

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
 Data File : BF134864.D
 Acq On : 21 Aug 2023 13:13
 Operator : CG\JU
 Sample : 04086-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-PP06B

Quant Time: Aug 21 13:37:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	177782	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	738029	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	389101	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	692951	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	381961	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	394779	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	860072	73.539	ng	0.00
7) Phenol-d6	6.434	99	1089596	72.881	ng	0.00
23) Nitrobenzene-d5	7.351	82	676606	57.292	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	338627	85.371	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1302574	55.661	ng	-0.02
79) Terphenyl-d14	12.910	244	1307448	60.343	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.375	77	55	Below Cal		Qvalue # 3
19) n-Nitroso-di-n-propyla...	7.351	70	90220	10.079	ng	# 74
25) Isophorone	7.351	82	668514	25.953	ng	# 65
32) Benzoic acid	7.792	122	85	7.877	ng	# 77
48) 2-Nitroaniline	9.263	65	642	3.251	ng	# 8
50) Dimethylphthalate	9.827	163	84304	3.179	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	51608	11.499	ng	# 17
57) 2,4-Dinitrotoluene	9.827	165	51608	10.247	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	727	8.911	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	21509	2.835	ng	# 1
71) Phenanthrene	11.339	178	96855	2.631	ng	98
75) Fluoranthene	12.527	202	130077	3.346	ng	96
78) Pyrene	12.757	202	220005	6.656	ng	98
81) Benzo(a)anthracene	13.951	228	79531	2.912	ng	99
83) Chrysene	13.986	228	79130	2.974	ng	99
88) Benzo(b)fluoranthene	15.004	252	70745	2.938	ng	# 93
89) Benzo(k)fluoranthene	15.004	252	70745	2.950	ng	# 95
90) Benzo(a)pyrene	15.368	252	54812	2.442	ng	# 96

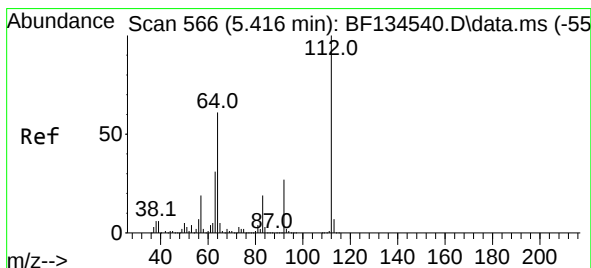
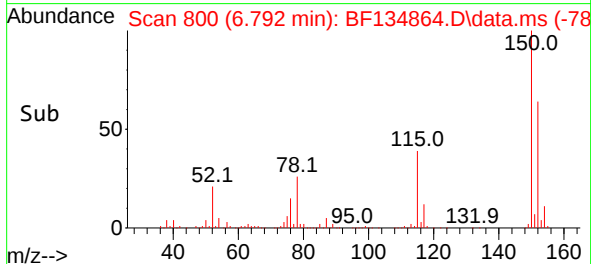
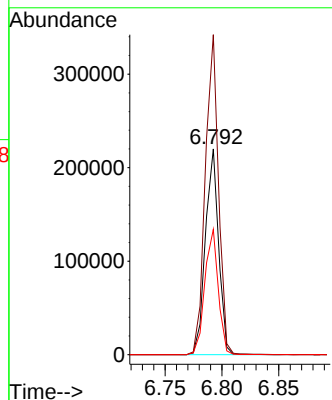
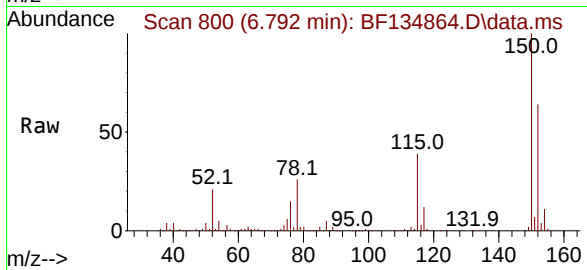
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

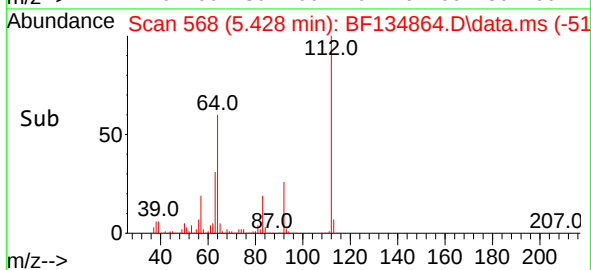
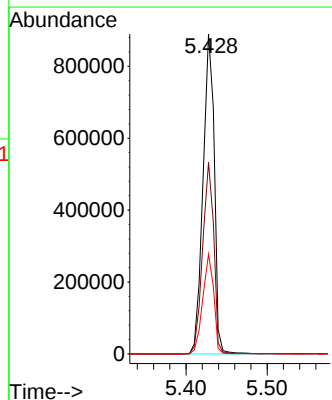
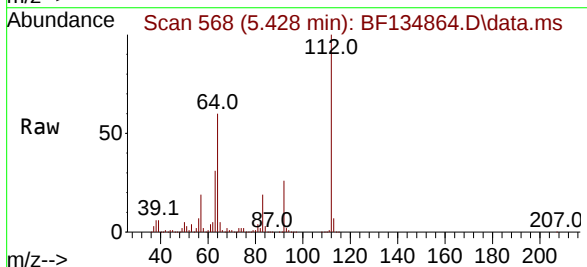
Instrument :
BNA_F
ClientSampleId :
B-PP06B

Tgt Ion:152 Resp: 177782
Ion Ratio Lower Upper
152 100
150 155.6 128.3 192.5
115 60.9 52.4 78.6



#5
2-Fluorophenol
Concen: 73.539 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

Tgt Ion:112 Resp: 860072
Ion Ratio Lower Upper
112 100
64 59.8 44.9 67.3
63 31.2 25.4 38.0

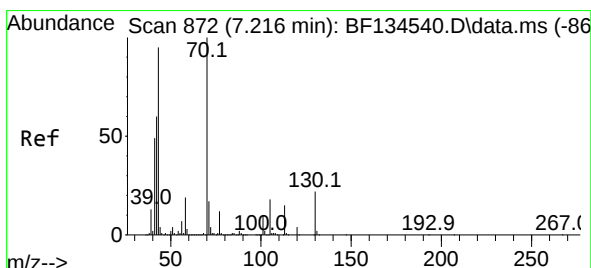
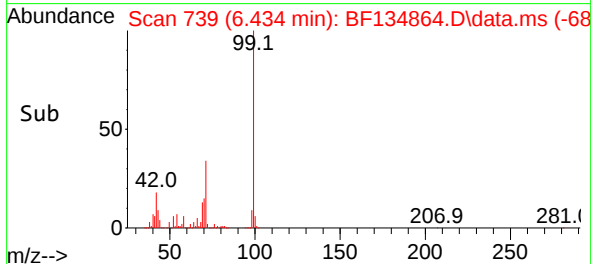
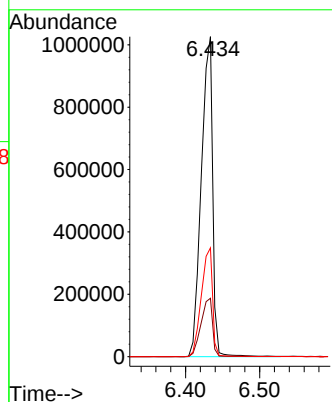
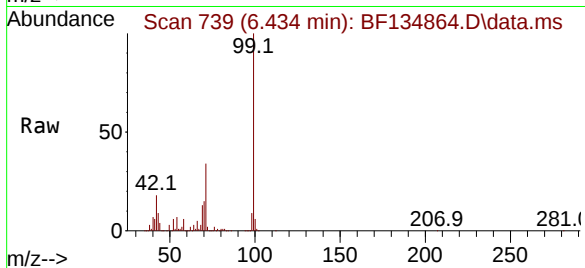




#7
Phenol-d6
Concen: 72.881 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

