

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134649.D
 Acq On : 07 Aug 2023 12:27
 Operator : CG\JU
 Sample : 03886-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 500-1A-1B

Quant Time: Aug 08 01:20:32 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)

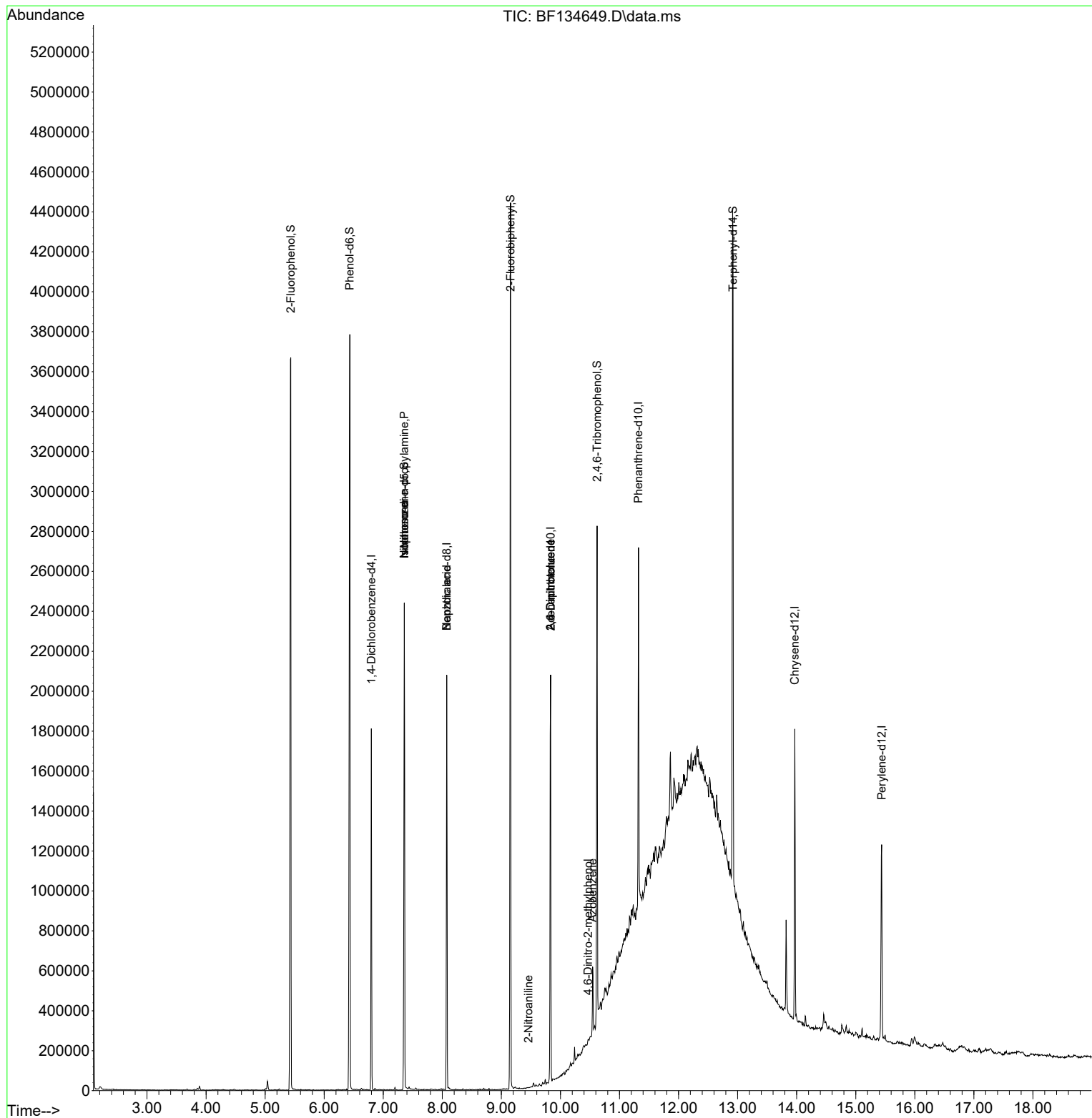
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	226362	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	837179	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	392864	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	625742	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	462987	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	460546	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1105438	74.234	ng	0.00
7) Phenol-d6	6.434	99	1370425	71.993	ng	0.00
23) Nitrobenzene-d5	7.357	82	777548	58.041	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	305203	76.208	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1429732	60.510	ng	0.00
79) Terphenyl-d14	12.922	244	1359914	51.780	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	534	Below Cal	#	73
19) n-Nitroso-di-n-propyla...	7.357	70	104229	9.145	ng	# 75
25) Isophorone	7.357	82	773009	26.456	ng	# 65
32) Benzoic acid	8.075	122	174	7.884	ng	# 1
48) 2-Nitroaniline	9.457	65	116	3.181	ng	# 18
51) 2,6-Dinitrotoluene	9.833	165	52371	11.545	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	52371	10.285	ng	# 18
63) Azobenzene	10.545	77	54598	2.002	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.469	198	53	8.716	ng	# 1

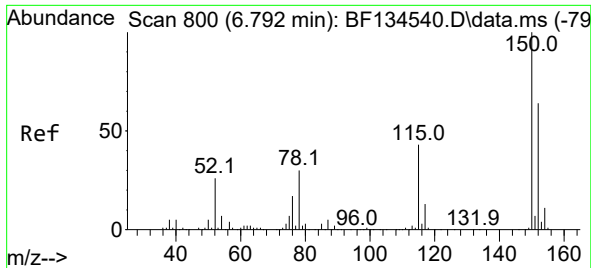
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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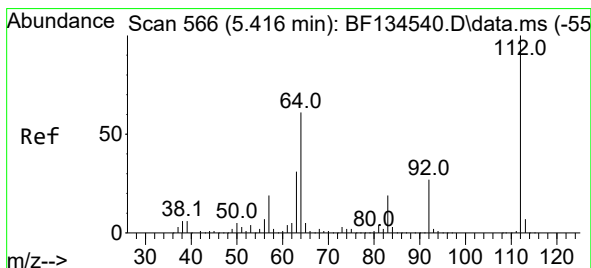
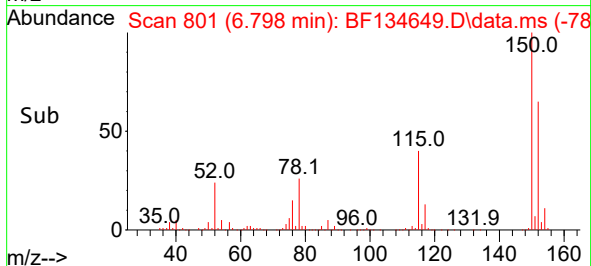
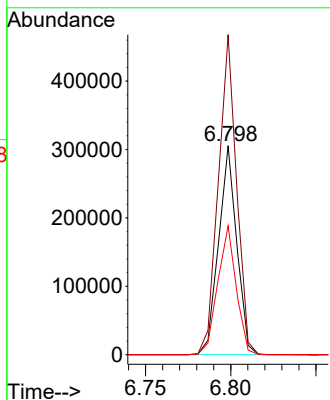
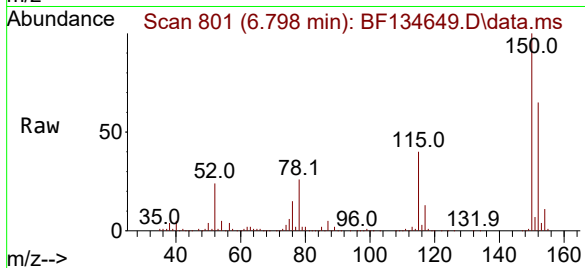




