

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
 Data File : BF134589.D
 Acq On : 02 Aug 2023 20:10
 Operator : CG\JU
 Sample : 03842-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 350

Quant Time: Aug 03 01:50:36 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)

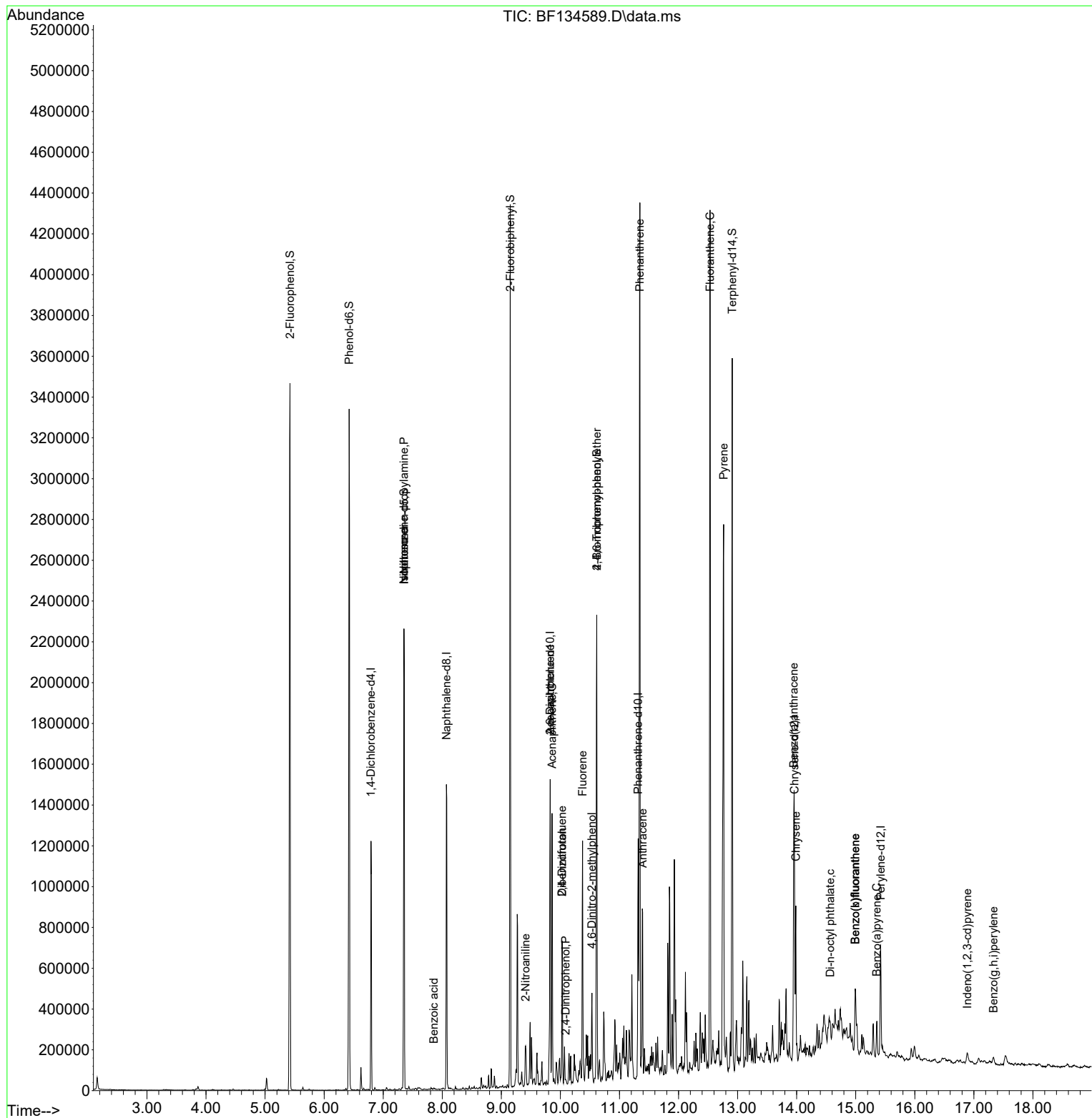
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	171543	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	645104	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	275019	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	436053	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	304764	20.000	ng	0.00
86) Perylene-d12	15.421	264	240339	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	973637	86.277	ng	0.00
7) Phenol-d6	6.422	99	1213824	84.143	ng	0.00
23) Nitrobenzene-d5	7.351	82	716363	69.396	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	224102	79.935	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1195874	72.299	ng	0.00
79) Terphenyl-d14	12.910	244	1123190	64.969	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.346	77	529	Below Cal	#	56
19) n-Nitroso-di-n-propyla...	7.351	70	99259	11.492	ng	# 74
25) Isophorone	7.351	82	716214	31.810	ng	# 65
32) Benzoic acid	7.857	122	76	7.877	ng	# 1
48) 2-Nitroaniline	9.410	65	1308	3.411	ng	# 30
51) 2,6-Dinitrotoluene	9.828	165	42855	13.074	ng	# 18
52) Acenaphthene	9.857	154	254182	15.571	ng	99
54) 2,4-Dinitrophenol	10.086	184	307	7.050	ng	# 80
55) Dibenzofuran	10.028	168	195169	8.399	ng	# 95
57) 2,4-Dinitrotoluene	10.028	165	1513	3.158	ng	# 1
58) Fluorene	10.375	166	287880	17.008	ng	96
65) 4,6-Dinitro-2-methylph...	10.534	198	265	8.822	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	14410	3.019	ng	# 1
71) Phenanthrene	11.345	178	1682636	72.648	ng	100
72) Anthracene	11.392	178	321005	13.568	ng	99
75) Fluoranthene	12.533	202	1703810	69.641	ng	96
78) Pyrene	12.763	202	1172096	44.445	ng	98
81) Benzo(a)anthracene	13.951	228	332332	15.250	ng	99
83) Chrysene	13.986	228	300713	14.164	ng	96
85) Di-n-octyl phthalate	14.569	149	63906	4.005	ng	# 47
87) Indeno(1,2,3-cd)pyrene	16.886	276	35605	2.519	ng	# 92
88) Benzo(b)fluoranthene	14.992	252	221748	15.128	ng	# 95
89) Benzo(k)fluoranthene	14.992	252	221748	15.186	ng	# 97
90) Benzo(a)pyrene	15.357	252	84570	6.188	ng	# 95
92) Benzo(g,h,i)perylene	17.333	276	31470	2.701	ng	# 92

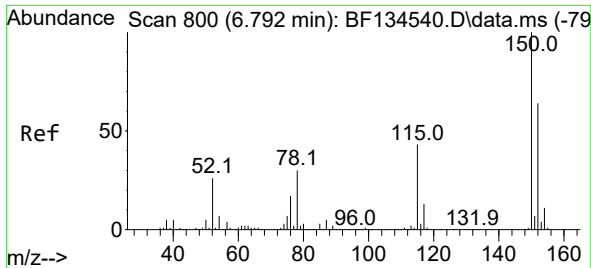
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 02 02:20:34 2023
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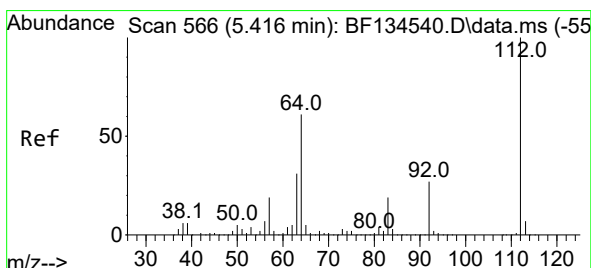
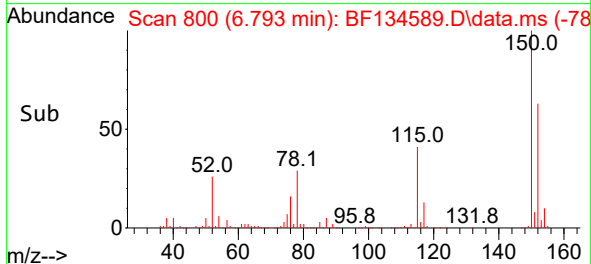
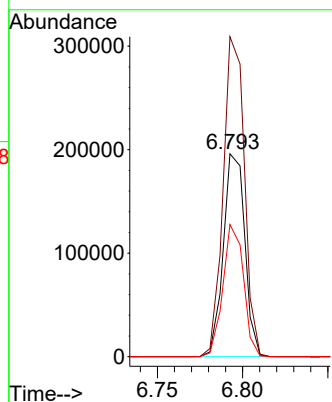
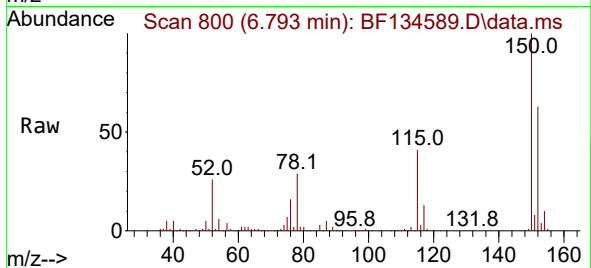




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: BF134589.D
 Acq: 02 Aug 2023 20:10

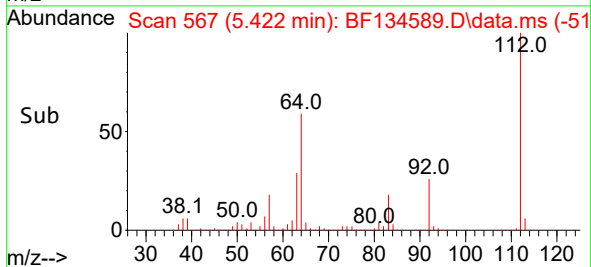
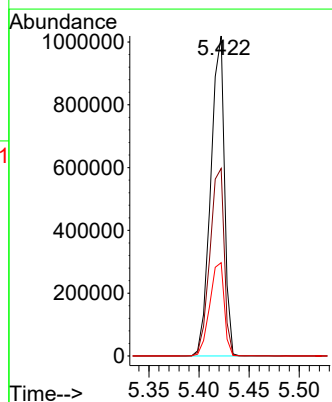
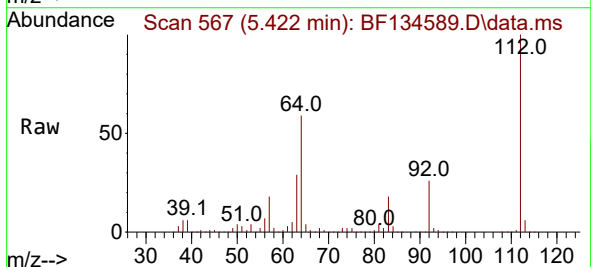
Instrument :
 BNA_F
 ClientSampleId :
 350

