

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134846.D
 Acq On : 18 Aug 2023 18:14
 Operator : CG\JU
 Sample : 04020-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-2

Quant Time: Aug 19 01:44:08 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)

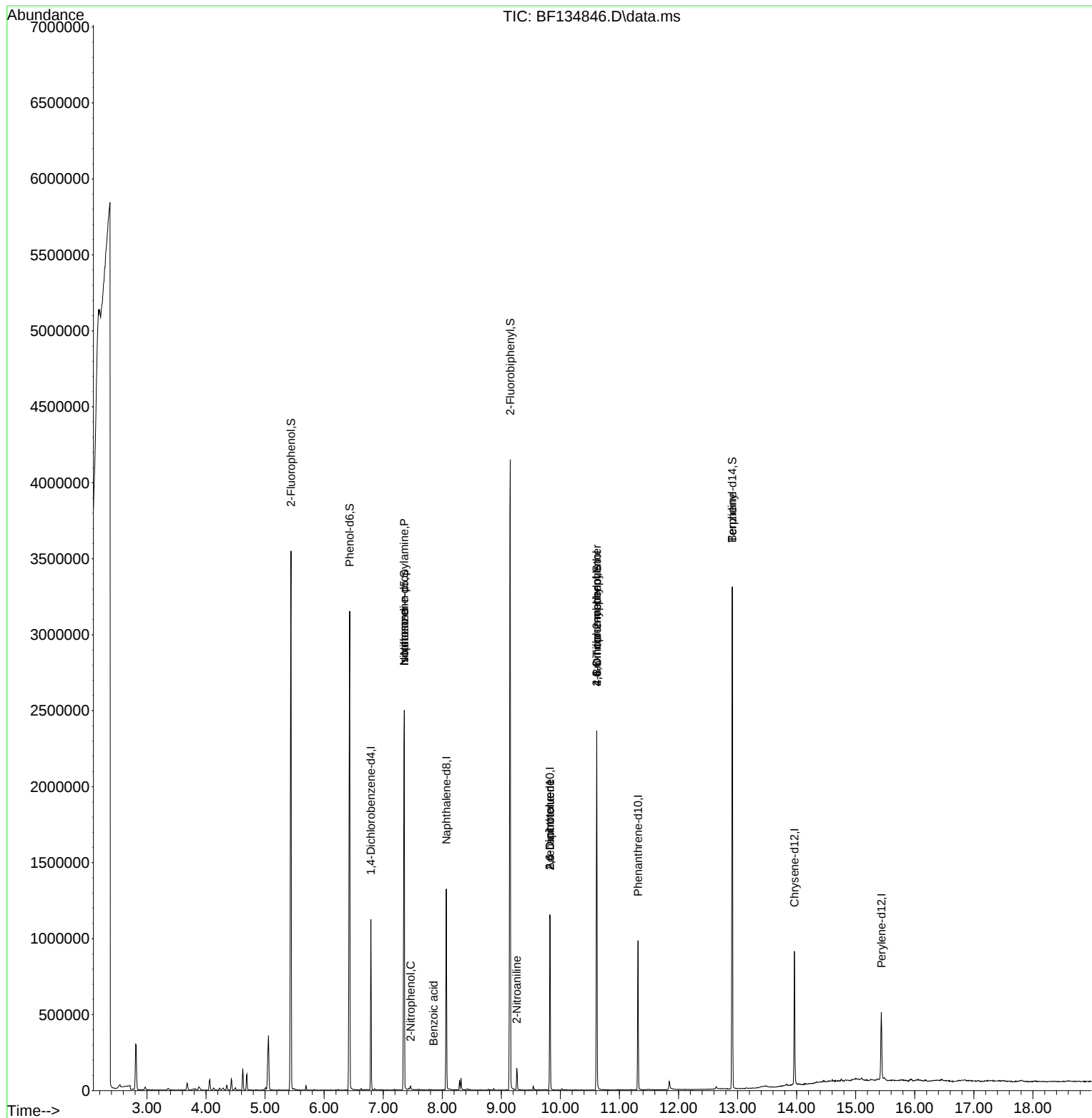
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	143442	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	560139	20.000	ng	#-0.01
39) Acenaphthene-d10	9.822	164	247272	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	339710	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	291568	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	206278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1025716	108.698	ng	0.01
7) Phenol-d6	6.434	99	1155402	95.784	ng	0.00
23) Nitrobenzene-d5	7.357	82	857536	95.672	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	290347	115.185	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1433826	96.413	ng	-0.01
79) Terphenyl-d14	12.910	244	1188239	71.843	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.351	77	141	Below Cal	#	15
19) n-Nitroso-di-n-propyla...	7.357	70	114481	15.851	ng	# 72
25) Isophorone	7.357	82	852211	43.592	ng	# 65
26) 2-Nitrophenol	7.463	139	59	4.805	ng	# 29
32) Benzoic acid	7.851	122	166	7.891	ng	# 34
48) 2-Nitroaniline	9.263	65	1323	3.441	ng	# 8
51) 2,6-Dinitrotoluene	9.822	165	32158	11.324	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	32158	10.103	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	577	9.043	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	18124	4.874	ng	# 1
77) Benzidine	12.910	184	14283	2.257	ng	# 91

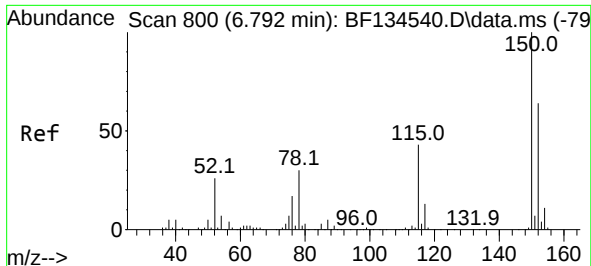
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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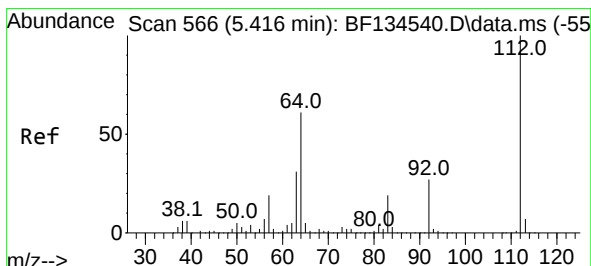
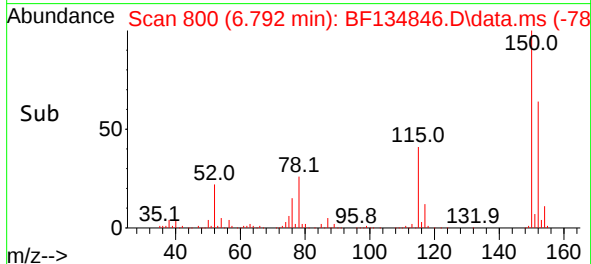
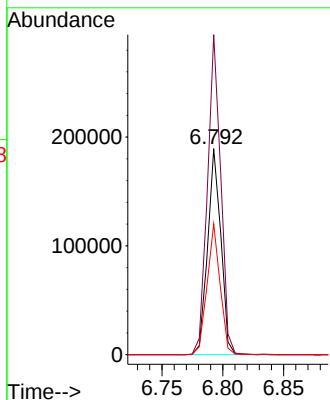
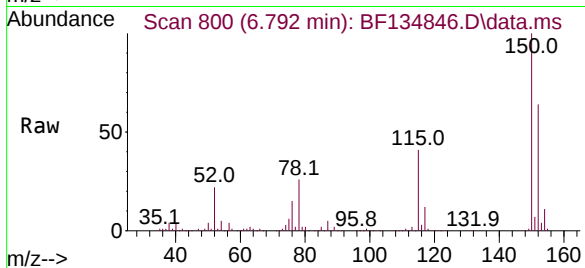




