

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134854.D
 Acq On : 18 Aug 2023 22:29
 Operator : CG\JU
 Sample : 04070-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Aug 19 01:48:46 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)

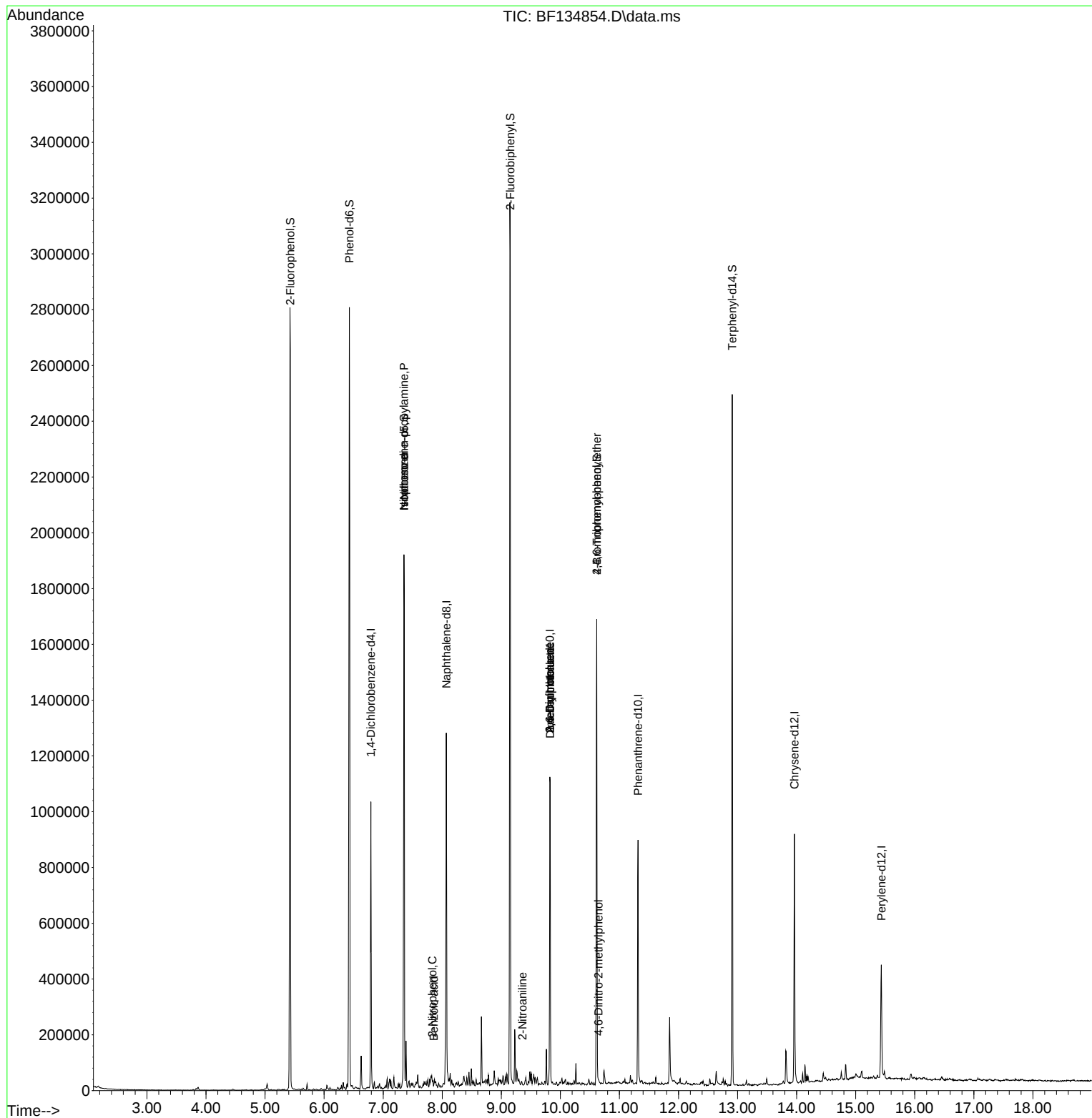
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	133365	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	516024	20.000	ng	#-0.01
39) Acenaphthene-d10	9.822	164	231152	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	319857	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	273877	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	189653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	839697	95.709	ng	0.00
7) Phenol-d6	6.428	99	1072502	95.630	ng	-0.01
23) Nitrobenzene-d5	7.351	82	636881	77.129	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	202379	85.886	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1044826	75.155	ng	-0.01
79) Terphenyl-d14	12.910	244	817448	52.617	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.345	77	670	Below Cal	#	39
19) n-Nitroso-di-n-propyla...	7.351	70	87539	13.037	ng	# 72
25) Isophorone	7.351	82	630177	34.990	ng	# 65
26) 2-Nitrophenol	7.833	139	63	4.807	ng	# 1
32) Benzoic acid	7.857	122	129	7.888	ng	# 22
48) 2-Nitroaniline	9.357	65	441	3.264	ng	# 8
50) Dimethylphthalate	9.827	163	48604	3.085	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	31763	11.824	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	31763	10.514	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.645	198	54	8.733	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	12872	3.676	ng	# 1

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

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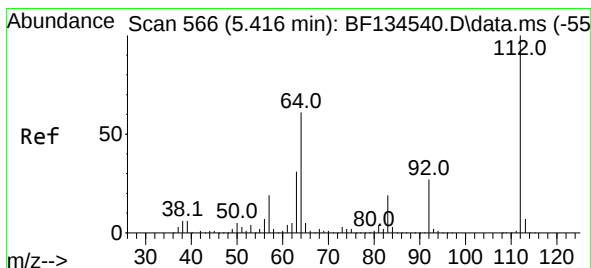
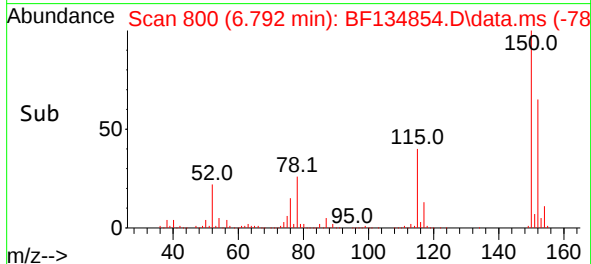
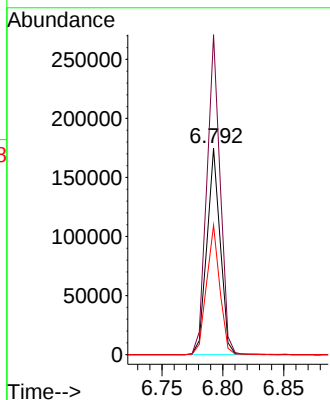
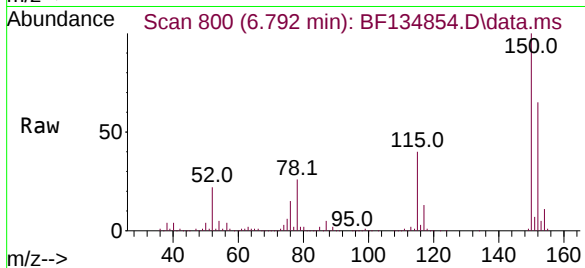




