

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
 Data File : BF134738.D
 Acq On : 11 Aug 2023 18:10
 Operator : CG\JU
 Sample : 03971-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-05

Quant Time: Aug 11 22:23:18 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)

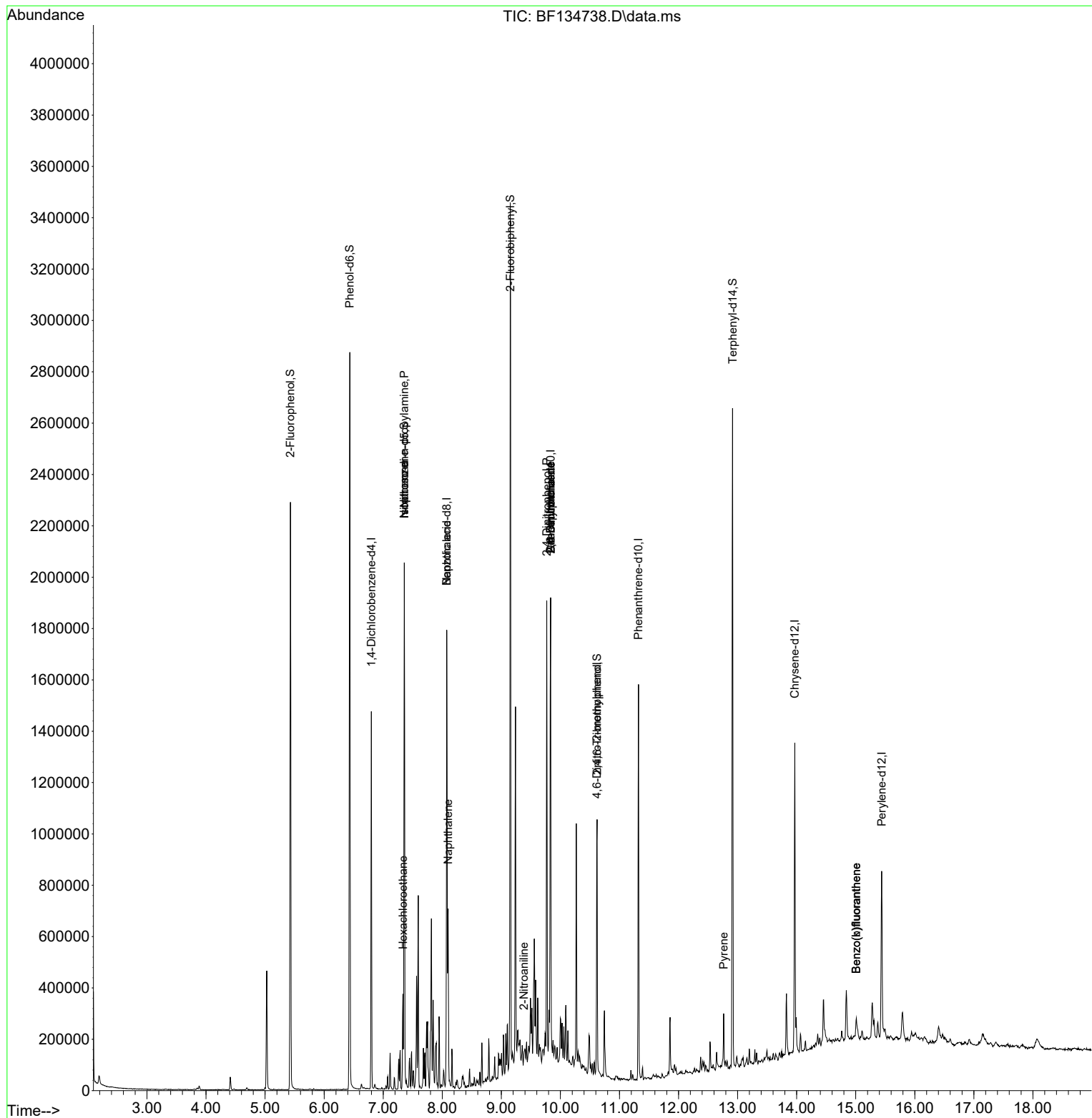
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	190576	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	738338	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	342381	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	536764	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	372964	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	320539	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	584406	46.614	ng	0.00
7) Phenol-d6	6.434	99	964211	60.165	ng	0.00
23) Nitrobenzene-d5	7.357	82	628437	53.191	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	124163	35.574	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1066151	51.775	ng	-0.01
79) Terphenyl-d14	12.916	244	904375	42.747	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	319	Below Cal		88
18) Hexachloroethane	7.334	117	11073	2.406 ng	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	84825	8.840 ng	#	72
25) Isophorone	7.357	82	621848	24.131 ng	#	65
31) Naphthalene	8.098	128	185002	4.986 ng		98
32) Benzoic acid	8.075	122	196	7.889 ng	#	1
48) 2-Nitroaniline	9.381	65	117	3.184 ng	#	64
50) Dimethylphthalate	9.834	163	71215	3.052 ng	#	1
51) 2,6-Dinitrotoluene	9.834	165	46121	11.640 ng	#	17
54) 2,4-Dinitrophenol	9.769	184	184	6.910 ng	#	1
57) 2,4-Dinitrotoluene	9.834	165	46121	10.363 ng	#	18
65) 4,6-Dinitro-2-methylph...	10.616	198	230	8.786 ng	#	1
78) Pyrene	12.763	202	80398	2.491 ng		99
88) Benzo(b)fluoranthene	15.010	252	51335	2.626 ng	#	86
89) Benzo(k)fluoranthene	15.010	252	51335	2.636 ng	#	88

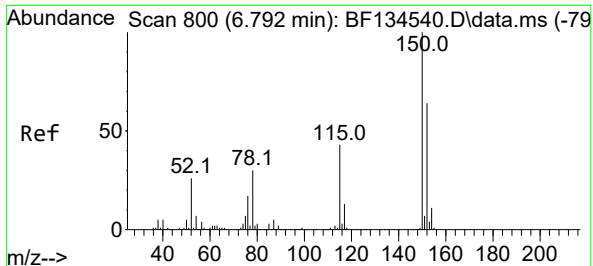
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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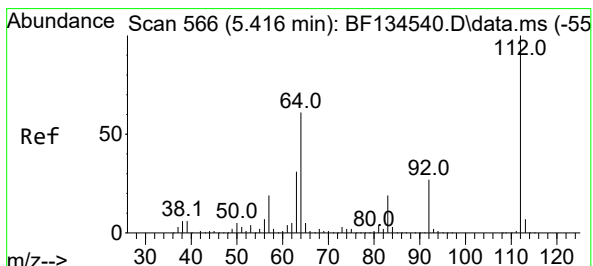
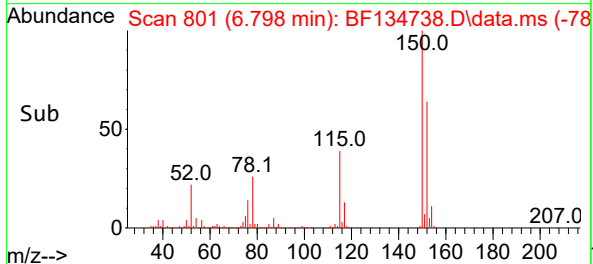
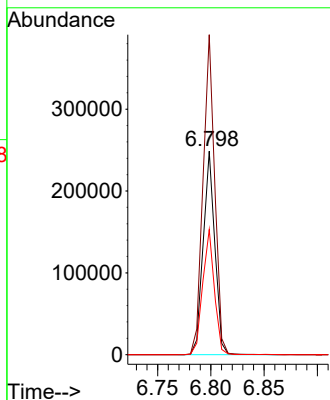
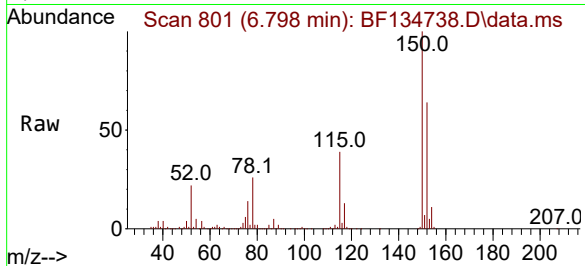




