

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134654.D
 Acq On : 07 Aug 2023 15:10
 Operator : CG\JU
 Sample : 03887-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MCLEAN-TP4

Quant Time: Aug 08 01:21:49 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)

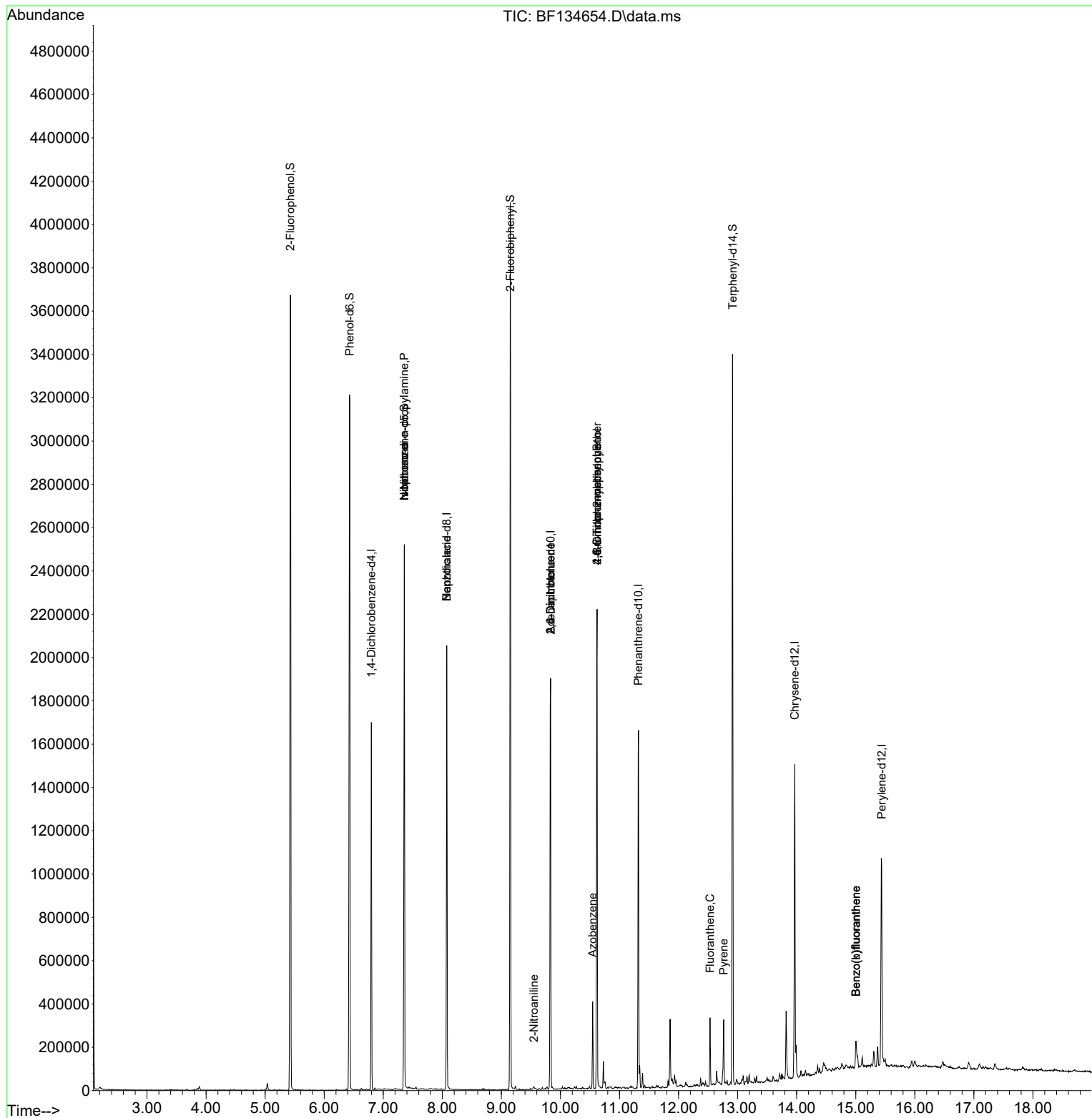
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	214069	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	811108	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	382516	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	606050	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	446369	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	457710	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1019088	72.365	ng	0.00
7) Phenol-d6	6.434	99	1263976	70.214	ng	0.00
23) Nitrobenzene-d5	7.357	82	731993	56.397	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	270524	69.376	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1246361	54.176	ng	-0.01
79) Terphenyl-d14	12.915	244	1113162	43.963	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	152	Below Cal	#	53
19) n-Nitroso-di-n-propyla...	7.357	70	99314	9.214	ng	# 74
25) Isophorone	7.357	82	727777	25.708	ng	# 65
32) Benzoic acid	8.075	122	73	7.875	ng	# 1
48) 2-Nitroaniline	9.551	65	116	3.182	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	49312	11.247	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	49312	10.040	ng	# 18
63) Azobenzene	10.545	77	61623	2.321	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.621	198	643	8.914	ng	# 1
67) 4-Bromophenyl-phenylether	10.621	248	16789	2.531	ng	# 1
75) Fluoranthene	12.533	202	111143	3.269	ng	95
78) Pyrene	12.762	202	112616	2.916	ng	99
88) Benzo(b)fluoranthene	15.004	252	83367	2.986	ng	# 94
89) Benzo(k)fluoranthene	15.004	252	83367	2.998	ng	# 96

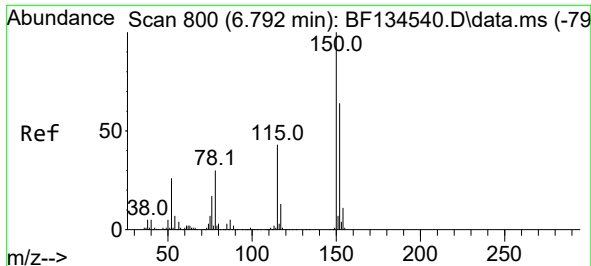
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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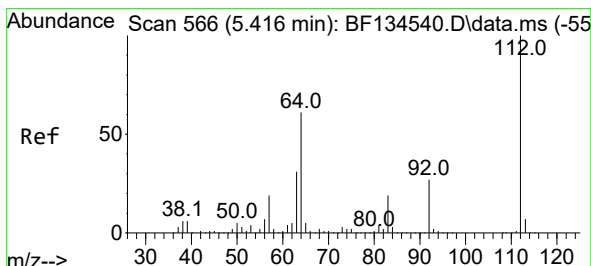
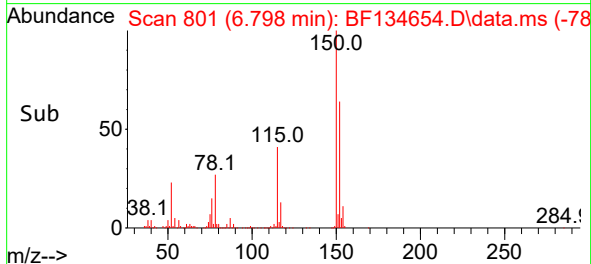
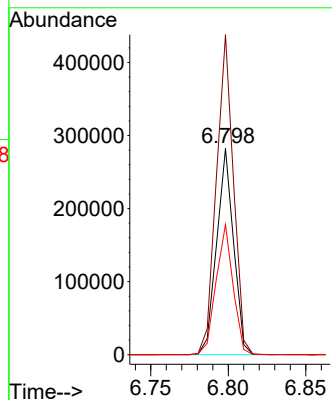
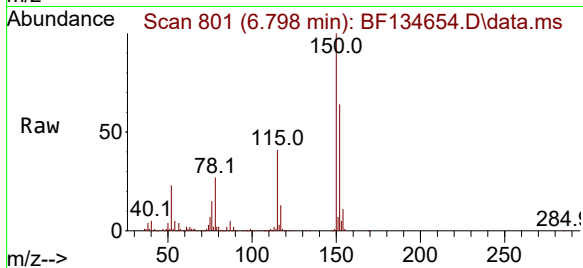