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134854.D
Acq: 18 Aug 2023 22:29

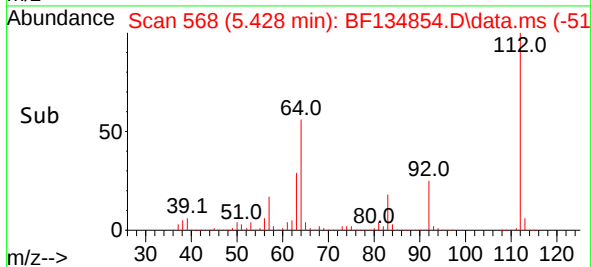
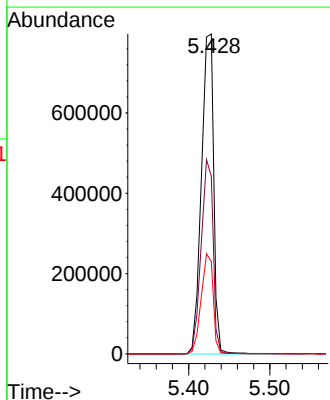
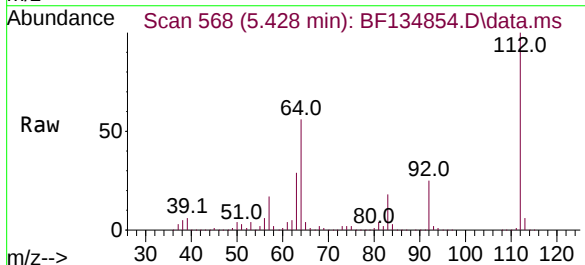
Instrument :
BNA_F
ClientSampleId :
WC-1

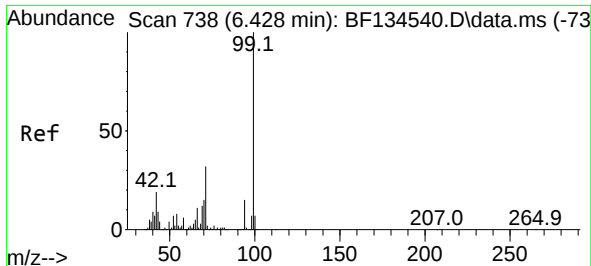
Tgt Ion:152 Resp: 133365
Ion Ratio Lower Upper
152 100
150 155.0 128.3 192.5
115 62.6 52.4 78.6



#5
2-Fluorophenol
Concen: 95.709 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134854.D
Acq: 18 Aug 2023 22:29

Tgt Ion:112 Resp: 839697
Ion Ratio Lower Upper
112 100
64 55.5 44.9 67.3
63 28.8 25.4 38.0





#7
 Phenol-d6
 Concen: 95.630 ng
 RT: 6.428 min Scan# 738
 Delta R.T. -0.012 min
 Lab File: BF134854.D
 Acq: 18 Aug 2023 22:29

Instrument :

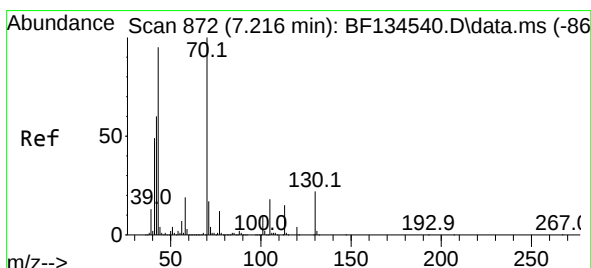
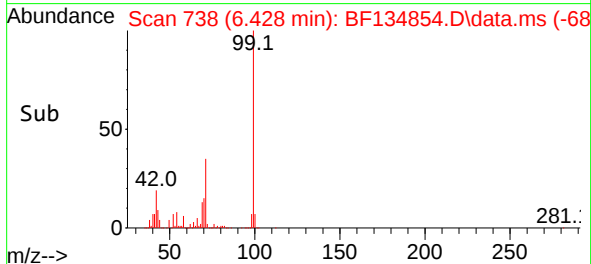
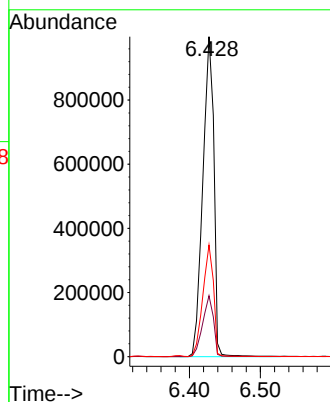
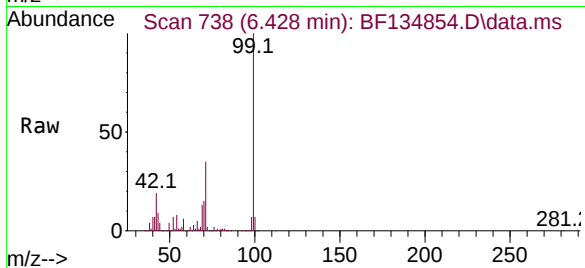
BNA_F

ClientSampleId :

WC-1

Tgt Ion: 99 Resp: 1072502

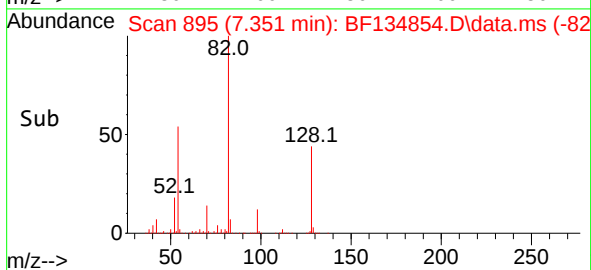
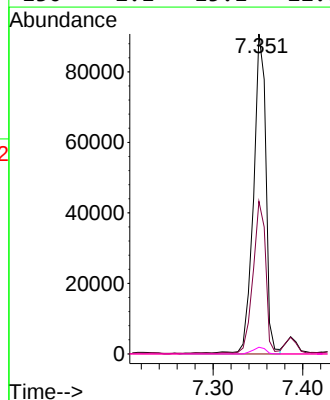
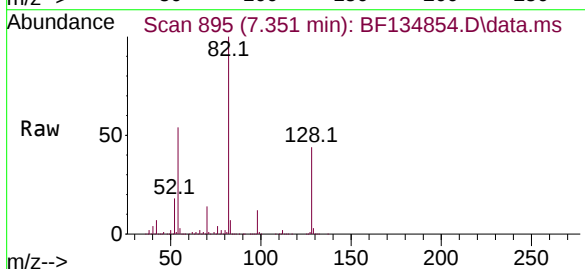
Ion	Ratio	Lower	Upper
99	100		
42	19.1	18.7	28.1
71	34.9	36.4	54.6

