

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134111.D
 Acq On : 06 Jul 2023 23:03
 Operator : CG\JU
 Sample : 03482-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-TP1

Quant Time: Jul 07 01:33:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

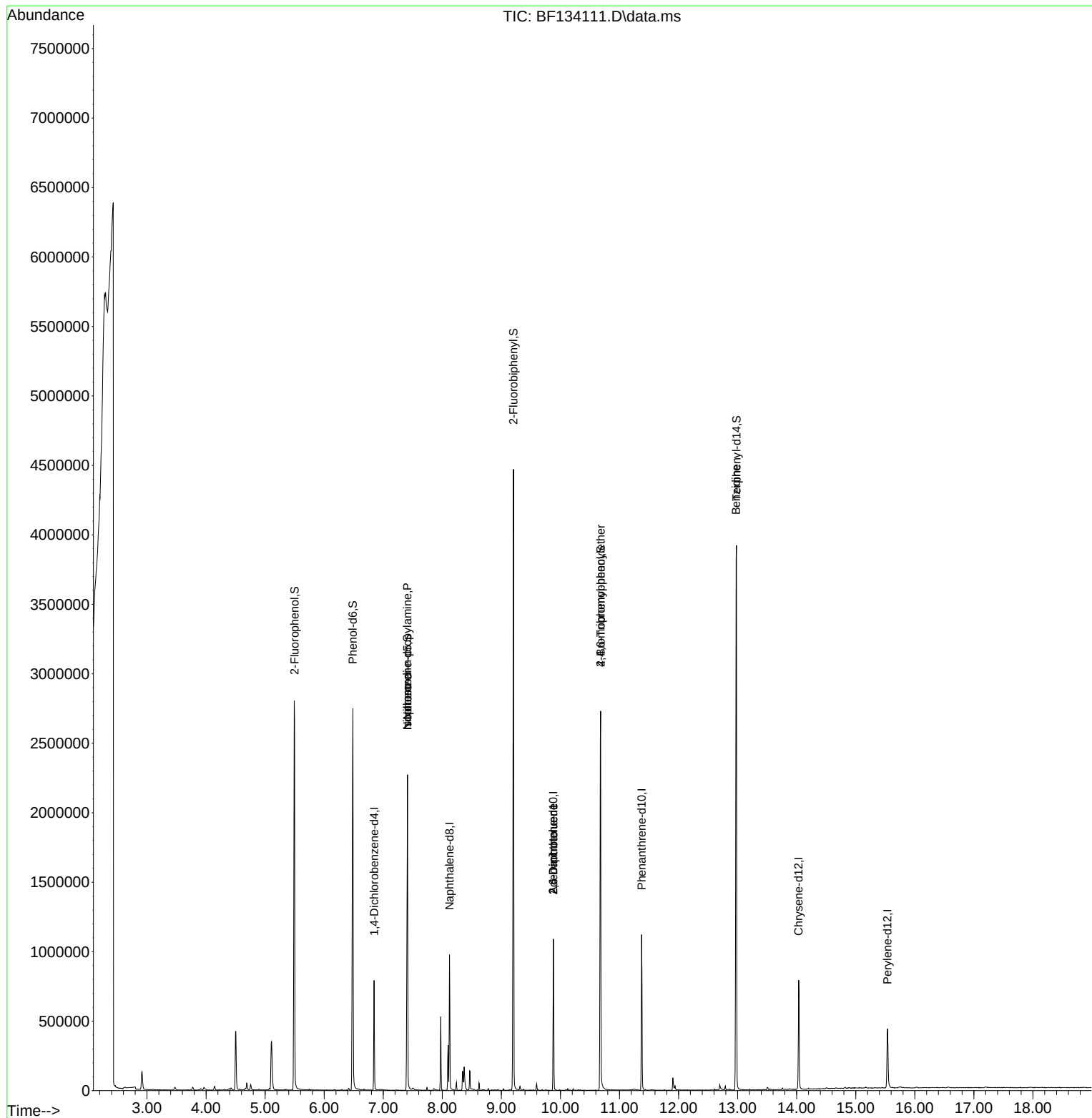
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	104400	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	391811	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	201170	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	410958	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	280214	20.000	ng	-0.02
86) Perylene-d12	15.539	264	225124	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	800684	128.291	ng	0.01
7) Phenol-d6	6.487	99	915708	119.305	ng	0.00
23) Nitrobenzene-d5	7.410	82	709805	97.655	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	363344	144.054	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1283631	92.770	ng	0.00
79) Terphenyl-d14	12.980	244	1576727	90.560	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.487	77	1636	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	98449	20.226	ng	# 78
25) Isophorone	7.410	82	709800	53.732	ng	# 64
51) 2,6-Dinitrotoluene	9.881	165	26292	8.359	ng	# 24
57) 2,4-Dinitrotoluene	9.881	165	26292	6.330	ng	# 23
67) 4-Bromophenyl-phenylether	10.680	248	22577	5.169	ng	# 1
77) Benzydine	12.974	184	22138	3.320	ng	# 94

