

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
 Data File : BF134586.D
 Acq On : 02 Aug 2023 18:33
 Operator : CG\JU
 Sample : 03842-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 342

Quant Time: Aug 03 01:49:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

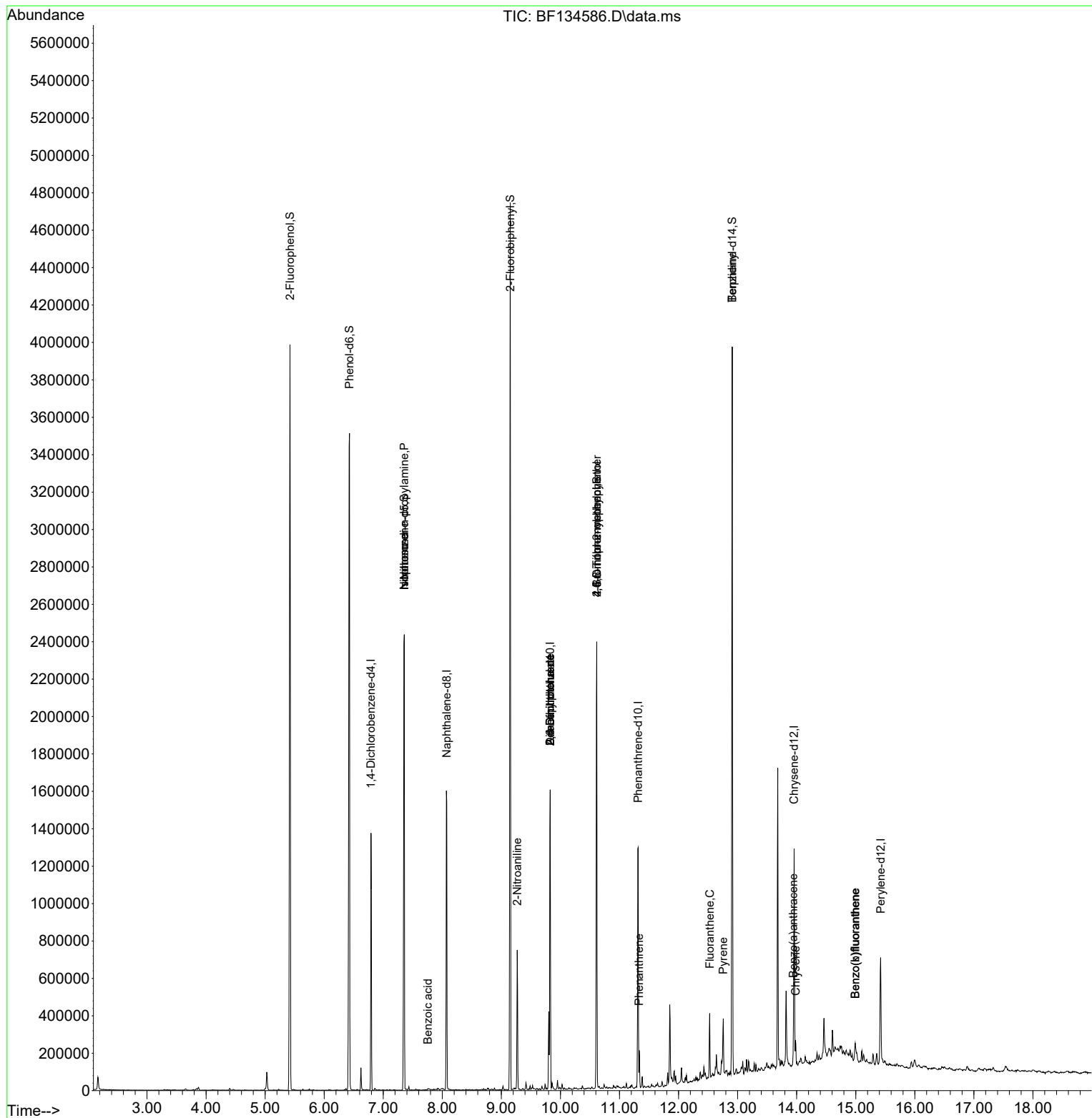
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	184044	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	701013	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	300983	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	474848	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	331244	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	267534	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1115988	92.174	ng	0.00
7) Phenol-d6	6.428	99	1388340	89.704	ng	0.00
23) Nitrobenzene-d5	7.357	82	822718	73.342	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	281515	91.751	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1382254	76.359	ng	0.00
79) Terphenyl-d14	12.910	244	1303608	69.377	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.345	77	628	Below Cal		86
19) n-Nitroso-di-n-propyla...	7.357	70	110228	11.895	ng	# 71
25) Isophorone	7.357	82	821708	33.585	ng	# 65
32) Benzoic acid	7.757	122	2104	8.114	ng	# 87
48) 2-Nitroaniline	9.269	65	7296	4.412	ng	# 18
50) Dimethylphthalate	9.828	163	63079	3.075	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	38798	11.246	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	38798	10.039	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	615	8.961	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	17762	3.417	ng	# 1
71) Phenanthrene	11.333	178	69595	2.759	ng	99
75) Fluoranthene	12.527	202	124689	4.680	ng	97
77) Benzidine	12.910	184	15470	2.151	ng	# 92
78) Pyrene	12.757	202	118091	4.120	ng	99
81) Benzo(a)anthracene	13.945	228	48234	2.036	ng	96
83) Chrysene	13.980	228	53435	2.316	ng	97
88) Benzo(b)fluoranthene	14.992	252	65109	3.990	ng	# 91
89) Benzo(k)fluoranthene	14.992	252	65109	4.006	ng	# 92

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

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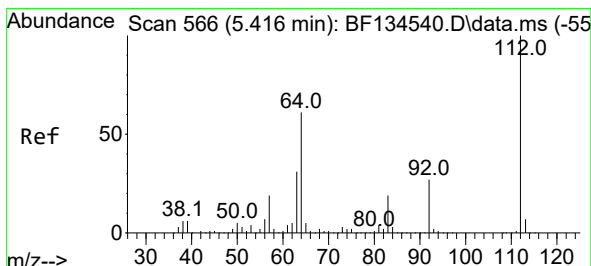
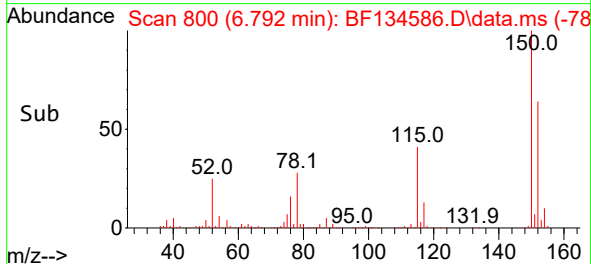
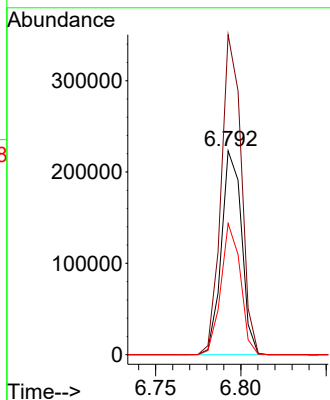
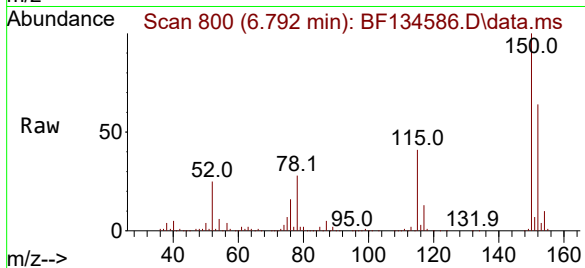




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

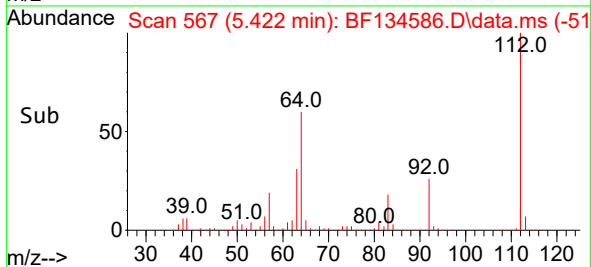
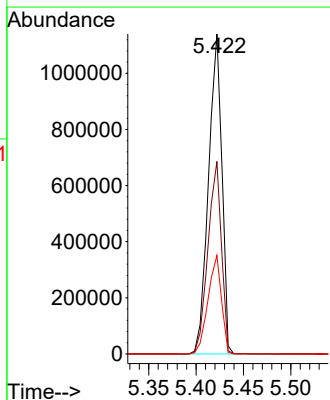
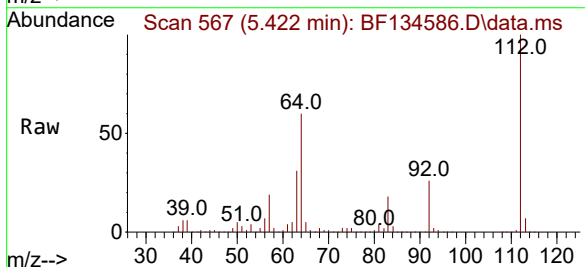
Instrument :
BNA_F
ClientSampleId :
342