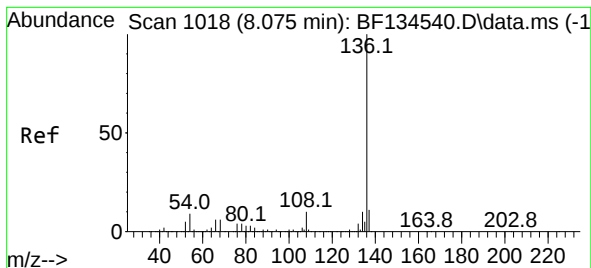


#19
 n-Nitroso-di-n-propylamine
 Concen: 13.037 ng
 RT: 7.351 min Scan# 895
 Delta R.T. 0.129 min
 Lab File: BF134854.D
 Acq: 18 Aug 2023 22:29

Tgt Ion: 70 Resp: 87539

Ion	Ratio	Lower	Upper
70	100		
42	47.7	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: 8.069 min Scan# 10

Delta R.T. -0.012 min

Lab File: BF134854.D

Acq: 18 Aug 2023 22:29

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:136 Resp: 516024

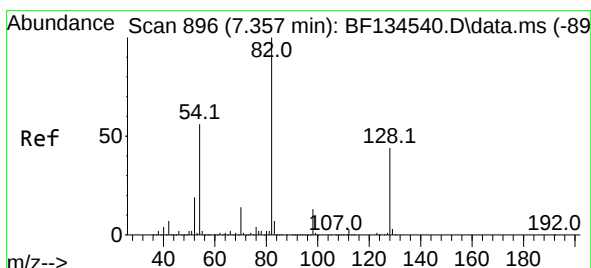
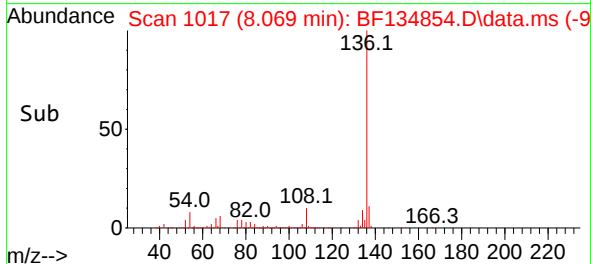
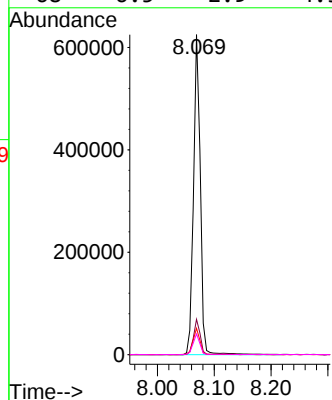
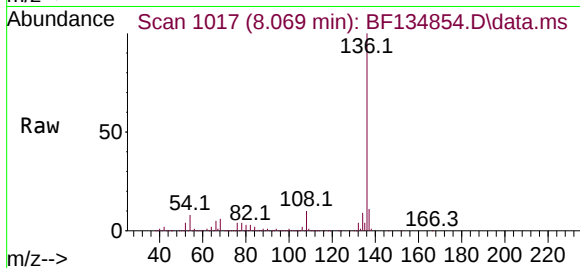
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.2 5.2 7.8#

68 6.5 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 77.129 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF134854.D

Acq: 18 Aug 2023 22:29

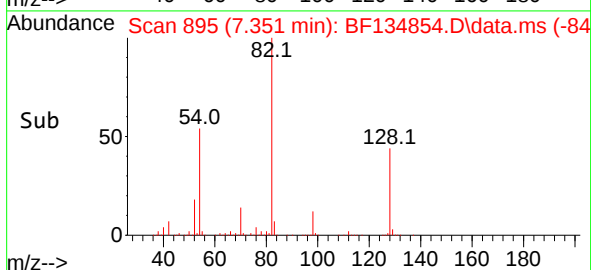
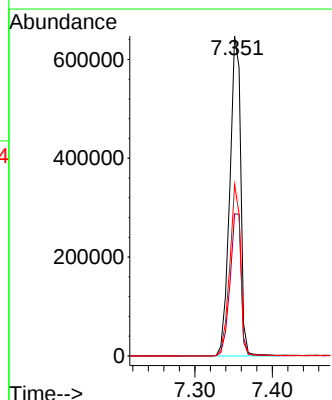
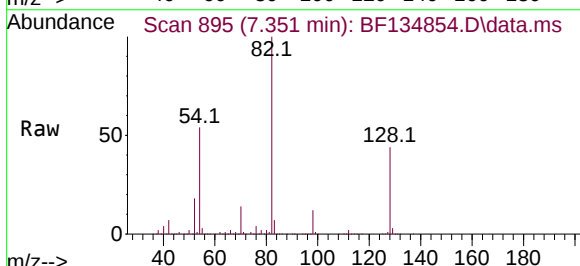
Tgt Ion: 82 Resp: 636881

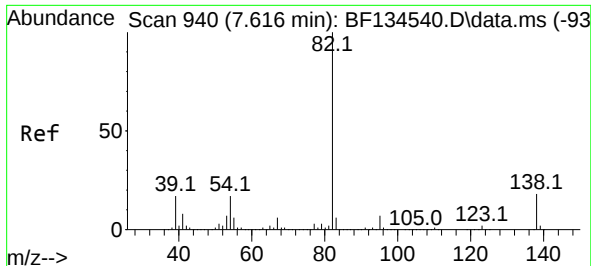
Ion Ratio Lower Upper

82 100

128 44.5 34.3 51.5

54 53.5 43.8 65.6

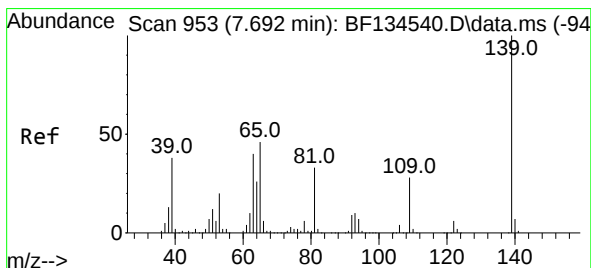
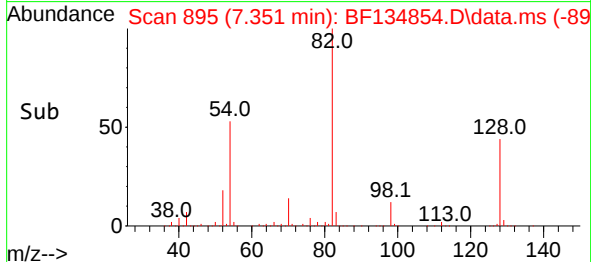
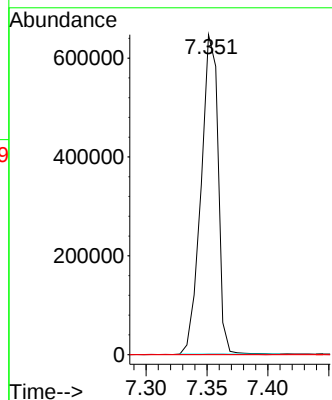
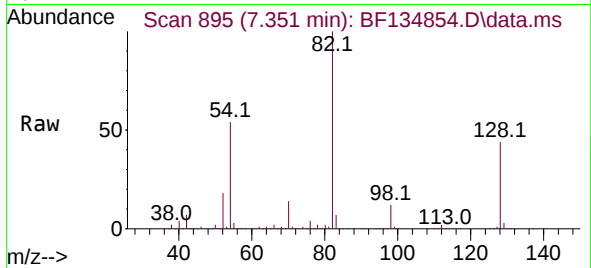




