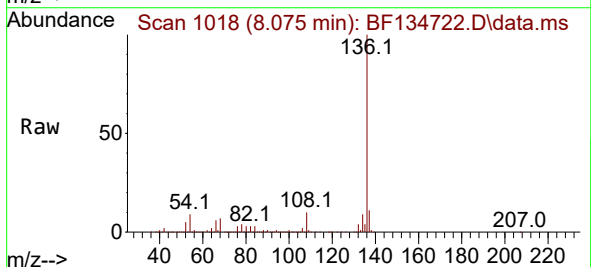
Instrument :
BNA_F
ClientSampleId :
OK-1-080923

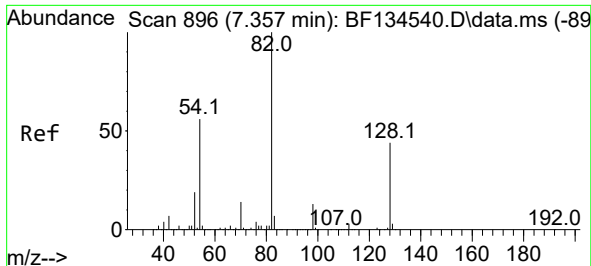
Tgt Ion: 99 Resp: 204887
Ion Ratio Lower Upper
99 100
42 18.1 18.7 28.1#
71 30.8 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Tgt Ion: 136 Resp: 684375
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 9.3 5.2 7.8#
68 7.1 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 11.395 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

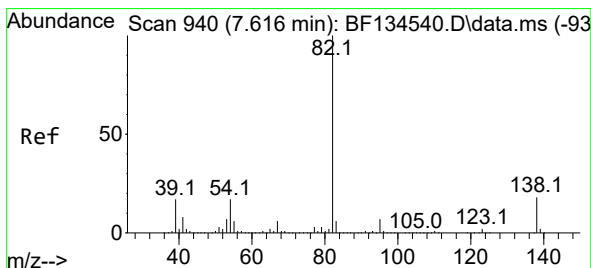
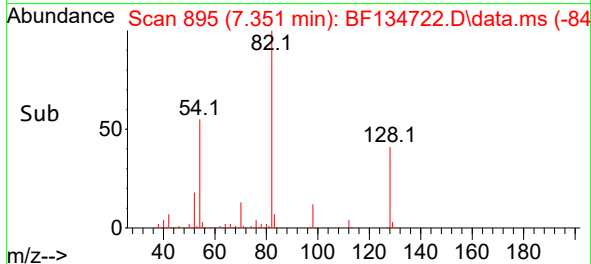
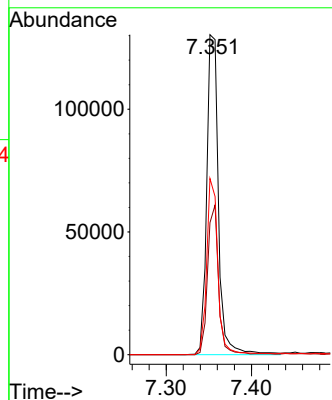
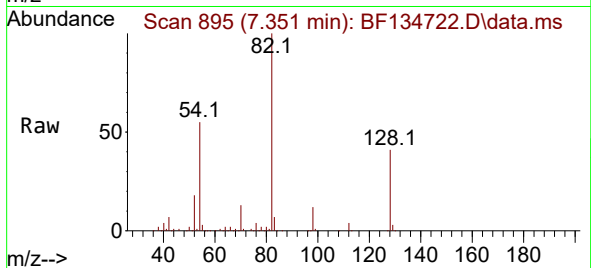
Tgt Ion: 82 Resp: 124790

Ion Ratio Lower Upper

82 100

128 41.3 34.3 51.5

54 55.1 43.8 65.6



#25

Isophorone

Concen: 5.164 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.276 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

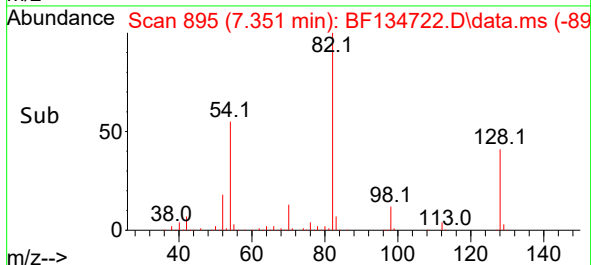
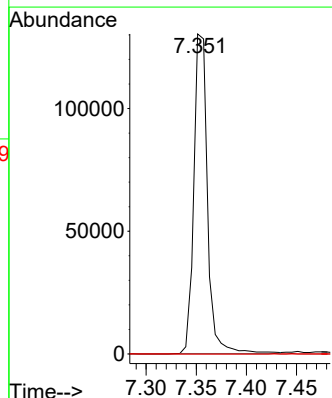
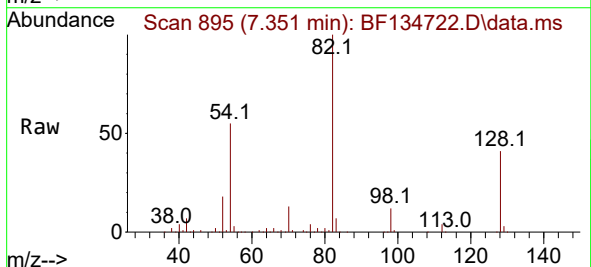
Tgt Ion: 82 Resp: 123352

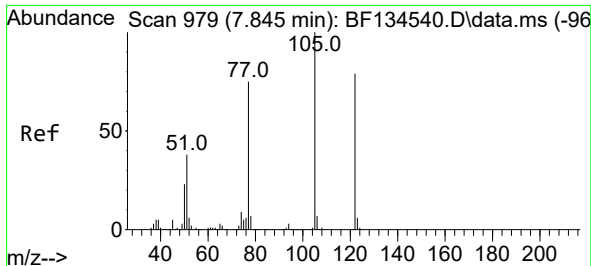
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.6 22.0#