Tgt Ion:152 Resp: 184044
Ion Ratio Lower Upper
152 100
150 157.0 128.3 192.5
115 64.3 52.4 78.6



#5
2-Fluorophenol
Concen: 92.174 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

Tgt Ion:112 Resp: 1115988
Ion Ratio Lower Upper
112 100
64 60.2 44.9 67.3
63 30.8 25.4 38.0

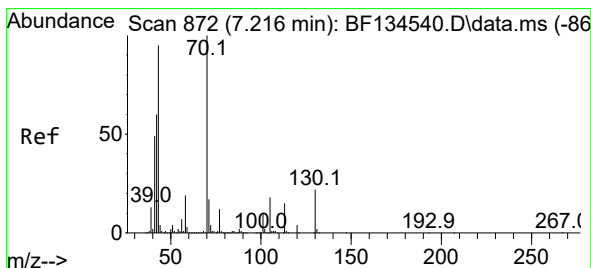
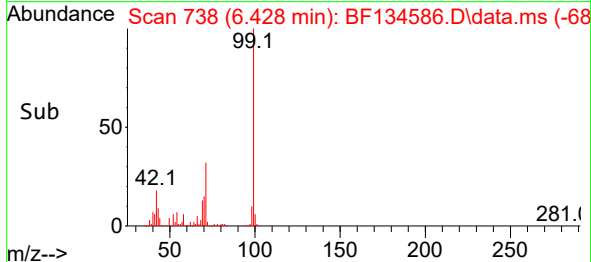
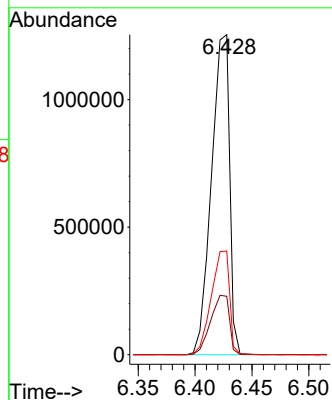
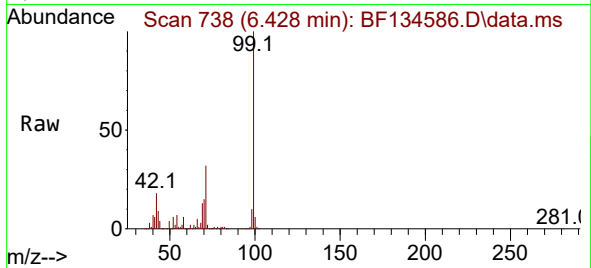




#7
Phenol-d6
Concen: 89.704 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

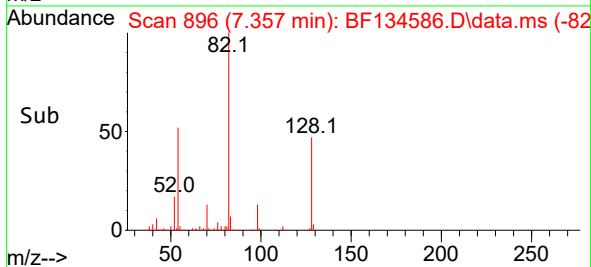
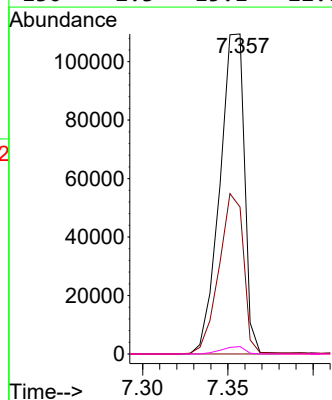
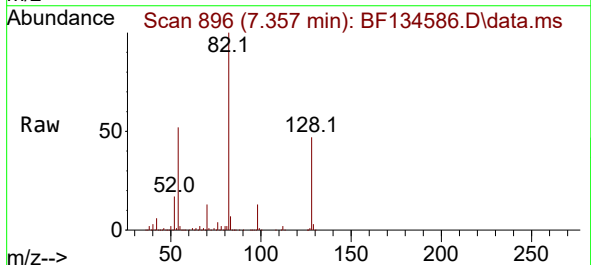
Instrument :
BNA_F
ClientSampleId :
342

Tgt Ion: 99 Resp: 1388340
Ion Ratio Lower Upper
99 100
42 18.2 18.7 28.1#
71 32.4 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 11.895 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

Tgt Ion: 70 Resp: 110228
Ion Ratio Lower Upper
70 100
42 45.9 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: 8.075 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF134586.D

Acq: 02 Aug 2023 18:33

Instrument :

BNA_F

ClientSampleId :

342

Tgt Ion:136 Resp: 701013

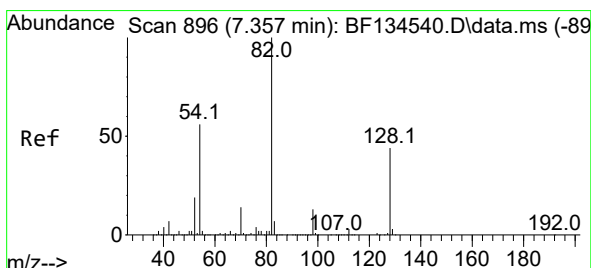
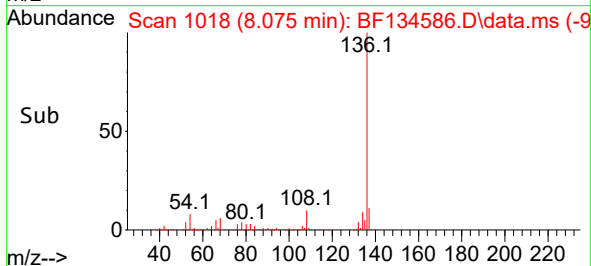
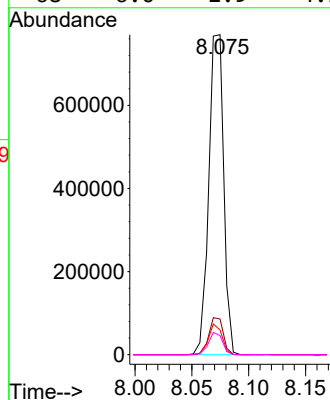
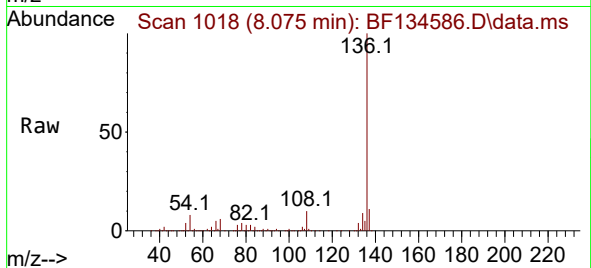
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 7.7 5.2 7.8

68 6.0 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 73.342 ng

RT: 7.357 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF134586.D

Acq: 02 Aug 2023 18:33

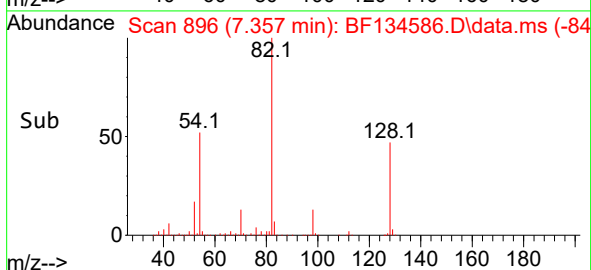
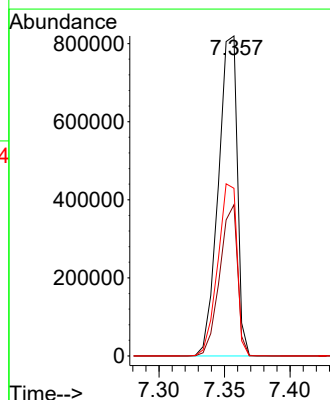
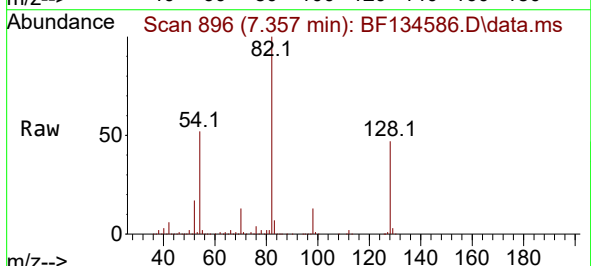
Tgt Ion: 82 Resp: 822718