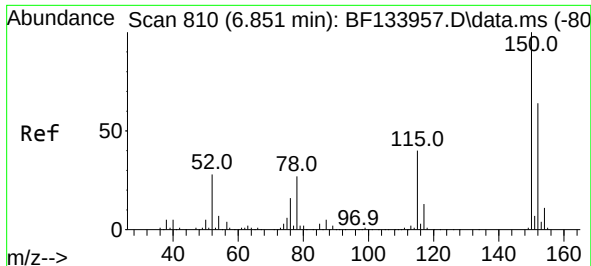
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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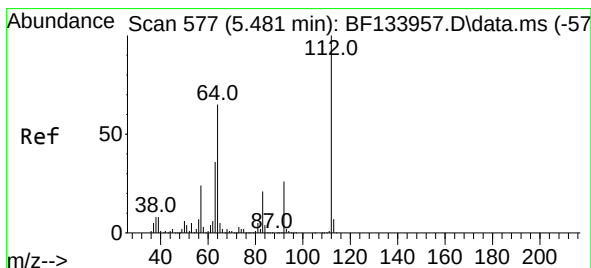
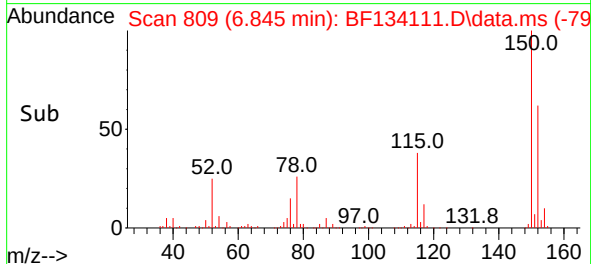
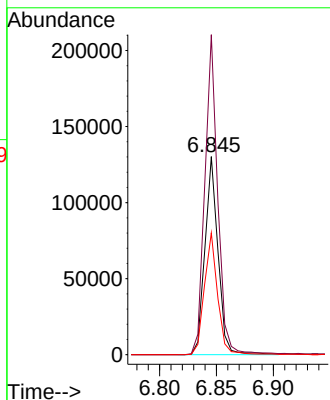
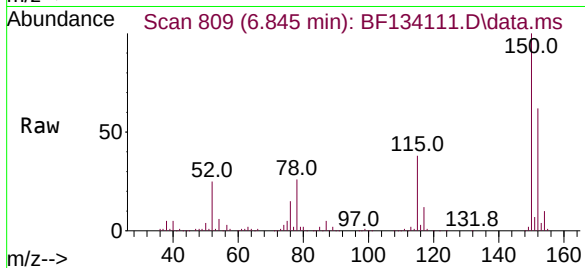




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

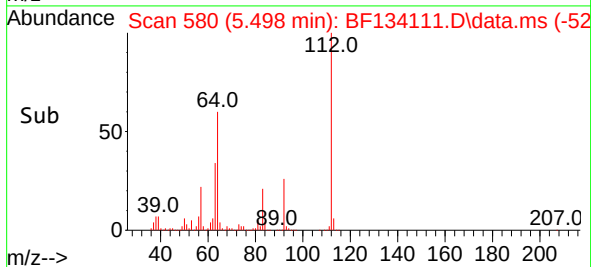
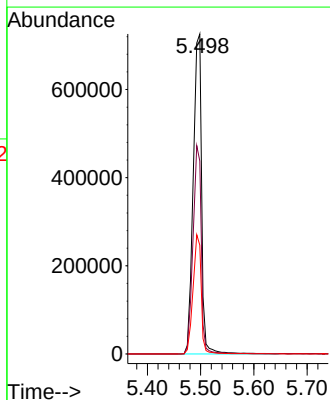
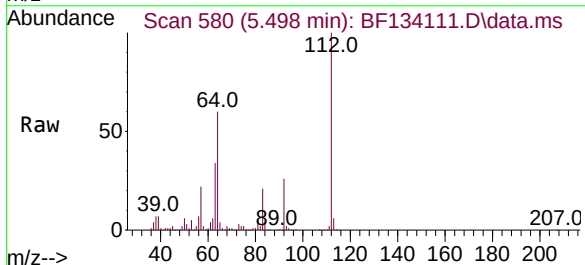
Instrument :
BNA_F
ClientSampleId :
TB-TP1

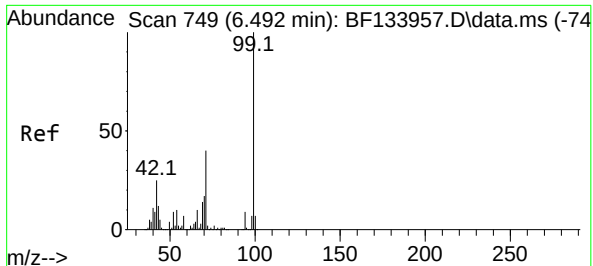
Tgt Ion:152 Resp: 104400
Ion Ratio Lower Upper
152 100
150 161.5 124.5 186.7
115 61.4 50.2 75.2



#5
2-Fluorophenol
Concen: 128.291 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

Tgt Ion:112 Resp: 800684
Ion Ratio Lower Upper
112 100
64 60.3 52.1 78.1
63 34.0 28.6 42.8

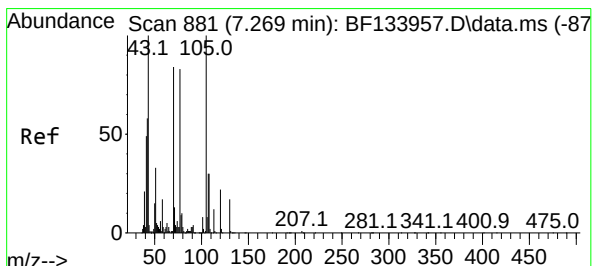
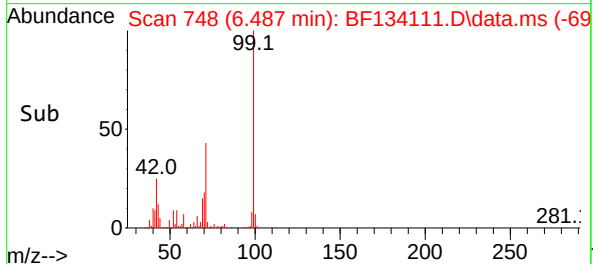
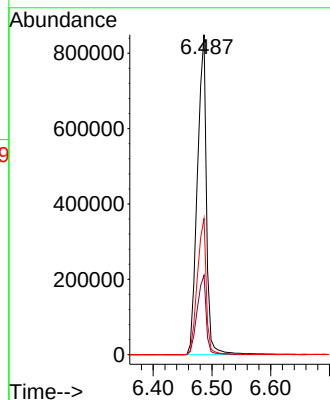
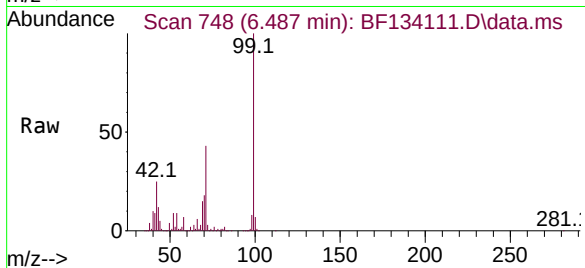