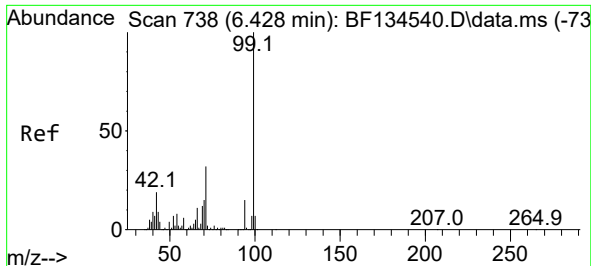
Tgt Ion:152 Resp: 171543
 Ion Ratio Lower Upper
 152 100
 150 157.7 128.3 192.5
 115 65.1 52.4 78.6



#5
 2-Fluorophenol
 Concen: 86.277 ng
 RT: 5.422 min Scan# 567
 Delta R.T. 0.006 min
 Lab File: BF134589.D
 Acq: 02 Aug 2023 20:10

Tgt Ion:112 Resp: 973637
 Ion Ratio Lower Upper
 112 100
 64 58.6 44.9 67.3
 63 29.2 25.4 38.0

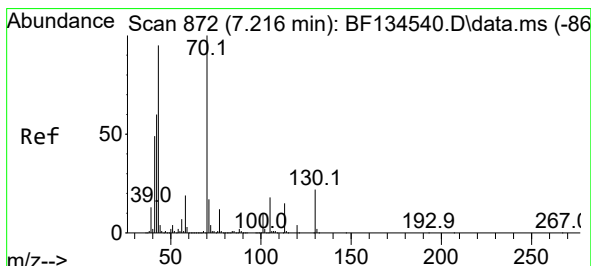
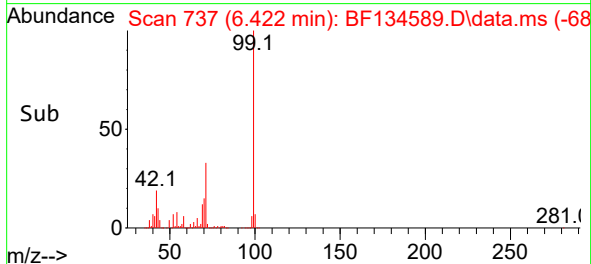
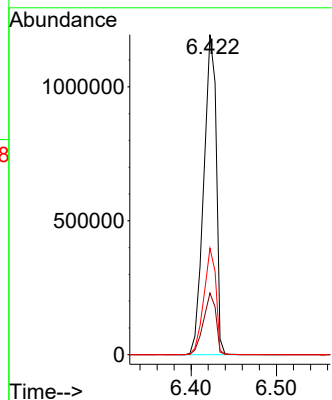
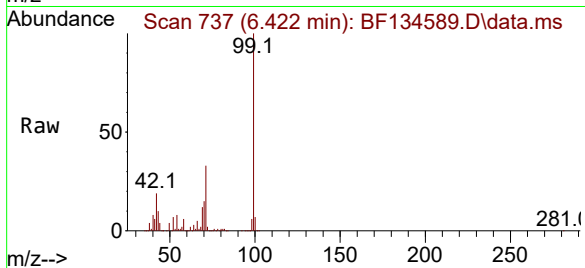




#7
Phenol-d6
Concen: 84.143 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

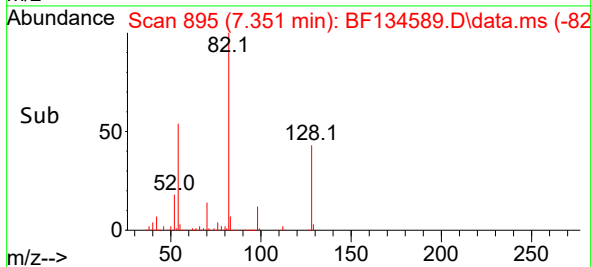
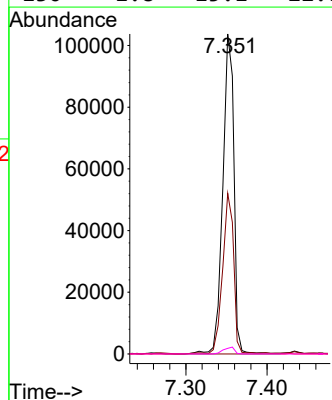
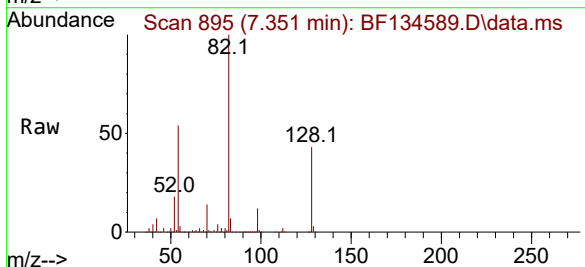
Instrument :
BNA_F
ClientSampleId :
350

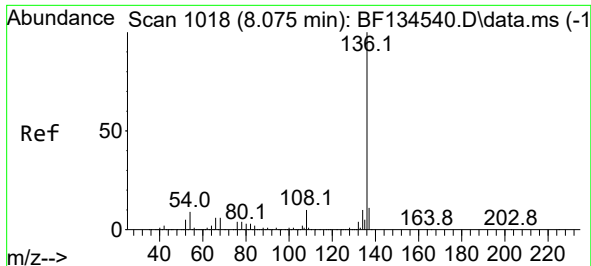
Tgt Ion: 99 Resp: 1213824
Ion Ratio Lower Upper
99 100
42 19.2 18.7 28.1
71 33.3 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 11.492 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.136 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion: 70 Resp: 99259
Ion Ratio Lower Upper
70 100
42 50.2 54.7 82.1#
101 0.0 8.2 12.2#
130 1.8 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

Tgt Ion:136 Resp: 645104

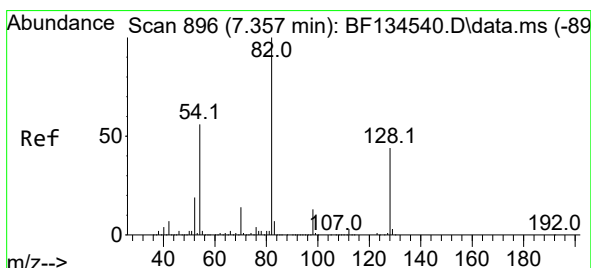
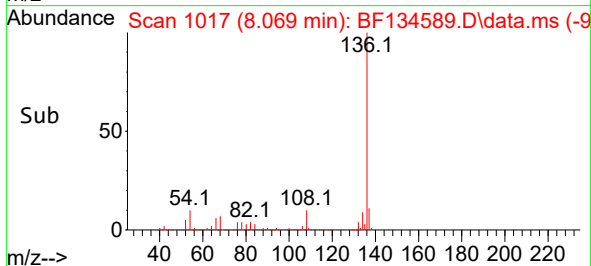
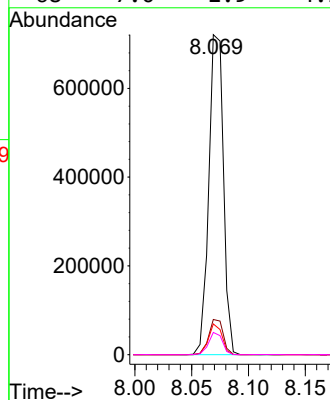
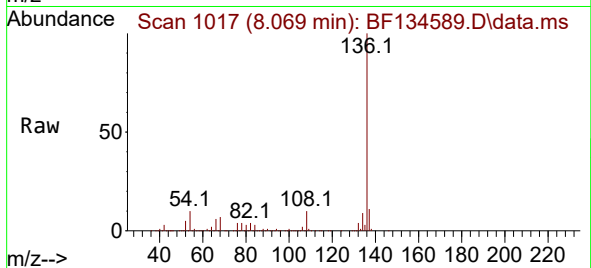
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 9.6 5.2 7.8#

68 7.0 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 69.396 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

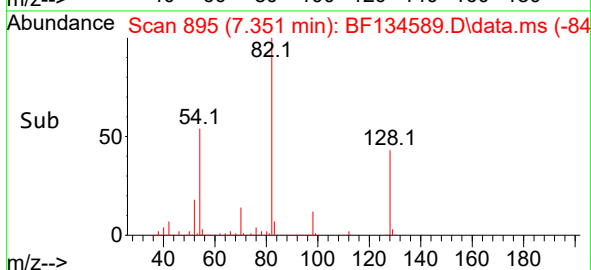
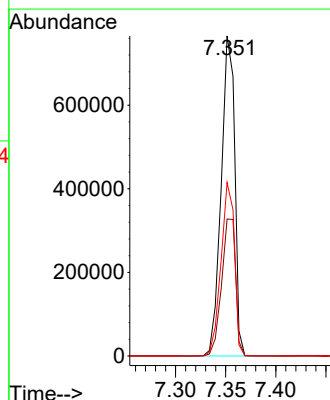
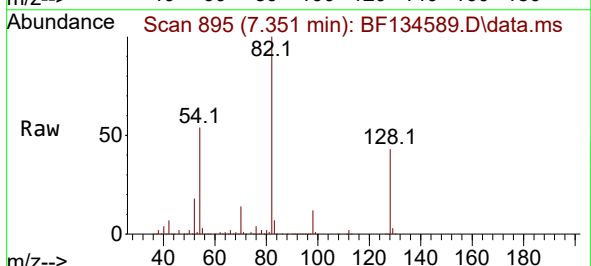
Tgt Ion: 82 Resp: 716363

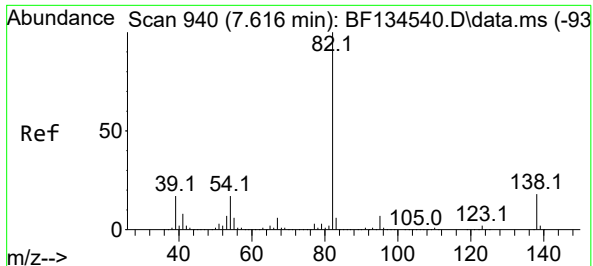
Ion Ratio Lower Upper

82 100

128 42.8 34.3 51.5

54 54.2 43.8 65.6

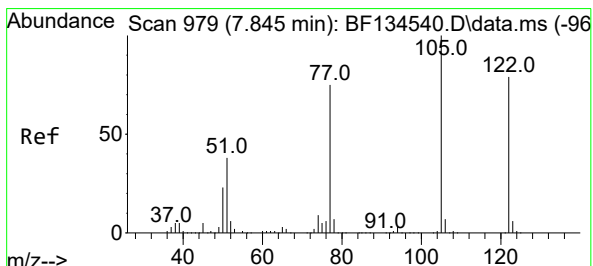
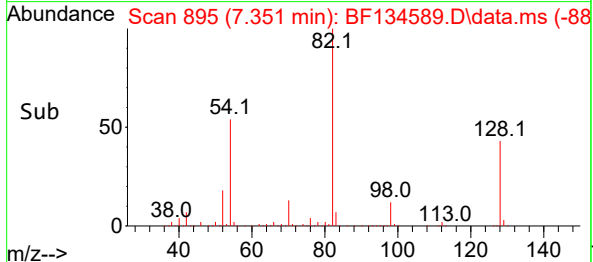
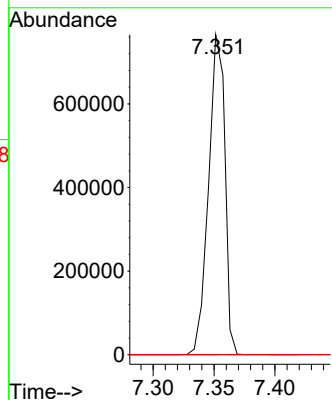
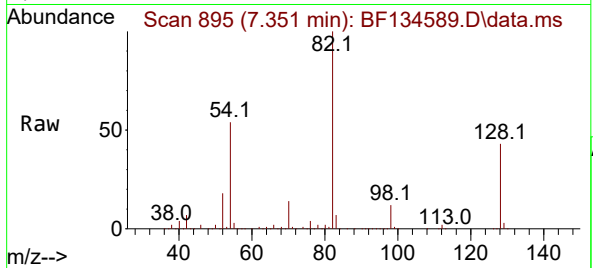




