

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134800.D
 Acq On : 16 Aug 2023 10:29
 Operator : CG\JU
 Sample : 04012-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081423

Quant Time: Aug 17 01:30:16 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)

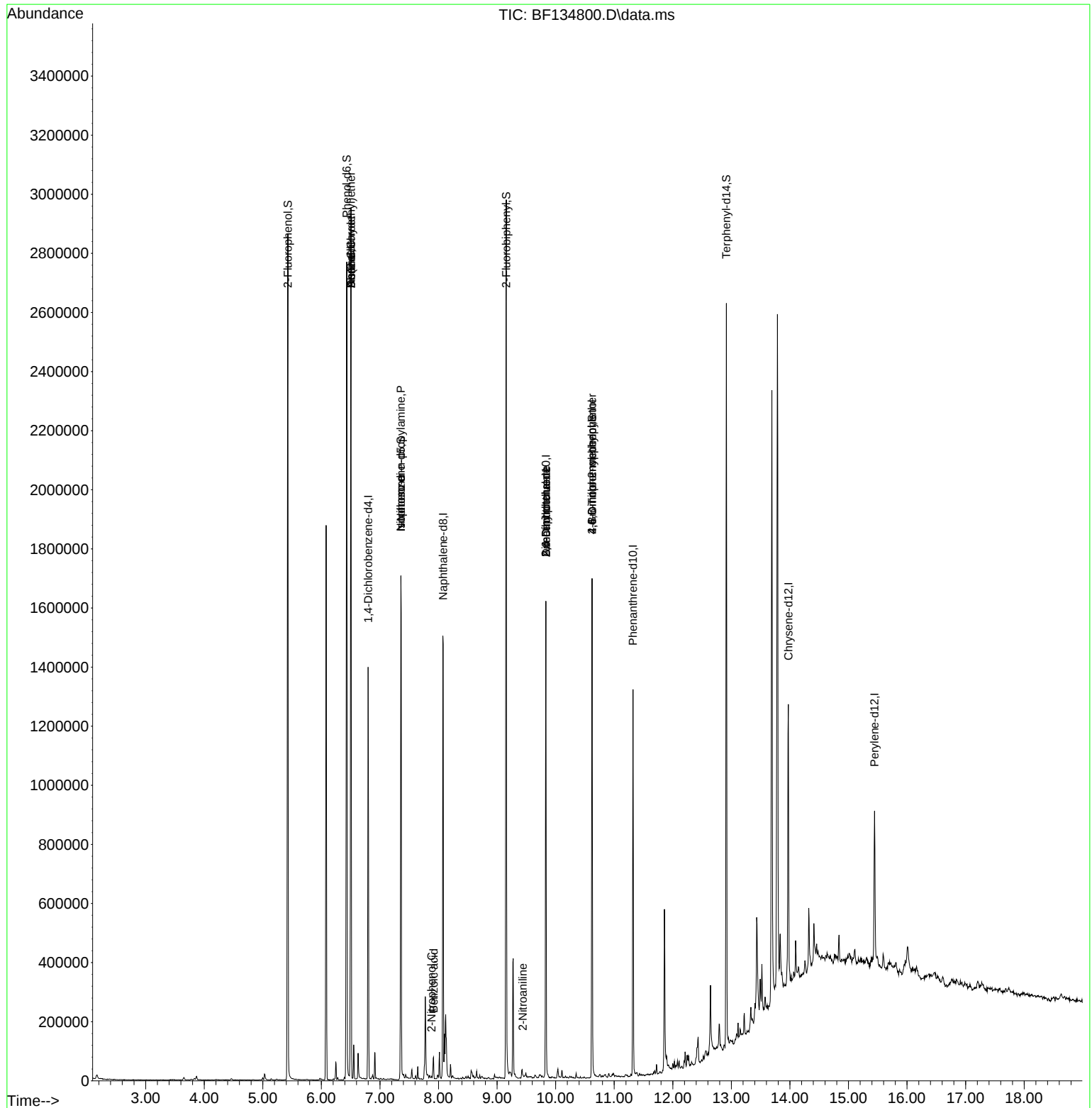
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	184273	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	677743	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	298580	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	448662	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	335488	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	248558	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	767655	63.325	ng	0.00
7) Phenol-d6	6.434	99	942986	60.853	ng	0.00
23) Nitrobenzene-d5	7.357	82	551686	50.869	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	197535	64.899	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	952788	53.058	ng	0.00
79) Terphenyl-d14	12.916	244	843516	44.324	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	6.504	93	595996	29.323	ng	# 44
9) Benzaldehyde	6.504	77	145920	15.490	ng	# 10
10) Phenol	6.504	94	79125	5.181	ng	# 58
11) bis(2-Chloroethyl)ether	6.504	93	595996	49.130	ng	# 18
19) n-Nitroso-di-n-propyla...	7.357	70	73215	7.891	ng	# 75
25) Isophorone	7.357	82	541928	22.910	ng	# 65
26) 2-Nitrophenol	7.881	139	136	4.817	ng	# 25
32) Benzoic acid	7.916	122	1090	7.999	ng	# 22
48) 2-Nitroaniline	9.439	65	307	3.219	ng	# 38
50) Dimethylphthalate	9.833	163	62995	3.096	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	39224	11.414	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	39224	10.177	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.622	198	510	8.929	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	12887	2.624	ng	# 1

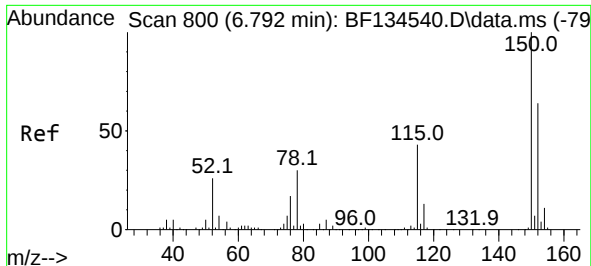
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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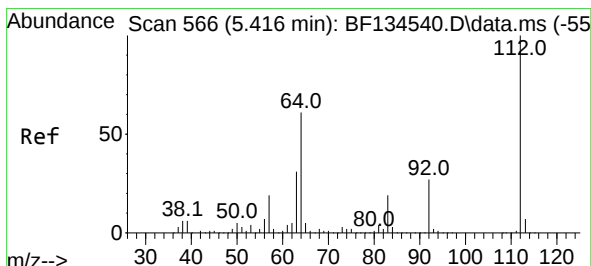
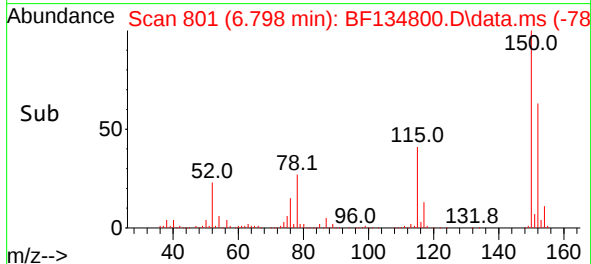
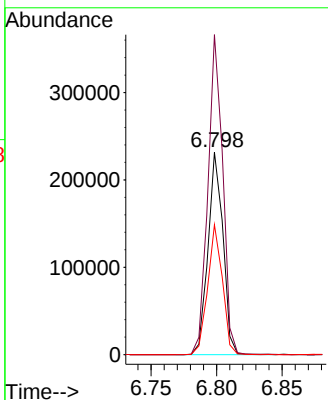
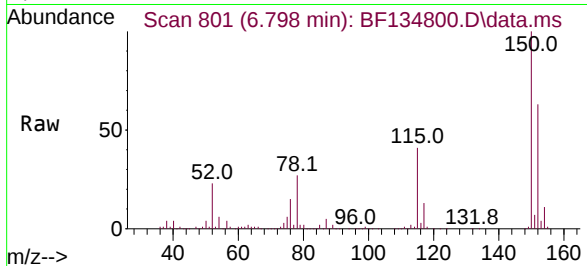




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF134800.D
 Acq: 16 Aug 2023 10:29