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

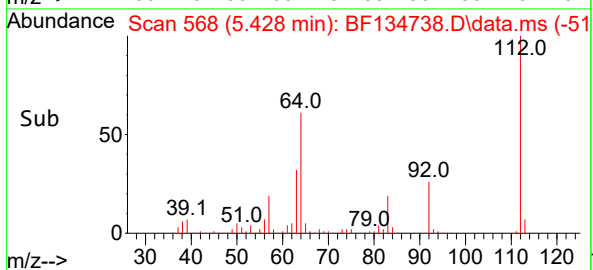
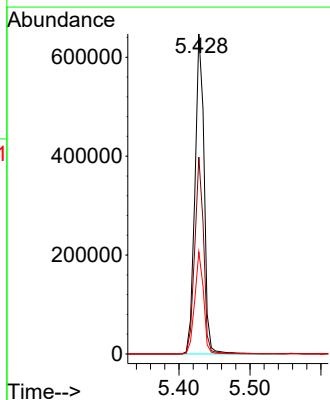
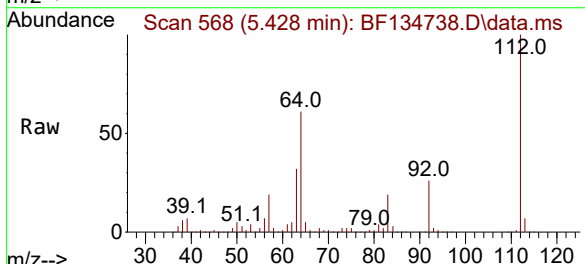
Instrument :
BNA_F
ClientSampleId :
DUP-05

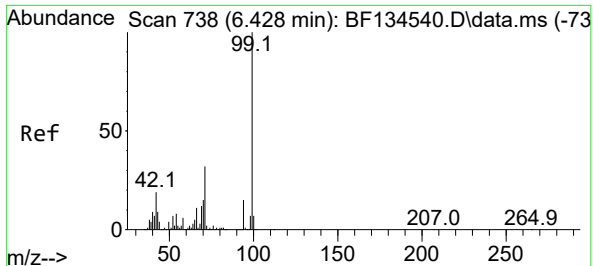
Tgt Ion:152 Resp: 190576
Ion Ratio Lower Upper
152 100
150 157.2 128.3 192.5
115 61.5 52.4 78.6



#5
2-Fluorophenol
Concen: 46.614 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

Tgt Ion:112 Resp: 584406
Ion Ratio Lower Upper
112 100
64 61.5 44.9 67.3
63 31.9 25.4 38.0





#7

Phenol-d6

Concen: 60.165 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF134738.D

Acq: 11 Aug 2023 18:10

Instrument :

BNA_F

ClientSampleId :

DUP-05

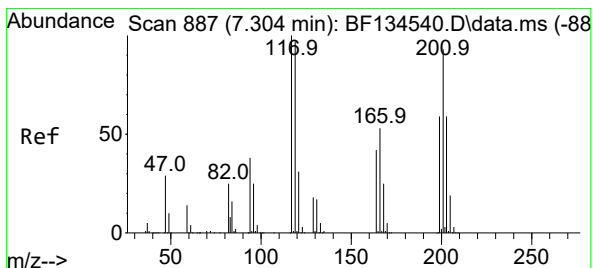
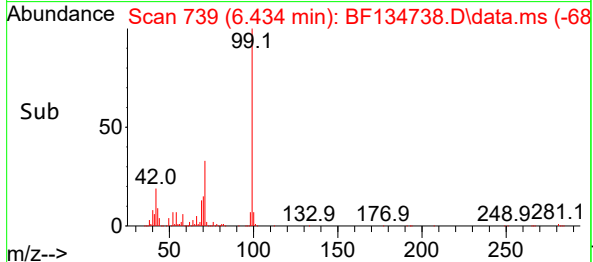
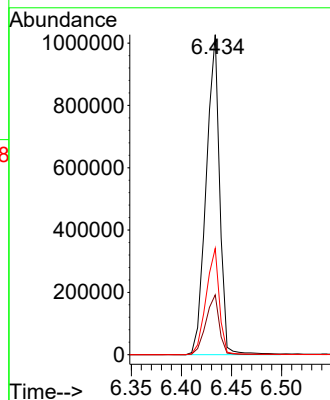
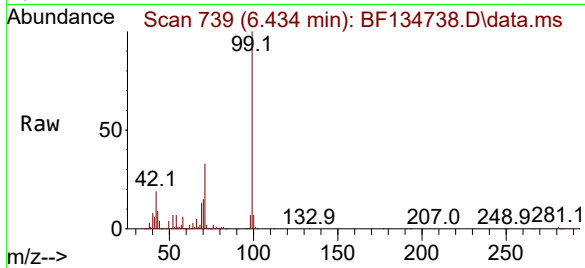
Tgt Ion: 99 Resp: 964211

Ion Ratio Lower Upper

99 100

42 18.7 18.7 28.1#

71 33.2 36.4 54.6#



#18

Hexachloroethane

Concen: 2.406 ng

RT: 7.334 min Scan# 892

Delta R.T. 0.024 min

Lab File: BF134738.D

Acq: 11 Aug 2023 18:10

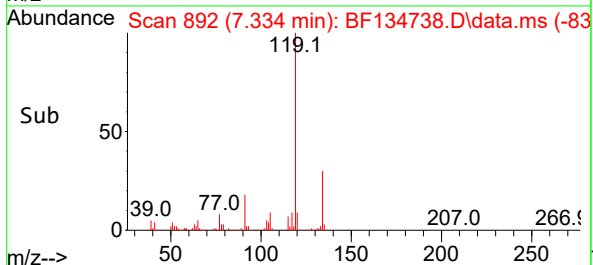
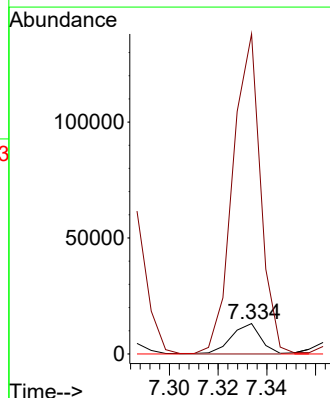
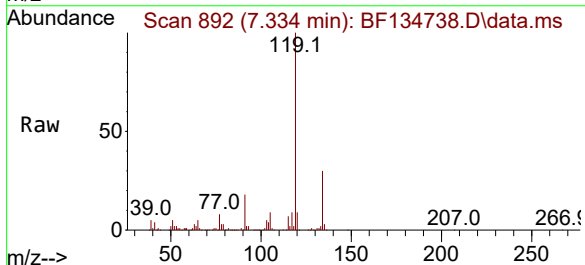
Tgt Ion: 117 Resp: 11073