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF134654.D
 Acq: 07 Aug 2023 15:10

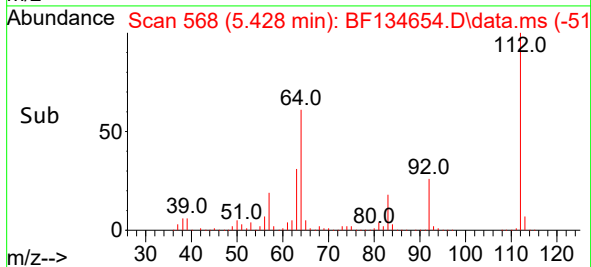
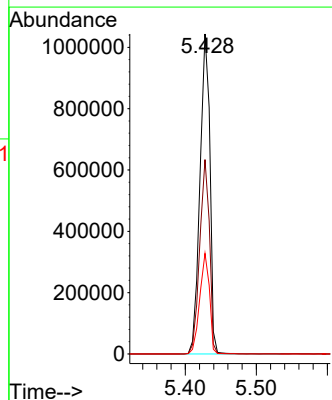
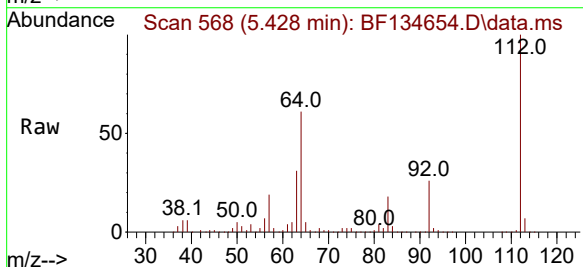
Instrument :
 BNA_F
 ClientSampleId :
 MCLEAN-TP4

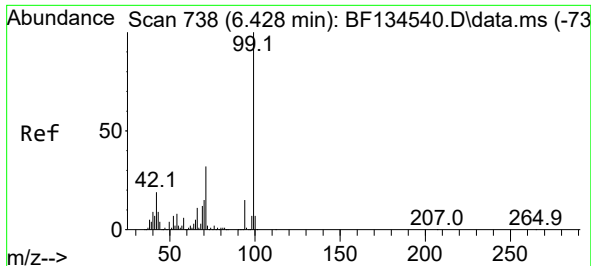
Tgt Ion:152 Resp: 214069
 Ion Ratio Lower Upper
 152 100
 150 155.1 128.3 192.5
 115 63.0 52.4 78.6



#5
 2-Fluorophenol
 Concen: 72.365 ng
 RT: 5.428 min Scan# 568
 Delta R.T. -0.000 min
 Lab File: BF134654.D
 Acq: 07 Aug 2023 15:10

Tgt Ion:112 Resp: 1019088
 Ion Ratio Lower Upper
 112 100
 64 60.7 44.9 67.3
 63 31.5 25.4 38.0

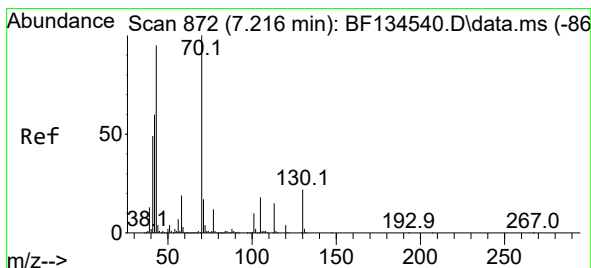
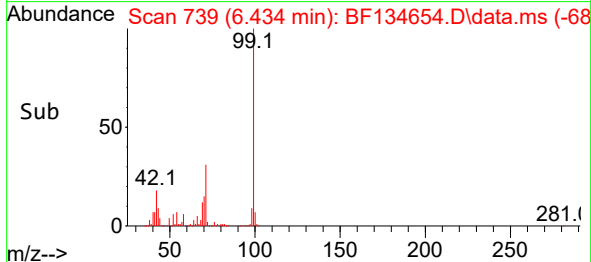
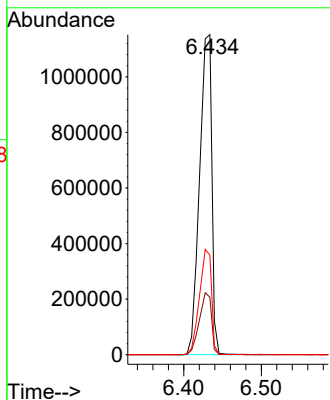
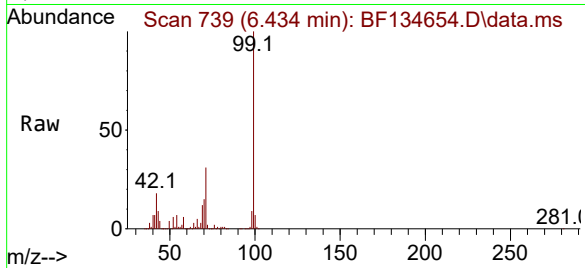




#7
Phenol-d6
Concen: 70.214 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

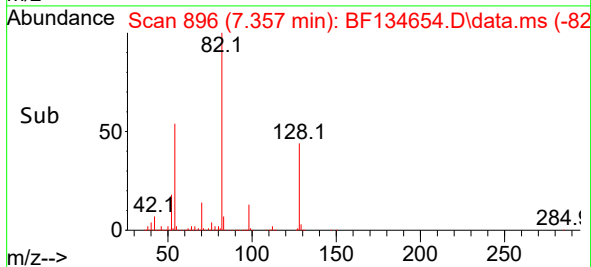
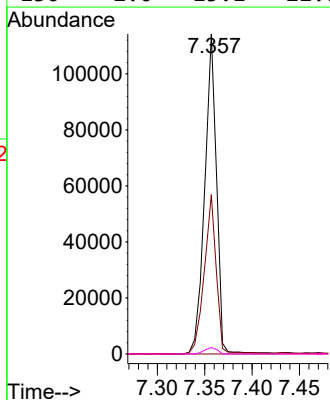
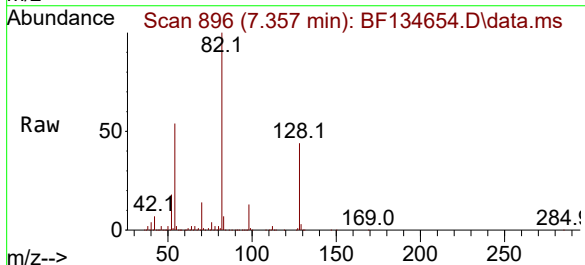
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

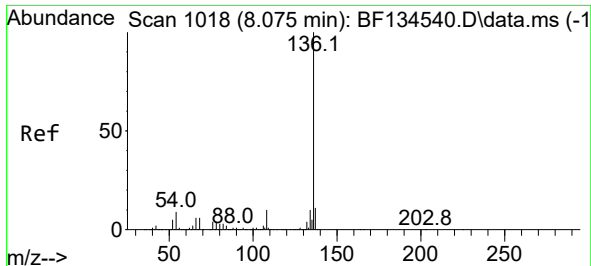
Tgt Ion: 99 Resp: 1263976
Ion Ratio Lower Upper
99 100
42 17.9 18.7 28.1#
71 31.1 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 9.214 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

Tgt Ion: 70 Resp: 99314
Ion Ratio Lower Upper
70 100
42 49.8 54.7 82.1#
101 0.0 8.2 12.2#
130 2.0 15.1 22.7#