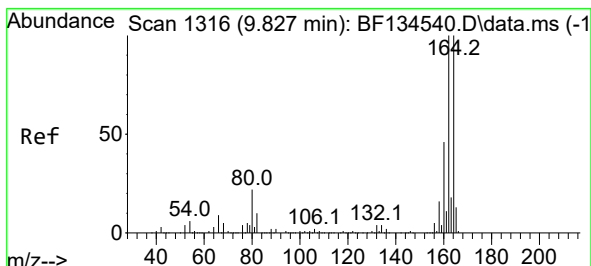
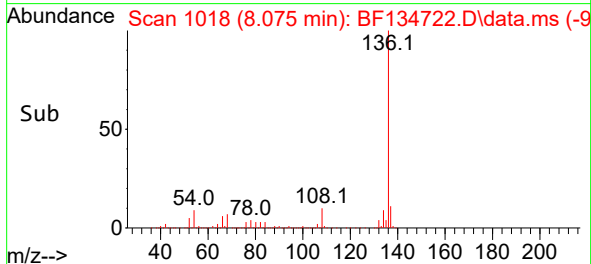
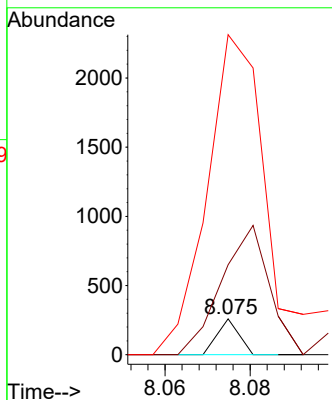
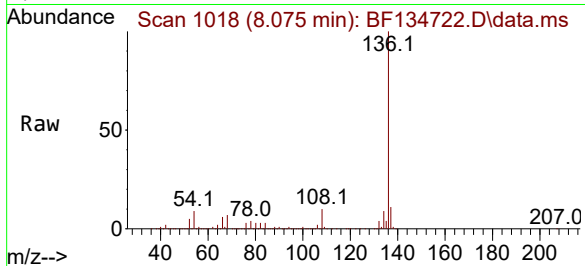




#32
Benzoic acid
Concen: 7.878 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.212 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

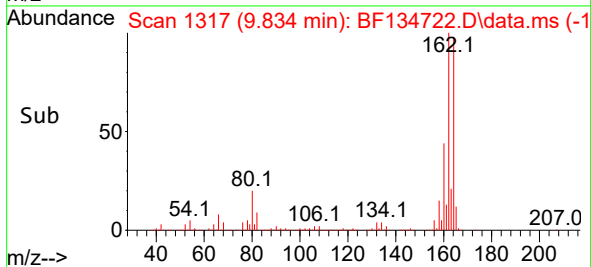
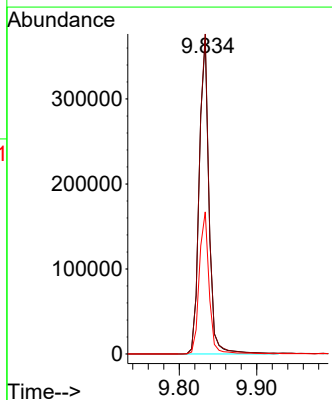
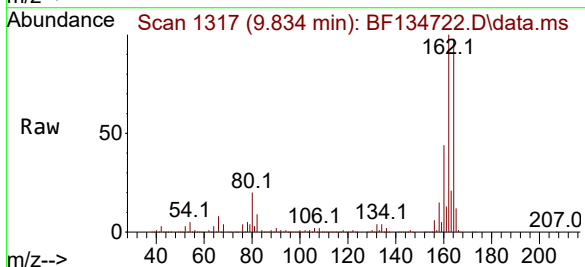
Instrument :
BNA_F
ClientSampleId :
OK-1-080923

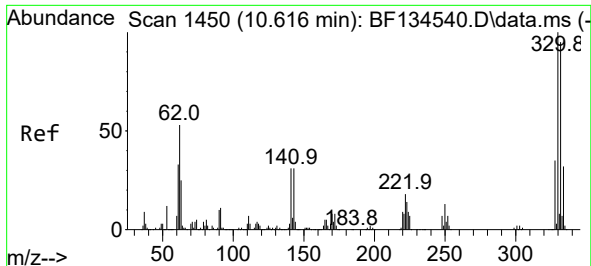
Tgt Ion:122 Resp: 92
Ion Ratio Lower Upper
122 100
105 250.0 87.5 127.5#
77 889.6 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Tgt Ion:164 Resp: 325399
Ion Ratio Lower Upper
164 100
162 101.8 82.6 123.8
160 45.2 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 13.846 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134722.D

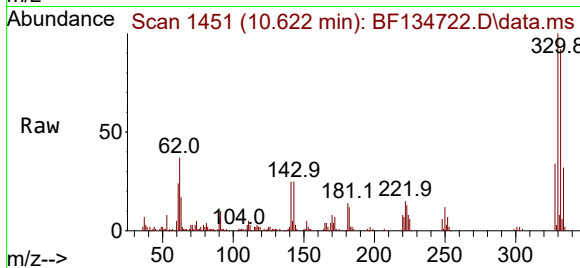
Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923



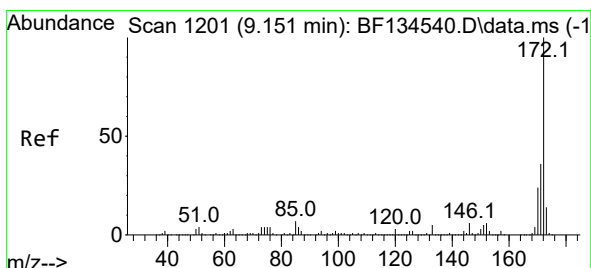
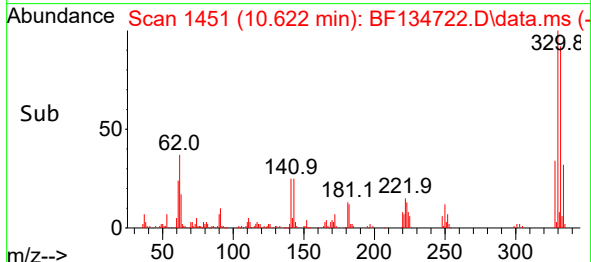
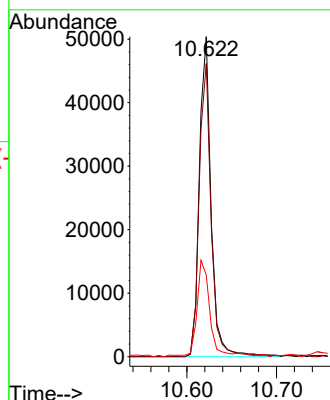
Tgt Ion:330 Resp: 45929

Ion Ratio Lower Upper

330 100

332 93.4 78.8 118.2

141 33.9 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 13.303 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