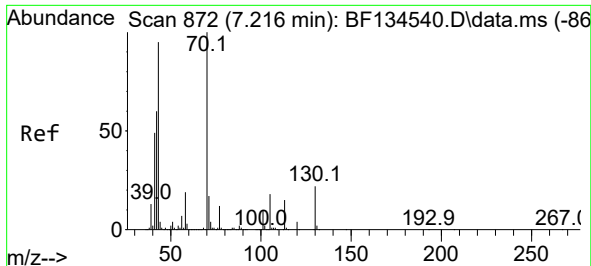
Ion Ratio Lower Upper

117 100

119 1055.2 75.8 113.8#

201 0.0 73.6 110.4#

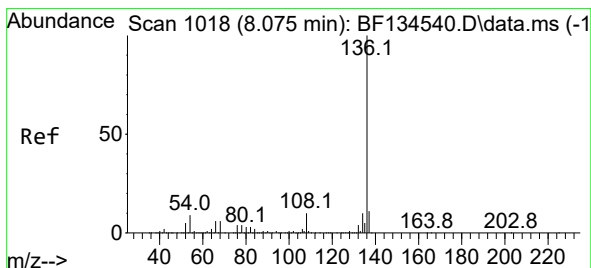
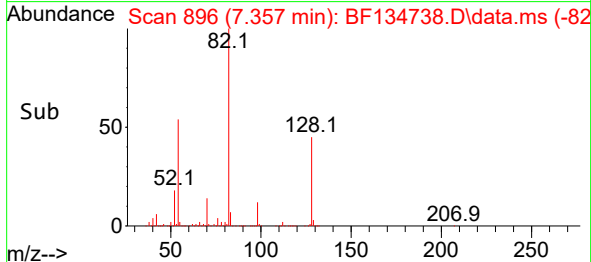
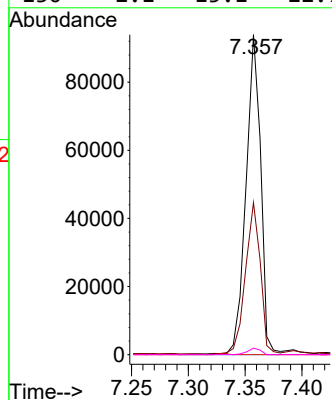
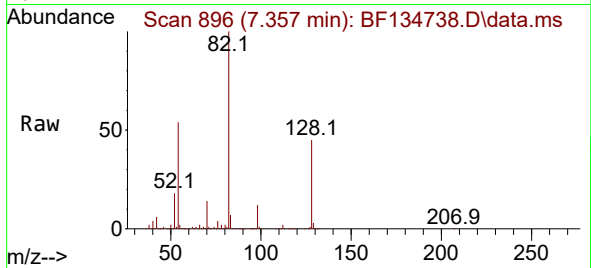




#19
n-Nitroso-di-n-propylamine
Concen: 8.840 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

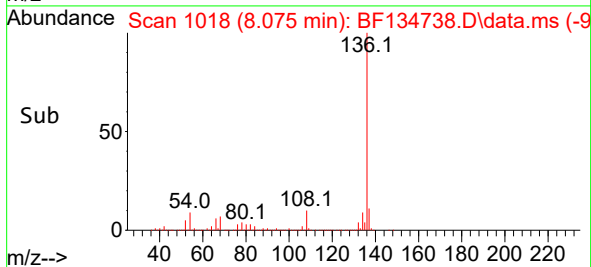
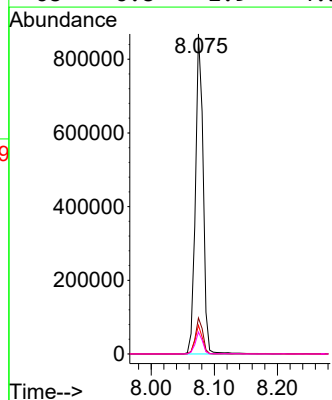
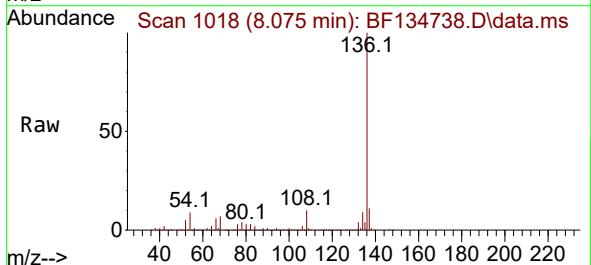
Instrument :
BNA_F
ClientSampleId :
DUP-05

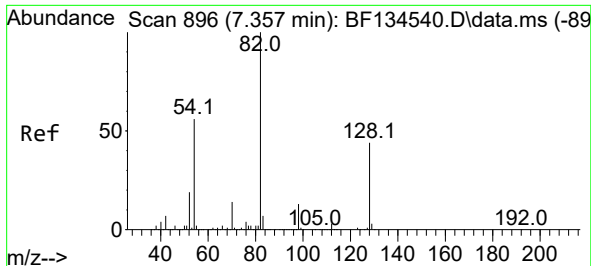
Tgt Ion: 70 Resp: 84825
Ion Ratio Lower Upper
70 100
42 47.6 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 15.1 22.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

Tgt Ion: 136 Resp: 738338
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.9 5.2 7.8#
68 6.8 2.9 4.3#

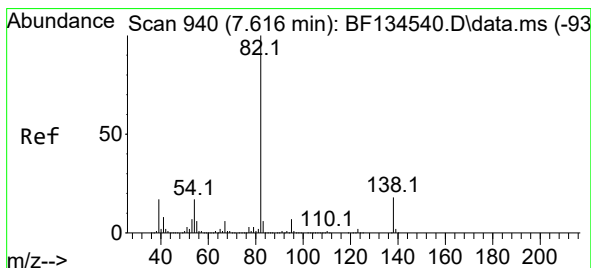
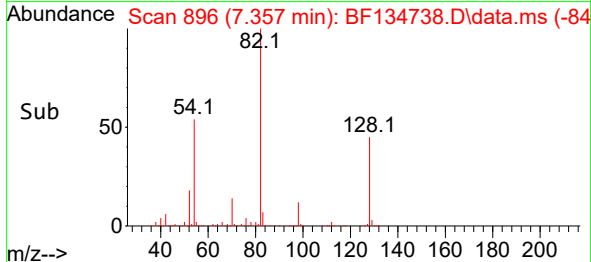
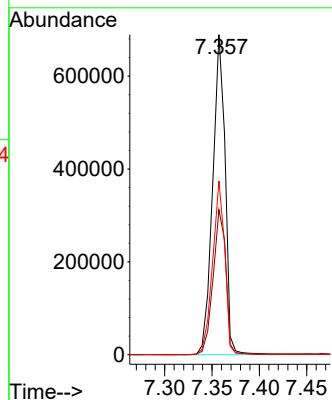
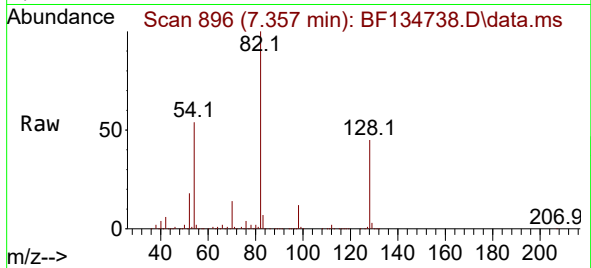




#23
Nitrobenzene-d5
Concen: 53.191 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

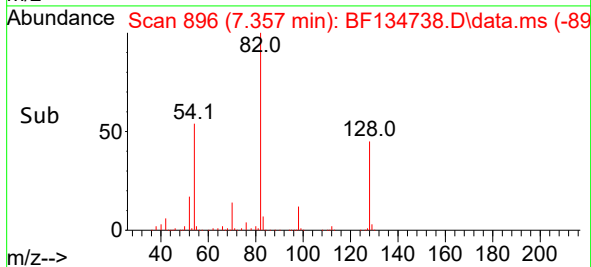
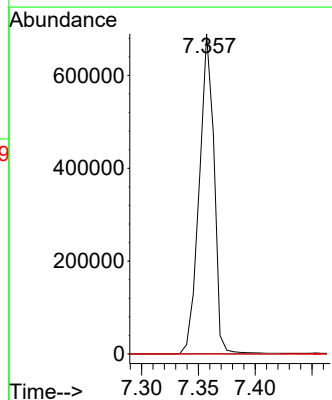
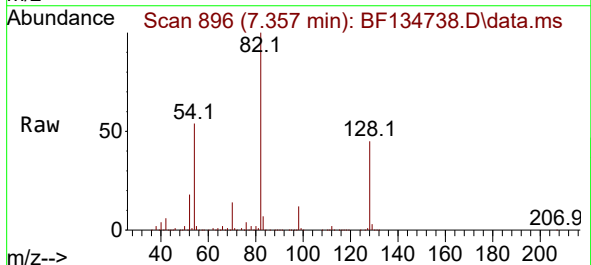
Instrument :
BNA_F
ClientSampleId :
DUP-05

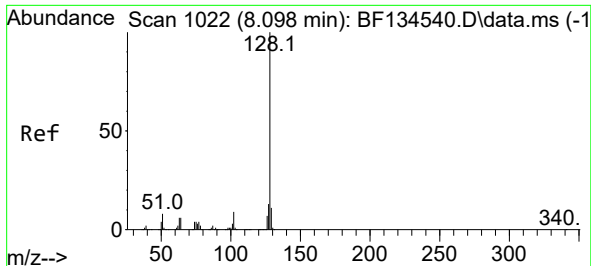
Tgt Ion: 82 Resp: 628437
Ion Ratio Lower Upper
82 100
128 45.3 34.3 51.5
54 54.2 43.8 65.6



