

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
 Data File : BF134623.D
 Acq On : 04 Aug 2023 10:08
 Operator : CG\JU
 Sample : 03686-16
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-28-0-2-20230721

Quant Time: Aug 04 10:27:54 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)

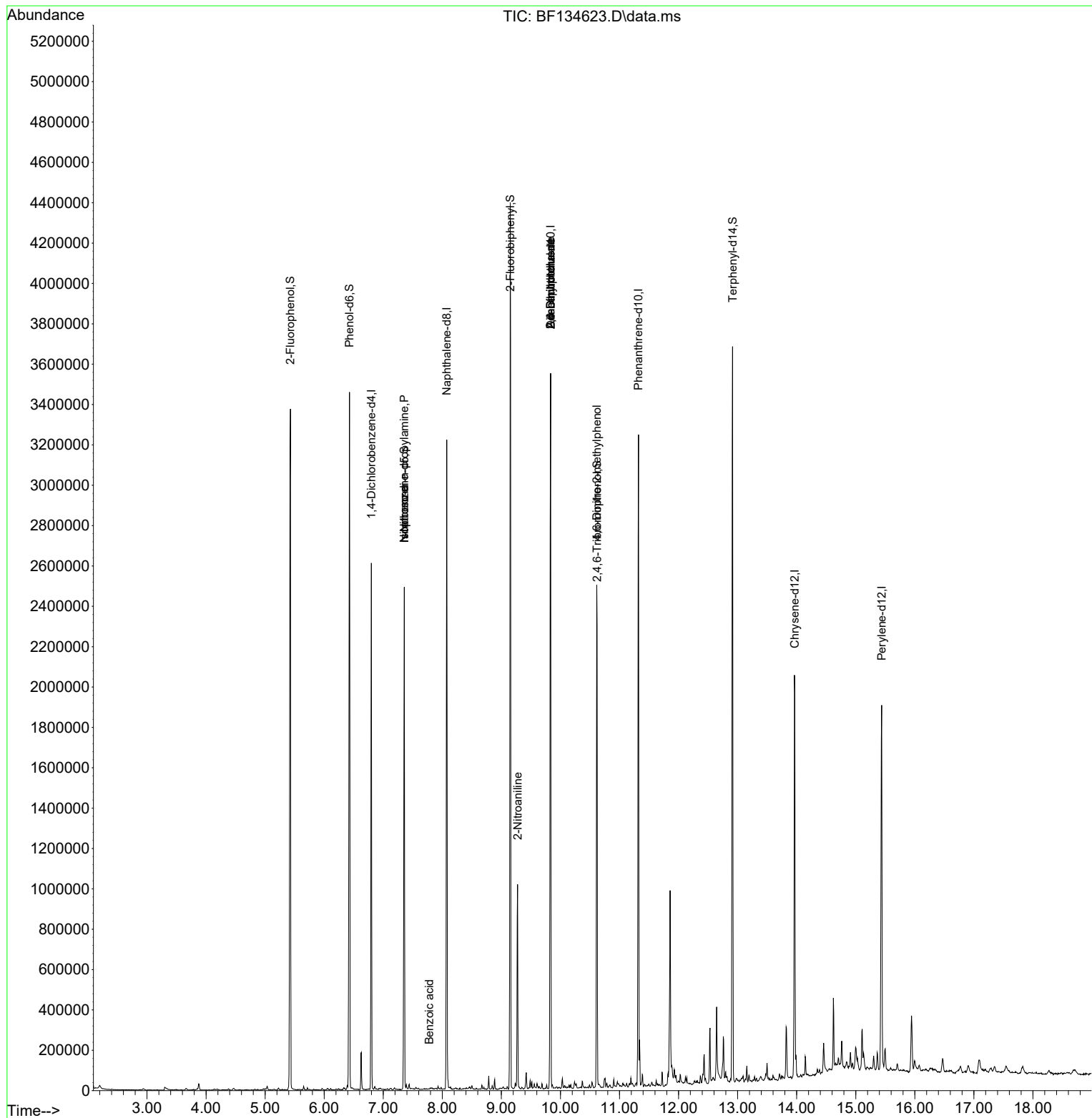
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	347777	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	1360210	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	699593	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	1193032	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	682171	20.000	ng	0.00
86) Perylene-d12	15.439	264	866704	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	955006	41.742	ng	0.00
7) Phenol-d6	6.428	99	1252388	42.823	ng	-0.01
23) Nitrobenzene-d5	7.357	82	736174	33.822	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	323999	45.431	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1397463	33.213	ng	-0.01
79) Terphenyl-d14	12.916	244	1284697	33.199	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	1610	Below Cal	#	86
19) n-Nitroso-di-n-propyla...	7.357	70	99946	5.708	ng	# 74
25) Isophorone	7.357	82	731322	15.405	ng	# 65
32) Benzoic acid	7.781	122	347	7.888	ng	# 98
48) 2-Nitroaniline	9.275	65	9825	3.888	ng	# 17
50) Dimethylphthalate	9.833	163	150243	3.151	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	93028	11.523	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	93028	10.266	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	805	8.836	ng	# 1

