

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
 Data File : BF134873.D
 Acq On : 21 Aug 2023 18:10
 Operator : CG\JU
 Sample : 04086-21RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB04

Quant Time: Aug 22 03:21:31 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)

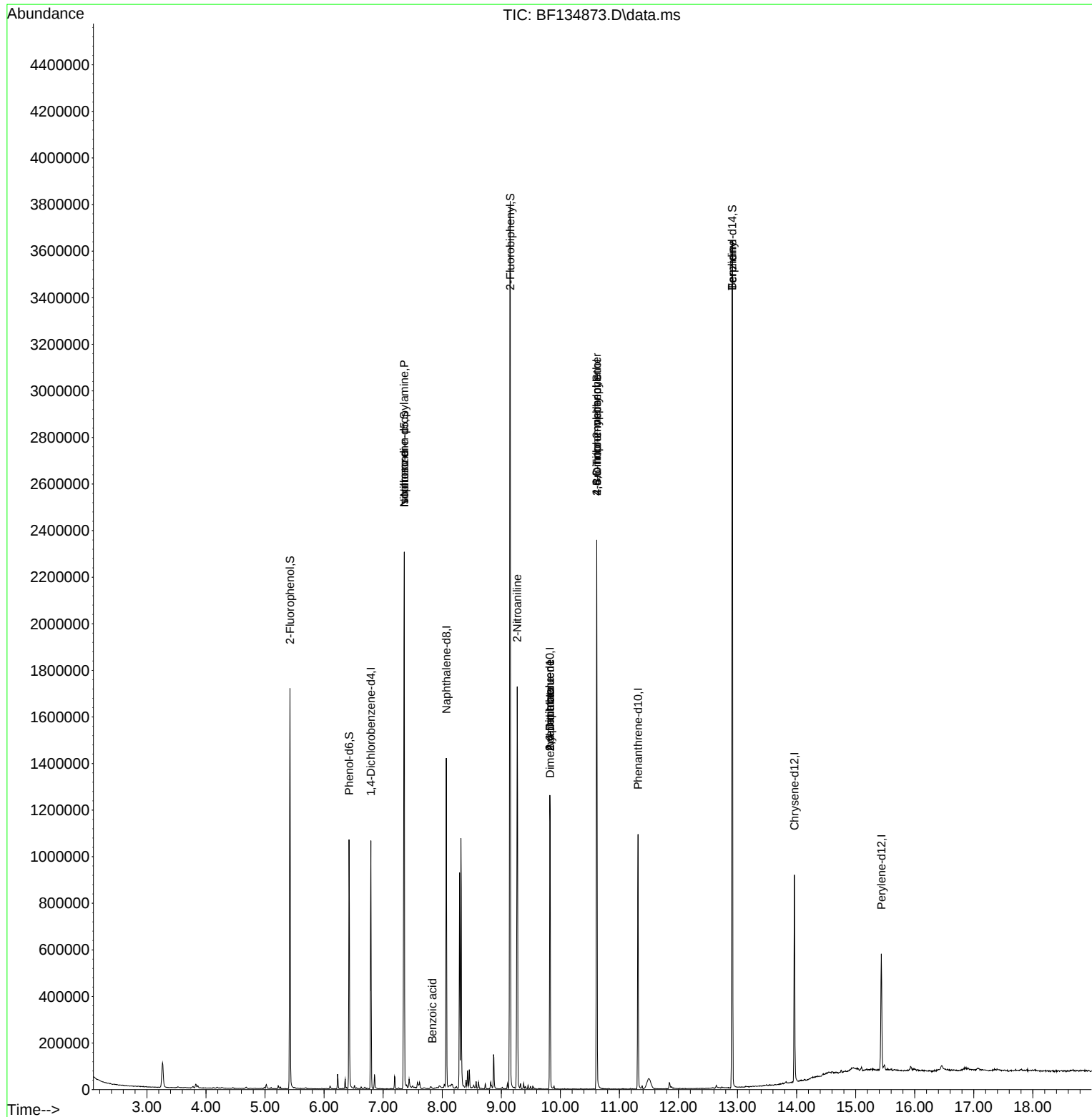
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	143116	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	551884	20.000	ng	#-0.01
39) Acenaphthene-d10	9.822	164	261375	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	388971	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	302215	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	238647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	434003	46.097	ng	0.00
7) Phenol-d6	6.422	99	331613	27.554	ng	-0.02
23) Nitrobenzene-d5	7.357	82	731774	82.863	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	287114	107.757	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1283394	81.641	ng	-0.01
79) Terphenyl-d14	12.910	244	1367312	79.757	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.422	77	579	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.357	70	99406	13.795	ng	# 71
25) Isophorone	7.357	82	724740	37.626	ng	# 65
32) Benzoic acid	7.834	122	57	7.876	ng	# 81
48) 2-Nitroaniline	9.269	65	17235	6.557	ng	# 17
50) Dimethylphthalate	9.828	163	53165	2.984	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	33333	11.153	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	33333	9.963	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.616	198	614	9.019	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	17633	4.141	ng	# 1
77) Benzidine	12.910	184	16526	2.519	ng	# 94

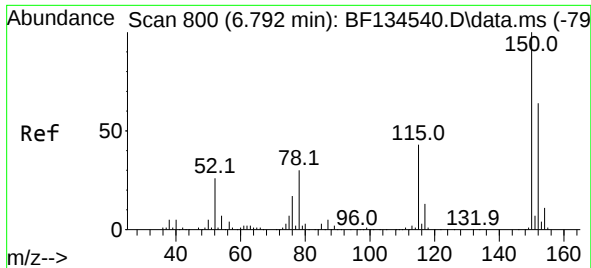
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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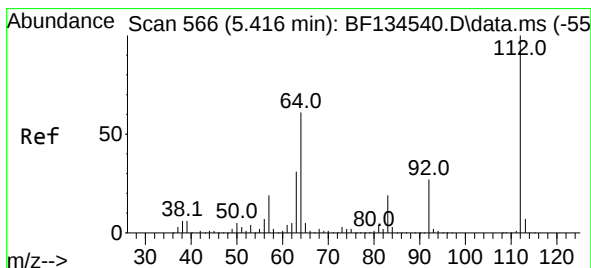
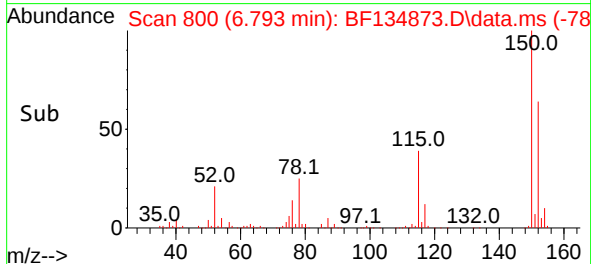
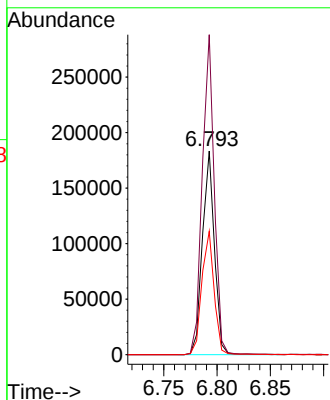
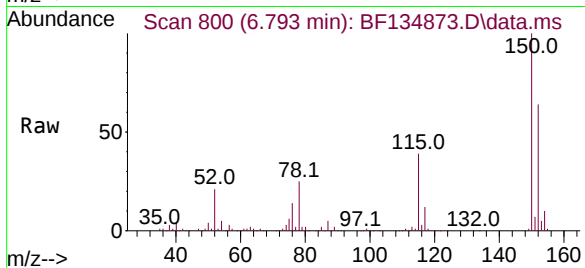