#25
Isophorone
Concen: 24.131 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.270 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

Tgt Ion: 82 Resp: 621848
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#





#31

Naphthalene

Concen: 4.986 ng

RT: 8.098 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF134738.D

Acq: 11 Aug 2023 18:10

Instrument :

BNA_F

ClientSampleId :

DUP-05

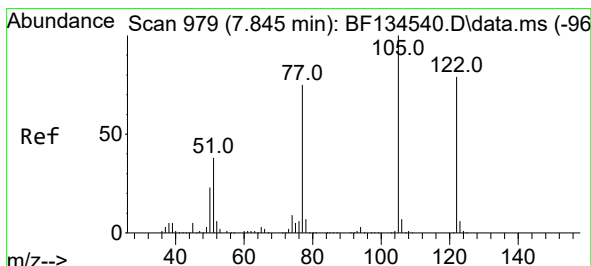
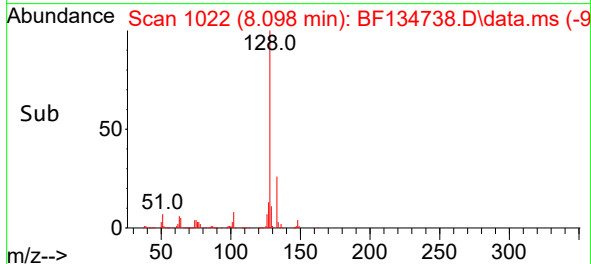
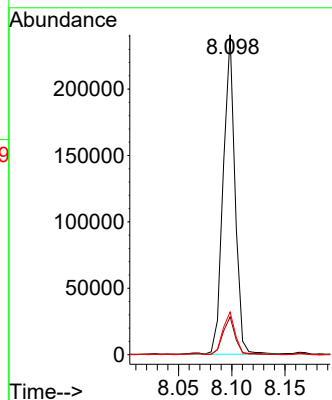
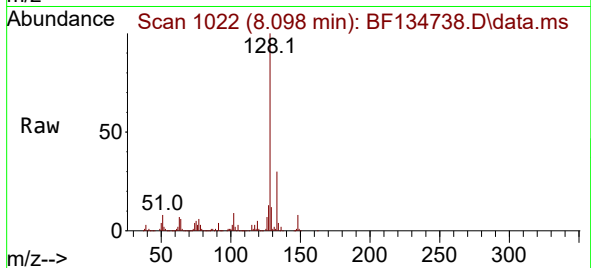
Tgt Ion:128 Resp: 185002

Ion Ratio Lower Upper

128 100

129 11.8 8.4 12.6

127 13.3 10.7 16.1



#32

Benzoic acid

Concen: 7.889 ng

RT: 8.075 min Scan# 1018

Delta R.T. 0.212 min

Lab File: BF134738.D

Acq: 11 Aug 2023 18:10

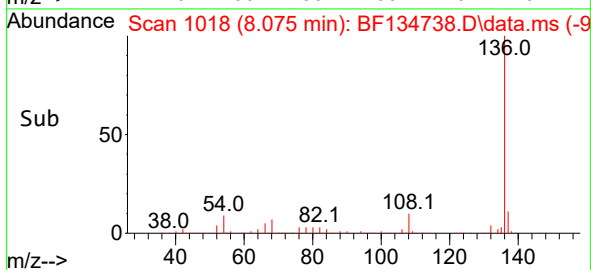
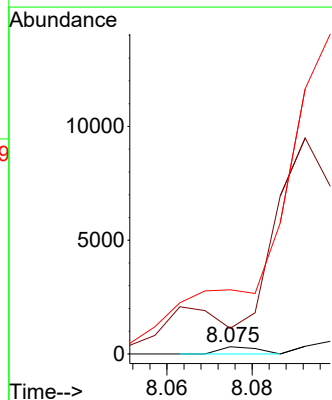
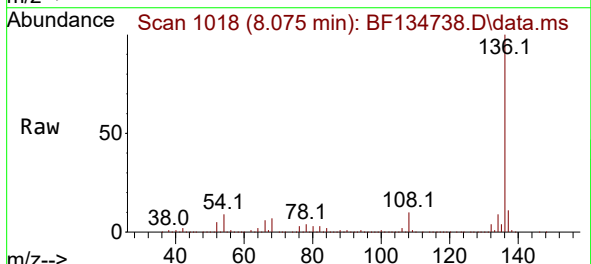
Tgt Ion:122 Resp: 196

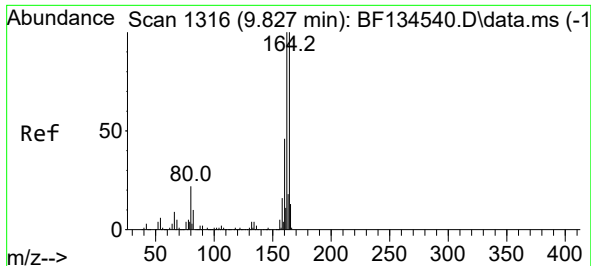
Ion Ratio Lower Upper

122 100

105 358.1 87.5 127.5#

77 894.3 71.4 111.4#

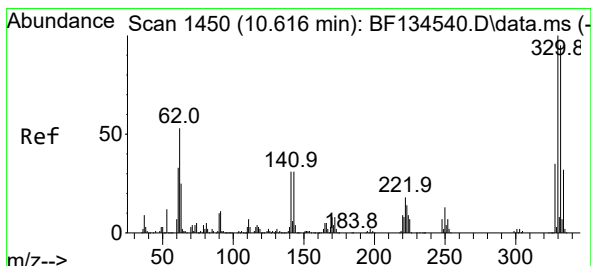
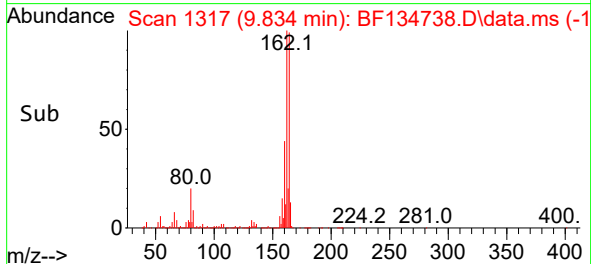
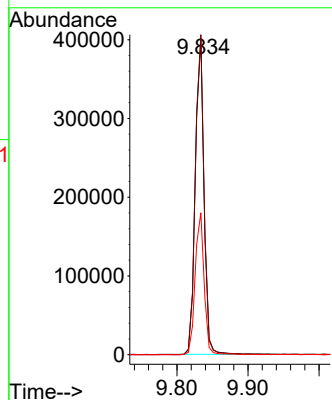
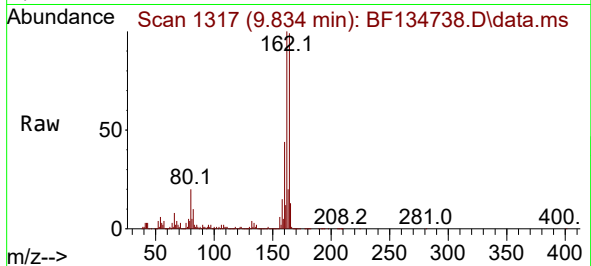