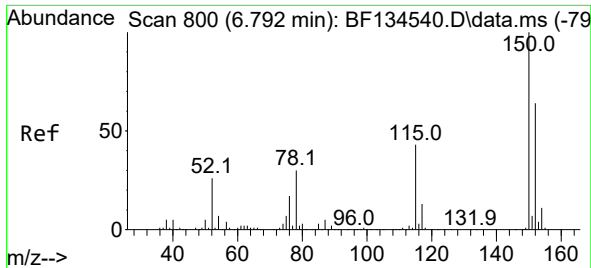
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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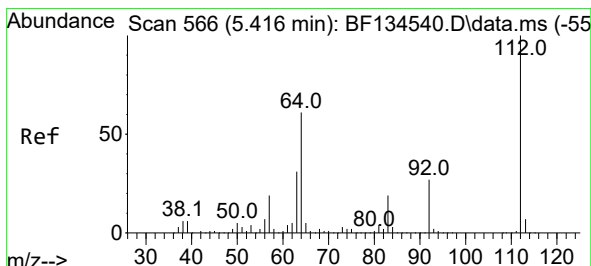
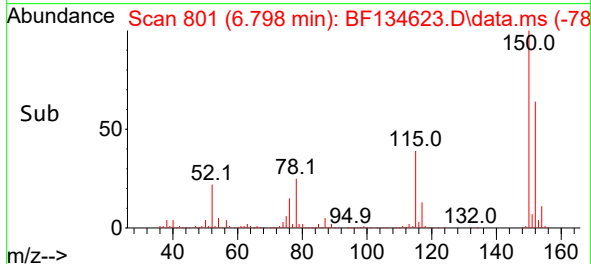
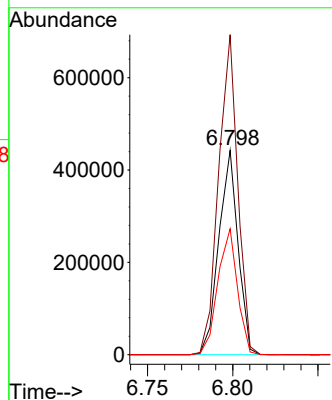
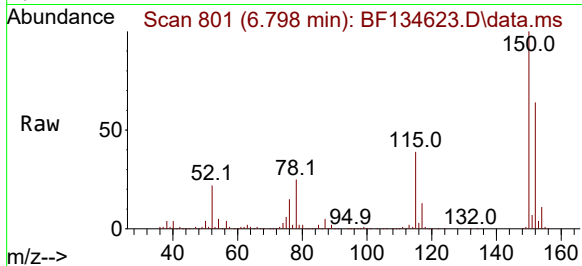




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

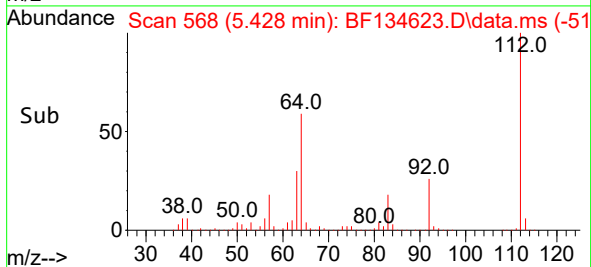
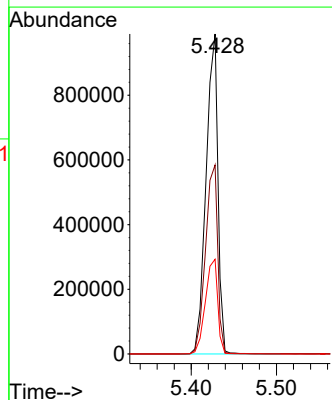
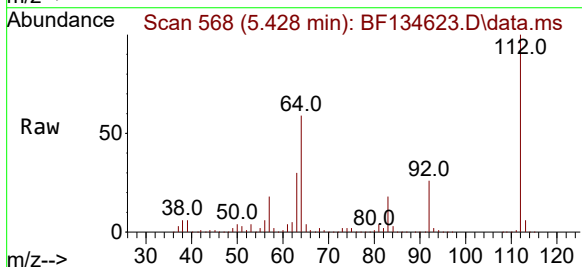
Instrument :
BNA_F
ClientSampleId :
SB-28-0-2-20230721

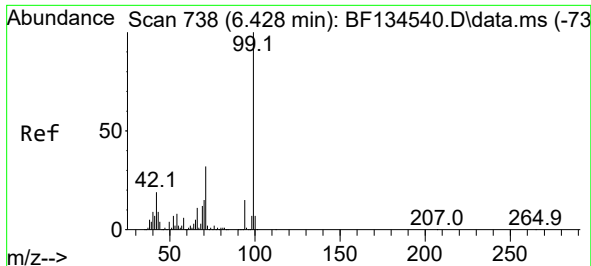
Tgt Ion:152 Resp: 347777
Ion Ratio Lower Upper
152 100
150 156.6 128.3 192.5
115 61.6 52.4 78.6



#5
2-Fluorophenol
Concen: 41.742 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

Tgt Ion:112 Resp: 955006
Ion Ratio Lower Upper
112 100
64 59.0 44.9 67.3
63 29.6 25.4 38.0

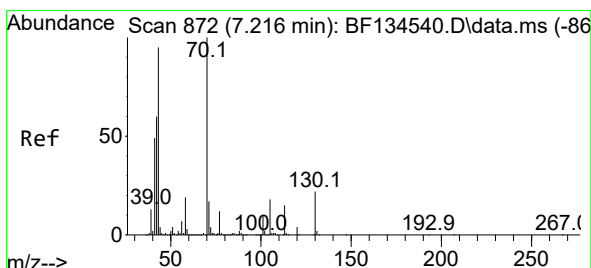
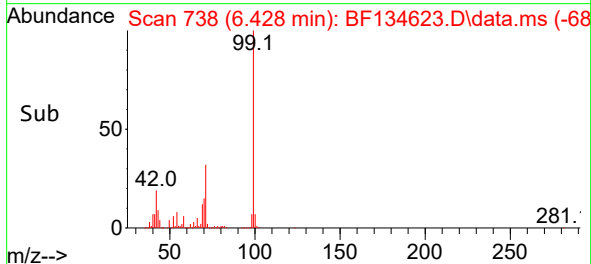
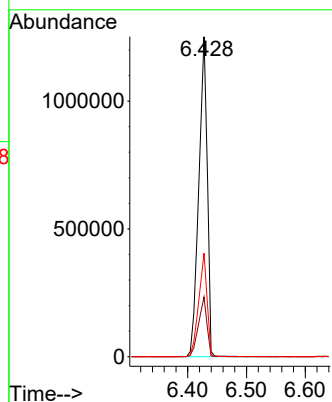
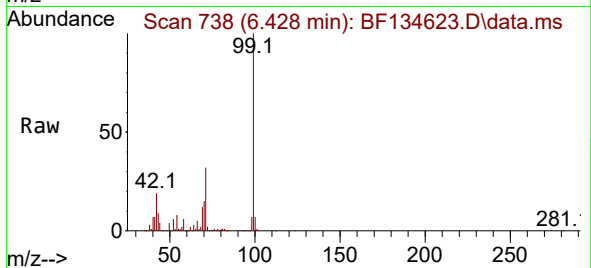




#7
Phenol-d6
Concen: 42.823 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