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF134649.D
 Acq: 07 Aug 2023 12:27

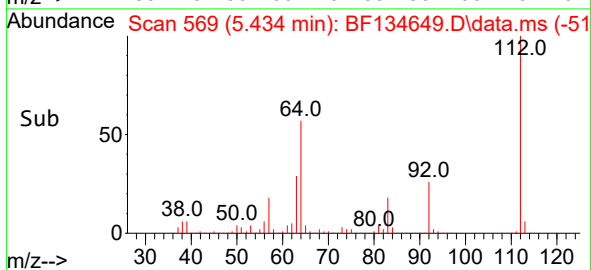
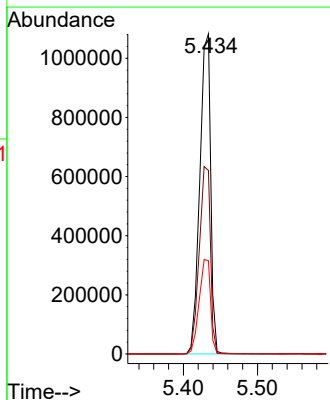
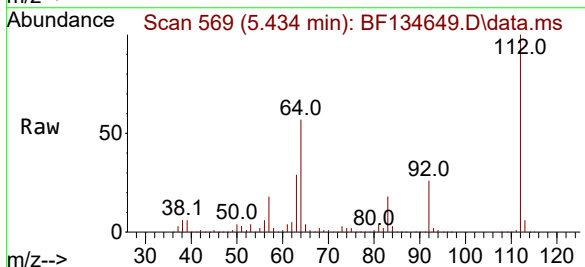
Instrument :
 BNA_F
 ClientSampleId :
 500-1A-1B

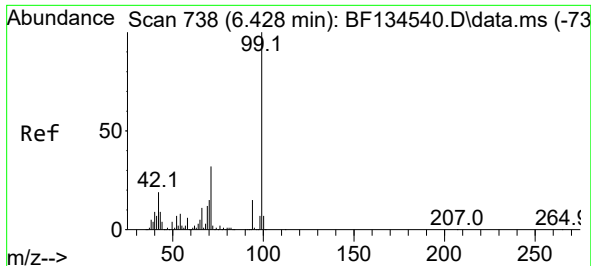
Tgt Ion:152 Resp: 226362
 Ion Ratio Lower Upper
 152 100
 150 153.2 128.3 192.5
 115 61.7 52.4 78.6



#5
 2-Fluorophenol
 Concen: 74.234 ng
 RT: 5.434 min Scan# 569
 Delta R.T. 0.006 min
 Lab File: BF134649.D
 Acq: 07 Aug 2023 12:27

Tgt Ion:112 Resp: 1105438
 Ion Ratio Lower Upper
 112 100
 64 57.3 44.9 67.3
 63 29.2 25.4 38.0

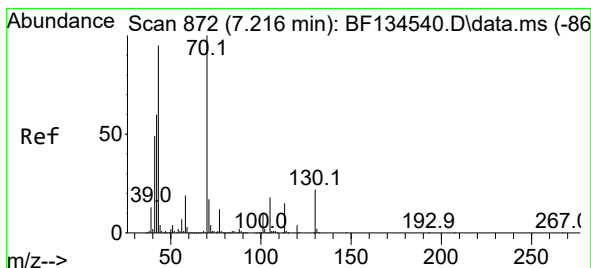
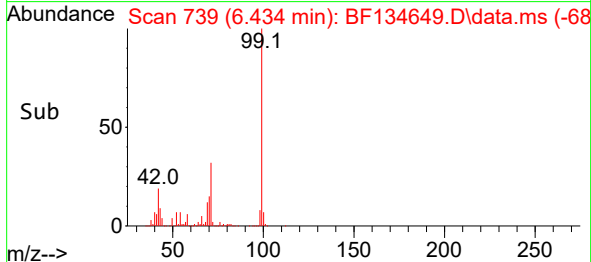
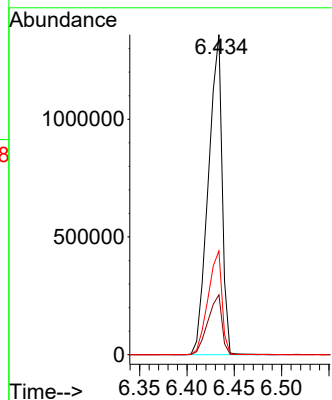
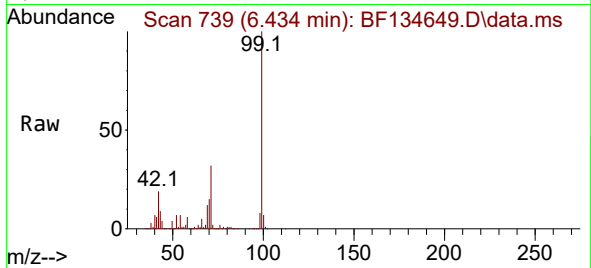




#7
Phenol-d6
Concen: 71.993 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134649.D
Acq: 07 Aug 2023 12:27