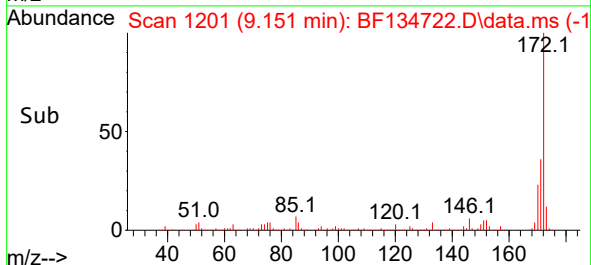
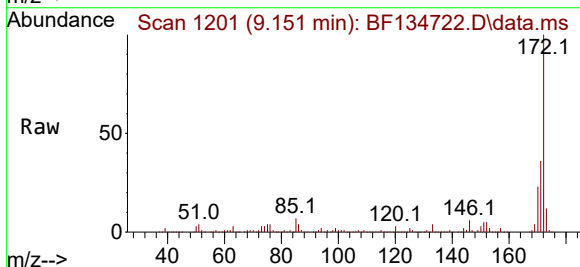
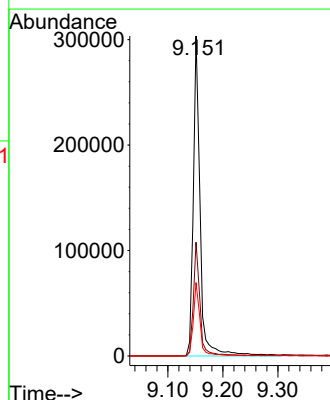
Tgt Ion:172 Resp: 260343

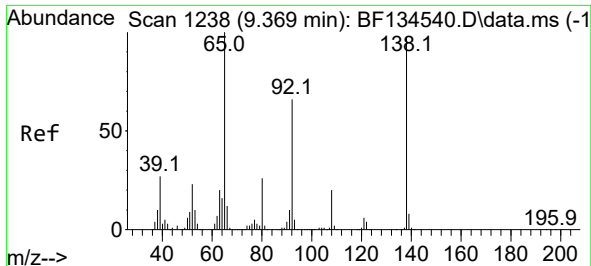
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 22.9 18.7 28.1





#48

2-Nitroaniline

Concen: 3.184 ng

RT: 9.422 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

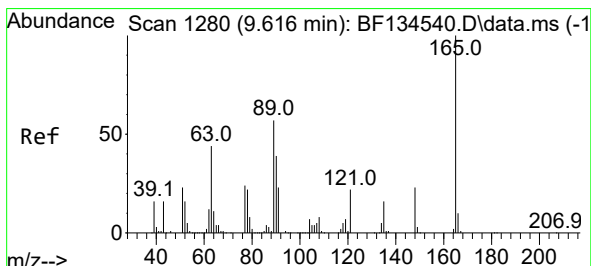
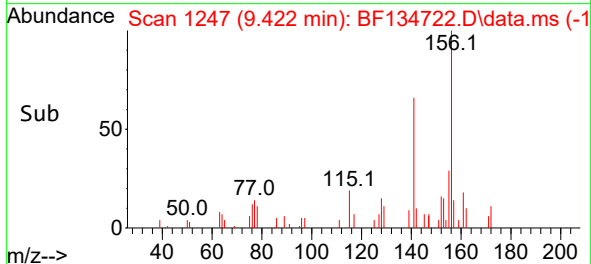
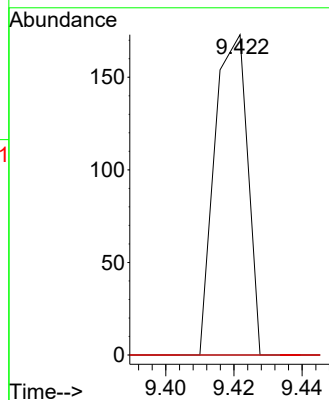
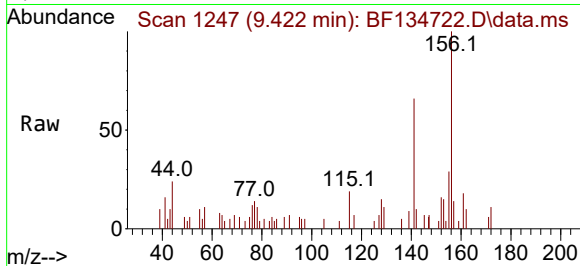
Tgt Ion: 65 Resp: 115

Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#



#51

2,6-Dinitrotoluene

Concen: 11.174 ng

RT: 9.834 min Scan# 1317

Delta R.T. 0.206 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

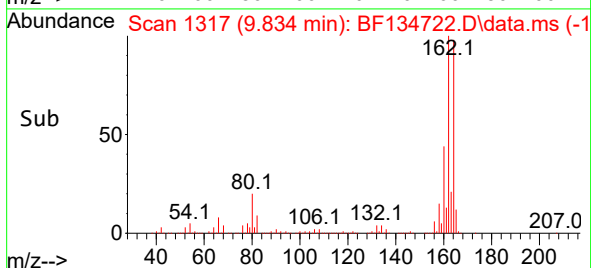
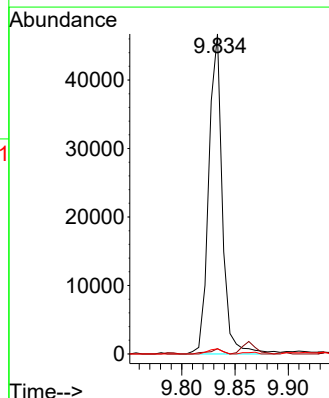
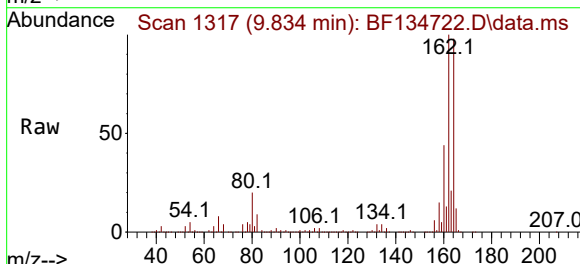
Tgt Ion: 165 Resp: 41600