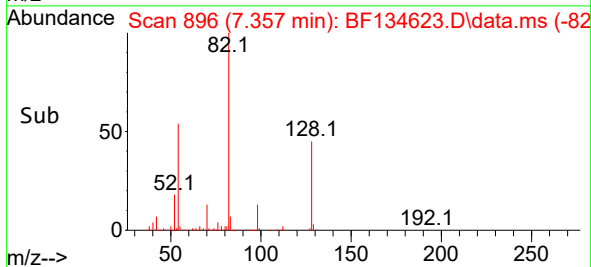
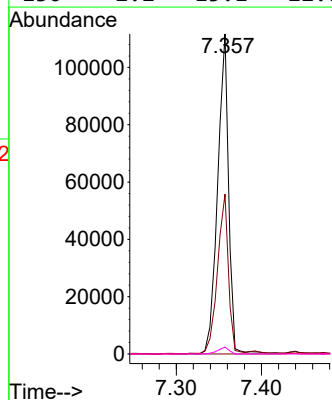
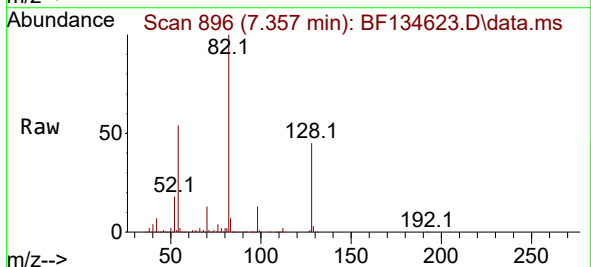
Instrument :
BNA_F
ClientSampleId :
SB-28-0-2-20230721

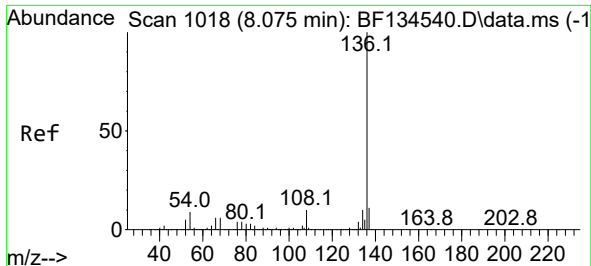
Tgt Ion: 99 Resp: 1252388
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 32.3 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 5.708 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

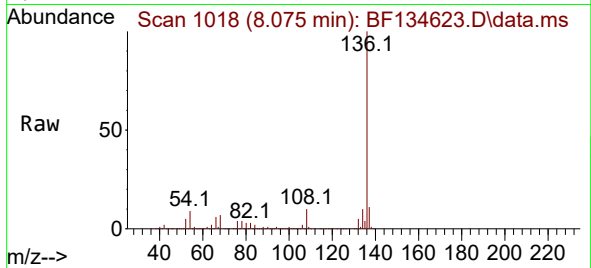
Tgt Ion: 70 Resp: 99946
Ion Ratio Lower Upper
70 100
42 49.9 54.7 82.1#
101 0.0 8.2 12.2#
130 2.2 15.1 22.7#



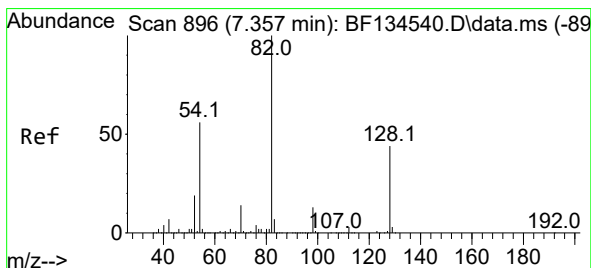
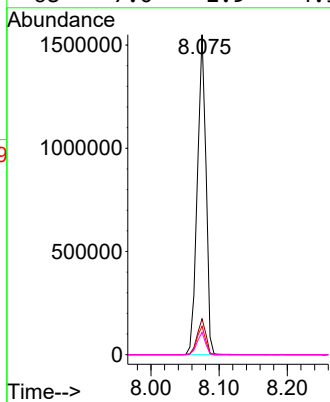
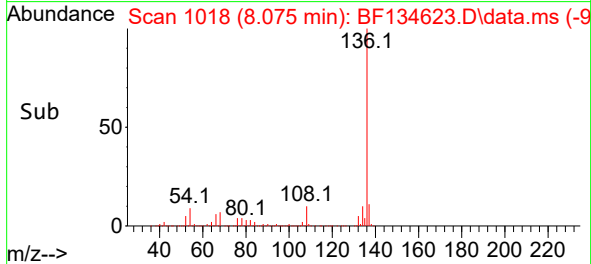


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

Instrument :
BNA_F
ClientSampleId :
SB-28-0-2-20230721

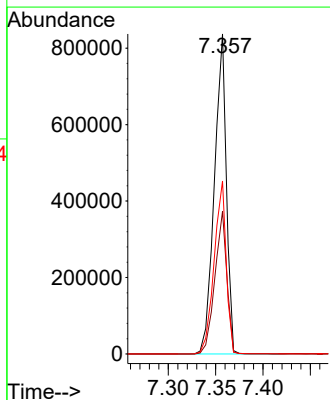
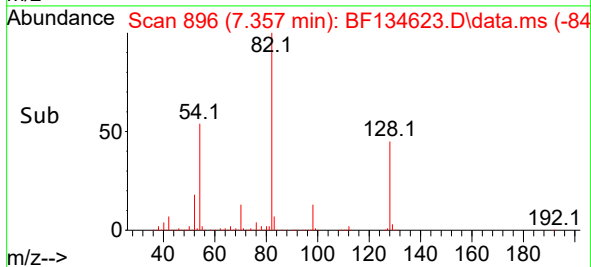
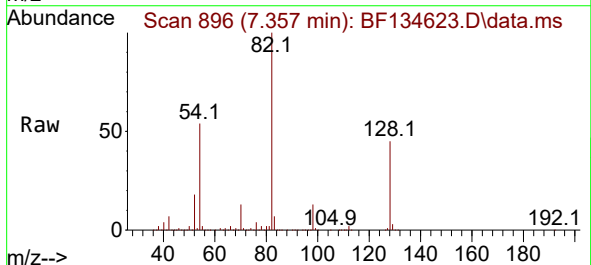