#25
Isophorone
Concen: 34.990 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF134854.D
Acq: 18 Aug 2023 22:29

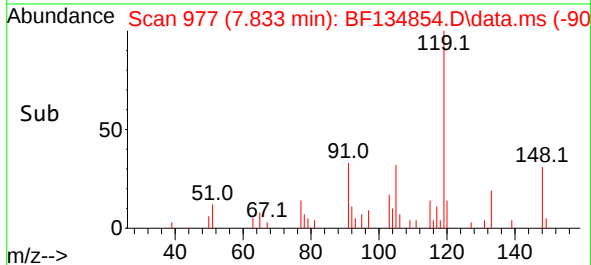
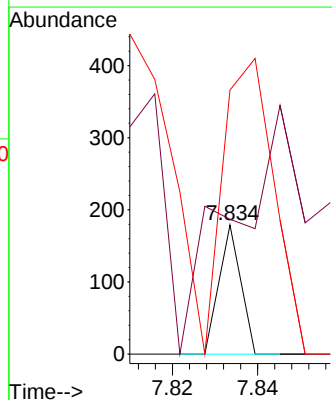
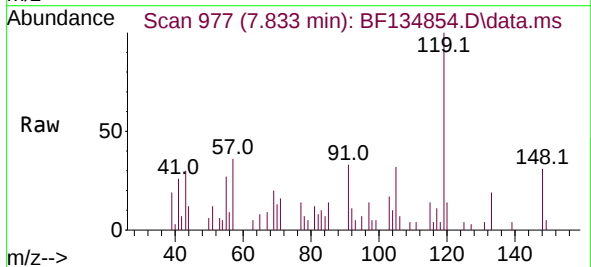
Instrument :
BNA_F
ClientSampleId :
WC-1

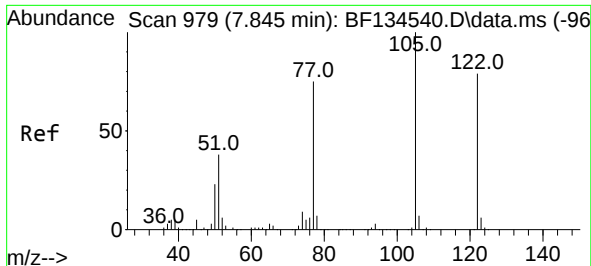
Tgt Ion: 82 Resp: 630177
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.807 ng
RT: 7.833 min Scan# 977
Delta R.T. 0.135 min
Lab File: BF134854.D
Acq: 18 Aug 2023 22:29

Tgt Ion:139 Resp: 63
Ion Ratio Lower Upper
139 100
109 104.5 29.8 44.6#
65 204.5 45.4 68.2#

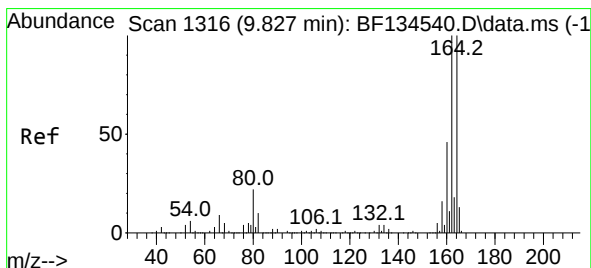
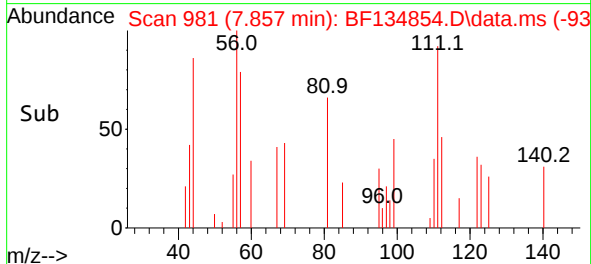
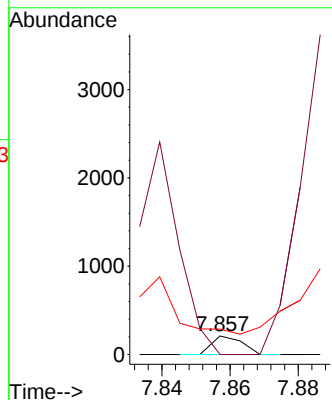
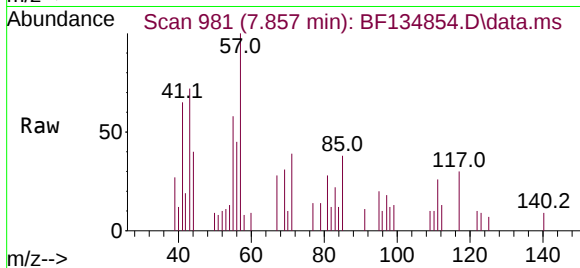




#32
Benzoic acid
Concen: 7.888 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF134854.D
Acq: 18 Aug 2023 22:29

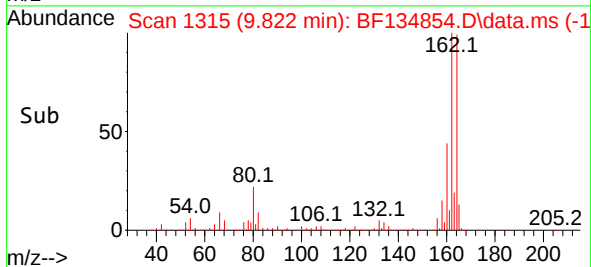
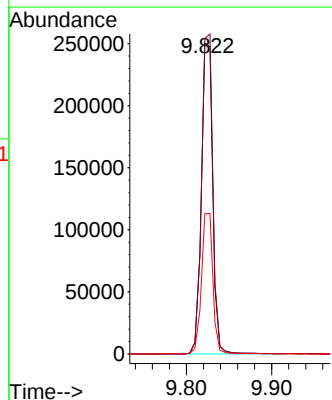
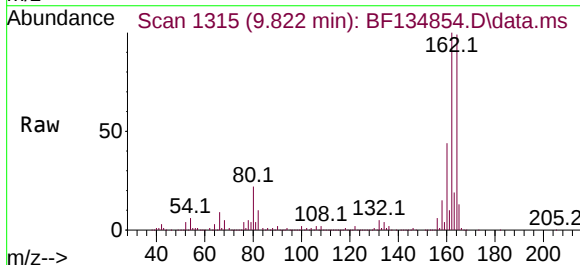
Instrument :
BNA_F
ClientSampleId :
WC-1