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

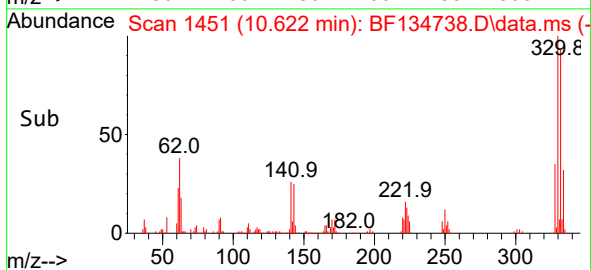
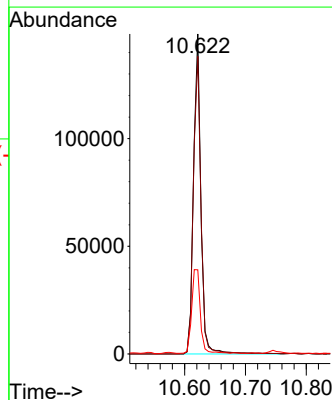
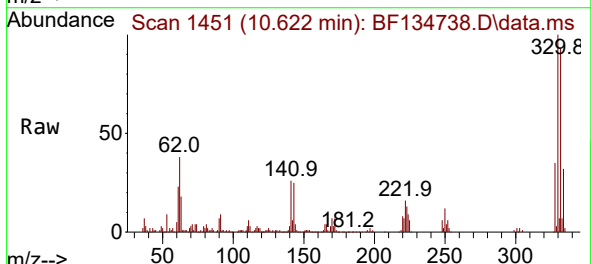
Instrument :
BNA_F
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DUP-05

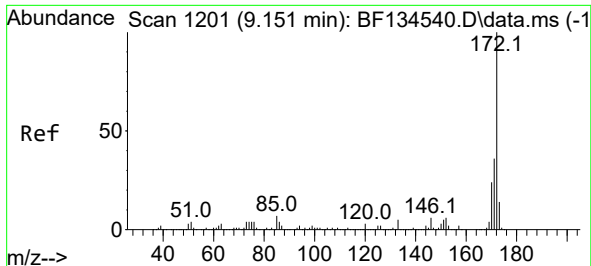
Tgt Ion:164 Resp: 342381
Ion Ratio Lower Upper
164 100
162 101.1 82.6 123.8
160 44.8 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 35.574 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

Tgt Ion:330 Resp: 124163
Ion Ratio Lower Upper
330 100
332 95.8 78.8 118.2
141 30.6 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 51.775 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134738.D

Acq: 11 Aug 2023 18:10

Instrument :

BNA_F

ClientSampleId :

DUP-05

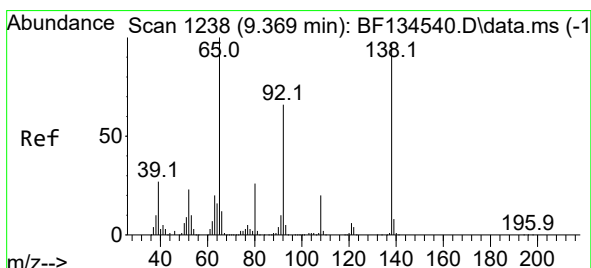
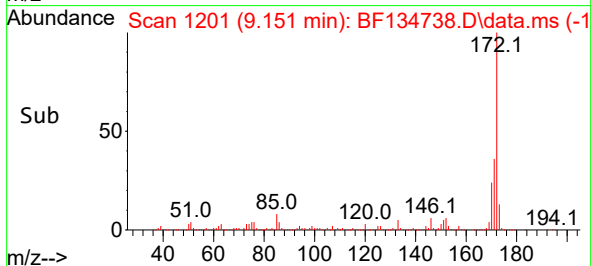
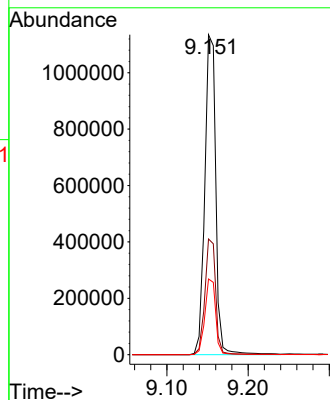
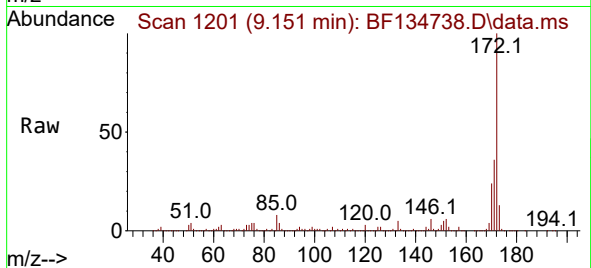
Tgt Ion:172 Resp: 1066151

Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 23.6 18.7 28.1



#48

2-Nitroaniline

Concen: 3.184 ng

RT: 9.381 min Scan# 1240

Delta R.T. 0.000 min

Lab File: BF134738.D

Acq: 11 Aug 2023 18:10

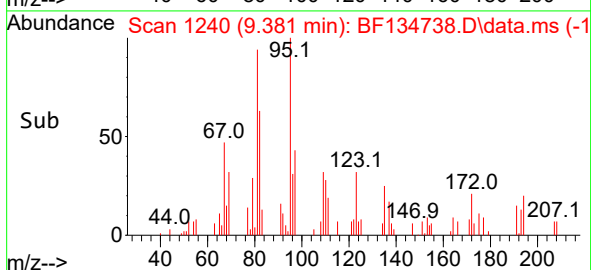
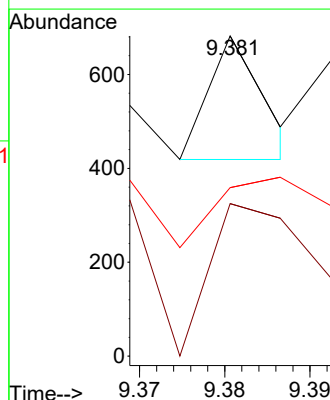
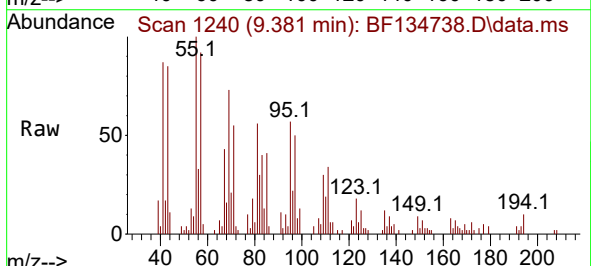
Tgt Ion: 65 Resp: 117

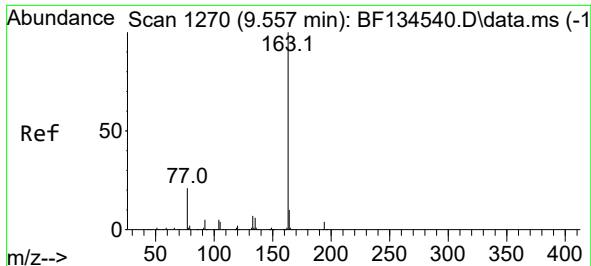
Ion Ratio Lower Upper

65 100

92 47.7 50.7 76.1#

138 52.6 78.2 117.4#

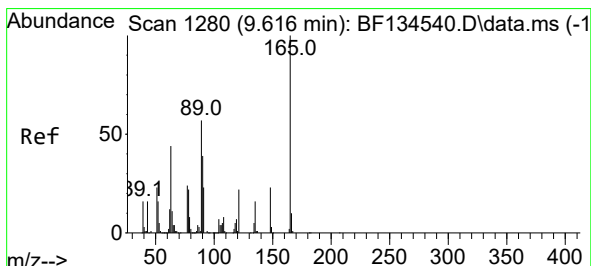
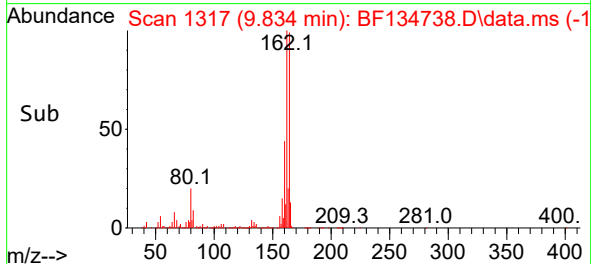
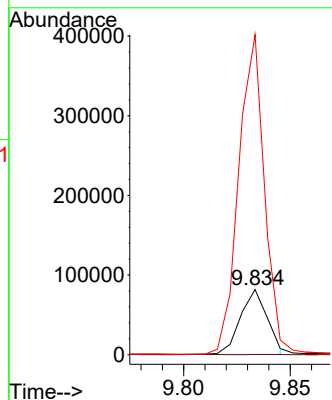
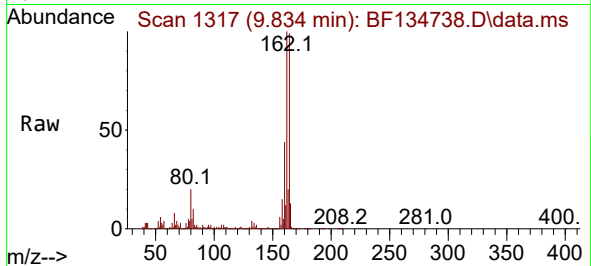