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.005 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

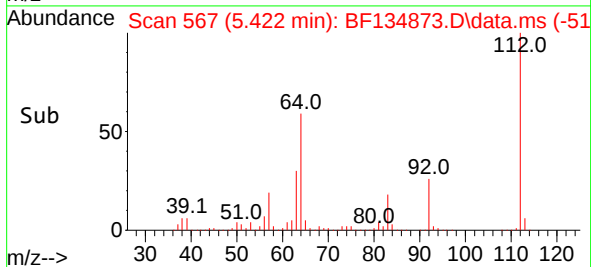
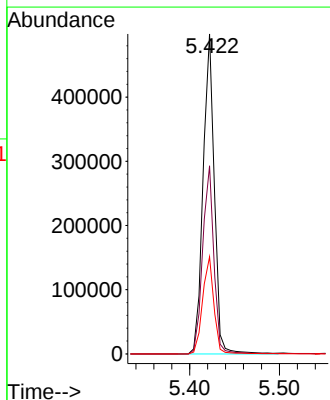
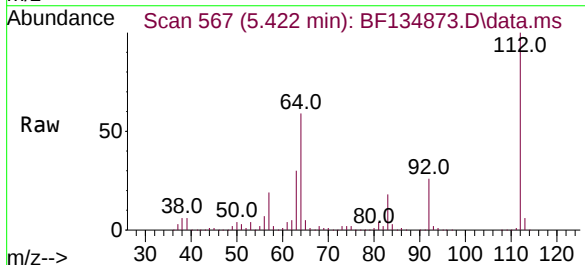
Instrument :
BNA_F
ClientSampleId :
FB04

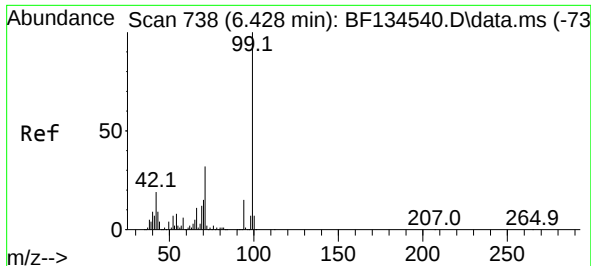
Tgt Ion:152 Resp: 143116
Ion Ratio Lower Upper
152 100
150 157.2 128.3 192.5
115 60.6 52.4 78.6



#5
2-Fluorophenol
Concen: 46.097 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

Tgt Ion:112 Resp: 434003
Ion Ratio Lower Upper
112 100
64 58.8 44.9 67.3
63 30.3 25.4 38.0

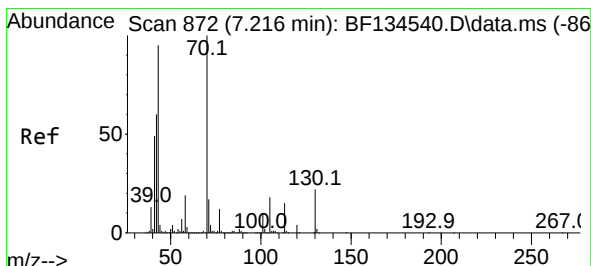
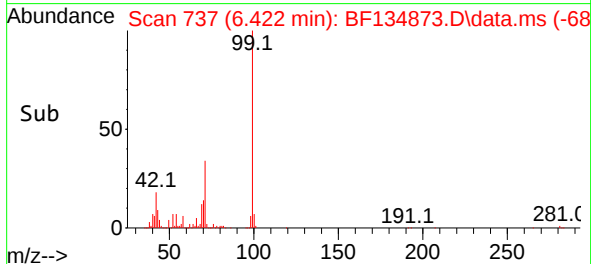
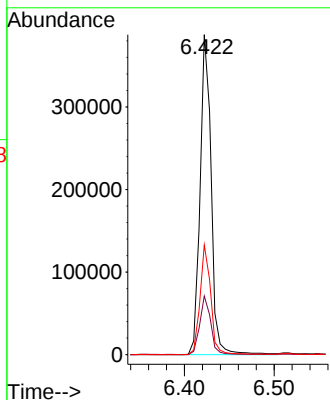
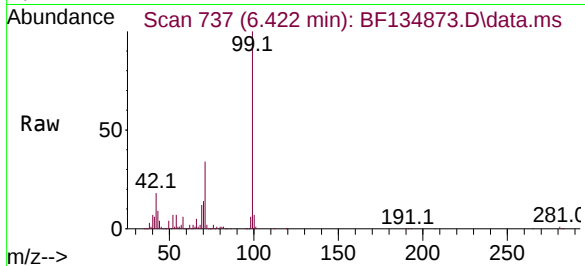




#7
Phenol-d6
Concen: 27.554 ng
RT: 6.422 min Scan# 738
Delta R.T. -0.017 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

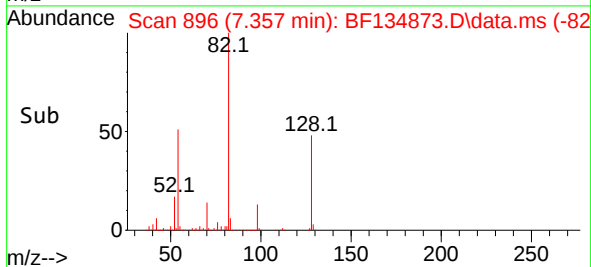
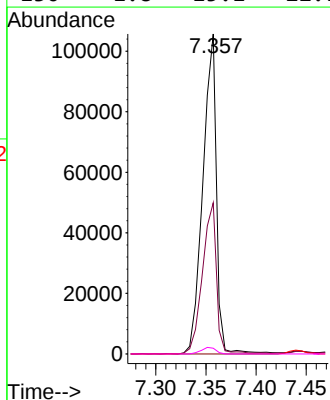
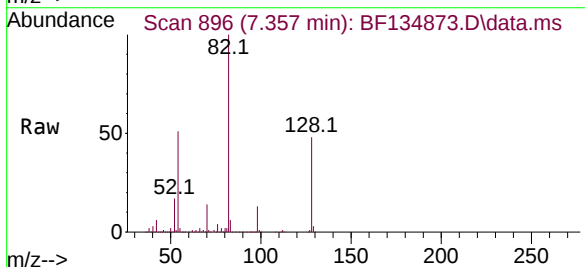
Instrument :
BNA_F
ClientSampleId :
FB04