Ion Ratio Lower Upper

82 100

128 47.3 34.3 51.5

54 52.4 43.8 65.6

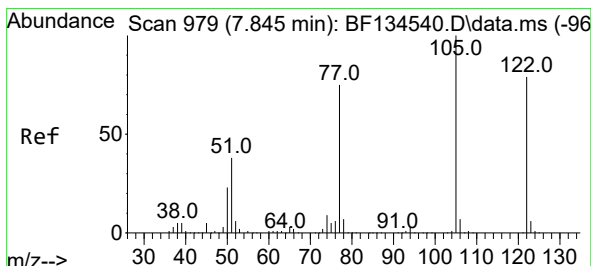
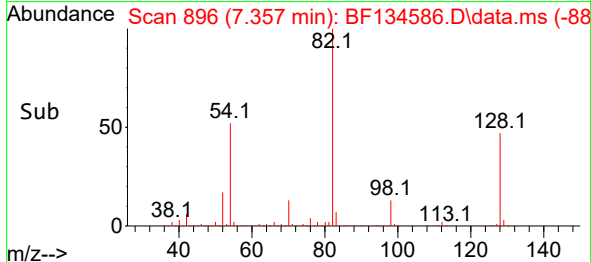
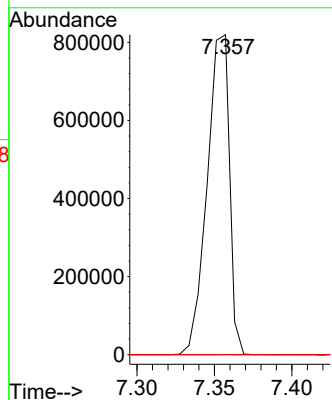
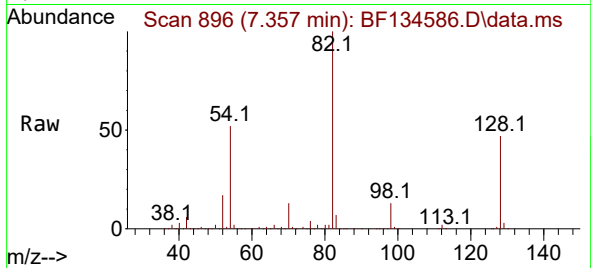




#25
Isophorone
Concen: 33.585 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.259 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

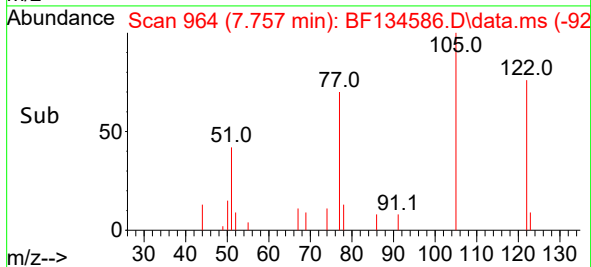
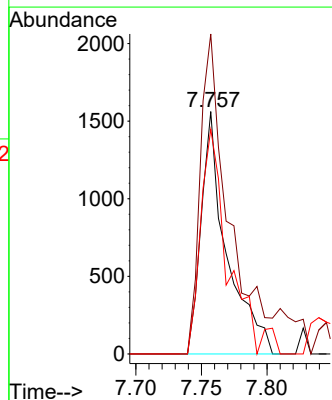
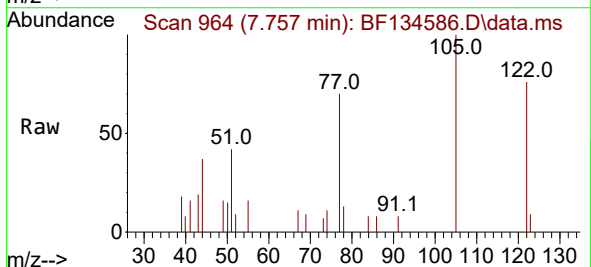
Instrument :
BNA_F
ClientSampleId :
342

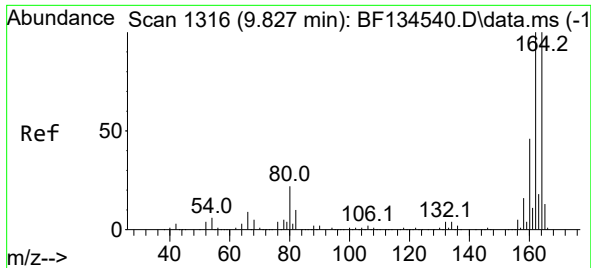
Tgt Ion: 82 Resp: 821708
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 8.114 ng
RT: 7.757 min Scan# 964
Delta R.T. -0.088 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

Tgt Ion:122 Resp: 2104
Ion Ratio Lower Upper
122 100
105 132.0 87.5 127.5#
77 92.7 71.4 111.4

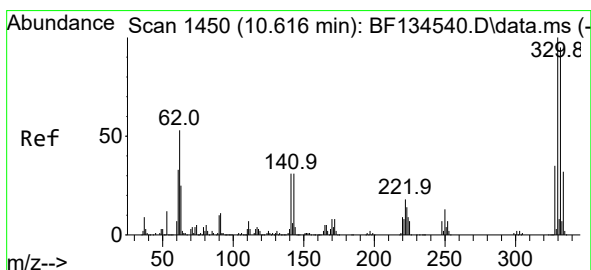
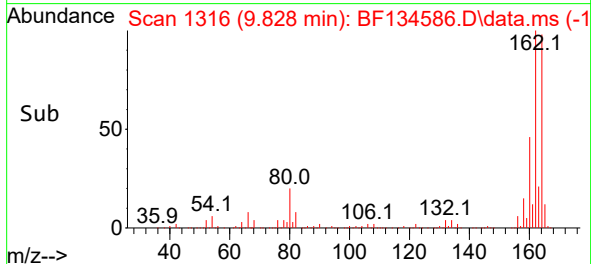
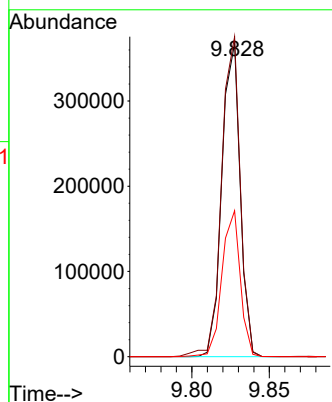
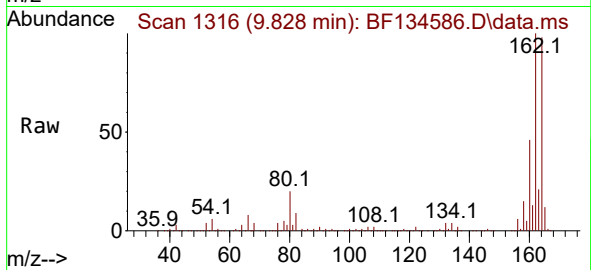




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

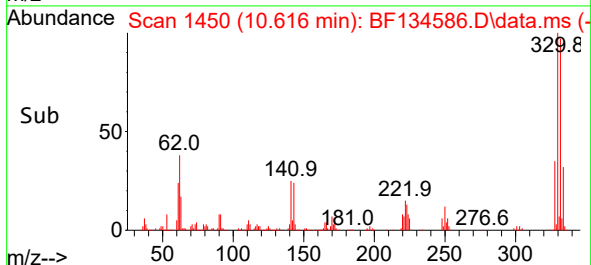
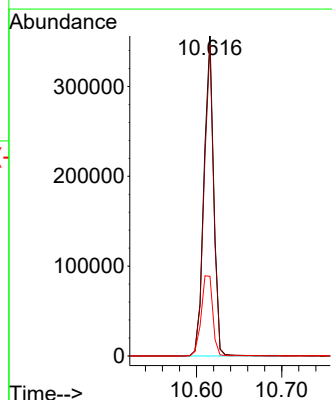
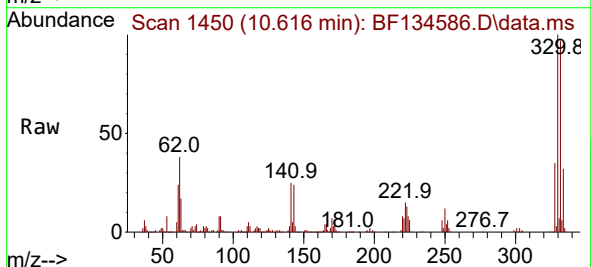
Instrument :
BNA_F
ClientSampleId :
342