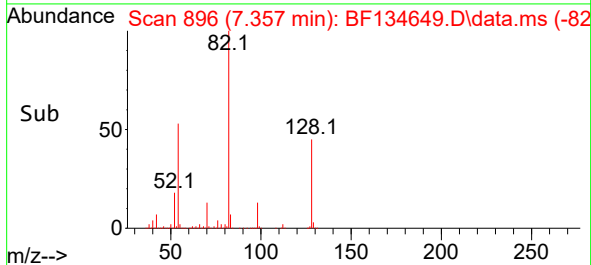
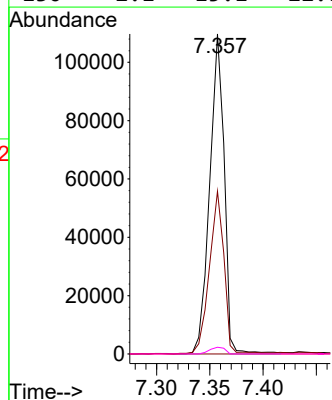
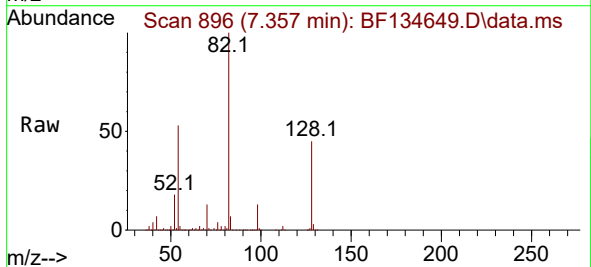
Instrument :
BNA_F
ClientSampleId :
500-1A-1B

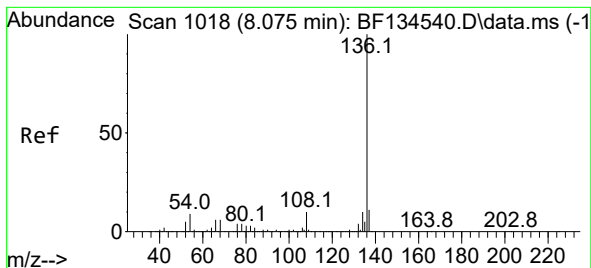
Tgt Ion: 99 Resp: 1370425
Ion Ratio Lower Upper
99 100
42 18.7 18.7 28.1#
71 32.4 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.145 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134649.D
Acq: 07 Aug 2023 12:27

Tgt Ion: 70 Resp: 104229
Ion Ratio Lower Upper
70 100
42 50.9 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 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: BF134649.D

Acq: 07 Aug 2023 12:27

Instrument :

BNA_F

ClientSampleId :

500-1A-1B

Tgt Ion:136 Resp: 837179

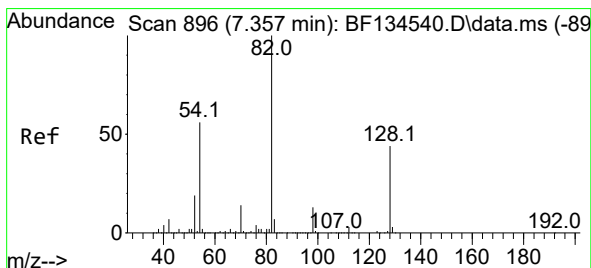
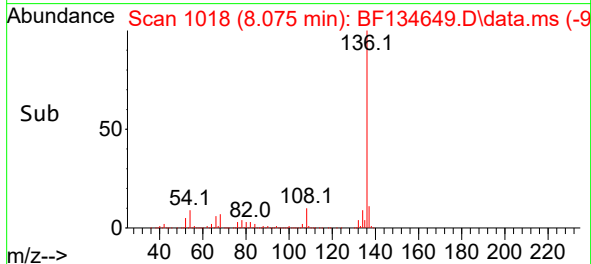
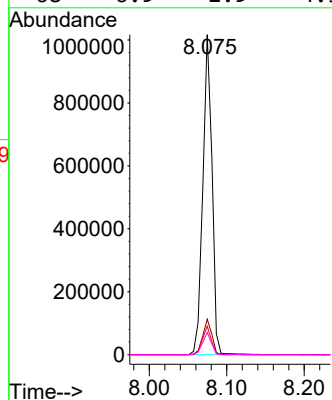
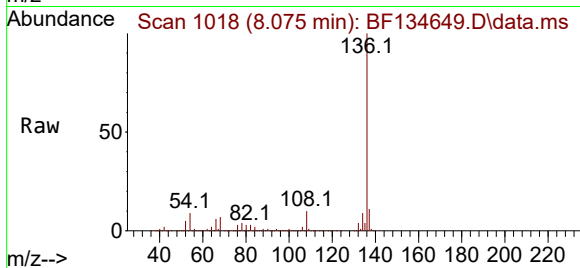
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 8.9 5.2 7.8#

68 6.9 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 58.041 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134649.D

Acq: 07 Aug 2023 12:27

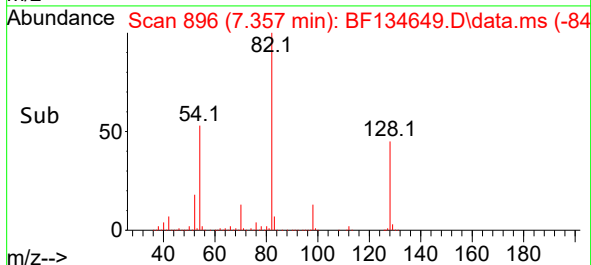
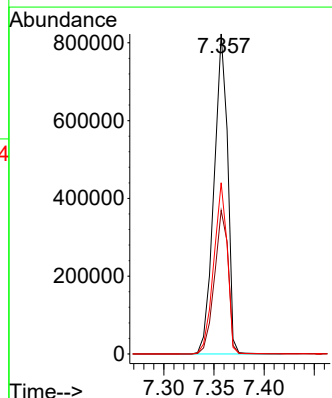
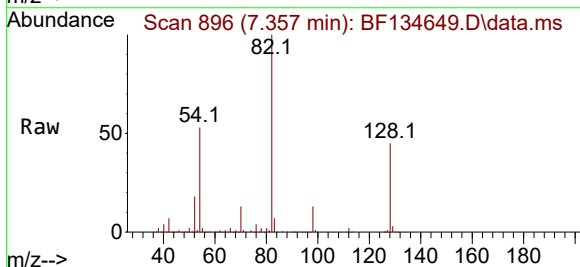
Tgt Ion: 82 Resp: 777548