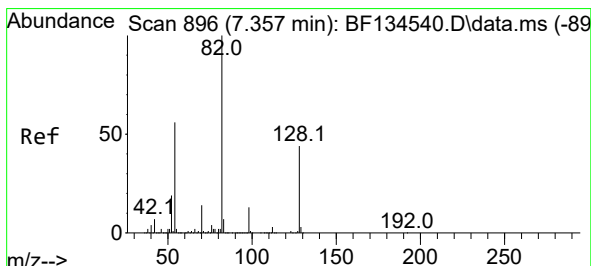
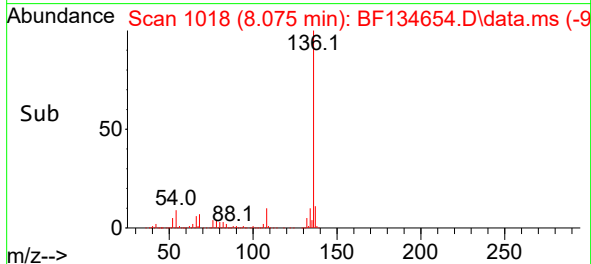
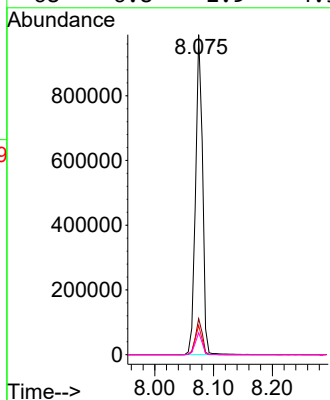
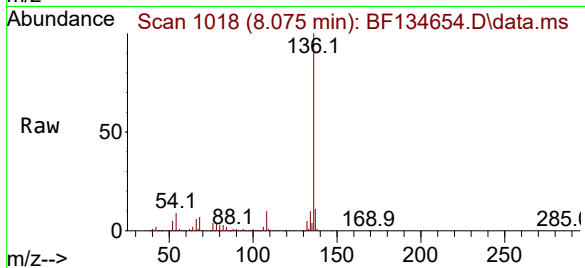




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

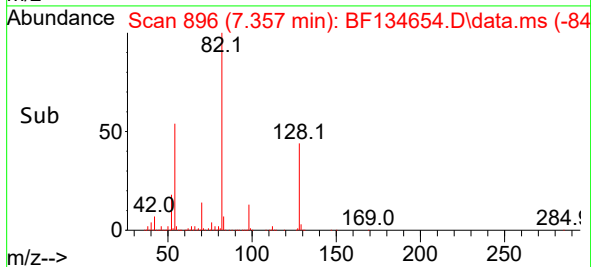
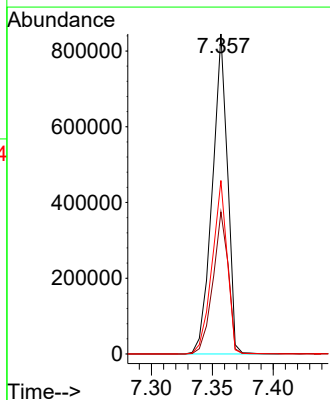
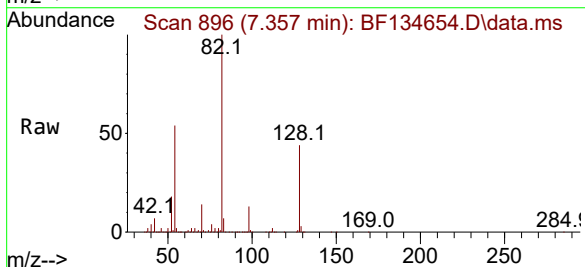
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

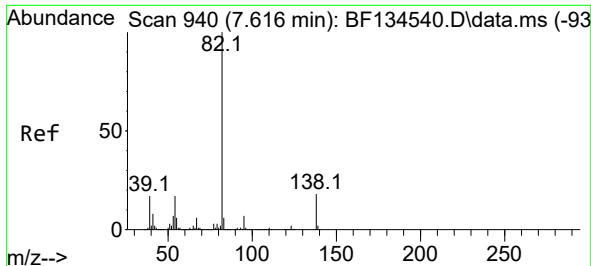
Tgt Ion:136 Resp: 811108
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.1 5.2 7.8#
68 6.8 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 56.397 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

Tgt Ion: 82 Resp: 731993
Ion Ratio Lower Upper
82 100
128 44.4 34.3 51.5
54 54.2 43.8 65.6

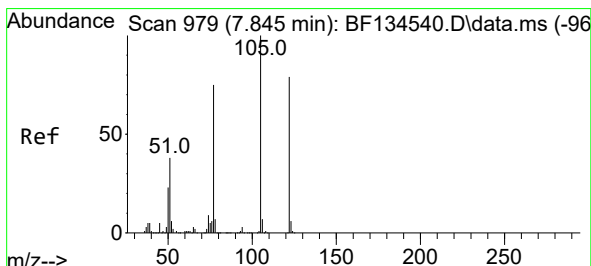
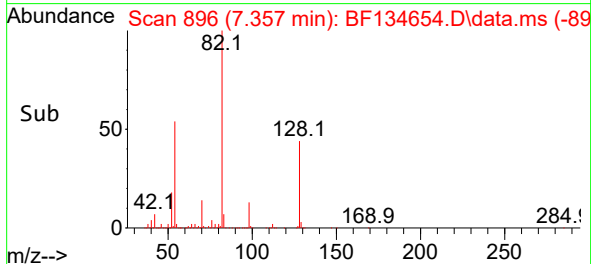
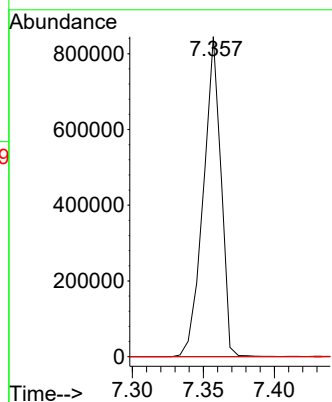
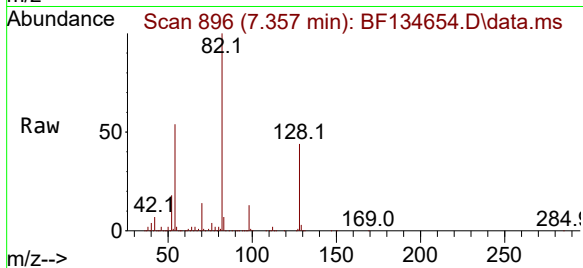




#25
Isophorone
Concen: 25.708 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

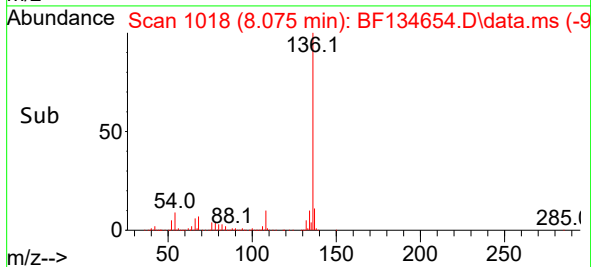
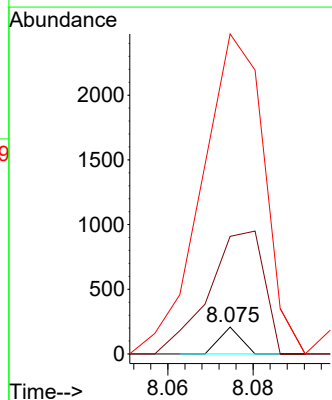
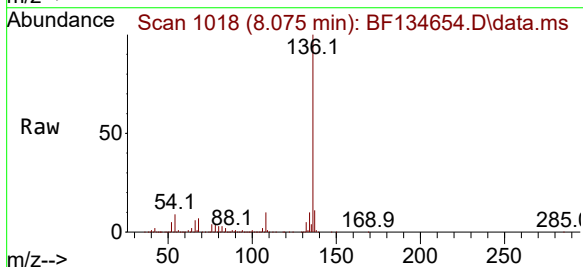
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