#7
Phenol-d6
Concen: 119.305 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

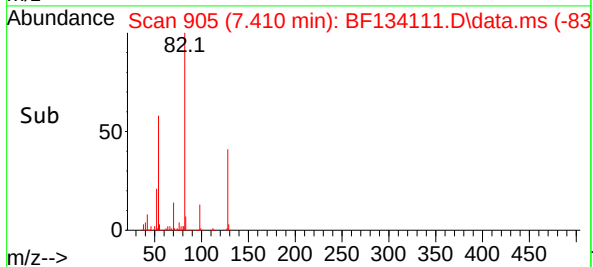
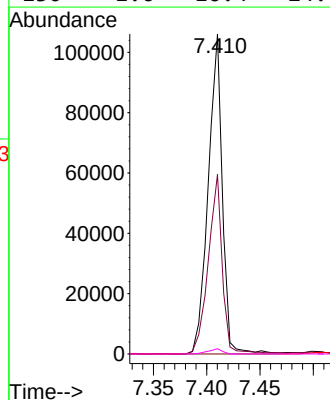
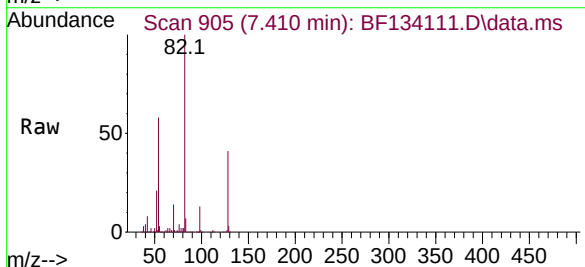
Instrument :
BNA_F
ClientSampleId :
TB-TP1

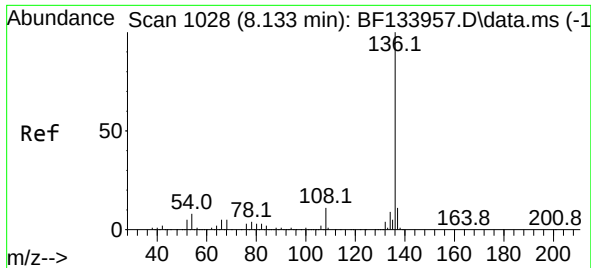
Tgt Ion: 99 Resp: 915708
Ion Ratio Lower Upper
99 100
42 24.9 19.8 29.6
71 42.6 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 20.226 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

Tgt Ion: 70 Resp: 98449
Ion Ratio Lower Upper
70 100
42 56.1 54.7 82.1
101 0.0 7.7 11.5#
130 1.6 16.4 24.6#



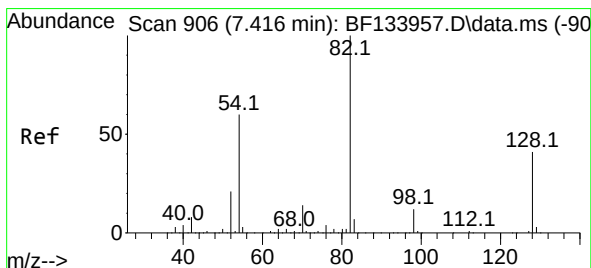
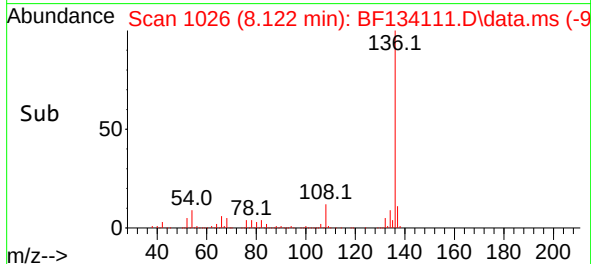
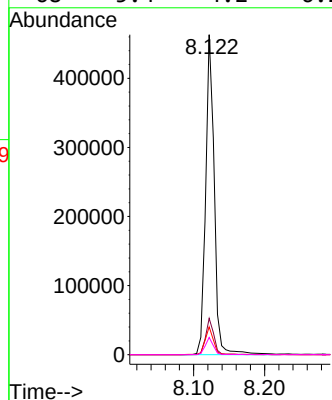
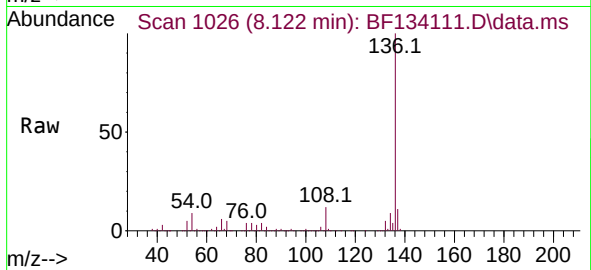