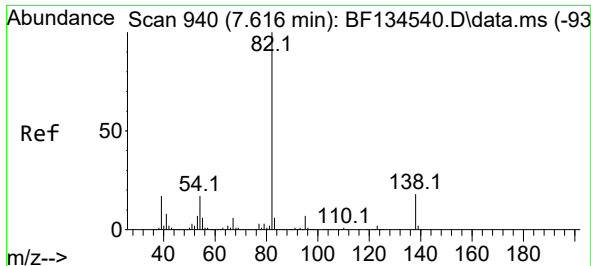
Tgt Ion:136 Resp: 1360210
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.9 5.2 7.8#
68 7.0 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 33.822 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

Tgt Ion: 82 Resp: 736174
Ion Ratio Lower Upper
82 100
128 44.6 34.3 51.5
54 54.0 43.8 65.6

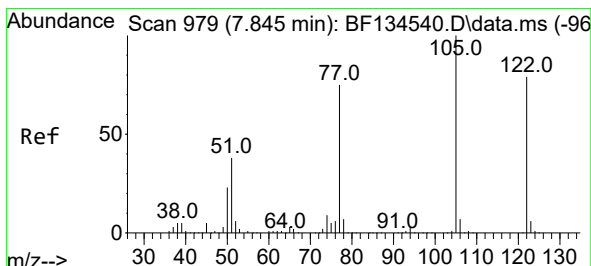
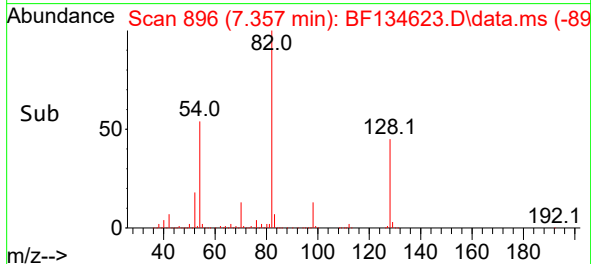
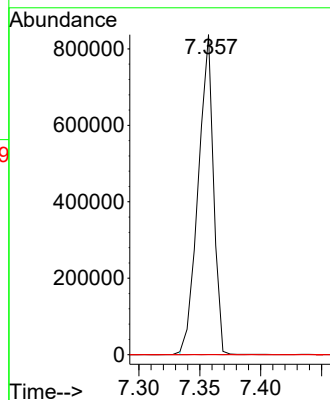
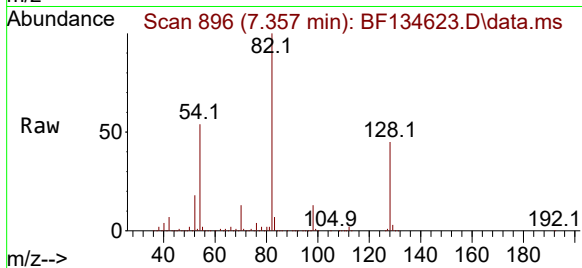




#25
Isophorone
Concen: 15.405 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.270 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

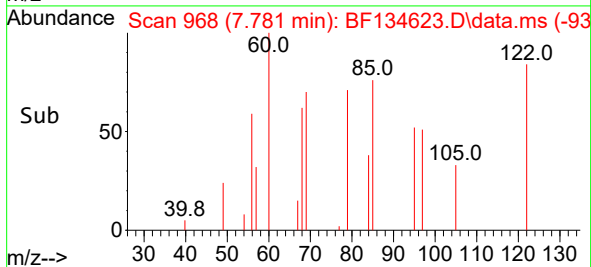
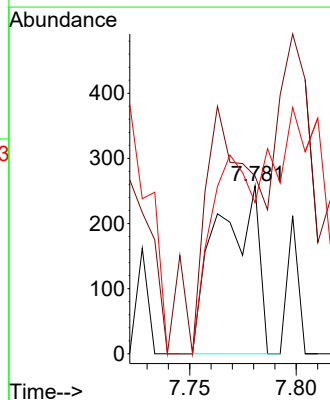
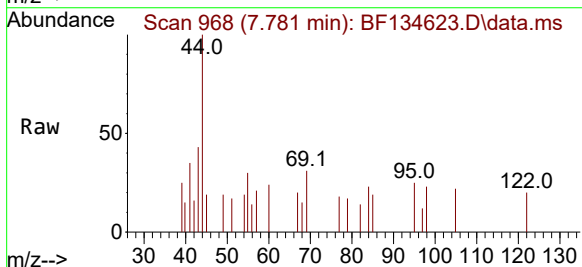
Instrument :
BNA_F
ClientSampleId :
SB-28-0-2-20230721

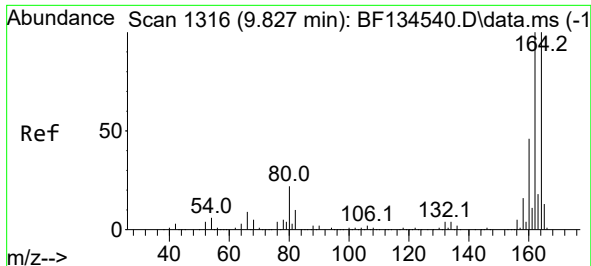
Tgt Ion: 82 Resp: 731322
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.888 ng
RT: 7.781 min Scan# 968
Delta R.T. -0.082 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

Tgt Ion:122 Resp: 347
Ion Ratio Lower Upper
122 100
105 105.8 87.5 127.5
77 89.9 71.4 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134623.D

Acq: 04 Aug 2023 10:08

Instrument :

BNA_F

ClientSampleId :