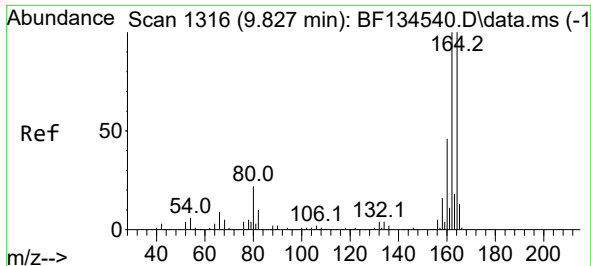
Tgt Ion: 82 Resp: 727777
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.875 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.212 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

Tgt Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 437.0 87.5 127.5#
77 1188.9 71.4 111.4#

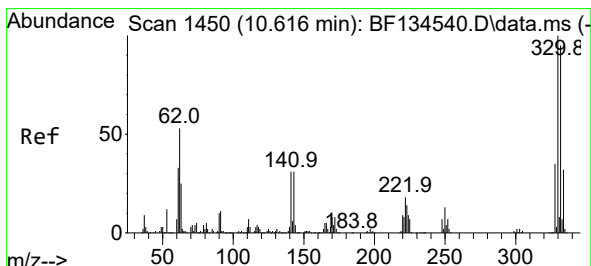
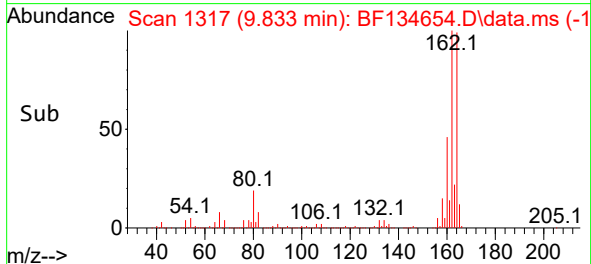
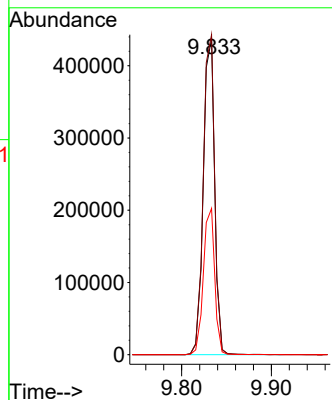
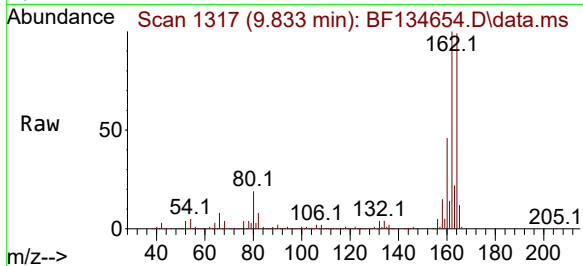




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

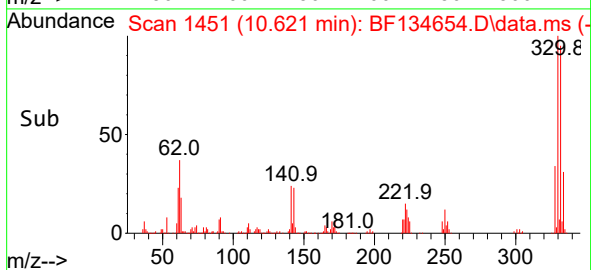
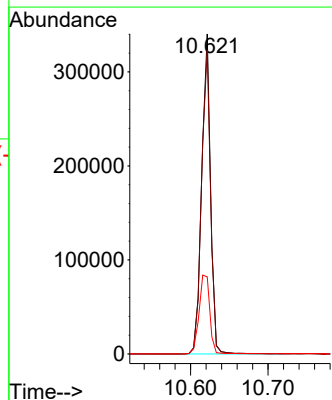
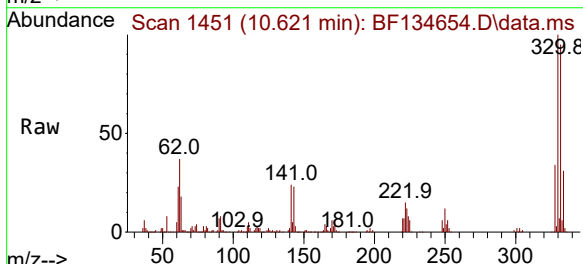
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

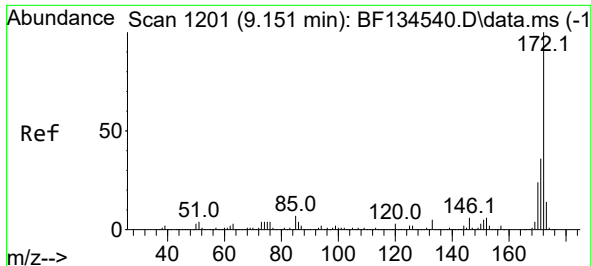
Tgt Ion:164 Resp: 382516
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 46.3 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 69.376 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

Tgt Ion:330 Resp: 270524
Ion Ratio Lower Upper
330 100
332 96.9 78.8 118.2
141 29.8 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 54.176 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134654.D

Acq: 07 Aug 2023 15:10

Instrument :

BNA_F

ClientSampleId :

MCLEAN-TP4

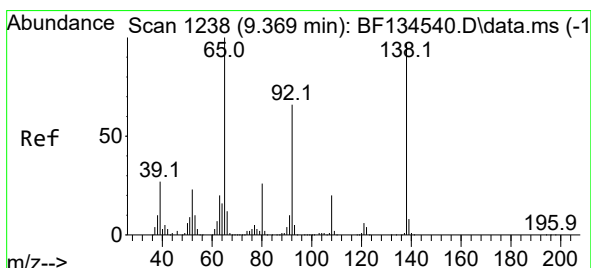
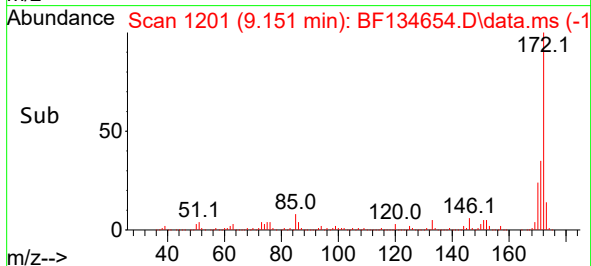
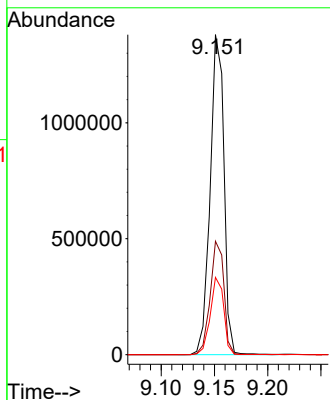
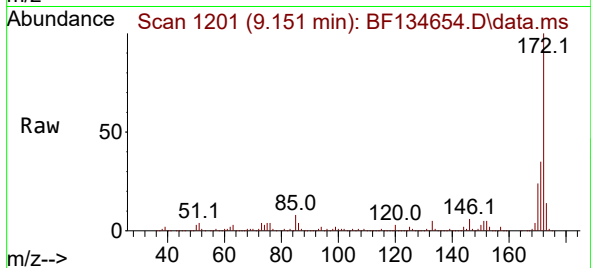
Tgt Ion:172 Resp: 1246361

