

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
 Data File : BF134637.D
 Acq On : 04 Aug 2023 17:31
 Operator : CG\JU
 Sample : 03887-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MCLEAN-TP4

Quant Time: Aug 05 00:08:05 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)

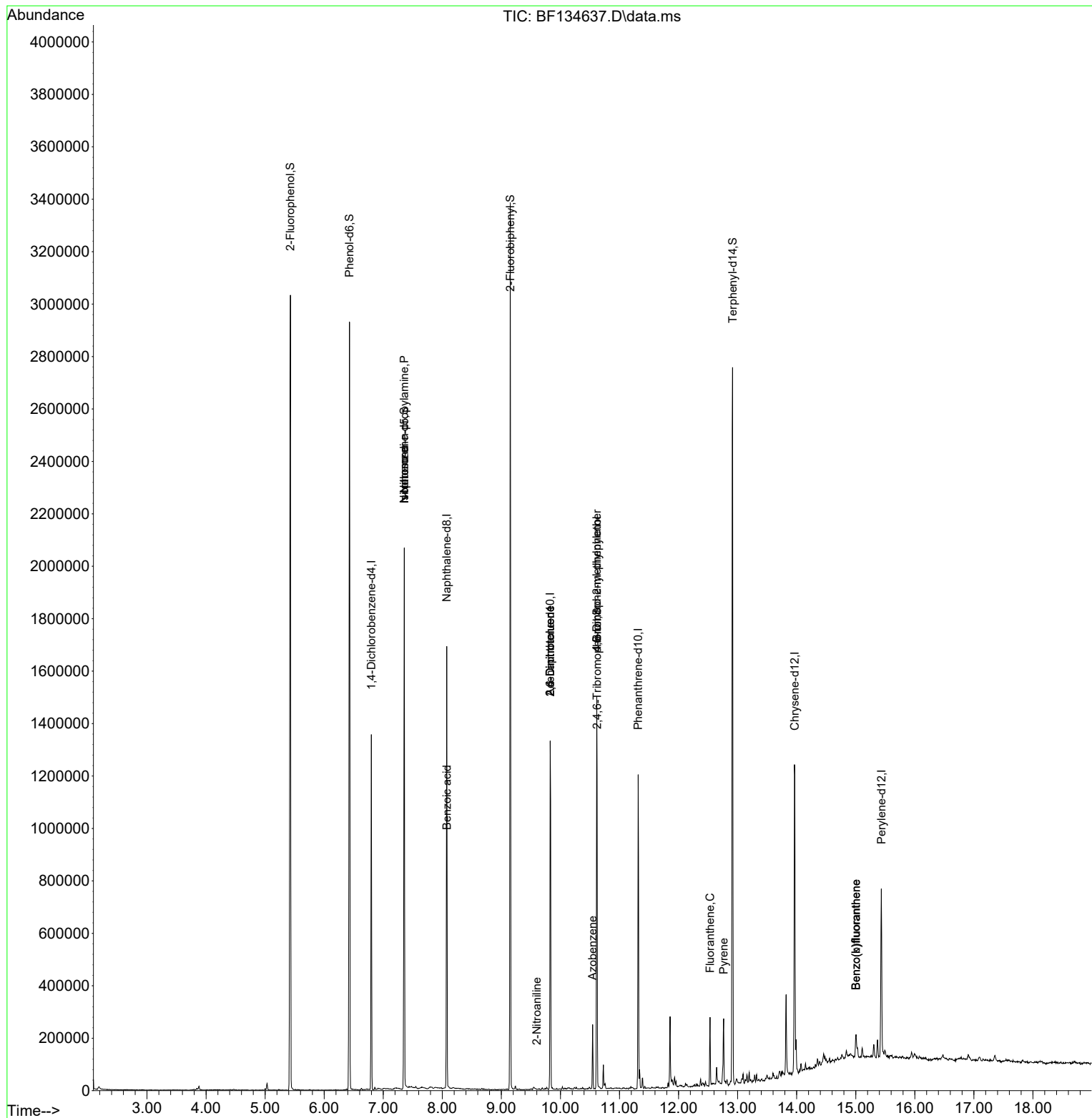
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	175375	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	632561	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	250539	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	405256	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	400472	20.000	ng	0.00
86) Perylene-d12	15.433	264	289345	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	810470	70.249	ng	0.00
7) Phenol-d6	6.428	99	999840	67.795	ng	-0.01
23) Nitrobenzene-d5	7.357	82	566532	55.969	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	177073	69.331	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	939978	62.381	ng	-0.01
79) Terphenyl-d14	12.916	244	976024	42.964	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.345	77	243	Below Cal	#	31
19) n-Nitroso-di-n-propyla...	7.357	70	76495	8.663	ng	# 72
25) Isophorone	7.357	82	563796	25.537	ng	# 65
32) Benzoic acid	8.081	122	129	7.884	ng	# 1
48) 2-Nitroaniline	9.598	65	59	3.178	ng	# 8
51) 2,6-Dinitrotoluene	9.828	165	32698	11.355	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	32698	10.129	ng	# 18
63) Azobenzene	10.545	77	36334	2.089	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.616	198	422	8.910	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	11900	2.682	ng	# 1
75) Fluoranthene	12.533	202	94001	4.134	ng	96
78) Pyrene	12.763	202	98758	2.850	ng	100
88) Benzo(b)fluoranthene	15.004	252	59658	3.381	ng	# 95
89) Benzo(k)fluoranthene	15.004	252	59658	3.394	ng	# 97

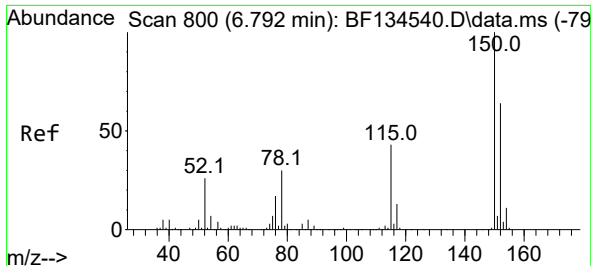
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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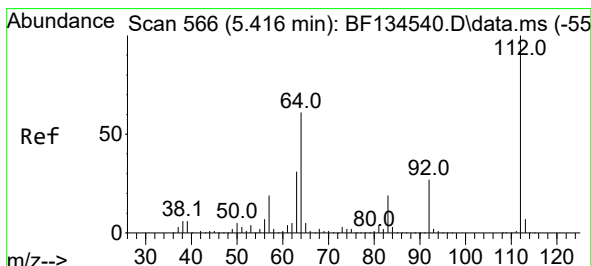
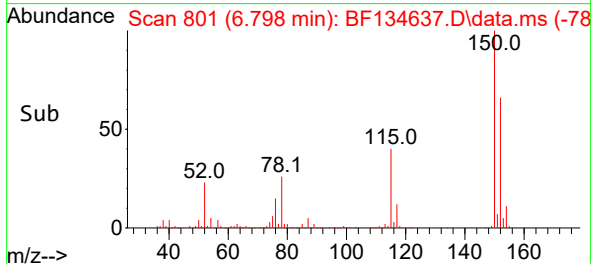
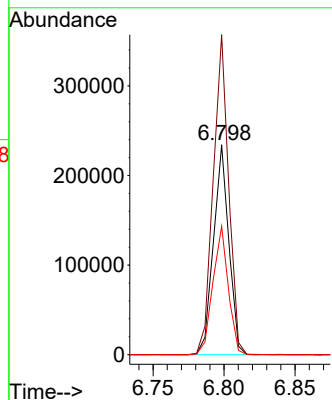
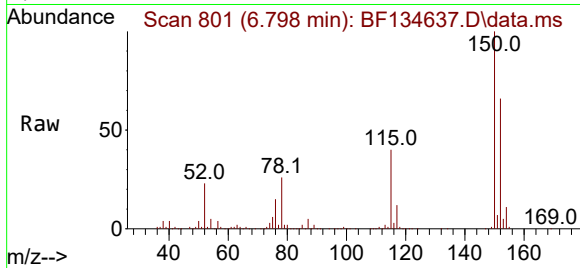