SB-28-0-2-20230721

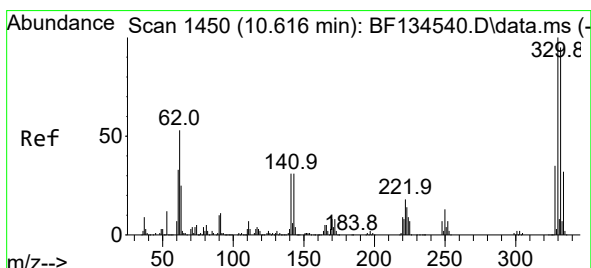
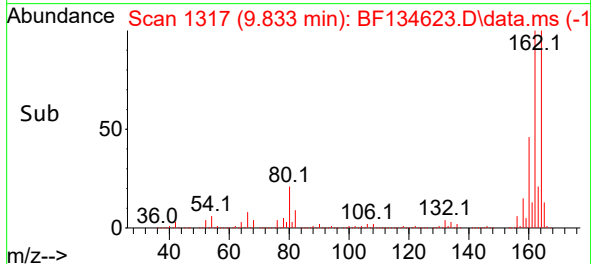
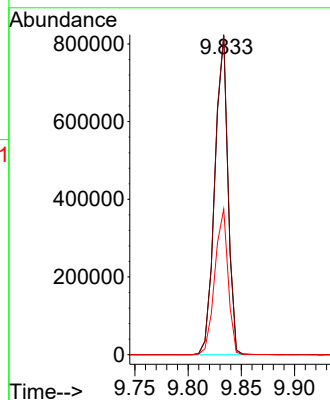
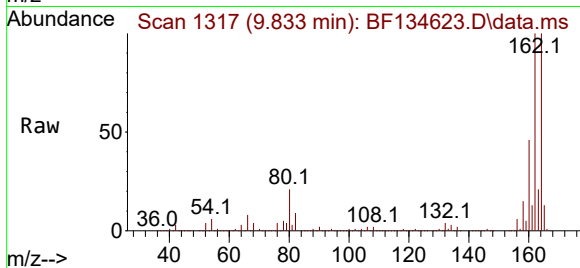
Tgt Ion:164 Resp: 699593

Ion Ratio Lower Upper

164 100

162 100.4 82.6 123.8

160 45.7 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 45.431 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134623.D

Acq: 04 Aug 2023 10:08

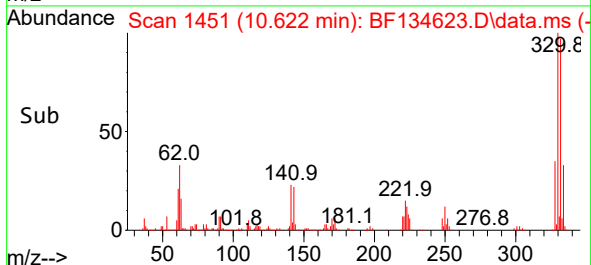
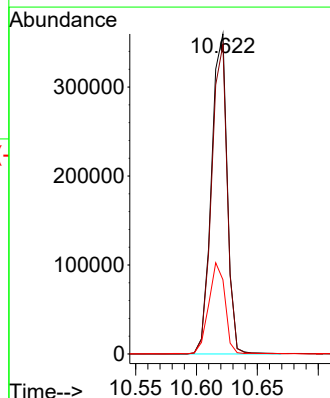
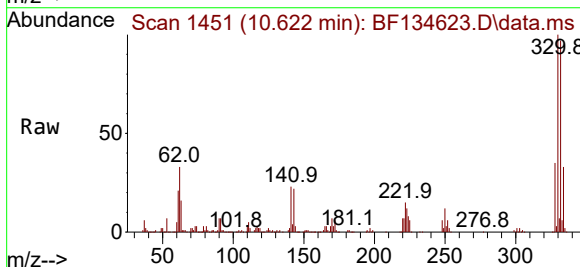
Tgt Ion:330 Resp: 323999

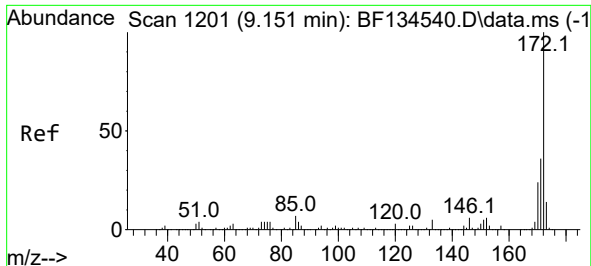
Ion Ratio Lower Upper

330 100

332 96.0 78.8 118.2

141 29.5 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 33.213 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134623.D

Acq: 04 Aug 2023 10:08

Instrument :

BNA_F

ClientSampleId :

SB-28-0-2-20230721

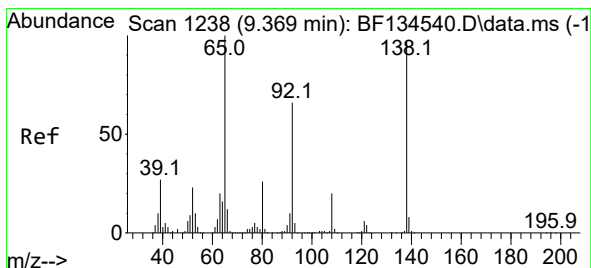
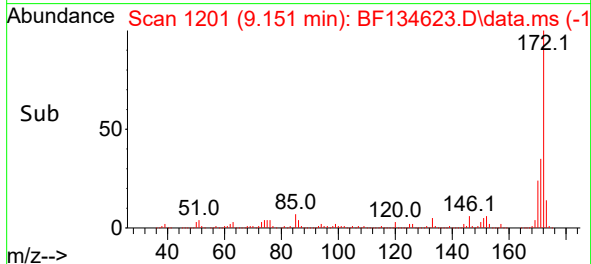
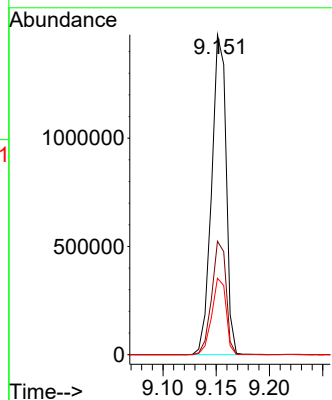
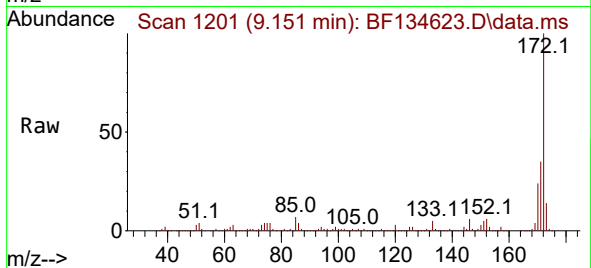
Tgt Ion:172 Resp: 1397463