#25
Isophorone
Concen: 31.810 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.264 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

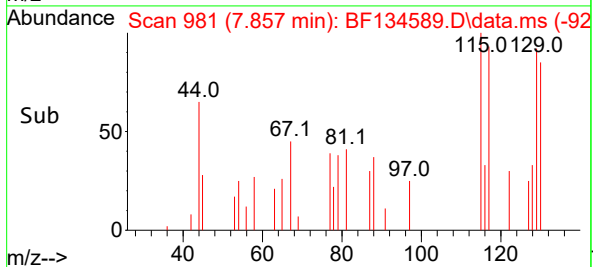
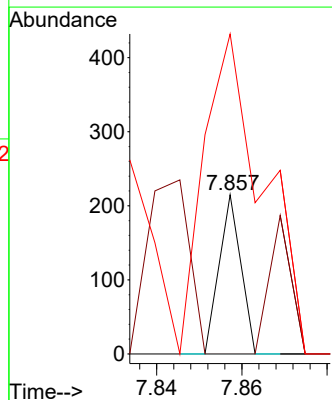
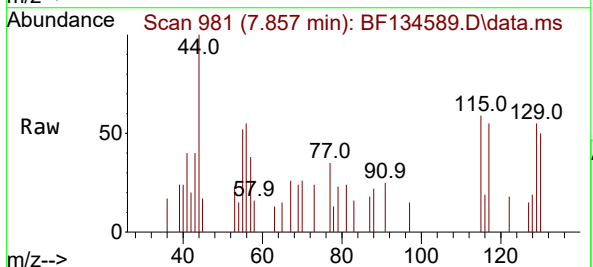
Instrument :
BNA_F
ClientSampleId :
350

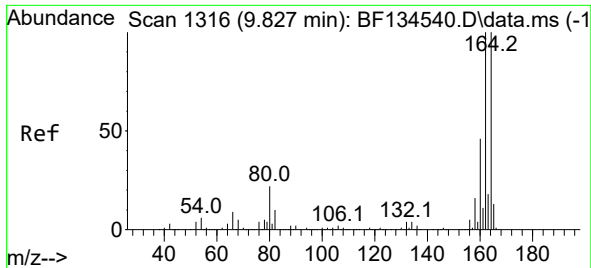
Tgt Ion: 82 Resp: 716214
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.877 ng
RT: 7.857 min Scan# 981
Delta R.T. 0.012 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion: 122 Resp: 76
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 200.9 71.4 111.4#

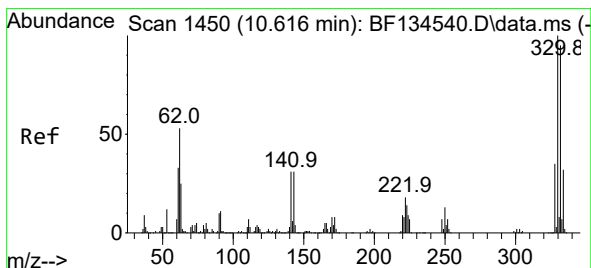
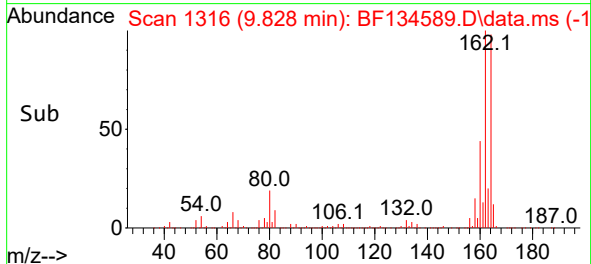
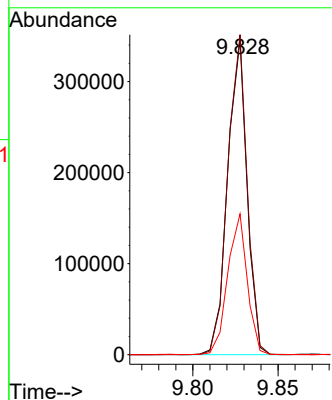
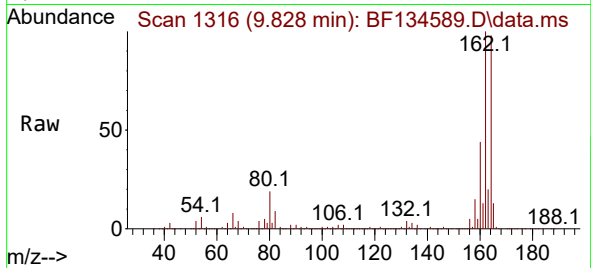




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

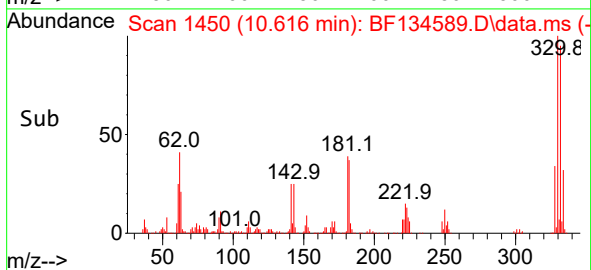
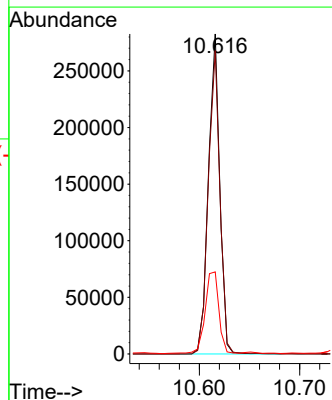
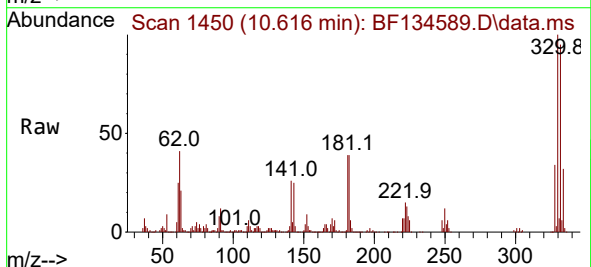
Instrument :
BNA_F
ClientSampleId :
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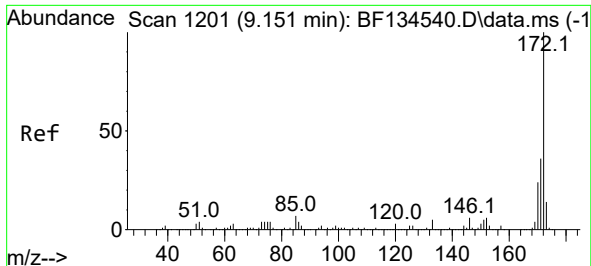
Tgt Ion:164 Resp: 275019
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 44.8 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 79.935 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion:330 Resp: 224102
Ion Ratio Lower Upper
330 100
332 97.0 78.8 118.2
141 31.1 25.4 38.2

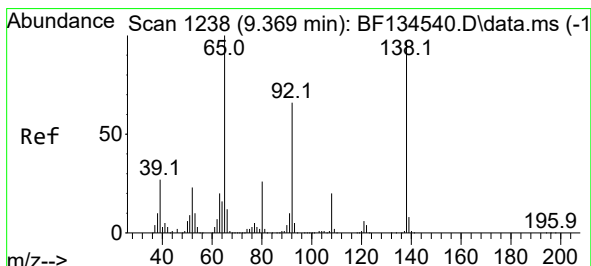
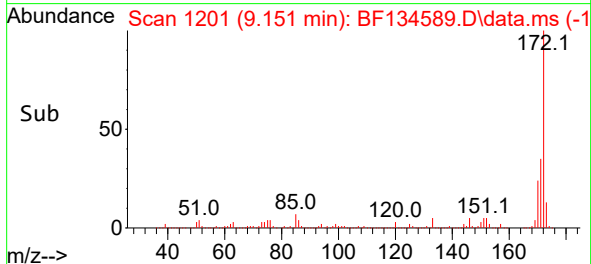
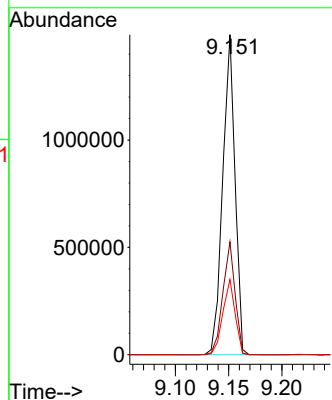
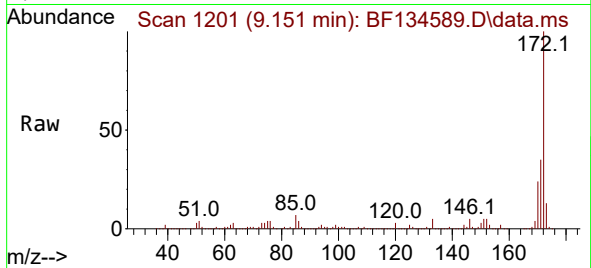




#45
2-Fluorobiphenyl
Concen: 72.299 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