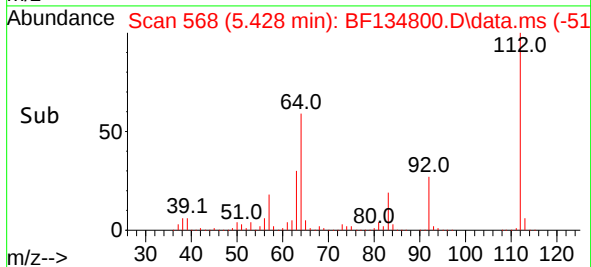
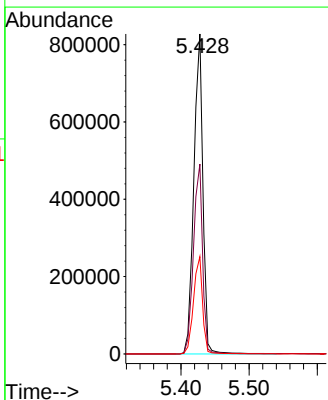
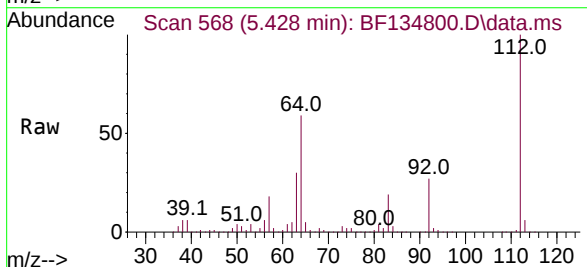
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081423

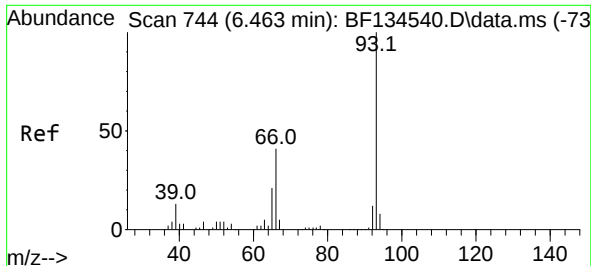
Tgt Ion:152 Resp: 184273
 Ion Ratio Lower Upper
 152 100
 150 158.2 128.3 192.5
 115 64.2 52.4 78.6



#5
 2-Fluorophenol
 Concen: 63.325 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF134800.D
 Acq: 16 Aug 2023 10:29

Tgt Ion:112 Resp: 767655
 Ion Ratio Lower Upper
 112 100
 64 59.3 44.9 67.3
 63 30.4 25.4 38.0





#6

Aniline

Concen: 29.323 ng

RT: 6.504 min Scan# 744

Delta R.T. 0.035 min

Lab File: BF134800.D

Acq: 16 Aug 2023 10:29

Instrument :

BNA_F

ClientSampleId :

HD-02-081423

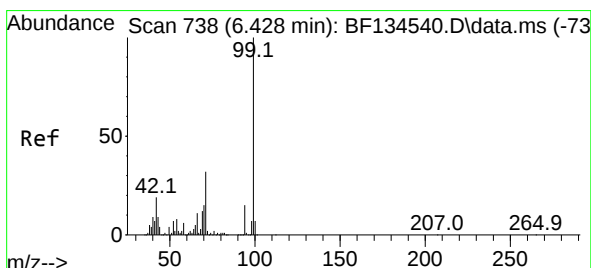
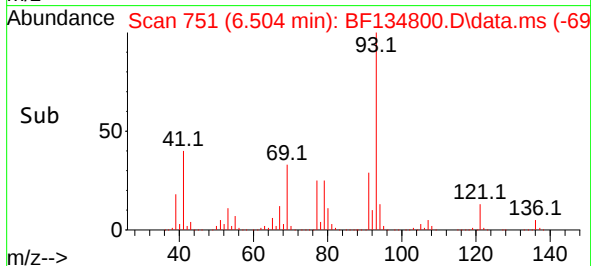
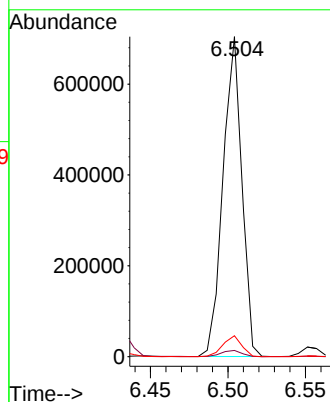
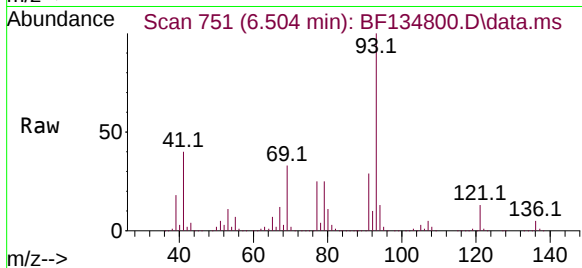
Tgt Ion: 93 Resp: 595996

Ion Ratio Lower Upper

93 100

66 1.9 36.8 55.2#

65 6.5 19.4 29.0#



#7

Phenol-d6

Concen: 60.853 ng

RT: 6.434 min Scan# 739

Delta R.T. -0.006 min

Lab File: BF134800.D

Acq: 16 Aug 2023 10:29

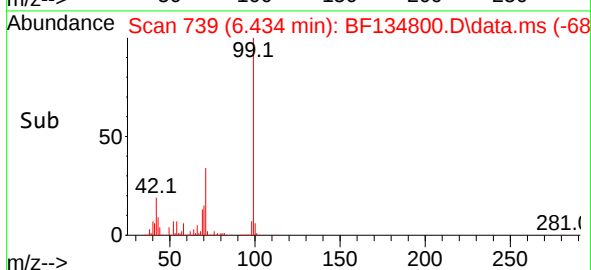
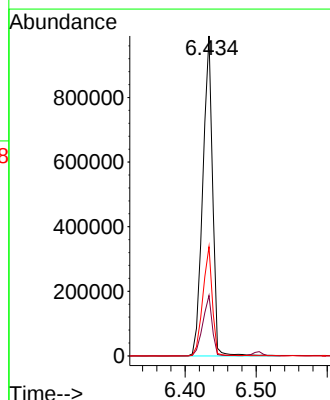
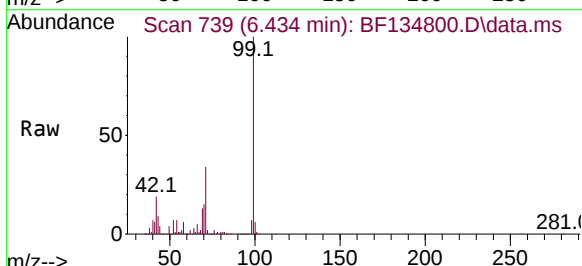
Tgt Ion: 99 Resp: 942986

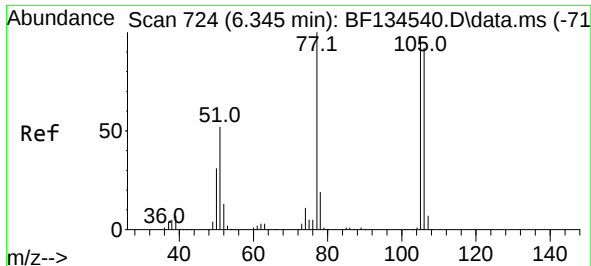
Ion Ratio Lower Upper

99 100

42 18.9 18.7 28.1

71 34.1 36.4 54.6#





#9

Benzaldehyde

Concen: 15.490 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.147 min

Lab File: BF134800.D

Acq: 16 Aug 2023 10:29

Instrument :

BNA_F

ClientSampleId :