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.9 18.7 28.1



#48

2-Nitroaniline

Concen: 3.888 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.106 min

Lab File: BF134623.D

Acq: 04 Aug 2023 10:08

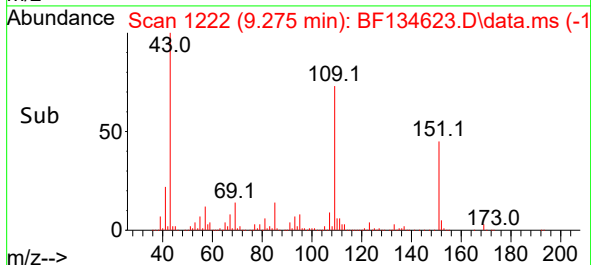
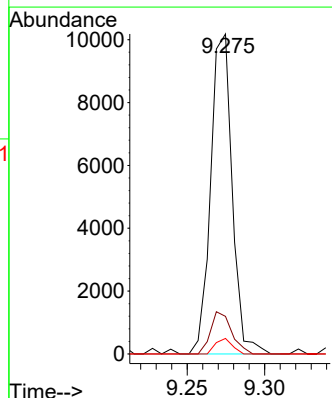
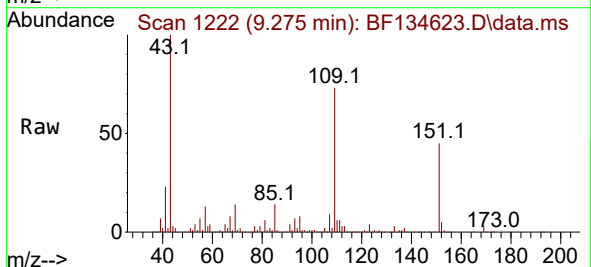
Tgt Ion: 65 Resp: 9825

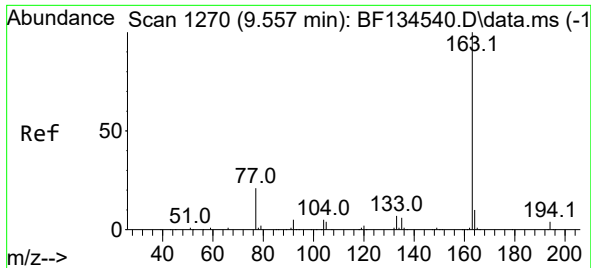
Ion Ratio Lower Upper

65 100

92 11.7 50.7 76.1#

138 4.9 78.2 117.4#

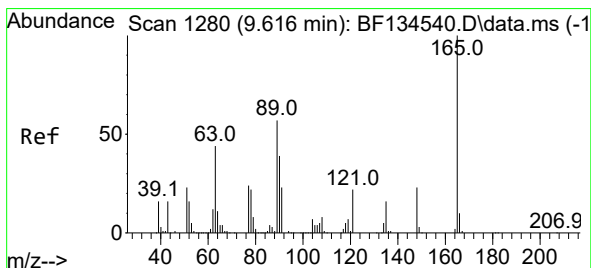
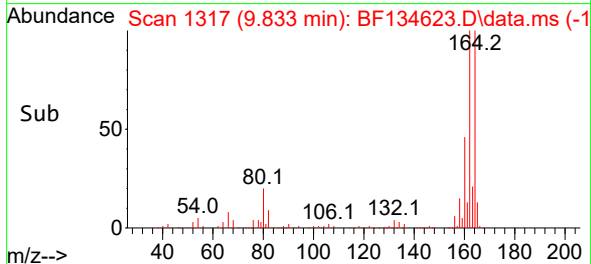
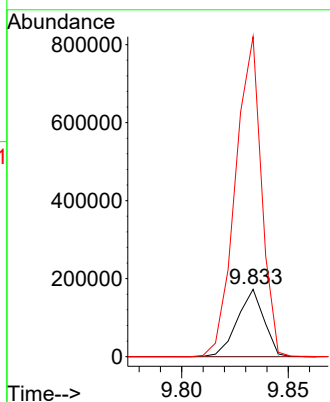
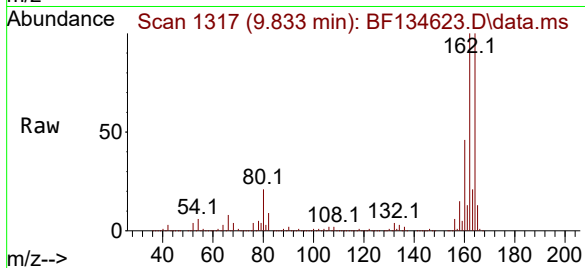




#50
Dimethylphthalate
Concen: 3.151 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

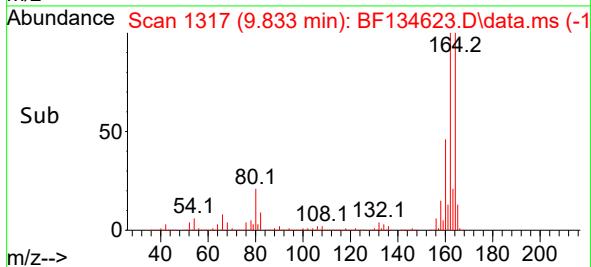
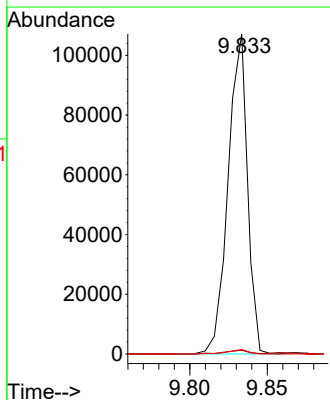
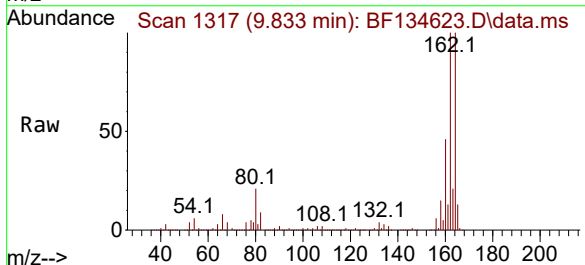
Instrument :
BNA_F
ClientSampleId :
SB-28-0-2-20230721