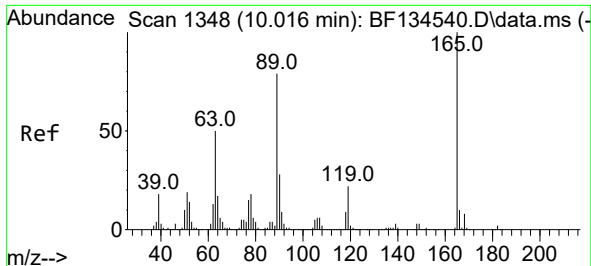
Ion Ratio Lower Upper

165 100

63 1.6 57.8 86.6#

89 1.6 51.8 77.8#

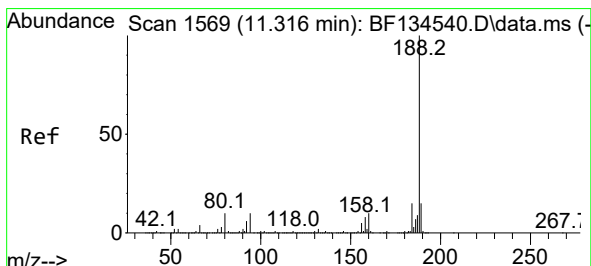
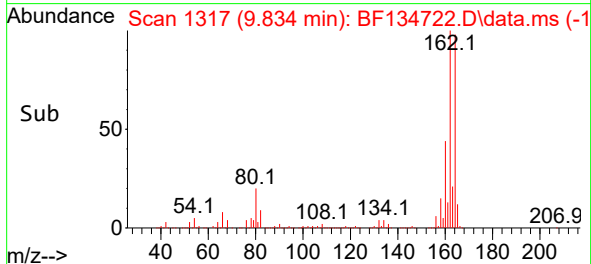
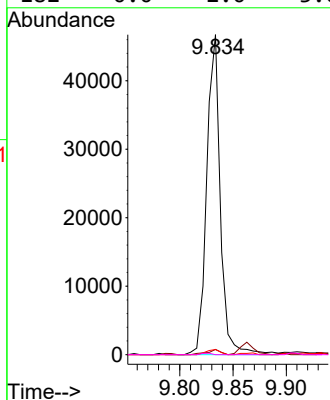
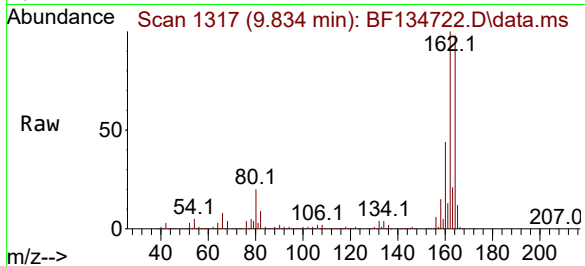




#57
2,4-Dinitrotoluene
Concen: 9.980 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

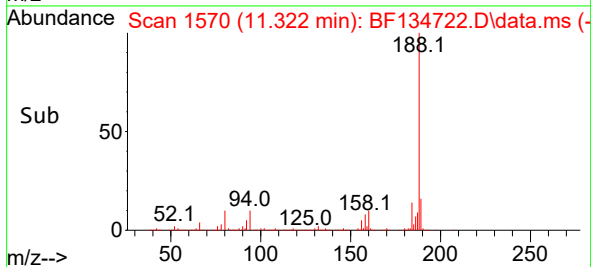
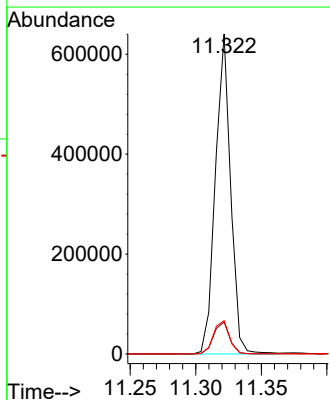
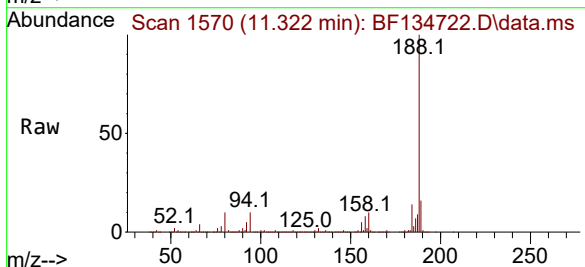
Instrument :
BNA_F
ClientSampleId :
OK-1-080923

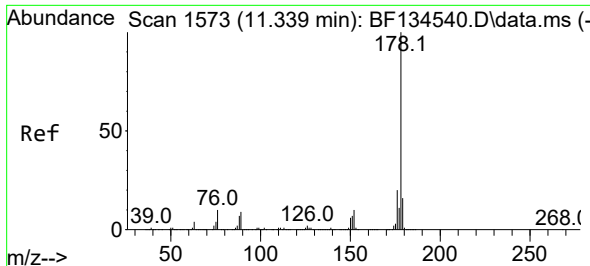
Tgt Ion:165 Resp: 41600
Ion Ratio Lower Upper
165 100
63 1.6 48.9 73.3#
89 1.6 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Tgt Ion:188 Resp: 515306
Ion Ratio Lower Upper
188 100
94 10.0 5.1 7.7#
80 10.4 6.6 9.8#

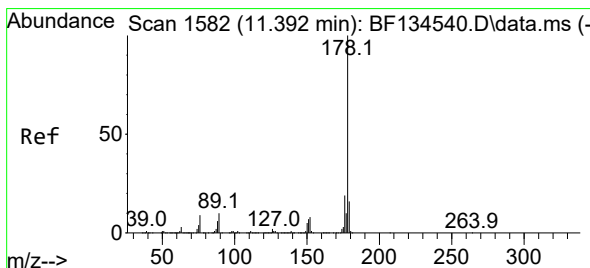
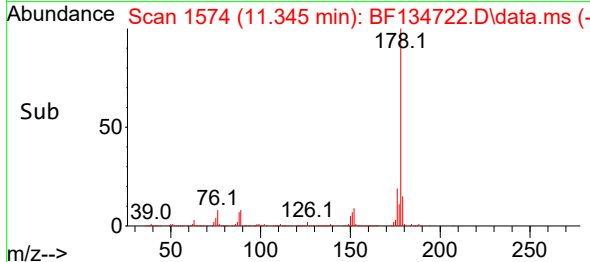
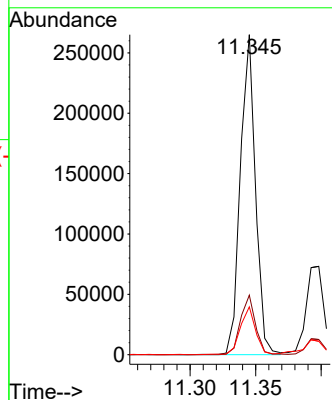
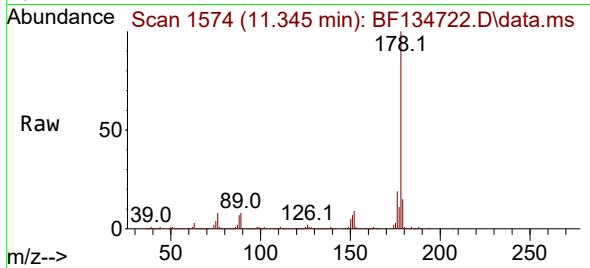




#71
Phenanthrene
Concen: 7.796 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