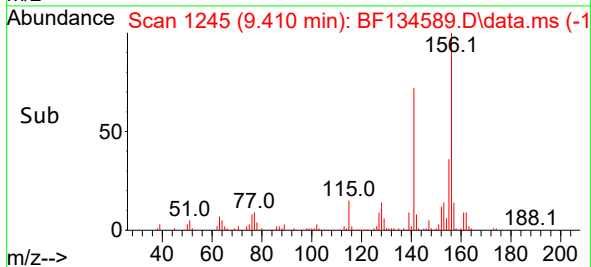
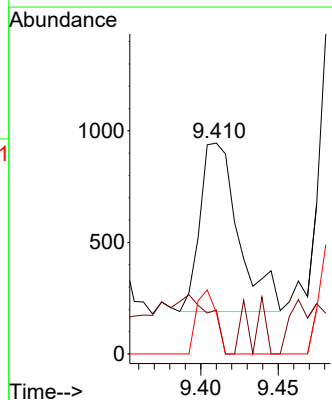
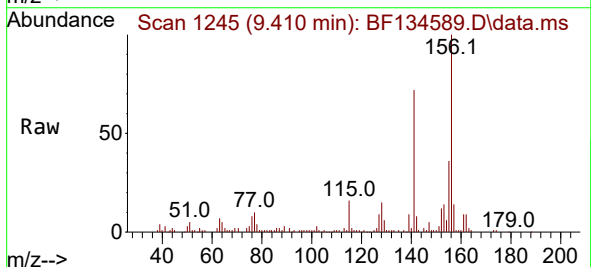
Instrument :
BNA_F
ClientSampleId :
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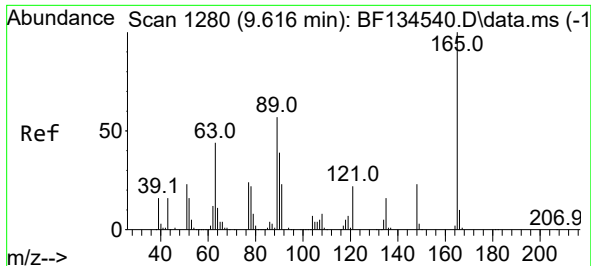
Tgt Ion:172 Resp: 1195874
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.5 18.7 28.1



#48
2-Nitroaniline
Concen: 3.411 ng
RT: 9.410 min Scan# 1245
Delta R.T. 0.041 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion: 65 Resp: 1308
Ion Ratio Lower Upper
65 100
92 20.8 50.7 76.1#
138 19.6 78.2 117.4#

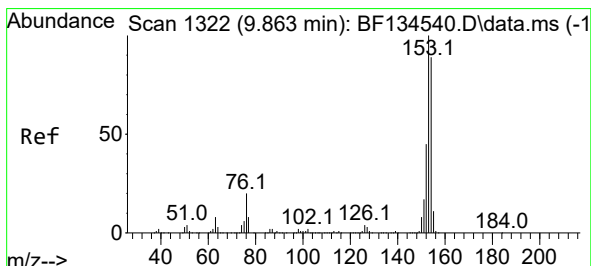
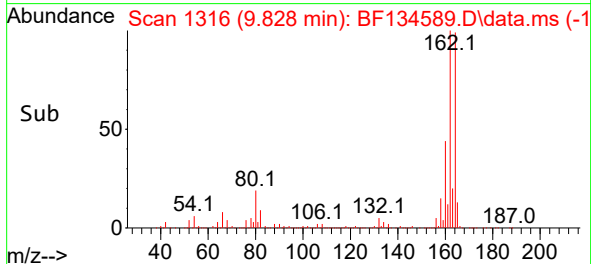
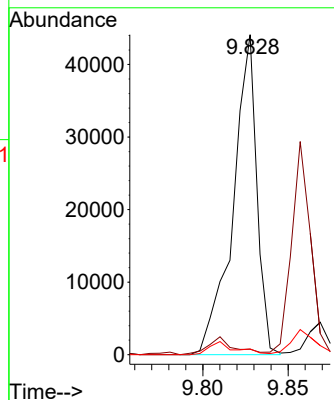
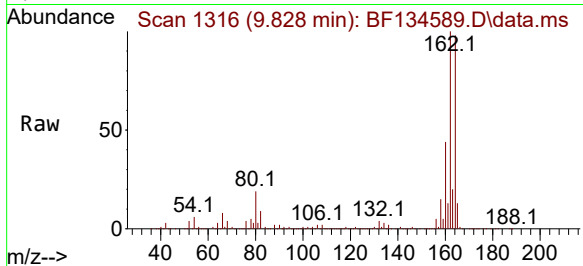




#51
2,6-Dinitrotoluene
Concen: 13.074 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

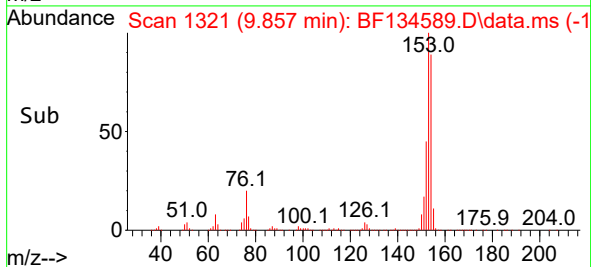
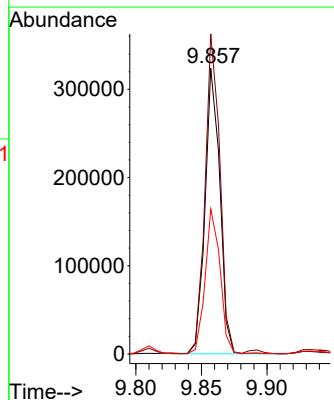
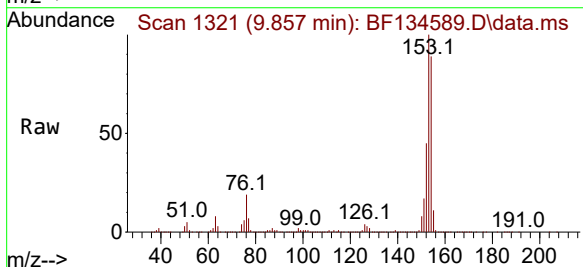
Instrument :
BNA_F
ClientSampleId :
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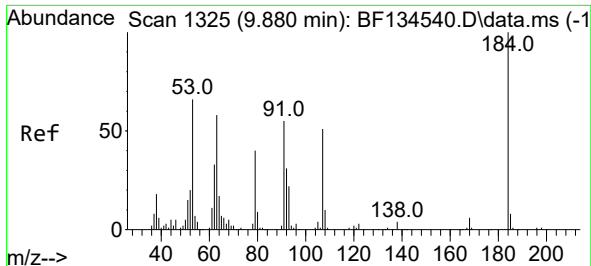
Tgt Ion:165 Resp: 42855
Ion Ratio Lower Upper
165 100
63 1.7 57.8 86.6#
89 1.8 51.8 77.8#



#52
Acenaphthene
Concen: 15.571 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion:154 Resp: 254182
Ion Ratio Lower Upper
154 100
153 112.0 90.0 135.0
152 50.8 42.4 63.6

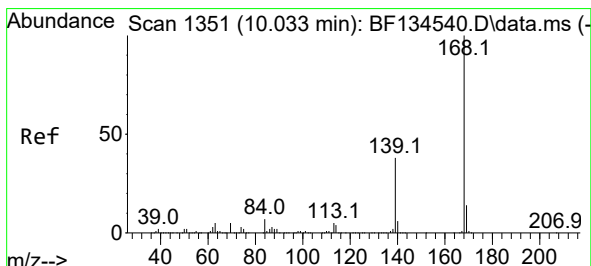
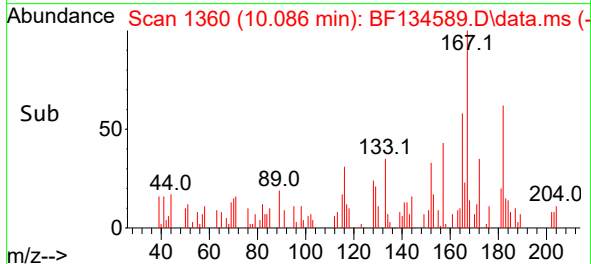
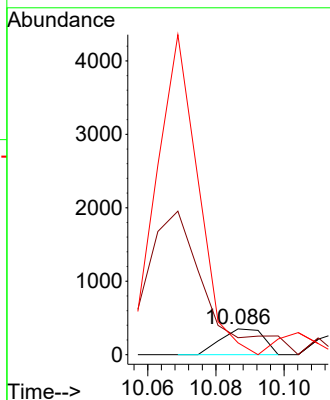
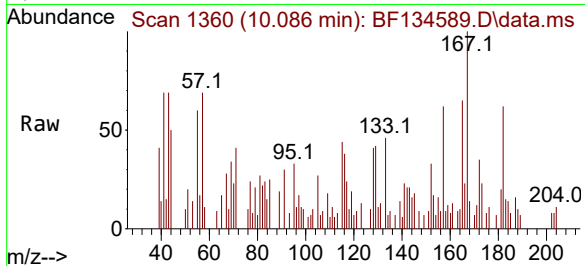




#54
2,4-Dinitrophenol
Concen: 7.050 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.206 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

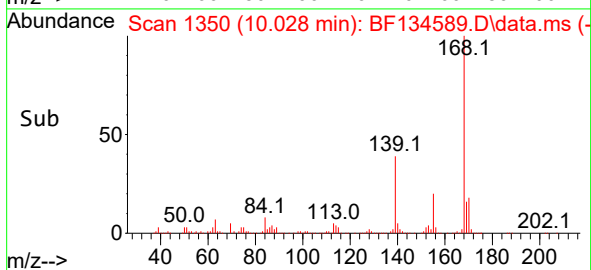
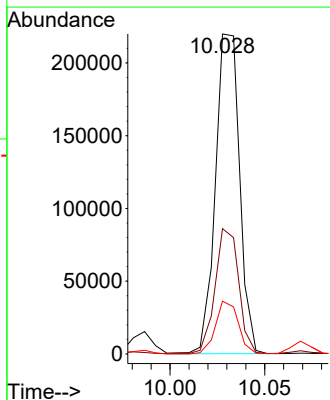
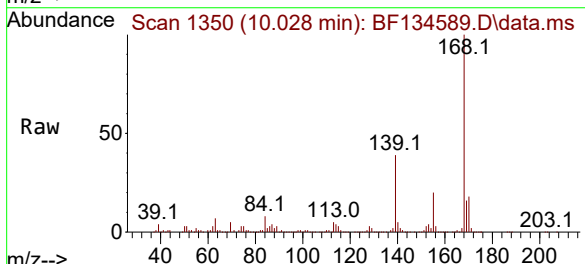
Instrument :
BNA_F
ClientSampleId :
350

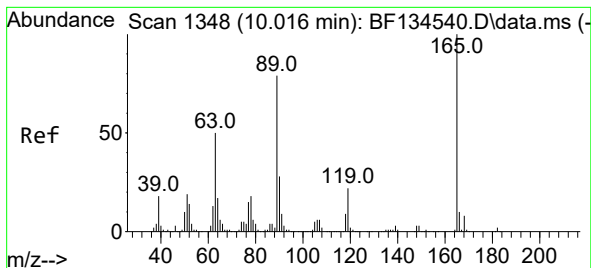
Tgt Ion:184 Resp: 307
Ion Ratio Lower Upper
184 100
63 65.8 57.1 85.7
154 46.2 59.1 88.7#



#55
Dibenzofuran
Concen: 8.399 ng
RT: 10.028 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion:168 Resp: 195169
Ion Ratio Lower Upper
168 100
139 39.1 33.4 50.2
169 16.5 10.6 15.8#