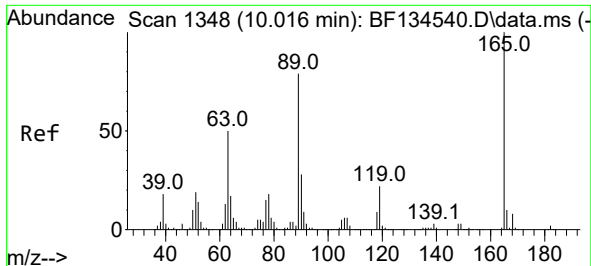
Tgt Ion:163 Resp: 150243
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 474.9 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.523 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

Tgt Ion:165 Resp: 93028
Ion Ratio Lower Upper
165 100
63 1.2 57.8 86.6#
89 1.4 51.8 77.8#

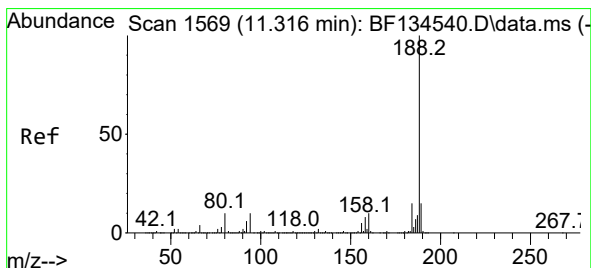
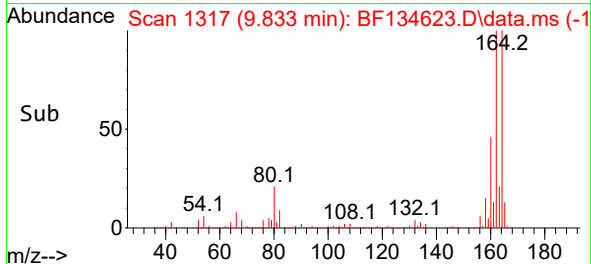
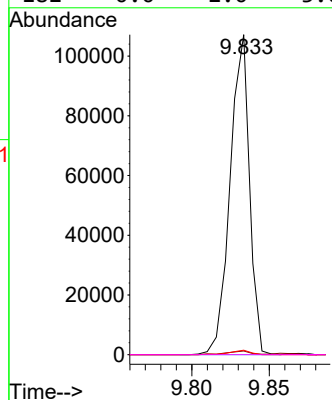
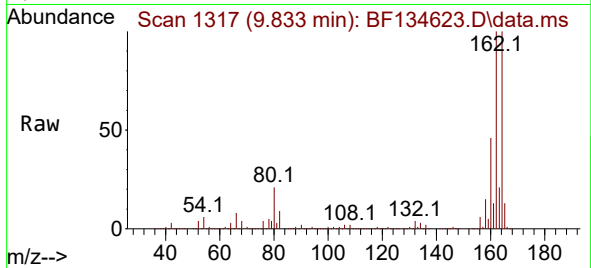




#57
2,4-Dinitrotoluene
Concen: 10.266 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

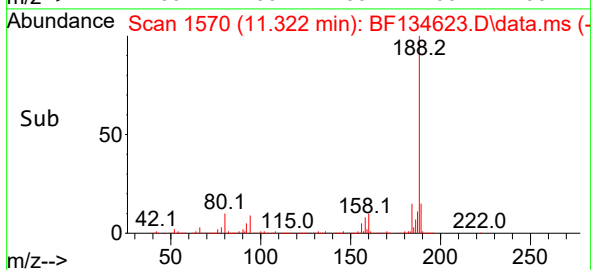
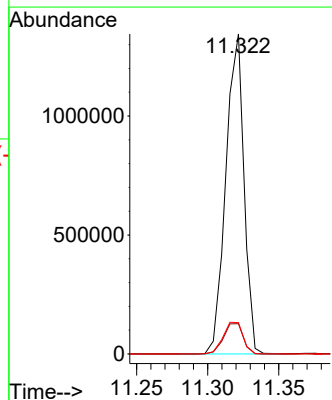
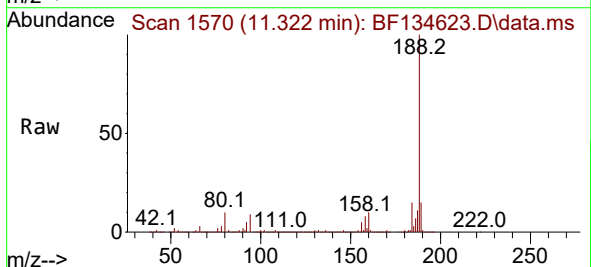
Instrument :
BNA_F
ClientSampleId :
SB-28-0-2-20230721

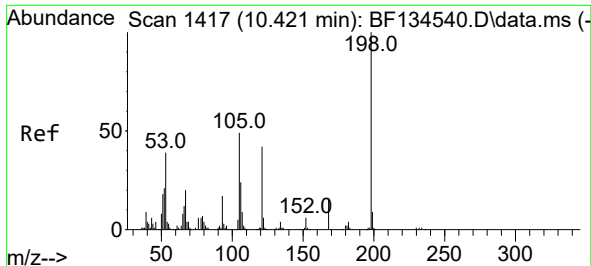
Tgt Ion:165 Resp: 93028
Ion Ratio Lower Upper
165 100
63 1.2 48.9 73.3#
89 1.4 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

Tgt Ion:188 Resp: 1193032
Ion Ratio Lower Upper
188 100
94 9.4 5.1 7.7#
80 9.8 6.6 9.8