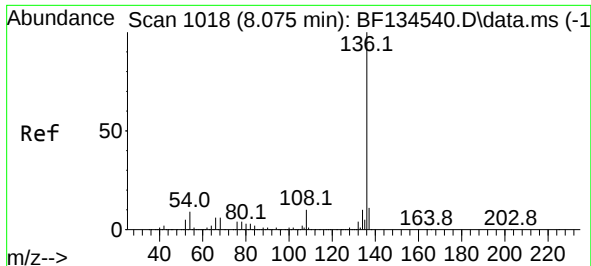
Tgt Ion: 99 Resp: 331613
Ion Ratio Lower Upper
99 100
42 18.3 18.7 28.1#
71 34.3 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 13.795 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

Tgt Ion: 70 Resp: 99406
Ion Ratio Lower Upper
70 100
42 47.2 54.7 82.1#
101 0.0 8.2 12.2#
130 1.8 15.1 22.7#

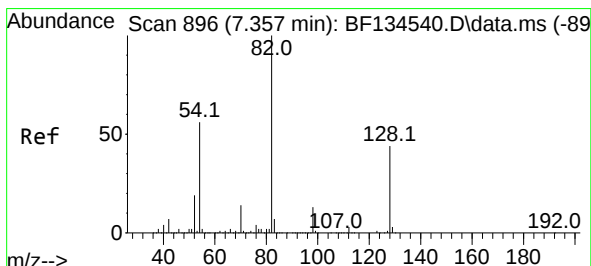
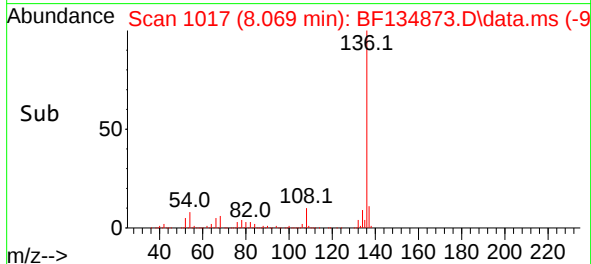
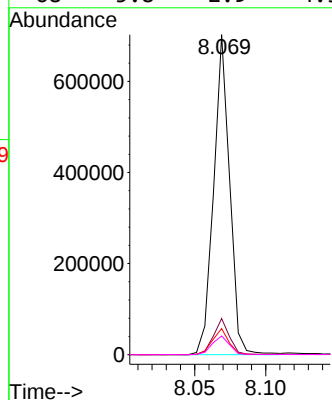
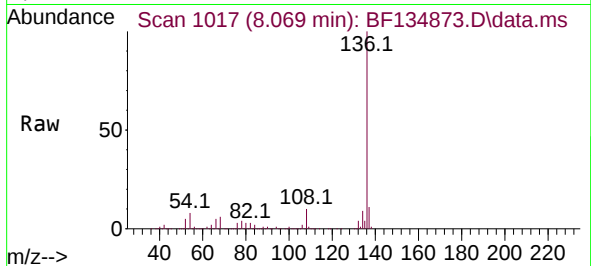




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

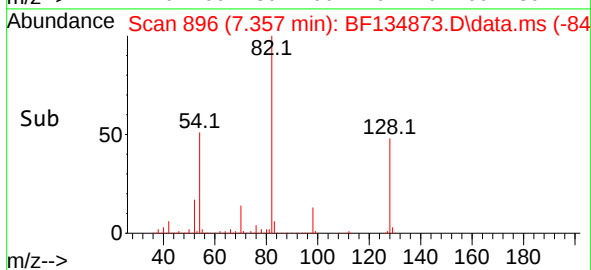
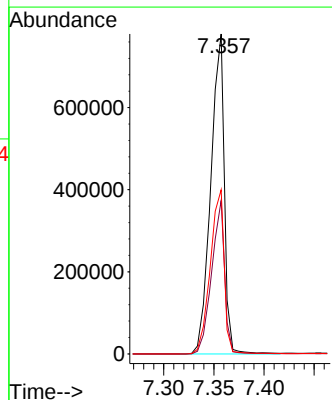
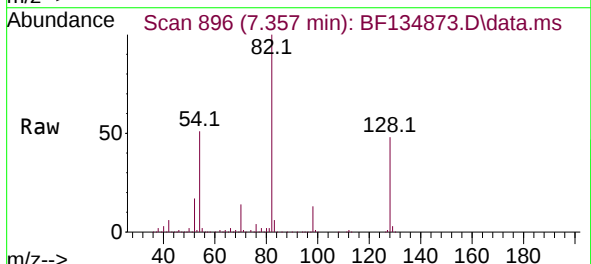
Instrument :
BNA_F
ClientSampleId :
FB04

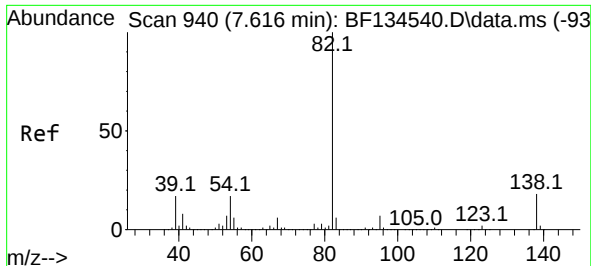
Tgt Ion:136	Resp: 551884
Ion Ratio	Lower Upper
136	100
137	11.3 8.4 12.6
54	8.1 5.2 7.8#
68	5.8 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 82.863 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

Tgt Ion: 82	Resp: 731774
Ion Ratio	Lower Upper
82	100
128	47.9 34.3 51.5
54	51.3 43.8 65.6