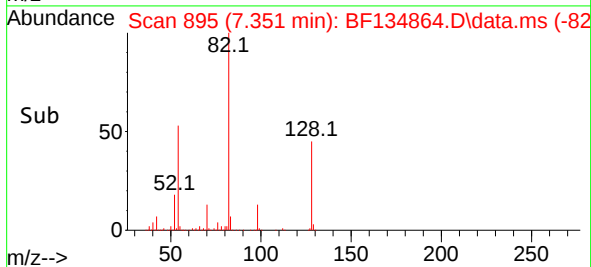
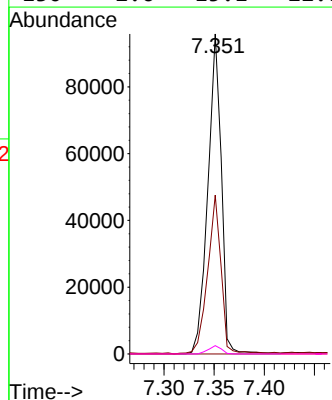
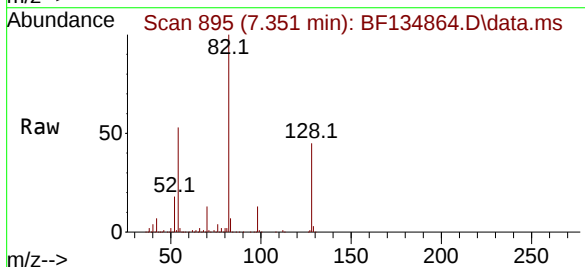
Instrument :
BNA_F
ClientSampleId :
B-PP06B

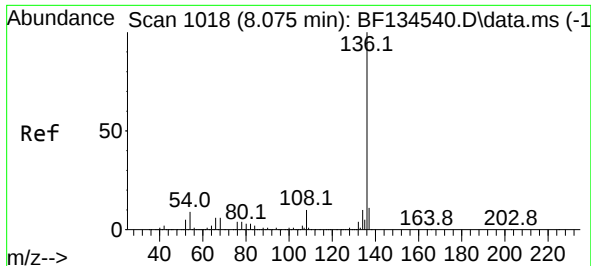
Tgt Ion: 99 Resp: 1089596
Ion Ratio Lower Upper
99 100
42 18.2 18.7 28.1#
71 34.0 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.079 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

Tgt Ion: 70 Resp: 90220
Ion Ratio Lower Upper
70 100
42 49.7 54.7 82.1#
101 0.0 8.2 12.2#
130 2.6 15.1 22.7#

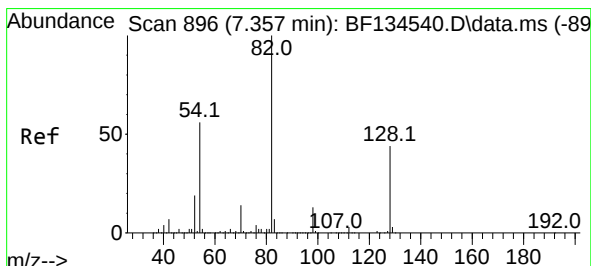
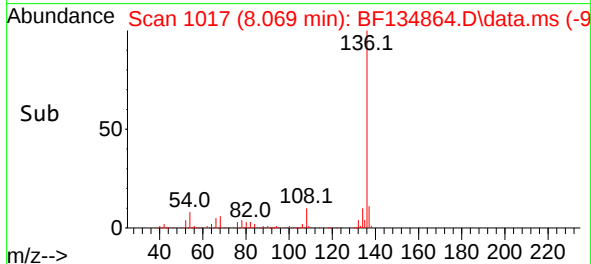
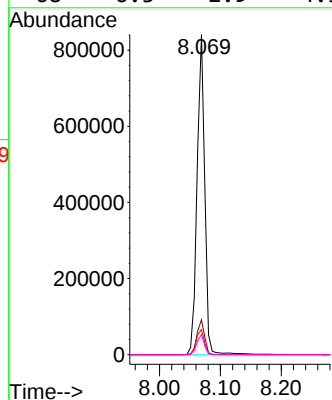
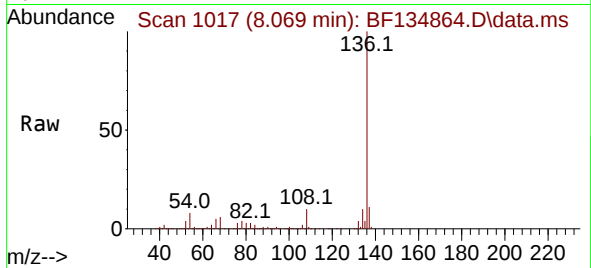




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

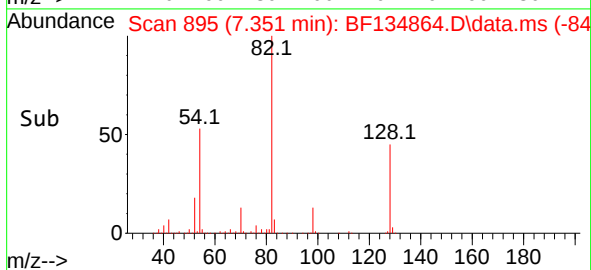
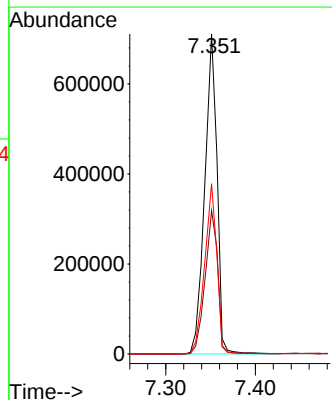
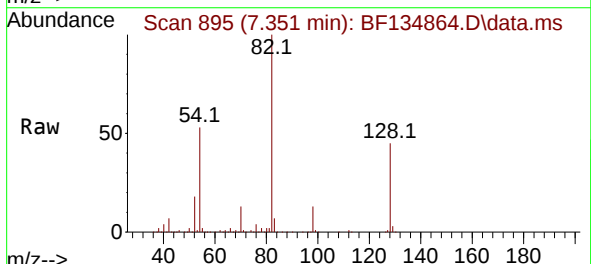
Instrument :
BNA_F
ClientSampleId :
B-PP06B

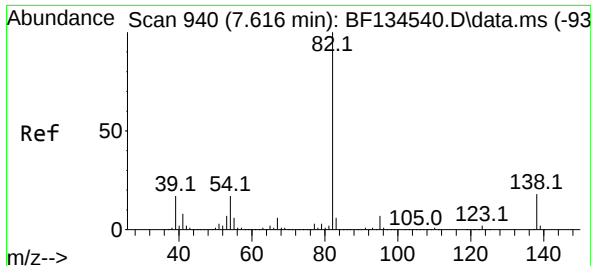
Tgt Ion:136 Resp: 738029
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.8 5.2 7.8#
68 6.3 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 57.292 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

Tgt Ion: 82 Resp: 676606
Ion Ratio Lower Upper
82 100
128 44.8 34.3 51.5
54 53.2 43.8 65.6

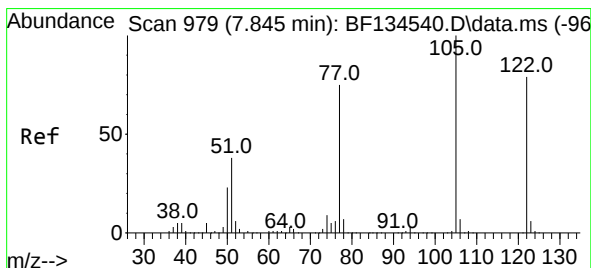
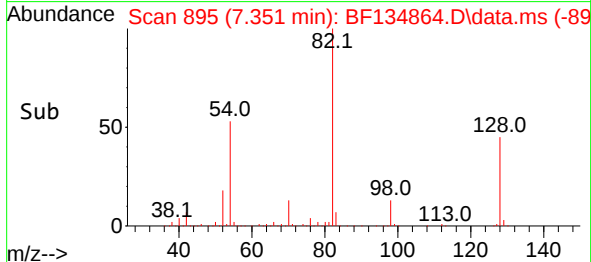
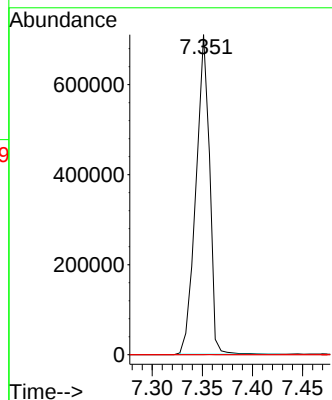
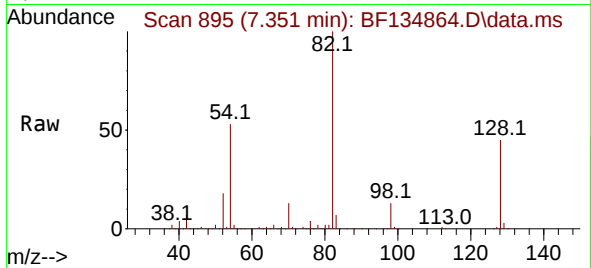