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

Instrument :
BNA_F
ClientSampleId :
TB-TP1

Tgt Ion:136 Resp: 391811

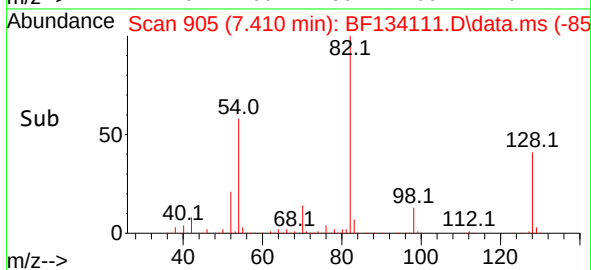
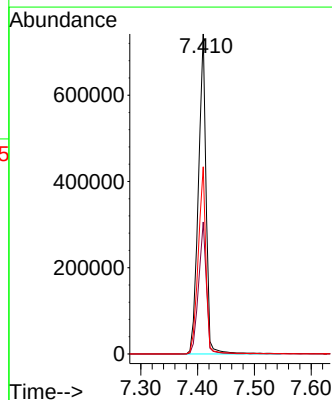
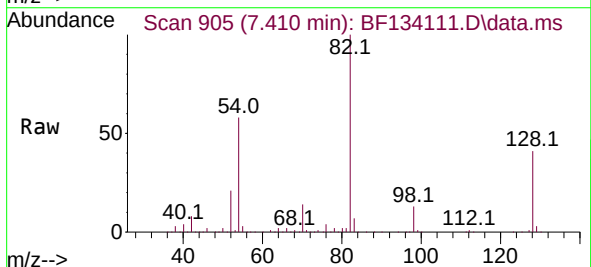
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	8.7	6.5	9.7
68	5.4	4.2	6.2

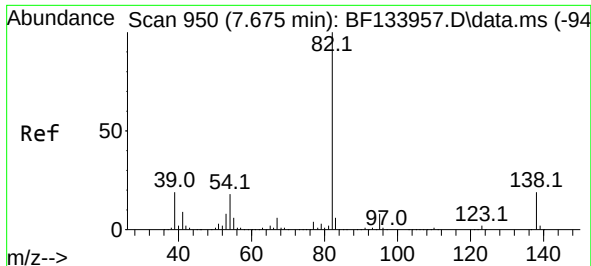


#23
Nitrobenzene-d5
Concen: 97.655 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

Tgt Ion: 82 Resp: 709805

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.5	48.7
54	58.5	48.2	72.2

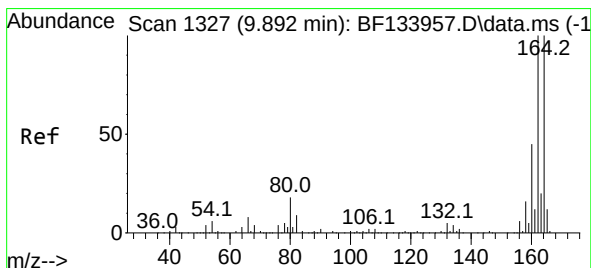
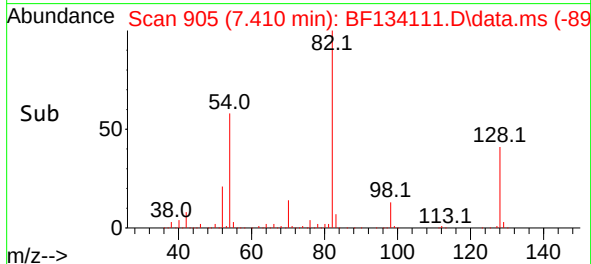
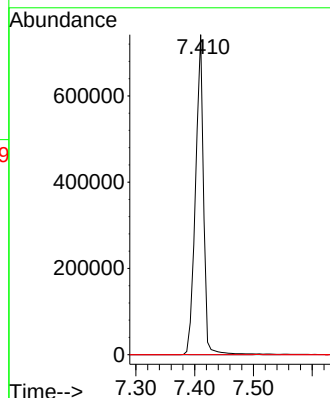
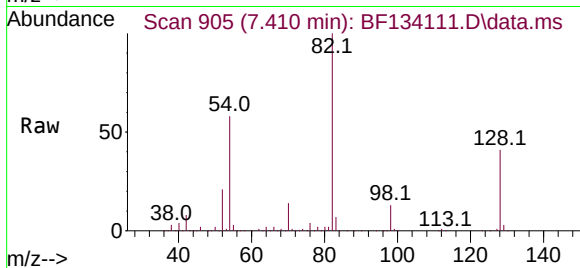




#25
Isophorone
Concen: 53.732 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

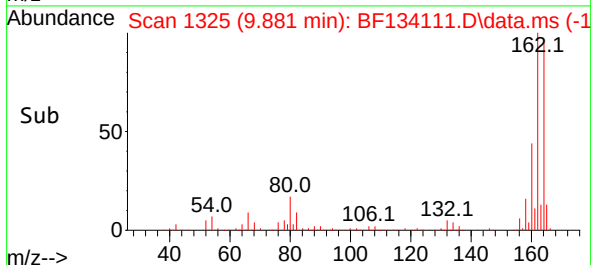
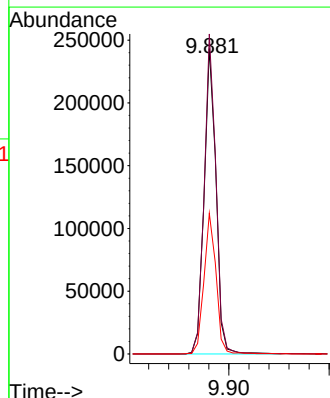
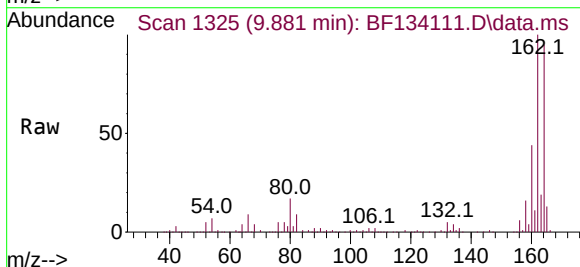
Instrument :
BNA_F
ClientSampleId :
TB-TP1

