

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134650.D
 Acq On : 07 Aug 2023 12:58
 Operator : CG\JU
 Sample : 03887-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 08 01:20:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

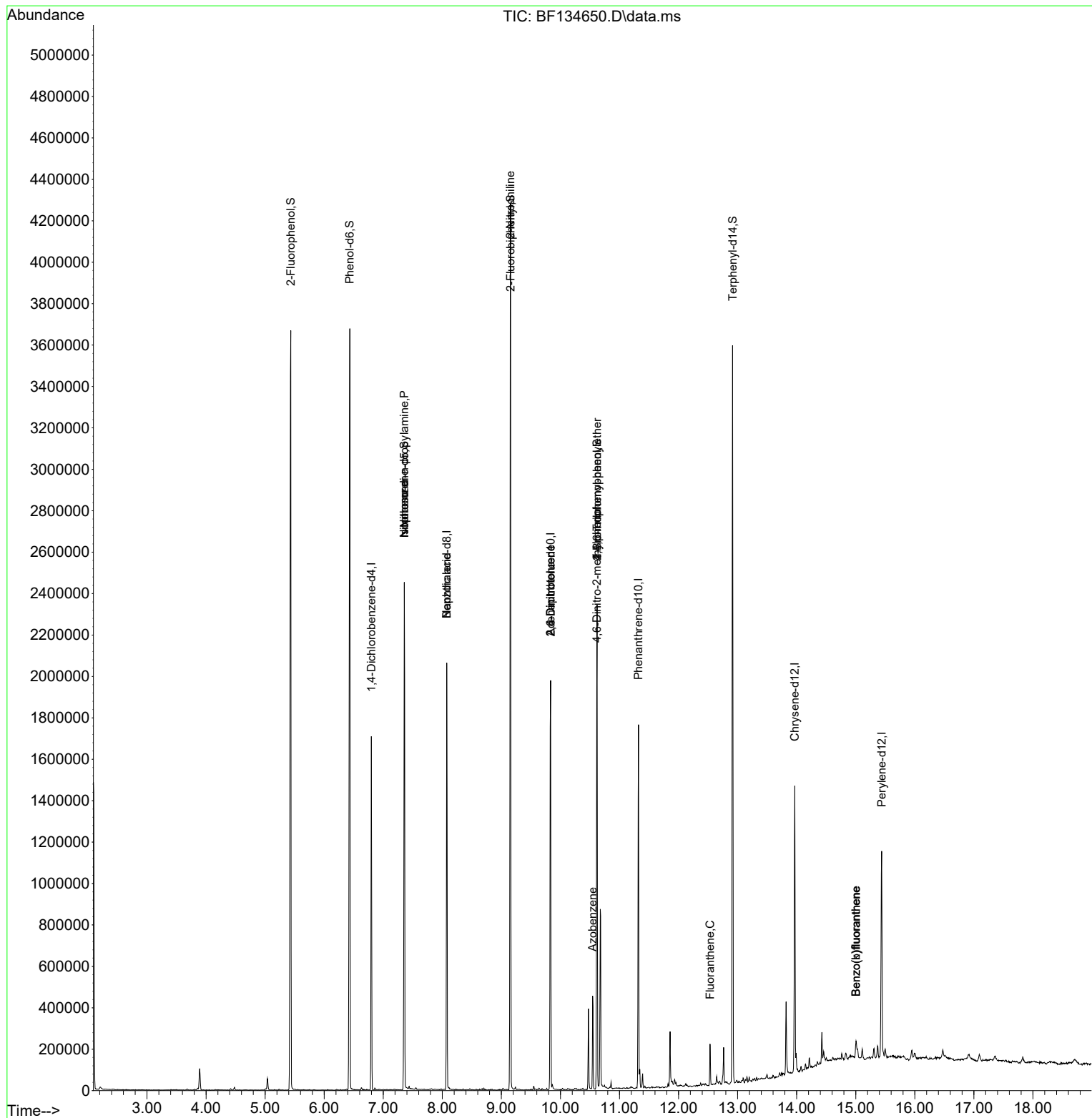
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	218656	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	836916	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	385966	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	598754	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	455349	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	463332	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1055911	73.407	ng	0.00
7) Phenol-d6	6.434	99	1310589	71.276	ng	0.00
23) Nitrobenzene-d5	7.357	82	774461	57.829	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	280562	71.307	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1339381	57.699	ng	0.00
79) Terphenyl-d14	12.916	244	1189677	46.058	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	160	Below Cal	#	62
19) n-Nitroso-di-n-propyla...	7.357	70	108101	9.819 ng	#	73
25) Isophorone	7.357	82	769524	26.345 ng	#	65
32) Benzoic acid	8.075	122	224	7.889 ng	#	1
48) 2-Nitroaniline	9.151	65	2289	3.471 ng	#	1
51) 2,6-Dinitrotoluene	9.833	165	50662	11.406 ng	#	17
57) 2,4-Dinitrotoluene	9.833	165	50662	10.171 ng	#	18
63) Azobenzene	10.545	77	75524	2.819 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.616	198	613	8.906 ng	#	1
67) 4-Bromophenyl-phenylether	10.622	248	16993	2.593 ng	#	1
75) Fluoranthene	12.533	202	72529	2.159 ng		97
88) Benzo(b)fluoranthene	15.004	252	58626	2.075 ng	#	92
89) Benzo(k)fluoranthene	15.004	252	58626	2.083 ng	#	94

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

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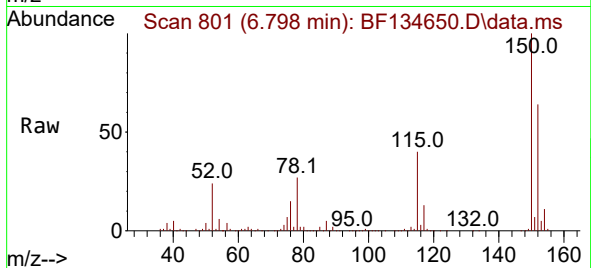
Quant Time: Aug 08 01:20:46 2023
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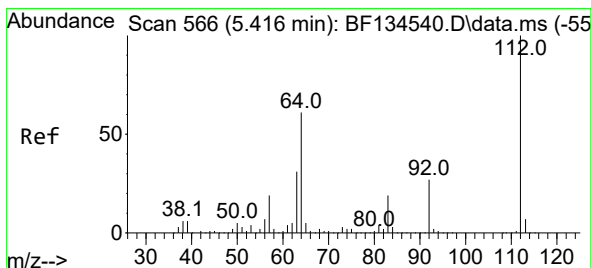
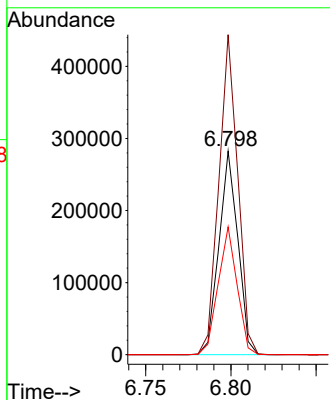
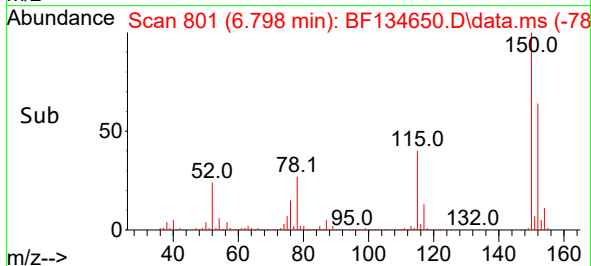