Tgt Ion:164 Resp: 300983
Ion Ratio Lower Upper
164 100
162 102.2 82.6 123.8
160 46.6 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 91.751 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

Tgt Ion:330 Resp: 281515
Ion Ratio Lower Upper
330 100
332 96.4 78.8 118.2
141 29.8 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 76.359 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF134586.D

Acq: 02 Aug 2023 18:33

Instrument :

BNA_F

ClientSampleId :

342

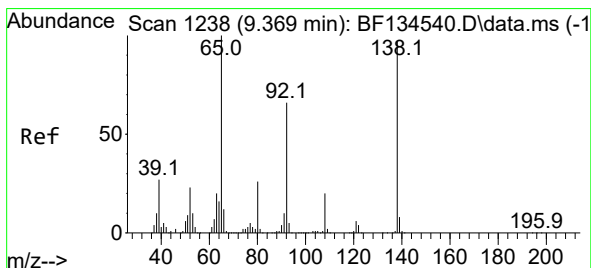
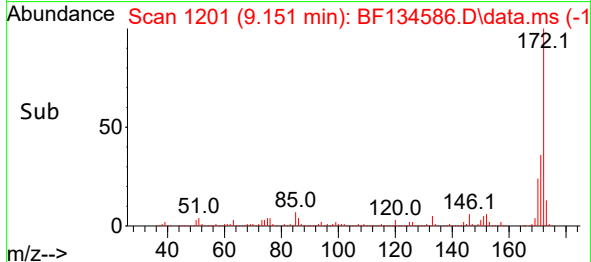
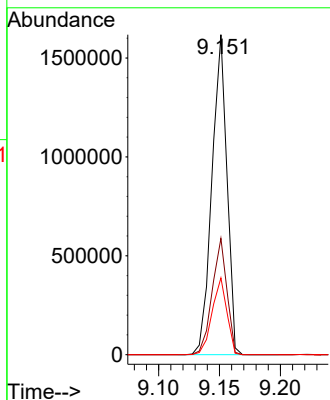
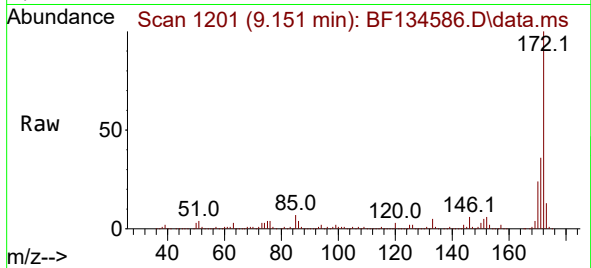
Tgt Ion:172 Resp: 1382254

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 24.0 18.7 28.1



#48

2-Nitroaniline

Concen: 4.412 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.100 min

Lab File: BF134586.D

Acq: 02 Aug 2023 18:33

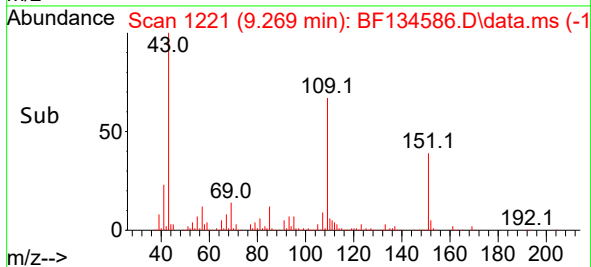
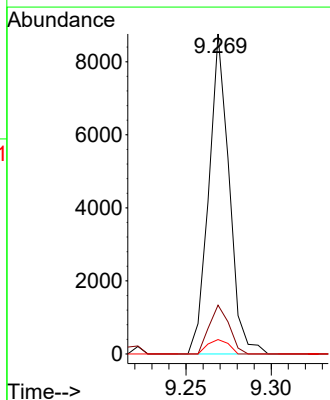
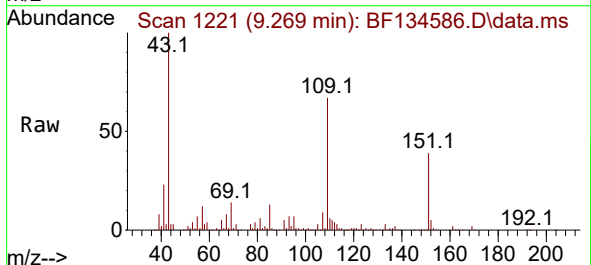
Tgt Ion: 65 Resp: 7296

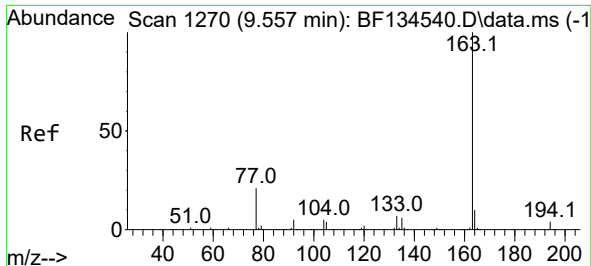
Ion Ratio Lower Upper

65 100

92 15.2 50.7 76.1#

138 4.5 78.2 117.4#

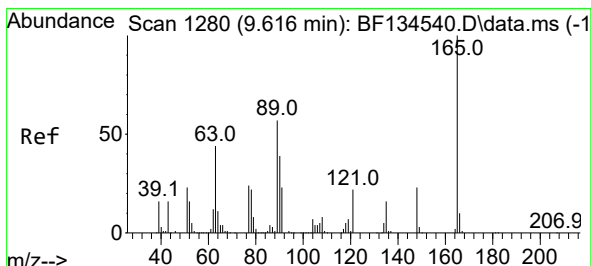
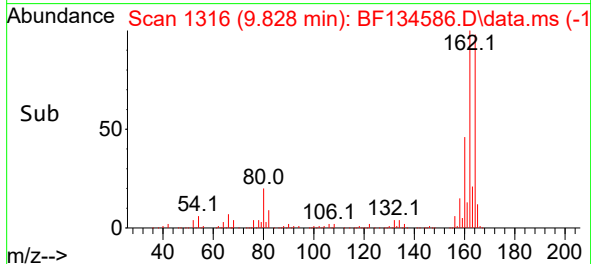
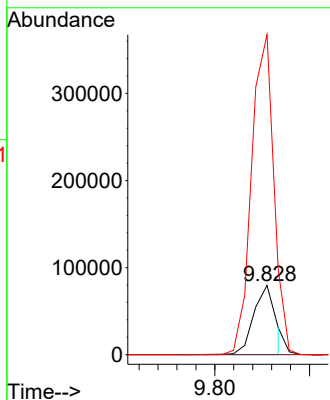
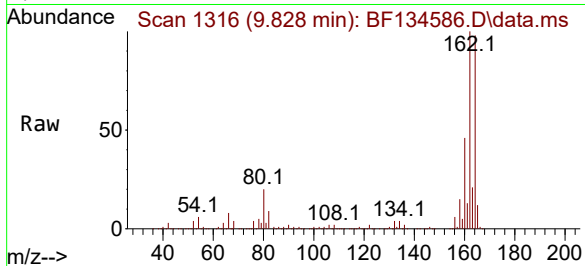




#50
Dimethylphthalate
Concen: 3.075 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.271 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

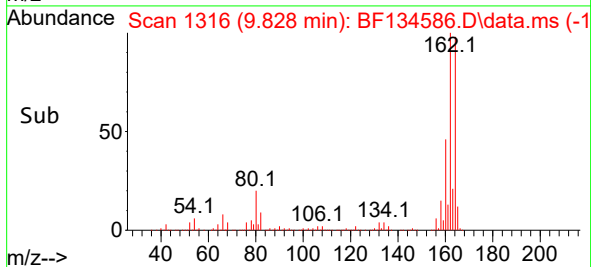
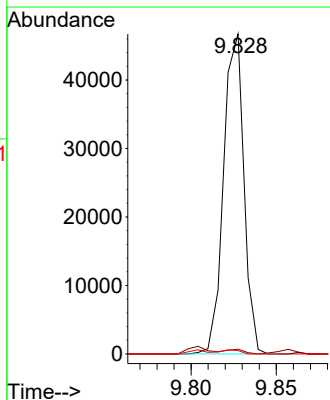
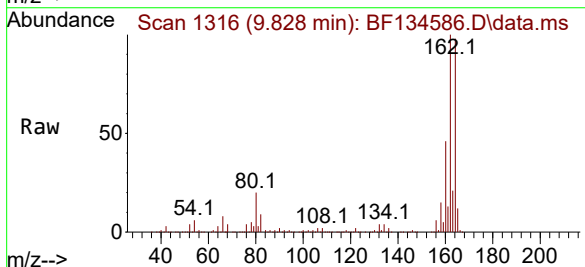
Instrument :
BNA_F
ClientSampleId :
342