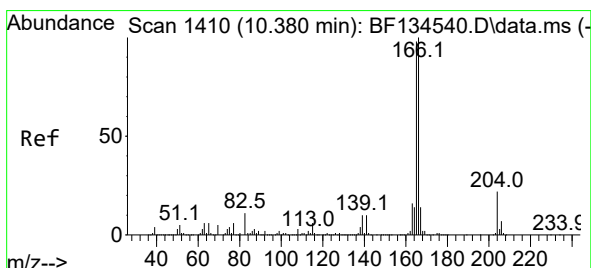
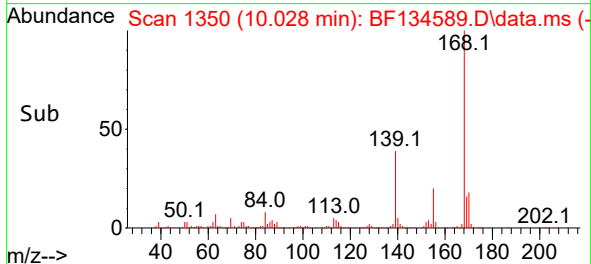
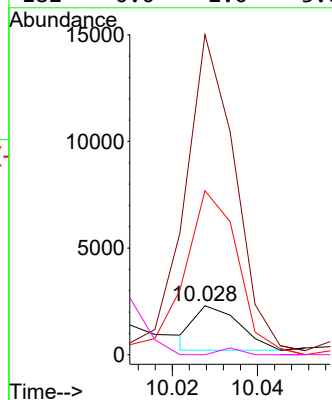
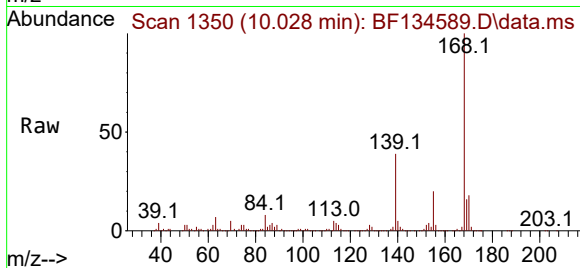




#57
2,4-Dinitrotoluene
Concen: 3.158 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

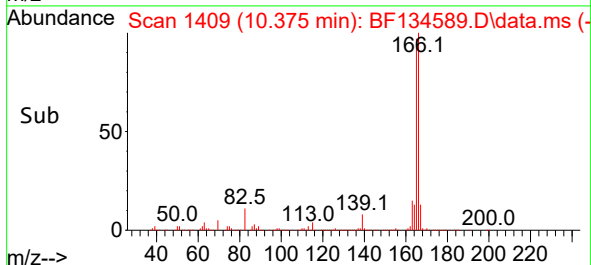
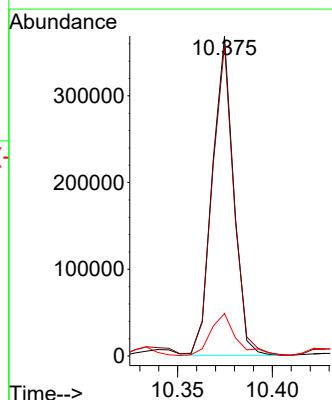
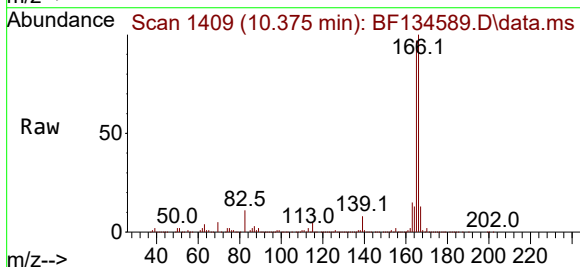
Instrument :
BNA_F
ClientSampleId :
350

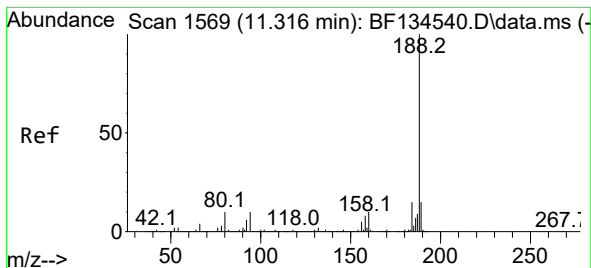
Tgt Ion:165 Resp: 1513
Ion Ratio Lower Upper
165 100
63 653.6 48.9 73.3#
89 334.9 61.7 92.5#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 17.008 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.005 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion:166 Resp: 287880
Ion Ratio Lower Upper
166 100
165 97.4 74.5 111.7
167 13.3 10.6 16.0

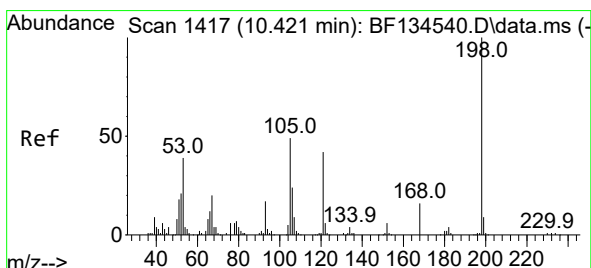
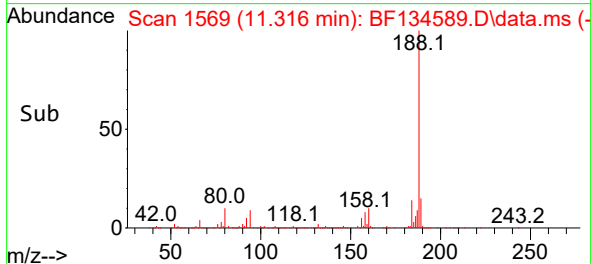
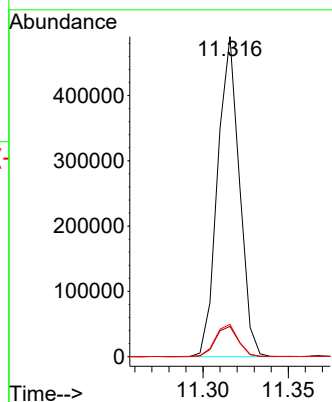
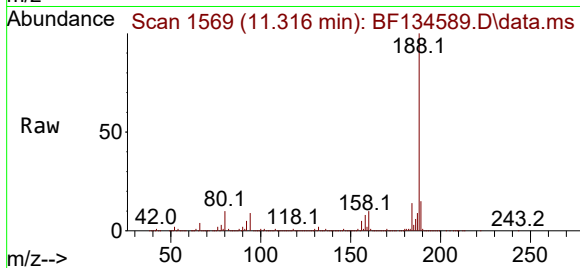




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

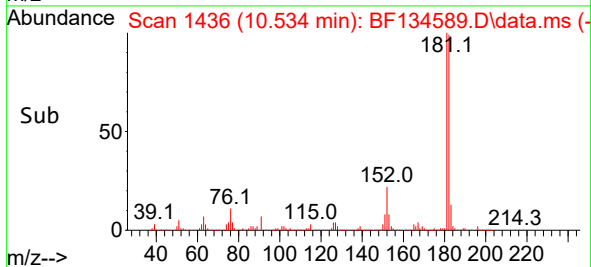
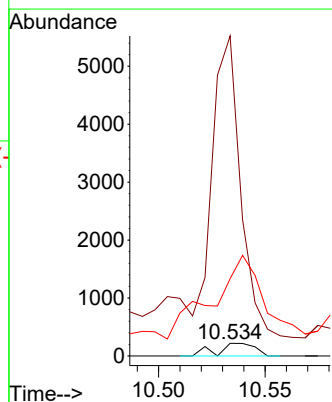
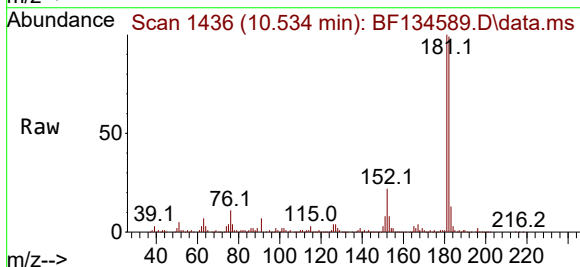
Instrument :
BNA_F
ClientSampleId :
350

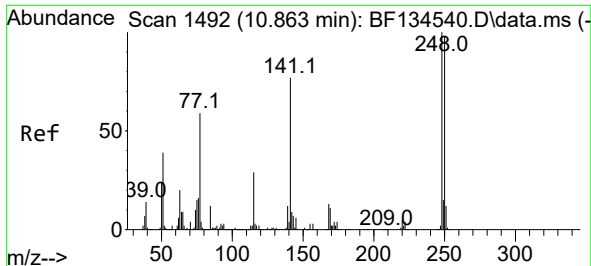
Tgt Ion:188 Resp: 436053
Ion Ratio Lower Upper
188 100
94 9.4 5.1 7.7#
80 10.1 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.822 ng
RT: 10.534 min Scan# 1436
Delta R.T. 0.113 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion:198 Resp: 265
Ion Ratio Lower Upper
198 100
51 2545.2 38.6 78.6#
105 614.7 27.9 67.9#





#67

4-Bromophenyl-phenylether

Concen: 3.019 ng

RT: 10.616 min Scan# 1492

Delta R.T. -0.247 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

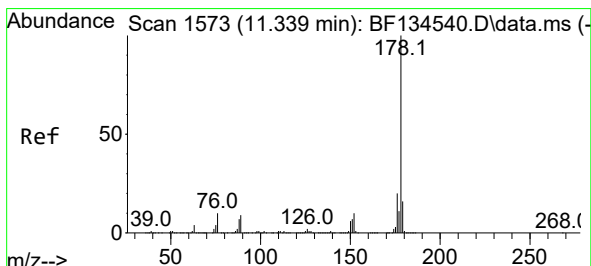
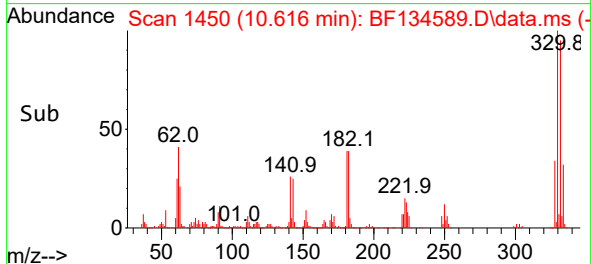
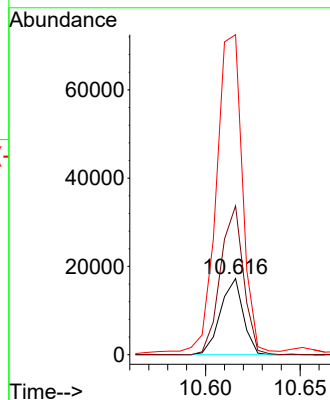
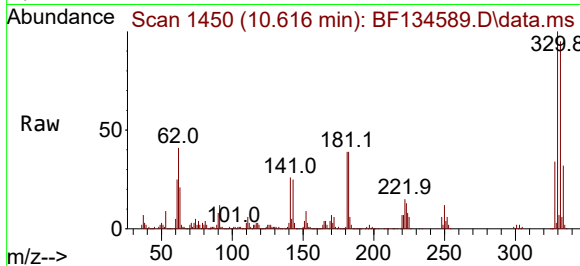
Tgt Ion:248 Resp: 14410