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

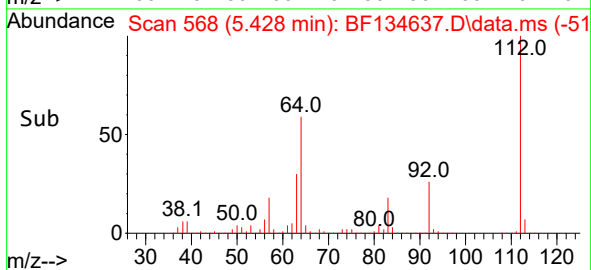
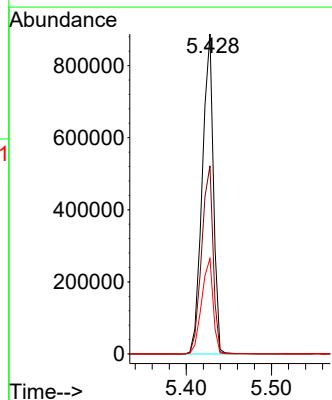
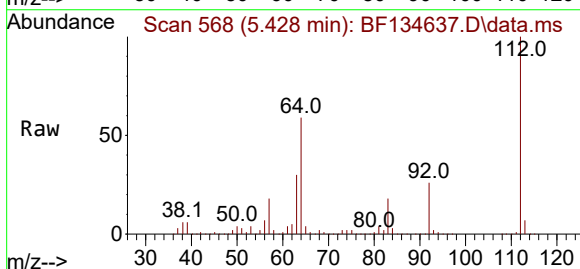
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

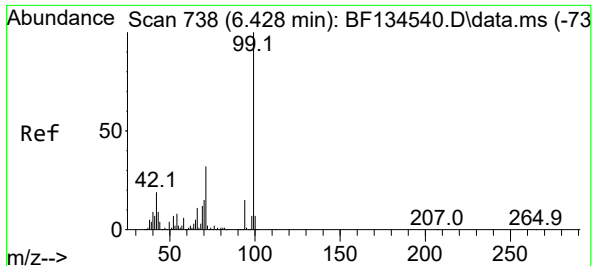
Tgt Ion:152 Resp: 175375
Ion Ratio Lower Upper
152 100
150 152.5 128.3 192.5
115 61.2 52.4 78.6



#5
2-Fluorophenol
Concen: 70.249 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

Tgt Ion:112 Resp: 810470
Ion Ratio Lower Upper
112 100
64 58.8 44.9 67.3
63 29.8 25.4 38.0

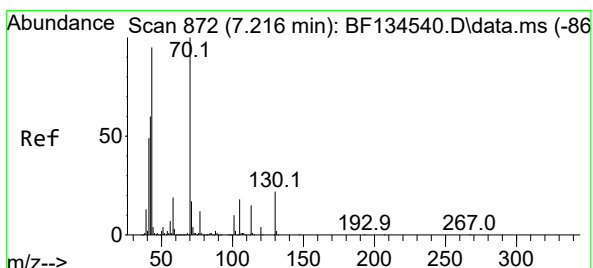
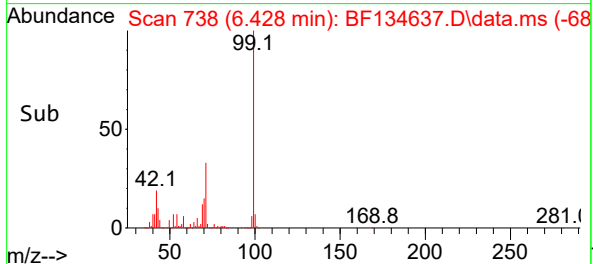
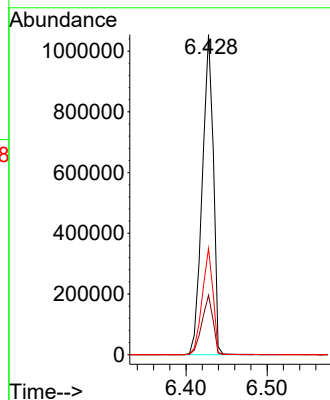
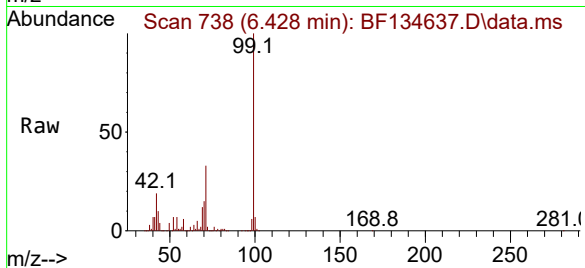




#7
Phenol-d6
Concen: 67.795 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

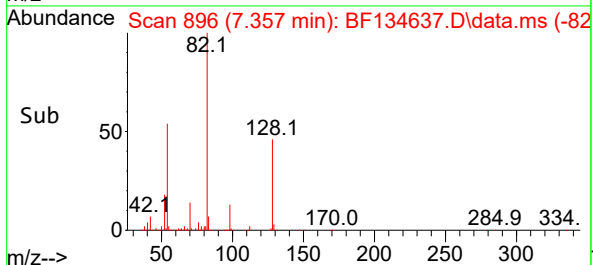
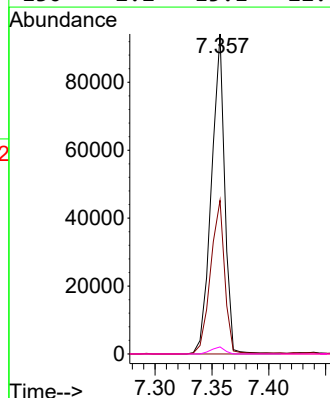
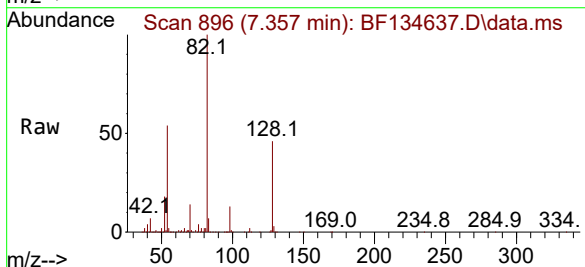
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

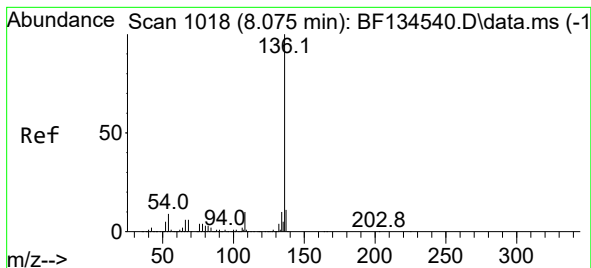
Tgt Ion: 99 Resp: 999840
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 33.2 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 8.663 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

Tgt Ion: 70 Resp: 76495
Ion Ratio Lower Upper
70 100
42 48.0 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: BF134637.D

Acq: 04 Aug 2023 17:31

Instrument :

BNA_F

ClientSampleId :