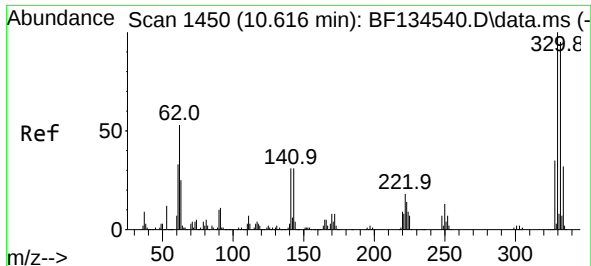
Tgt Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 137.0 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF134854.D
Acq: 18 Aug 2023 22:29

Tgt Ion:164 Resp: 231152
Ion Ratio Lower Upper
164 100
162 101.4 82.6 123.8
160 45.0 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 85.886 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134854.D

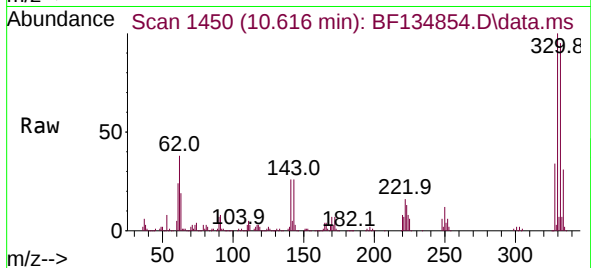
Acq: 18 Aug 2023 22:29

Instrument :

BNA_F

ClientSampleId :

WC-1



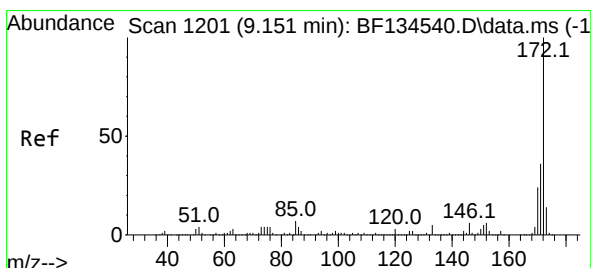
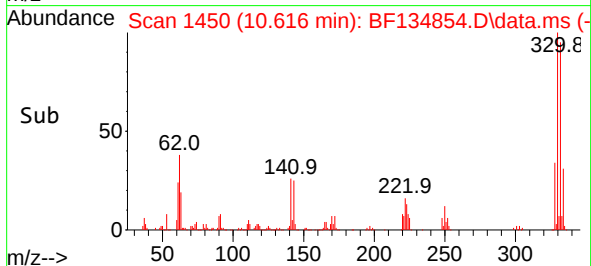
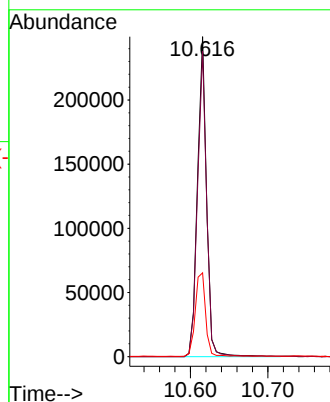
Tgt Ion:330 Resp: 202379

Ion Ratio Lower Upper

330 100

332 95.7 78.8 118.2

141 29.9 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 75.155 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134854.D

Acq: 18 Aug 2023 22:29

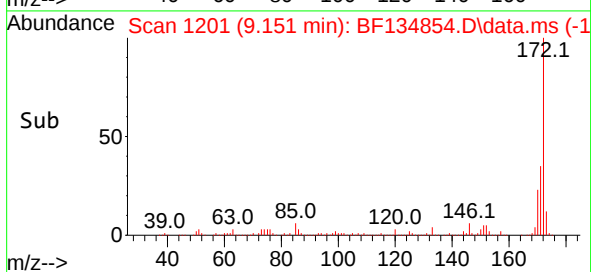
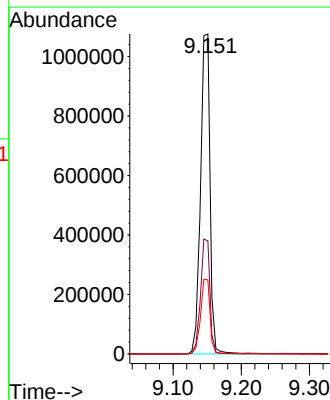
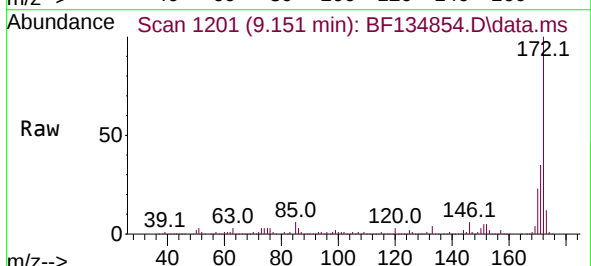
Tgt Ion:172 Resp: 1044826

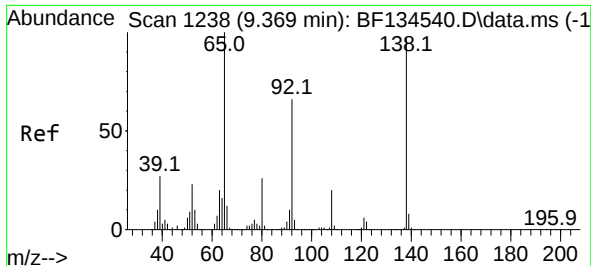
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.1 18.7 28.1





#48

2-Nitroaniline

Concen: 3.264 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.024 min

Lab File: BF134854.D

Acq: 18 Aug 2023 22:29

Instrument :

BNA_F

ClientSampleId :