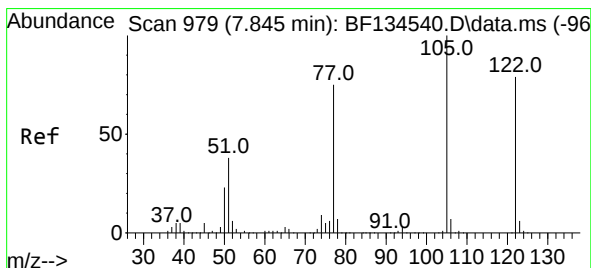
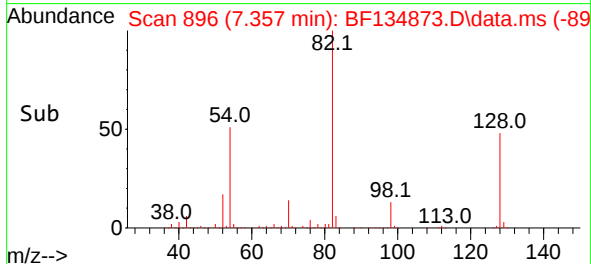
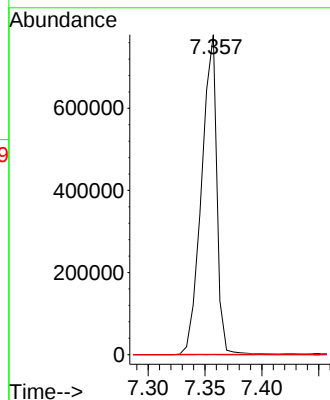
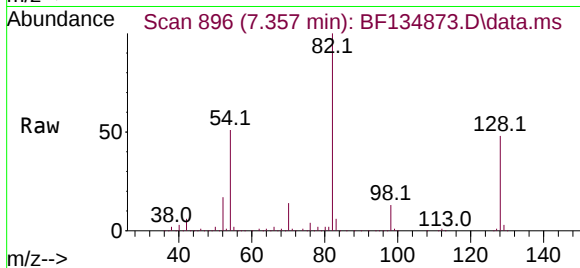




#25
Isophorone
Concen: 37.626 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

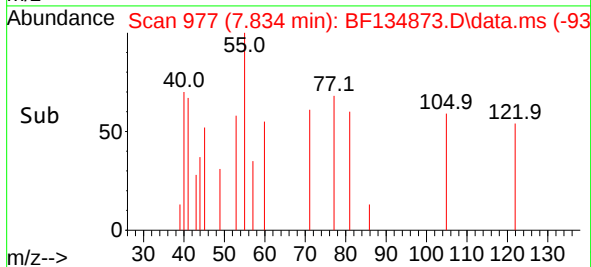
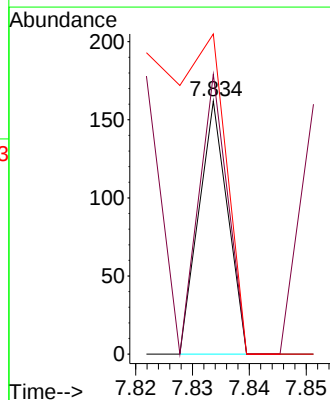
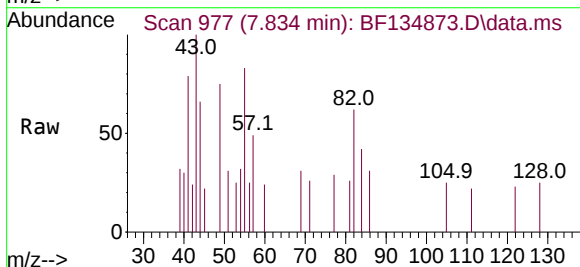
Instrument :
BNA_F
ClientSampleId :
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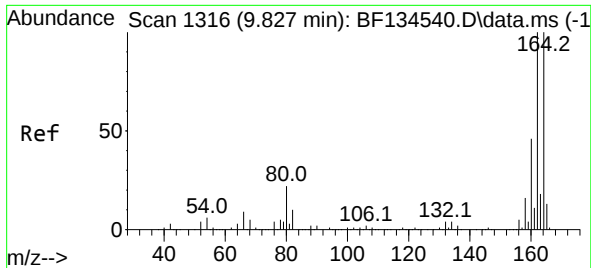
Tgt Ion: 82 Resp: 724740
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.876 ng
RT: 7.834 min Scan# 977
Delta R.T. -0.029 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

Tgt Ion: 122 Resp: 57
Ion Ratio Lower Upper
122 100
105 110.5 87.5 127.5
77 126.5 71.4 111.4#

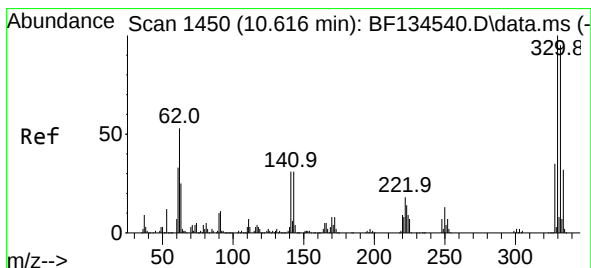
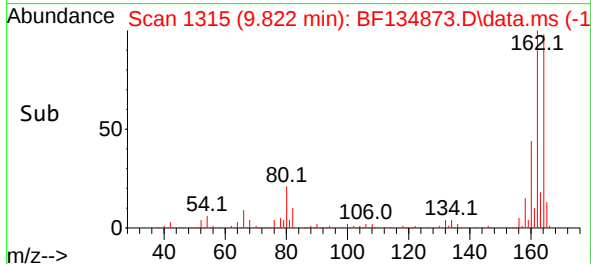
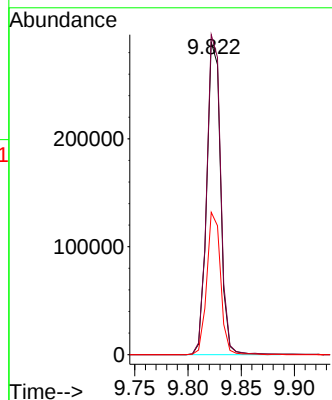
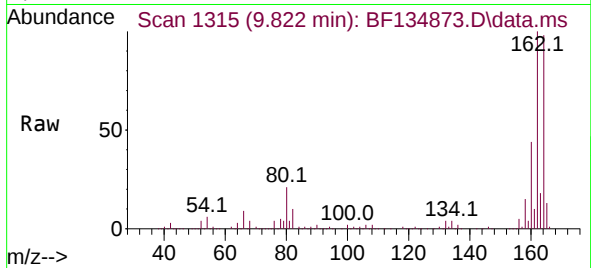




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

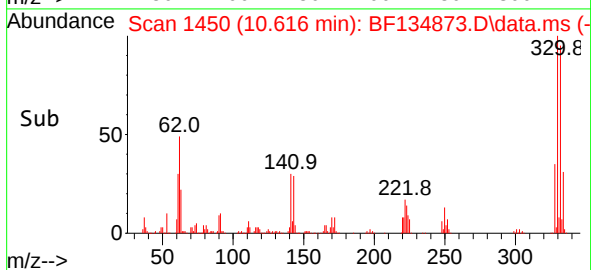
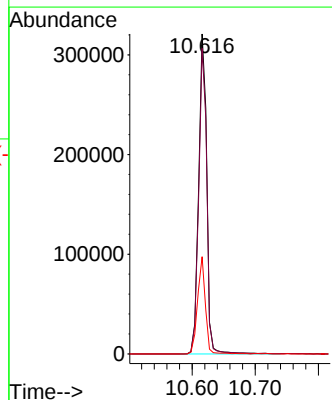
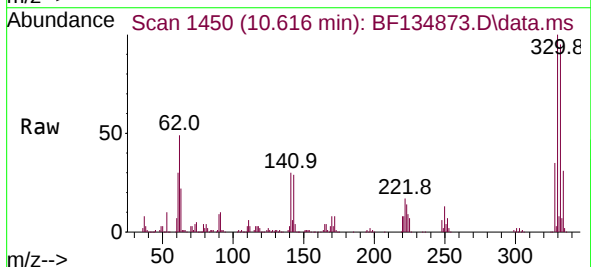
Instrument :
BNA_F
ClientSampleId :
FB04