HD-02-081423

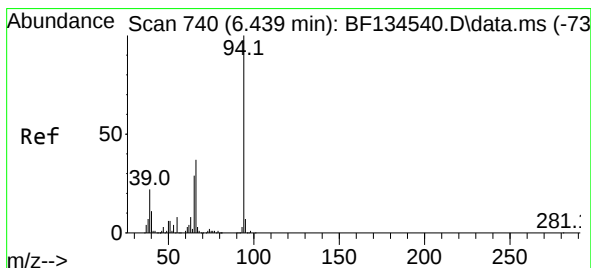
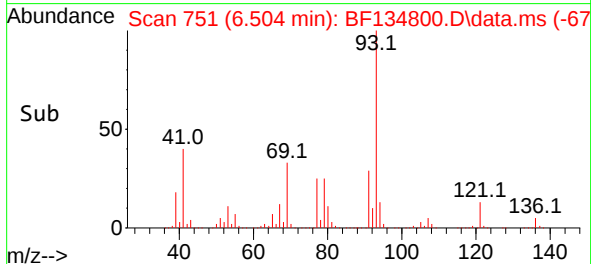
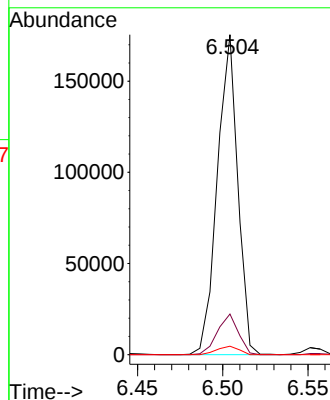
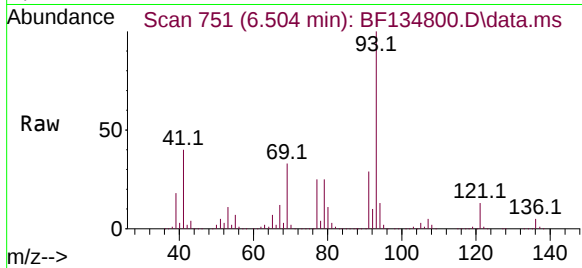
Tgt Ion: 77 Resp: 145920

Ion Ratio Lower Upper

77 100

105 12.7 77.1 117.1#

106 2.6 71.4 111.4#



#10

Phenol

Concen: 5.181 ng

RT: 6.504 min Scan# 751

Delta R.T. 0.053 min

Lab File: BF134800.D

Acq: 16 Aug 2023 10:29

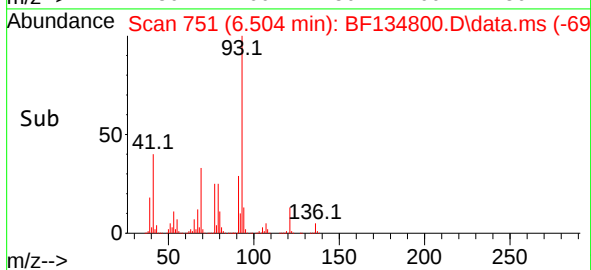
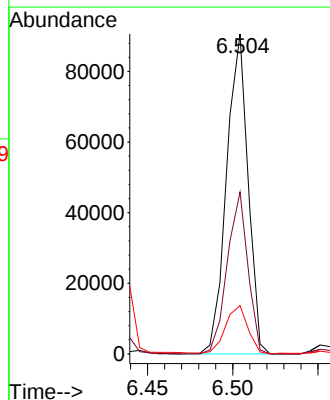
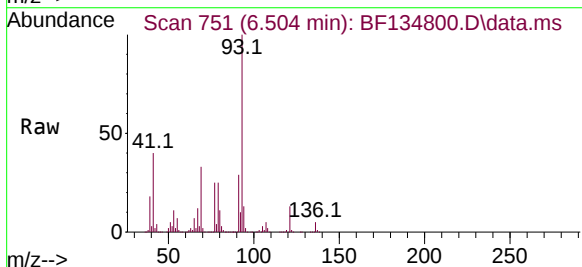
Tgt Ion: 94 Resp: 79125

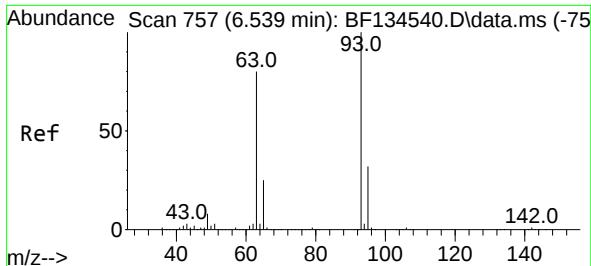
Ion Ratio Lower Upper

94 100

65 50.6 17.8 57.8

66 15.1 35.2 75.2#

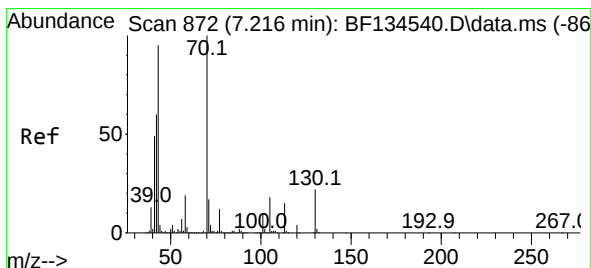
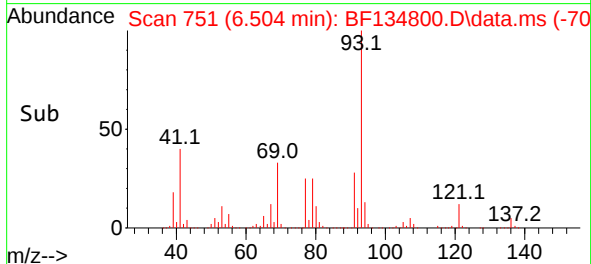
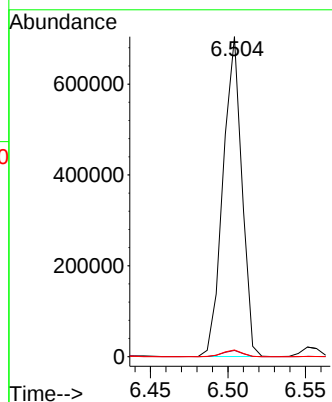
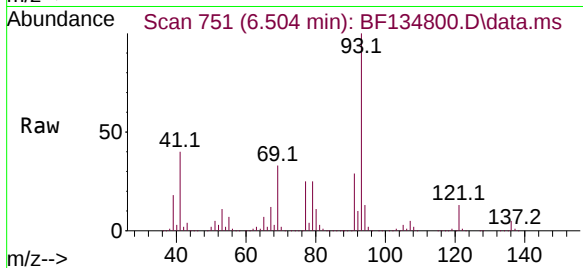




#11
bis(2-Chloroethyl)ether
Concen: 49.130 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.041 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

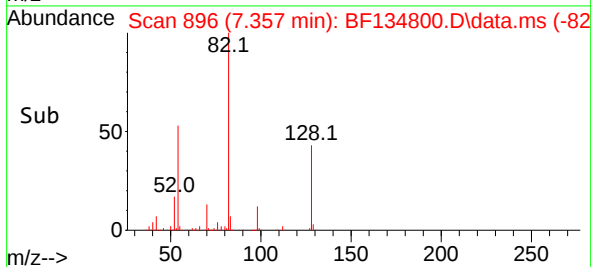
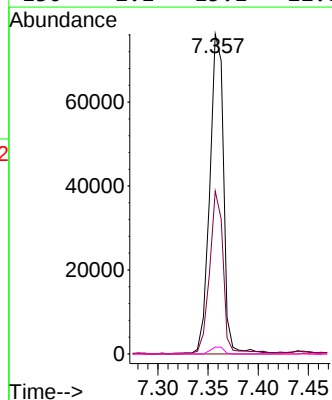
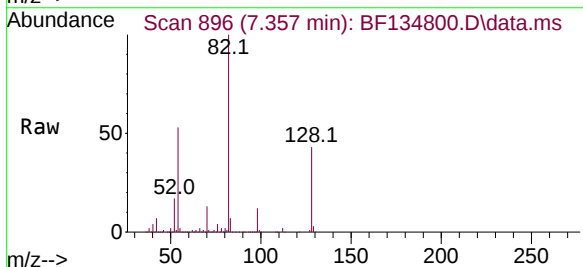
Instrument :
BNA_F
ClientSampleId :
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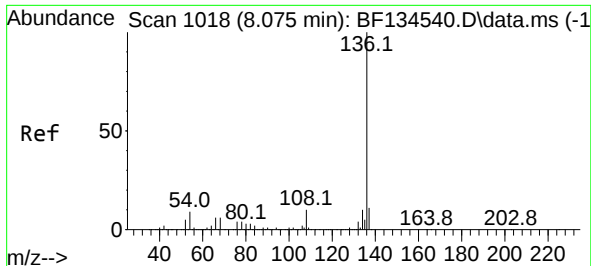
Tgt Ion: 93 Resp: 595996
Ion Ratio Lower Upper
93 100
63 1.9 68.4 108.4#
95 2.1 12.4 52.4#