WC-1

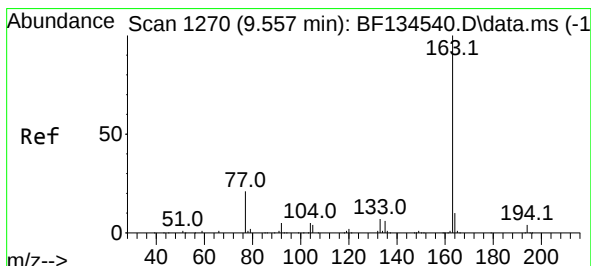
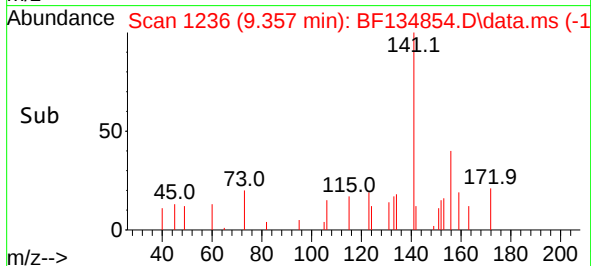
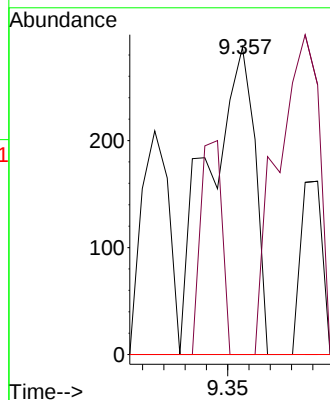
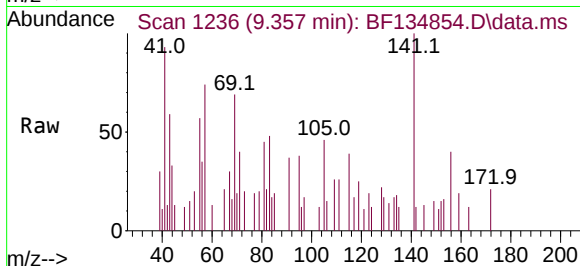
Tgt Ion: 65 Resp: 441

Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#



#50

Dimethylphthalate

Concen: 3.085 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.259 min

Lab File: BF134854.D

Acq: 18 Aug 2023 22:29

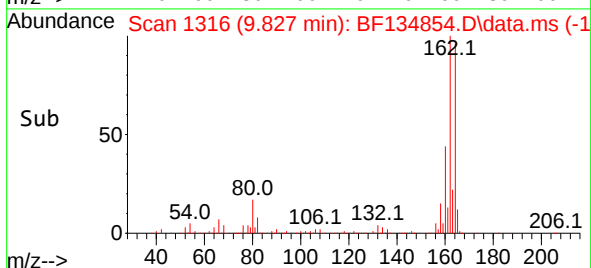
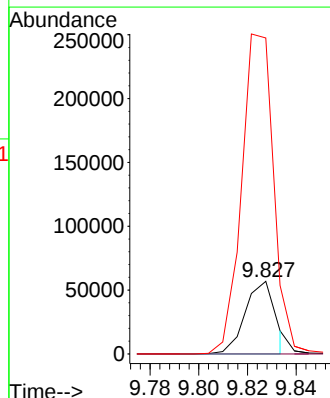
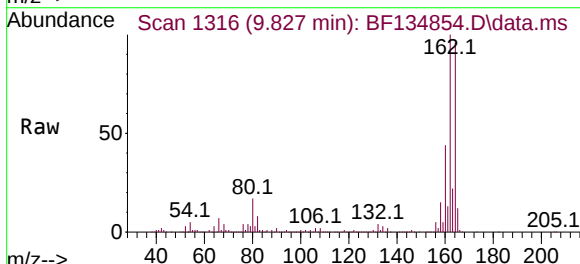
Tgt Ion:163 Resp: 48604

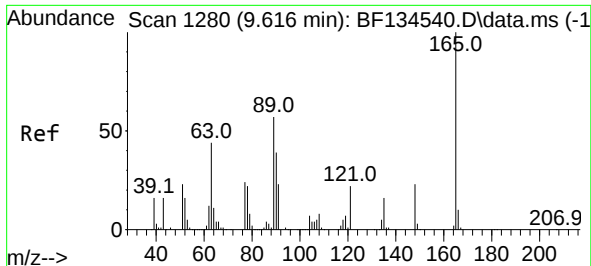
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 435.5 7.5 11.3#

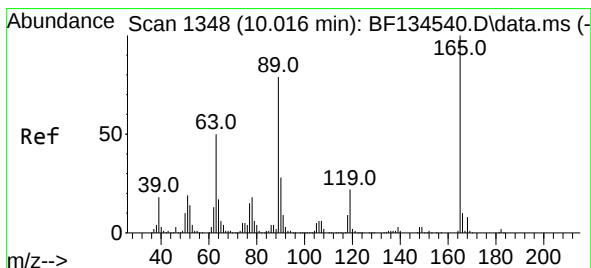
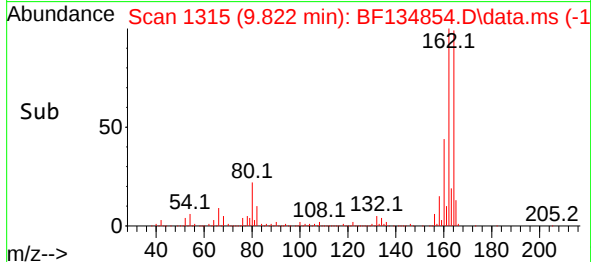
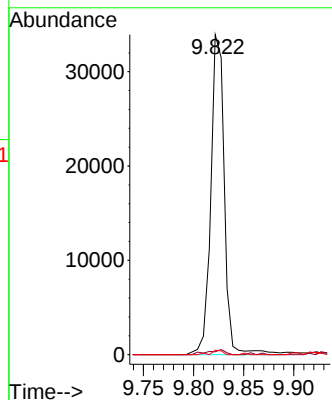
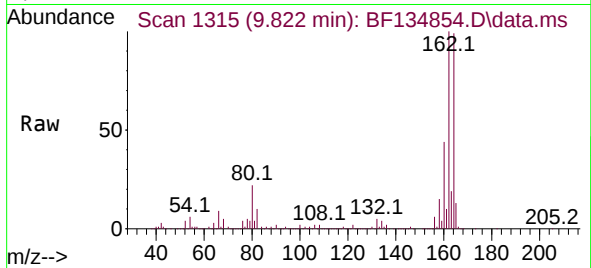




#51
2,6-Dinitrotoluene
Concen: 11.824 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.194 min
Lab File: BF134854.D
Acq: 18 Aug 2023 22:29