#50
Dimethylphthalate
Concen: 3.052 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

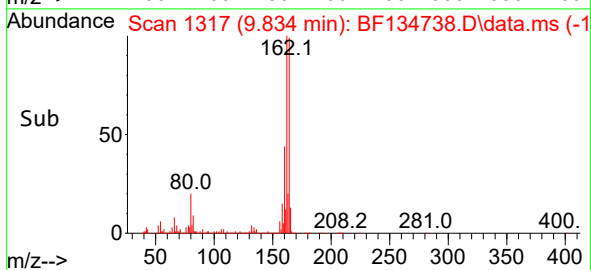
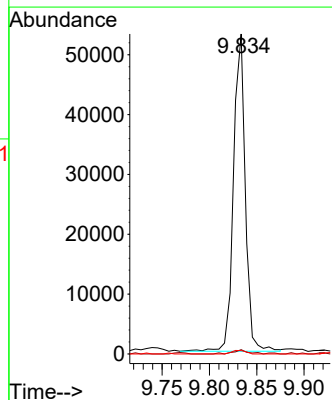
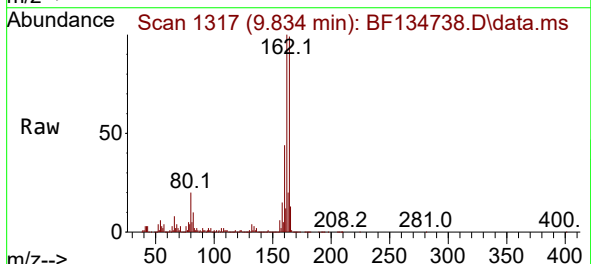
Instrument :
BNA_F
ClientSampleId :
DUP-05

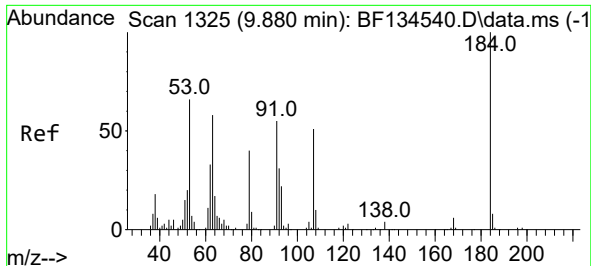
Tgt Ion:163 Resp: 71215
Ion Ratio Lower Upper
163 100
194 0.3 3.3 4.9#
164 491.3 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.640 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

Tgt Ion:165 Resp: 46121
Ion Ratio Lower Upper
165 100
63 1.4 57.8 86.6#
89 1.1 51.8 77.8#

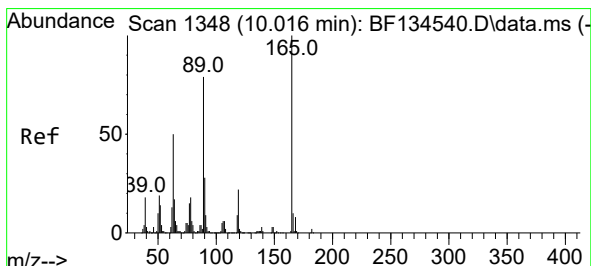
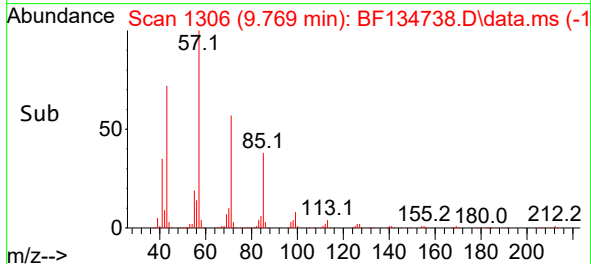
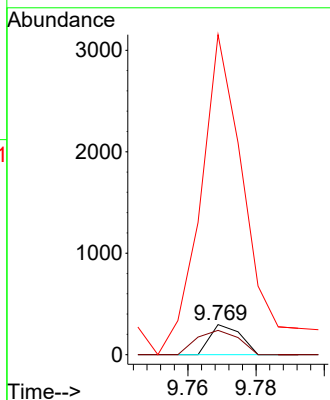
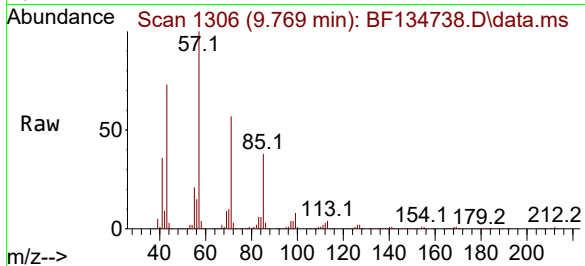




#54
2,4-Dinitrophenol
Concen: 6.910 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.129 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

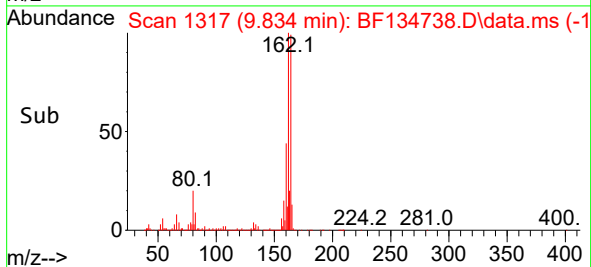
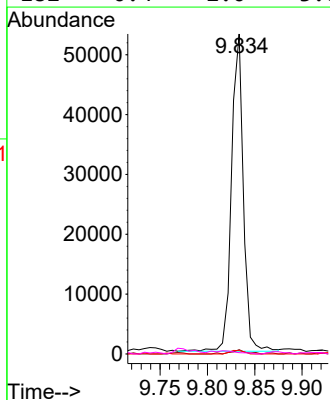
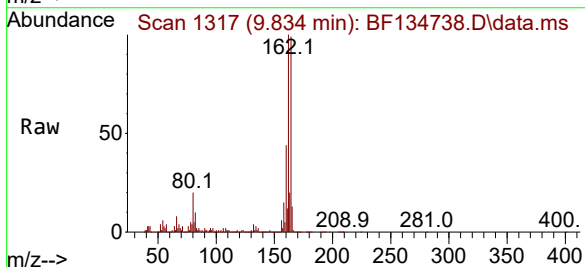
Instrument :
BNA_F
ClientSampleId :
DUP-05

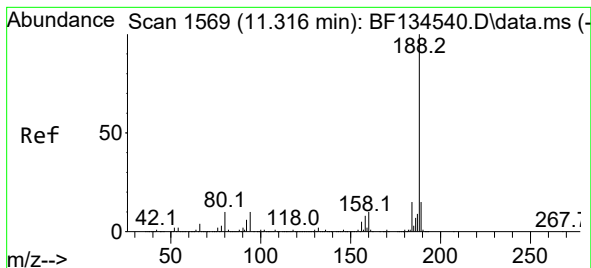
Tgt Ion:184 Resp: 184
Ion Ratio Lower Upper
184 100
63 80.7 57.1 85.7
154 1065.5 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 10.363 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

Tgt Ion:165 Resp: 46121
Ion Ratio Lower Upper
165 100
63 1.4 48.9 73.3#
89 1.1 61.7 92.5#
182 0.4 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134738.D

Acq: 11 Aug 2023 18:10

Instrument :

BNA_F

ClientSampleId :