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 24.2 18.7 28.1



#48

2-Nitroaniline

Concen: 3.182 ng

RT: 9.551 min Scan# 1269

Delta R.T. 0.170 min

Lab File: BF134654.D

Acq: 07 Aug 2023 15:10

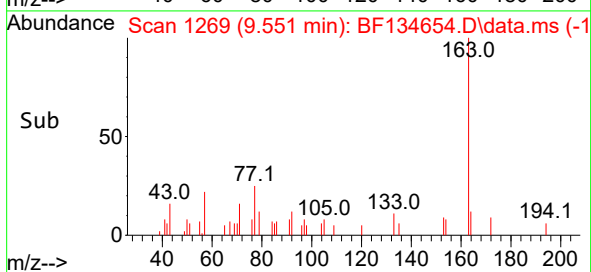
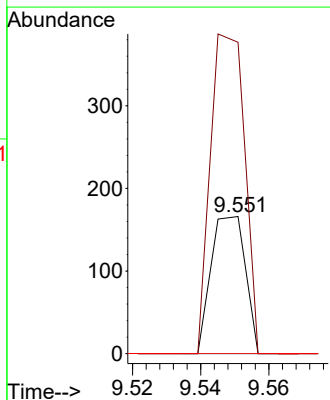
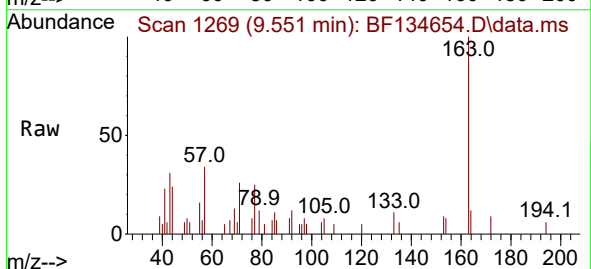
Tgt Ion: 65 Resp: 116

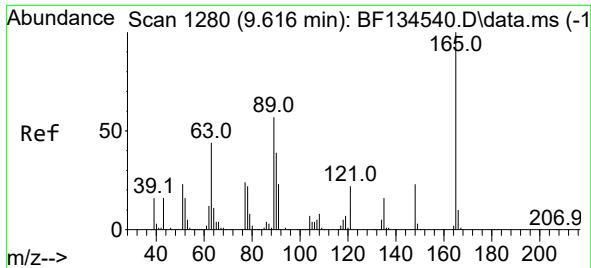
Ion Ratio Lower Upper

65 100

92 227.1 50.7 76.1#

138 0.0 78.2 117.4#

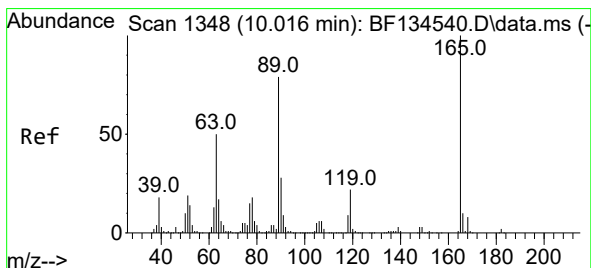
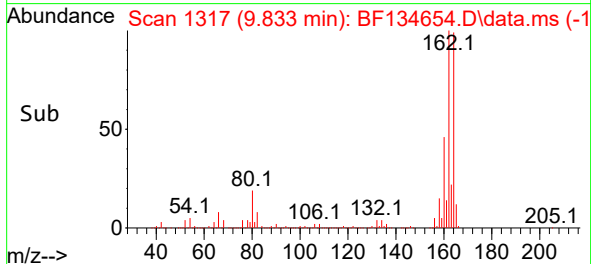
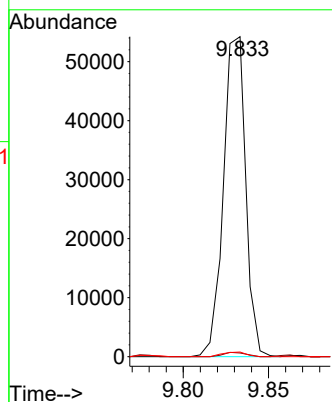
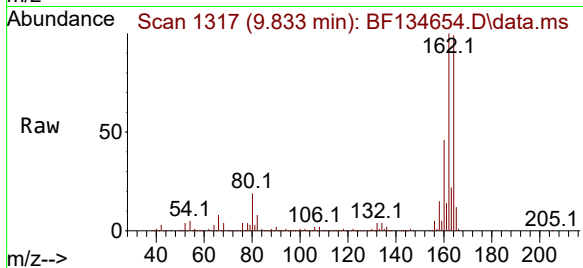




#51
2,6-Dinitrotoluene
Concen: 11.247 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

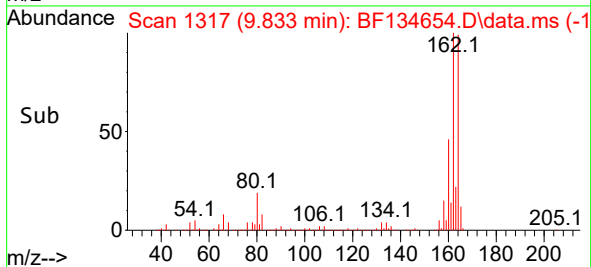
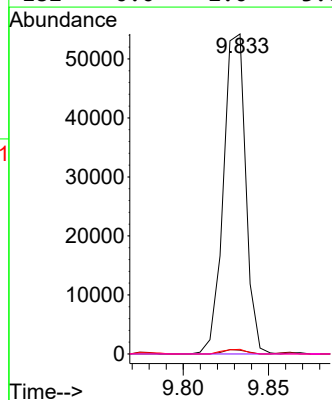
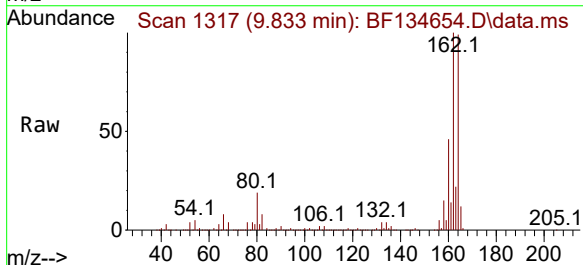
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

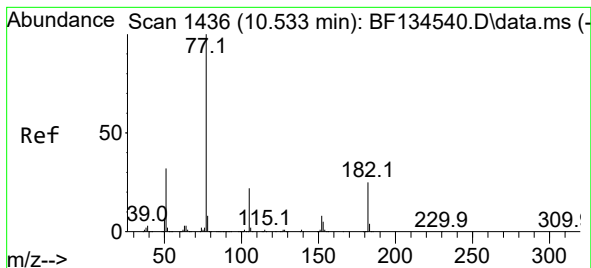
Tgt Ion:165 Resp: 49312
Ion Ratio Lower Upper
165 100
63 1.1 57.8 86.6#
89 1.4 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.040 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

Tgt Ion:165 Resp: 49312
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 1.4 61.7 92.5#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.321 ng

RT: 10.545 min Scan# 1436

Delta R.T. 0.006 min

Lab File: BF134654.D

Acq: 07 Aug 2023 15:10

Instrument :

BNA_F

ClientSampleId :