#25
Isophorone
Concen: 25.953 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.277 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

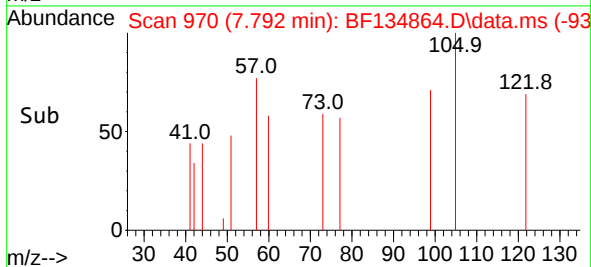
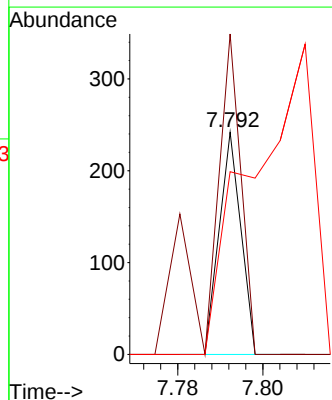
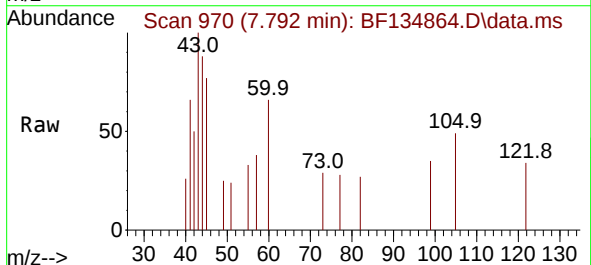
Instrument :
BNA_F
ClientSampleId :
B-PP06B

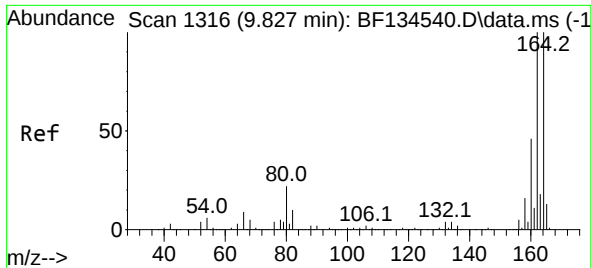
Tgt Ion: 82 Resp: 668514
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.877 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.071 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

Tgt Ion: 122 Resp: 85
Ion Ratio Lower Upper
122 100
105 144.2 87.5 127.5#
77 82.2 71.4 111.4

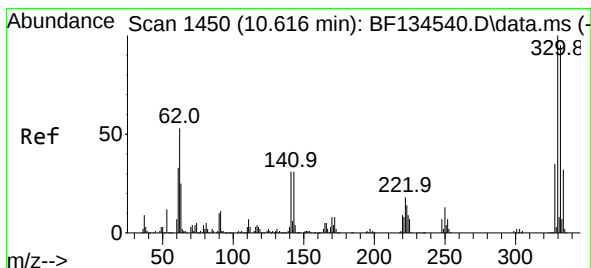
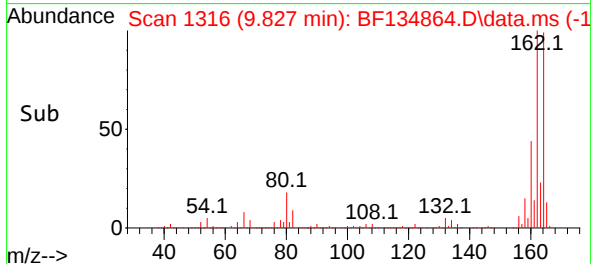
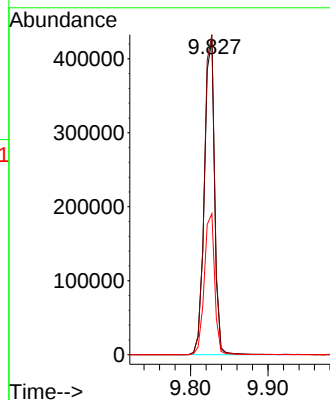
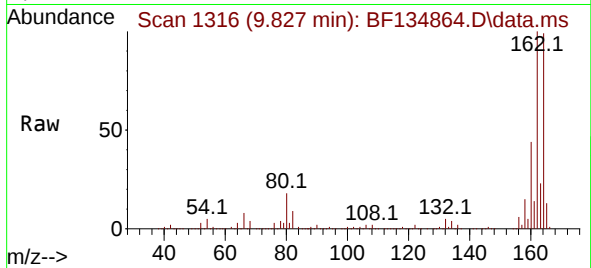




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

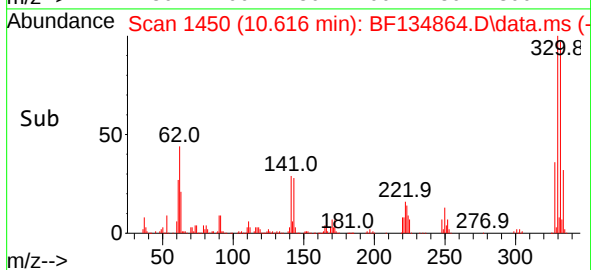
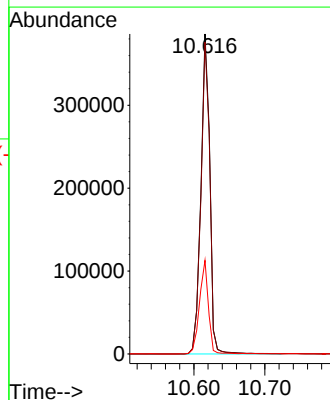
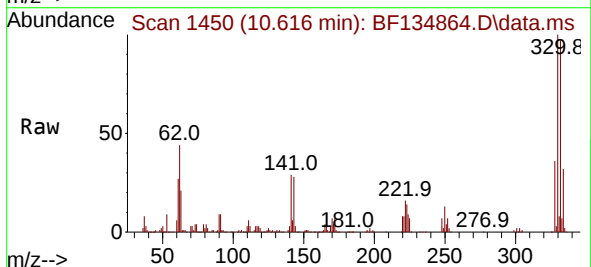
Instrument :
BNA_F
ClientSampleId :
B-PP06B

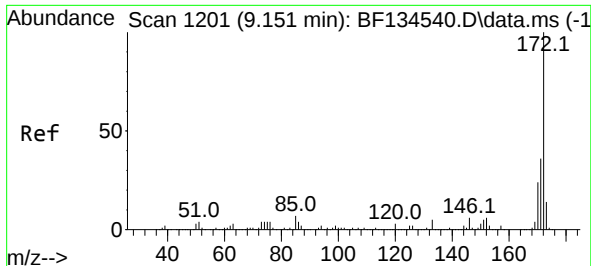
Tgt Ion:164 Resp: 389101
Ion Ratio Lower Upper
164 100
162 101.4 82.6 123.8
160 44.7 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 85.371 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

Tgt Ion:330 Resp: 338627
Ion Ratio Lower Upper
330 100
332 97.6 78.8 118.2
141 29.5 25.4 38.2