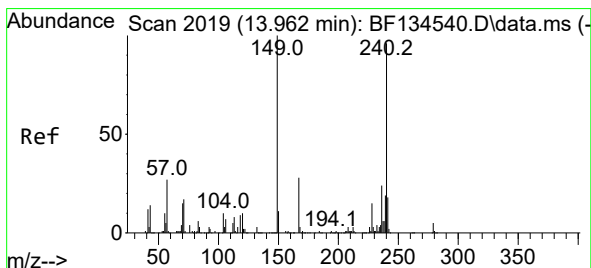
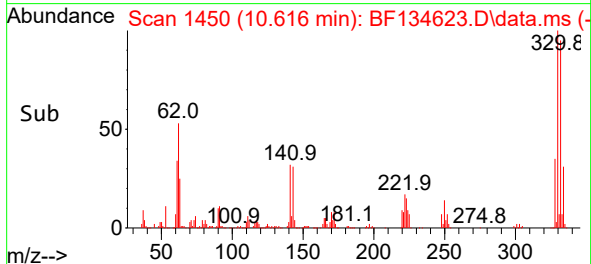
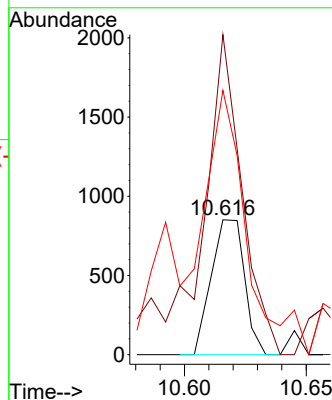
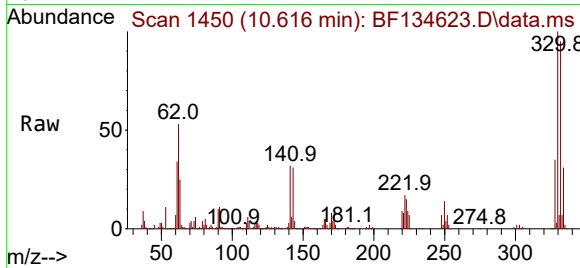




#65
4,6-Dinitro-2-methylphenol
Concen: 8.836 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.177 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

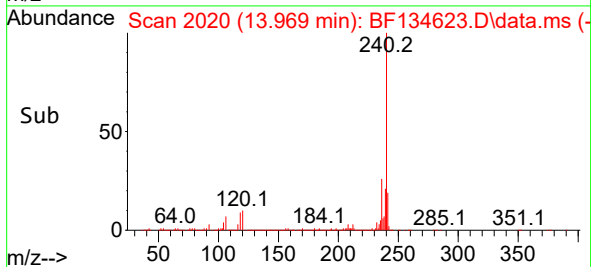
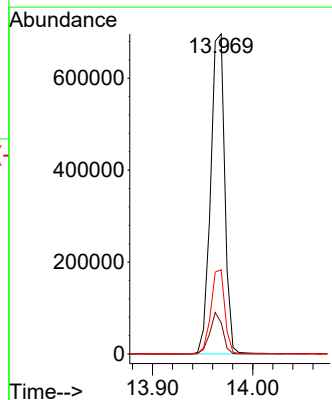
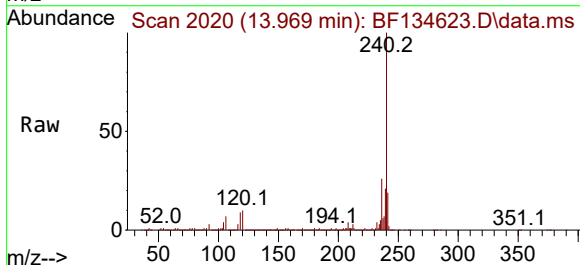
Instrument :
BNA_F
ClientSampleId :
SB-28-0-2-20230721

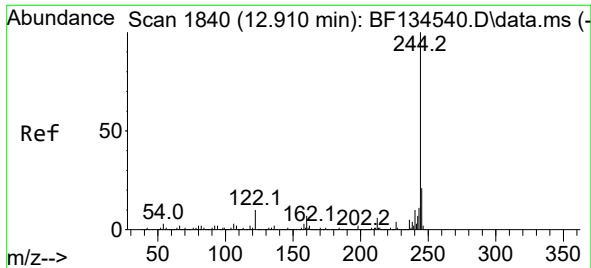
Tgt Ion:198 Resp: 805
Ion Ratio Lower Upper
198 100
51 237.4 38.6 78.6#
105 196.0 27.9 67.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134623.D
Acq: 04 Aug 2023 10:08

Tgt Ion:240 Resp: 682171
Ion Ratio Lower Upper
240 100
120 9.8 6.6 10.0
236 26.3 20.2 30.2

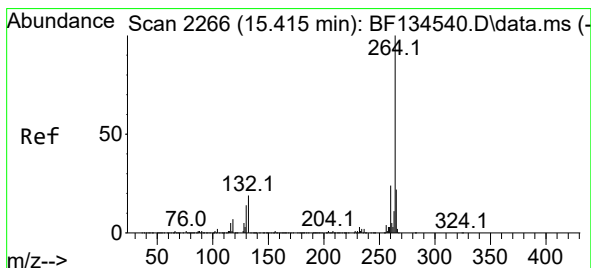
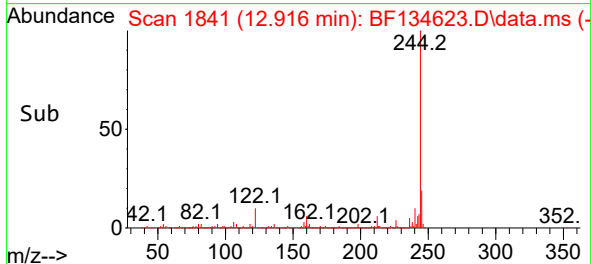
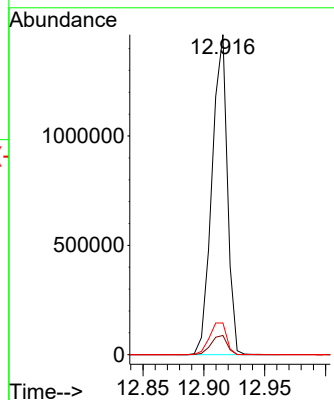
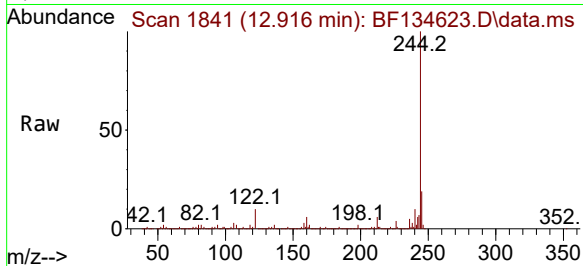




#79
 Terphenyl-d14
 Concen: 33.199 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134623.D
 Acq: 04 Aug 2023 10:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-28-0-2-20230721

Tgt Ion:244 Resp: 1284697
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.6 8.4
 122 9.9 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: BF134623.D
 Acq: 04 Aug 2023 10:08

Tgt Ion:264 Resp: 866704
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.4 27.6
 265 21.6 15.8 23.8