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

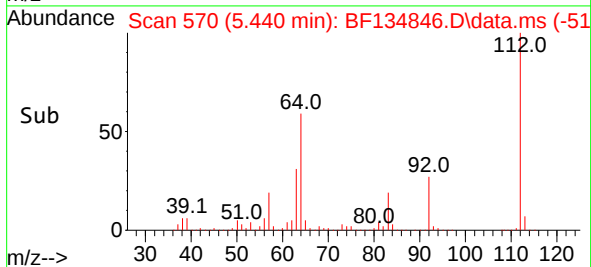
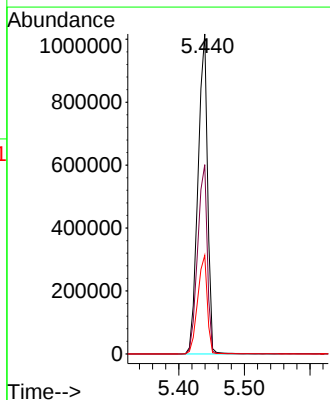
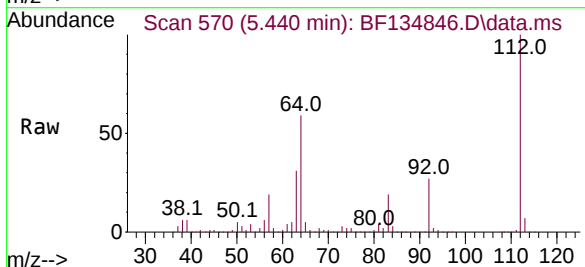
Instrument :
BNA_F
ClientSampleId :
E-2

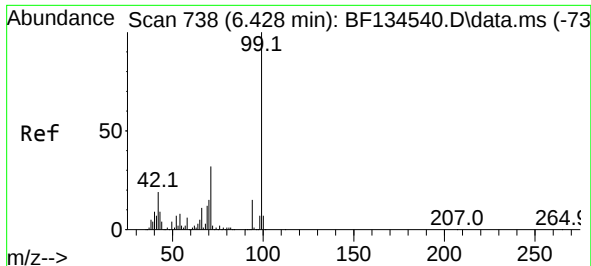
Tgt Ion:152 Resp: 143442
Ion Ratio Lower Upper
152 100
150 155.3 128.3 192.5
115 63.5 52.4 78.6



#5
2-Fluorophenol
Concen: 108.698 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

Tgt Ion:112 Resp: 1025716
Ion Ratio Lower Upper
112 100
64 59.1 44.9 67.3
63 30.8 25.4 38.0





#7
Phenol-d6
Concen: 95.784 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

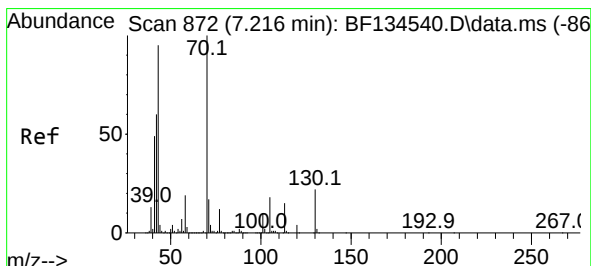
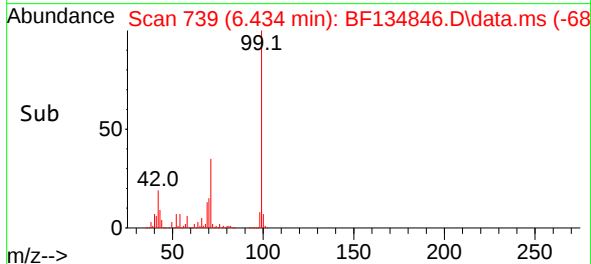
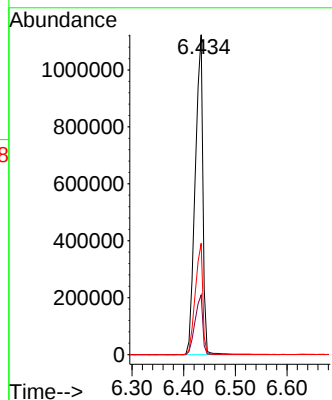
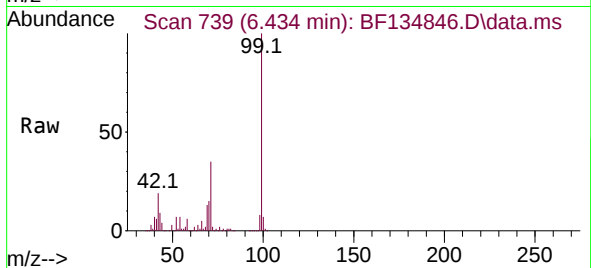
Instrument :

BNA_F

ClientSampleId :

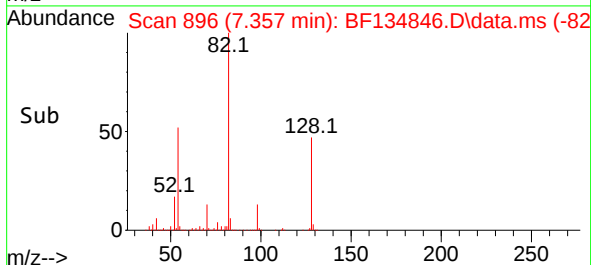
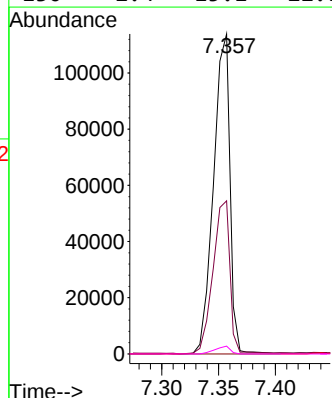
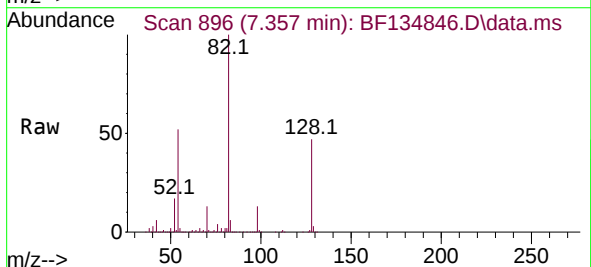
E-2