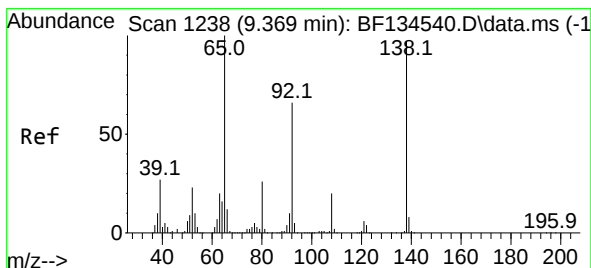
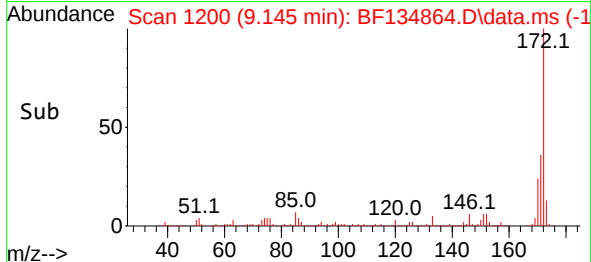
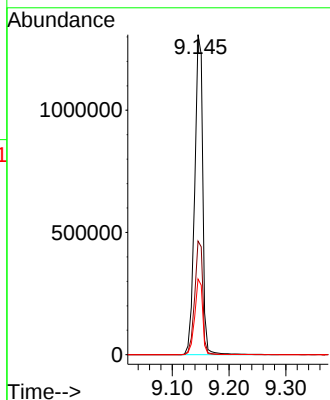
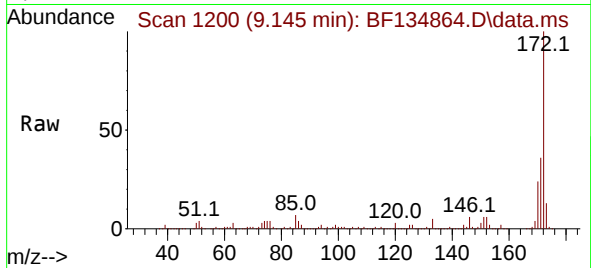




#45
2-Fluorobiphenyl
Concen: 55.661 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

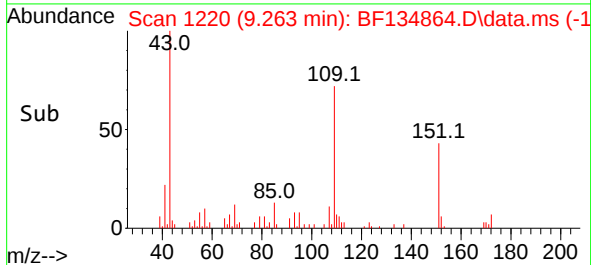
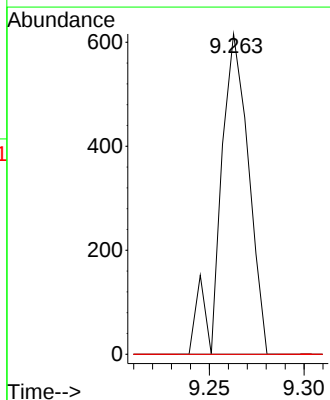
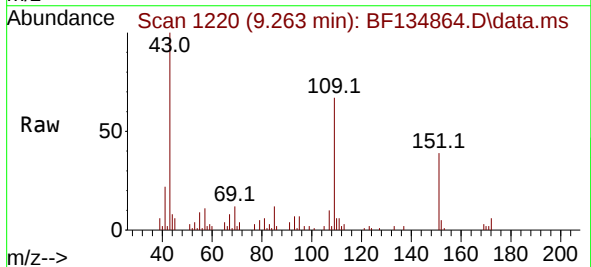
Instrument :
BNA_F
ClientSampleId :
B-PP06B

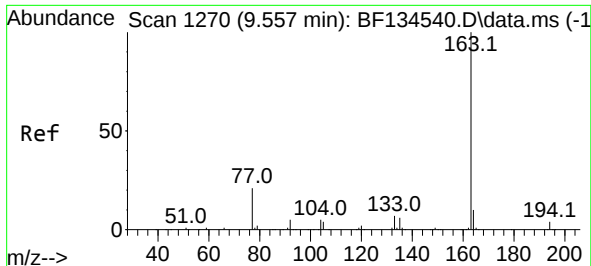
Tgt Ion:172 Resp: 1302574
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.6 18.7 28.1



#48
2-Nitroaniline
Concen: 3.251 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.118 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

Tgt Ion: 65 Resp: 642
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 0.0 78.2 117.4#

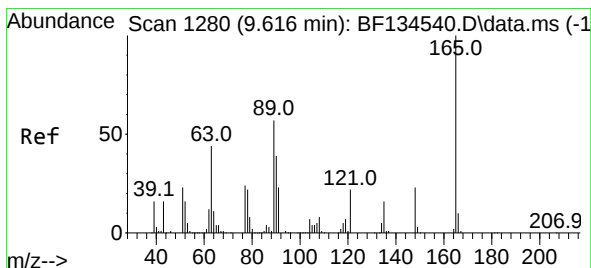
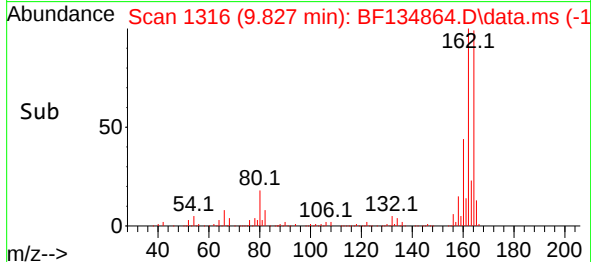
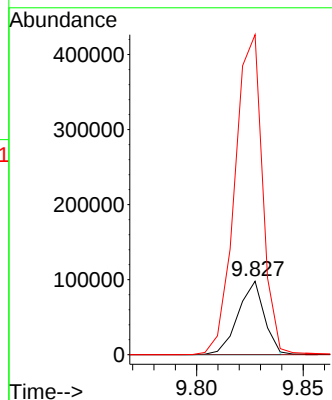
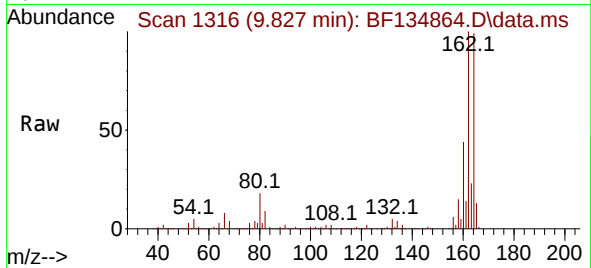




#50
Dimethylphthalate
Concen: 3.179 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

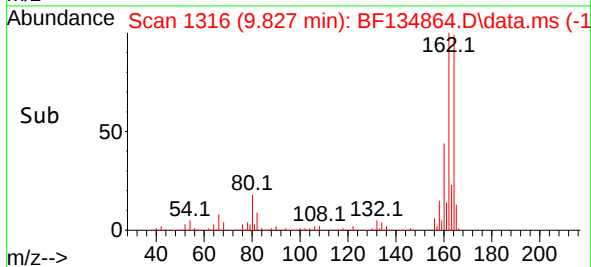
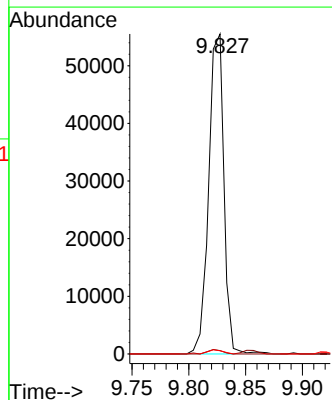
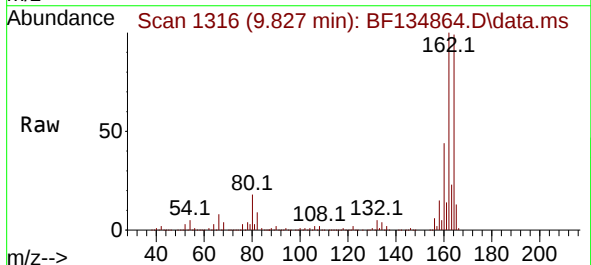
Instrument :
BNA_F
ClientSampleId :
B-PP06B

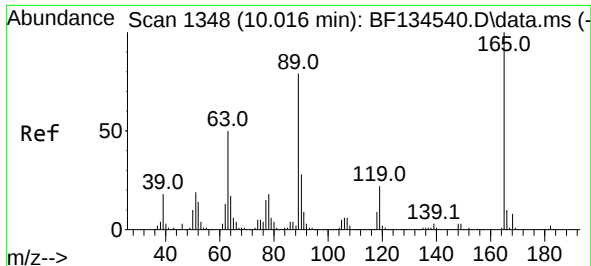
Tgt Ion:163 Resp: 84304
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 435.4 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.499 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

Tgt Ion:165 Resp: 51608
Ion Ratio Lower Upper
165 100
63 1.0 57.8 86.6#
89 1.0 51.8 77.8#