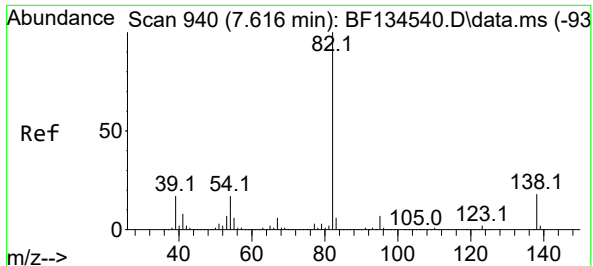
Ion Ratio Lower Upper

82 100

128 44.8 34.3 51.5

54 53.5 43.8 65.6

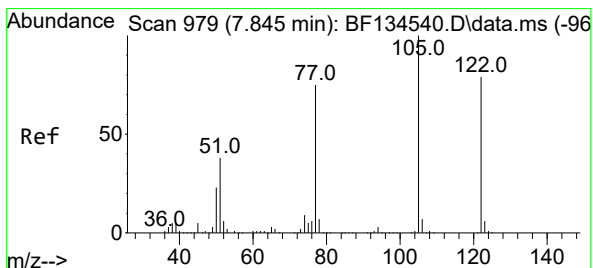
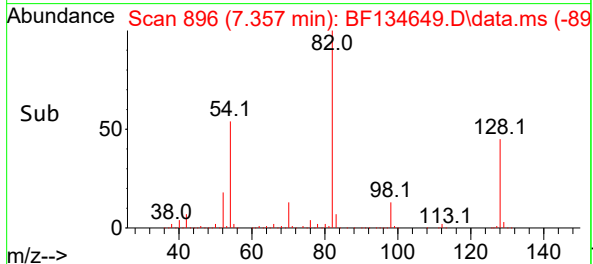
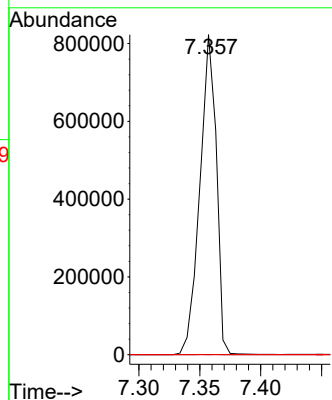
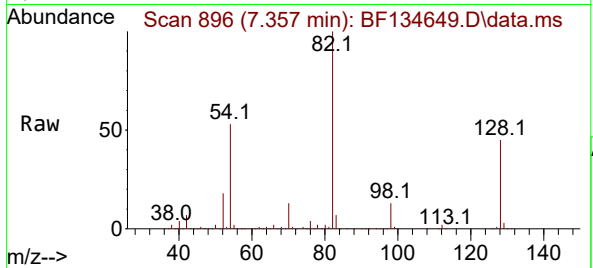




#25
Isophorone
Concen: 26.456 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.270 min
Lab File: BF134649.D
Acq: 07 Aug 2023 12:27

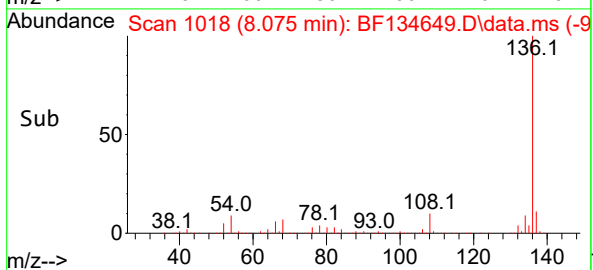
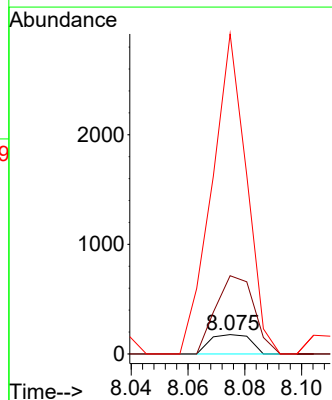
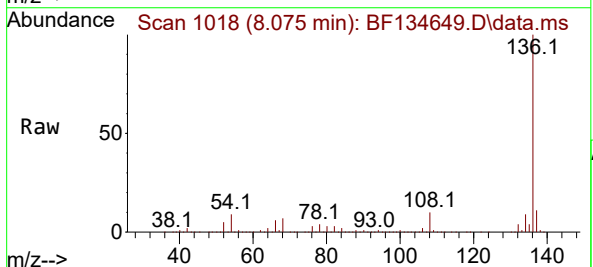
Instrument :
BNA_F
ClientSampleId :
500-1A-1B

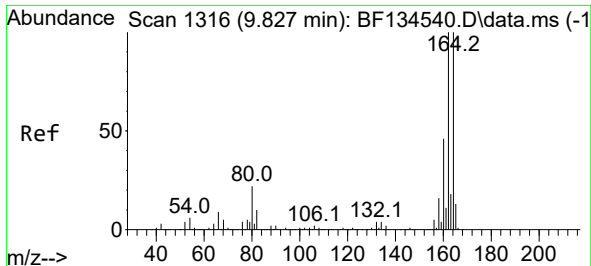
Tgt Ion: 82 Resp: 773009
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.884 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.212 min
Lab File: BF134649.D
Acq: 07 Aug 2023 12:27

Tgt Ion:122 Resp: 174
Ion Ratio Lower Upper
122 100
105 405.1 87.5 127.5#
77 1658.5 71.4 111.4#