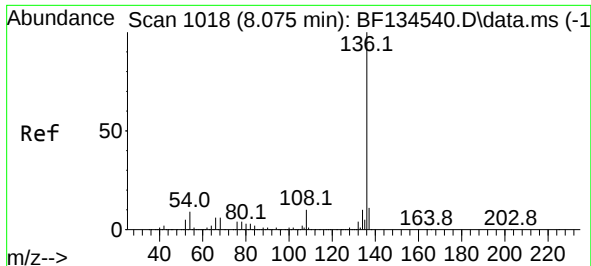
Tgt Ion: 99 Resp: 1155402
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 34.8 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 15.851 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

Tgt Ion: 70 Resp: 114481
Ion Ratio Lower Upper
70 100
42 47.8 54.7 82.1#
101 0.0 8.2 12.2#
130 2.4 15.1 22.7#

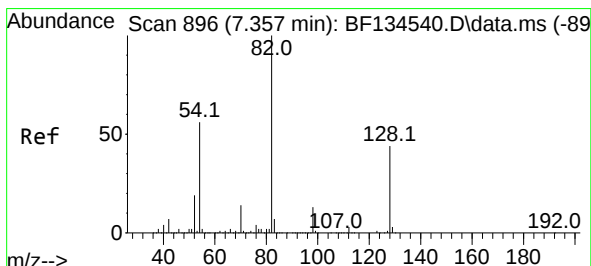
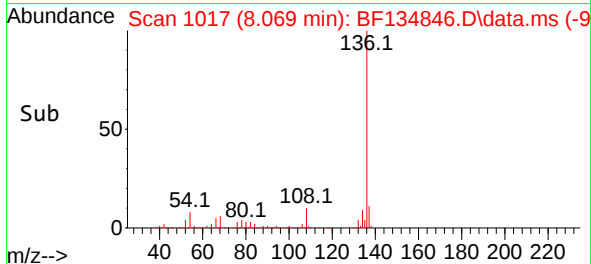
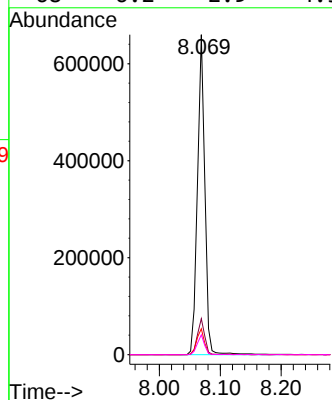
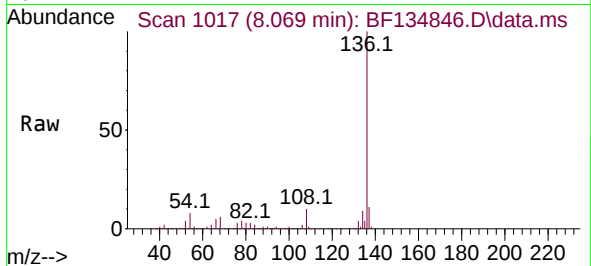




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

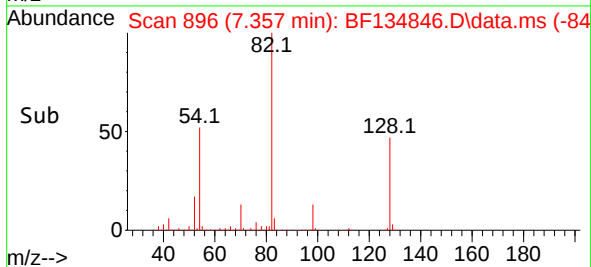
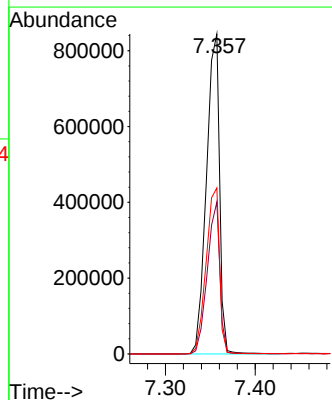
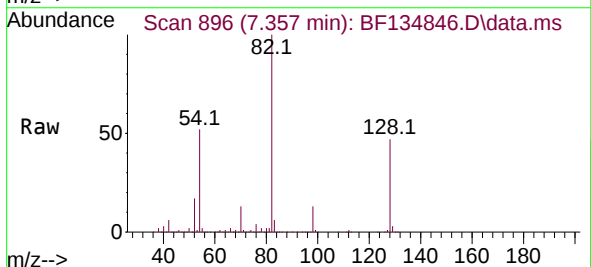
Instrument :
BNA_F
ClientSampleId :
E-2

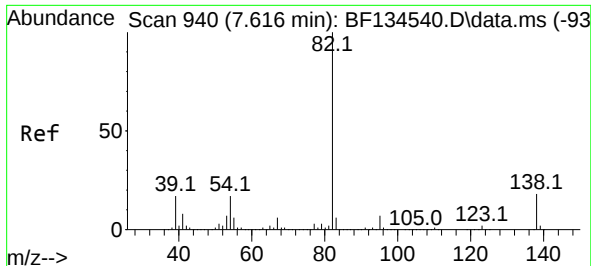
Tgt Ion:136 Resp: 560139
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.1 5.2 7.8#
68 6.2 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 95.672 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

Tgt Ion: 82 Resp: 857536
Ion Ratio Lower Upper
82 100
128 47.4 34.3 51.5
54 51.9 43.8 65.6

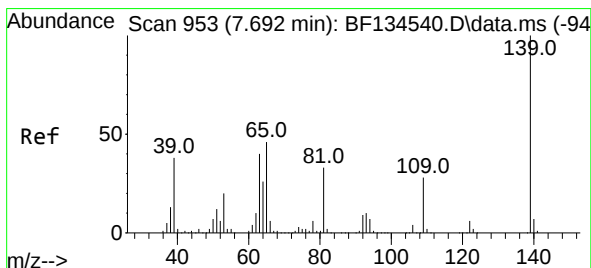
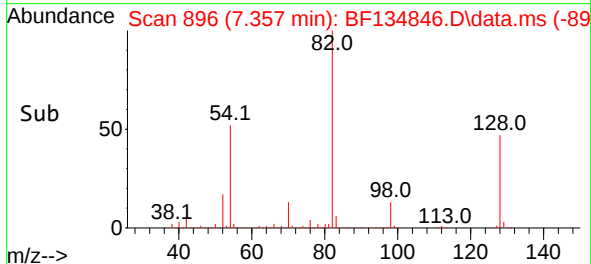
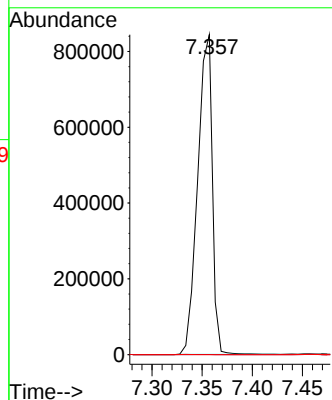
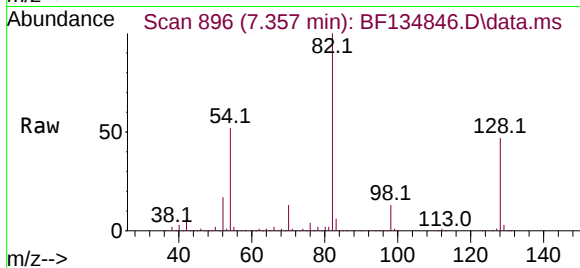