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

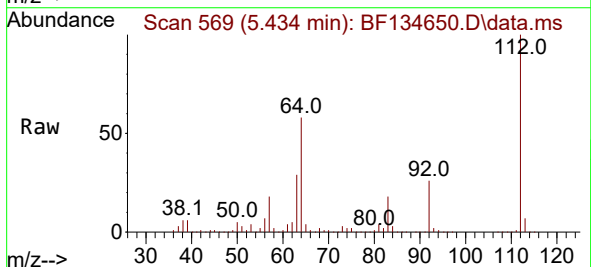
Instrument :
BNA_N
ClientSampleId :



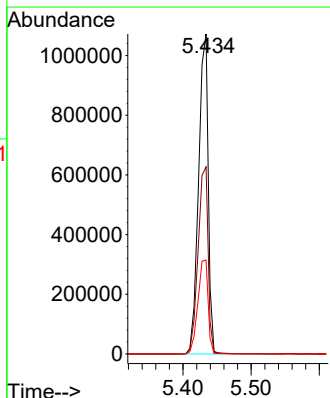
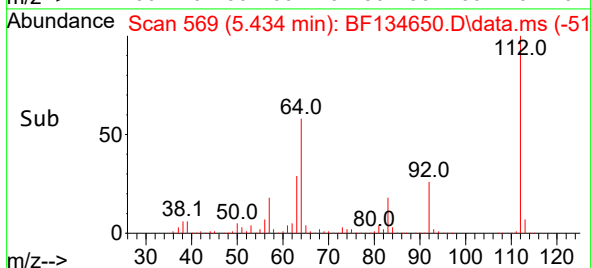
Tgt Ion:152 Resp: 218656
Ion Ratio Lower Upper
152 100
150 157.2 128.3 192.5
115 62.8 52.4 78.6



#5
2-Fluorophenol
Concen: 73.407 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58



Tgt Ion:112 Resp: 1055911
Ion Ratio Lower Upper
112 100
64 58.4 44.9 67.3
63 29.4 25.4 38.0

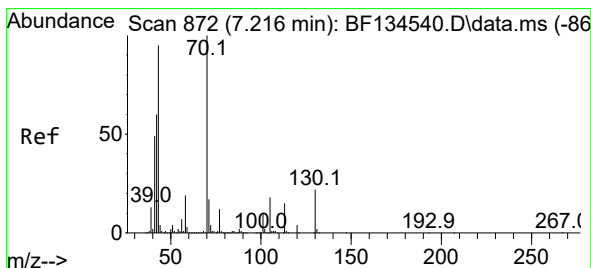
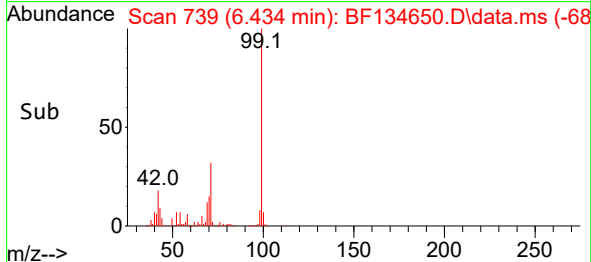
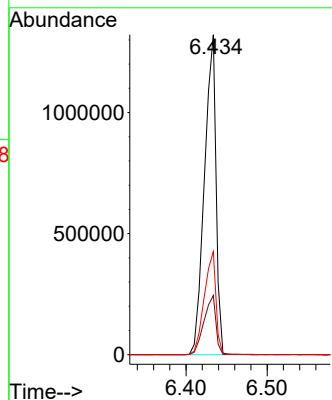
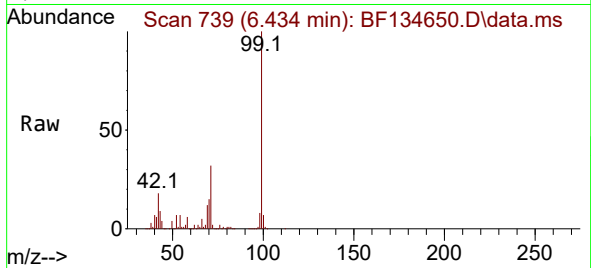




#7
Phenol-d6
Concen: 71.276 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

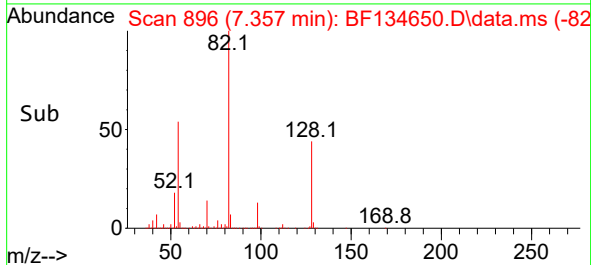
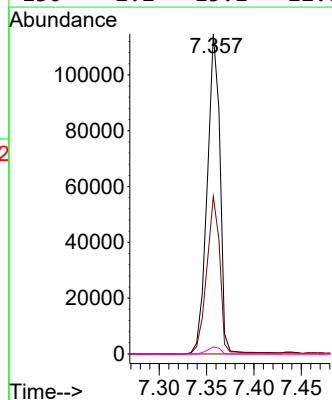
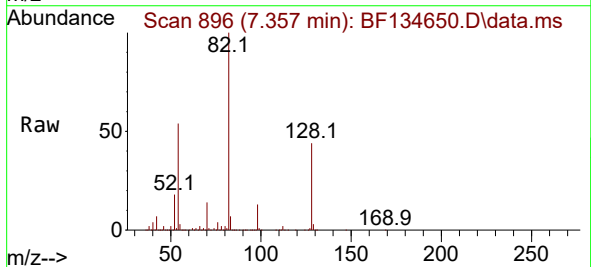
Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 1310589
Ion Ratio Lower Upper
99 100
42 18.5 18.7 28.1#
71 32.2 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.819 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

Tgt Ion: 70 Resp: 108101
Ion Ratio Lower Upper
70 100
42 49.2 54.7 82.1#
101 0.0 8.2 12.2#
130 2.2 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.006 min

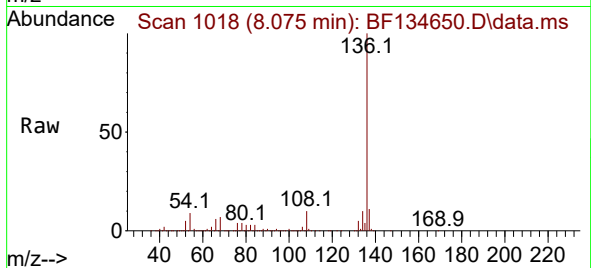
Lab File: BF134650.D

Acq: 07 Aug 2023 12:58

Instrument :

BNA_N

ClientSampleId :