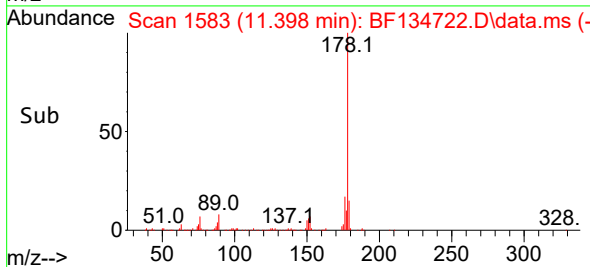
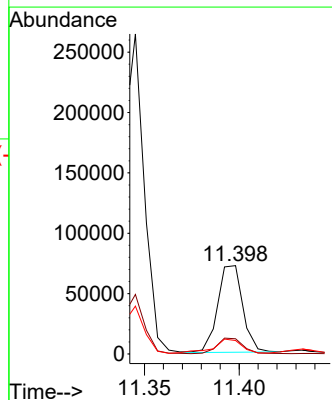
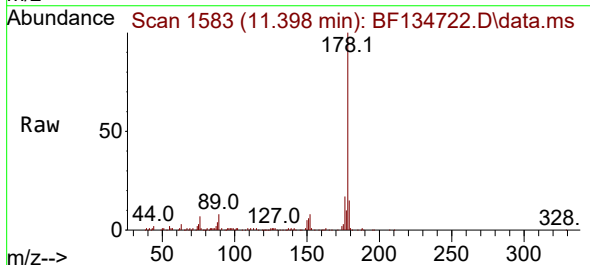
Instrument :
BNA_F
ClientSampleId :
OK-1-080923

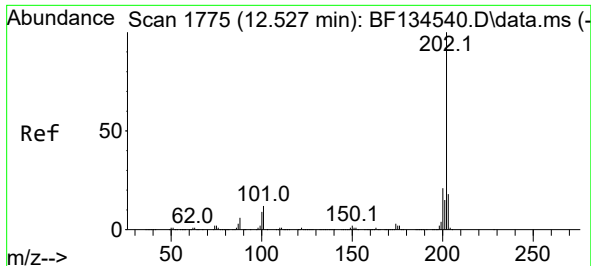
Tgt Ion:178 Resp: 213389
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.0 12.7 19.1



#72
Anthracene
Concen: 2.374 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Tgt Ion:178 Resp: 66369
Ion Ratio Lower Upper
178 100
176 17.2 14.6 21.8
179 15.2 12.3 18.5

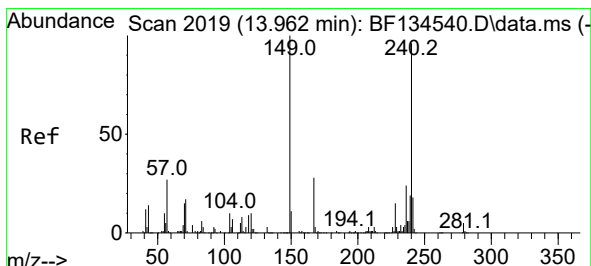
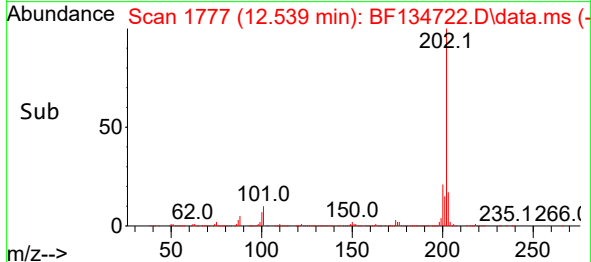
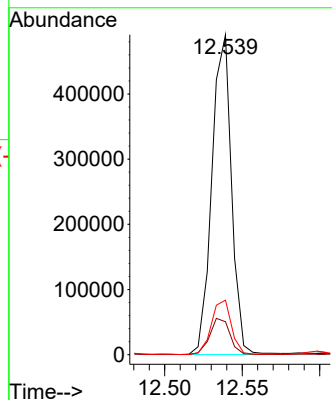
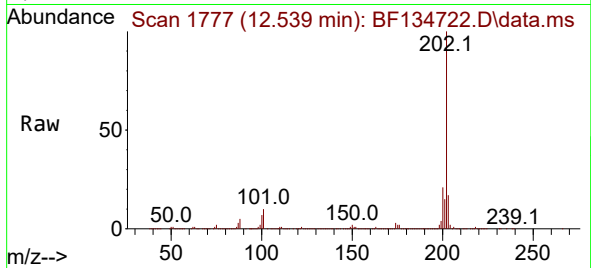




#75
Fluoranthene
Concen: 14.896 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

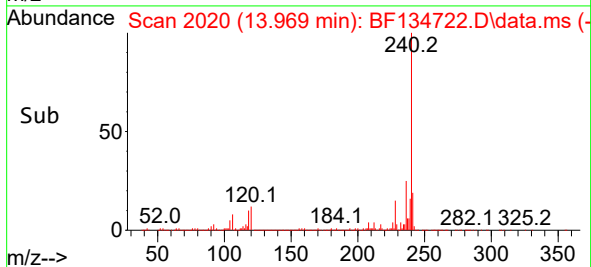
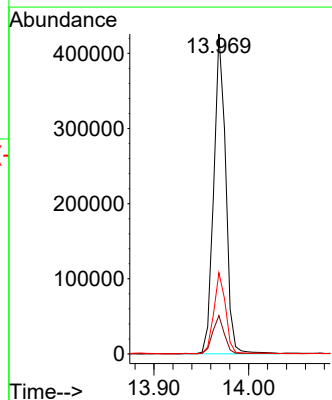
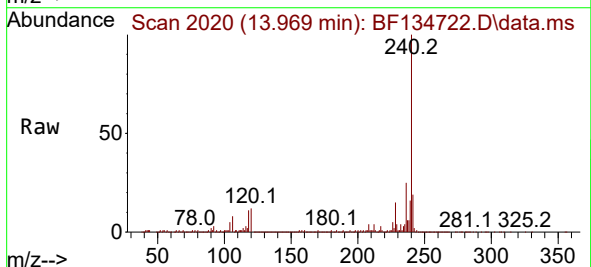
Instrument :
BNA_F
ClientSampleId :
OK-1-080923

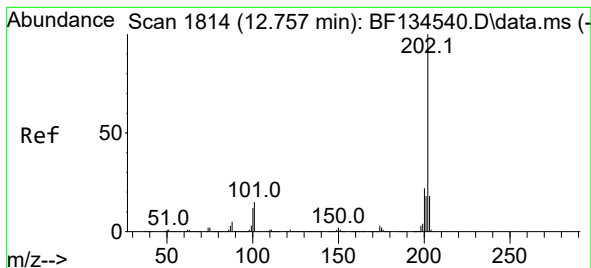
Tgt Ion:202 Resp: 430672
Ion Ratio Lower Upper
202 100
101 10.3 0.0 28.5
203 17.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Tgt Ion:240 Resp: 372357
Ion Ratio Lower Upper
240 100
120 12.0 6.6 10.0#
236 25.4 20.2 30.2