Ion Ratio Lower Upper

248 100

250 195.3 79.6 119.4#

141 420.0 59.6 89.4#



#71

Phenanthrene

Concen: 72.648 ng

RT: 11.345 min Scan# 1574

Delta R.T. 0.006 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

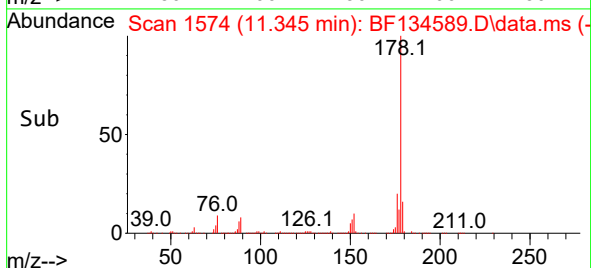
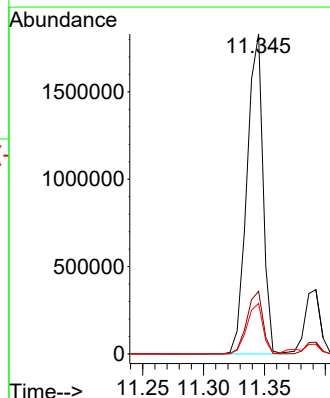
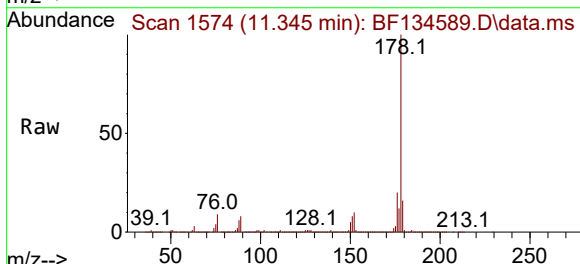
Tgt Ion:178 Resp: 1682636

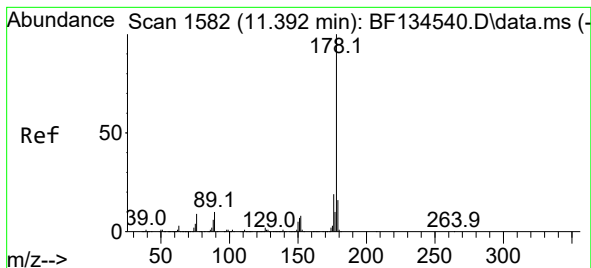
Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

179 15.8 12.7 19.1





#72

Anthracene

Concen: 13.568 ng

RT: 11.392 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

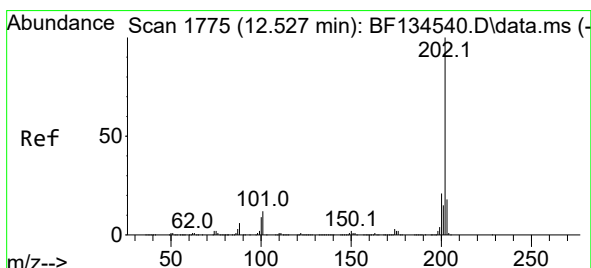
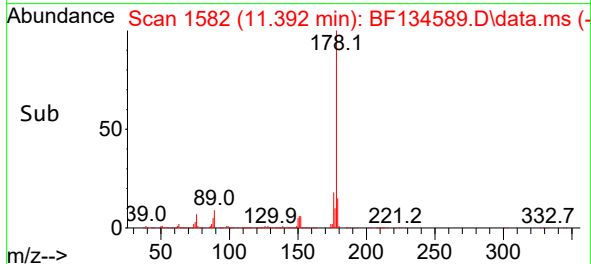
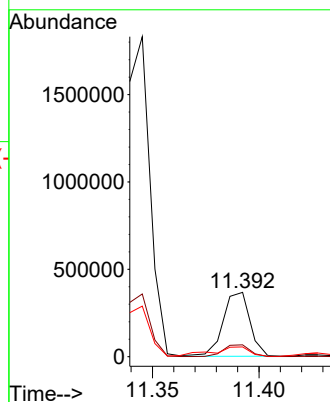
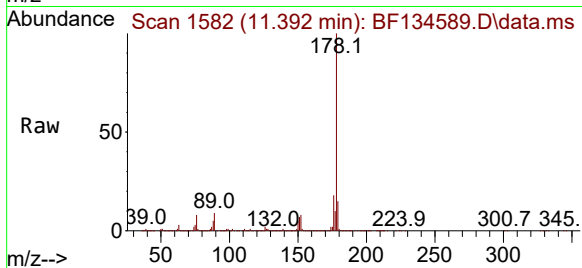
Tgt Ion:178 Resp: 321005

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 15.2 12.3 18.5



#75

Fluoranthene

Concen: 69.641 ng

RT: 12.533 min Scan# 1776

Delta R.T. 0.006 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

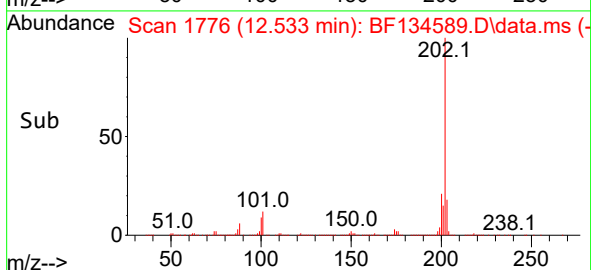
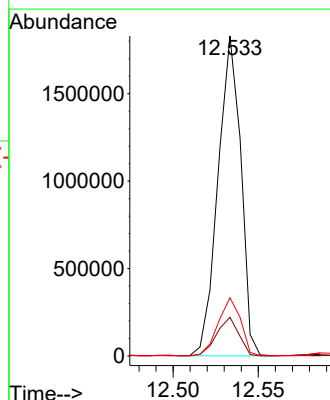
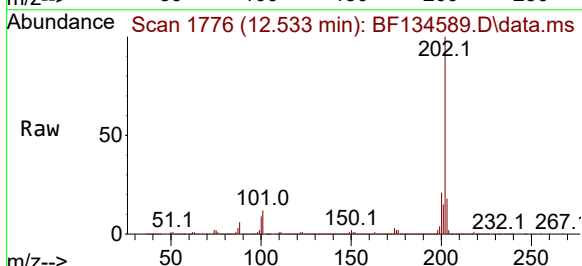
Tgt Ion:202 Resp: 1703810

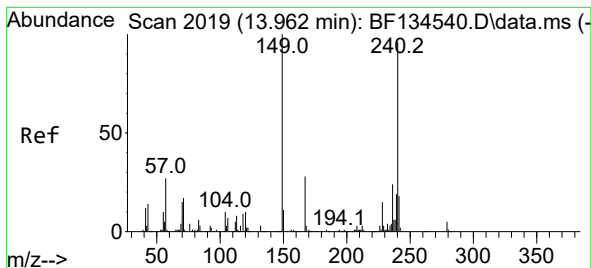
Ion Ratio Lower Upper

202 100

101 12.1 0.0 28.5

203 18.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

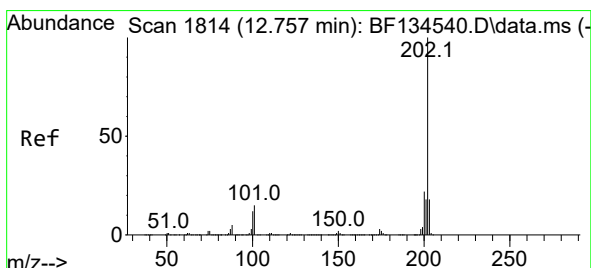
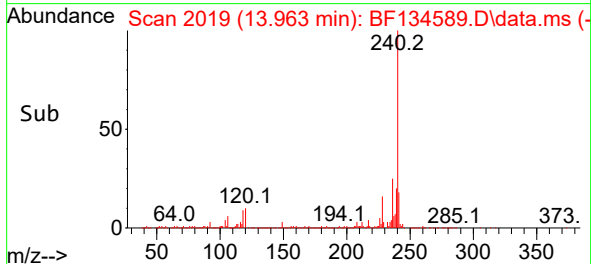
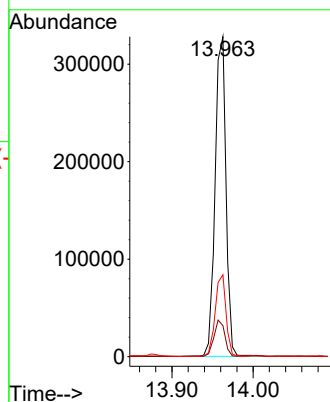
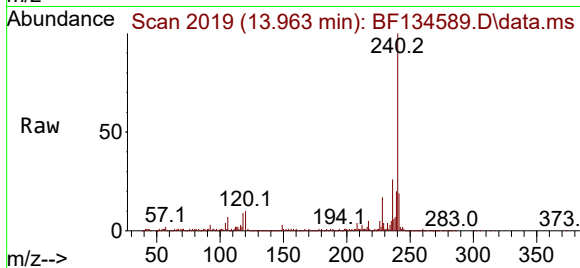
Tgt Ion:240 Resp: 304764

Ion Ratio Lower Upper

240 100

120 9.7 6.6 10.0

236 25.6 20.2 30.2



#78

Pyrene

Concen: 44.445 ng

RT: 12.763 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

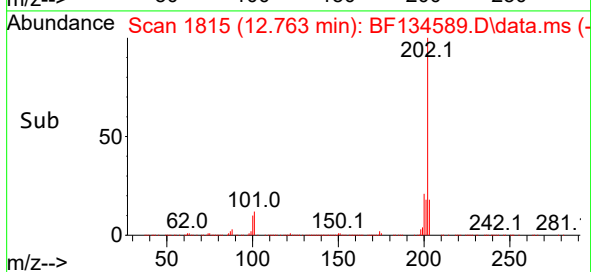
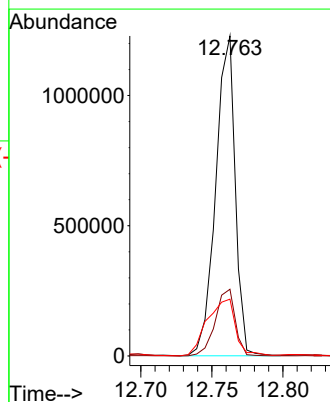
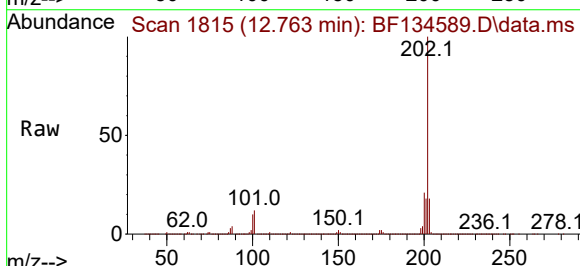
Tgt Ion:202 Resp: 1172096