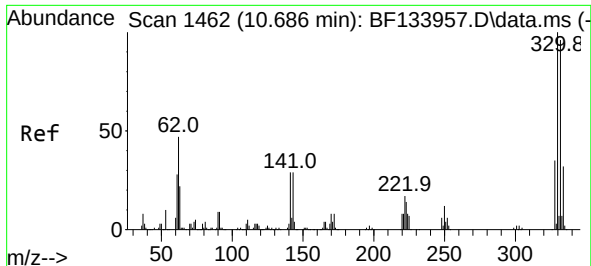
Tgt Ion: 82 Resp: 709800
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

Tgt Ion: 164 Resp: 201170
Ion Ratio Lower Upper
164 100
162 104.8 80.0 120.0
160 46.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 144.054 ng

RT: 10.680 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF134111.D

Acq: 06 Jul 2023 23:03

Instrument :

BNA_F

ClientSampleId :

TB-TP1

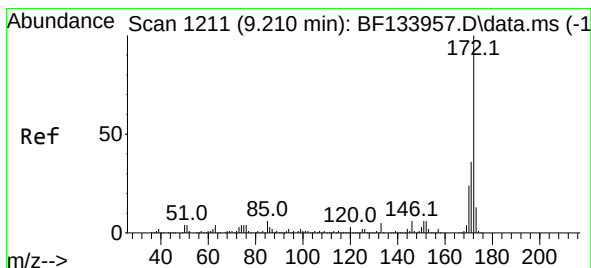
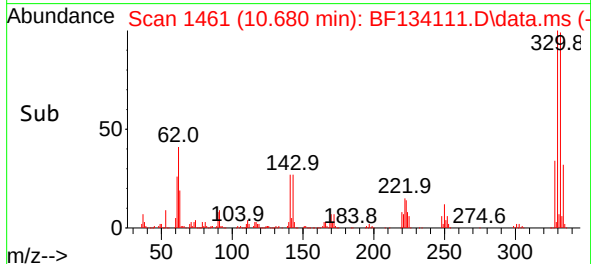
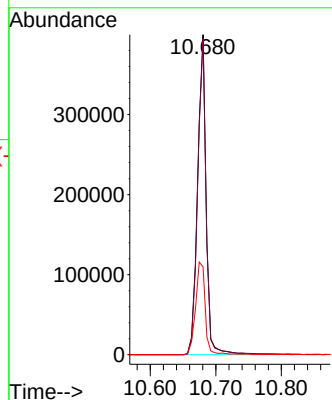
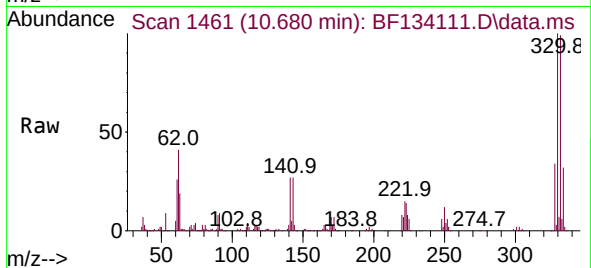
Tgt Ion:330 Resp: 363344

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

141 32.9 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 92.770 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134111.D

Acq: 06 Jul 2023 23:03

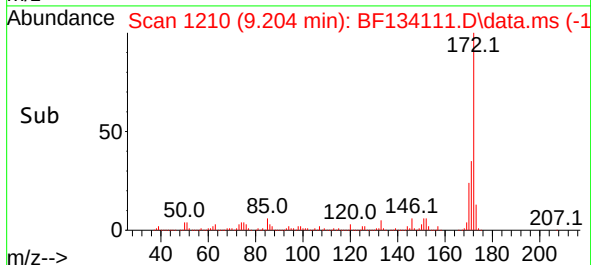
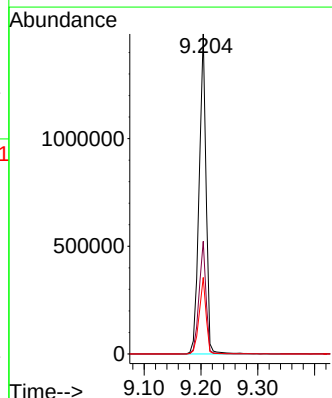
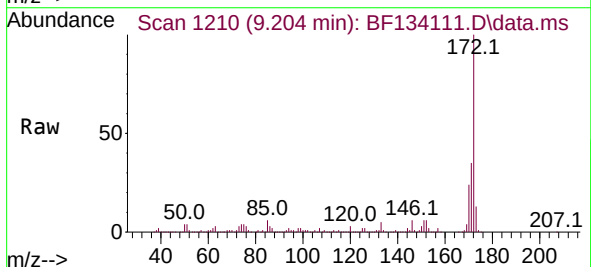
Tgt Ion:172 Resp: 1283631