MCLEAN-TP4

Tgt Ion: 77 Resp: 61623

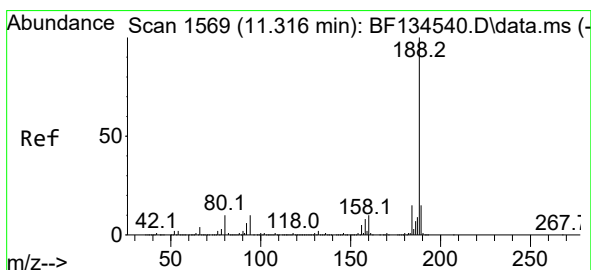
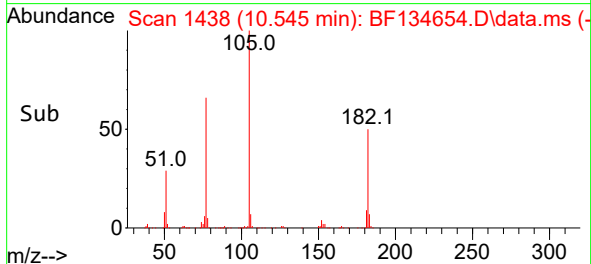
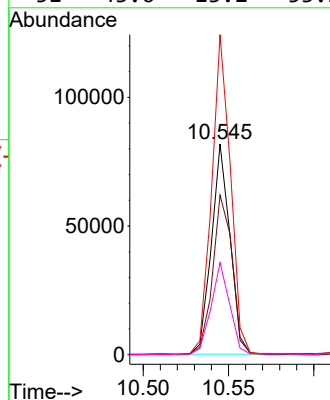
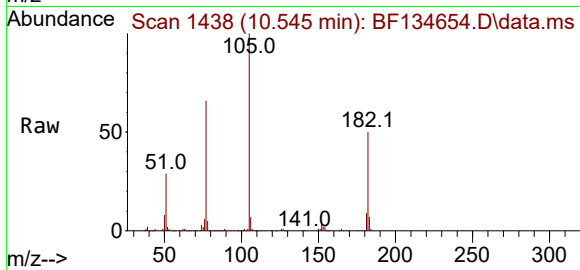
Ion Ratio Lower Upper

77 100

182 75.7 7.5 47.5#

105 151.9 1.9 41.9#

51 43.6 13.2 53.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 1570

Delta R.T. -0.000 min

Lab File: BF134654.D

Acq: 07 Aug 2023 15:10

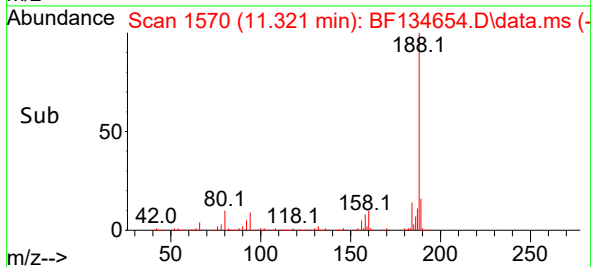
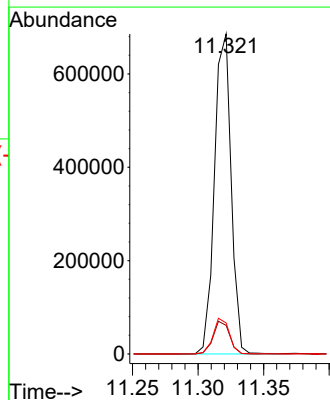
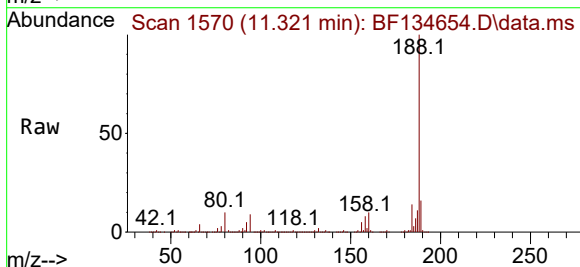
Tgt Ion: 188 Resp: 606050

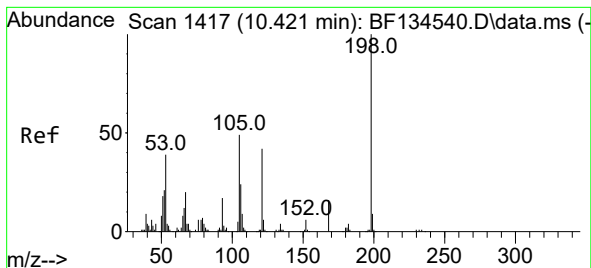
Ion Ratio Lower Upper

188 100

94 8.9 5.1 7.7#

80 9.7 6.6 9.8

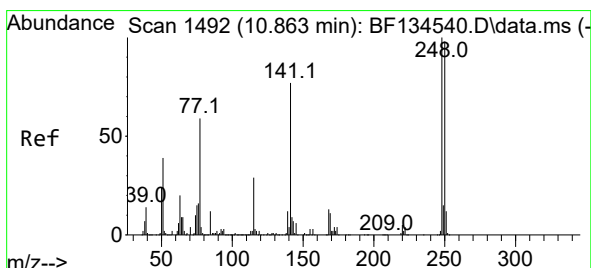
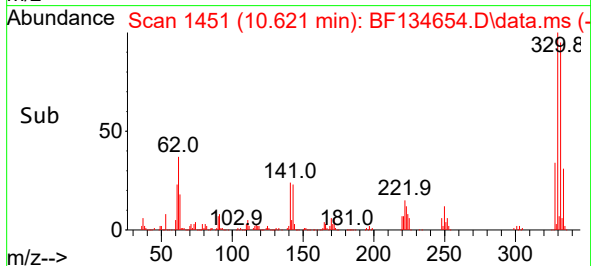
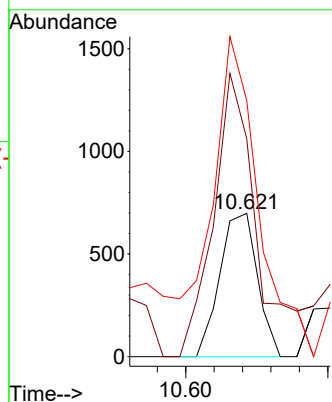
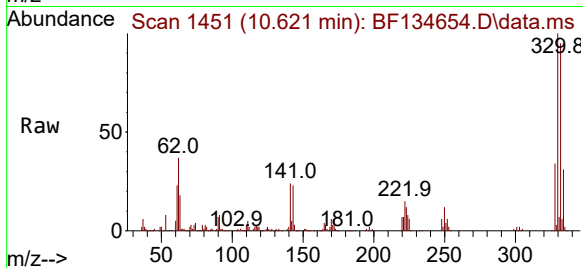




#65
4,6-Dinitro-2-methylphenol
Concen: 8.914 ng
RT: 10.621 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

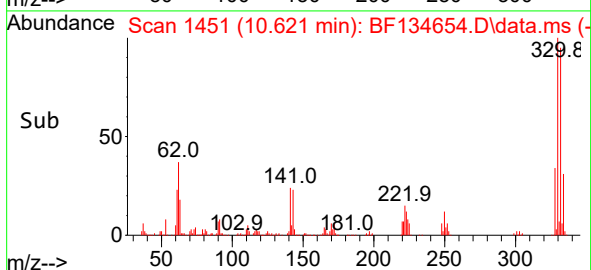
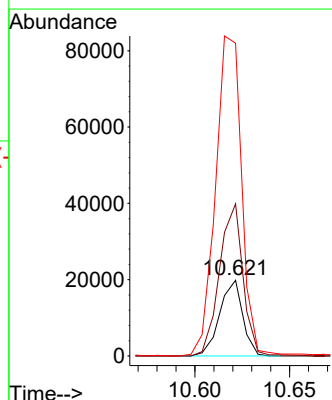
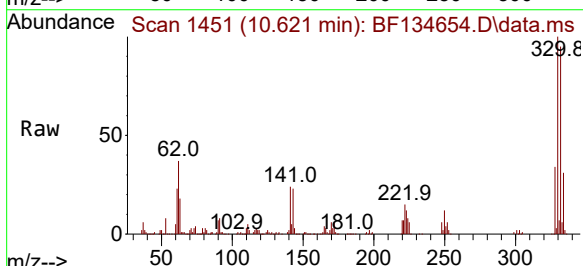
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