DUP-05

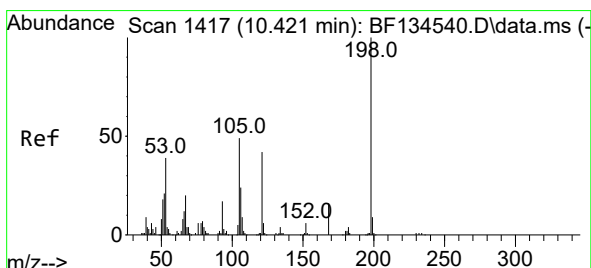
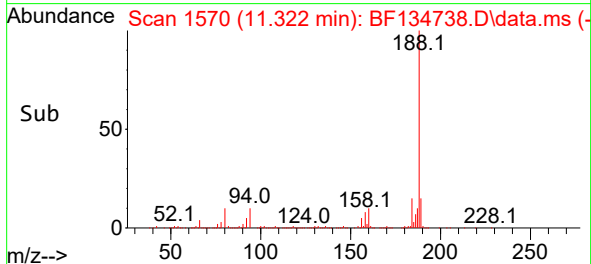
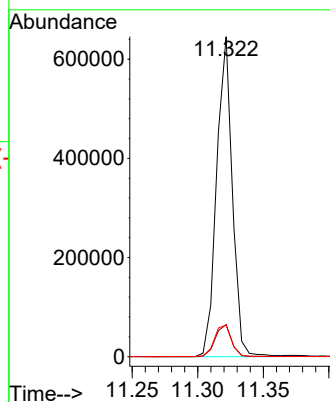
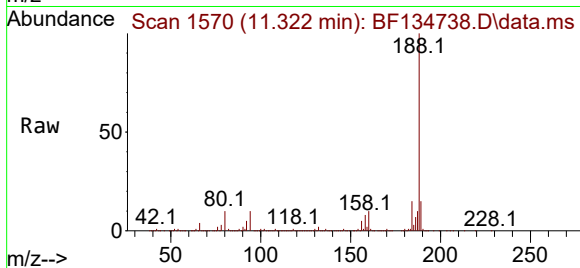
Tgt Ion:188 Resp: 536764

Ion Ratio Lower Upper

188 100

94 10.0 5.1 7.7#

80 9.9 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.786 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.177 min

Lab File: BF134738.D

Acq: 11 Aug 2023 18:10

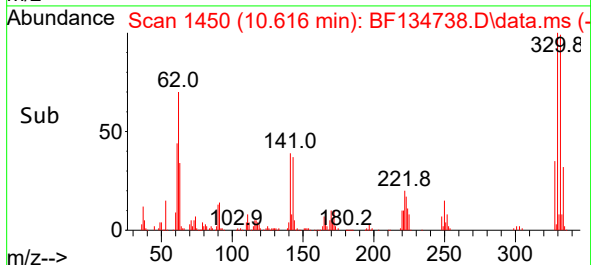
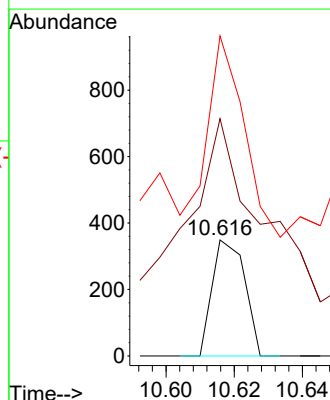
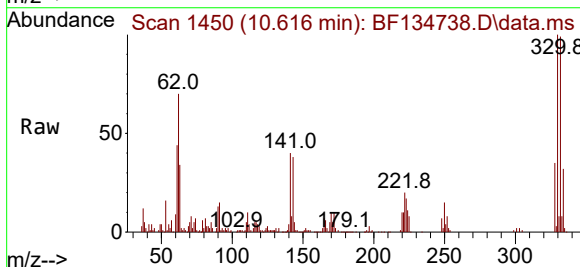
Tgt Ion:198 Resp: 230

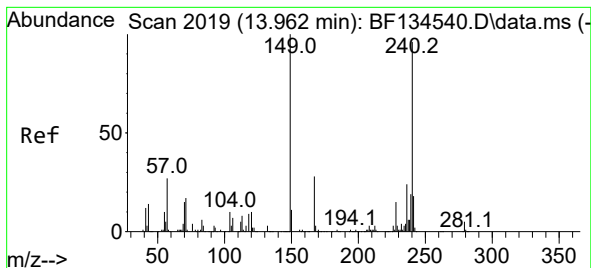
Ion Ratio Lower Upper

198 100

51 204.6 38.6 78.6#

105 275.9 27.9 67.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134738.D

Acq: 11 Aug 2023 18:10

Instrument :

BNA_F

ClientSampleId :

DUP-05

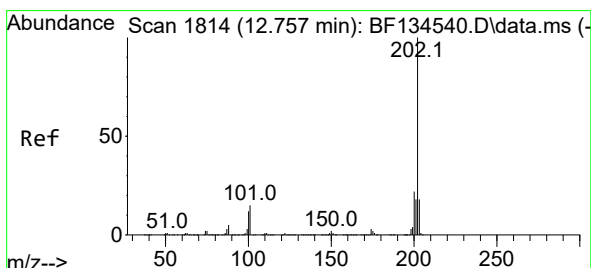
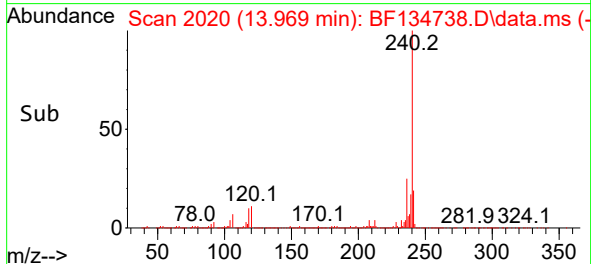
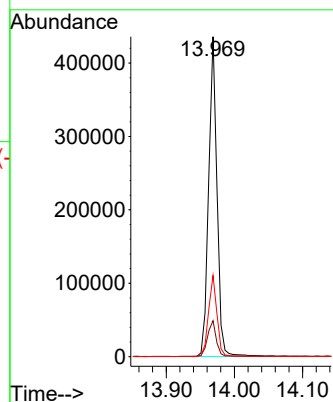
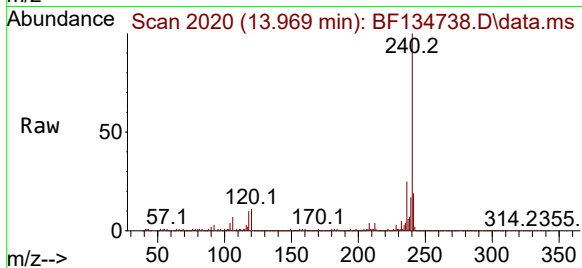
Tgt Ion:240 Resp: 372964

Ion Ratio Lower Upper

240 100

120 11.2 6.6 10.0#

236 25.4 20.2 30.2



#78

Pyrene

Concen: 2.491 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134738.D

Acq: 11 Aug 2023 18:10

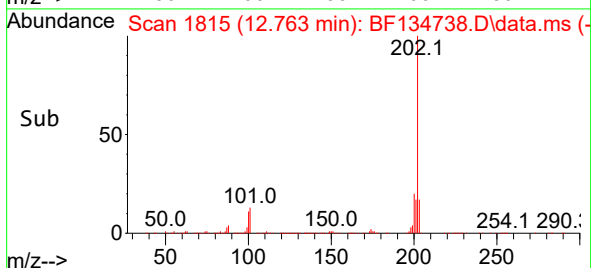
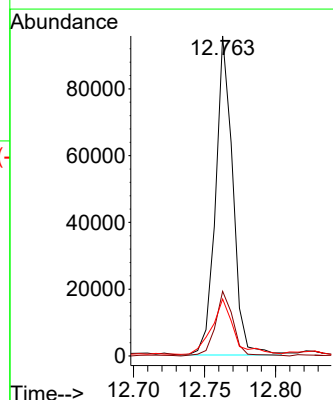
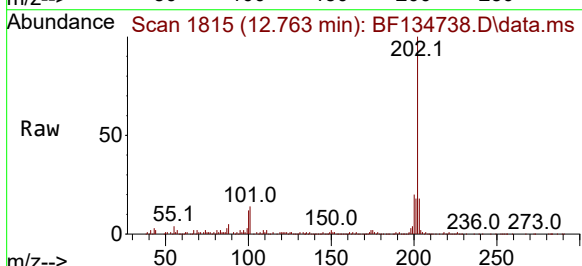
Tgt Ion:202 Resp: 80398