MCLEAN-TP4

Tgt Ion:136 Resp: 632561

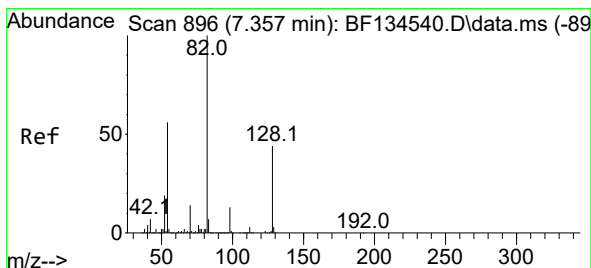
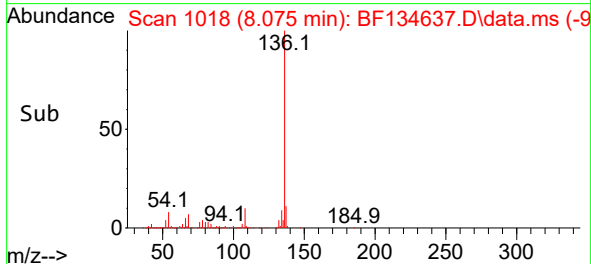
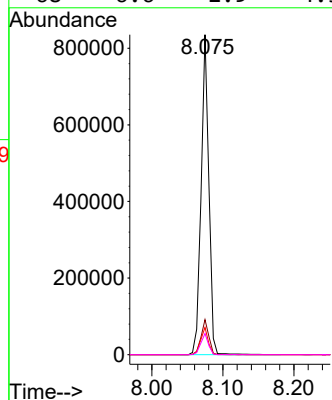
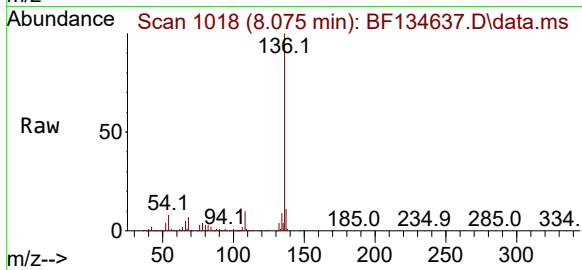
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.5 5.2 7.8#

68 6.6 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 55.969 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134637.D

Acq: 04 Aug 2023 17:31

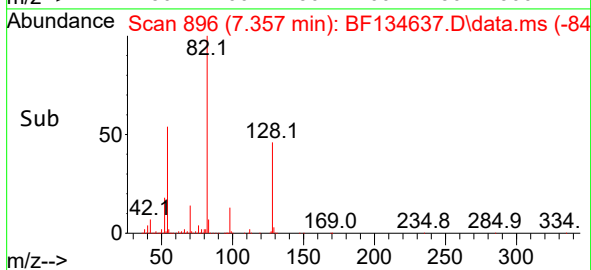
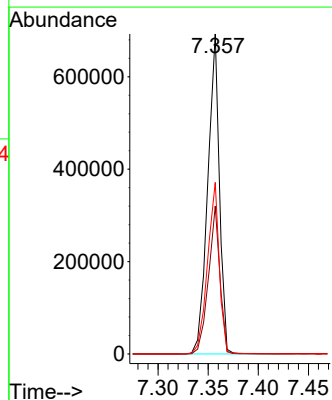
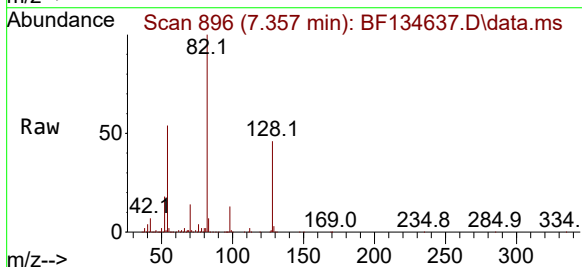
Tgt Ion: 82 Resp: 566532

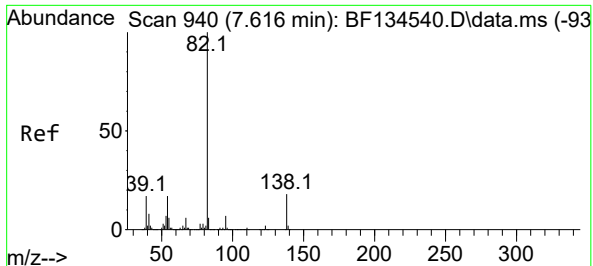
Ion Ratio Lower Upper

82 100

128 46.2 34.3 51.5

54 53.6 43.8 65.6

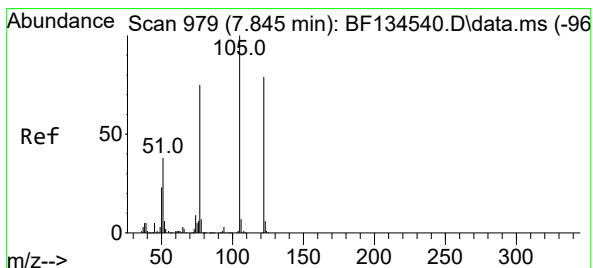
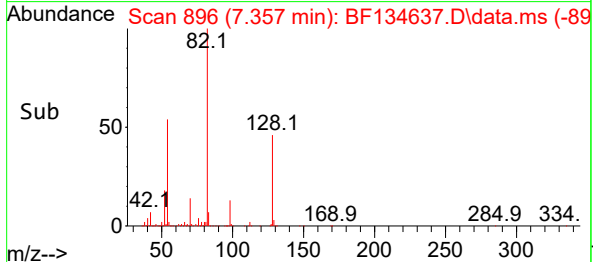
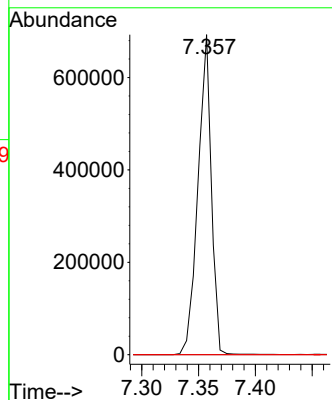
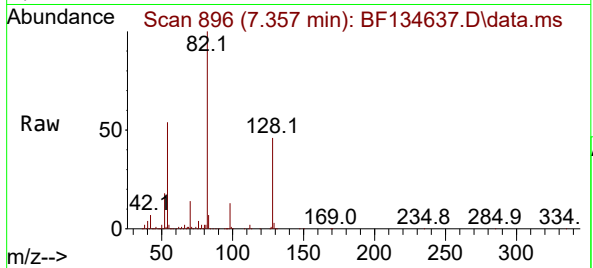




#25
Isophorone
Concen: 25.537 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

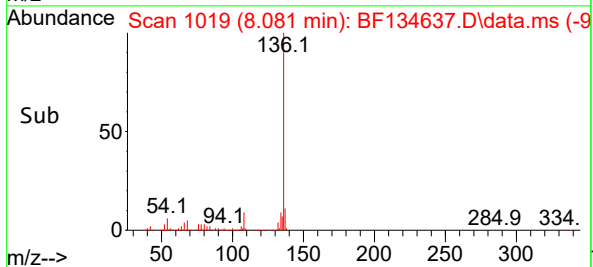
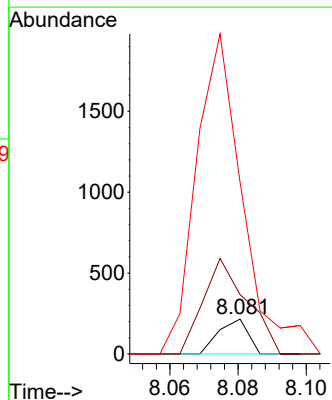
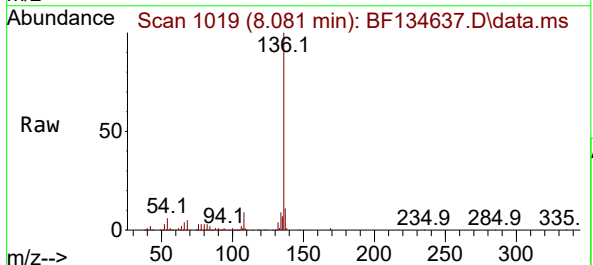
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