Tgt Ion:136 Resp: 836916

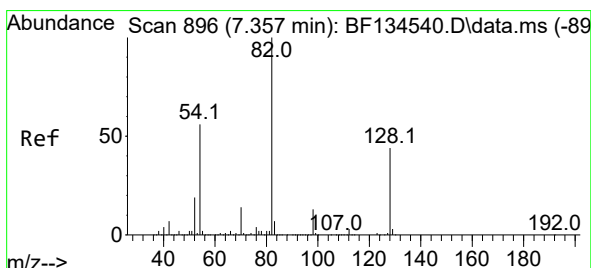
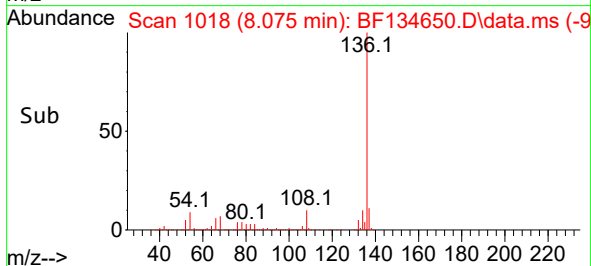
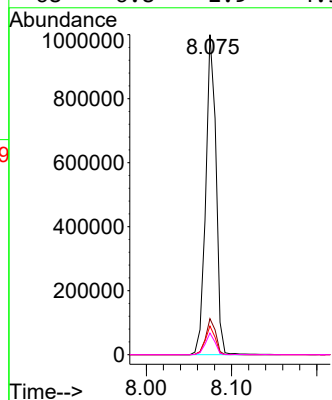
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 9.0 5.2 7.8#

68 6.8 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 57.829 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134650.D

Acq: 07 Aug 2023 12:58

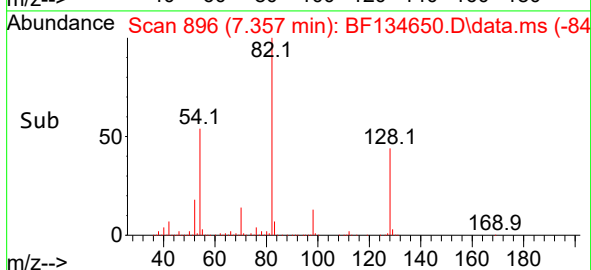
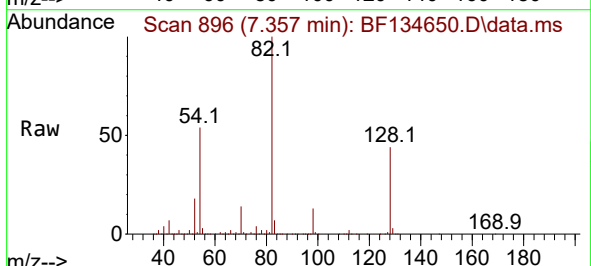
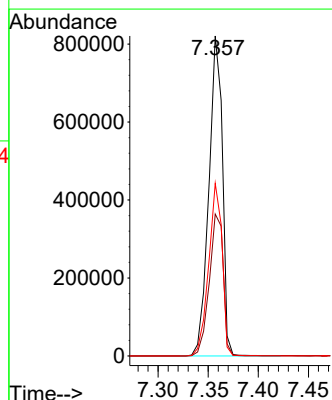
Tgt Ion: 82 Resp: 774461

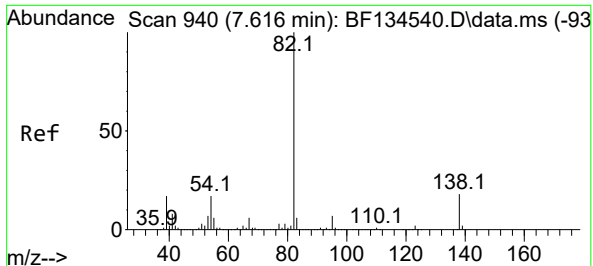
Ion Ratio Lower Upper

82 100

128 44.3 34.3 51.5

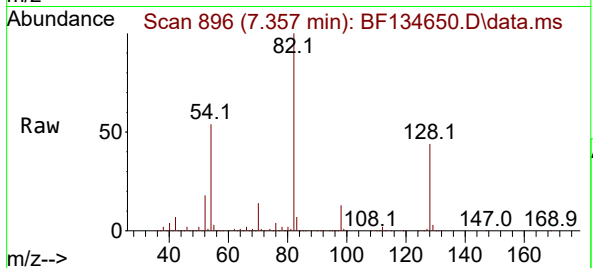
54 54.0 43.8 65.6



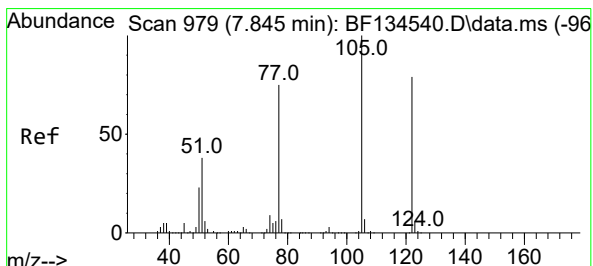
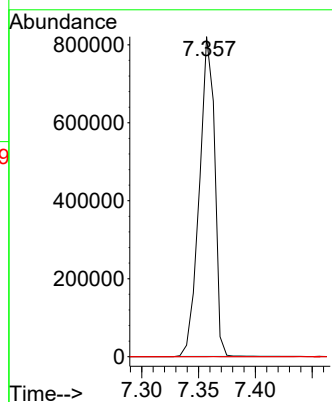
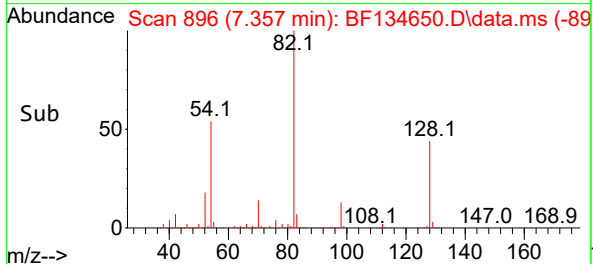


#25
Isophorone
Concen: 26.345 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

Instrument :
BNA_N
ClientSampleId :

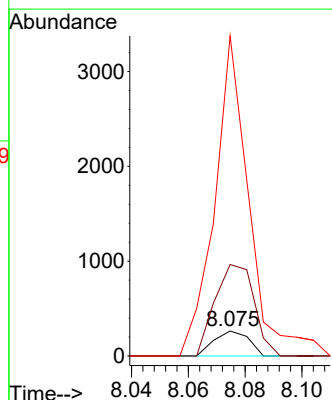
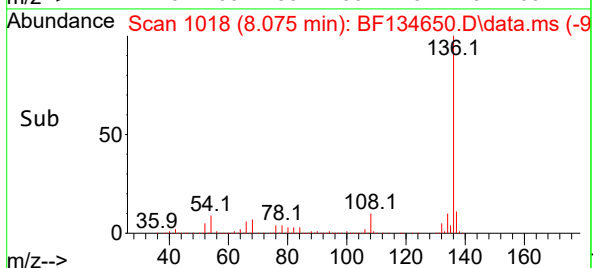
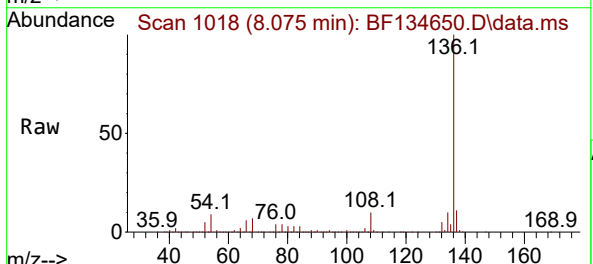