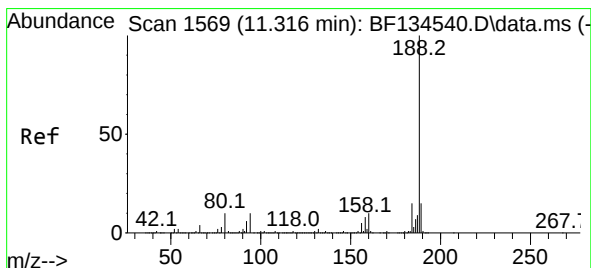
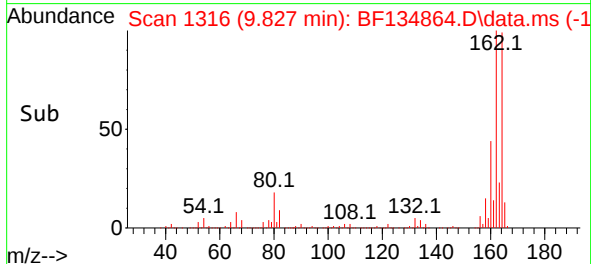
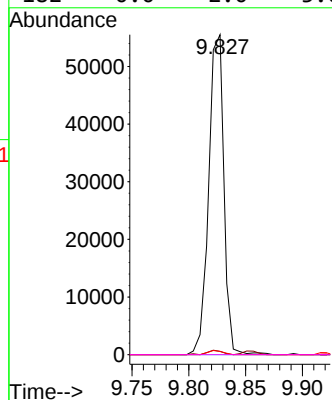
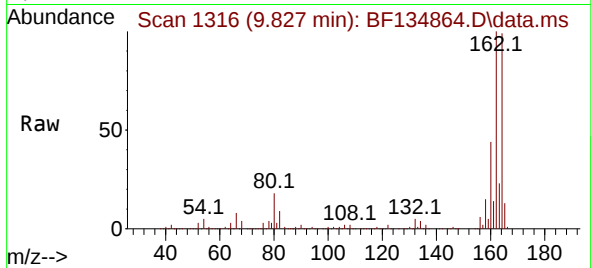




#57
2,4-Dinitrotoluene
Concen: 10.247 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

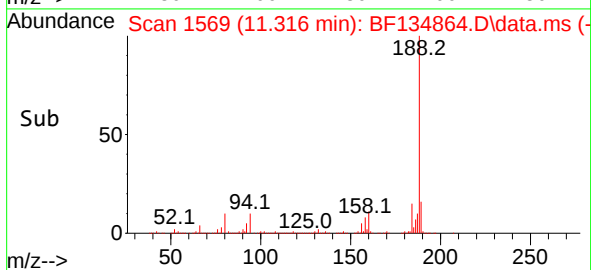
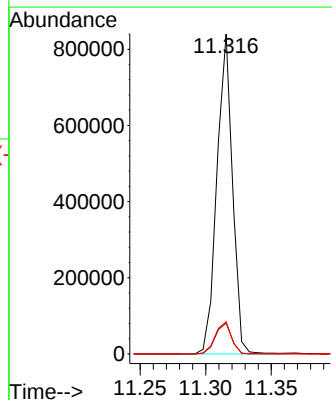
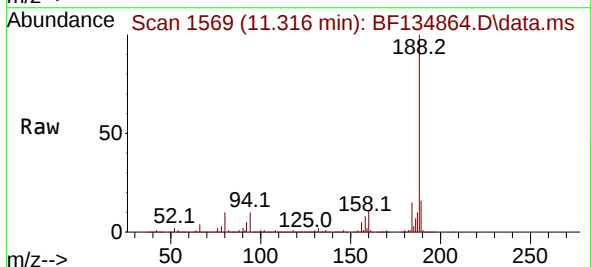
Instrument :
BNA_F
ClientSampleId :
B-PP06B

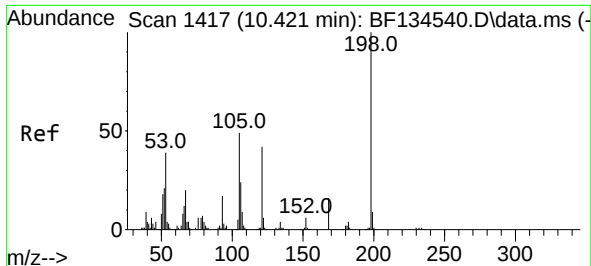
Tgt Ion:165 Resp: 51608
Ion Ratio Lower Upper
165 100
63 1.0 48.9 73.3#
89 1.0 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

Tgt Ion:188 Resp: 692951
Ion Ratio Lower Upper
188 100
94 9.6 5.1 7.7#
80 10.1 6.6 9.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.911 ng

RT: 10.616 min Scan# 1417

Delta R.T. 0.176 min

Lab File: BF134864.D

Acq: 21 Aug 2023 13:13

Instrument :

BNA_F

ClientSampleId :

B-PP06B

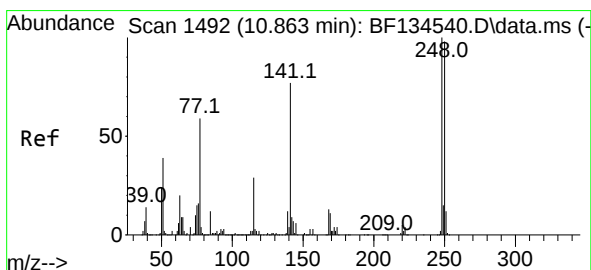
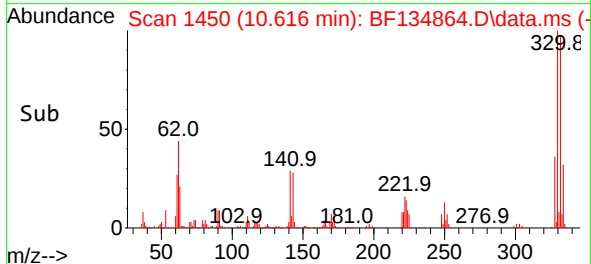
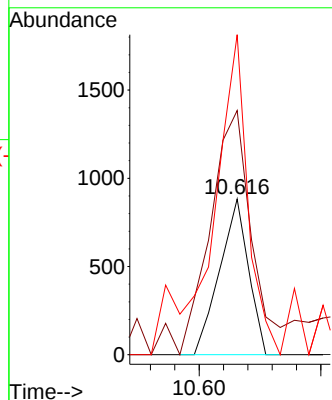
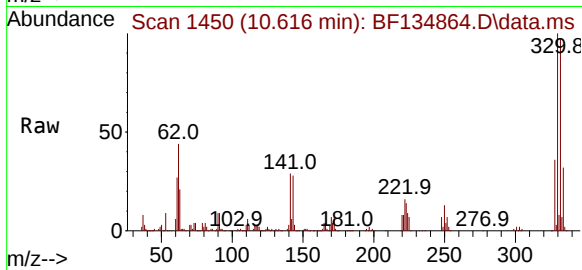
Tgt Ion:198 Resp: 727

Ion Ratio Lower Upper

198 100

51 156.7 38.6 78.6#

105 205.4 27.9 67.9#



#67

4-Bromophenyl-phenylether

Concen: 2.835 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF134864.D

Acq: 21 Aug 2023 13:13

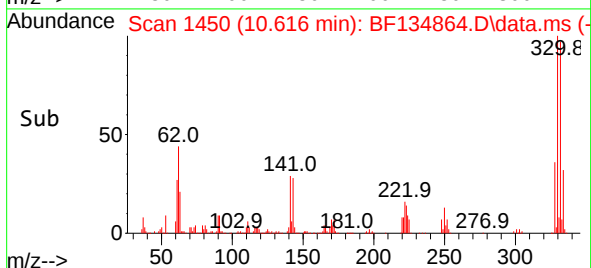
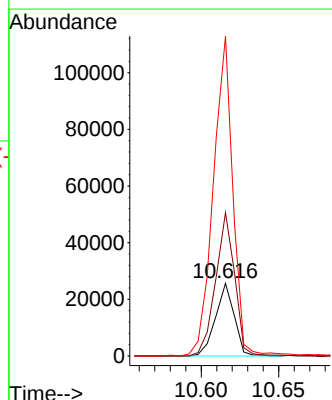
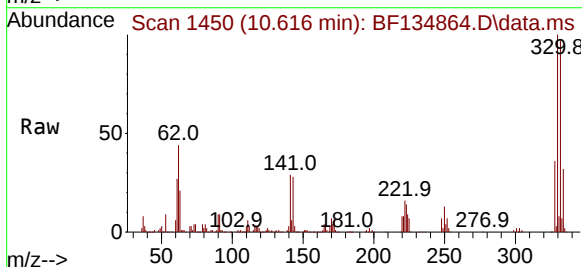
Tgt Ion:248 Resp: 21509