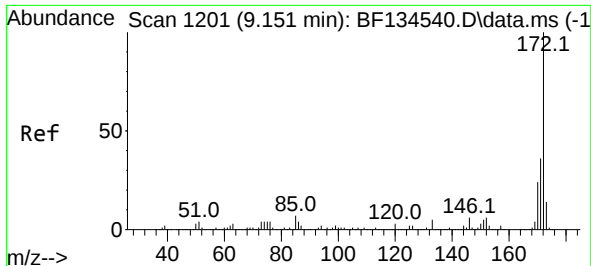
Tgt Ion:164 Resp: 261375
Ion Ratio Lower Upper
164 100
162 102.4 82.6 123.8
160 45.5 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 107.757 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

Tgt Ion:330 Resp: 287114
Ion Ratio Lower Upper
330 100
332 95.0 78.8 118.2
141 29.2 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 81.641 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134873.D

Acq: 21 Aug 2023 18:10

Instrument :

BNA_F

ClientSampleId :

FB04

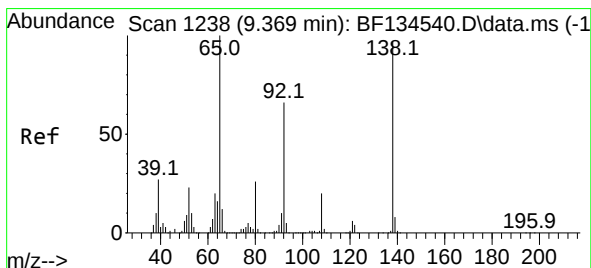
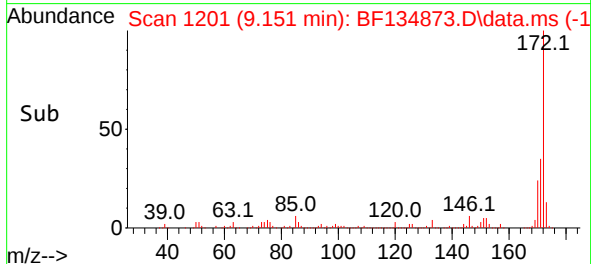
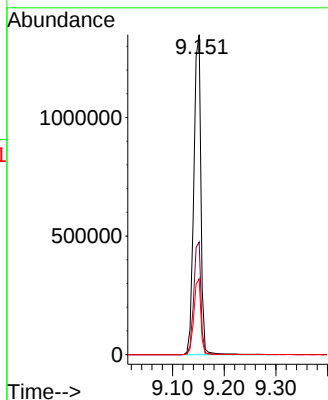
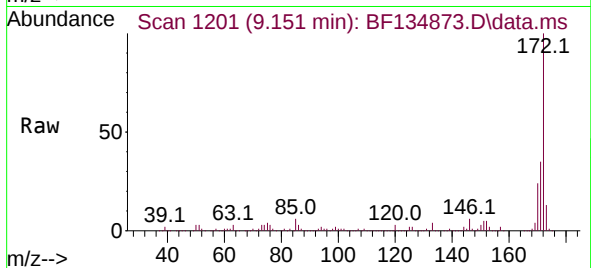
Tgt Ion:172 Resp: 1283394

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.7 18.7 28.1



#48

2-Nitroaniline

Concen: 6.557 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.112 min

Lab File: BF134873.D

Acq: 21 Aug 2023 18:10

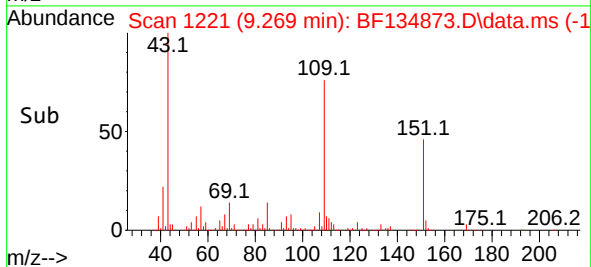
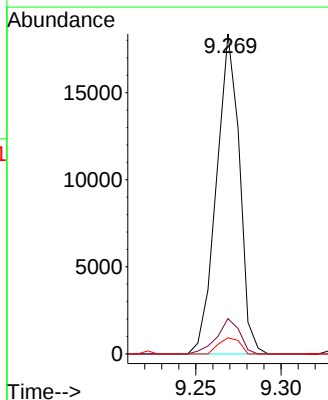
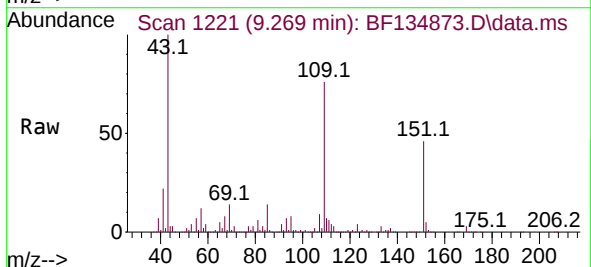
Tgt Ion: 65 Resp: 17235