#78

Pyrene

Concen: 12.270 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

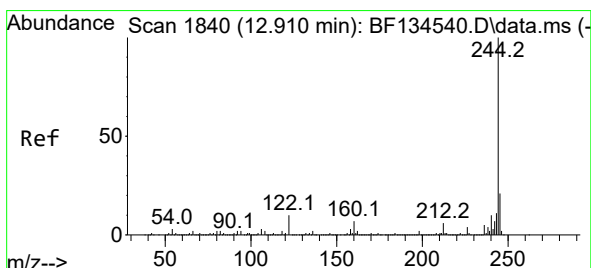
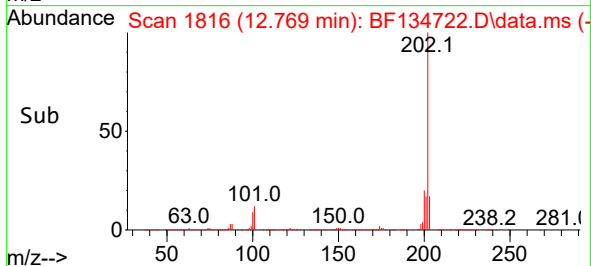
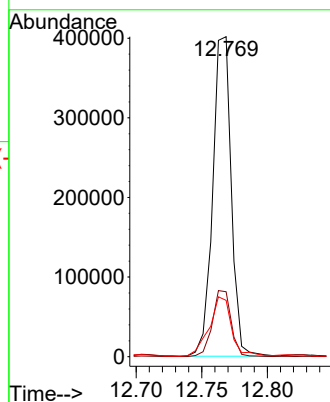
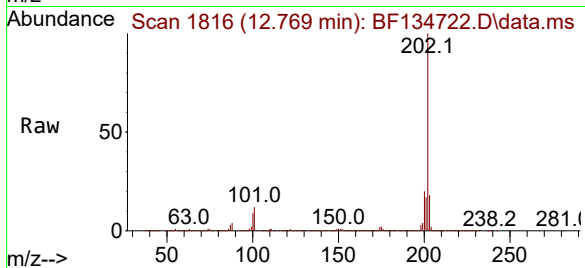
Tgt Ion:202 Resp: 395333

Ion Ratio Lower Upper

202 100

200 20.3 15.8 23.8

203 17.6 13.5 20.3



#79

Terphenyl-d14

Concen: 11.667 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

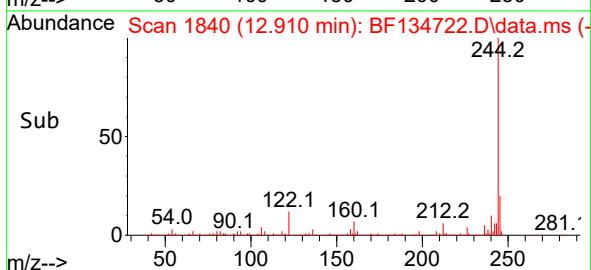
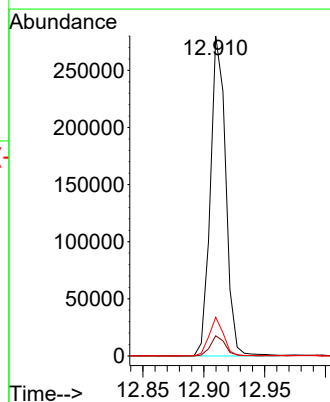
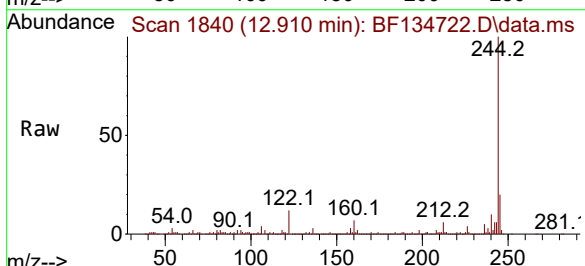
Tgt Ion:244 Resp: 246430

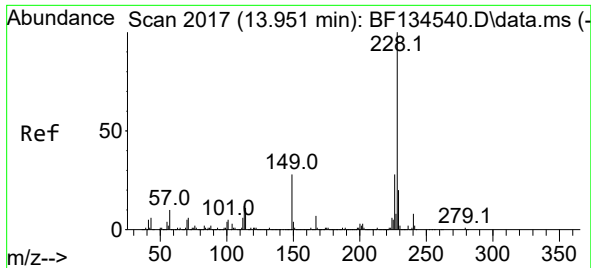
Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 12.1 8.0 12.0#

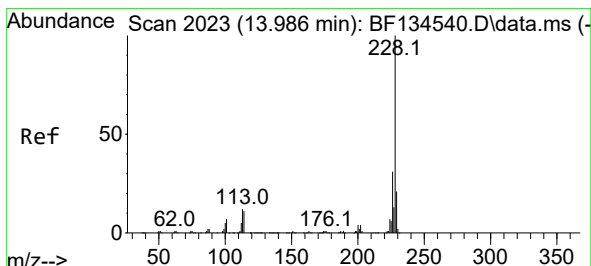
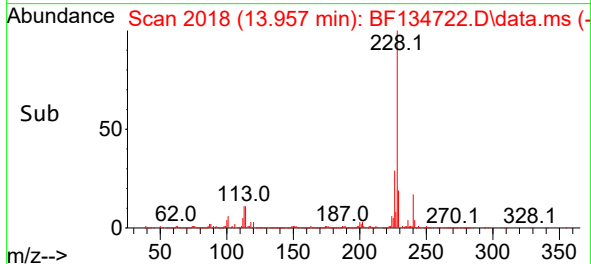
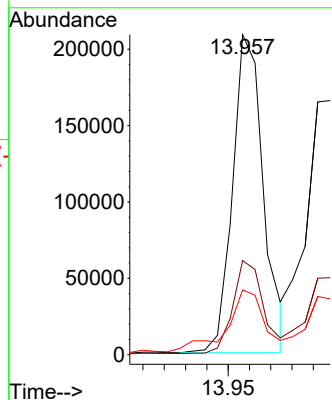
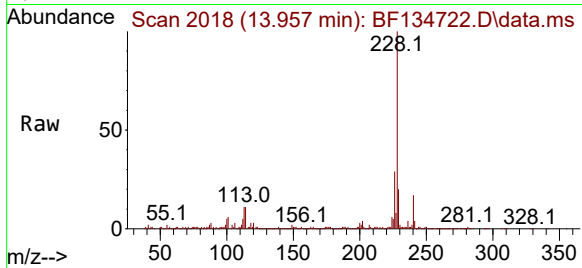




#81
Benzo(a)anthracene
Concen: 7.872 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