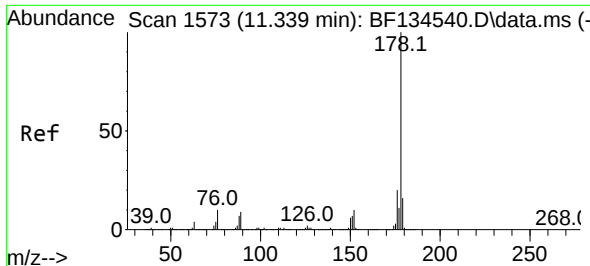
Ion Ratio Lower Upper

248 100

250 197.2 79.6 119.4#

141 440.3 59.6 89.4#

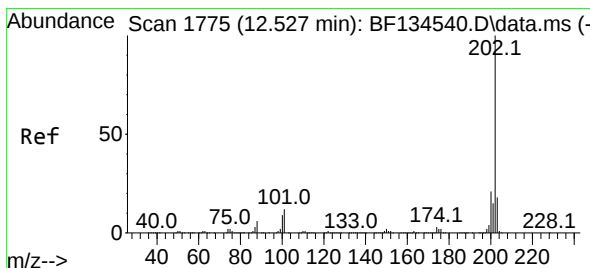
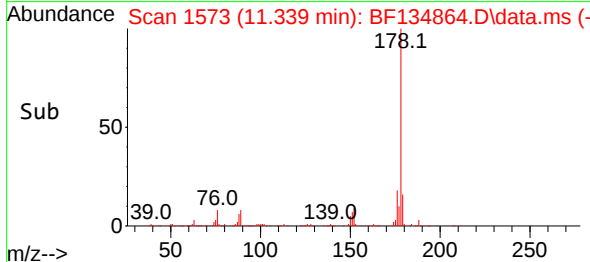
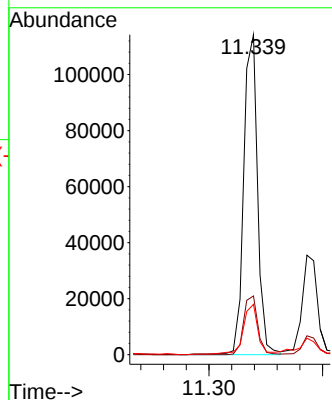
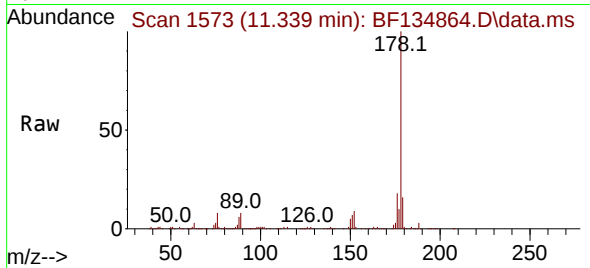




#71
Phenanthrene
Concen: 2.631 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

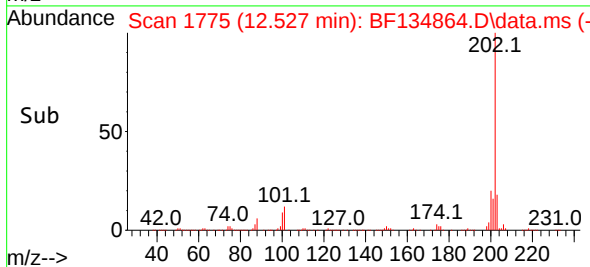
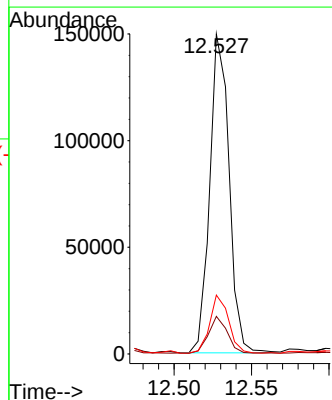
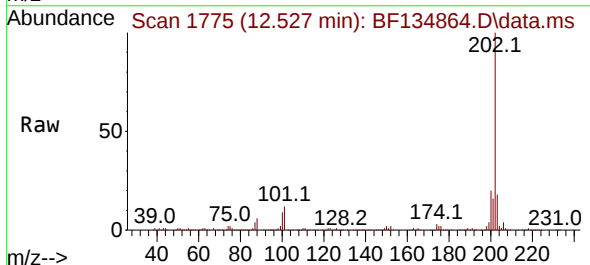
Instrument :
BNA_F
ClientSampleId :
B-PP06B

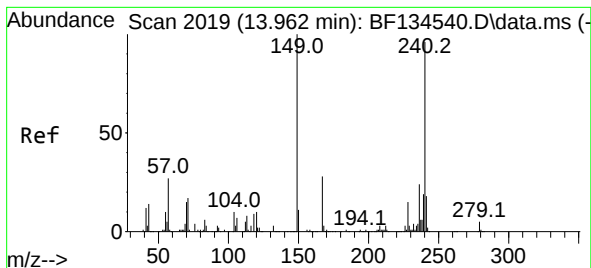
Tgt Ion:178 Resp: 96855
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 15.8 12.7 19.1



#75
Fluoranthene
Concen: 3.346 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

Tgt Ion:202 Resp: 130077
Ion Ratio Lower Upper
202 100
101 11.7 0.0 28.5
203 18.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF134864.D

Acq: 21 Aug 2023 13:13

Instrument :

BNA_F

ClientSampleId :

B-PP06B

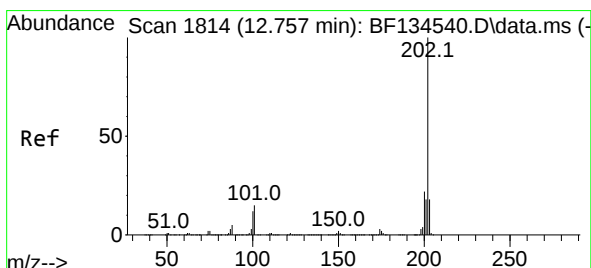
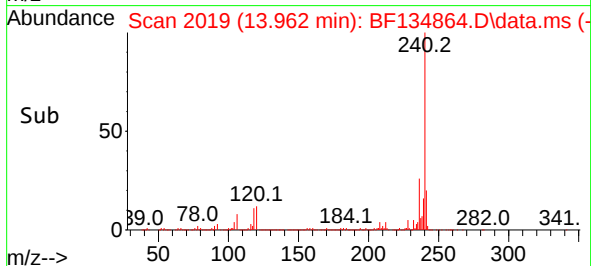
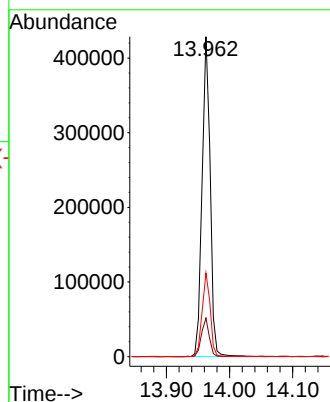
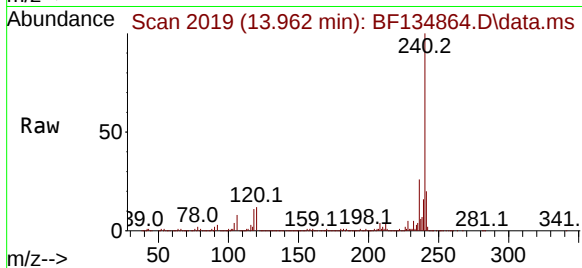
Tgt Ion:240 Resp: 381961