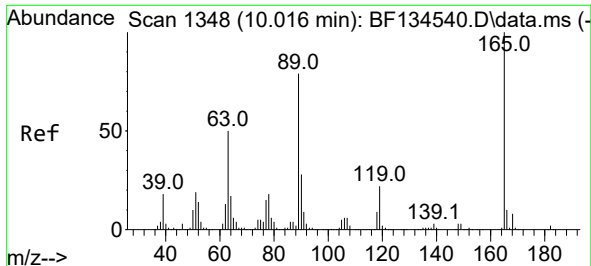
Tgt Ion:163 Resp: 63079
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 462.0 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.246 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

Tgt Ion:165 Resp: 38798
Ion Ratio Lower Upper
165 100
63 1.5 57.8 86.6#
89 1.1 51.8 77.8#

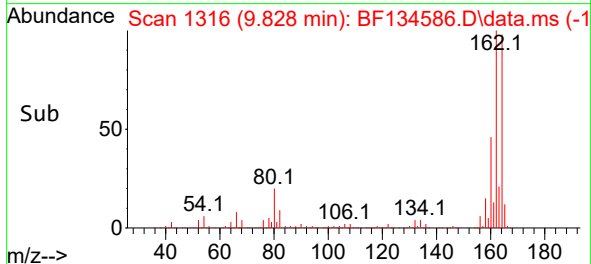
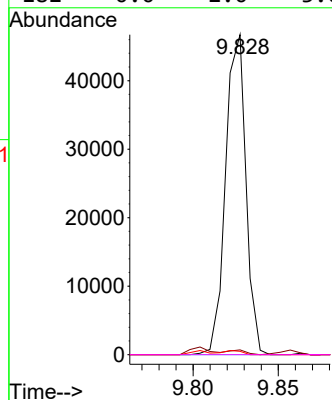
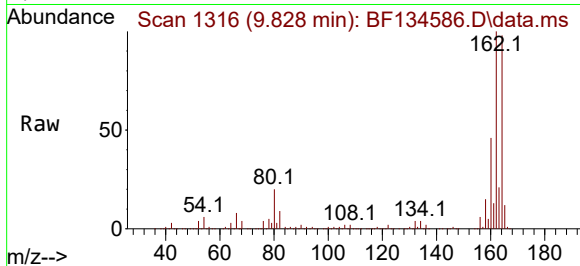




#57
2,4-Dinitrotoluene
Concen: 10.039 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

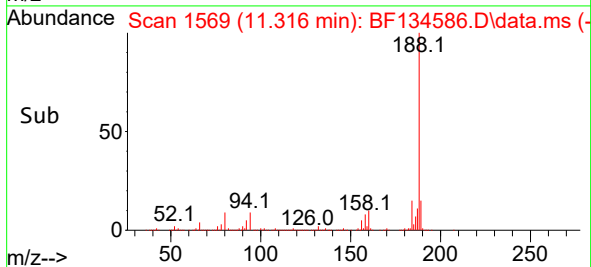
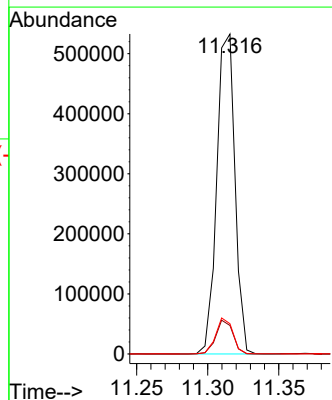
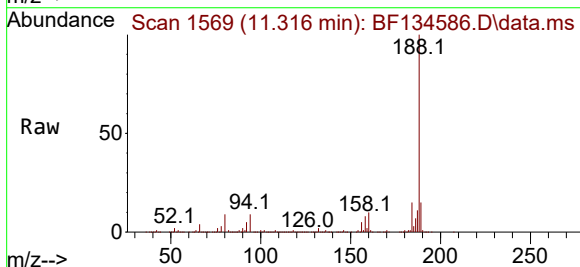
Instrument :
BNA_F
ClientSampleId :
342

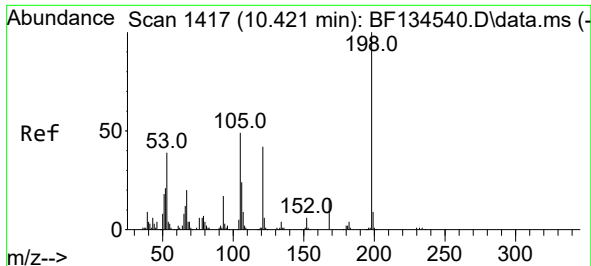
Tgt Ion:165 Resp: 38798
Ion Ratio Lower Upper
165 100
63 1.5 48.9 73.3#
89 1.1 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

Tgt Ion:188 Resp: 474848
Ion Ratio Lower Upper
188 100
94 8.9 5.1 7.7#
80 9.4 6.6 9.8

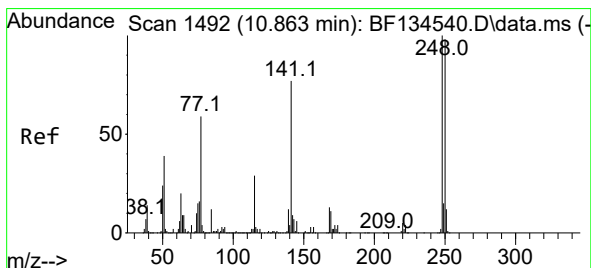
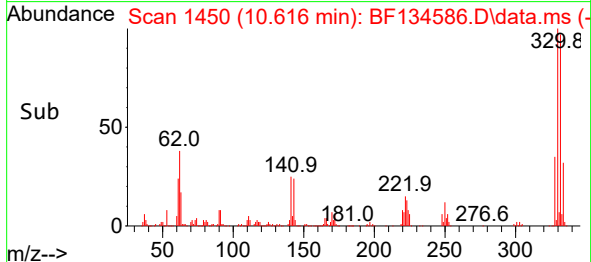
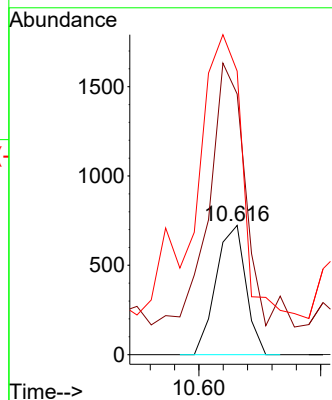
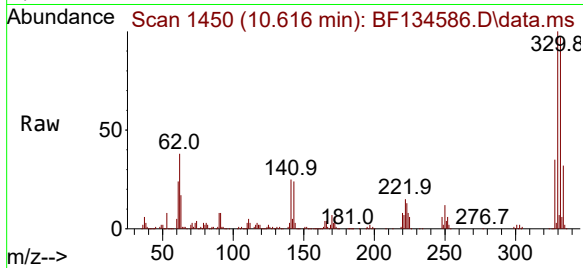




#65
4,6-Dinitro-2-methylphenol
Concen: 8.961 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.195 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

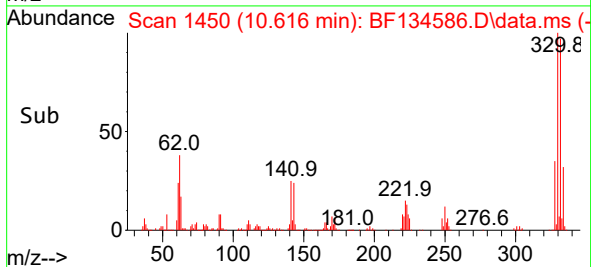
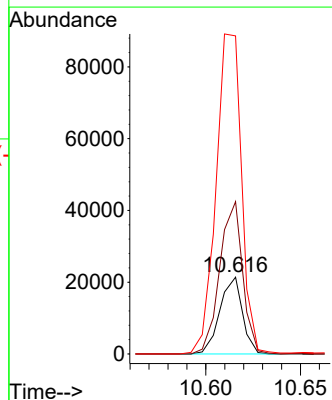
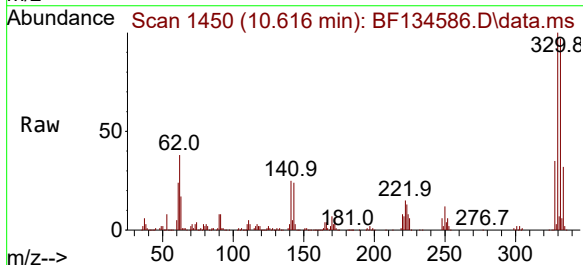
Instrument :
BNA_F
ClientSampleId :
342