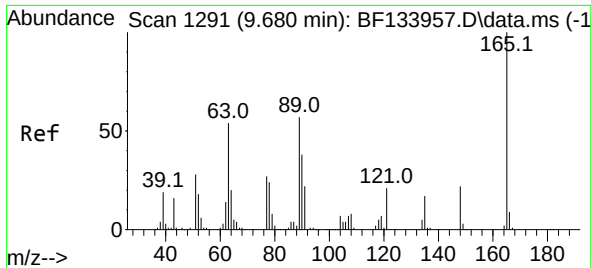
Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.9 19.4 29.0

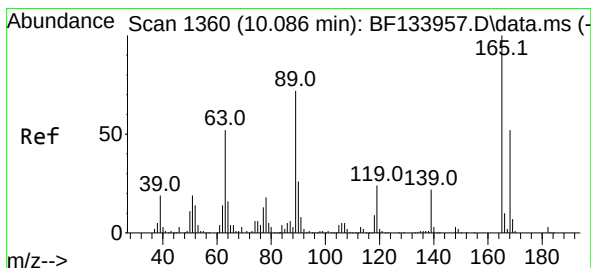
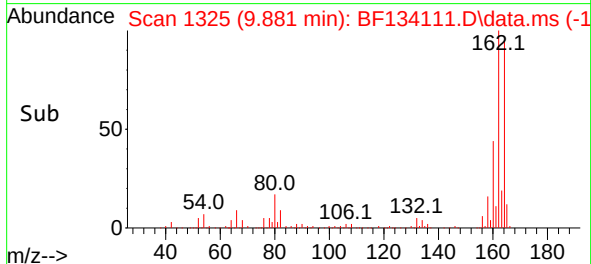
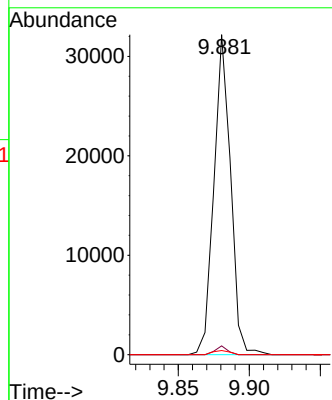
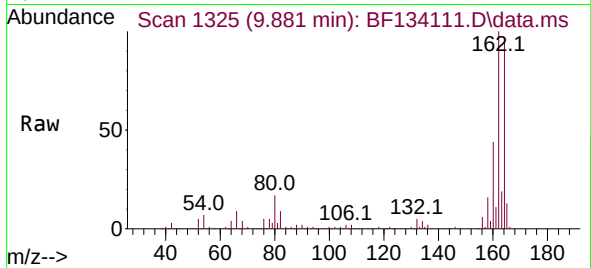




#51
2,6-Dinitrotoluene
Concen: 8.359 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

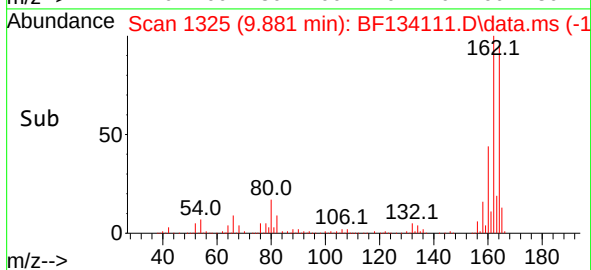
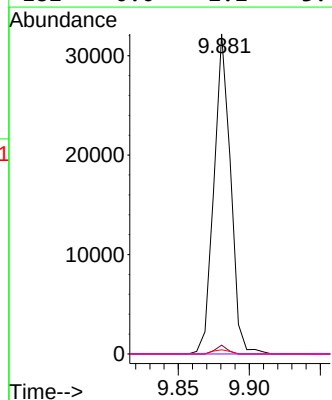
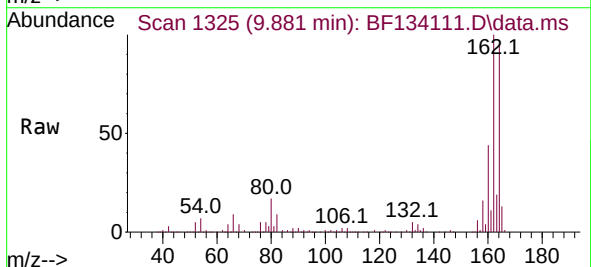
Instrument :
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TB-TP1

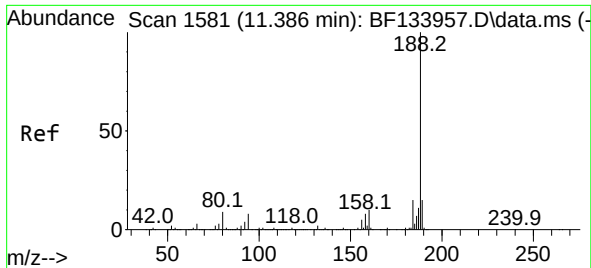
Tgt Ion:165 Resp: 26292
Ion Ratio Lower Upper
165 100
63 2.8 48.5 72.7#
89 1.3 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.330 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

Tgt Ion:165 Resp: 26292
Ion Ratio Lower Upper
165 100
63 2.8 42.2 63.2#
89 1.3 57.4 86.2#
182 0.0 2.2 3.4#