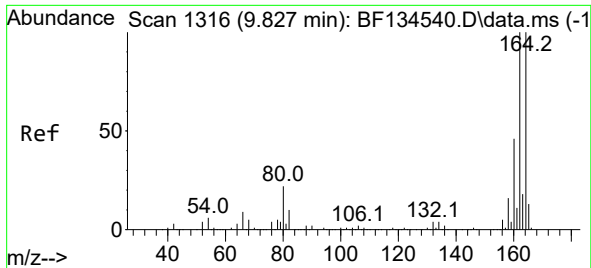
Tgt Ion: 82 Resp: 563796
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.884 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.218 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

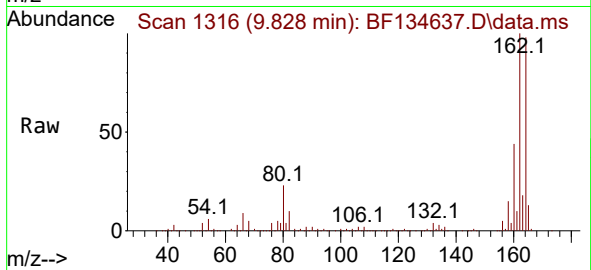
Tgt Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
105 169.9 87.5 127.5#
77 491.7 71.4 111.4#



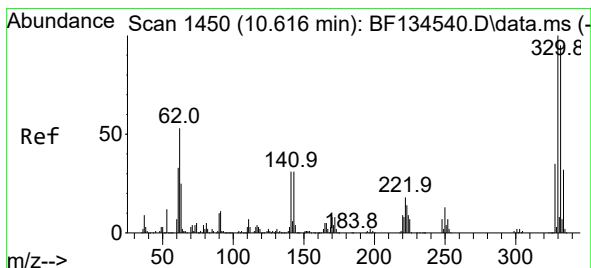
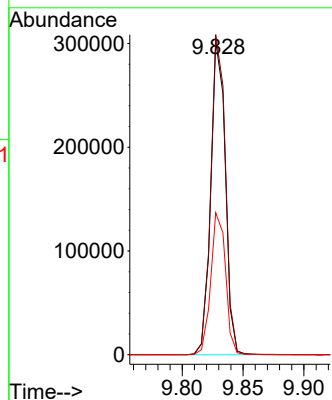
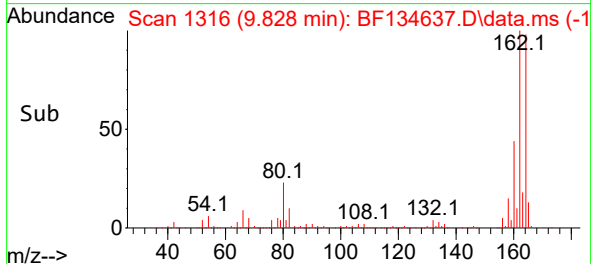


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

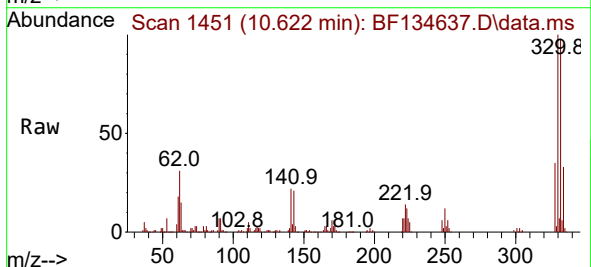
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4



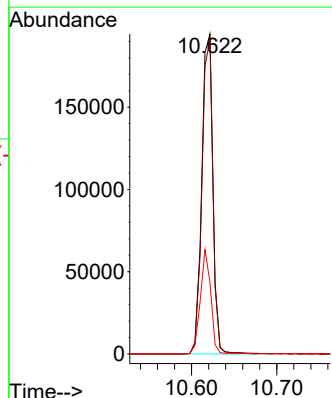
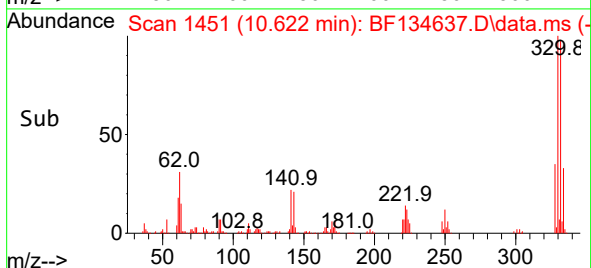
Tgt Ion:164 Resp: 250539
Ion Ratio Lower Upper
164 100
162 102.1 82.6 123.8
160 45.3 37.2 55.8

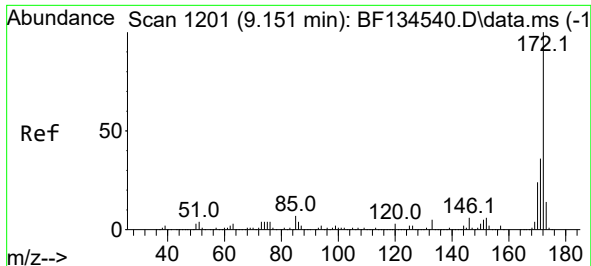


#42
2,4,6-Tribromophenol
Concen: 69.331 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31



Tgt Ion:330 Resp: 177073
Ion Ratio Lower Upper
330 100
332 96.0 78.8 118.2
141 30.4 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 62.381 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134637.D

Acq: 04 Aug 2023 17:31

Instrument :

BNA_F

ClientSampleId :

MCLEAN-TP4

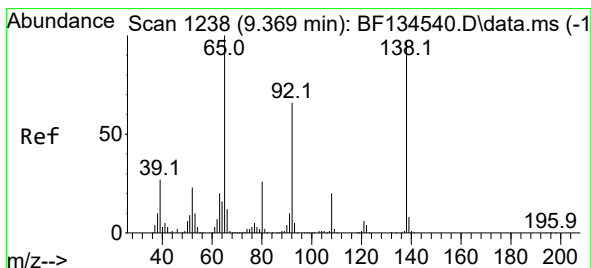
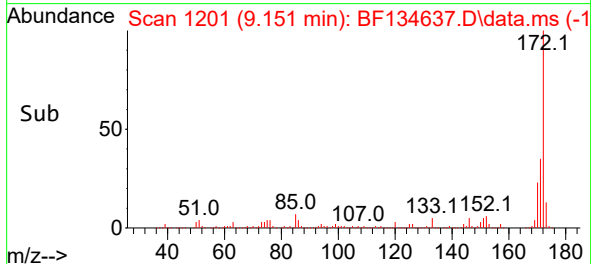
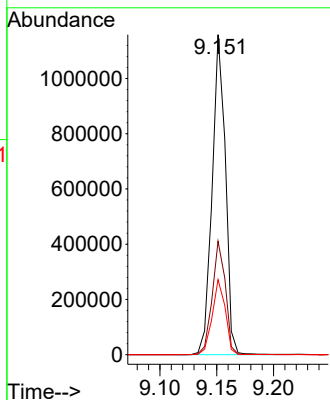
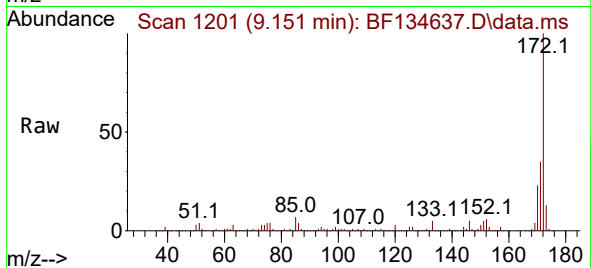
Tgt Ion:172 Resp: 939978