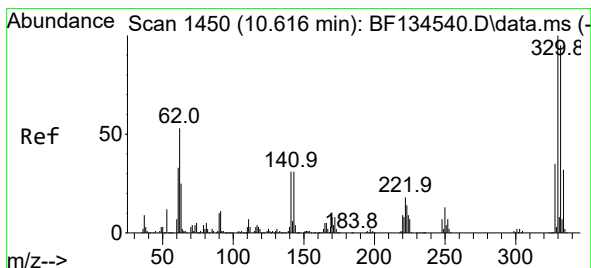
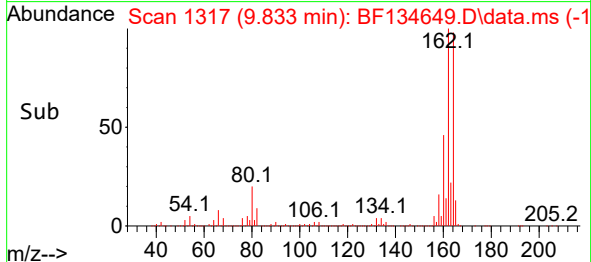
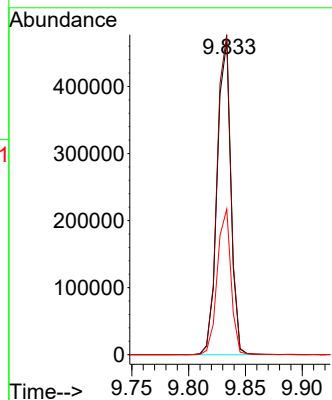
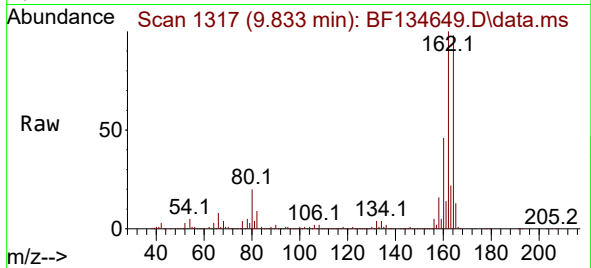




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134649.D
Acq: 07 Aug 2023 12:27

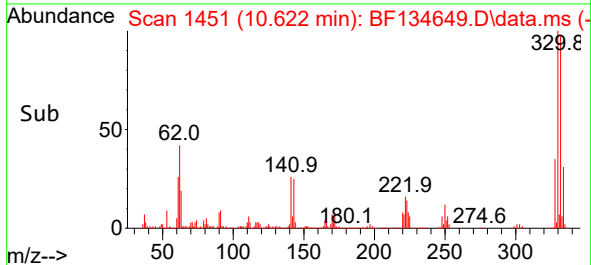
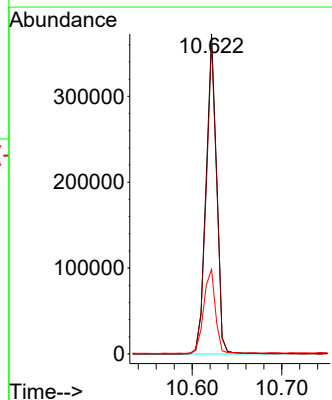
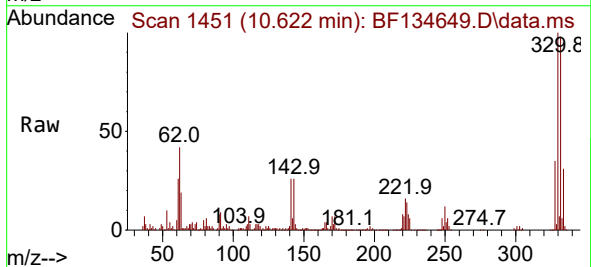
Instrument :
BNA_F
ClientSampleId :
500-1A-1B

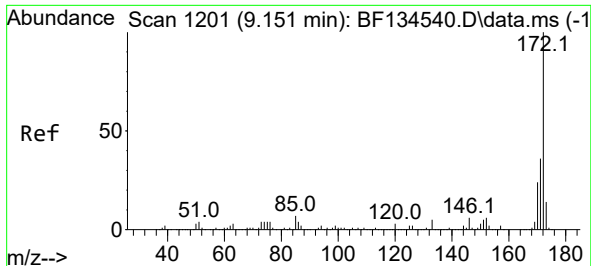
Tgt Ion:164 Resp: 392864
Ion Ratio Lower Upper
164 100
162 102.0 82.6 123.8
160 46.4 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 76.208 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134649.D
Acq: 07 Aug 2023 12:27

Tgt Ion:330 Resp: 305203
Ion Ratio Lower Upper
330 100
332 96.5 78.8 118.2
141 29.3 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 60.510 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134649.D

Acq: 07 Aug 2023 12:27

Instrument :

BNA_F

ClientSampleId :

500-1A-1B

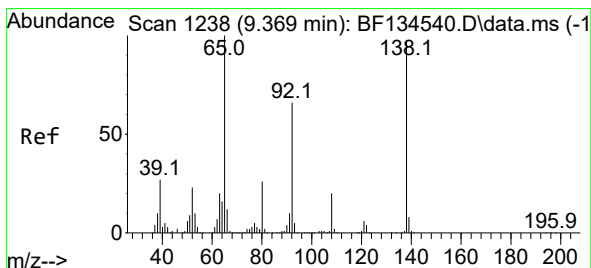
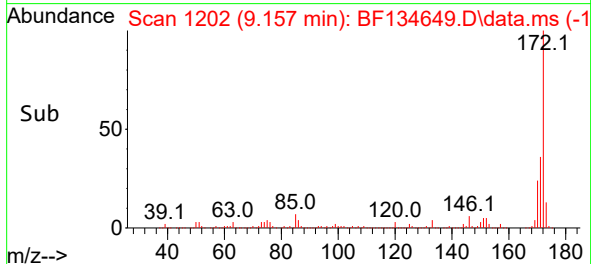
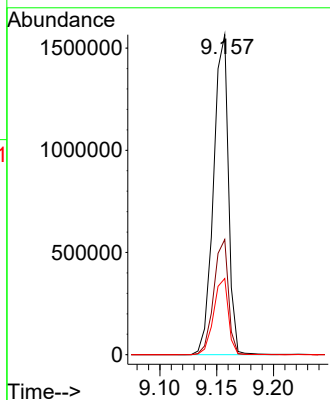
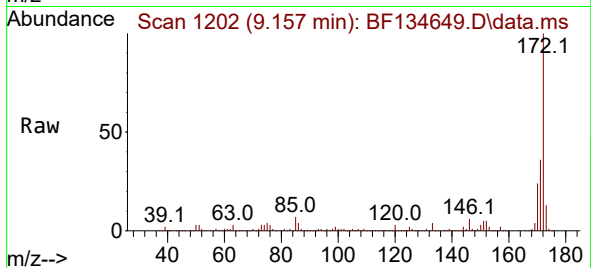
Tgt Ion:172 Resp: 1429732