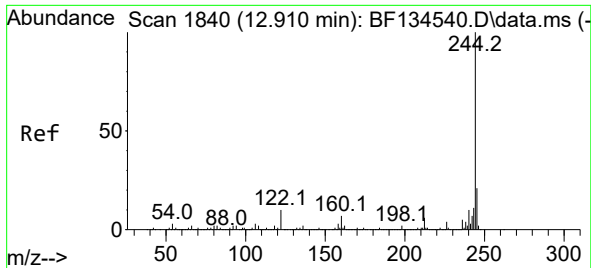
Ion Ratio Lower Upper

202 100

200 20.8 15.8 23.8

203 17.7 13.5 20.3

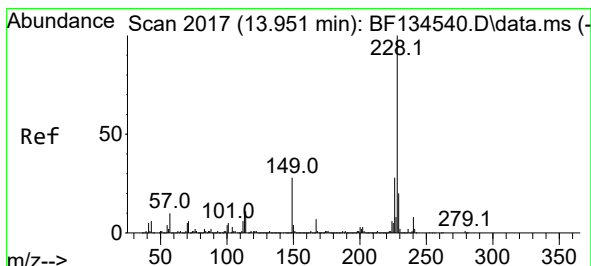
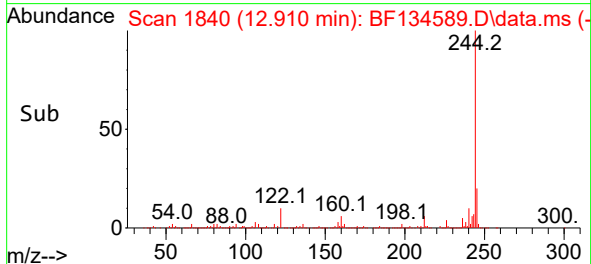
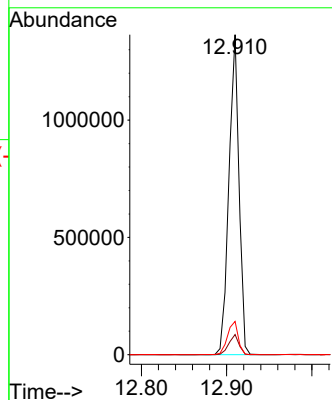
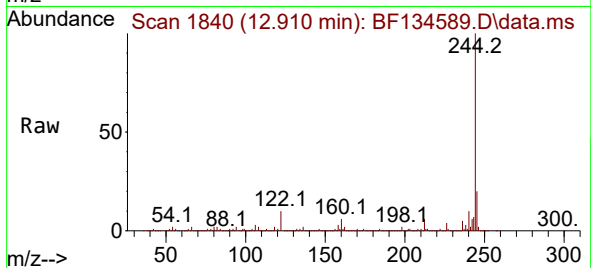




#79
 Terphenyl-d14
 Concen: 64.969 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. 0.000 min
 Lab File: BF134589.D
 Acq: 02 Aug 2023 20:10

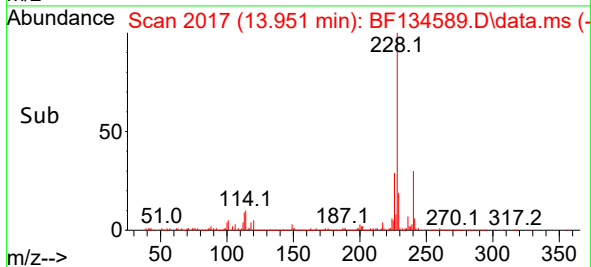
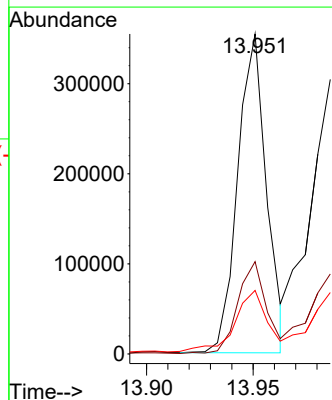
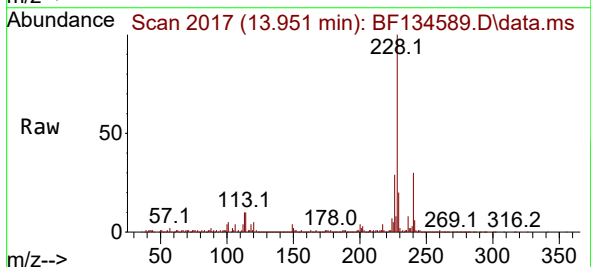
Instrument :
 BNA_F
 ClientSampleId :
 350

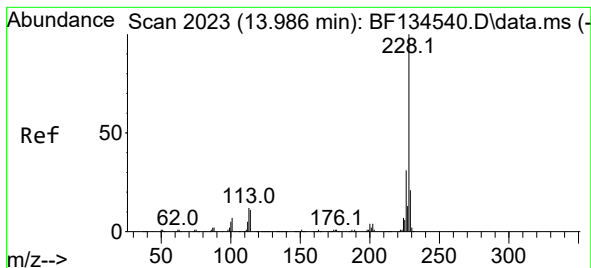
Tgt Ion:244 Resp: 1123190
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.4 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 15.250 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: BF134589.D
 Acq: 02 Aug 2023 20:10

Tgt Ion:228 Resp: 332332
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.3 33.5
 229 19.8 15.8 23.6





#83

Chrysene

Concen: 14.164 ng

RT: 13.986 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

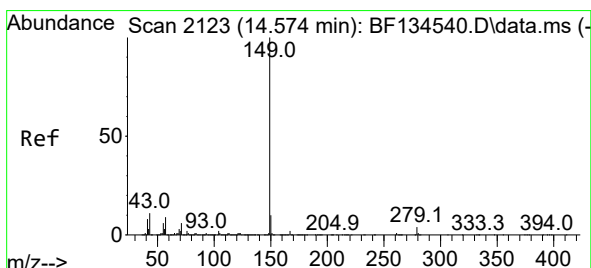
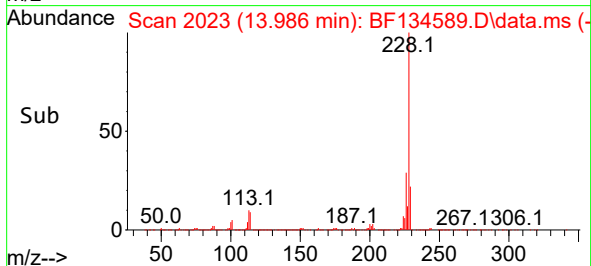
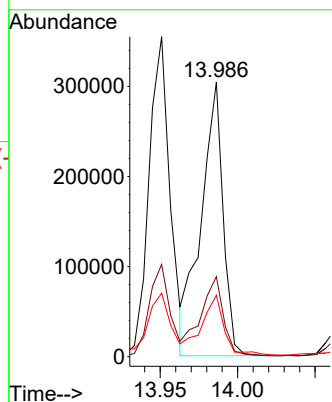
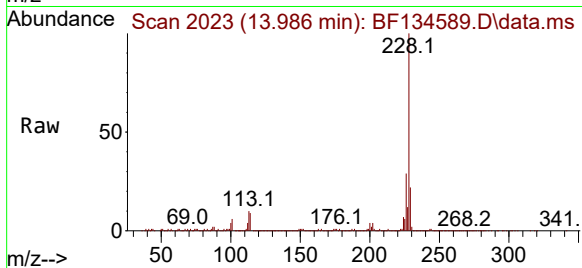
Tgt Ion:228 Resp: 300713

Ion Ratio Lower Upper

228 100

226 29.2 24.5 36.7

229 22.4 15.8 23.8



#85

Di-n-octyl phthalate

Concen: 4.005 ng

RT: 14.569 min Scan# 2122

Delta R.T. -0.006 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

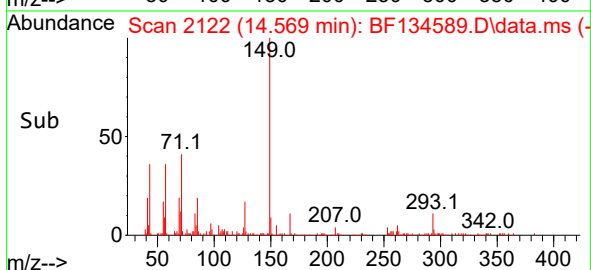
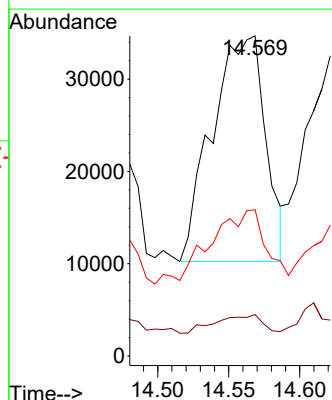
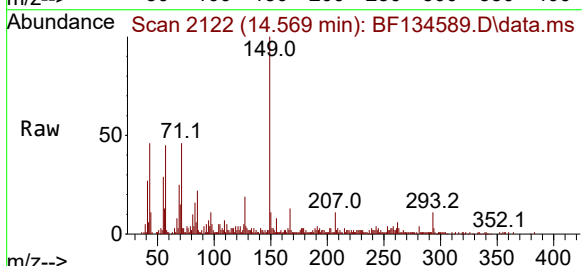
Tgt Ion:149 Resp: 63906