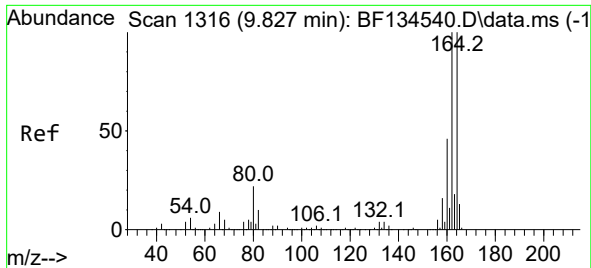
Tgt Ion: 82 Resp: 769524
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.889 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.212 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

Tgt Ion:122 Resp: 224
Ion Ratio Lower Upper
122 100
105 365.9 87.5 127.5#
77 1278.4 71.4 111.4#

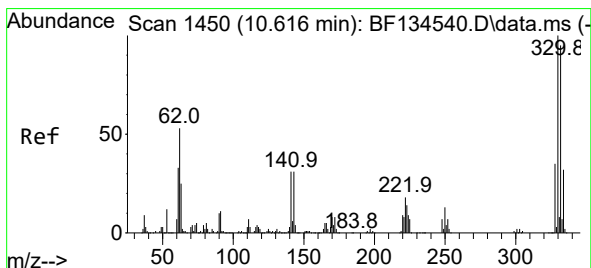
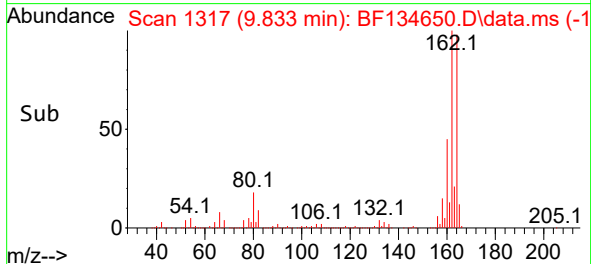
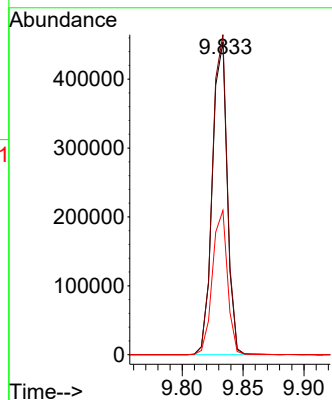
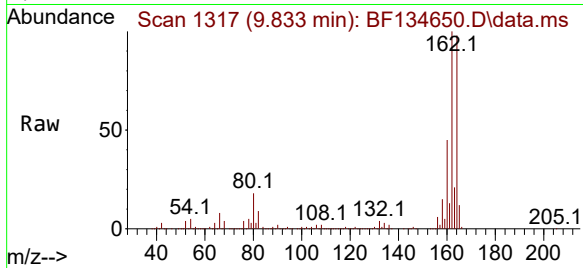




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

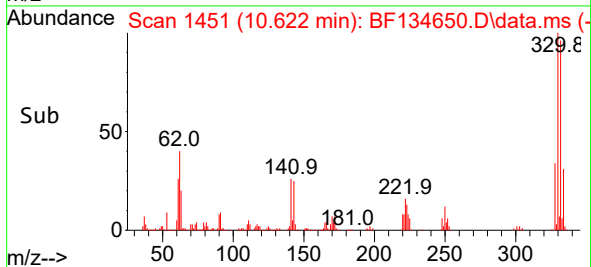
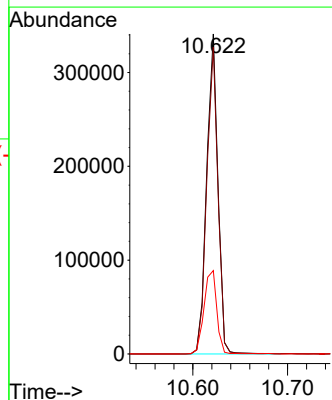
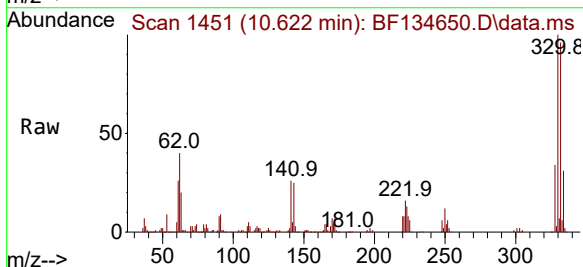
Instrument :
BNA_N
ClientSampleId :

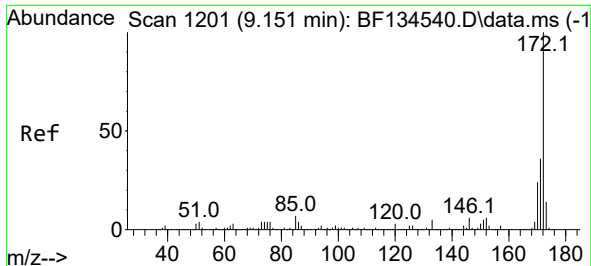
Tgt Ion:164 Resp: 385966
Ion Ratio Lower Upper
164 100
162 102.4 82.6 123.8
160 46.1 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 71.307 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

Tgt Ion:330 Resp: 280562
Ion Ratio Lower Upper
330 100
332 95.4 78.8 118.2
141 29.6 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 57.699 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

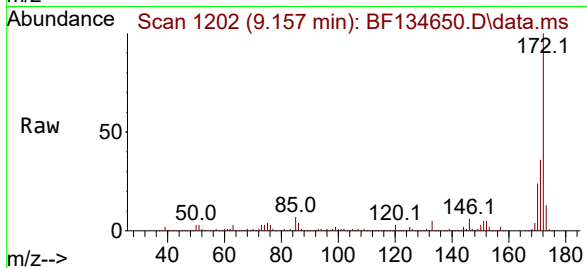
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Acq: 07 Aug 2023 12:58

Instrument :

BNA_N

ClientSampleId :



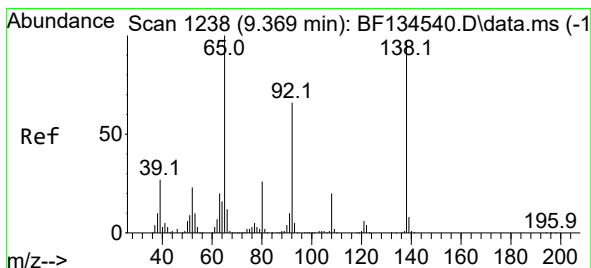
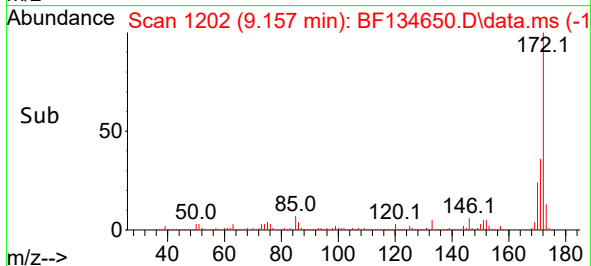
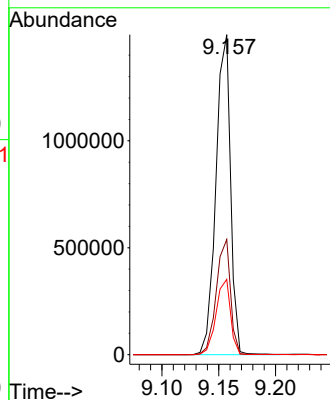
Tgt Ion:172 Resp: 1339381