Ion Ratio Lower Upper

240 100

120 12.0 6.6 10.0#

236 26.2 20.2 30.2



#78

Pyrene

Concen: 6.656 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF134864.D

Acq: 21 Aug 2023 13:13

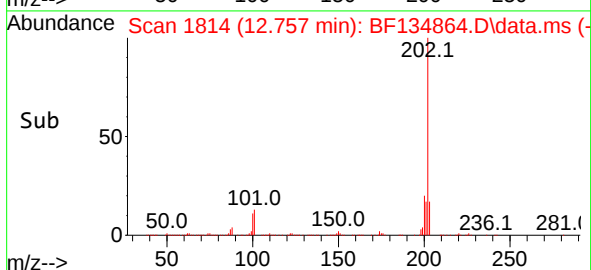
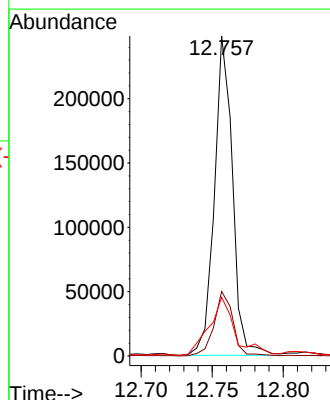
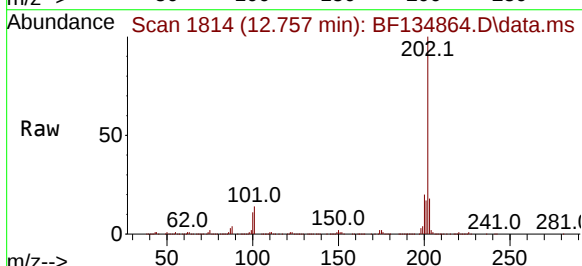
Tgt Ion:202 Resp: 220005

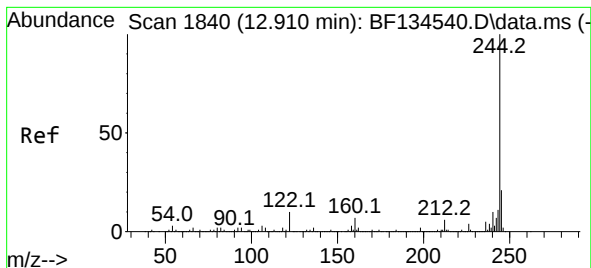
Ion Ratio Lower Upper

202 100

200 20.1 15.8 23.8

203 18.3 13.5 20.3





#79

Terphenyl-d14

Concen: 60.343 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134864.D

Acq: 21 Aug 2023 13:13

Instrument :

BNA_F

ClientSampleId :

B-PP06B

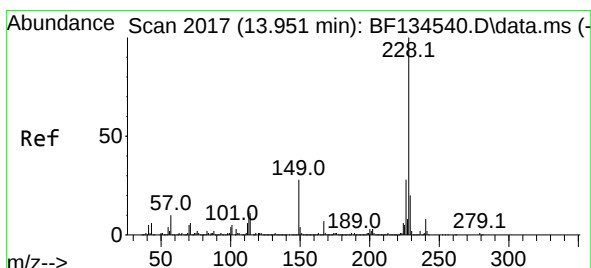
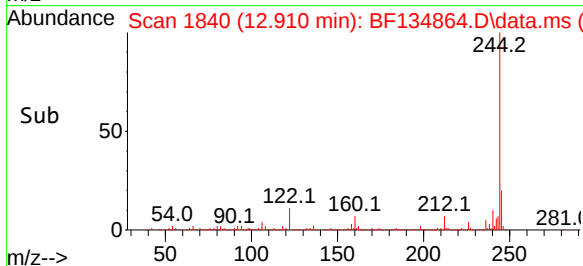
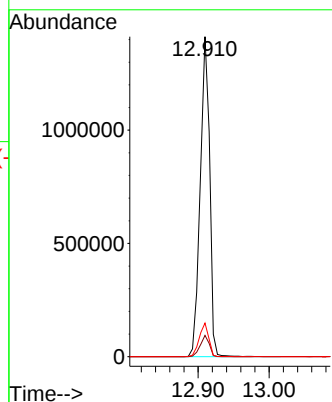
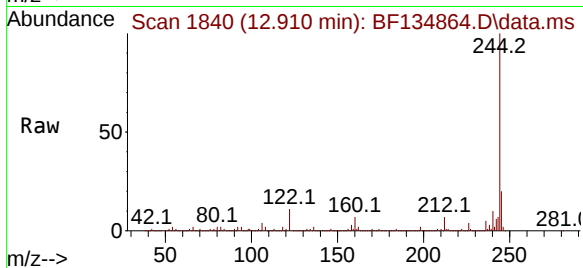
Tgt Ion:244 Resp: 1307448

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.5 8.0 12.0



#81

Benzo(a)anthracene

Concen: 2.912 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF134864.D

Acq: 21 Aug 2023 13:13

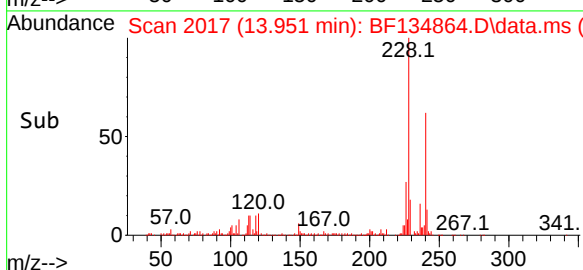
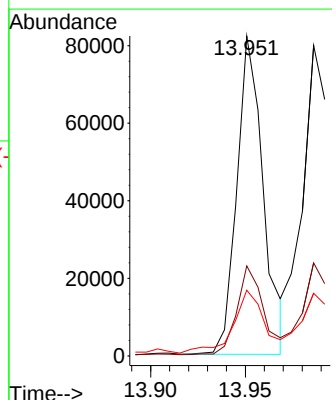
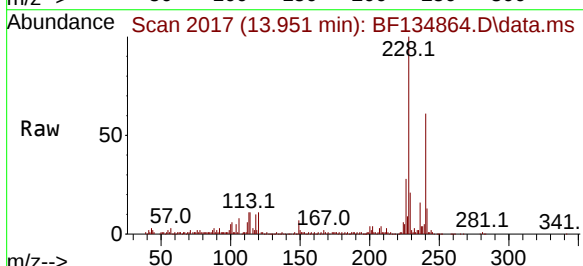
Tgt Ion:228 Resp: 79531

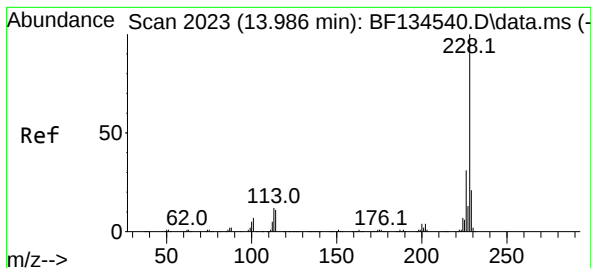
Ion Ratio Lower Upper

228 100

226 28.1 22.3 33.5

229 20.6 15.8 23.6





#83

Chrysene

Concen: 2.974 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134864.D

Acq: 21 Aug 2023 13:13

Instrument :

BNA_F

ClientSampleId :

B-PP06B

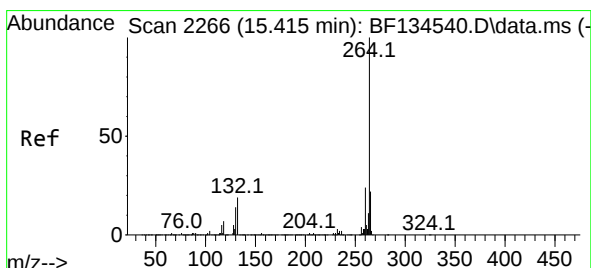
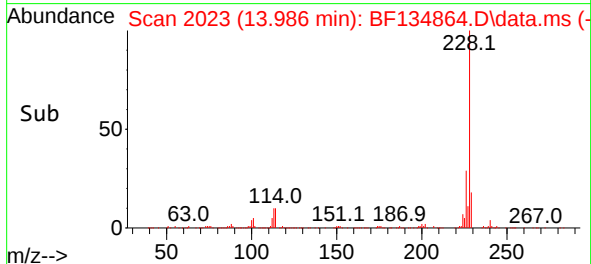
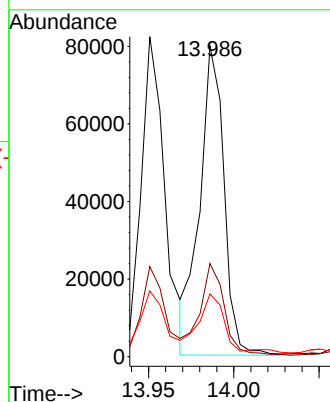
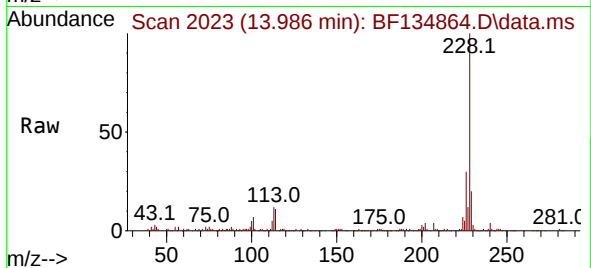
Tgt Ion:228 Resp: 79130

Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

229 20.2 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF134864.D

Acq: 21 Aug 2023 13:13

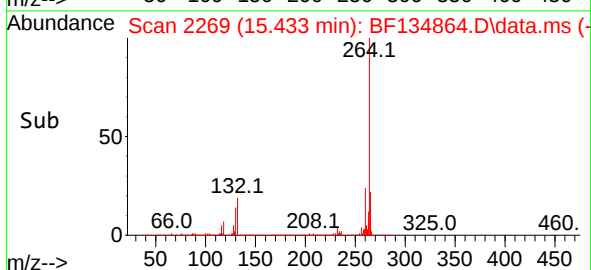
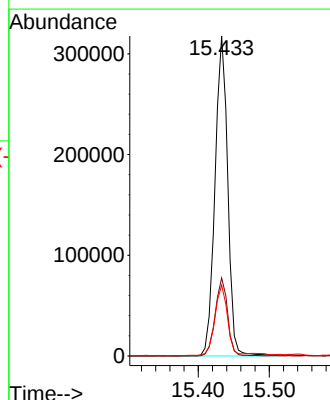
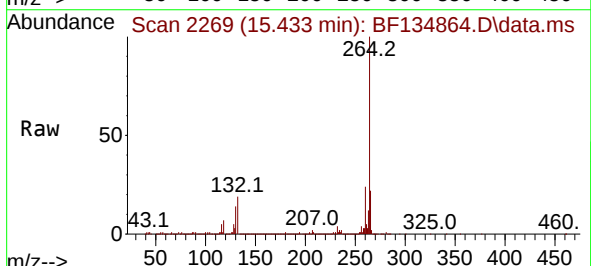
Tgt Ion:264 Resp: 394779

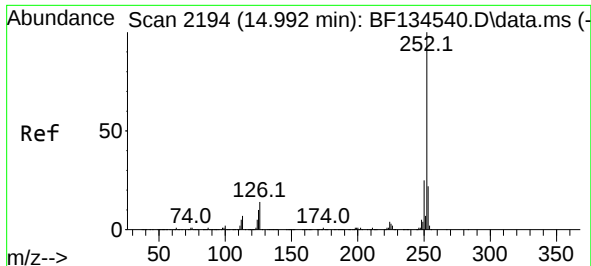
Ion Ratio Lower Upper

264 100

260 24.4 18.4 27.6

265 22.2 15.8 23.8

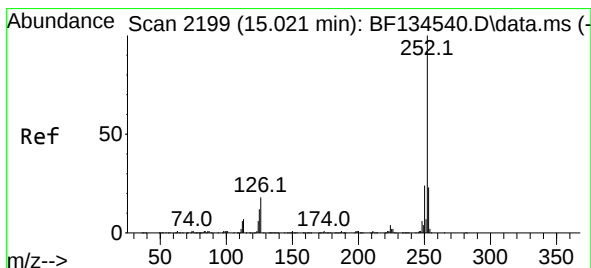
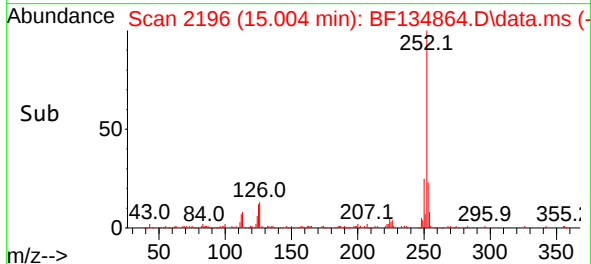
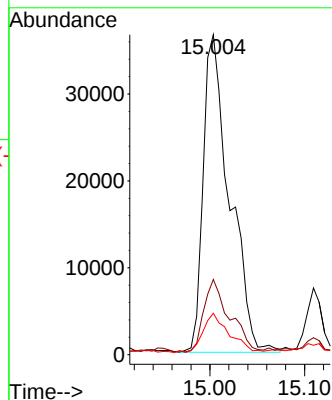
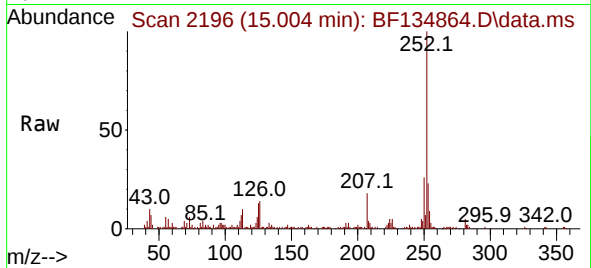




#88
Benzo(b)fluoranthene
Concen: 2.938 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

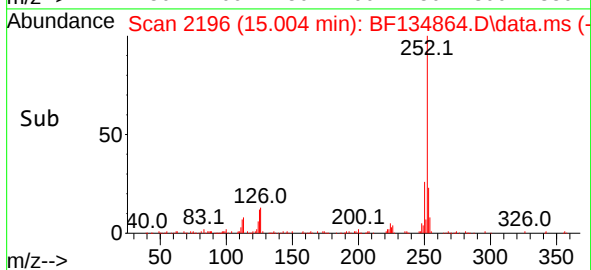
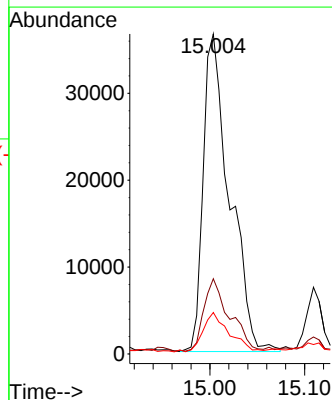
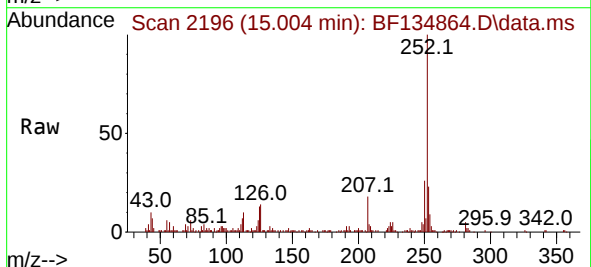
Instrument :
BNA_F
ClientSampleId :
B-PP06B

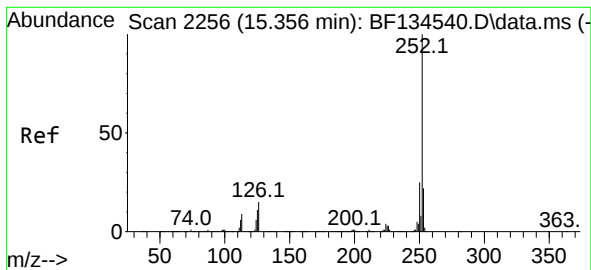
Tgt Ion:252 Resp: 70745
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 13.0 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 2.950 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF134864.D
Acq: 21 Aug 2023 13:13

Tgt Ion:252 Resp: 70745
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 13.0 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 2.442 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134864.D

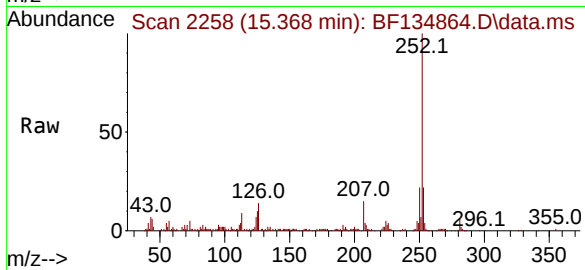
Acq: 21 Aug 2023 13:13

Instrument :

BNA_F

ClientSampleId :

B-PP06B



Tgt Ion:252 Resp: 54812

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.4

125 10.5 6.2 9.4#