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.8 18.7 28.1



#48

2-Nitroaniline

Concen: 3.181 ng

RT: 9.457 min Scan# 1253

Delta R.T. 0.077 min

Lab File: BF134649.D

Acq: 07 Aug 2023 12:27

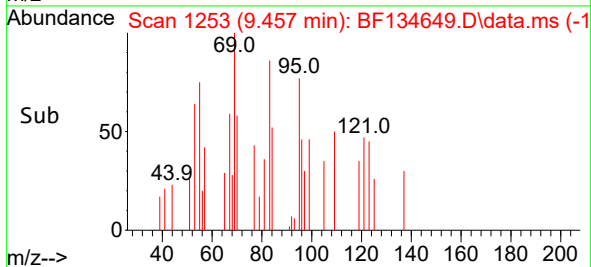
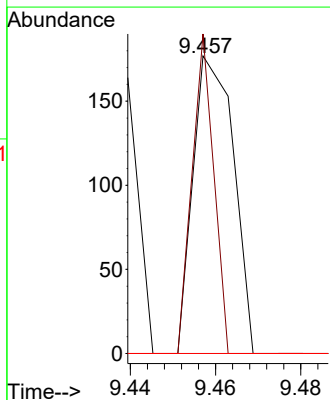
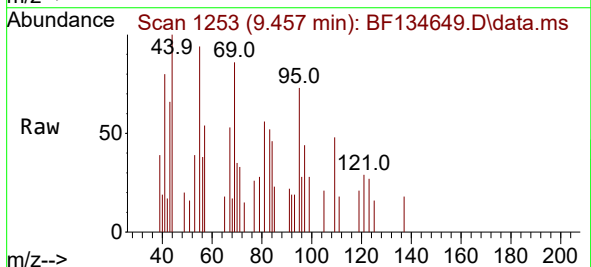
Tgt Ion: 65 Resp: 116

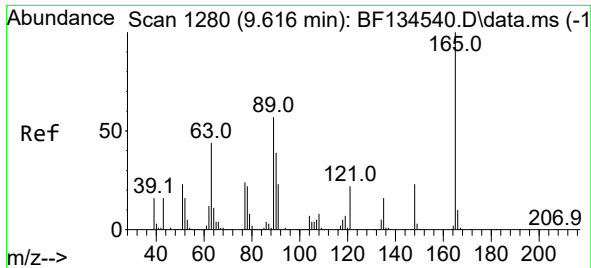
Ion Ratio Lower Upper

65 100

92 107.3 50.7 76.1#

138 0.0 78.2 117.4#





#51

2,6-Dinitrotoluene

Concen: 11.545 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.206 min

Lab File: BF134649.D

Acq: 07 Aug 2023 12:27

Instrument :

BNA_F

ClientSampleId :

500-1A-1B

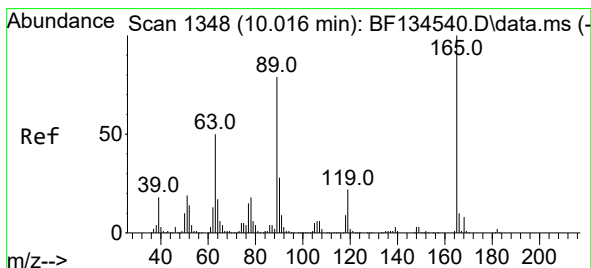
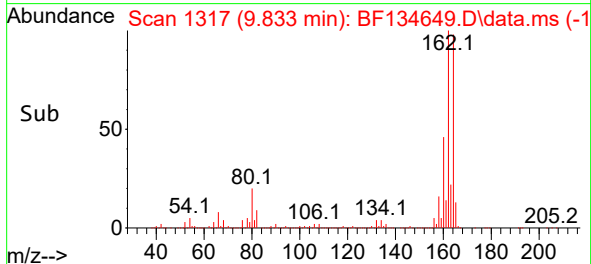
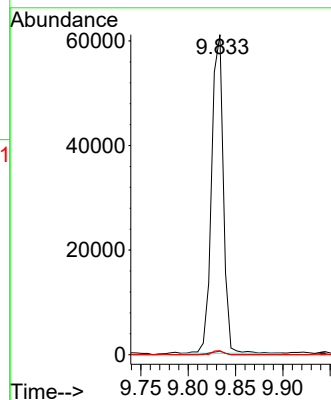
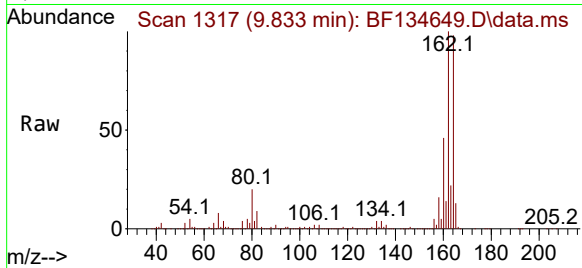
Tgt Ion:165 Resp: 52371

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: 10.285 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.194 min

Lab File: BF134649.D

Acq: 07 Aug 2023 12:27

Tgt Ion:165 Resp: 52371

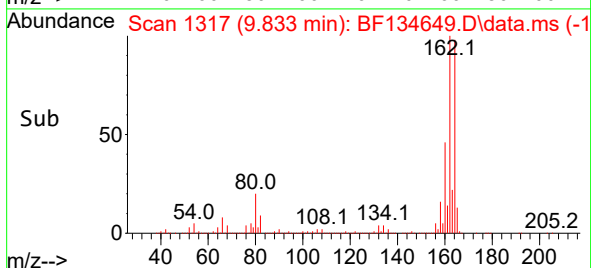
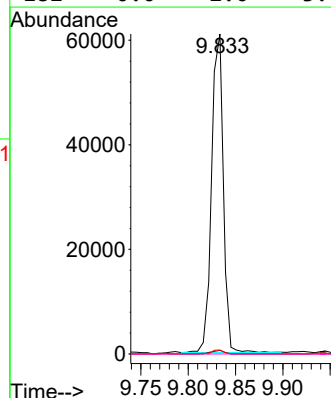
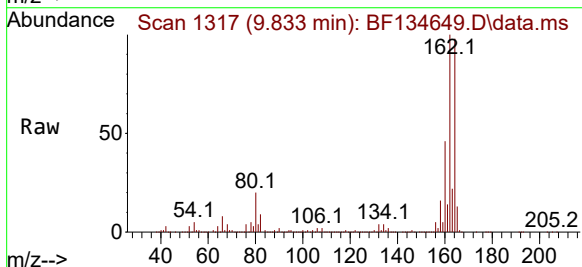
Ion Ratio Lower Upper