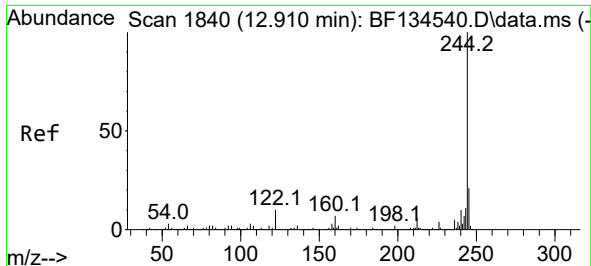
Ion Ratio Lower Upper

202 100

200 20.2 15.8 23.8

203 17.8 13.5 20.3

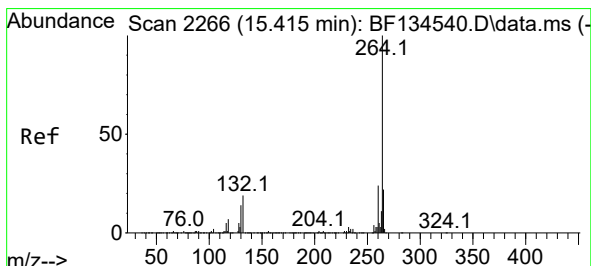
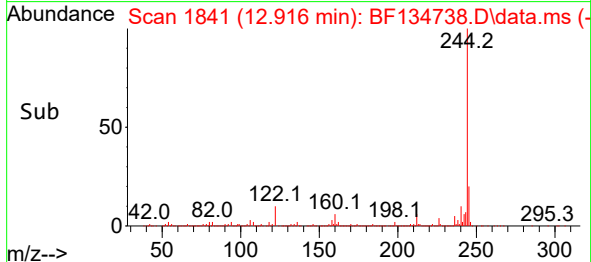
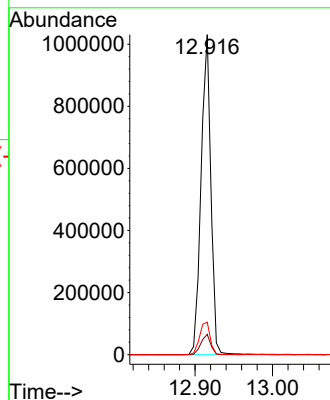
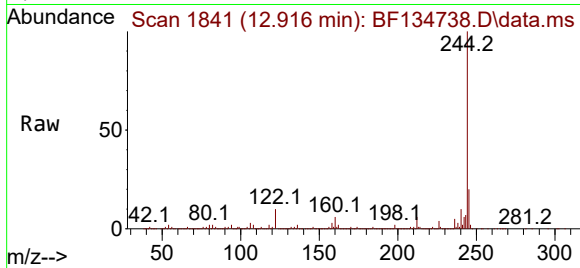




#79
 Terphenyl-d14
 Concen: 42.747 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134738.D
 Acq: 11 Aug 2023 18:10

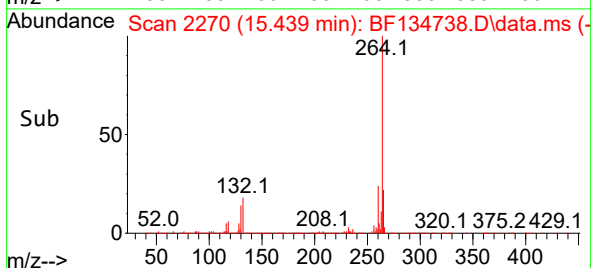
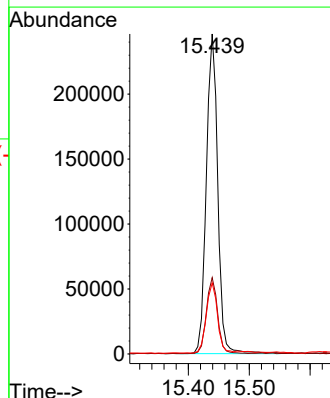
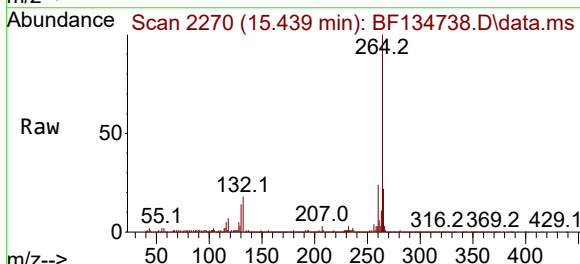
Instrument :
 BNA_F
 ClientSampleId :
 DUP-05

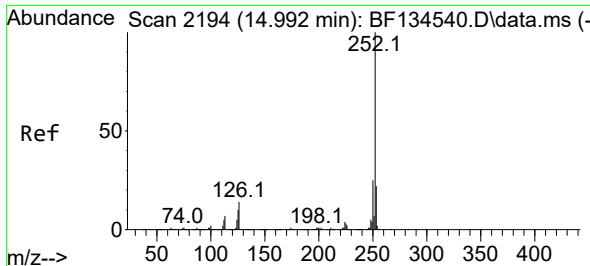
Tgt Ion:244 Resp: 904375
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.1 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF134738.D
 Acq: 11 Aug 2023 18:10

Tgt Ion:264 Resp: 320539
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.4 27.6
 265 22.2 15.8 23.8

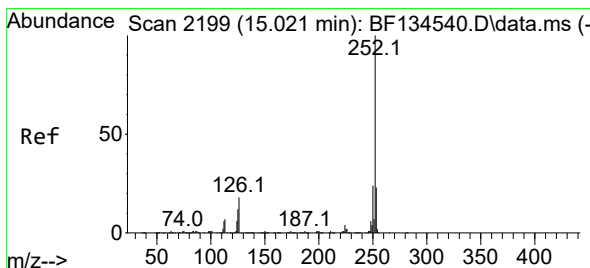
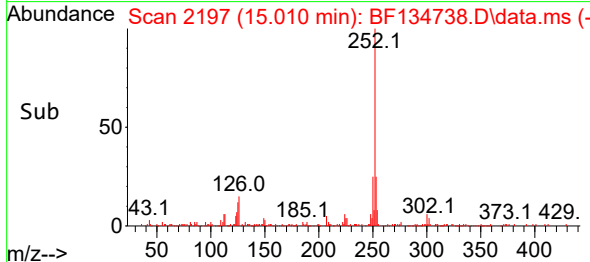
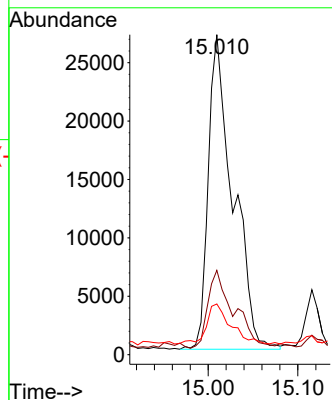
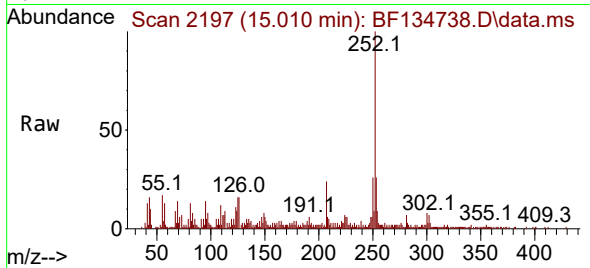




#88
Benzo(b)fluoranthene
Concen: 2.626 ng
RT: 15.010 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

Instrument :
BNA_F
ClientSampleId :
DUP-05

Tgt Ion:252 Resp: 51335
Ion Ratio Lower Upper
252 100
253 26.3 17.3 25.9#
125 15.8 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 2.636 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.029 min
Lab File: BF134738.D
Acq: 11 Aug 2023 18:10

Tgt Ion:252 Resp: 51335
Ion Ratio Lower Upper
252 100
253 26.3 17.9 26.9
125 15.8 6.3 9.5#