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.5 18.7 28.1



#48

2-Nitroaniline

Concen: 3.471 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.229 min

Lab File: BF134650.D

Acq: 07 Aug 2023 12:58

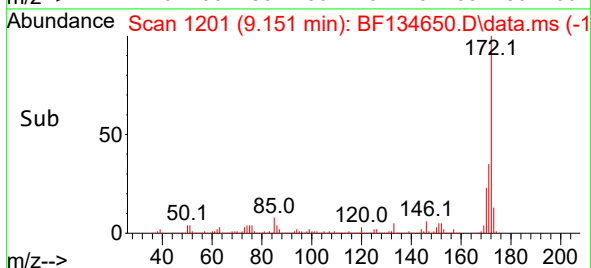
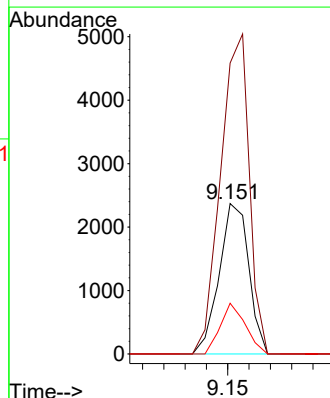
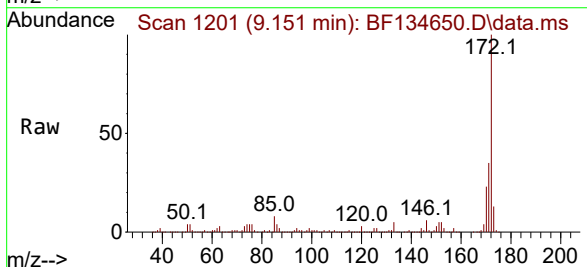
Tgt Ion: 65 Resp: 2289

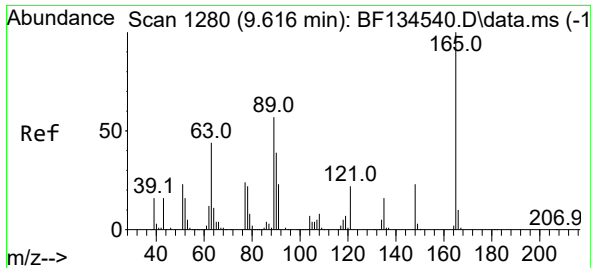
Ion Ratio Lower Upper

65 100

92 193.3 50.7 76.1#

138 33.7 78.2 117.4#

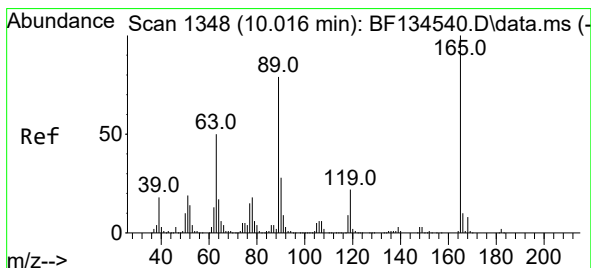
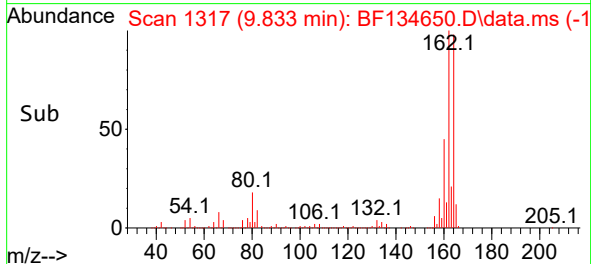
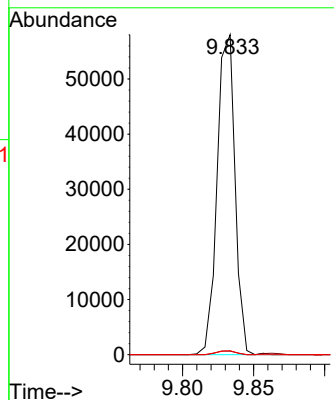
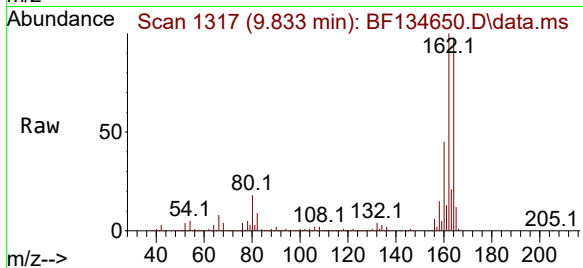




#51
2,6-Dinitrotoluene
Concen: 11.406 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

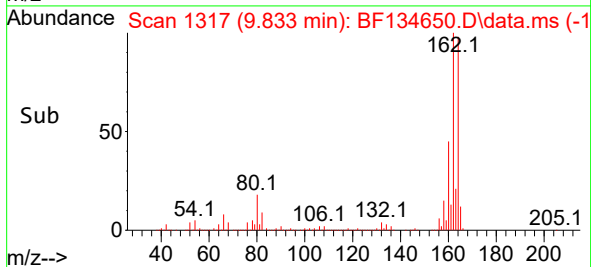
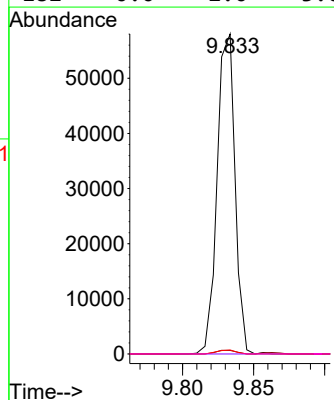
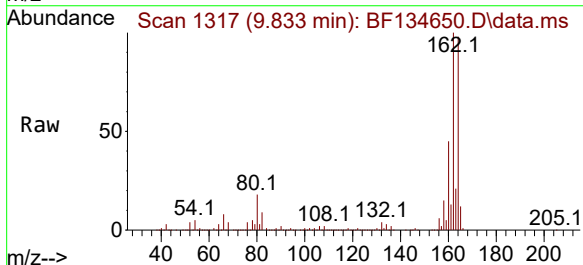
Instrument :
BNA_N
ClientSampleId :