#25
Isophorone
Concen: 43.592 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

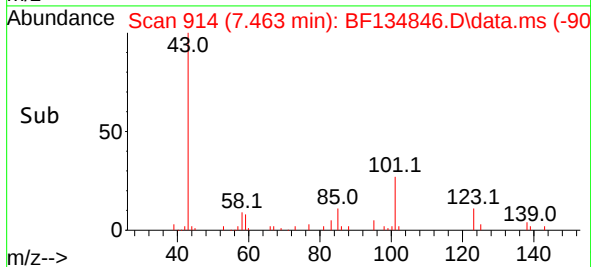
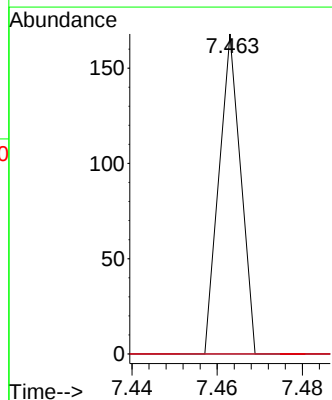
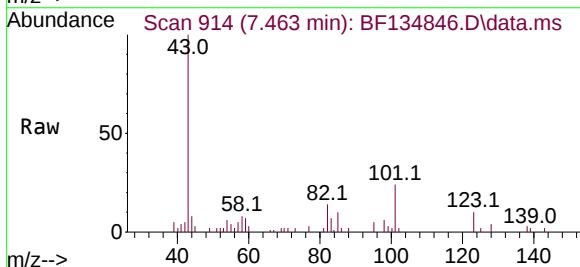
Instrument :
BNA_F
ClientSampleId :
E-2

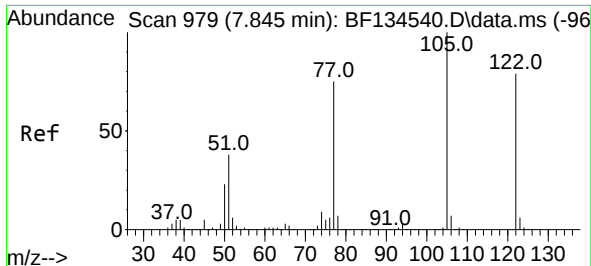
Tgt Ion: 82 Resp: 852211
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.805 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

Tgt Ion:139 Resp: 59
Ion Ratio Lower Upper
139 100
109 0.0 29.8 44.6#
65 0.0 45.4 68.2#





#32

Benzoic acid

Concen: 7.891 ng

RT: 7.851 min Scan# 980

Delta R.T. -0.012 min

Lab File: BF134846.D

Acq: 18 Aug 2023 18:14

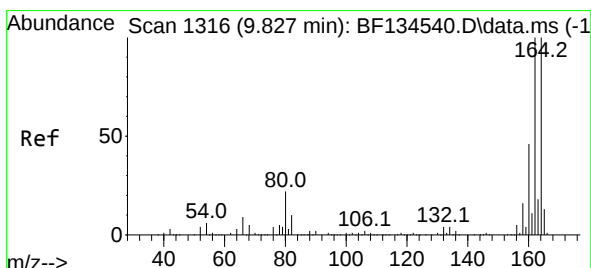
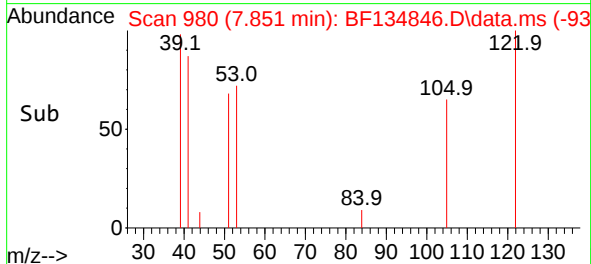
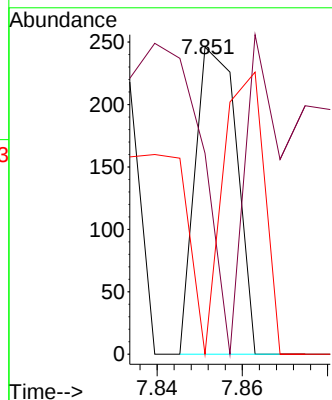
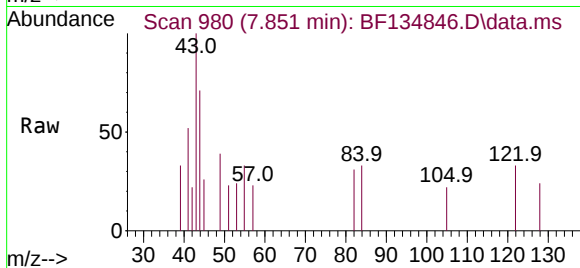
Instrument :

BNA_F

ClientSampleId :

E-2

Tgt Ion:	122	Resp:	166
Ion	Ratio	Lower	Upper
122	100		
105	65.4	87.5	127.5#
77	0.0	71.4	111.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

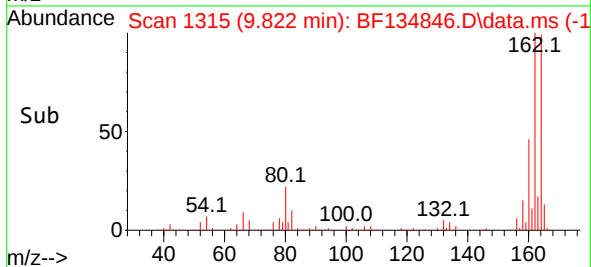
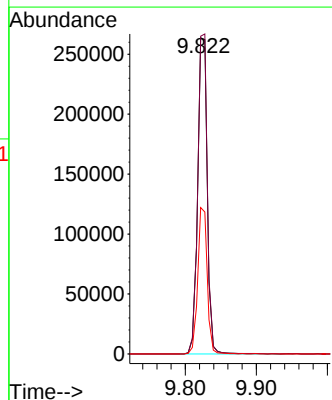
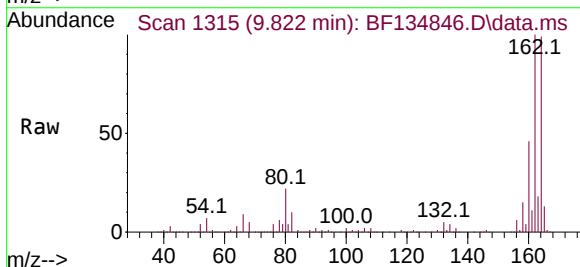
RT: 9.822 min Scan# 1315