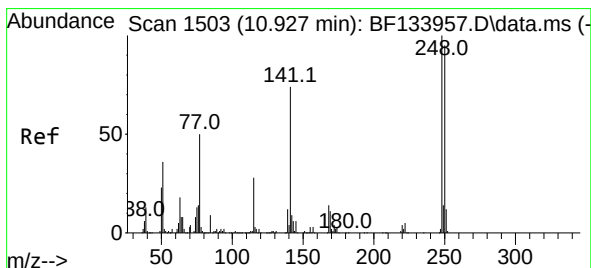
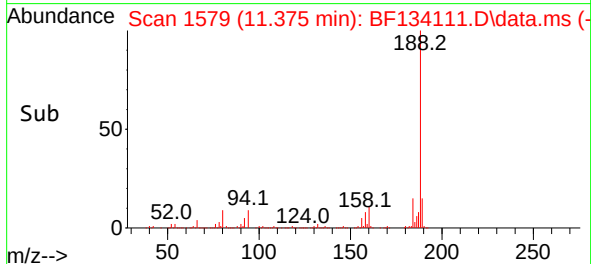
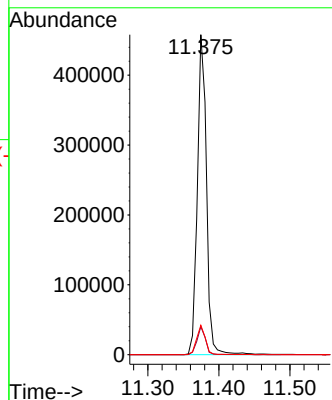
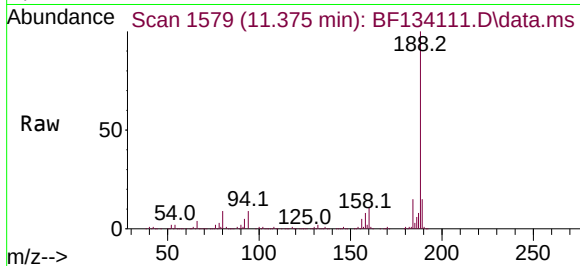




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

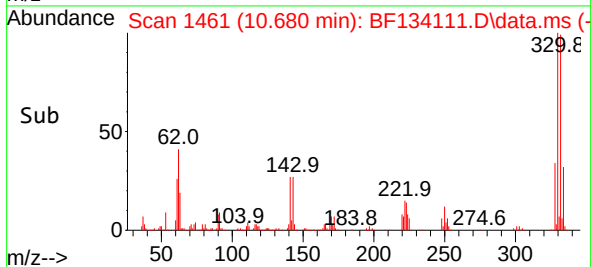
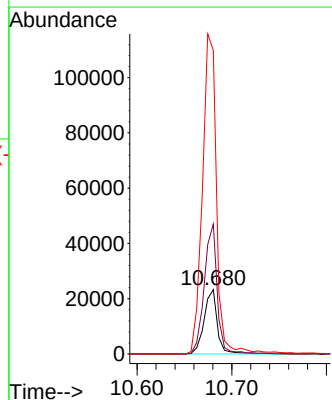
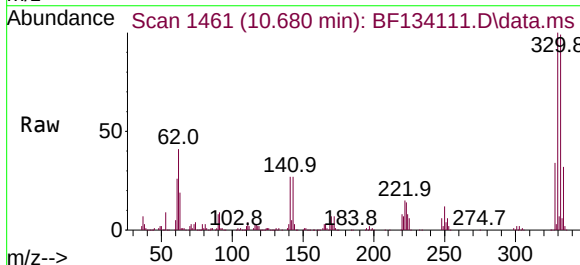
Instrument :
BNA_F
ClientSampleId :
TB-TP1

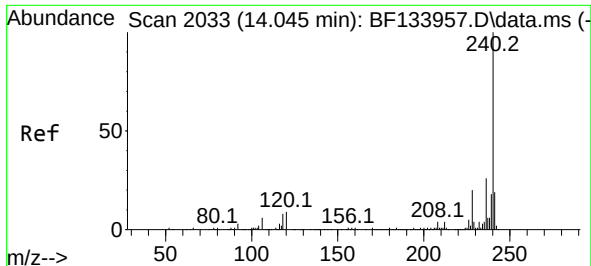
Tgt Ion:188 Resp: 410958
Ion Ratio Lower Upper
188 100
94 8.8 6.4 9.6
80 9.2 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 5.169 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

Tgt Ion:248 Resp: 22577
Ion Ratio Lower Upper
248 100
250 202.3 76.2 114.4#
141 472.4 59.0 88.4#

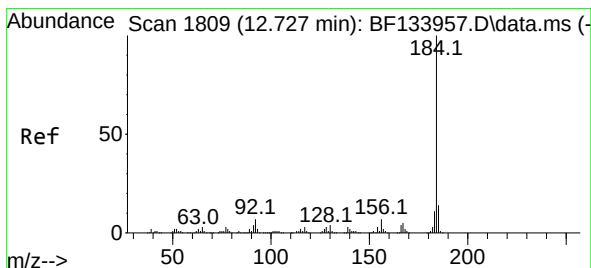
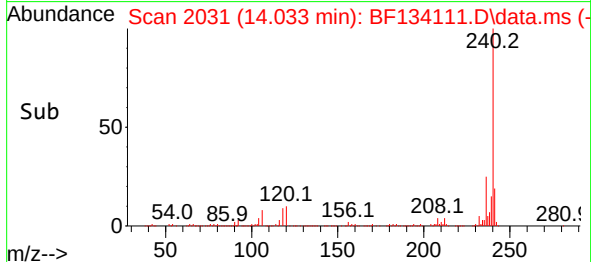
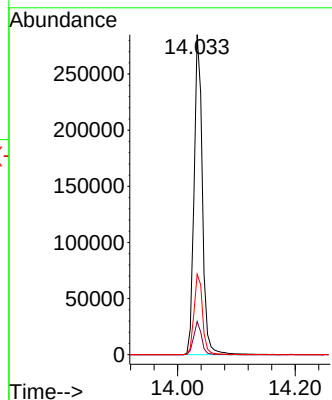
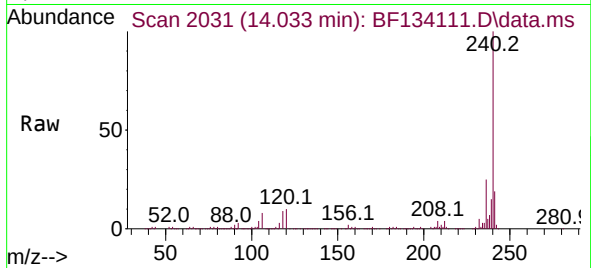