#19
n-Nitroso-di-n-propylamine
Concen: 7.891 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

Tgt Ion: 70 Resp: 73215
Ion Ratio Lower Upper
70 100
42 50.9 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 15.1 22.7#

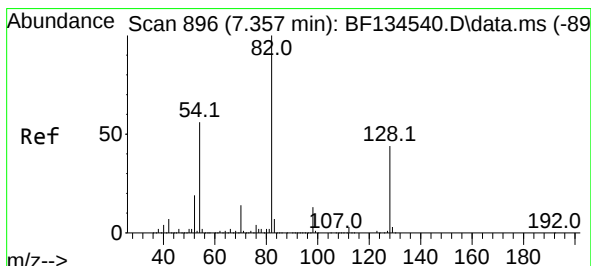
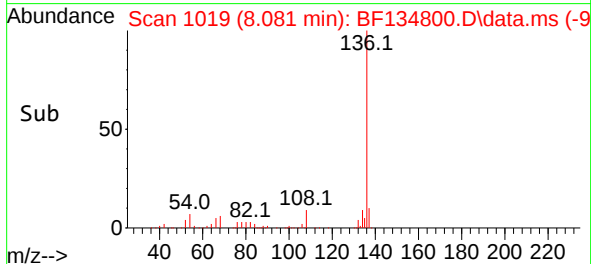
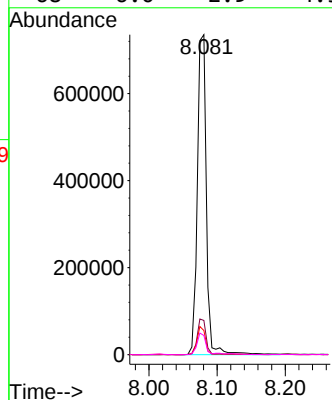
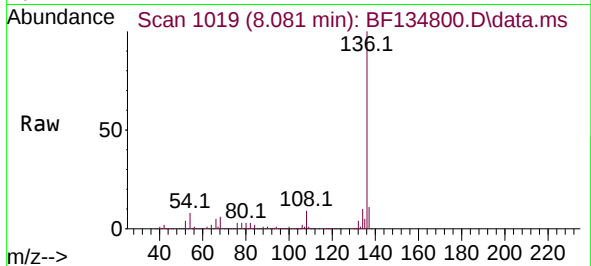




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

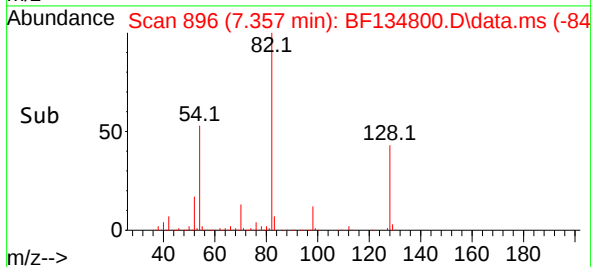
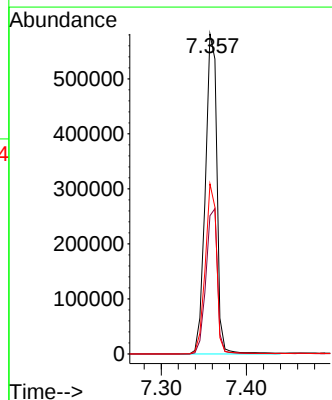
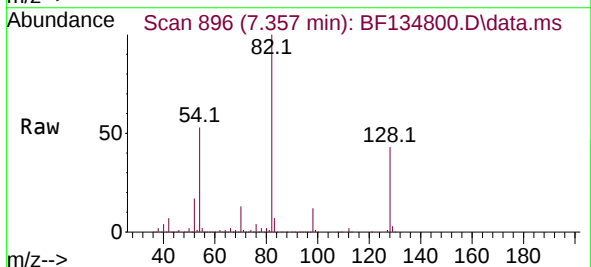
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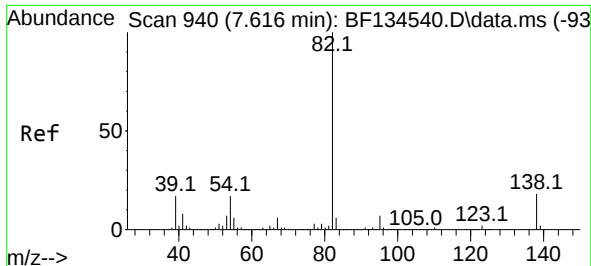
Tgt Ion:136 Resp: 677743
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.5 5.2 7.8
68 6.0 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 50.869 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

Tgt Ion: 82 Resp: 551686
Ion Ratio Lower Upper
82 100
128 43.2 34.3 51.5
54 53.1 43.8 65.6

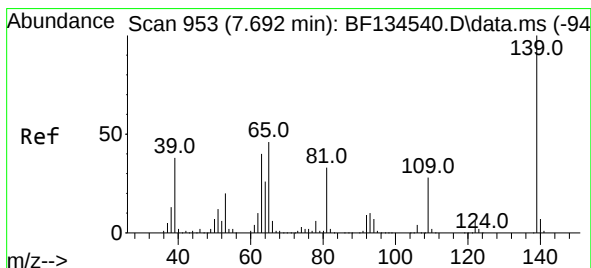
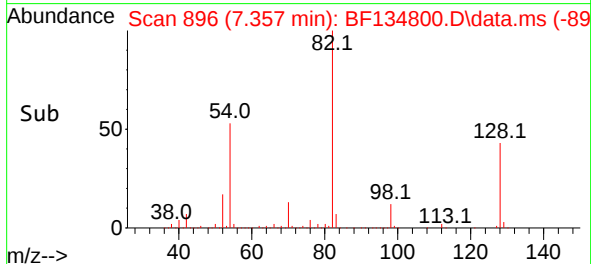
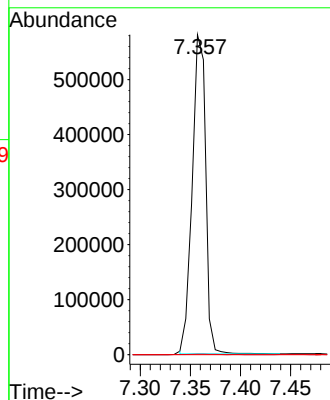
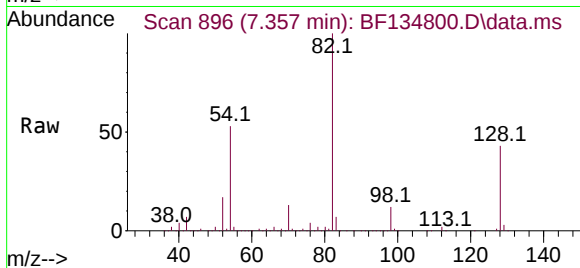




#25
Isophorone
Concen: 22.910 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