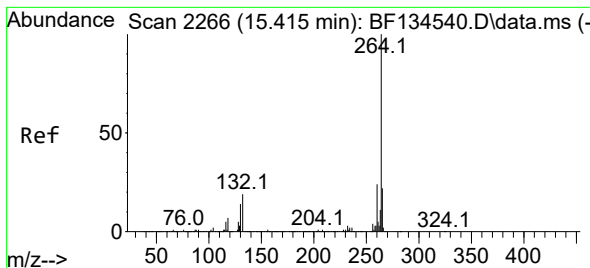
Ion Ratio Lower Upper

149 100

167 14.8 1.2 1.8#

43 30.7 8.1 12.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

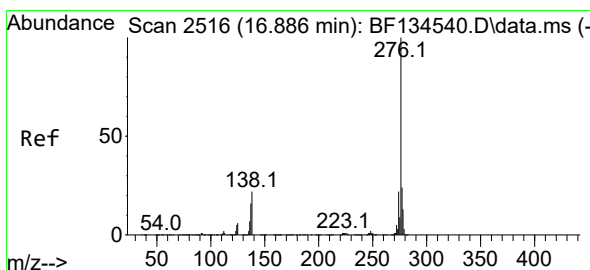
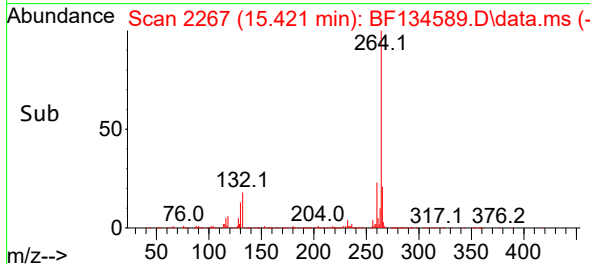
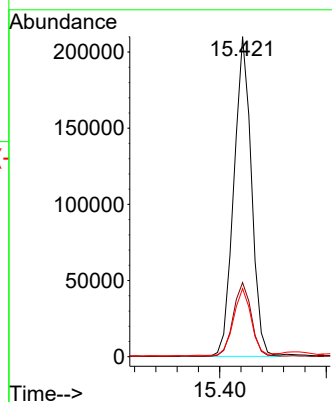
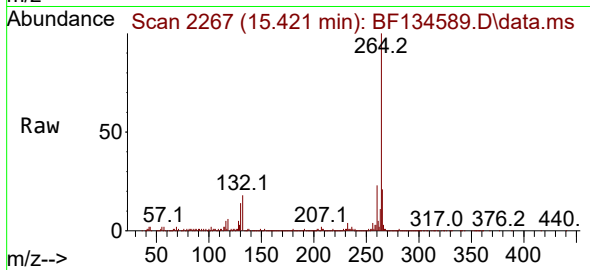
Tgt Ion:264 Resp: 240339

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 21.3 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.519 ng

RT: 16.886 min Scan# 2516

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

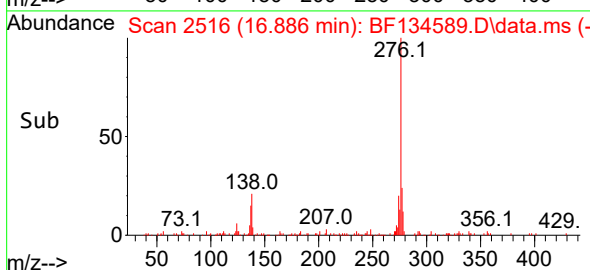
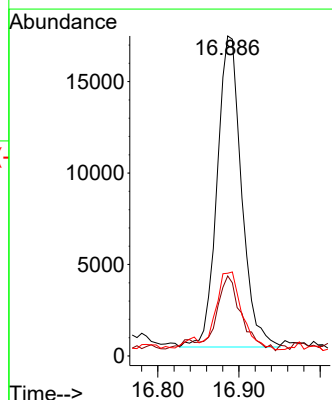
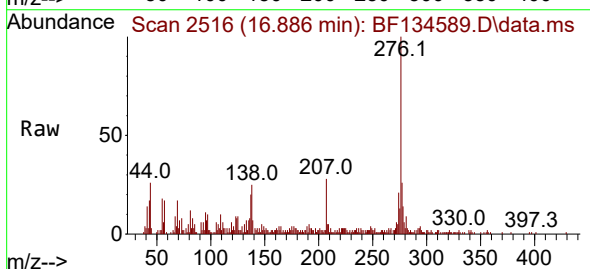
Tgt Ion:276 Resp: 35605

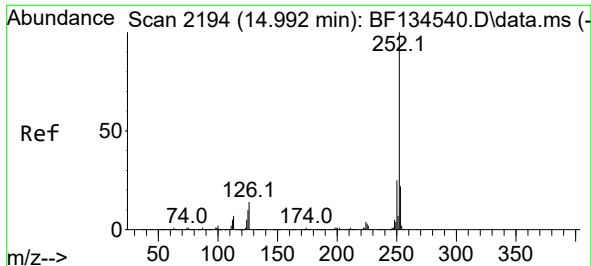
Ion Ratio Lower Upper

276 100

138 23.9 14.2 21.4#

277 26.7 19.9 29.9

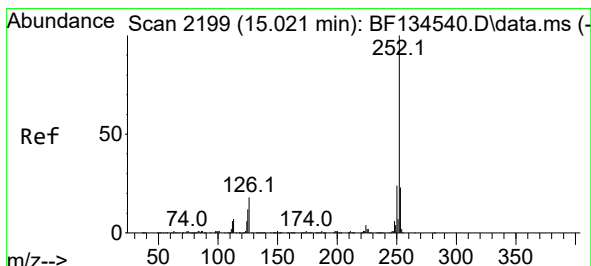
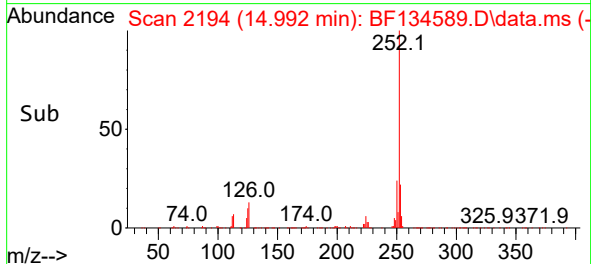
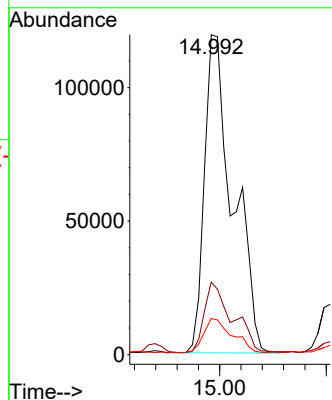
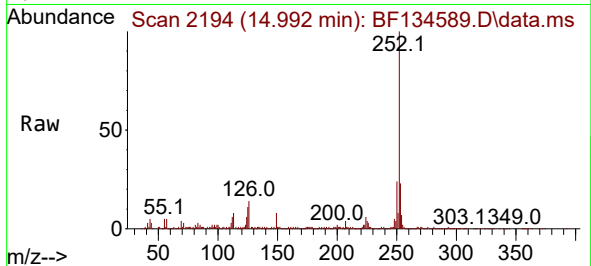




#88
Benzo(b)fluoranthene
Concen: 15.128 ng
RT: 14.992 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

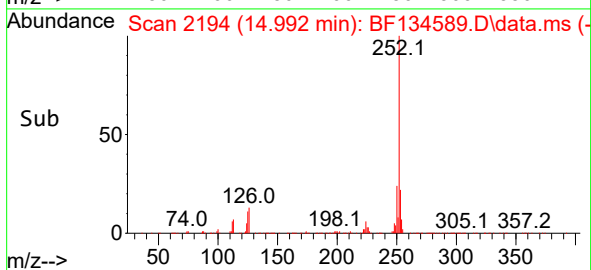
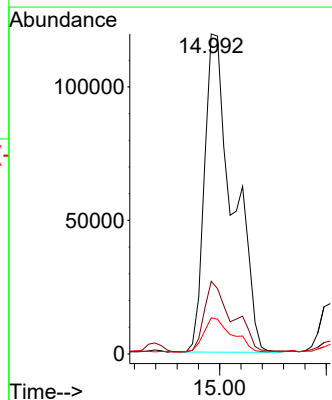
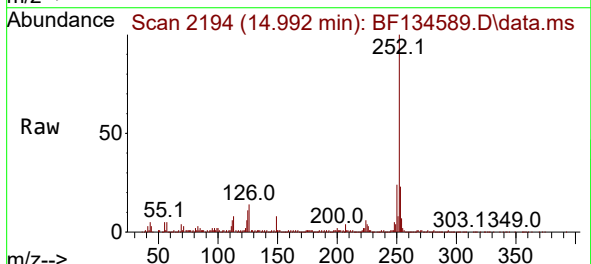
Instrument :
BNA_F
ClientSampleId :
350

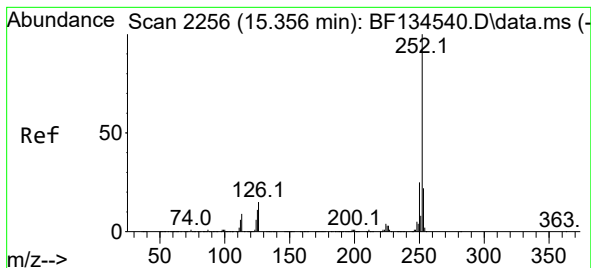
Tgt Ion:252 Resp: 221748
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 11.3 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 15.186 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.029 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion:252 Resp: 221748
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 11.3 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 6.188 ng

RT: 15.357 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

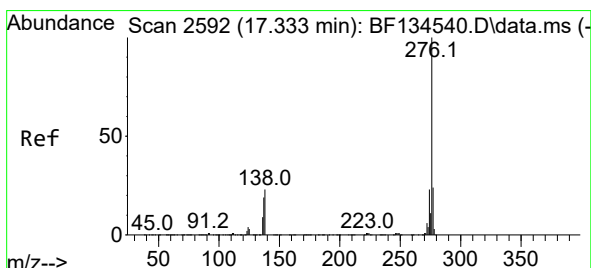
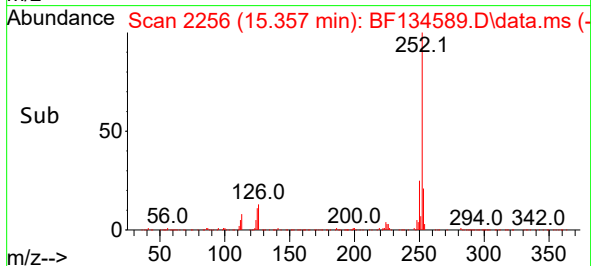
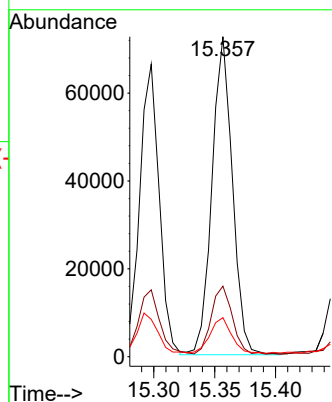
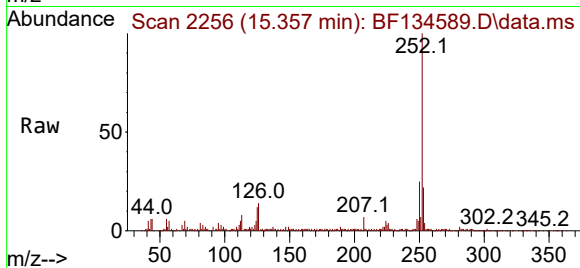
Instrument :

BNA_F

ClientSampleId :

350

Tgt Ion:252	Resp:	84570
Ion Ratio	Lower	Upper
252	100	
253	22.0	17.0 25.4
125	12.2	6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 2.701 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Tgt Ion:276	Resp:	31470
Ion Ratio	Lower	Upper
276	100	
277	24.2	19.0 28.6
138	22.8	12.2 18.2#