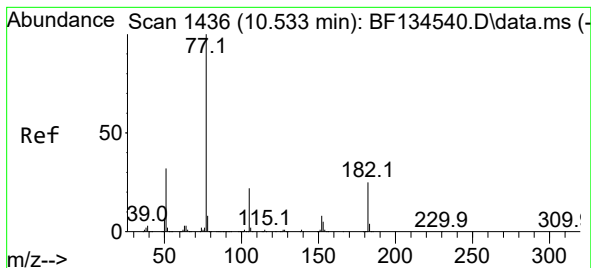
Tgt Ion:165 Resp: 50662
Ion Ratio Lower Upper
165 100
63 1.1 57.8 86.6#
89 1.3 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.171 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

Tgt Ion:165 Resp: 50662
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 1.3 61.7 92.5#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.819 ng

RT: 10.545 min Scan# 14

Delta R.T. 0.006 min

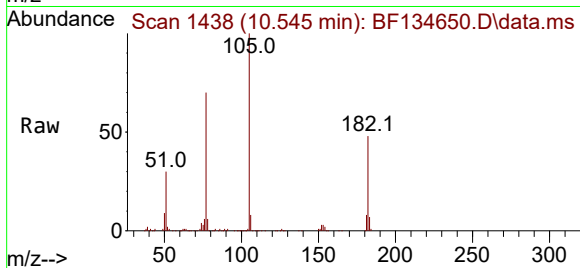
Lab File: BF134650.D

Acq: 07 Aug 2023 12:58

Instrument :

BNA_N

ClientSampleId :



Tgt Ion: 77 Resp: 75524

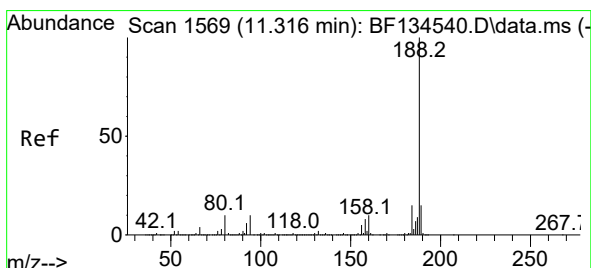
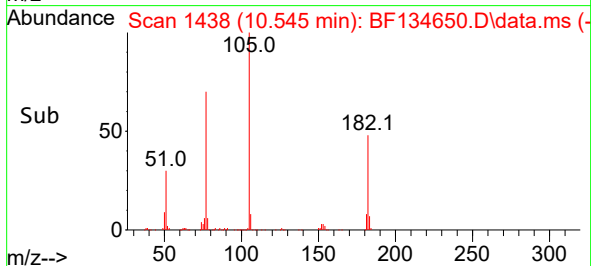
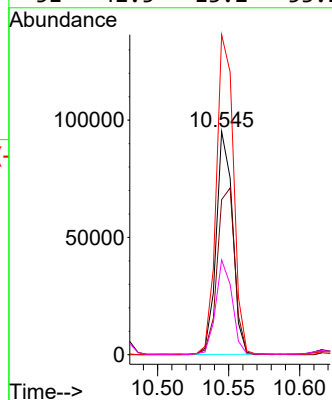
Ion Ratio Lower Upper

77 100

182 69.4 7.5 47.5#

105 143.4 1.9 41.9#

51 42.5 13.2 53.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF134650.D

Acq: 07 Aug 2023 12:58

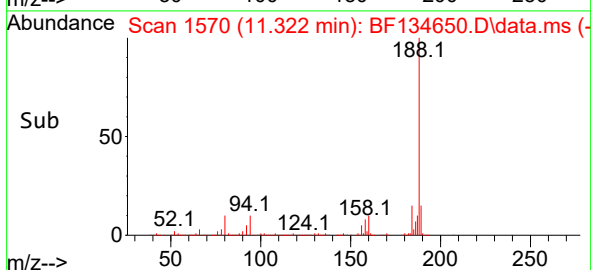
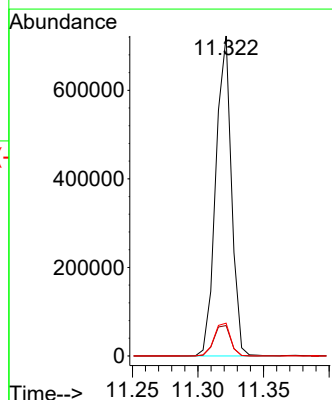
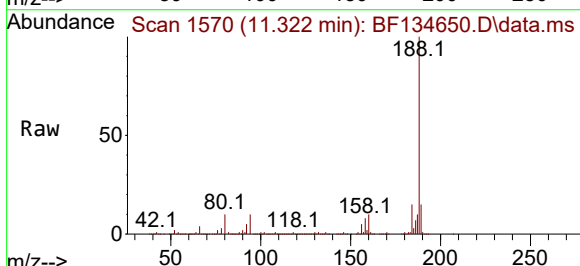
Tgt Ion: 188 Resp: 598754

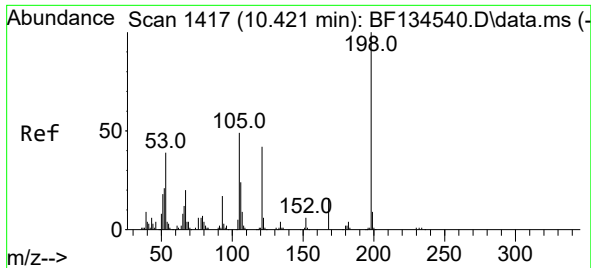
Ion Ratio Lower Upper

188 100

94 9.5 5.1 7.7#

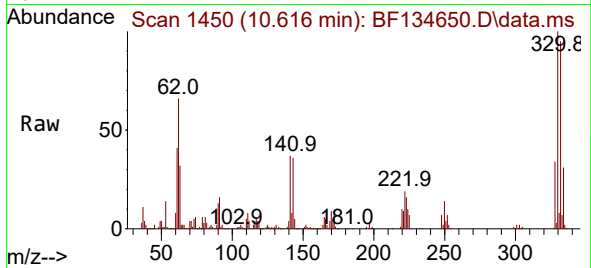
80 10.3 6.6 9.8#



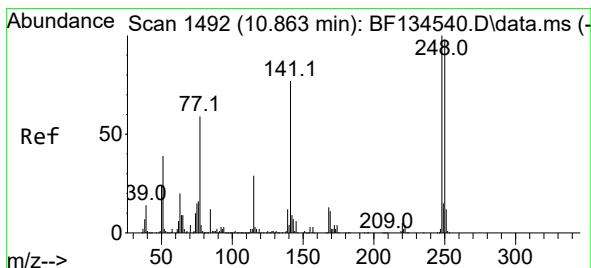
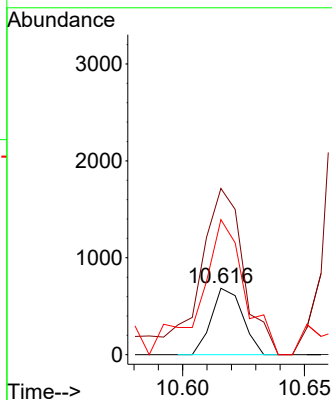
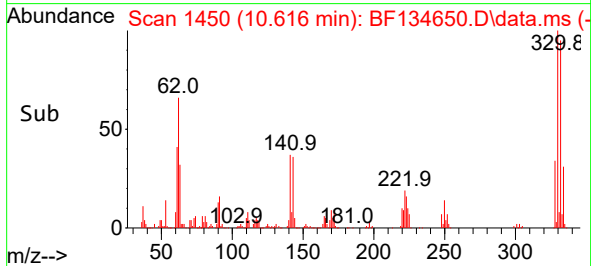