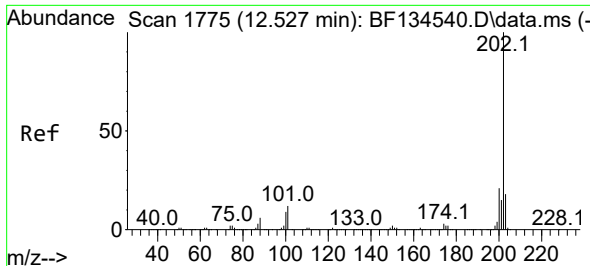
Tgt Ion:198 Resp: 643
Ion Ratio Lower Upper
198 100
51 152.1 38.6 78.6#
105 178.7 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.531 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

Tgt Ion:248 Resp: 16789
Ion Ratio Lower Upper
248 100
250 201.1 79.6 119.4#
141 413.4 59.6 89.4#

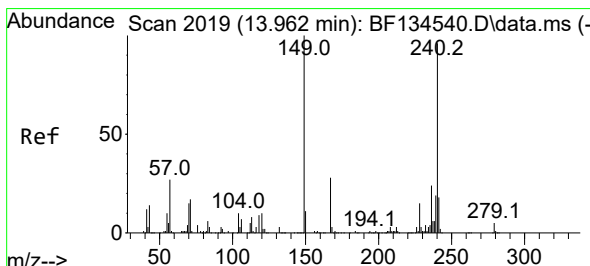
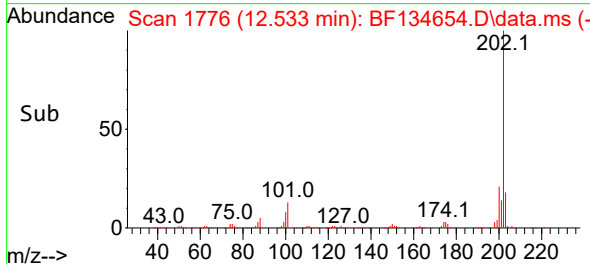
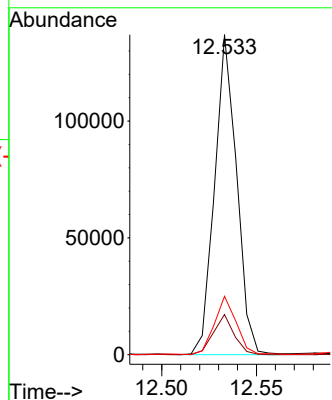
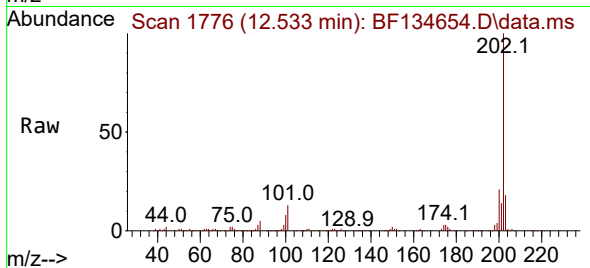




#75
Fluoranthene
Concen: 3.269 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

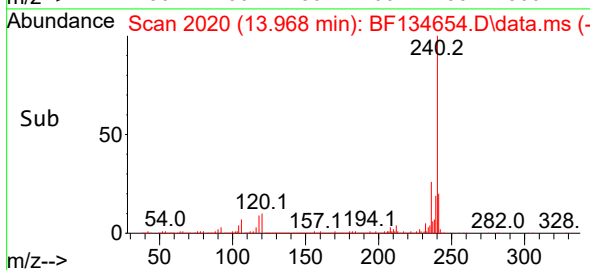
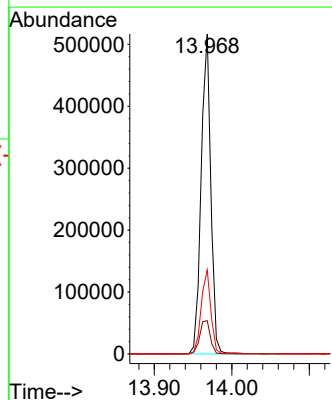
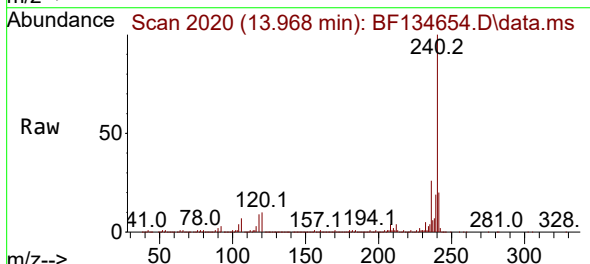
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

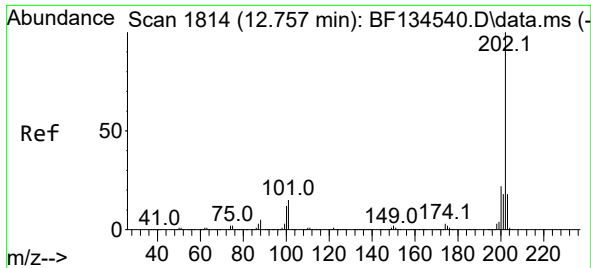
Tgt Ion:202 Resp: 111143
Ion Ratio Lower Upper
202 100
101 12.6 0.0 28.5
203 18.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

Tgt Ion:240 Resp: 446369
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 26.2 20.2 30.2

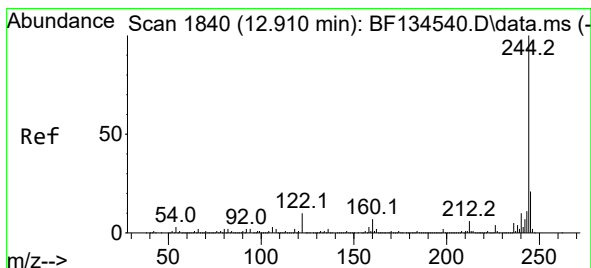
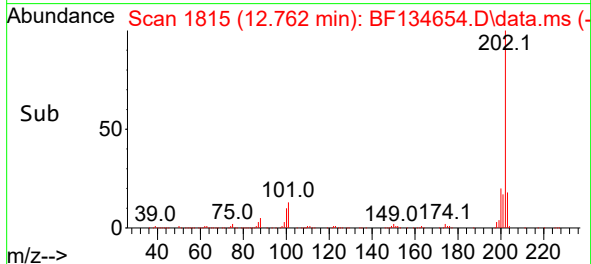
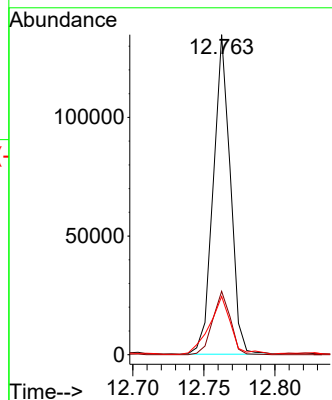
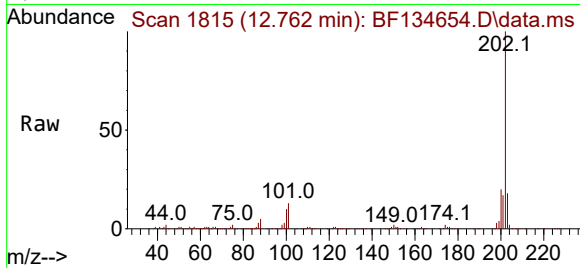




#78
Pyrene
Concen: 2.916 ng
RT: 12.762 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