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.5 18.7 28.1



#48

2-Nitroaniline

Concen: 3.178 ng

RT: 9.598 min Scan# 1277

Delta R.T. 0.218 min

Lab File: BF134637.D

Acq: 04 Aug 2023 17:31

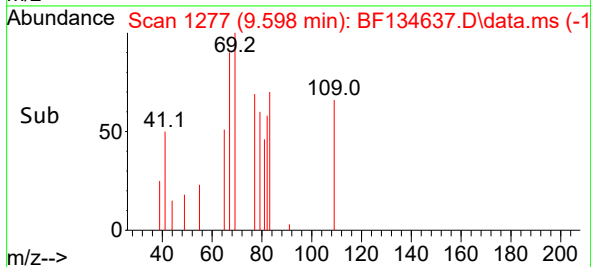
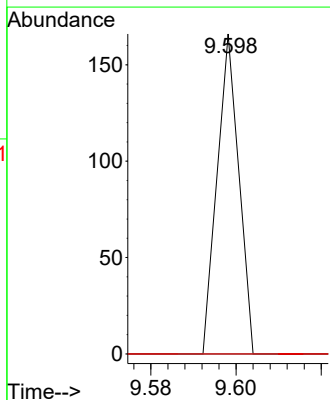
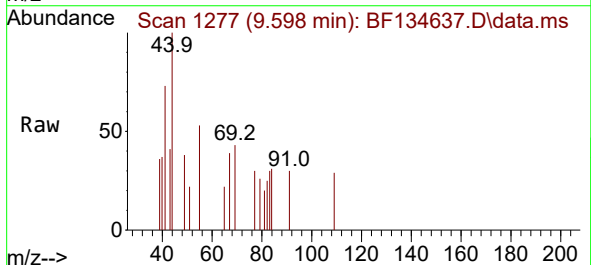
Tgt Ion: 65 Resp: 59

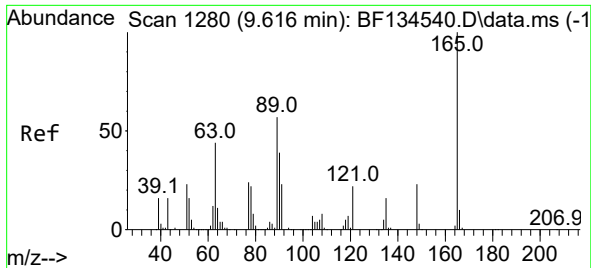
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

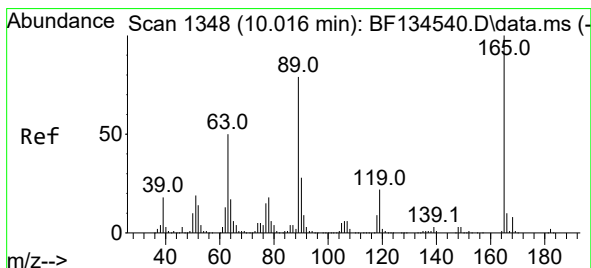
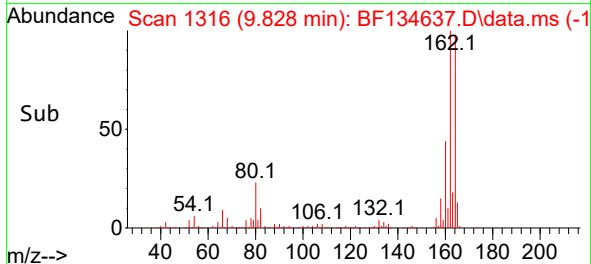
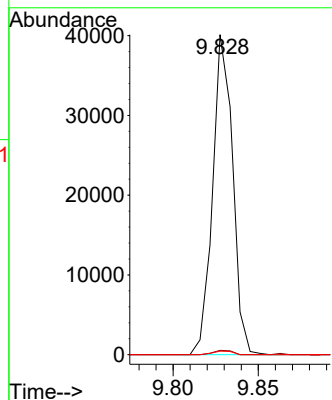
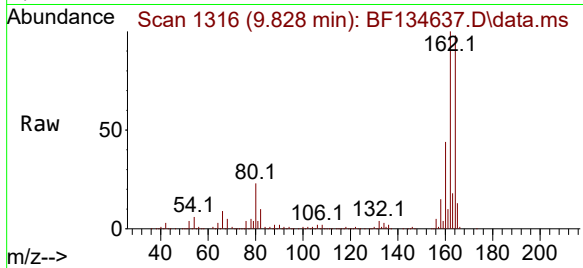




#51
2,6-Dinitrotoluene
Concen: 11.355 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

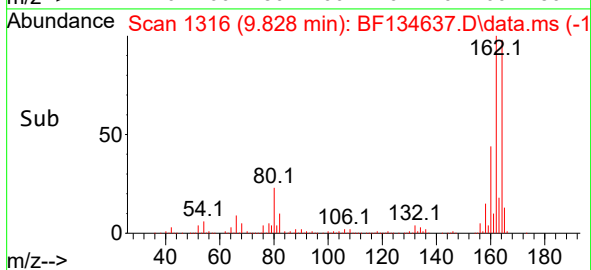
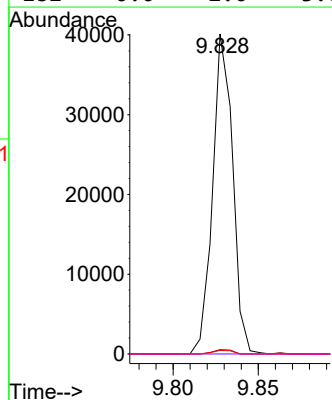
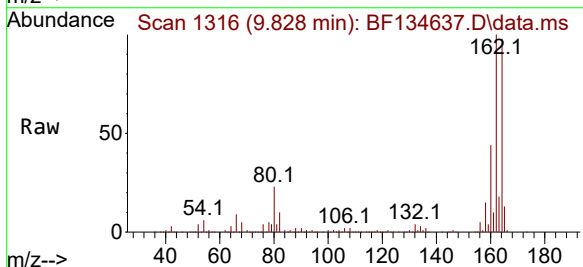
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

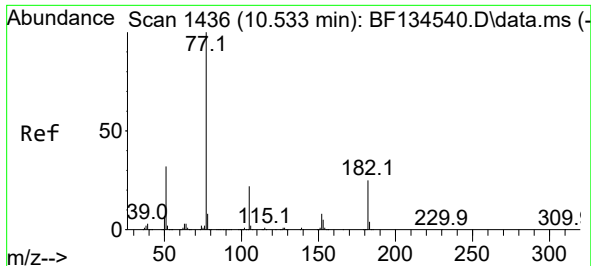
Tgt Ion:165 Resp: 32698
Ion Ratio Lower Upper
165 100
63 1.3 57.8 86.6#
89 1.1 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.129 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

Tgt Ion:165 Resp: 32698
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.1 61.7 92.5#
182 0.0 2.0 3.0#