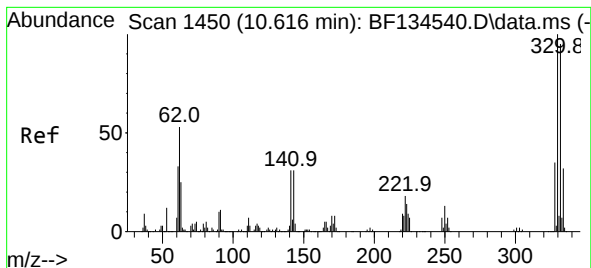
Delta R.T. -0.012 min

Lab File: BF134846.D

Acq: 18 Aug 2023 18:14

Tgt Ion:	164	Resp:	247272
Ion	Ratio	Lower	Upper
164	100		
162	100.5	82.6	123.8
160	46.3	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 115.185 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134846.D

Acq: 18 Aug 2023 18:14

Instrument :

BNA_F

ClientSampleId :

E-2

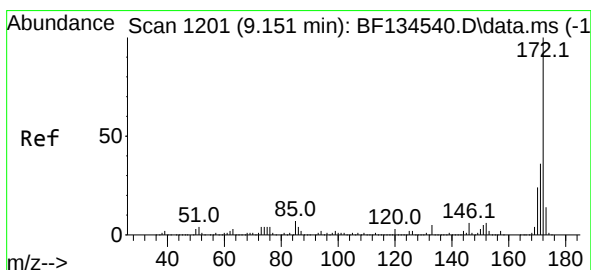
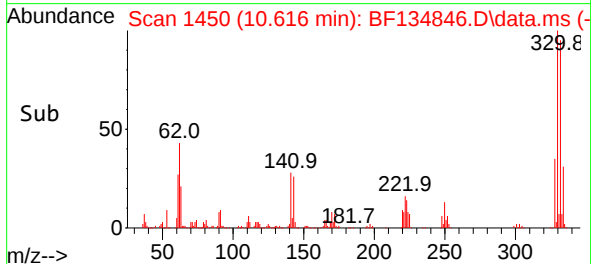
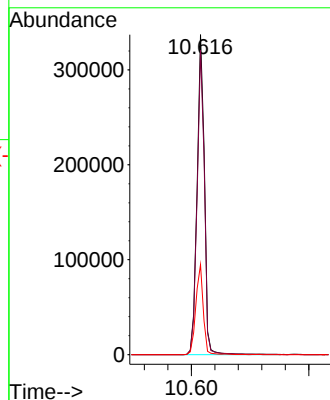
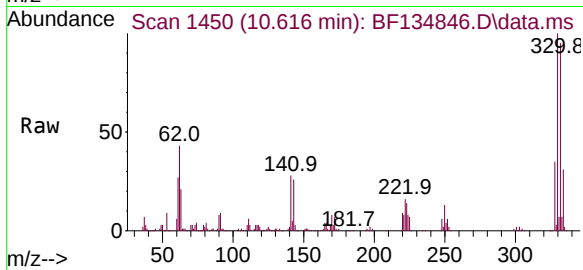
Tgt Ion:330 Resp: 290347

Ion Ratio Lower Upper

330 100

332 95.2 78.8 118.2

141 28.6 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 96.413 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134846.D

Acq: 18 Aug 2023 18:14

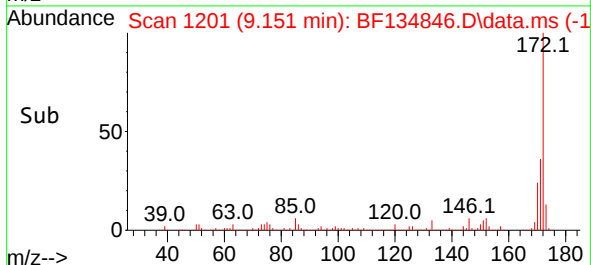
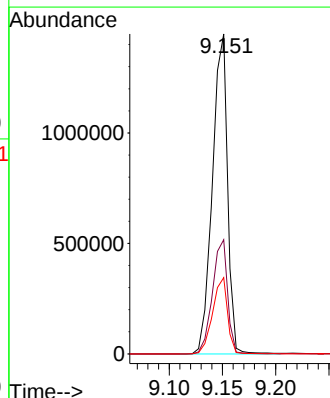
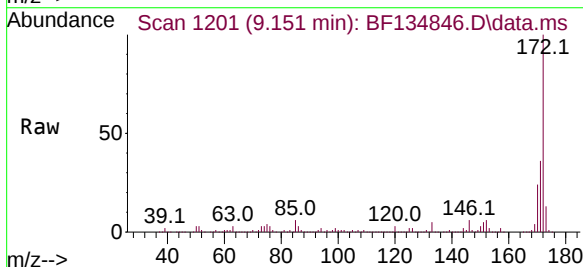
Tgt Ion:172 Resp: 1433826

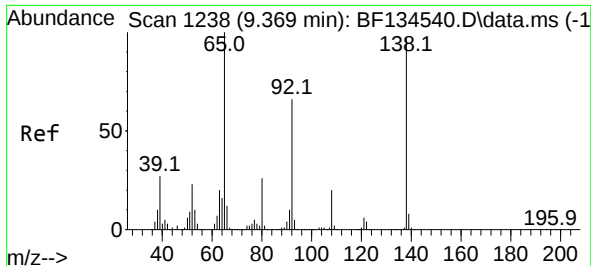
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.8 18.7 28.1