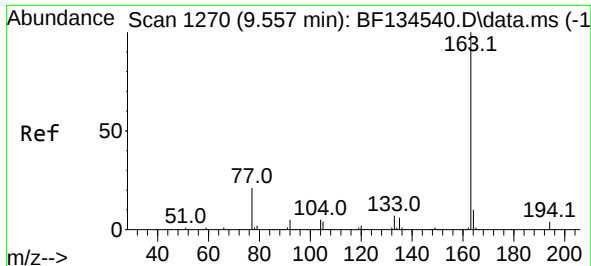
Ion Ratio Lower Upper

65 100

92 11.0 50.7 76.1#

138 5.0 78.2 117.4#

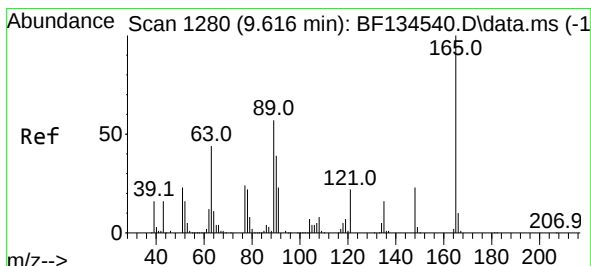
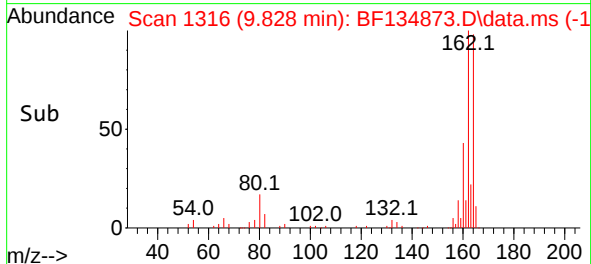
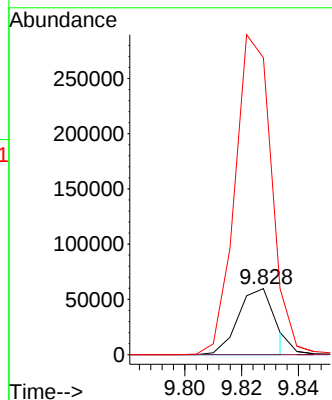
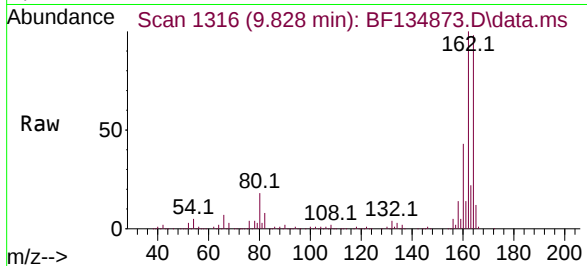




#50
Dimethylphthalate
Concen: 2.984 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

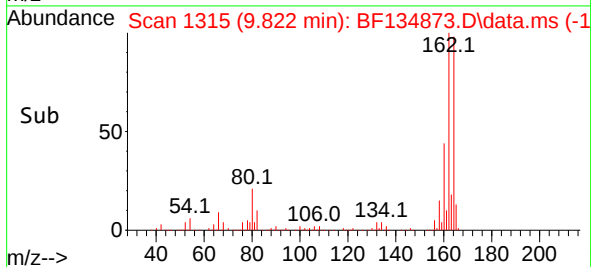
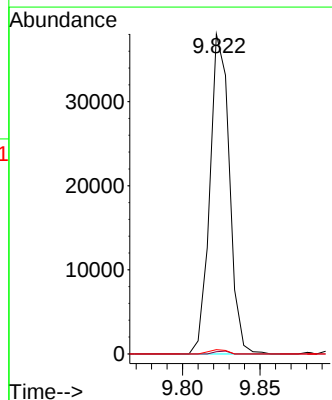
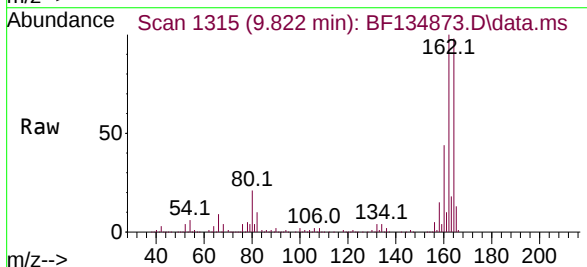
Instrument :
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FB04

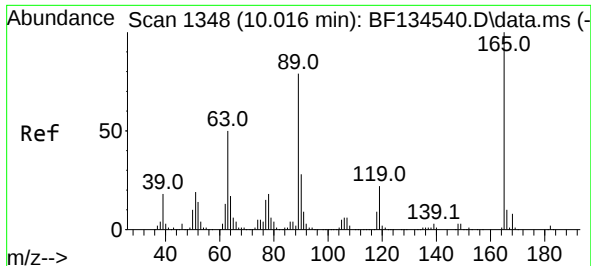
Tgt Ion:163 Resp: 53165
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 449.7 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.153 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.194 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

Tgt Ion:165 Resp: 33333
Ion Ratio Lower Upper
165 100
63 0.7 57.8 86.6#
89 1.3 51.8 77.8#

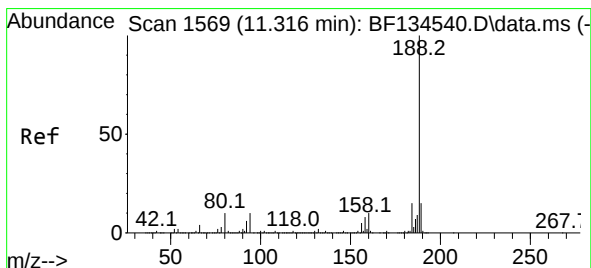
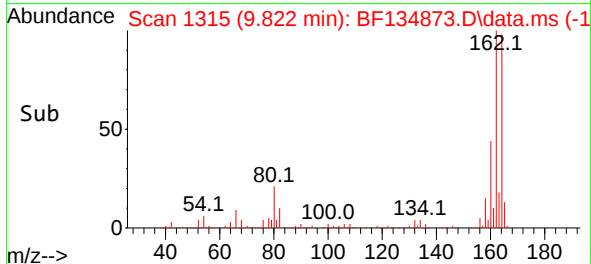
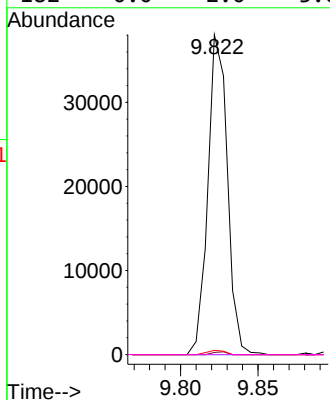
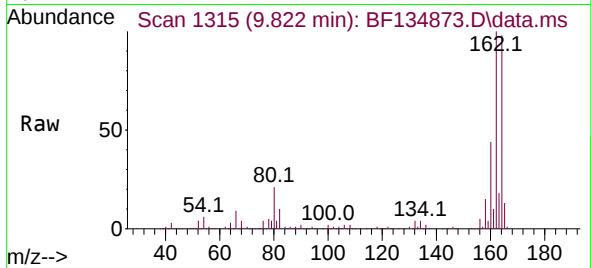




#57
2,4-Dinitrotoluene
Concen: 9.963 ng
RT: 9.822 min Scan# 1348
Delta R.T. -0.206 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

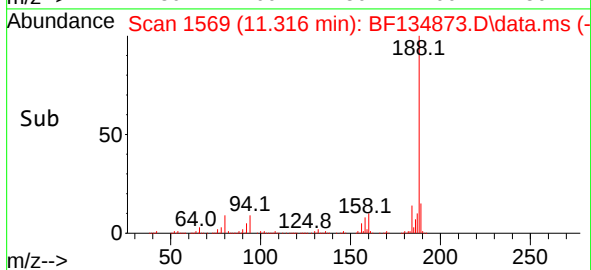
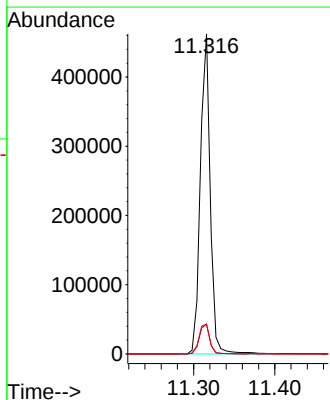
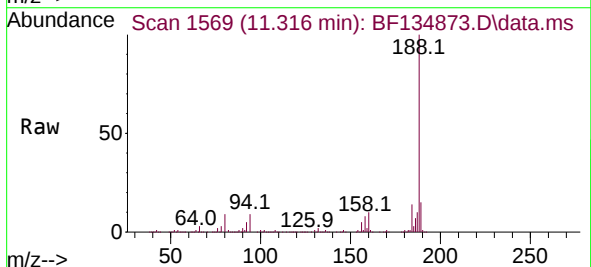
Instrument :
BNA_F
ClientSampleId :
FB04