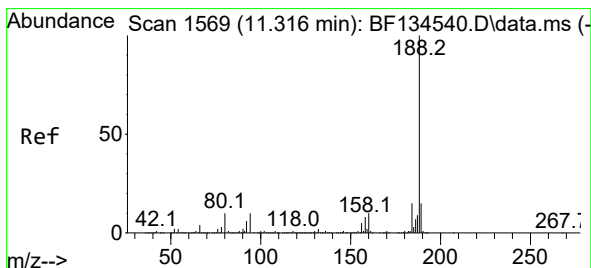
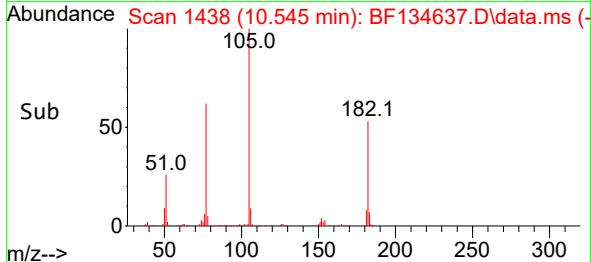
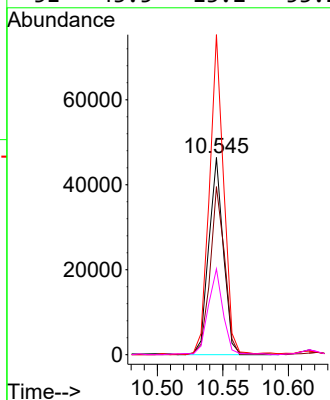
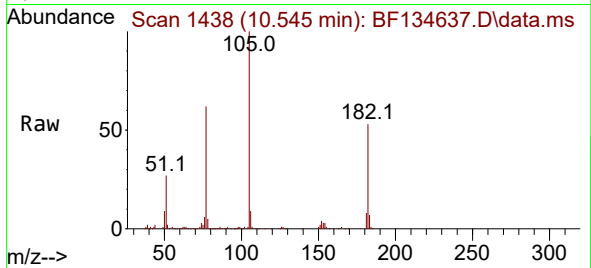




#63
Azobenzene
Concen: 2.089 ng
RT: 10.545 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

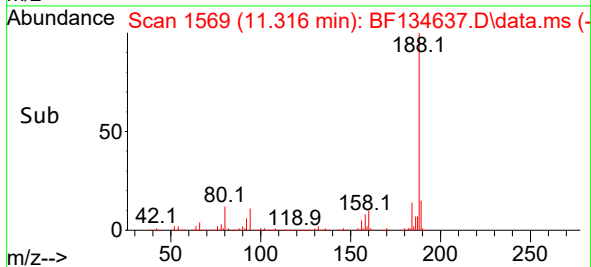
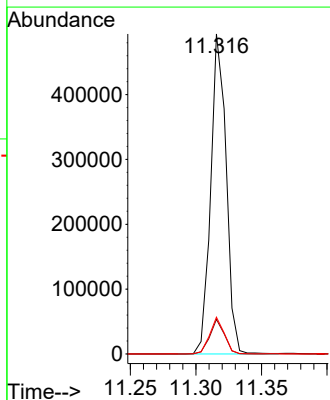
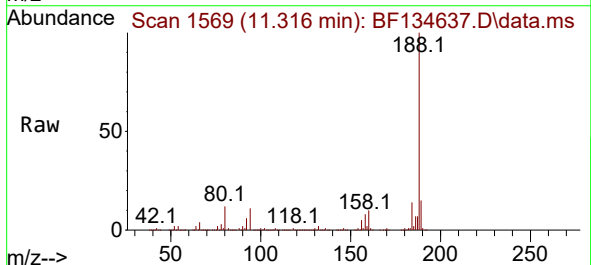
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

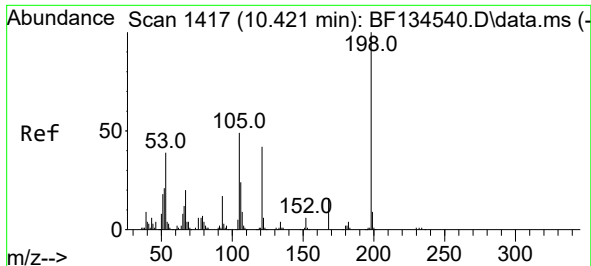
Tgt Ion: 77	Resp: 36334
Ion Ratio	Lower Upper
77 100	
182 85.2	7.5 47.5#
105 162.3	1.9 41.9#
51 43.5	13.2 53.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

Tgt Ion: 188	Resp: 405256
Ion Ratio	Lower Upper
188 100	
94 10.8	5.1 7.7#
80 11.5	6.6 9.8#

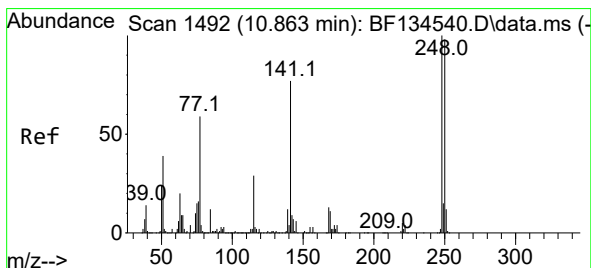
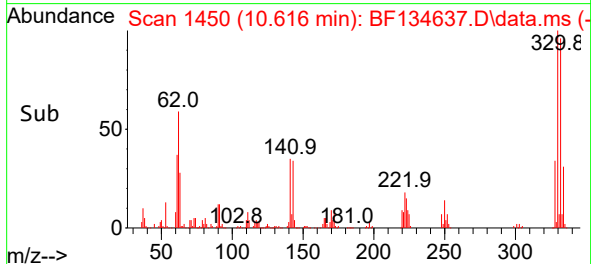
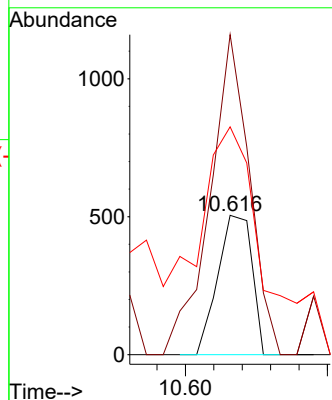
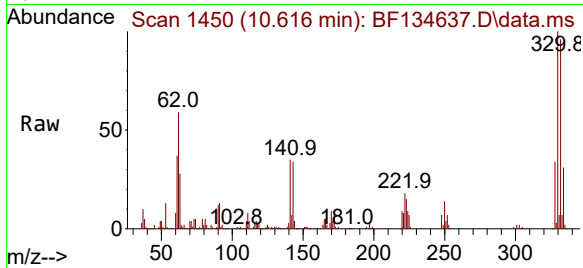




#65
4,6-Dinitro-2-methylphenol
Concen: 8.910 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.176 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

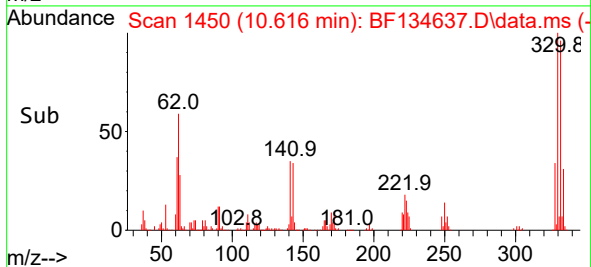
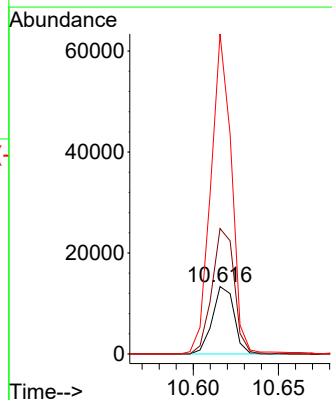
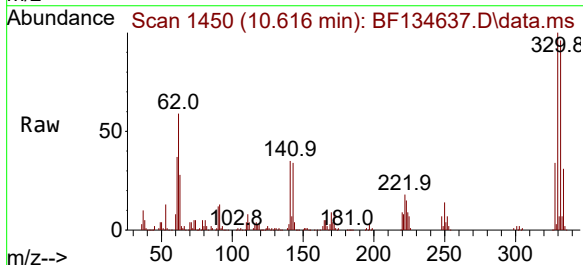
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