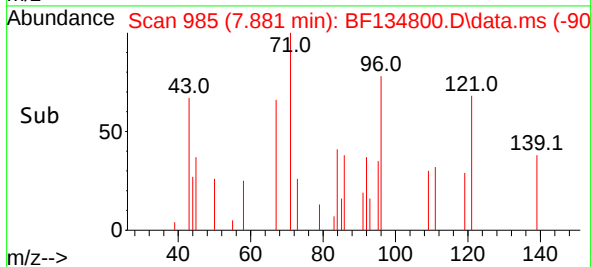
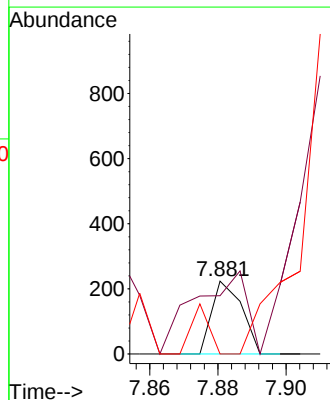
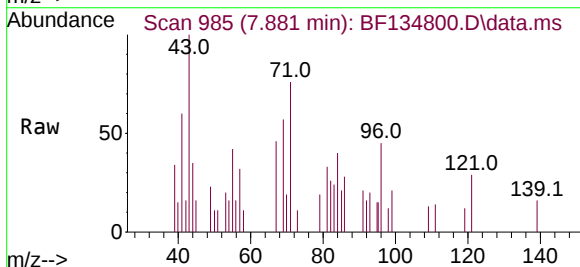
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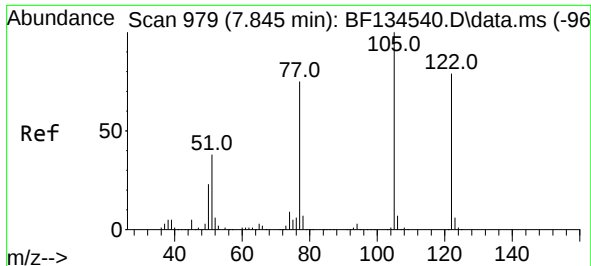
Tgt Ion: 82 Resp: 541928
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.817 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.182 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

Tgt Ion:139 Resp: 136
Ion Ratio Lower Upper
139 100
109 79.9 29.8 44.6#
65 0.0 45.4 68.2#

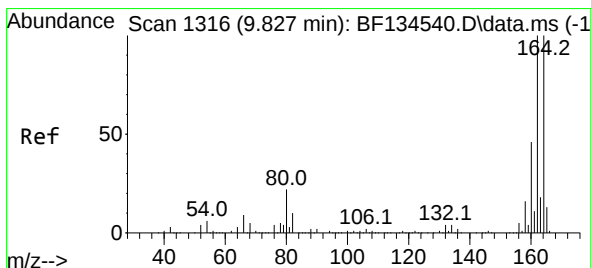
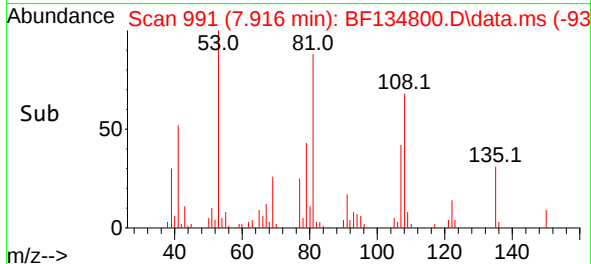
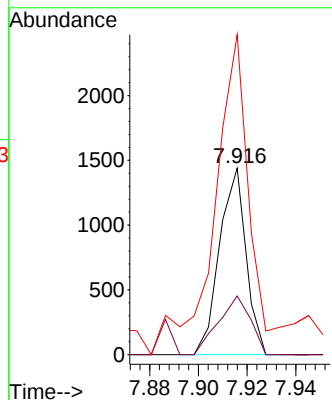
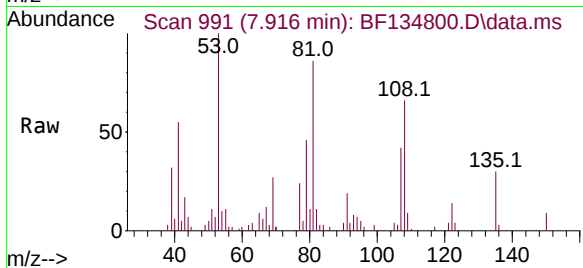




#32
Benzoic acid
Concen: 7.999 ng
RT: 7.916 min Scan# 991
Delta R.T. 0.053 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

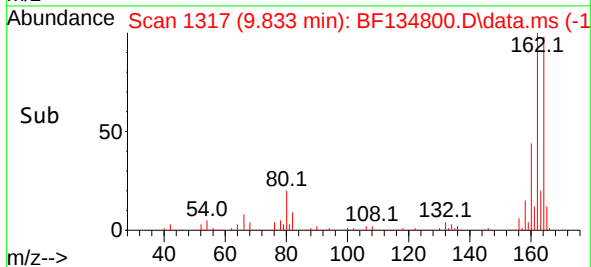
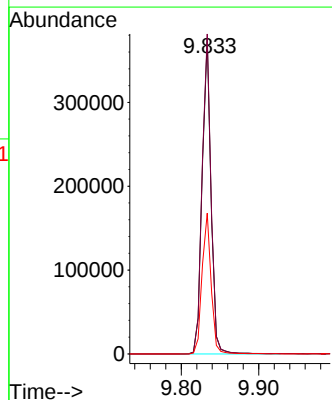
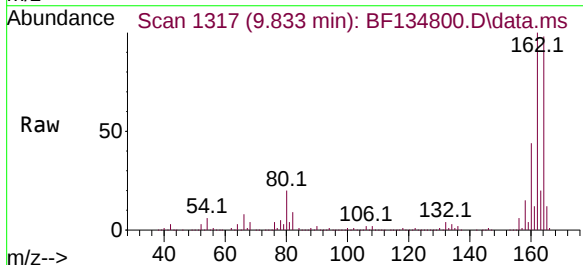
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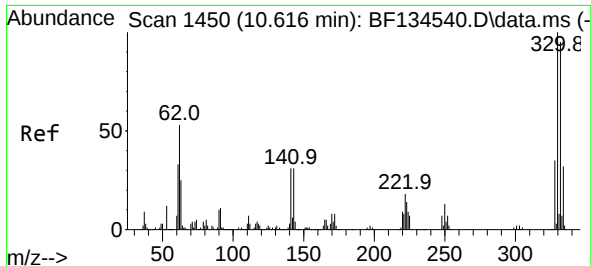
Tgt Ion:122 Resp: 1090
Ion Ratio Lower Upper
122 100
105 31.5 87.5 127.5#
77 171.6 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

Tgt Ion:164 Resp: 298580
Ion Ratio Lower Upper
164 100
162 101.6 82.6 123.8
160 44.7 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 64.899 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134800.D

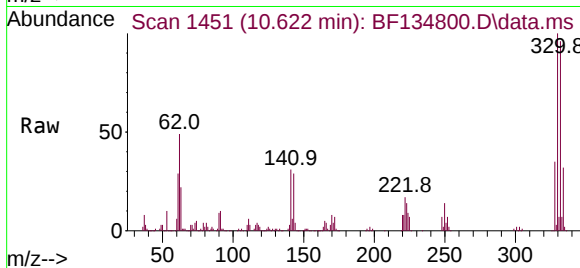
Acq: 16 Aug 2023 10:29

Instrument :

BNA_F

ClientSampleId :

HD-02-081423



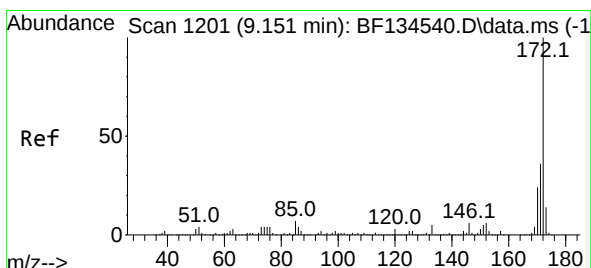
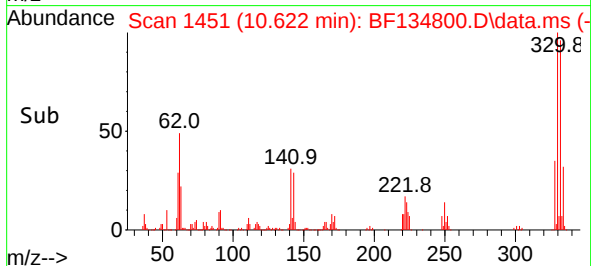
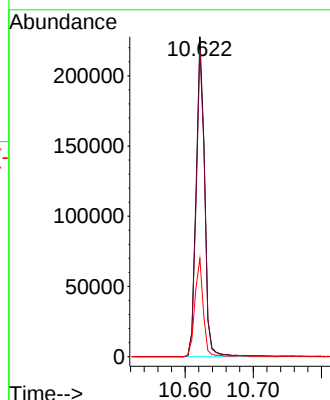
Tgt Ion:330 Resp: 197535