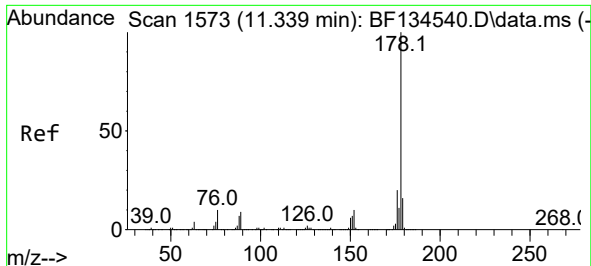
Tgt Ion:198 Resp: 615
Ion Ratio Lower Upper
198 100
51 201.8 38.6 78.6#
105 219.5 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 3.417 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

Tgt Ion:248 Resp: 17762
Ion Ratio Lower Upper
248 100
250 198.5 79.6 119.4#
141 414.6 59.6 89.4#

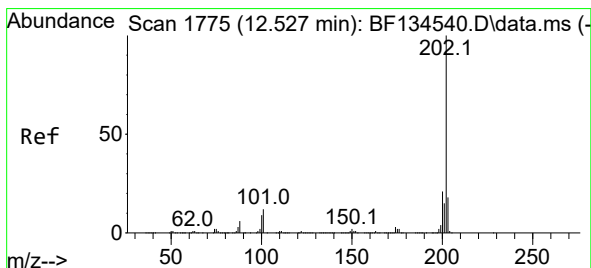
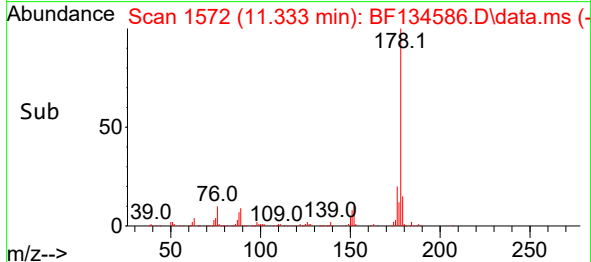
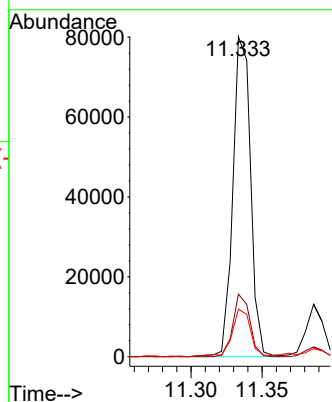
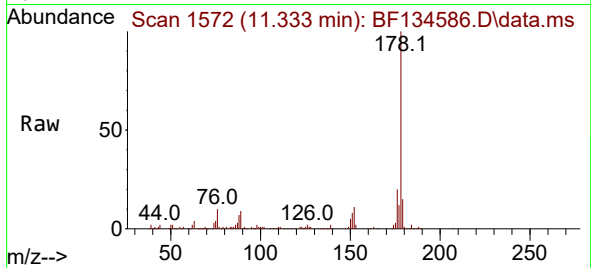




#71
Phenanthrene
Concen: 2.759 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

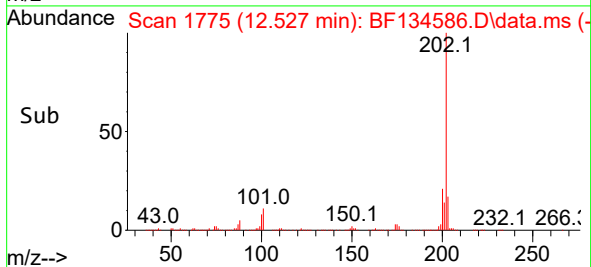
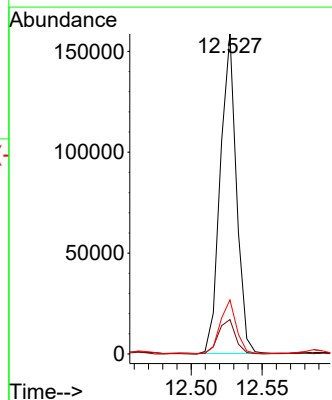
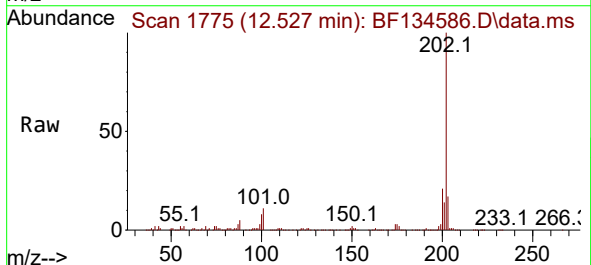
Instrument :
BNA_F
ClientSampleId :
342

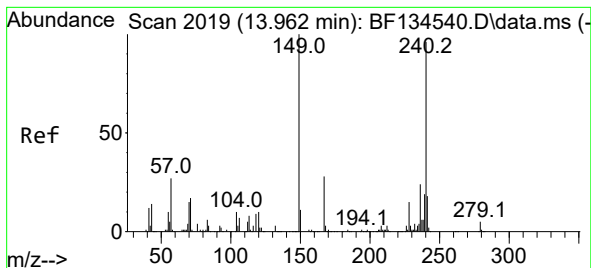
Tgt Ion:178 Resp: 69595
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 14.9 12.7 19.1



#75
Fluoranthene
Concen: 4.680 ng
RT: 12.527 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

Tgt Ion:202 Resp: 124689
Ion Ratio Lower Upper
202 100
101 10.8 0.0 28.5
203 16.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134586.D

Acq: 02 Aug 2023 18:33

Instrument :

BNA_F

ClientSampleId :

342

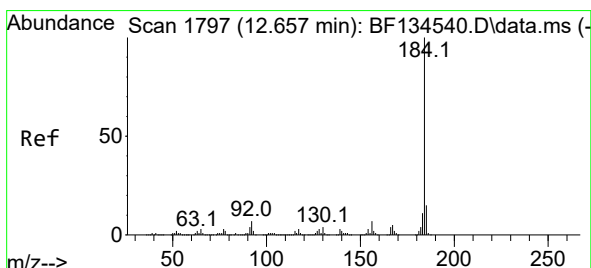
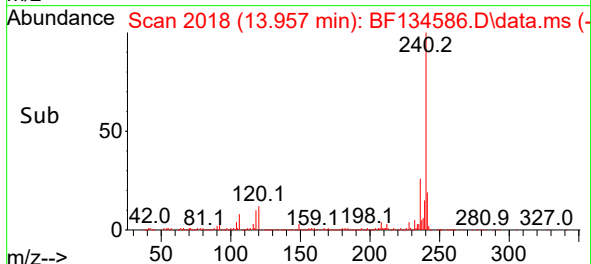
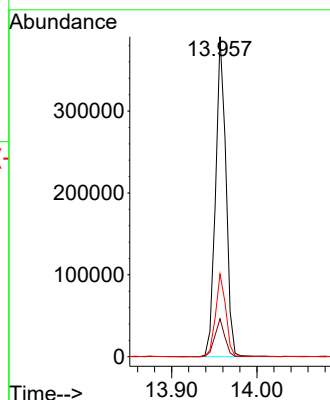
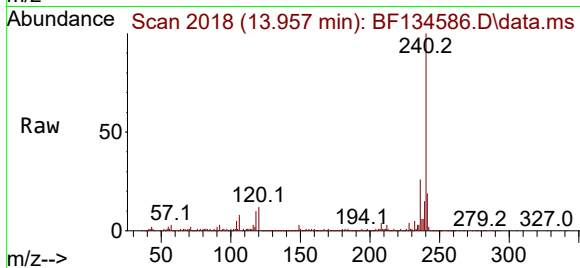
Tgt Ion:240 Resp: 331244