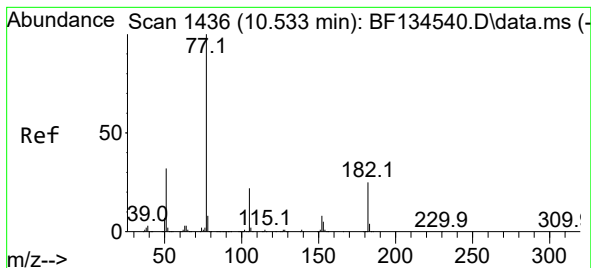
165 100

63 1.1 48.9 73.3#

89 1.3 61.7 92.5#

182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.002 ng

RT: 10.545 min Scan# 14

Delta R.T. 0.006 min

Lab File: BF134649.D

Acq: 07 Aug 2023 12:27

Instrument :

BNA_F

ClientSampleId :

500-1A-1B

Tgt Ion: 77 Resp: 54598

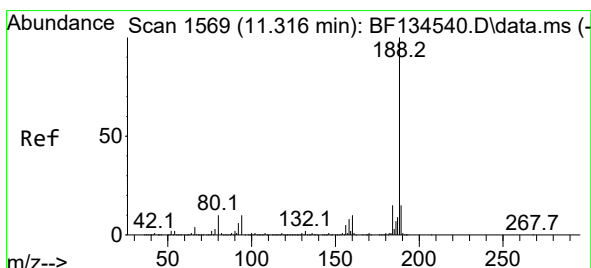
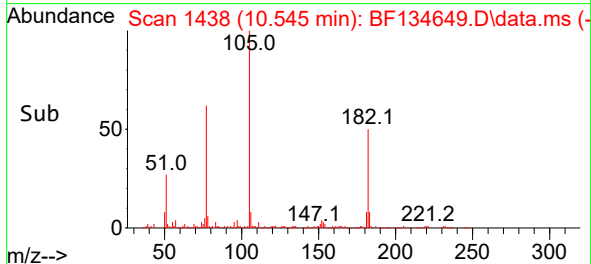
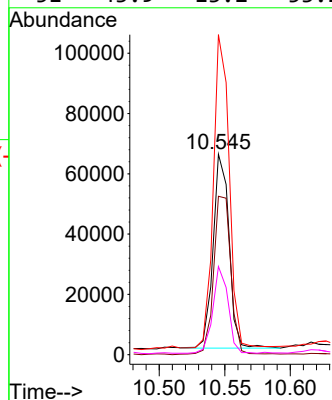
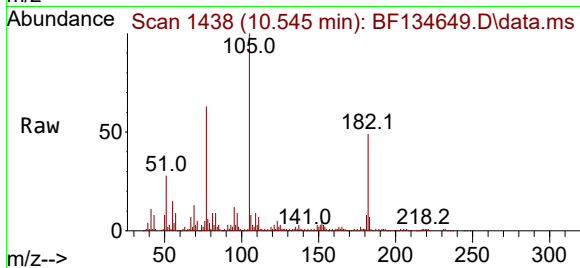
Ion Ratio Lower Upper

77 100

182 79.0 7.5 47.5#

105 159.6 1.9 41.9#

51 43.9 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: BF134649.D

Acq: 07 Aug 2023 12:27

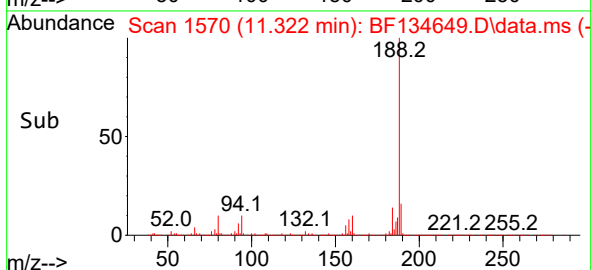
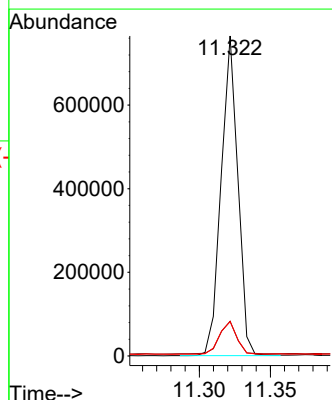
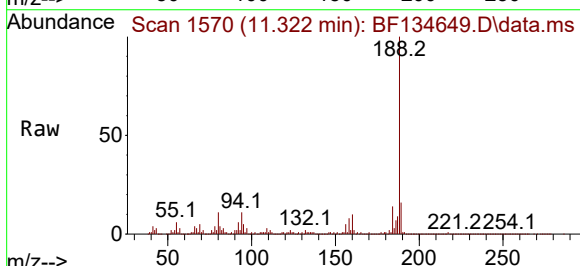
Tgt Ion: 188 Resp: 625742

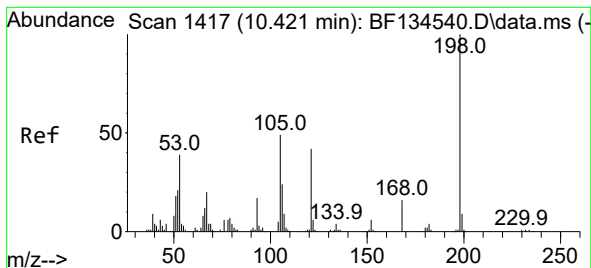
Ion Ratio Lower Upper

188 100

94 10.9 5.1 7.7#

80 10.8 6.6 9.8#

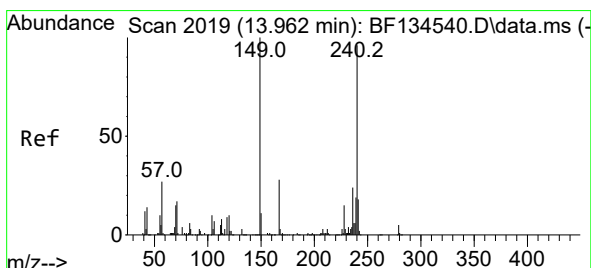
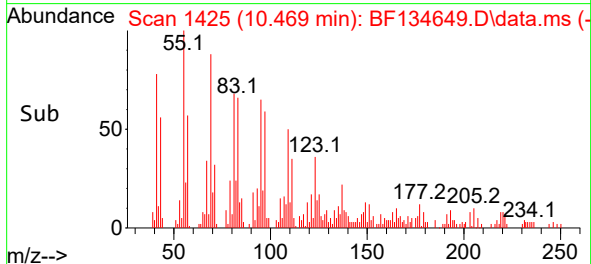
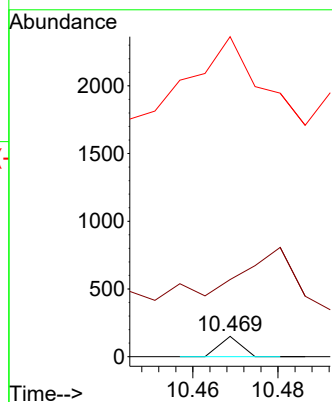
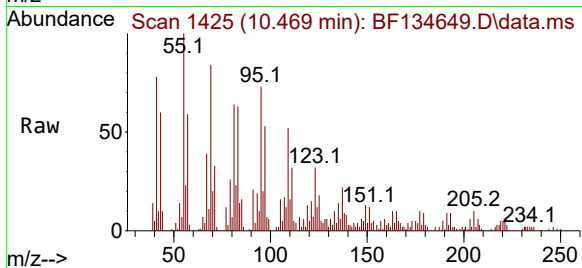