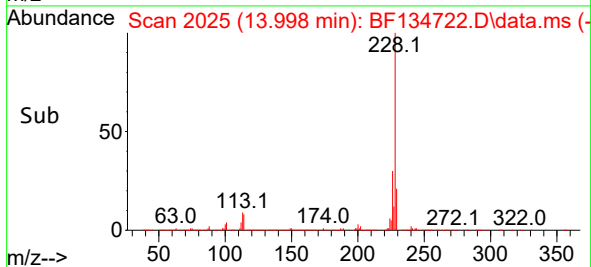
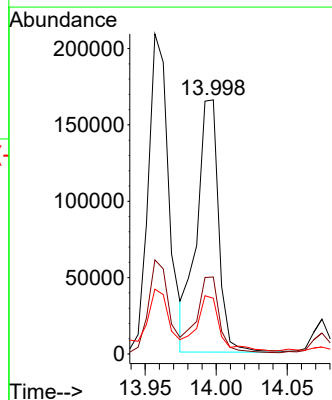
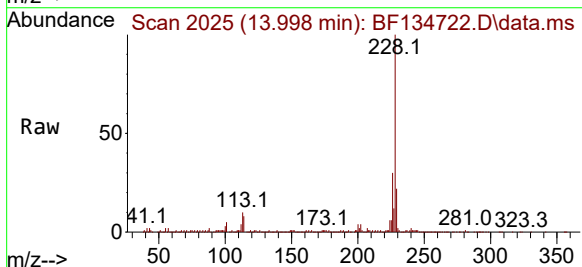
Instrument :
BNA_F
ClientSampleId :
OK-1-080923

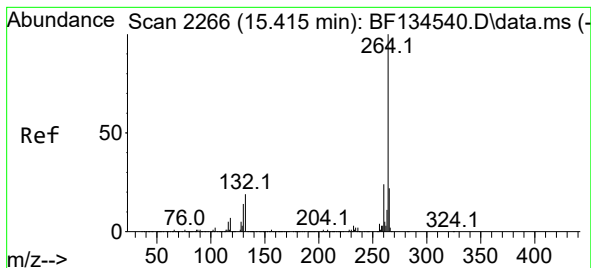
Tgt Ion:228 Resp: 209584
Ion Ratio Lower Upper
228 100
226 29.4 22.3 33.5
229 20.3 15.8 23.6



#83
Chrysene
Concen: 6.894 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134722.D
Acq: 11 Aug 2023 09:20

Tgt Ion:228 Resp: 178824
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 21.9 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: BF134722.D

Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

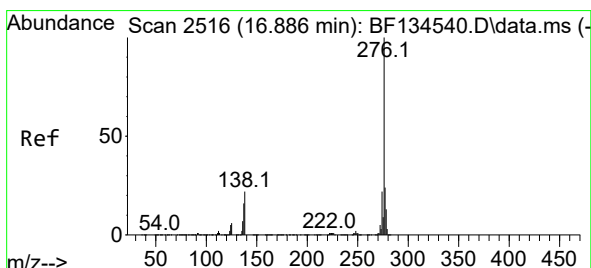
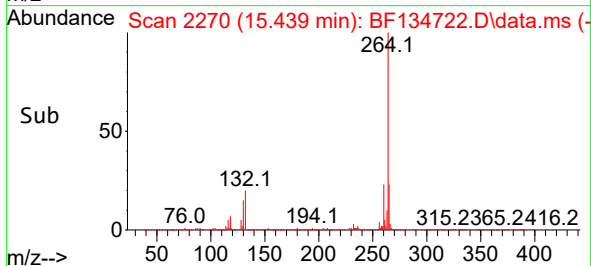
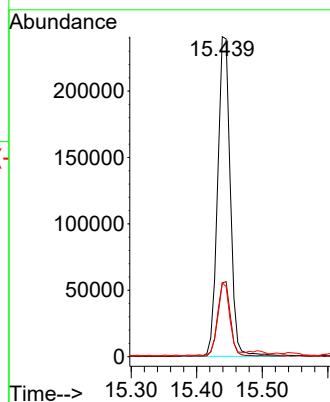
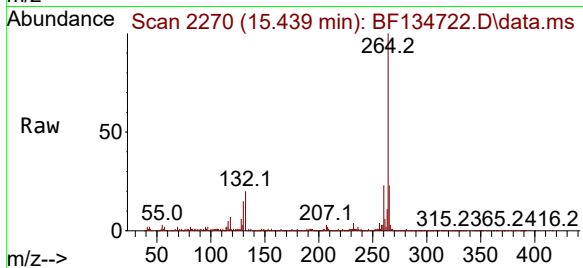
Tgt Ion:264 Resp: 322157

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 23.1 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.432 ng

RT: 16.927 min Scan# 2523

Delta R.T. 0.000 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

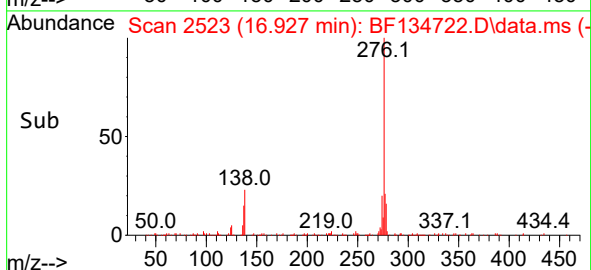
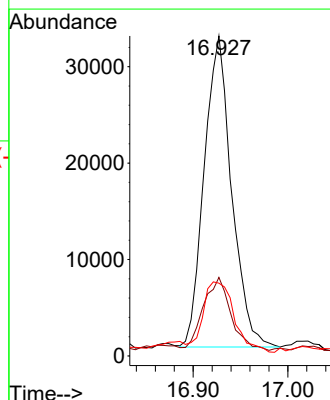
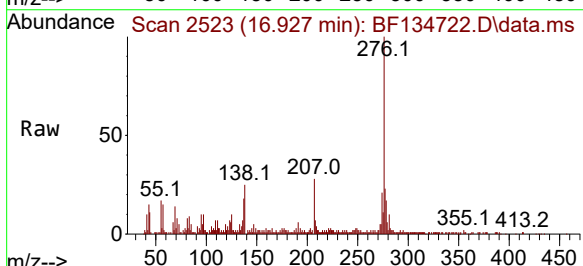
Tgt Ion:276 Resp: 65028