#65
4,6-Dinitro-2-methylphenol
Concen: 8.906 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.176 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

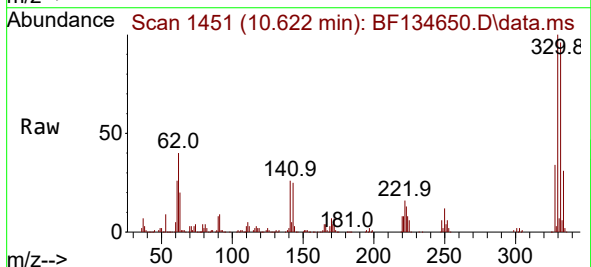
Instrument :
BNA_N
ClientSampleId :



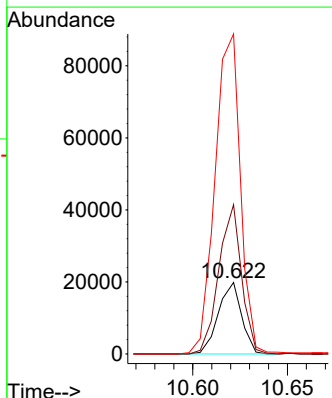
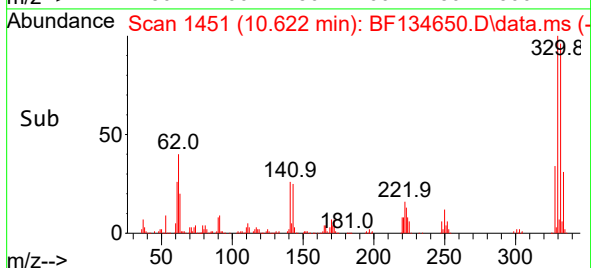
Tgt Ion:198 Resp: 613
Ion Ratio Lower Upper
198 100
51 250.4 38.6 78.6#
105 203.5 27.9 67.9#

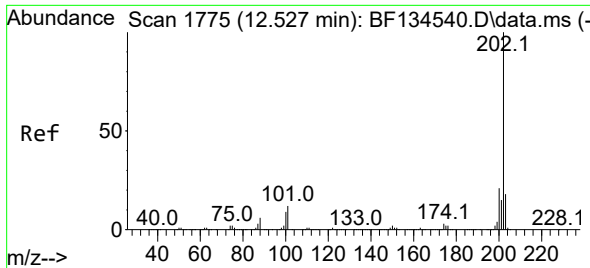


#67
4-Bromophenyl-phenylether
Concen: 2.593 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58



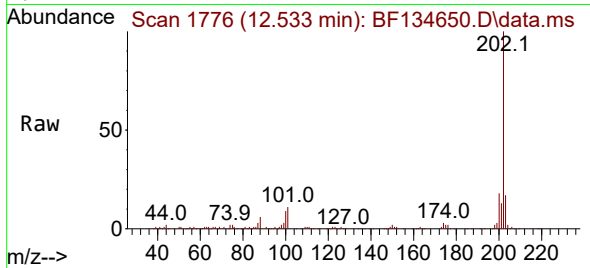
Tgt Ion:248 Resp: 16993
Ion Ratio Lower Upper
248 100
250 208.9 79.6 119.4#
141 447.5 59.6 89.4#



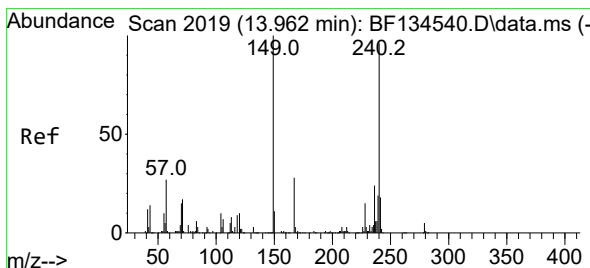
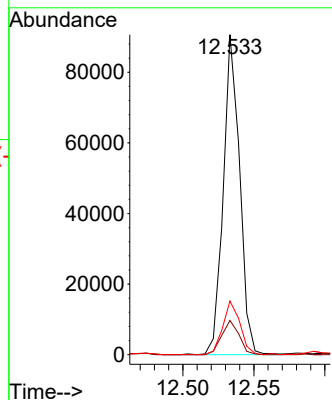
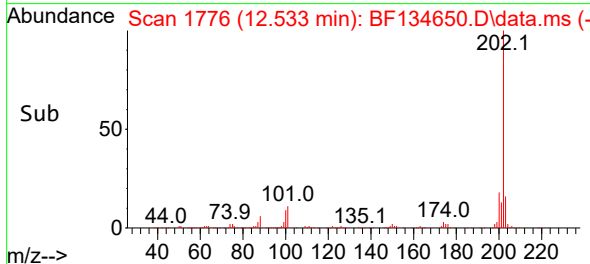


#75
Fluoranthene
Concen: 2.159 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

Instrument :
BNA_N
ClientSampleId :

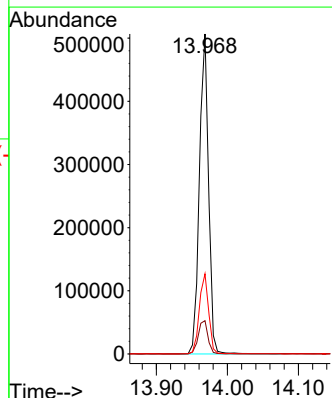
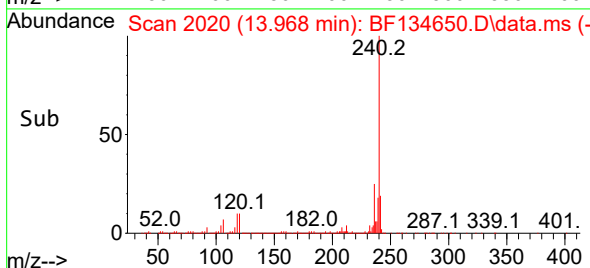
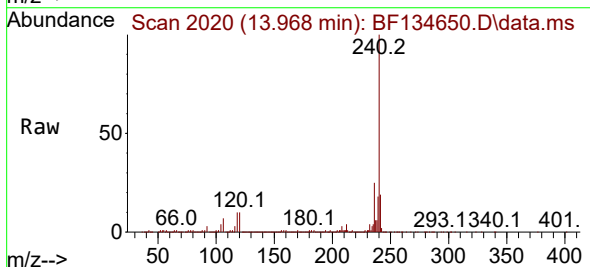


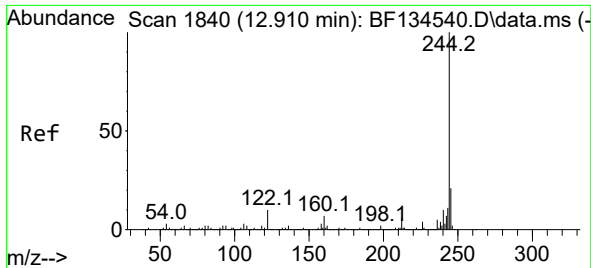
Tgt Ion:202 Resp: 72529
Ion Ratio Lower Upper
202 100
101 10.7 0.0 28.5
203 16.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134650.D
Acq: 07 Aug 2023 12:58