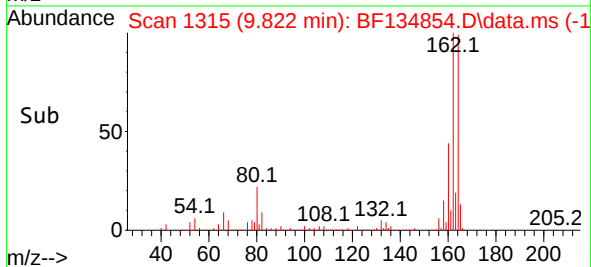
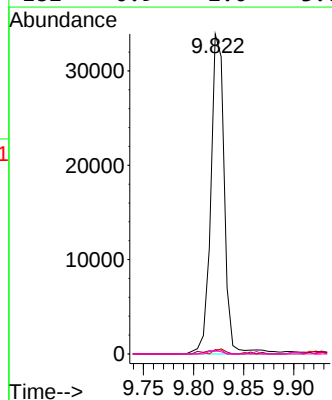
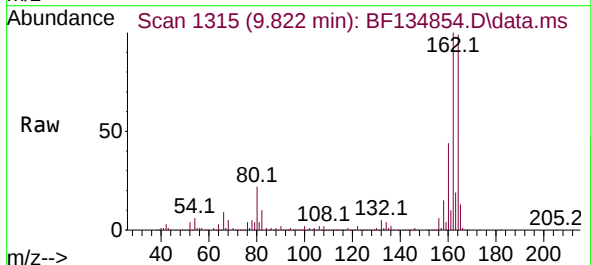
Instrument :
BNA_F
ClientSampleId :
WC-1

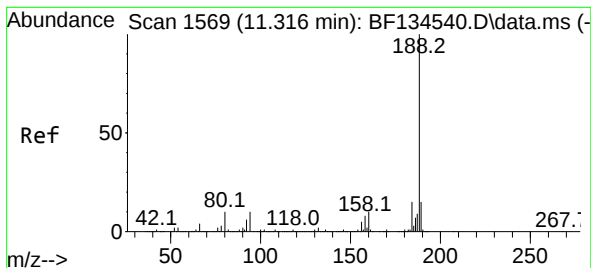
Tgt Ion:165 Resp: 31763
Ion Ratio Lower Upper
165 100
63 0.9 57.8 86.6#
89 1.4 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.514 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF134854.D
Acq: 18 Aug 2023 22:29

Tgt Ion:165 Resp: 31763
Ion Ratio Lower Upper
165 100
63 0.9 48.9 73.3#
89 1.4 61.7 92.5#
182 0.9 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134854.D

Acq: 18 Aug 2023 22:29

Instrument :

BNA_F

ClientSampleId :

WC-1

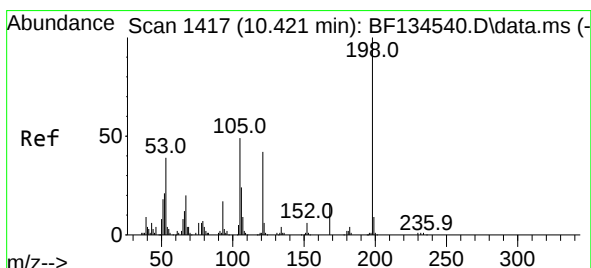
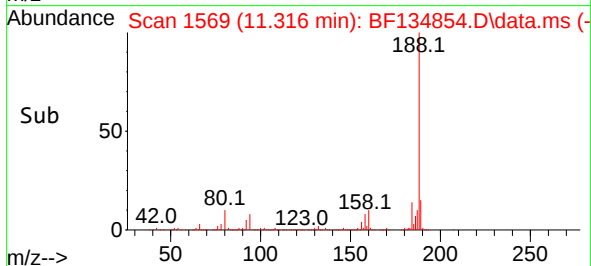
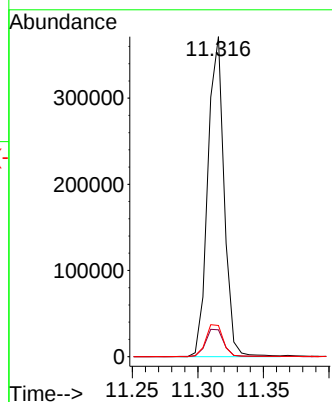
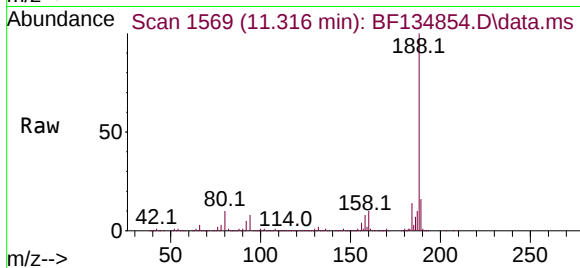
Tgt Ion:188 Resp: 319857

Ion Ratio Lower Upper

188 100

94 8.4 5.1 7.7#

80 9.7 6.6 9.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.733 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.206 min

Lab File: BF134854.D

Acq: 18 Aug 2023 22:29

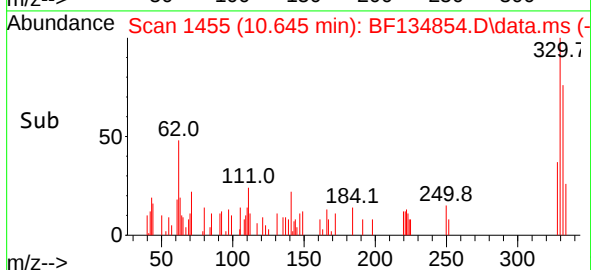
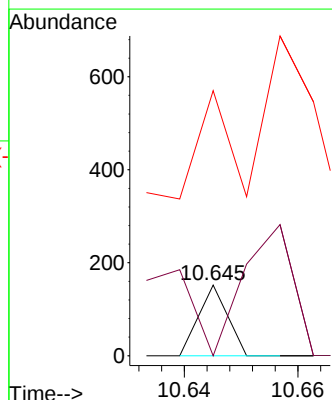
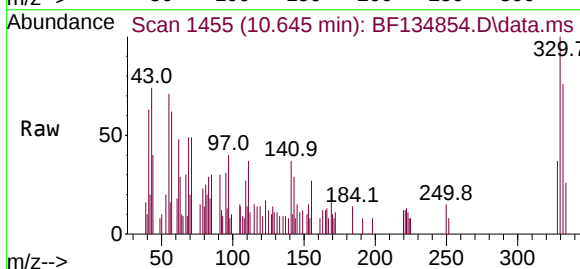
Tgt Ion:198 Resp: 54