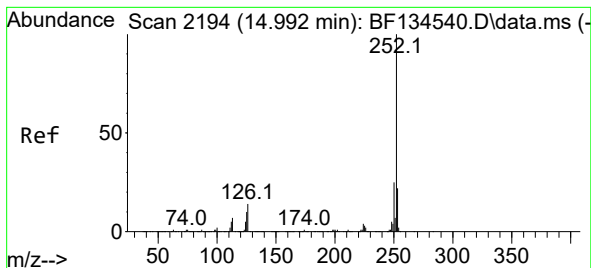
Ion Ratio Lower Upper

276 100

138 24.5 14.2 21.4#

277 25.6 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 13.597 ng

RT: 15.010 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

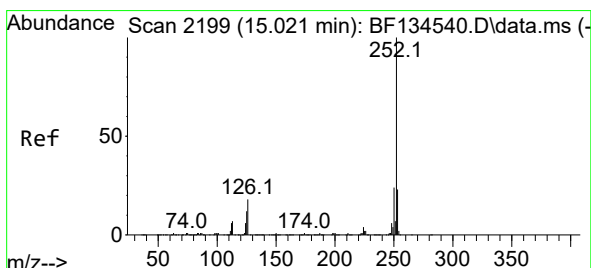
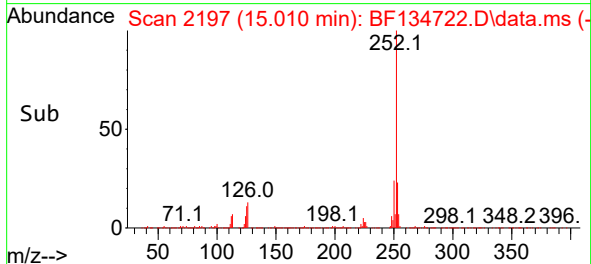
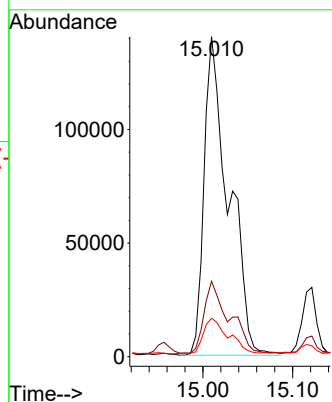
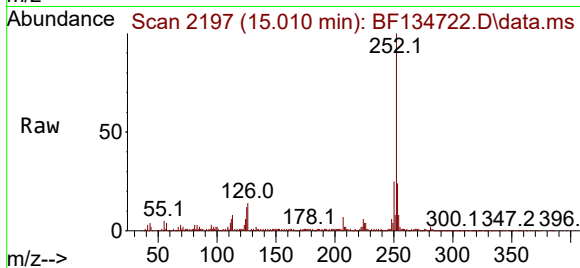
Tgt Ion:252 Resp: 267162

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 12.0 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 13.650 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

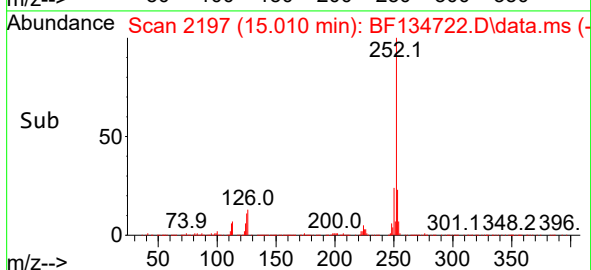
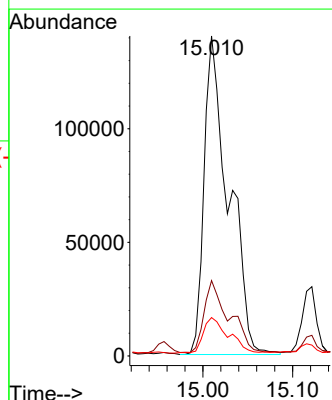
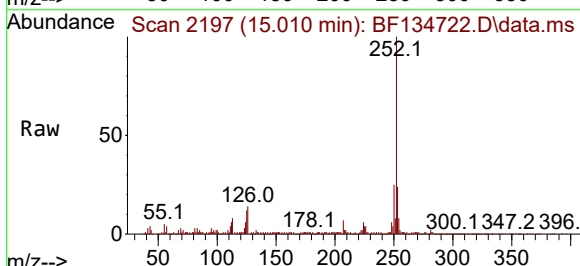
Tgt Ion:252 Resp: 267162

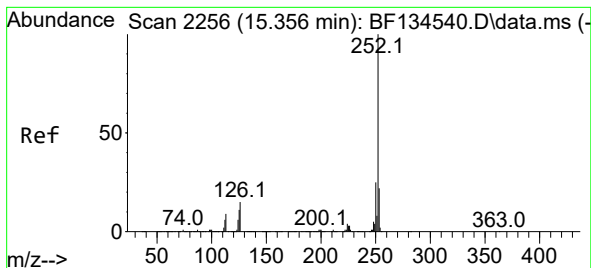
Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 12.0 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 7.505 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Instrument :

BNA_F

ClientSampleId :

OK-1-080923

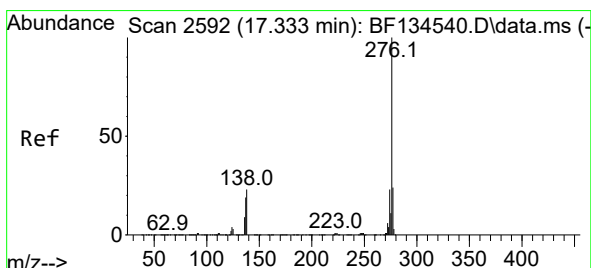
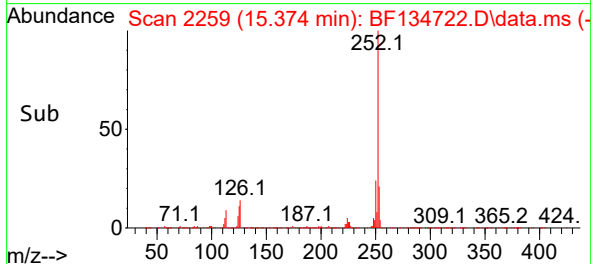
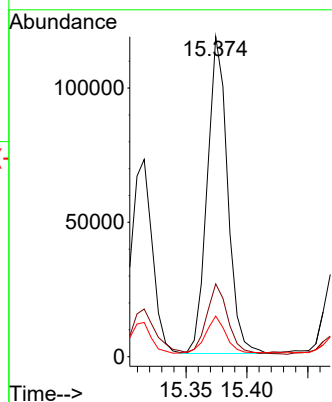
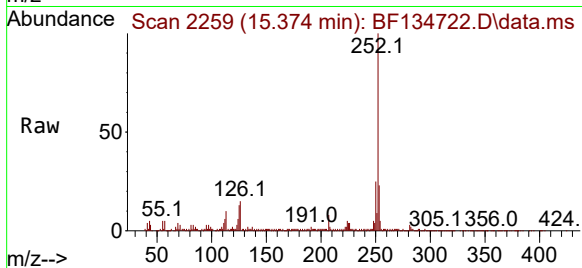
Tgt Ion:252 Resp: 137491

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 12.7 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 3.831 ng

RT: 17.374 min Scan# 2599

Delta R.T. 0.000 min

Lab File: BF134722.D

Acq: 11 Aug 2023 09:20

Tgt Ion:276 Resp: 59841

Ion Ratio Lower Upper

276 100

277 26.9 19.0 28.6

138 23.3 12.2 18.2#