Tgt Ion:240 Resp: 455349
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 25.0 20.2 30.2

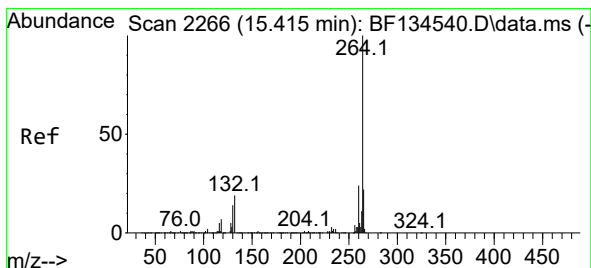
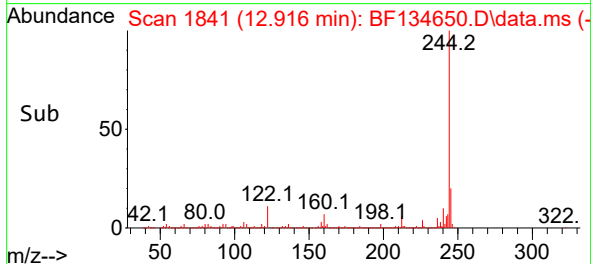
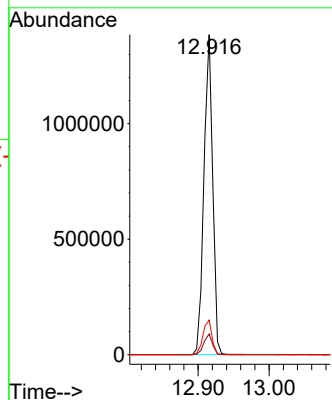
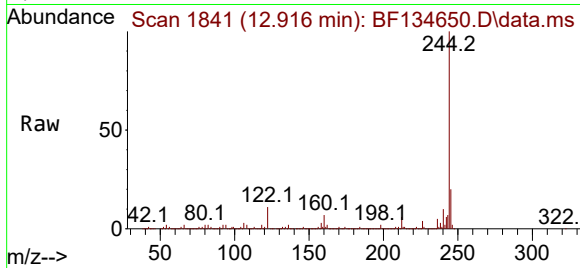




#79
 Terphenyl-d14
 Concen: 46.058 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134650.D
 Acq: 07 Aug 2023 12:58

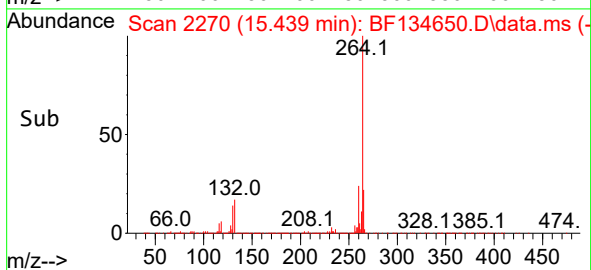
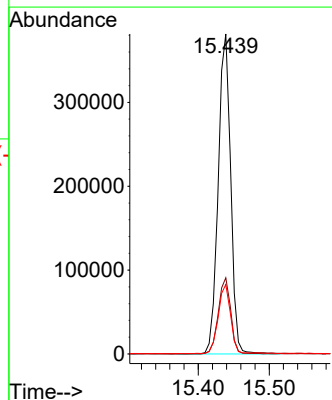
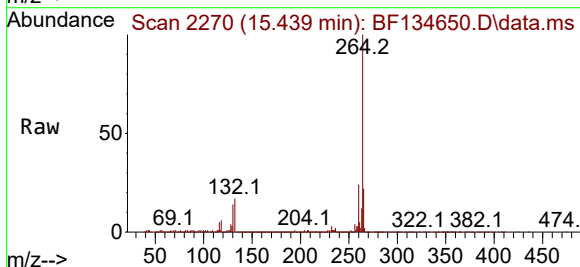
Instrument :
 BNA_N
 ClientSampleId :

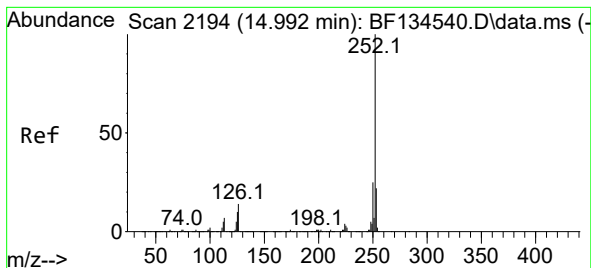
Tgt Ion:244 Resp: 1189677
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.8 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF134650.D
 Acq: 07 Aug 2023 12:58

Tgt Ion:264 Resp: 463332
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.4 27.6
 265 21.7 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 2.075 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134650.D

Acq: 07 Aug 2023 12:58

Instrument :

BNA_N

ClientSampleId :

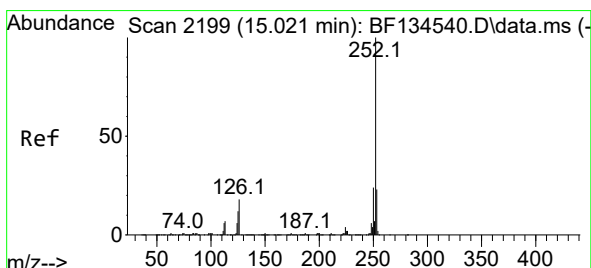
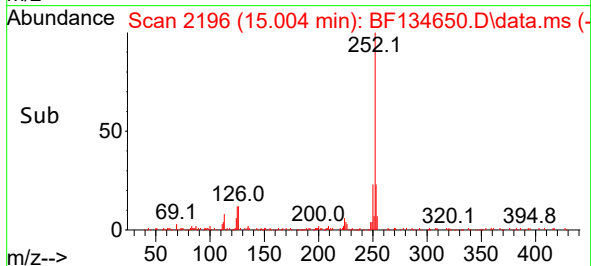
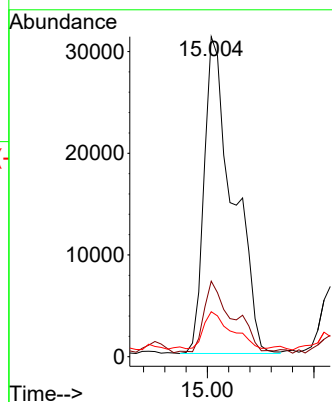
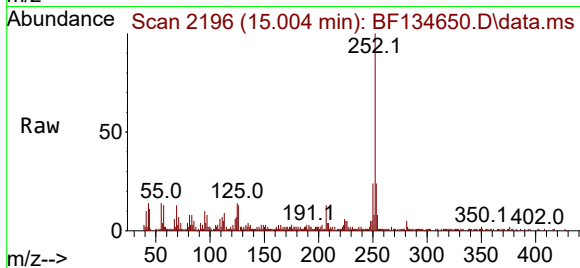
Tgt Ion:252 Resp: 58626

Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

125 14.1 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 2.083 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF134650.D

Acq: 07 Aug 2023 12:58

Tgt Ion:252 Resp: 58626

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

125 14.1 6.3 9.5#