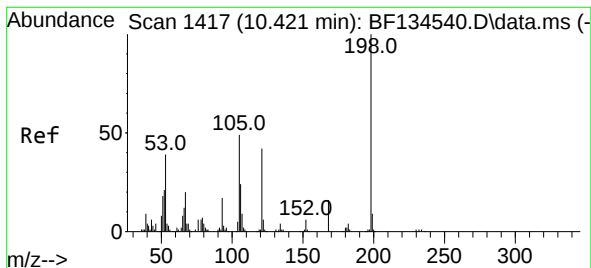
Tgt Ion:165	Resp:	33333
Ion Ratio	Lower	Upper
165	100	
63	0.7	48.9 73.3#
89	1.3	61.7 92.5#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

Tgt Ion:188	Resp:	388971
Ion Ratio	Lower	Upper
188	100	
94	9.3	5.1 7.7#
80	9.3	6.6 9.8

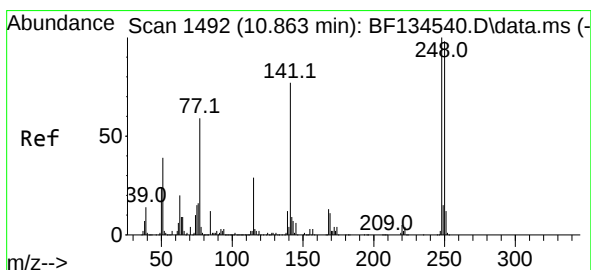
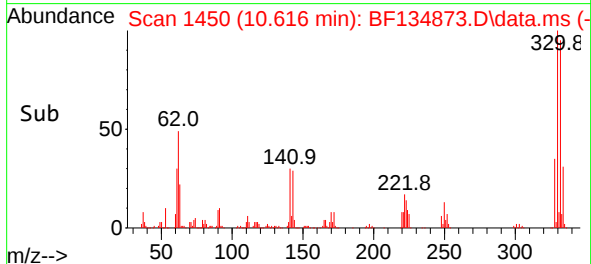
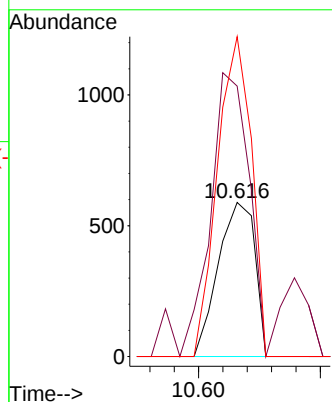
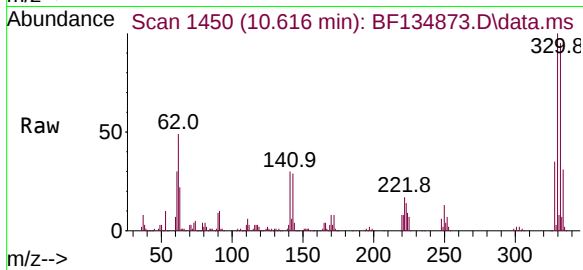




#65
4,6-Dinitro-2-methylphenol
Concen: 9.019 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.177 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

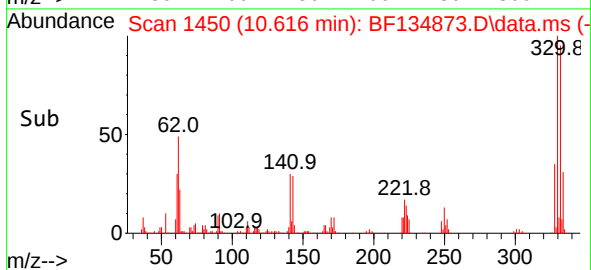
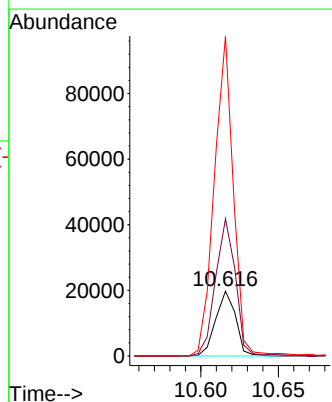
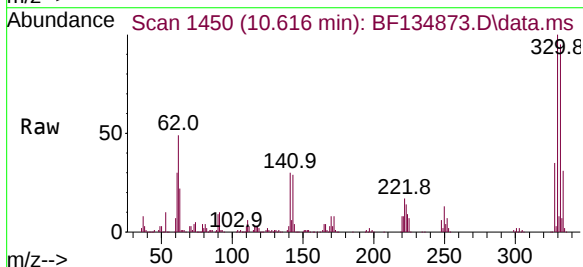
Instrument :
BNA_F
ClientSampleId :
FB04

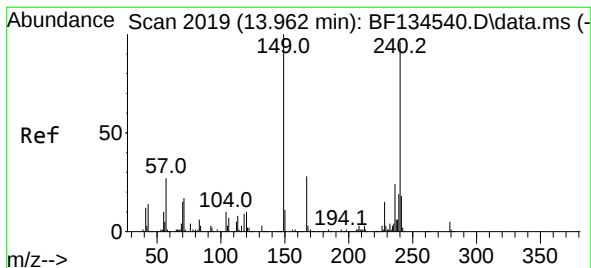
Tgt Ion:198 Resp: 614
Ion Ratio Lower Upper
198 100
51 175.6 38.6 78.6#
105 207.6 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 4.141 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF134873.D
Acq: 21 Aug 2023 18:10

Tgt Ion:248 Resp: 17633
Ion Ratio Lower Upper
248 100
250 211.7 79.6 119.4#
141 494.4 59.6 89.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134873.D

Acq: 21 Aug 2023 18:10

Instrument :

BNA_F

ClientSampleId :