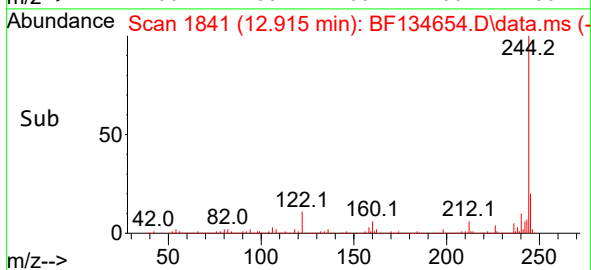
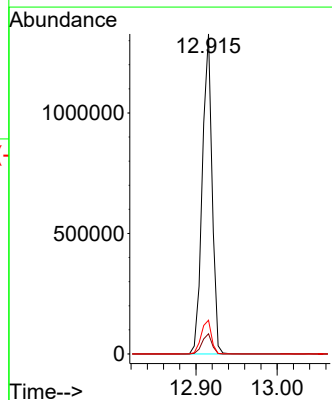
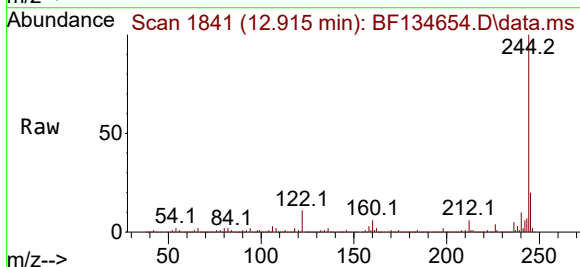
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

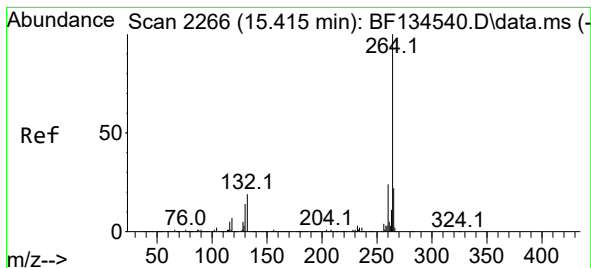
Tgt Ion:202 Resp: 112616
Ion Ratio Lower Upper
202 100
200 19.8 15.8 23.8
203 18.2 13.5 20.3



#79
Terphenyl-d14
Concen: 43.963 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134654.D
Acq: 07 Aug 2023 15:10

Tgt Ion:244 Resp: 1113162
Ion Ratio Lower Upper
244 100
212 6.3 5.6 8.4
122 10.6 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF134654.D

Acq: 07 Aug 2023 15:10

Instrument :

BNA_F

ClientSampleId :

MCLEAN-TP4

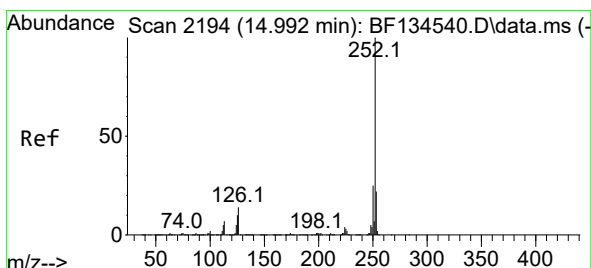
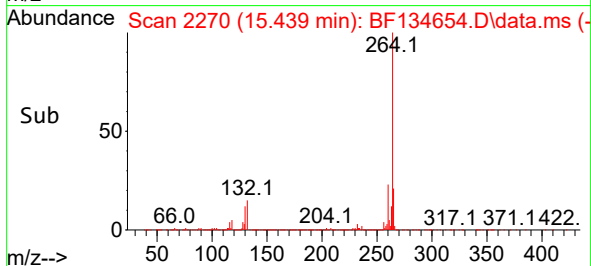
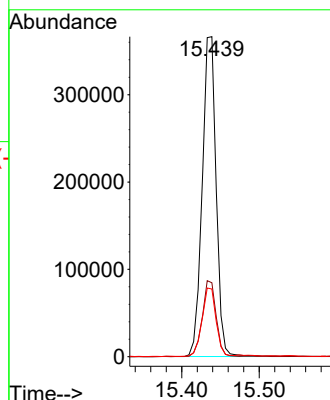
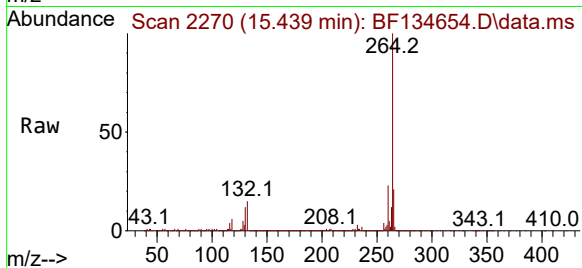
Tgt Ion:264 Resp: 457710

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 21.2 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 2.986 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134654.D

Acq: 07 Aug 2023 15:10

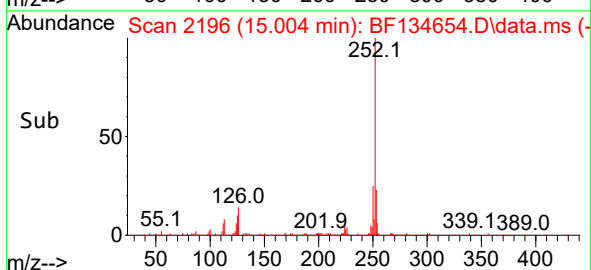
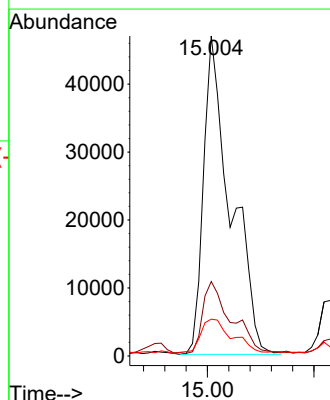
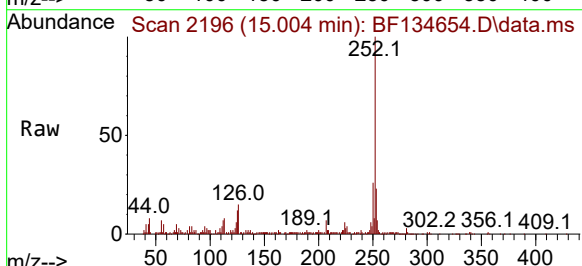
Tgt Ion:252 Resp: 83367

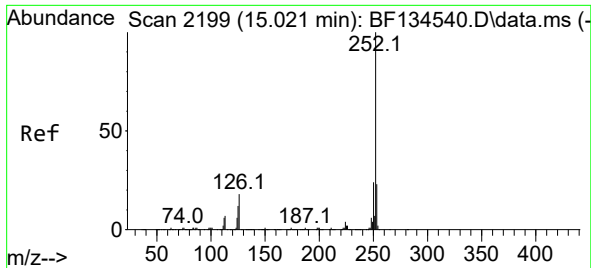
Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 11.5 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 2.998 ng

RT: 15.004 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF134654.D

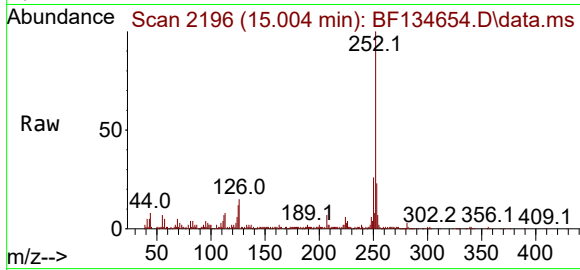
Acq: 07 Aug 2023 15:10

Instrument :

BNA_F

ClientSampleId :

MCLEAN-TP4



Tgt Ion:252 Resp: 83367

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 11.5 6.3 9.5#