Ion Ratio Lower Upper

240 100

120 11.9 6.6 10.0#

236 25.8 20.2 30.2



#77

Benzidine

Concen: 2.151 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.253 min

Lab File: BF134586.D

Acq: 02 Aug 2023 18:33

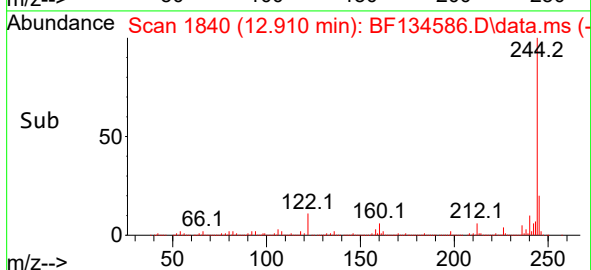
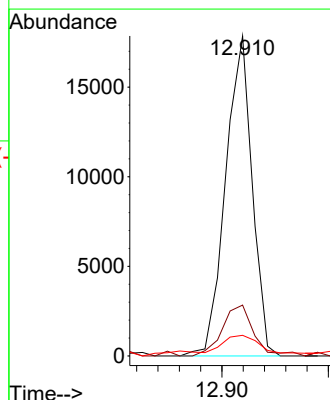
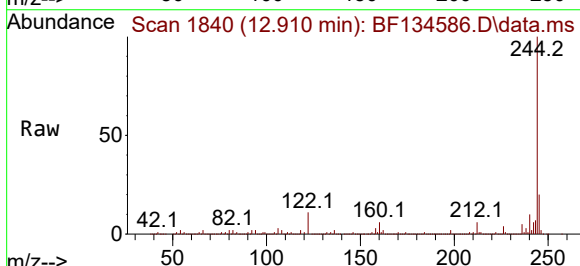
Tgt Ion:184 Resp: 15470

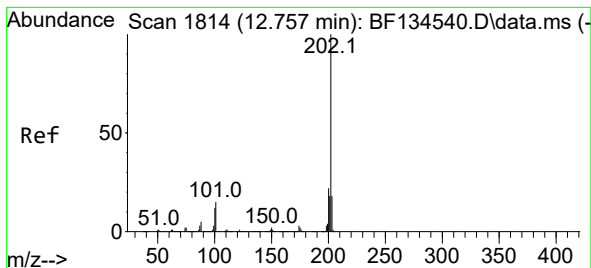
Ion Ratio Lower Upper

184 100

185 15.9 11.2 16.8

183 6.5 8.6 13.0#





#78

Pyrene

Concen: 4.120 ng

RT: 12.757 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134586.D

Acq: 02 Aug 2023 18:33

Instrument :

BNA_F

ClientSampleId :

342

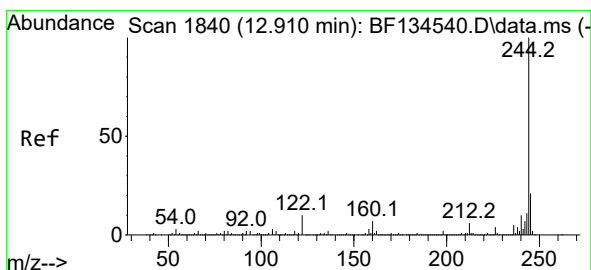
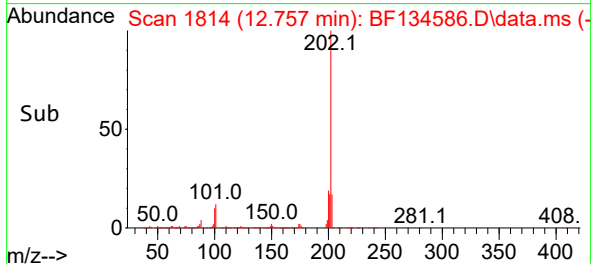
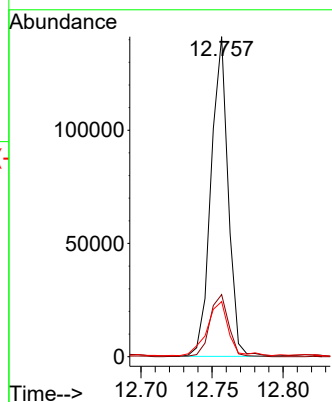
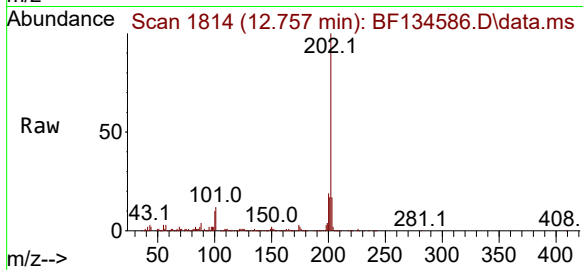
Tgt Ion:202 Resp: 118091

Ion Ratio Lower Upper

202 100

200 19.4 15.8 23.8

203 17.2 13.5 20.3



#79

Terphenyl-d14

Concen: 69.377 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF134586.D

Acq: 02 Aug 2023 18:33

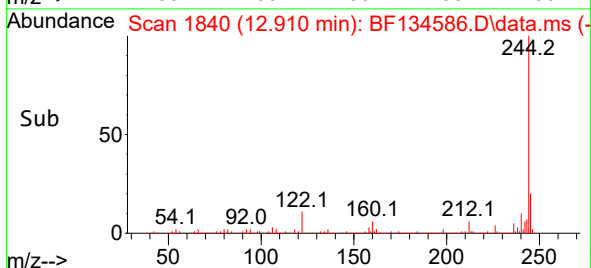
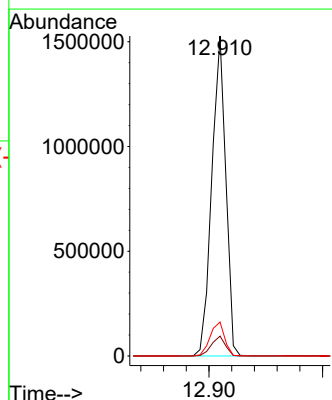
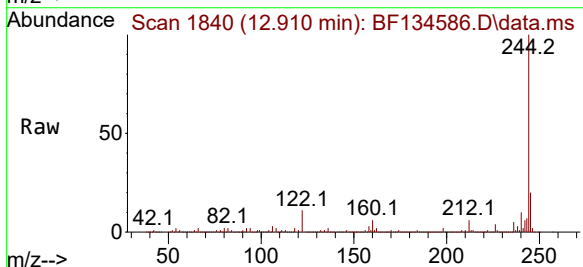
Tgt Ion:244 Resp: 1303608

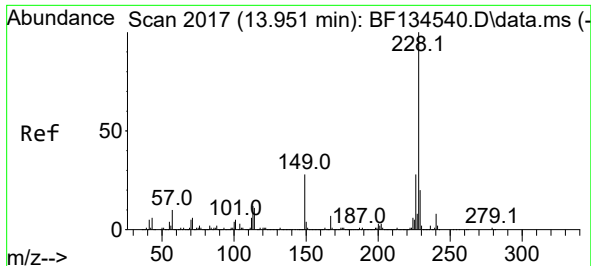
Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 10.6 8.0 12.0

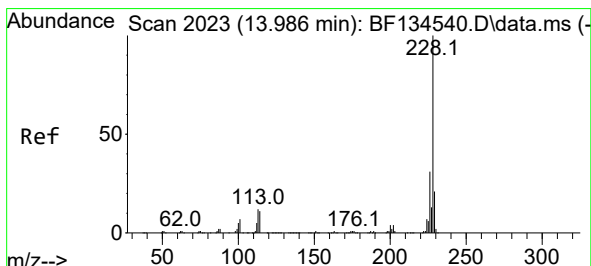
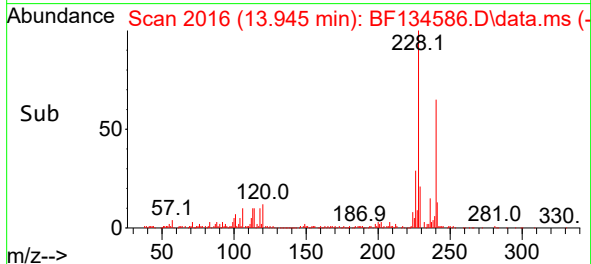
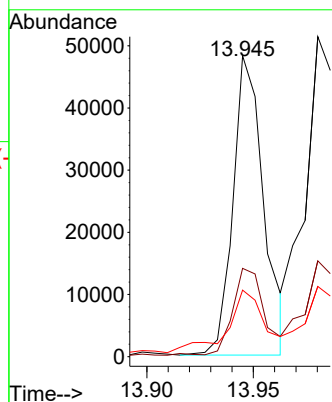
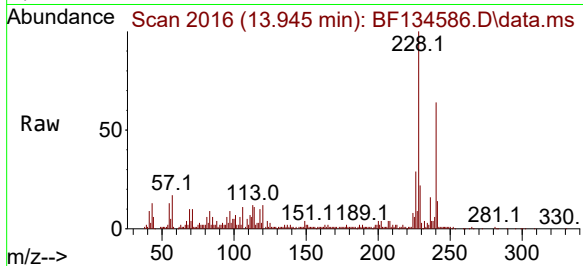