Ion Ratio Lower Upper

330 100

332 96.3 78.8 118.2

141 30.2 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 53.058 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF134800.D

Acq: 16 Aug 2023 10:29

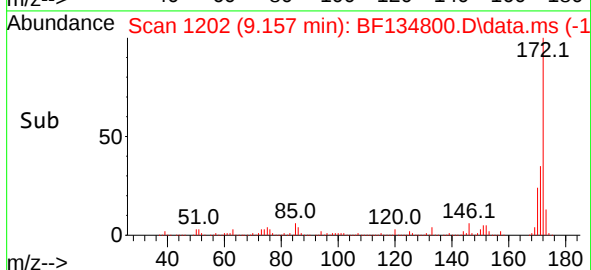
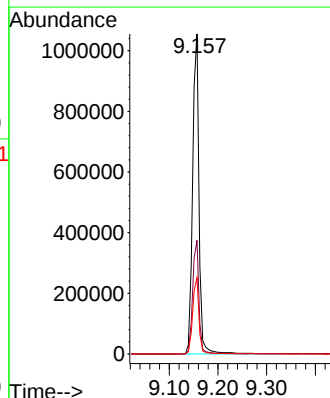
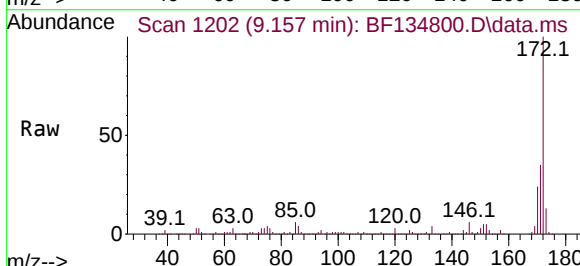
Tgt Ion:172 Resp: 952788

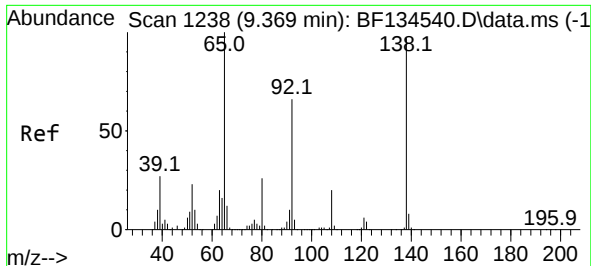
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.8 18.7 28.1

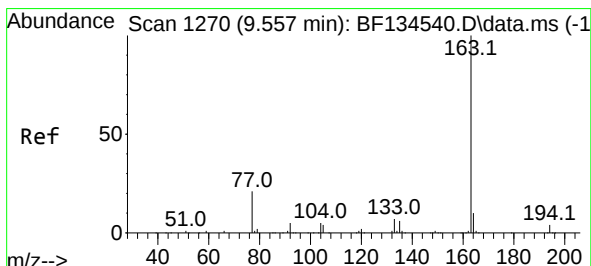
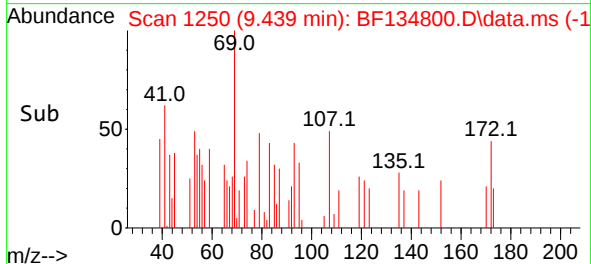
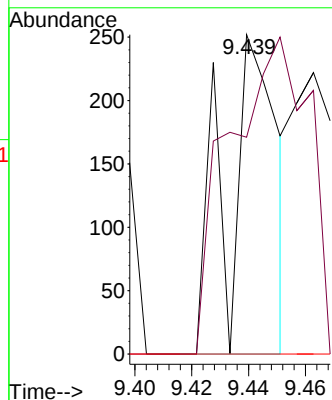
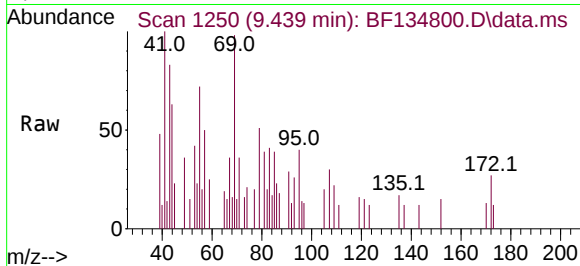




#48
2-Nitroaniline
Concen: 3.219 ng
RT: 9.439 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

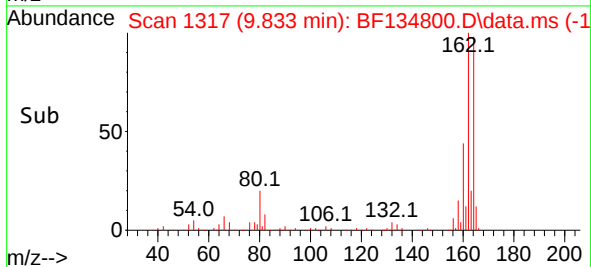
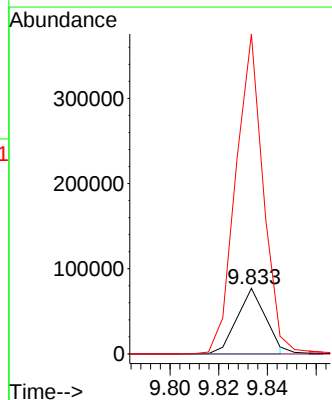
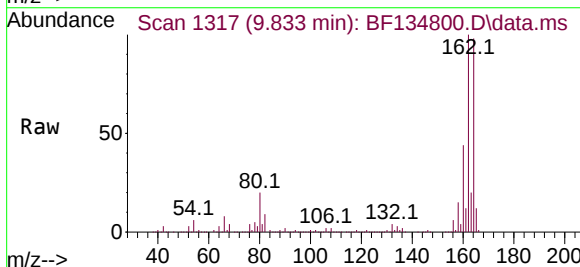
Instrument :
BNA_F
ClientSampleId :
HD-02-081423

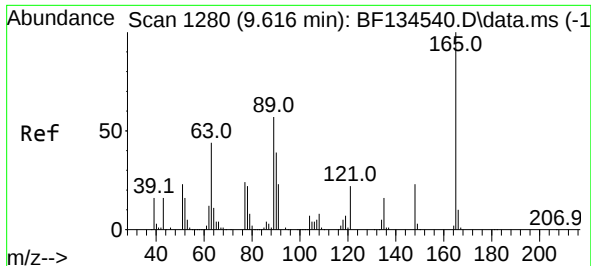
Tgt Ion: 65 Resp: 307
Ion Ratio Lower Upper
65 100
92 67.9 50.7 76.1
138 0.0 78.2 117.4#



#50
Dimethylphthalate
Concen: 3.096 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

Tgt Ion: 163 Resp: 62995
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 488.0 7.5 11.3#