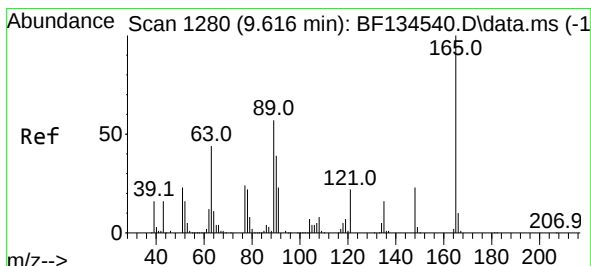
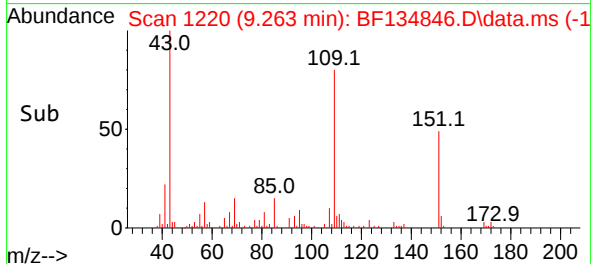
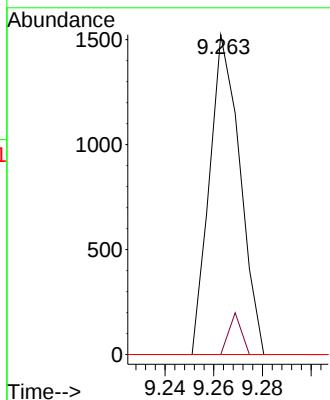
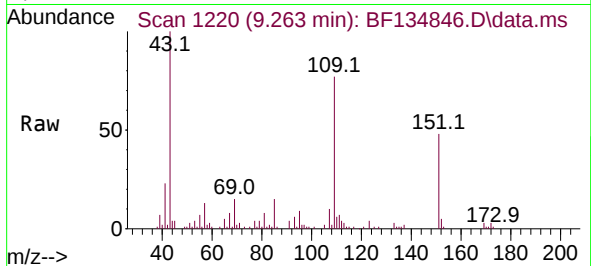




#48
2-Nitroaniline
Concen: 3.441 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.118 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

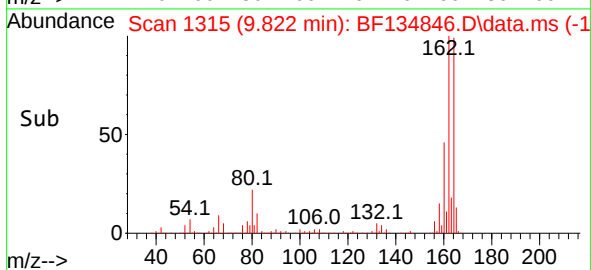
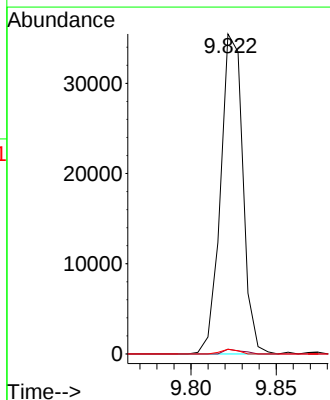
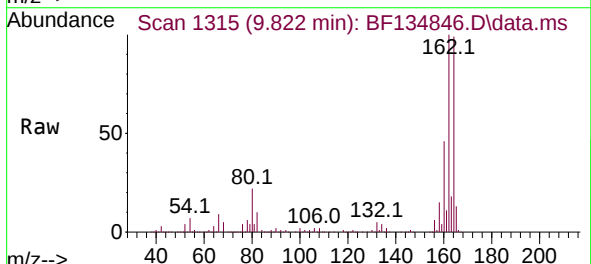
Instrument :
BNA_F
ClientSampleId :
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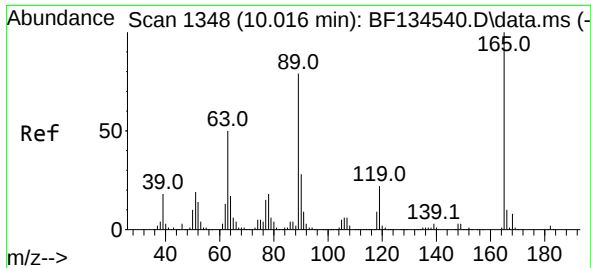
Tgt Ion: 65 Resp: 1323
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 0.0 78.2 117.4#



#51
2,6-Dinitrotoluene
Concen: 11.324 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.194 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

Tgt Ion:165 Resp: 32158
Ion Ratio Lower Upper
165 100
63 1.5 57.8 86.6#
89 1.4 51.8 77.8#

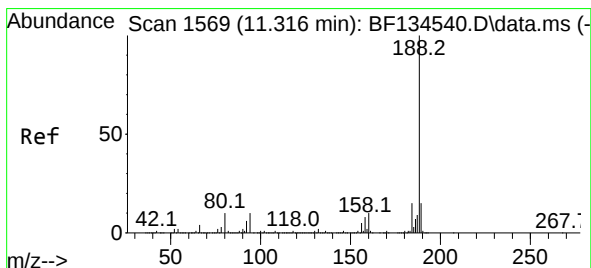
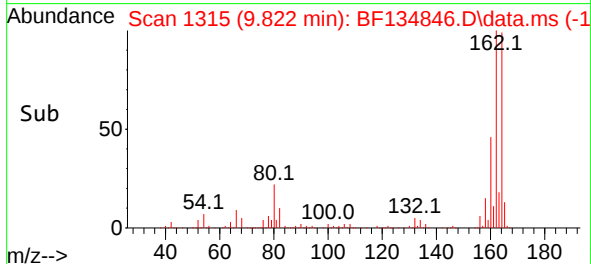
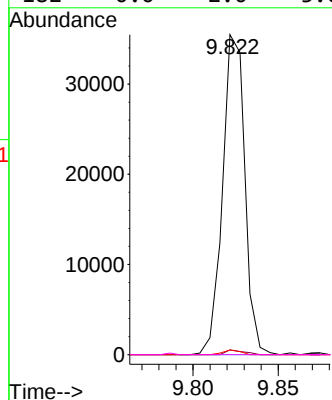
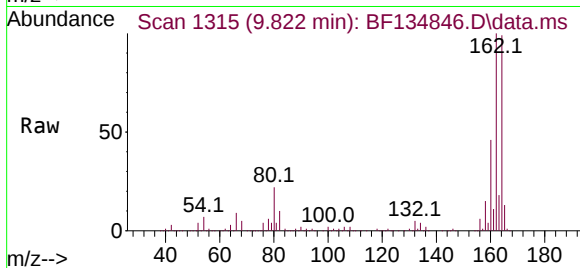




#57
2,4-Dinitrotoluene
Concen: 10.103 ng
RT: 9.822 min Scan# 1348
Delta R.T. -0.206 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

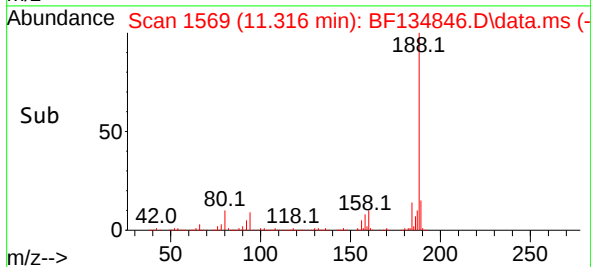
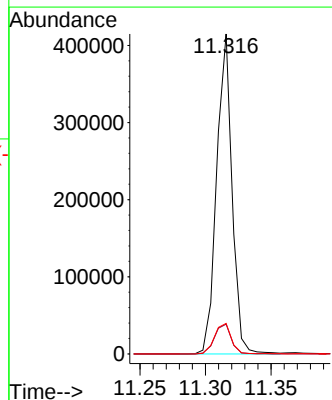
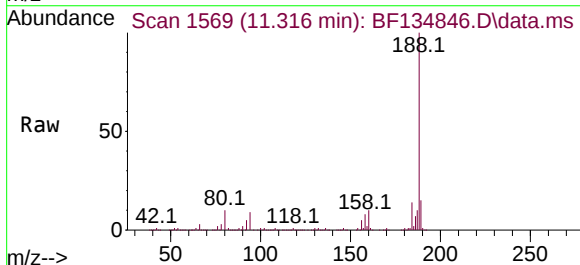
Instrument :
BNA_F
ClientSampleId :
E-2