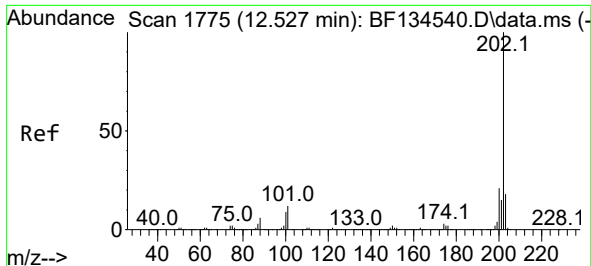
Tgt Ion:198 Resp: 422
Ion Ratio Lower Upper
198 100
51 229.7 38.6 78.6#
105 163.6 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.682 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

Tgt Ion:248 Resp: 11900
Ion Ratio Lower Upper
248 100
250 186.1 79.6 119.4#
141 474.8 59.6 89.4#

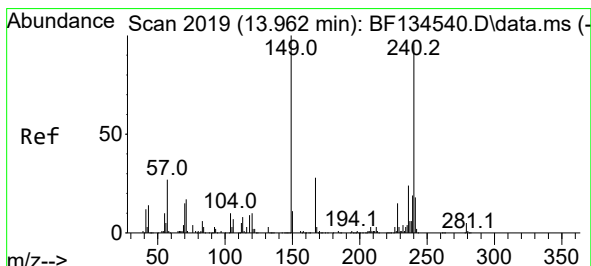
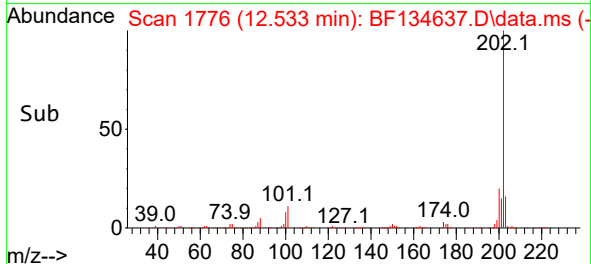
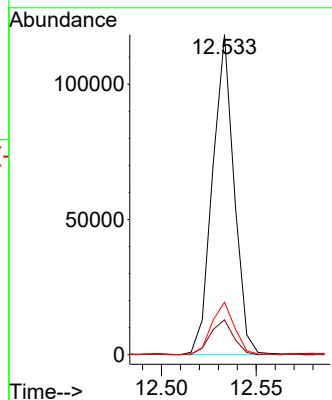
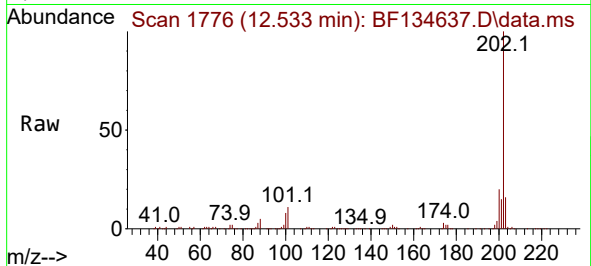




#75
Fluoranthene
Concen: 4.134 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

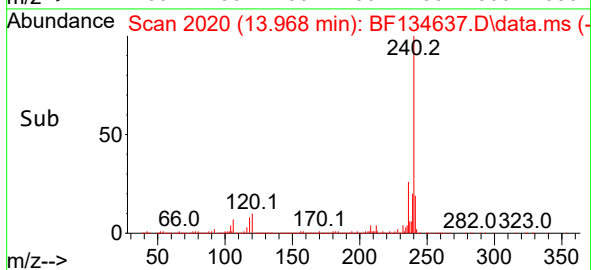
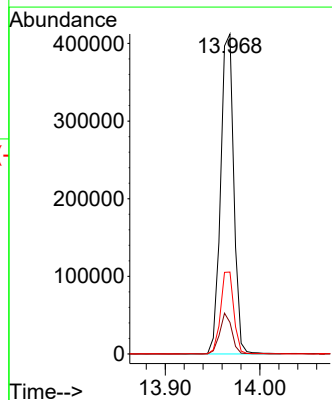
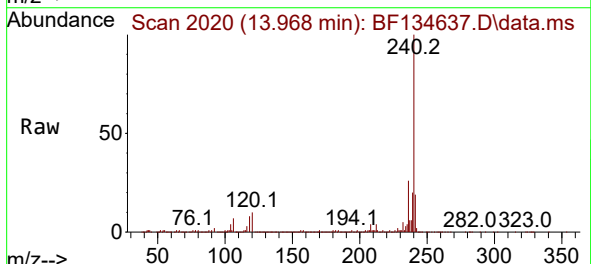
Instrument :
BNA_F
ClientSampleId :
MCLEAN-TP4

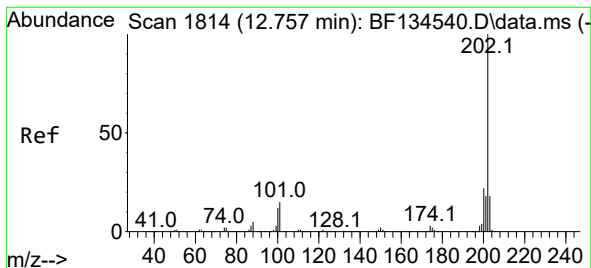
Tgt Ion:202 Resp: 94001
Ion Ratio Lower Upper
202 100
101 10.9 0.0 28.5
203 16.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134637.D
Acq: 04 Aug 2023 17:31

Tgt Ion:240 Resp: 400472
Ion Ratio Lower Upper
240 100
120 9.8 6.6 10.0
236 25.6 20.2 30.2





#78

Pyrene

Concen: 2.850 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134637.D

Acq: 04 Aug 2023 17:31

Instrument :

BNA_F

ClientSampleId :

MCLEAN-TP4

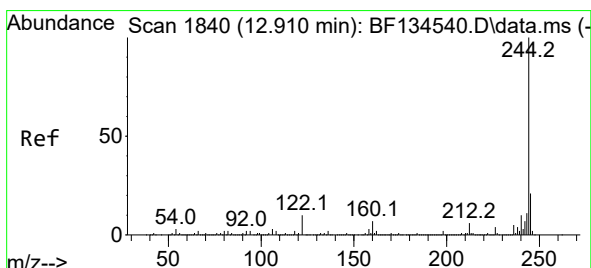
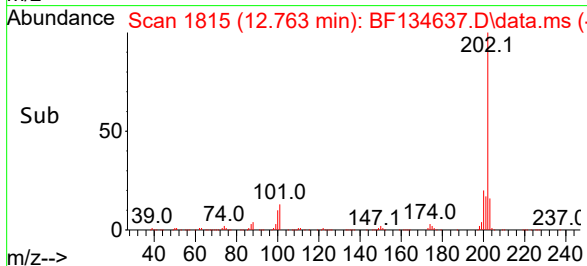
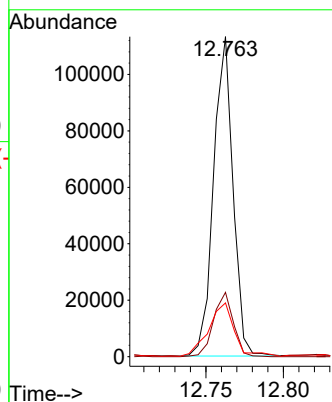
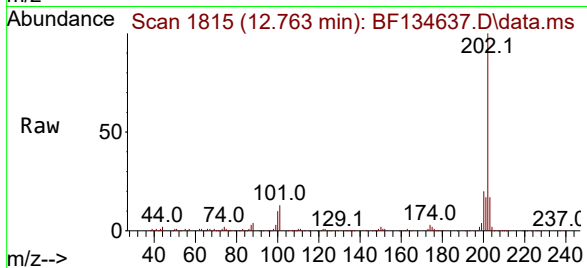
Tgt Ion:202 Resp: 98758