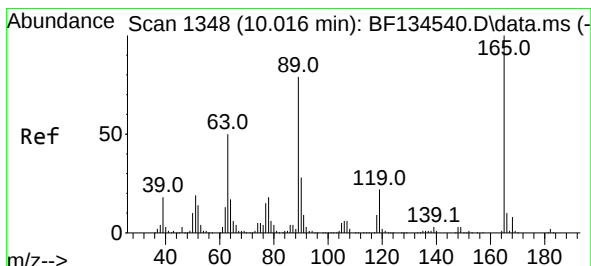
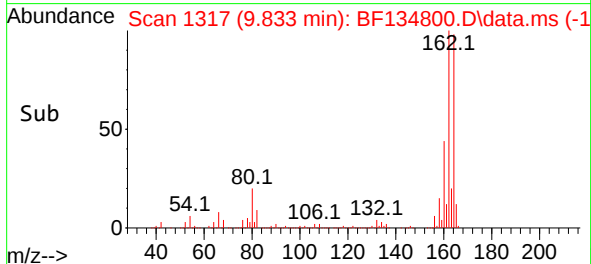
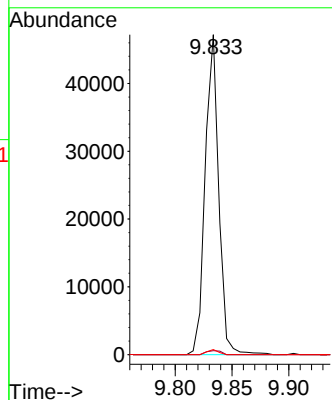
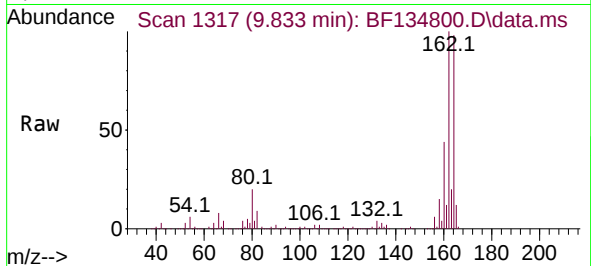




#51
2,6-Dinitrotoluene
Concen: 11.414 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

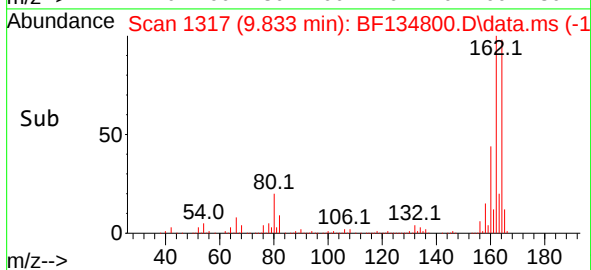
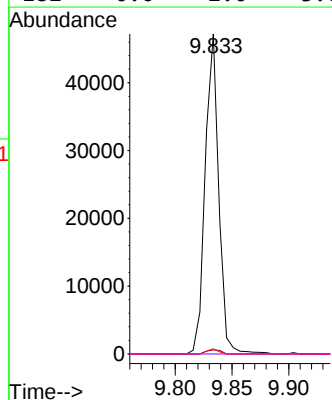
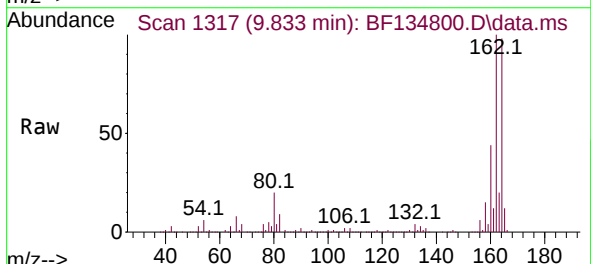
Instrument :
BNA_F
ClientSampleId :
HD-02-081423

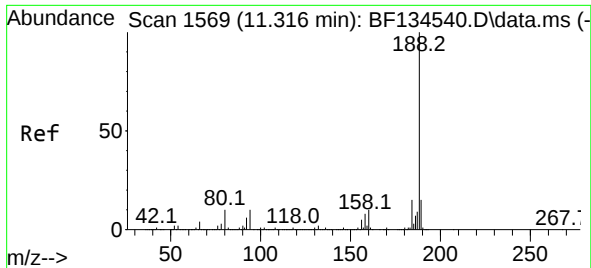
Tgt Ion:165 Resp: 39224
Ion Ratio Lower Upper
165 100
63 1.2 57.8 86.6#
89 1.6 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.177 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

Tgt Ion:165 Resp: 39224
Ion Ratio Lower Upper
165 100
63 1.2 48.9 73.3#
89 1.6 61.7 92.5#
182 0.0 2.0 3.0#

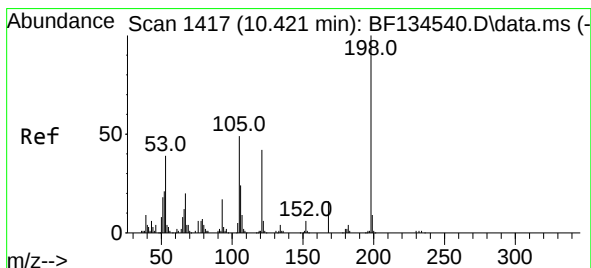
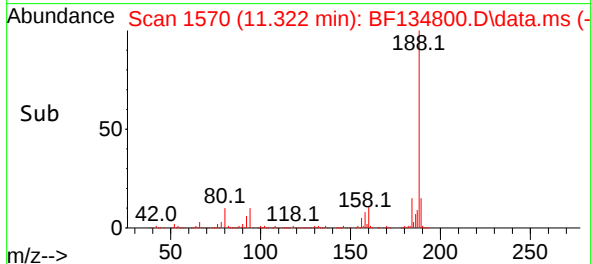
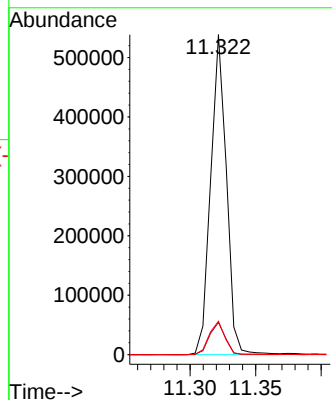
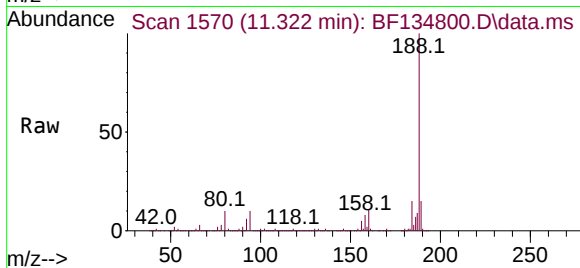




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

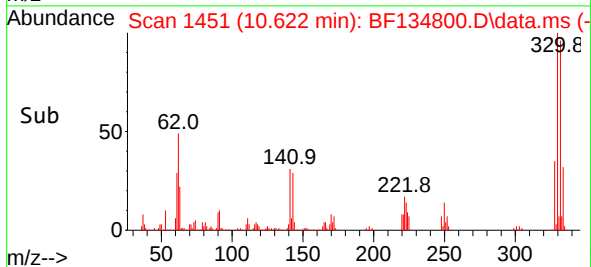
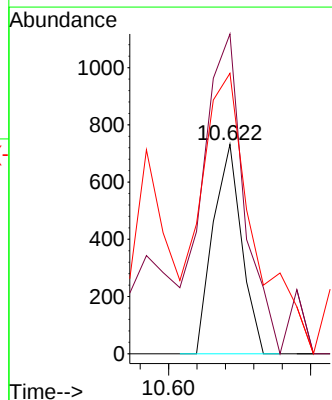
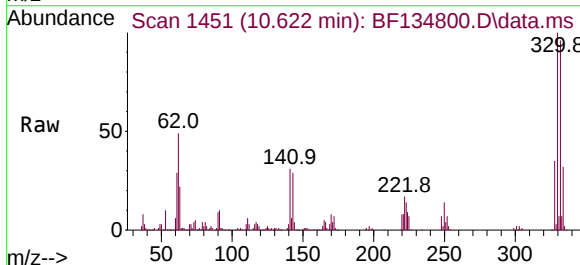
Instrument :
BNA_F
ClientSampleId :
HD-02-081423