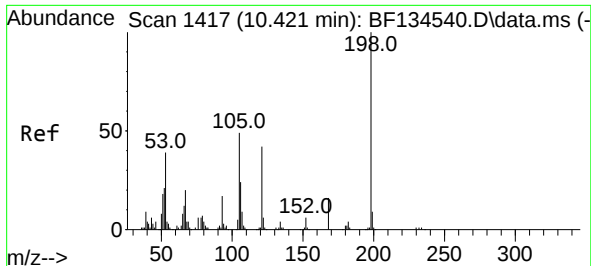
Tgt Ion:165 Resp: 32158
Ion Ratio Lower Upper
165 100
63 1.5 48.9 73.3#
89 1.4 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134846.D
Acq: 18 Aug 2023 18:14

Tgt Ion:188 Resp: 339710
Ion Ratio Lower Upper
188 100
94 9.3 5.1 7.7#
80 9.5 6.6 9.8





#65

4,6-Dinitro-2-methylphenol

Concen: 9.043 ng

RT: 10.616 min Scan# 1417

Delta R.T. 0.177 min

Lab File: BF134846.D

Acq: 18 Aug 2023 18:14

Instrument :

BNA_F

ClientSampleId :

E-2

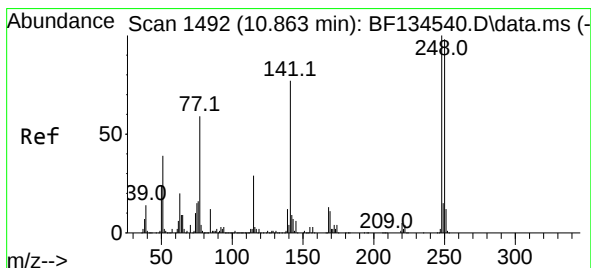
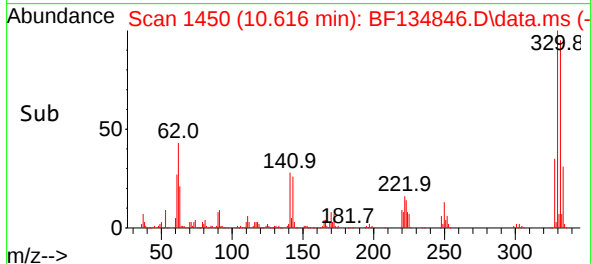
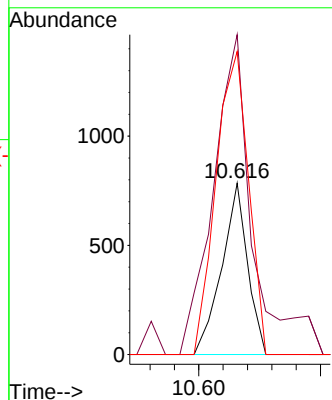
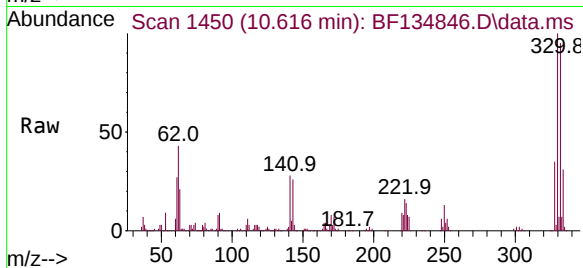
Tgt Ion:198 Resp: 577

Ion Ratio Lower Upper

198 100

51 186.6 38.6 78.6#

105 176.8 27.9 67.9#



#67

4-Bromophenyl-phenylether

Concen: 4.874 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF134846.D

Acq: 18 Aug 2023 18:14

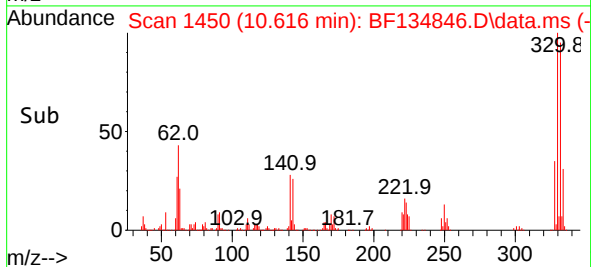
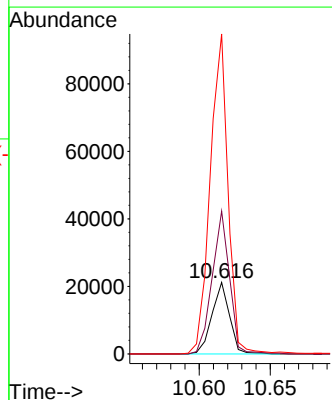
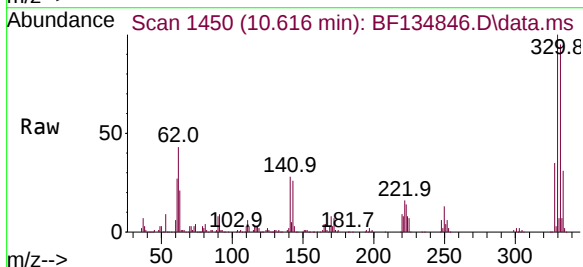
Tgt Ion:248 Resp: 18124

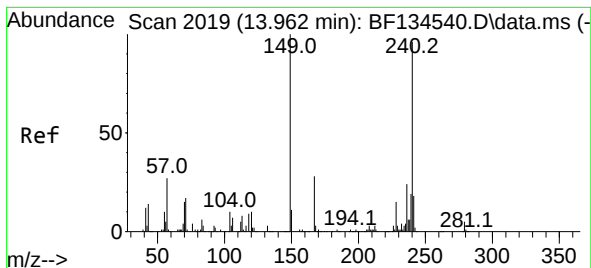
Ion Ratio Lower Upper

248 100

250 200.0 79.6 119.4#

141 448.2 59.6 89.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134846.D

Acq: 18 Aug 2023 18:14

Instrument :

BNA_F

ClientSampleId :