#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.716 ng
 RT: 10.469 min Scan# 1417
 Delta R.T. 0.030 min
 Lab File: BF134649.D
 Acq: 07 Aug 2023 12:27

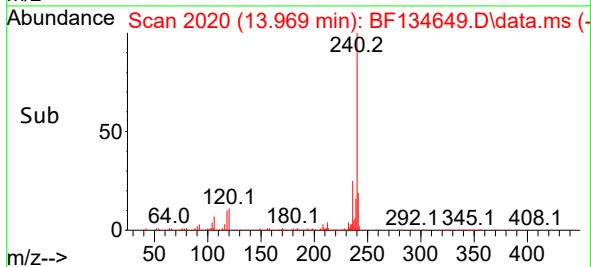
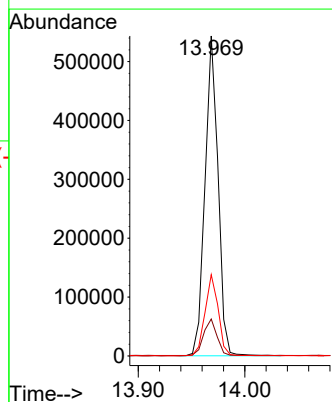
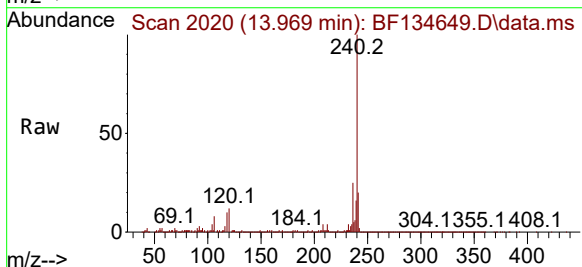
Instrument :
 BNA_F
 ClientSampleId :
 500-1A-1B

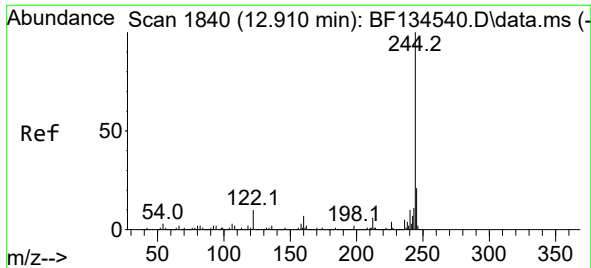
Tgt Ion:198 Resp: 53
 Ion Ratio Lower Upper
 198 100
 51 379.3 38.6 78.6#
 105 1575.3 27.9 67.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. -0.006 min
 Lab File: BF134649.D
 Acq: 07 Aug 2023 12:27

Tgt Ion:240 Resp: 462987
 Ion Ratio Lower Upper
 240 100
 120 11.5 6.6 10.0#
 236 25.4 20.2 30.2

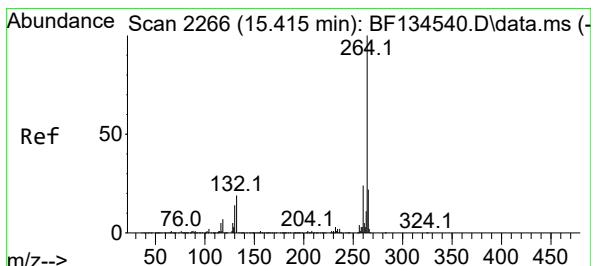
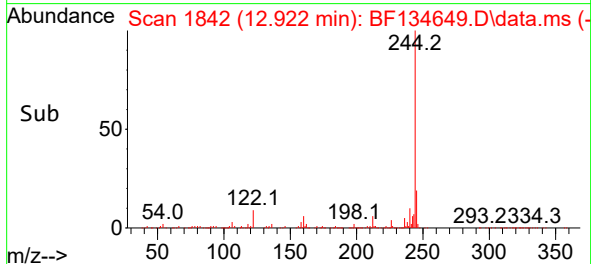
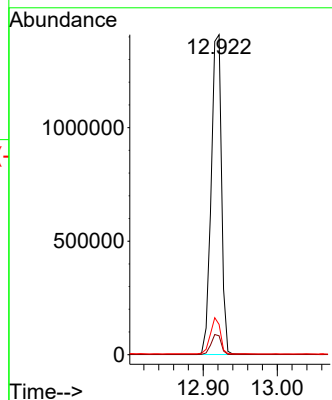
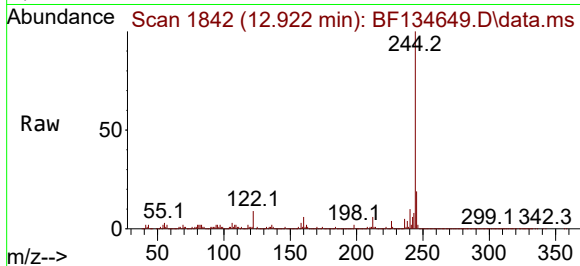




#79
 Terphenyl-d14
 Concen: 51.780 ng
 RT: 12.922 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF134649.D
 Acq: 07 Aug 2023 12:27

Instrument :
 BNA_F
 ClientSampleId :
 500-1A-1B

Tgt Ion:244 Resp: 1359914
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.6 8.4
 122 9.5 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: BF134649.D
 Acq: 07 Aug 2023 12:27

Tgt Ion:264 Resp: 460546
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.4 27.6
 265 21.7 15.8 23.8