Ion Ratio Lower Upper

202 100

200 20.1 15.8 23.8

203 16.8 13.5 20.3



#79

Terphenyl-d14

Concen: 42.964 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134637.D

Acq: 04 Aug 2023 17:31

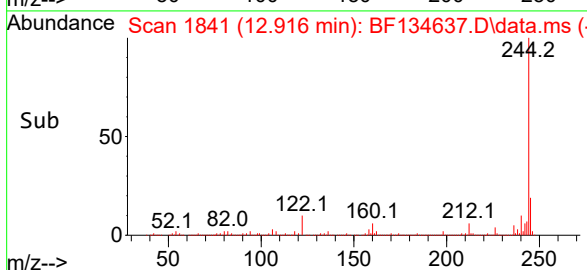
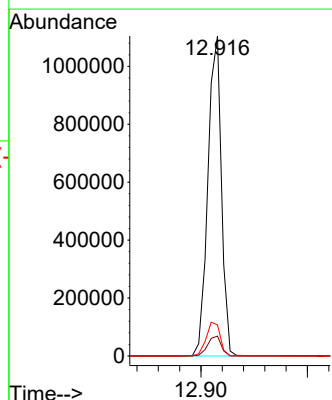
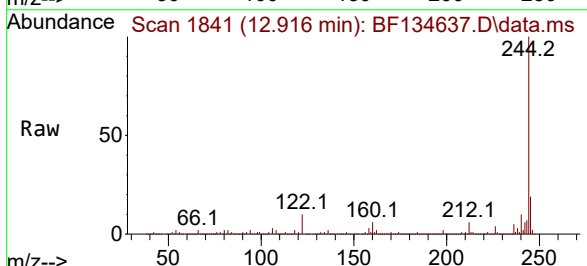
Tgt Ion:244 Resp: 976024

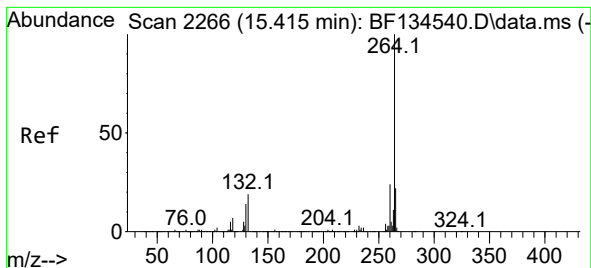
Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 9.7 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134637.D

Acq: 04 Aug 2023 17:31

Instrument :

BNA_F

ClientSampleId :

MCLEAN-TP4

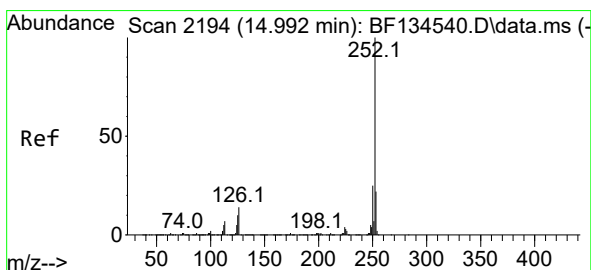
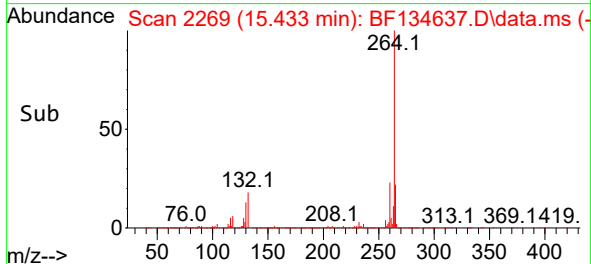
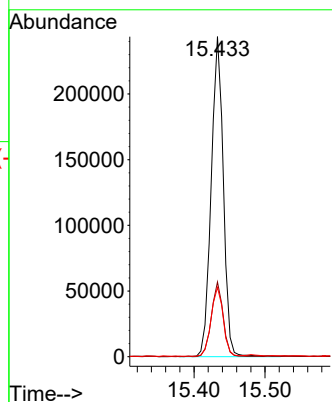
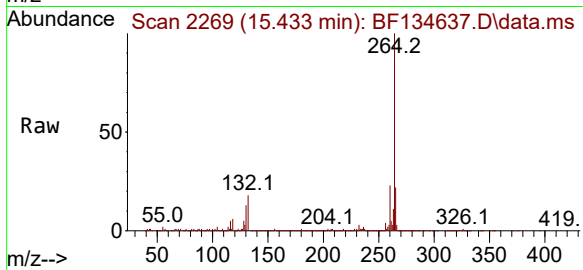
Tgt Ion:264 Resp: 289345

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 21.7 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 3.381 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134637.D

Acq: 04 Aug 2023 17:31

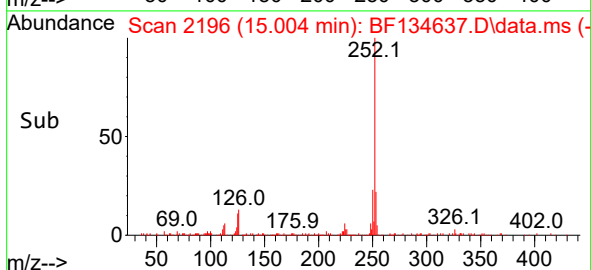
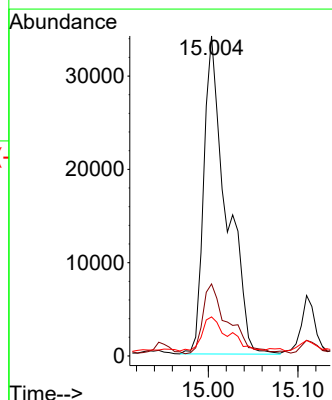
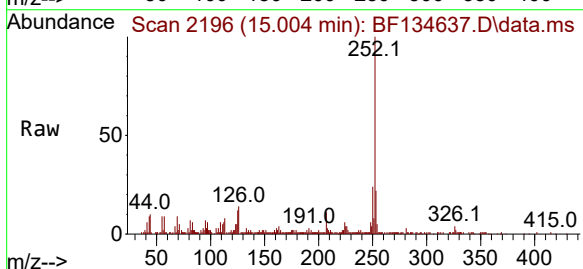
Tgt Ion:252 Resp: 59658

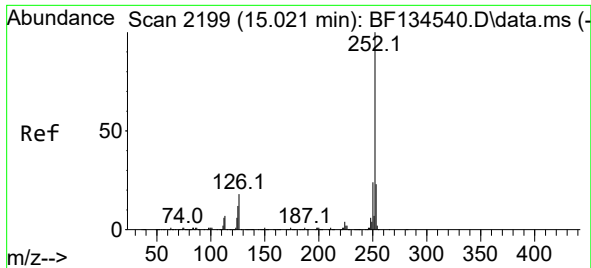
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 12.2 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 3.394 ng

RT: 15.004 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF134637.D

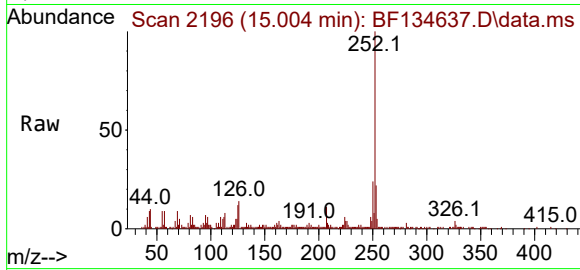
Acq: 04 Aug 2023 17:31

Instrument :

BNA_F

ClientSampleId :

MCLEAN-TP4



Tgt Ion:252 Resp: 59658

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 12.2 6.3 9.5#