E-2

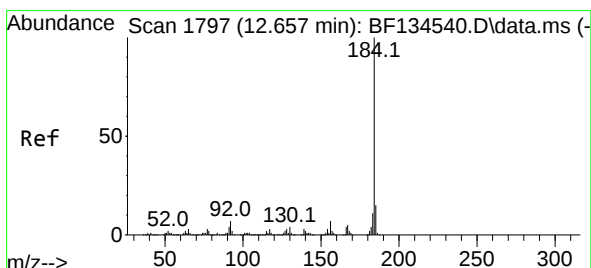
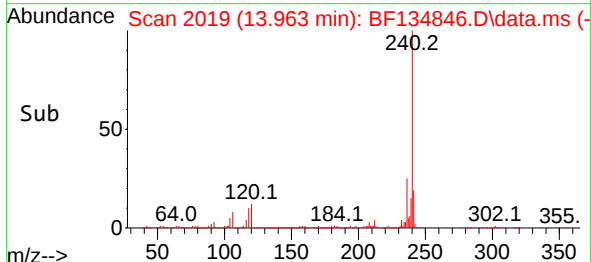
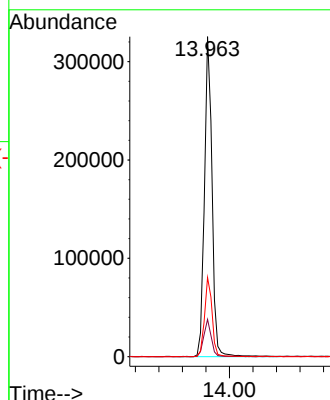
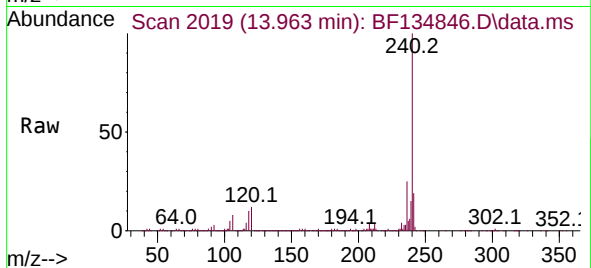
Tgt Ion:240 Resp: 291568

Ion Ratio Lower Upper

240 100

120 11.6 6.6 10.0#

236 24.7 20.2 30.2



#77

Benzidine

Concen: 2.257 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.247 min

Lab File: BF134846.D

Acq: 18 Aug 2023 18:14

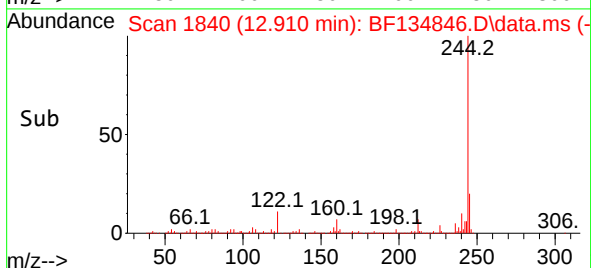
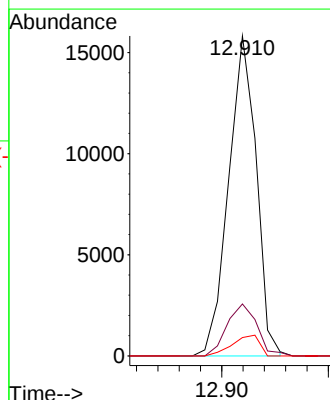
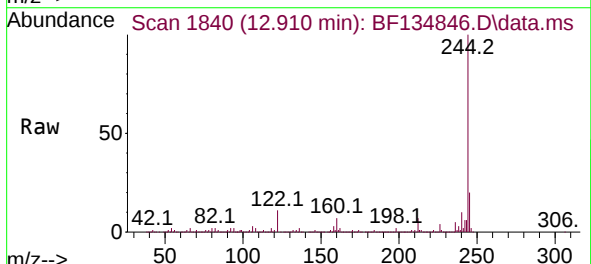
Tgt Ion:184 Resp: 14283

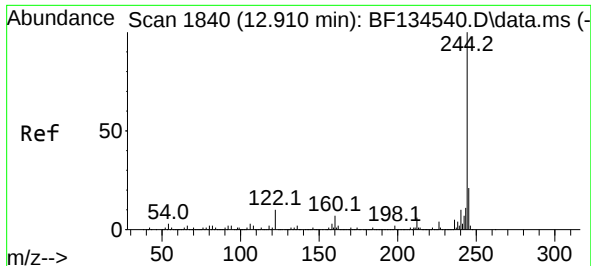
Ion Ratio Lower Upper

184 100

185 16.2 11.2 16.8

183 5.7 8.6 13.0#

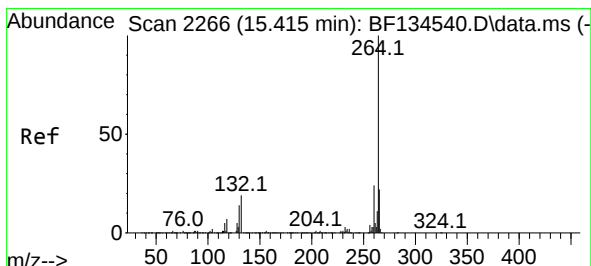
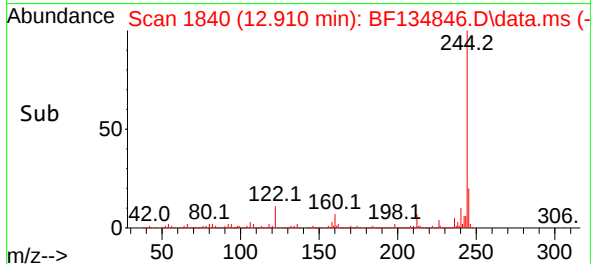
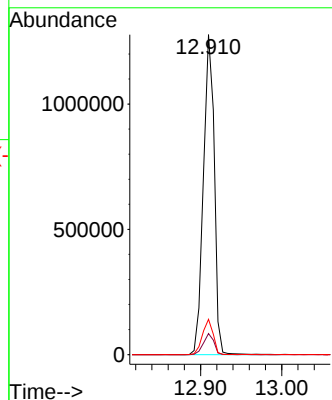
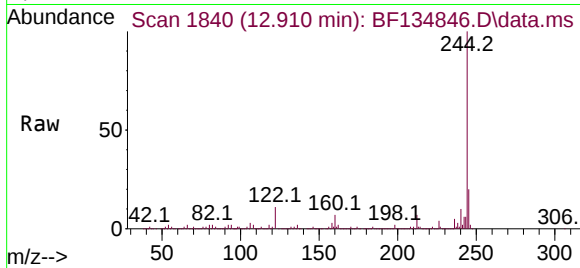




#79
 Terphenyl-d14
 Concen: 71.843 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134846.D
 Acq: 18 Aug 2023 18:14

Instrument :
 BNA_F
 ClientSampleId :
 E-2

Tgt Ion:244 Resp: 1188239
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 11.0 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF134846.D
 Acq: 18 Aug 2023 18:14

Tgt Ion:264 Resp: 206278
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.4 27.6
 265 22.3 15.8 23.8