FB04

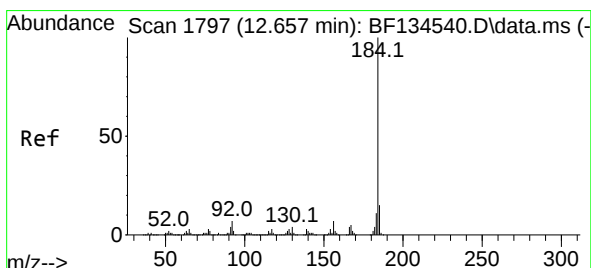
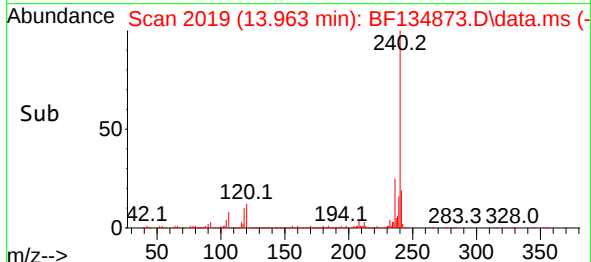
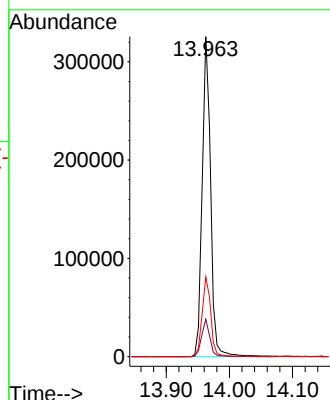
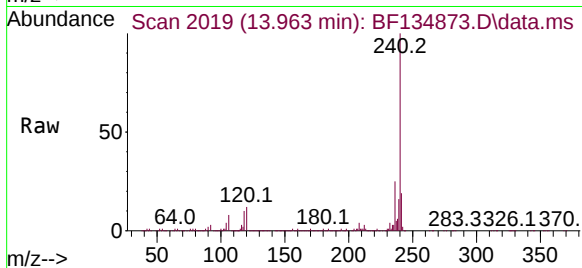
Tgt Ion:240 Resp: 302215

Ion Ratio Lower Upper

240 100

120 11.7 6.6 10.0#

236 24.9 20.2 30.2



#77

Benzidine

Concen: 2.519 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.247 min

Lab File: BF134873.D

Acq: 21 Aug 2023 18:10

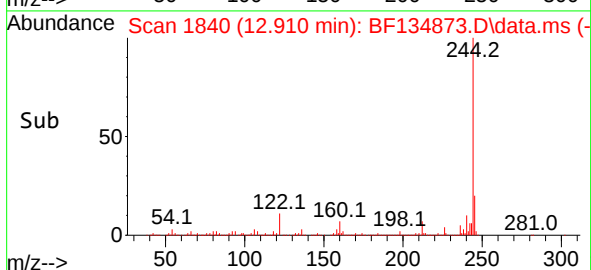
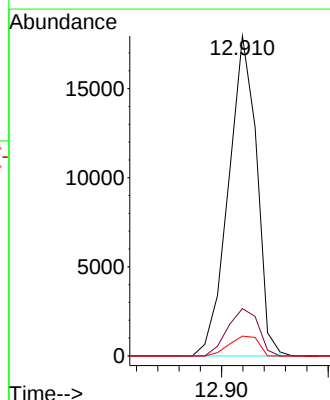
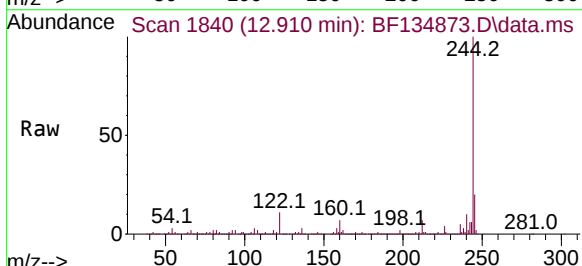
Tgt Ion:184 Resp: 16526

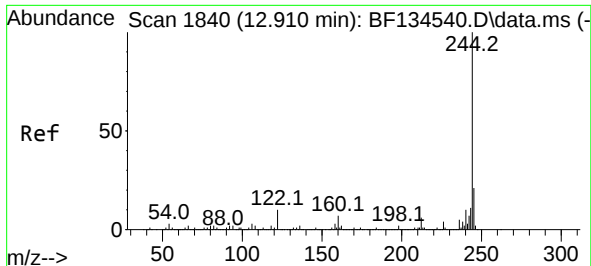
Ion Ratio Lower Upper

184 100

185 14.8 11.2 16.8

183 6.2 8.6 13.0#

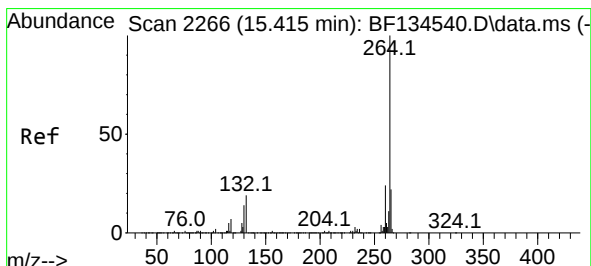
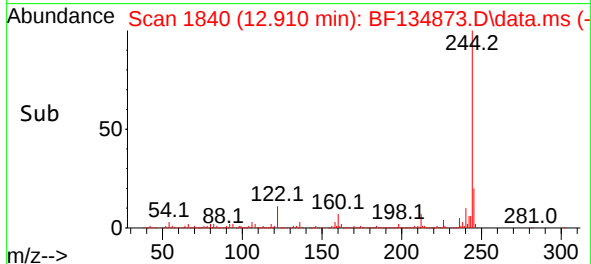
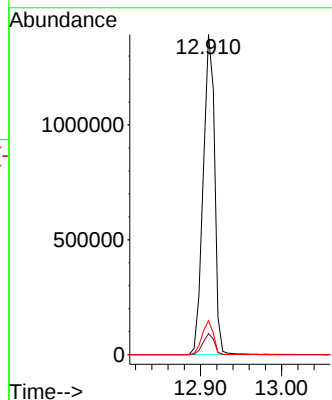
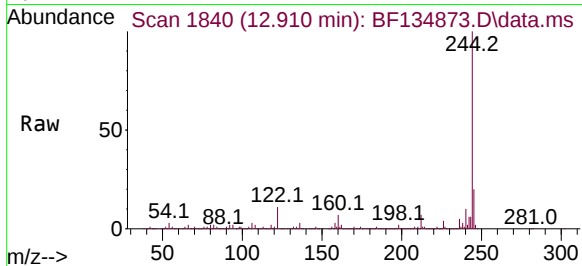




#79
 Terphenyl-d14
 Concen: 79.757 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134873.D
 Acq: 21 Aug 2023 18:10

Instrument :
 BNA_F
 ClientSampleId :
 FB04

Tgt Ion:244 Resp: 1367312
 Ion Ratio Lower Upper
 244 100
 212 6.6 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: BF134873.D
 Acq: 21 Aug 2023 18:10

Tgt Ion:264 Resp: 238647
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.4 27.6
 265 21.8 15.8 23.8