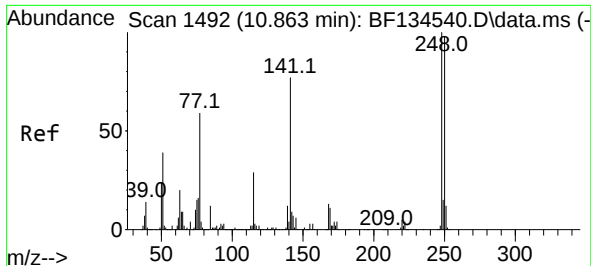
Tgt Ion:188 Resp: 448662
Ion Ratio Lower Upper
188 100
94 10.1 5.1 7.7#
80 10.4 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.929 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.182 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

Tgt Ion:198 Resp: 510
Ion Ratio Lower Upper
198 100
51 152.7 38.6 78.6#
105 133.9 27.9 67.9#

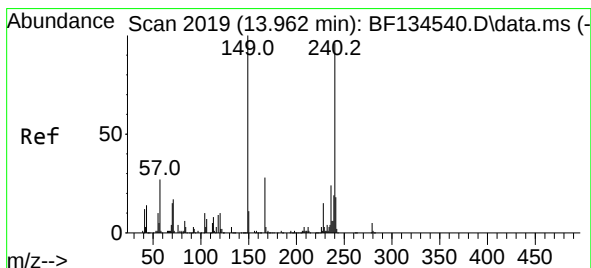
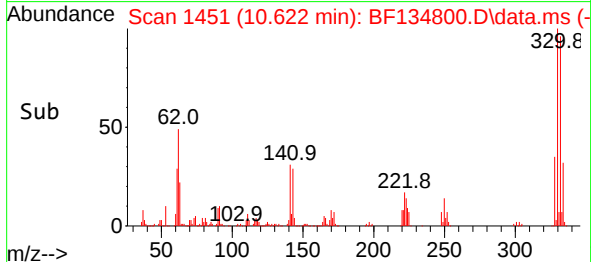
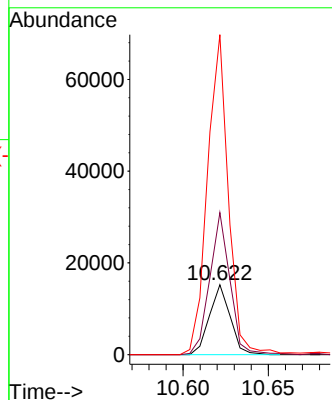
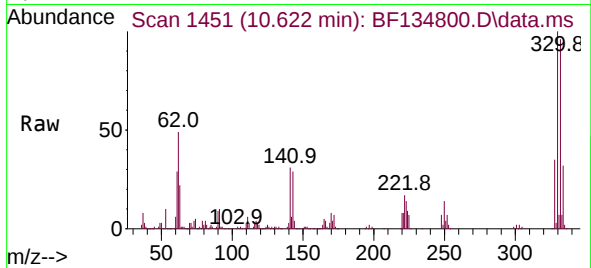




#67
4-Bromophenyl-phenylether
Concen: 2.624 ng
RT: 10.622 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

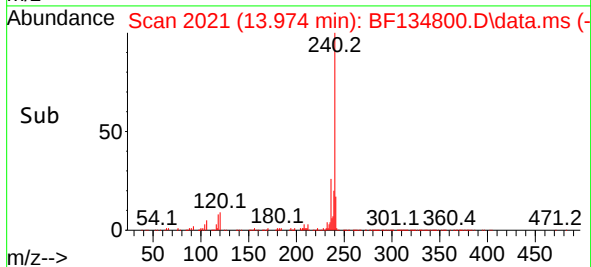
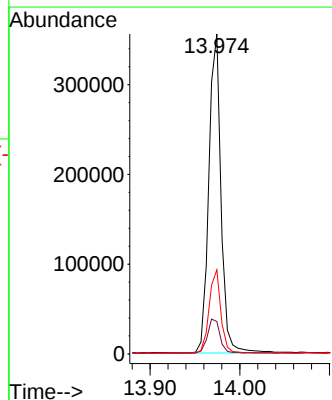
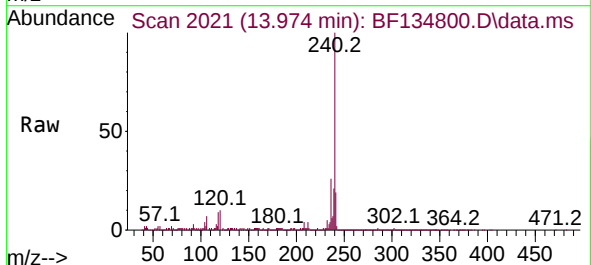
Instrument :
BNA_F
ClientSampleId :
HD-02-081423

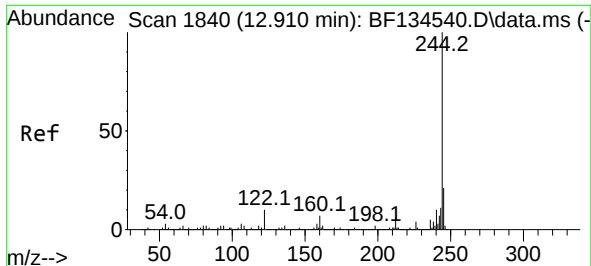
Tgt Ion:248 Resp: 12887
Ion Ratio Lower Upper
248 100
250 203.3 79.6 119.4#
141 458.0 59.6 89.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF134800.D
Acq: 16 Aug 2023 10:29

Tgt Ion:240 Resp: 335488
Ion Ratio Lower Upper
240 100
120 10.1 6.6 10.0#
236 26.3 20.2 30.2

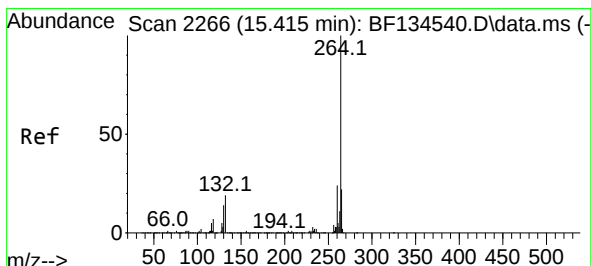
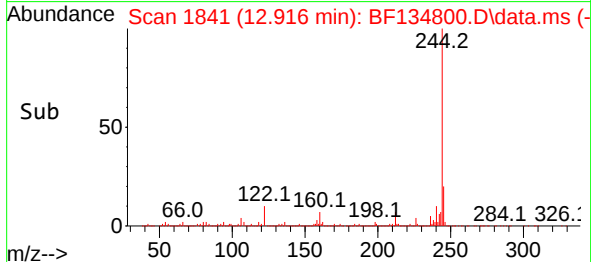
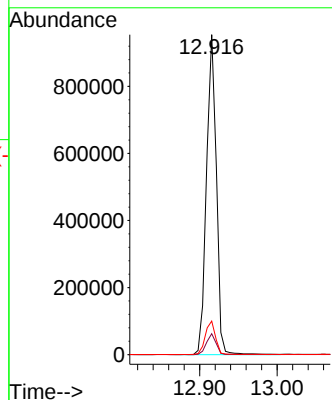
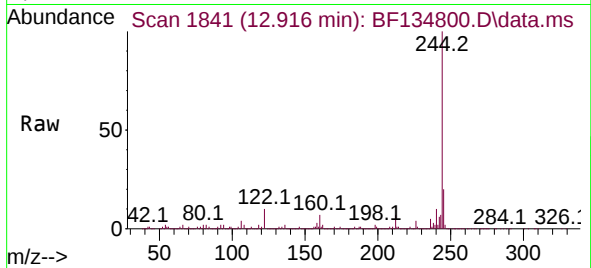




#79
 Terphenyl-d14
 Concen: 44.324 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF134800.D
 Acq: 16 Aug 2023 10:29

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081423

Tgt Ion:244 Resp: 843516
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.5 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 2271
 Delta R.T. 0.006 min
 Lab File: BF134800.D
 Acq: 16 Aug 2023 10:29

Tgt Ion:264 Resp: 248558
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.4 27.6
 265 22.1 15.8 23.8