#81
Benzo(a)anthracene
Concen: 2.036 ng
RT: 13.945 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

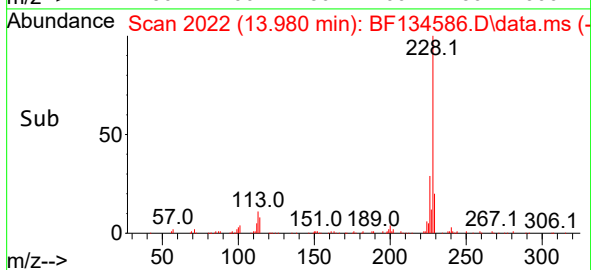
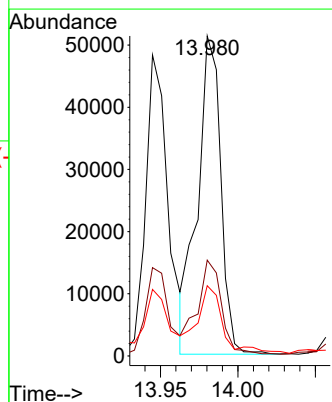
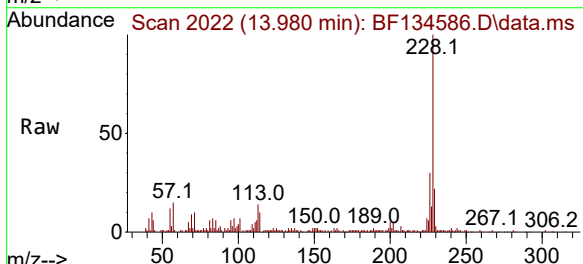
Instrument :
BNA_F
ClientSampleId :
342

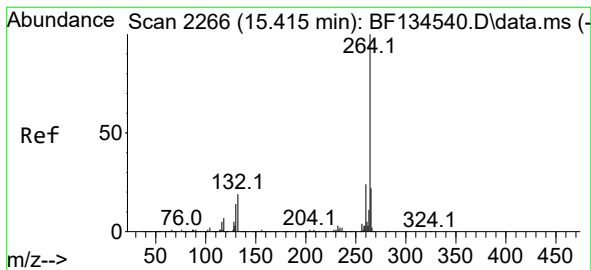
Tgt Ion:228 Resp: 48234
Ion Ratio Lower Upper
228 100
226 29.3 22.3 33.5
229 22.1 15.8 23.6



#83
Chrysene
Concen: 2.316 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF134586.D
Acq: 02 Aug 2023 18:33

Tgt Ion:228 Resp: 53435
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 21.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134586.D

Acq: 02 Aug 2023 18:33

Instrument :

BNA_F

ClientSampleId :

342

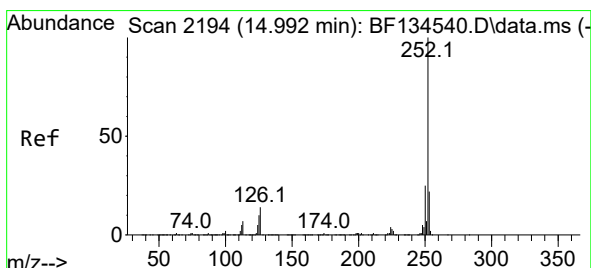
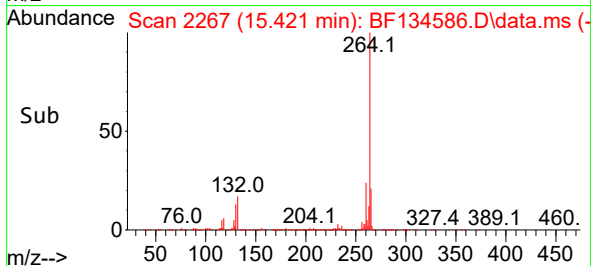
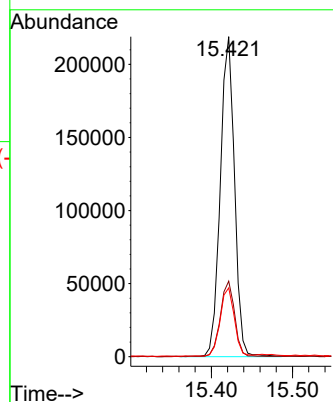
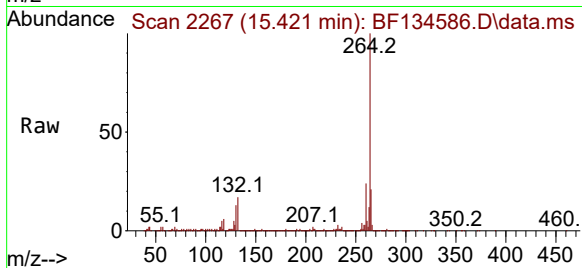
Tgt Ion:264 Resp: 267534

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.5 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 3.990 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BF134586.D

Acq: 02 Aug 2023 18:33

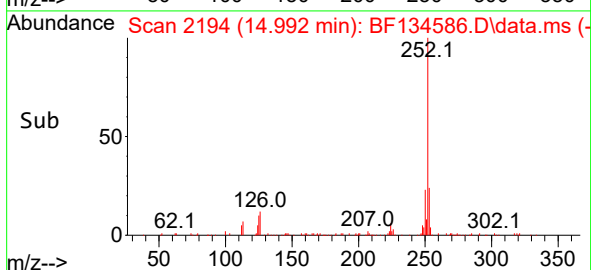
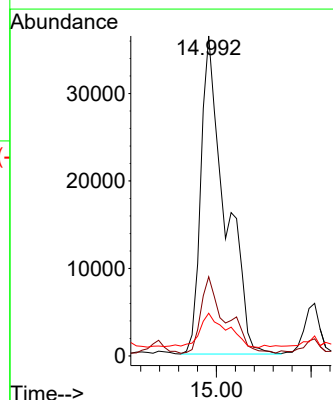
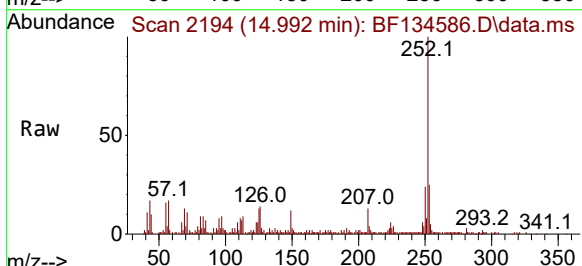
Tgt Ion:252 Resp: 65109

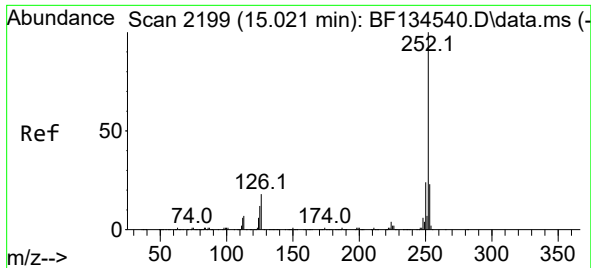
Ion Ratio Lower Upper

252 100

253 24.8 17.3 25.9

125 13.4 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 4.006 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134586.D

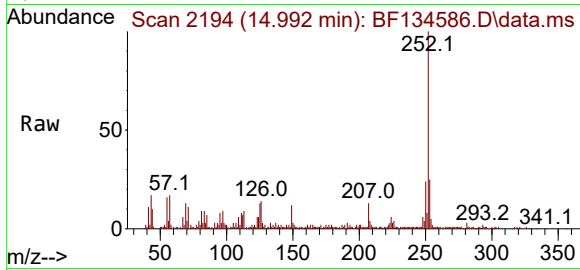
Acq: 02 Aug 2023 18:33

Instrument :

BNA_F

ClientSampleId :

342



Tgt Ion:252 Resp: 65109

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

125 13.4 6.3 9.5#