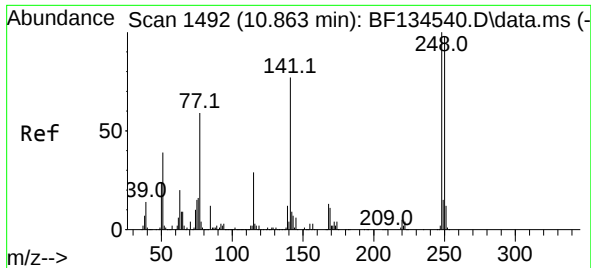
Ion Ratio Lower Upper

198 100

51 0.0 38.6 78.6#

105 375.0 27.9 67.9#

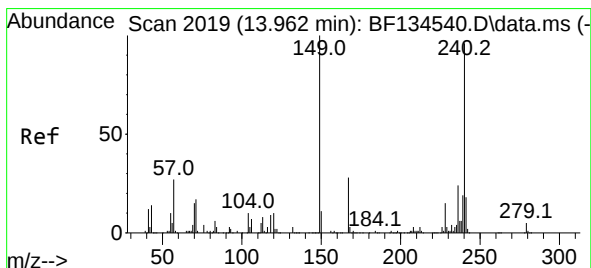
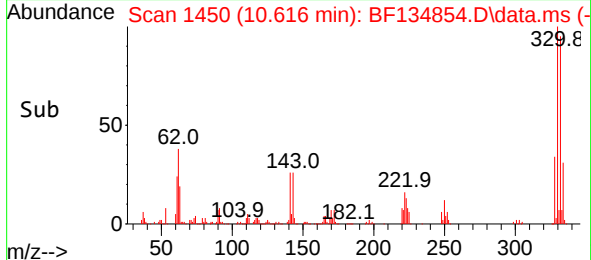
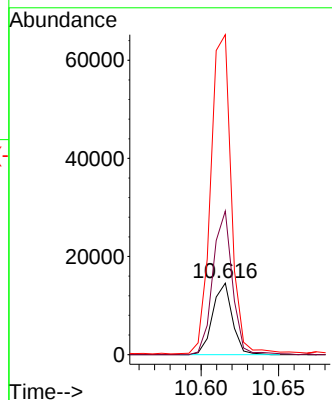
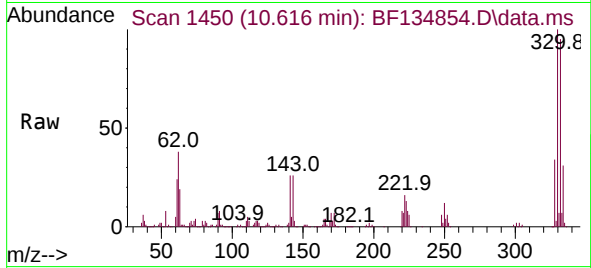




#67
4-Bromophenyl-phenylether
Concen: 3.676 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF134854.D
Acq: 18 Aug 2023 22:29

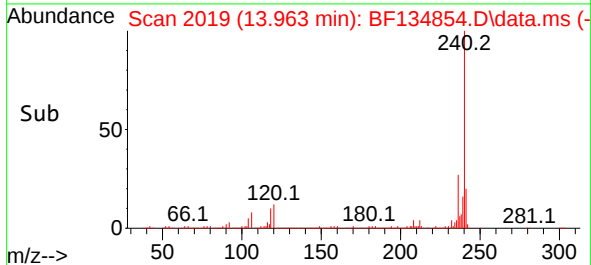
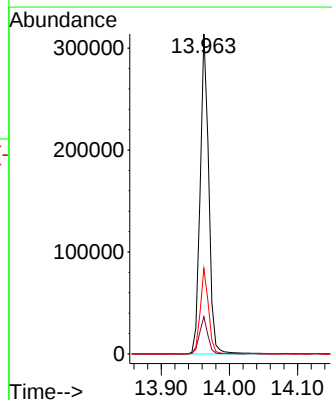
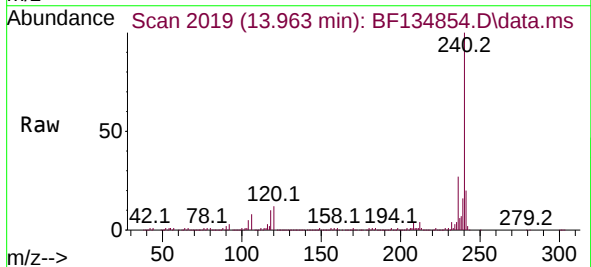
Instrument :
BNA_F
ClientSampleId :
WC-1

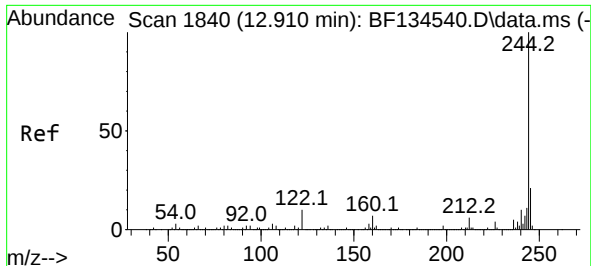
Tgt Ion:248 Resp: 12872
Ion Ratio Lower Upper
248 100
250 200.9 79.6 119.4#
141 447.7 59.6 89.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134854.D
Acq: 18 Aug 2023 22:29

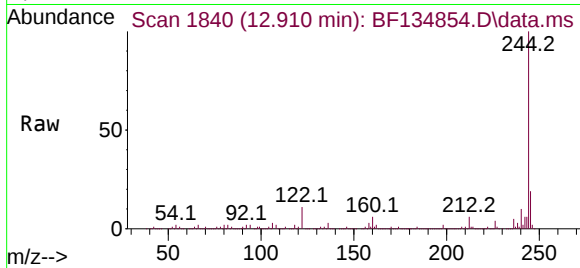
Tgt Ion:240 Resp: 273877
Ion Ratio Lower Upper
240 100
120 11.6 6.6 10.0#
236 26.7 20.2 30.2



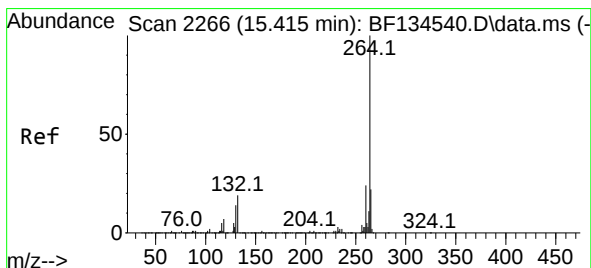
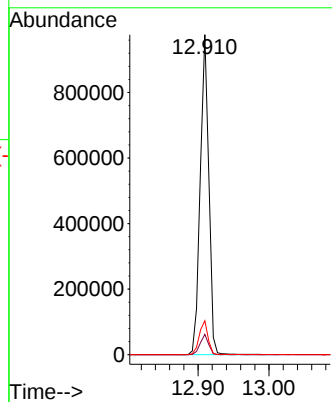
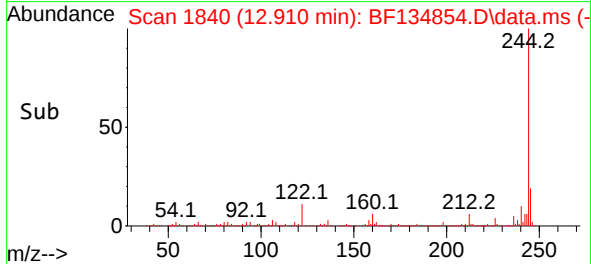


#79
 Terphenyl-d14
 Concen: 52.617 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134854.D
 Acq: 18 Aug 2023 22:29

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:244 Resp: 817448
 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: 15.433 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF134854.D
 Acq: 18 Aug 2023 22:29

Tgt Ion:264 Resp: 189653
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.4 27.6
 265 21.0 15.8 23.8