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.018 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

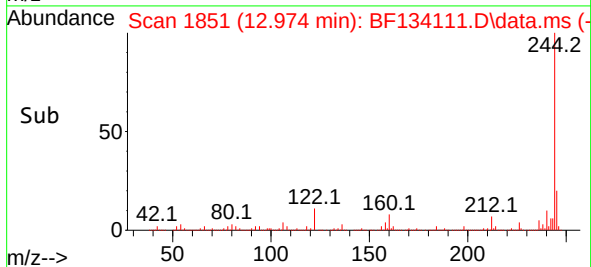
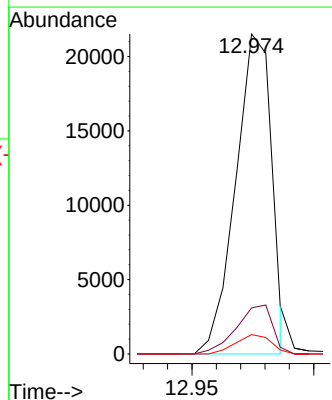
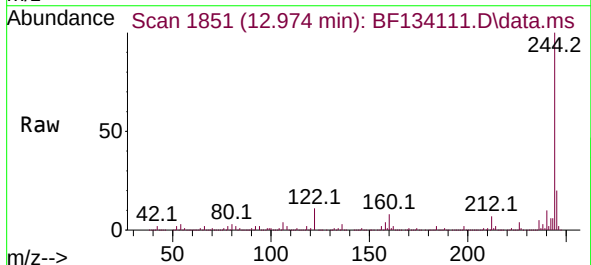
Instrument :
BNA_F
ClientSampleId :
TB-TP1

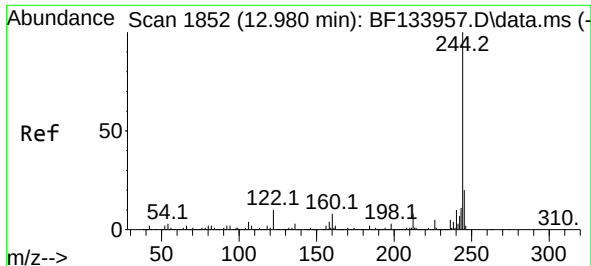
Tgt Ion:240 Resp: 280214
Ion Ratio Lower Upper
240 100
120 10.4 7.4 11.0
236 25.1 21.0 31.6



#77
Benzidine
Concen: 3.320 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF134111.D
Acq: 06 Jul 2023 23:03

Tgt Ion:184 Resp: 22138
Ion Ratio Lower Upper
184 100
185 14.4 11.6 17.4
183 6.1 8.8 13.2#

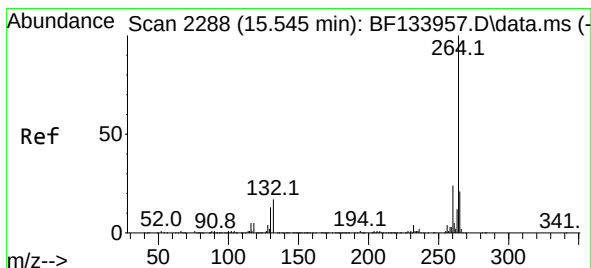
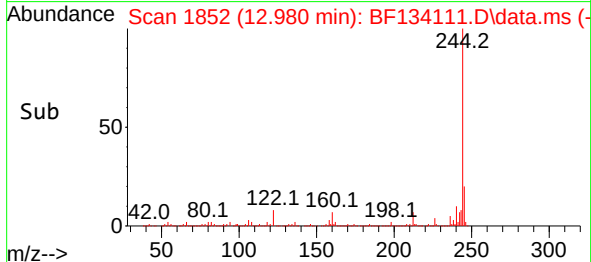
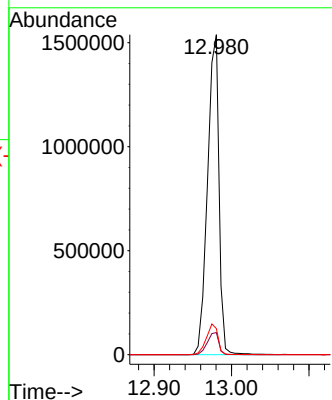
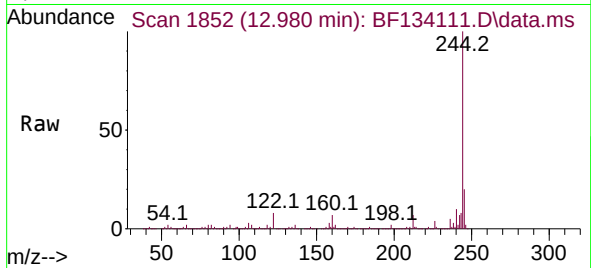




#79
 Terphenyl-d14
 Concen: 90.560 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134111.D
 Acq: 06 Jul 2023 23:03

Instrument :
 BNA_F
 ClientSampleId :
 TB-TP1

Tgt Ion:244 Resp: 1576727
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.2 8.3 12.5#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2287
 Delta R.T. -0.012 min
 Lab File: BF134111.D
 Acq: 06 Jul 2023 23:03

Tgt Ion:264 Resp: 225124
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 20.7 16.6 25.0

