

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134095.D
 Acq On : 06 Jul 2023 12:14
 Operator : CG\JU
 Sample : PB153188BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB153188BL

Quant Time: Jul 07 09:19:00 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)

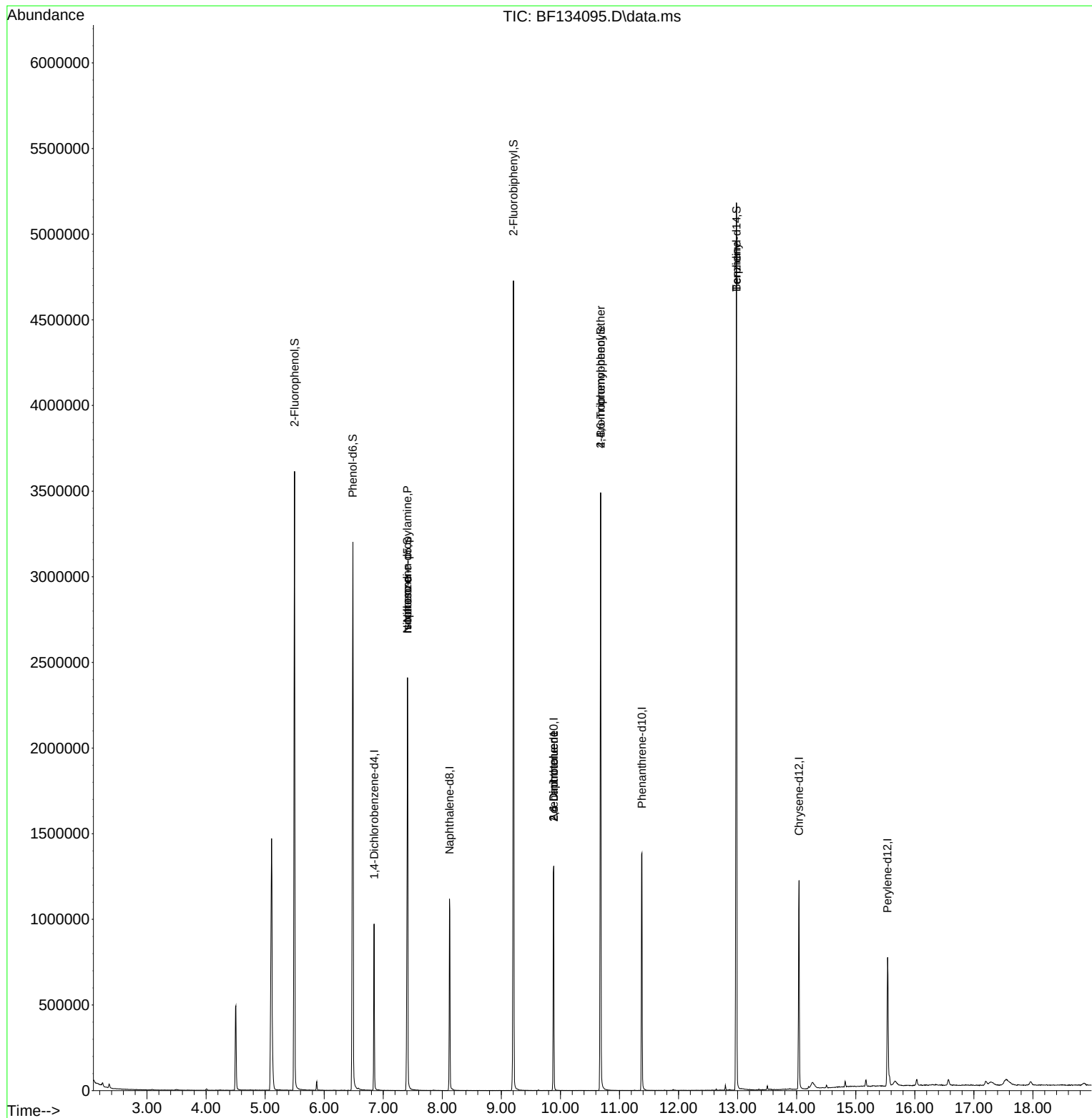
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	130924	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	521585	20.000	ng	-0.01
39) Acenaphthene-d10	9.886	164	276325	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	571303	20.000	ng	0.00
76) Chrysene-d12	14.039	240	433441	20.000	ng	-0.01
86) Perylene-d12	15.539	264	370156	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	994592	127.075	ng	0.01
7) Phenol-d6	6.487	99	1201438	124.820	ng	0.00
23) Nitrobenzene-d5	7.410	82	834989	86.295	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	453401	130.868	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1563401	82.259	ng	0.00
79) Terphenyl-d14	12.980	244	2022342	75.092	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.410	77	537	Below Cal	#	82
19) n-Nitroso-di-n-propyla...	7.410	70	119850	19.634	ng	# 77
25) Isophorone	7.410	82	834981	47.482	ng	# 64
51) 2,6-Dinitrotoluene	9.886	165	34350	7.951	ng	# 23
57) 2,4-Dinitrotoluene	9.886	165	34350	6.021	ng	# 22
67) 4-Bromophenyl-phenylether	10.680	248	27788	4.576	ng	# 1
77) Benzydine	12.980	184	28212	2.735	ng	# 93

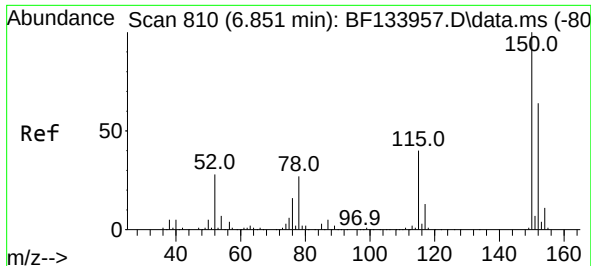
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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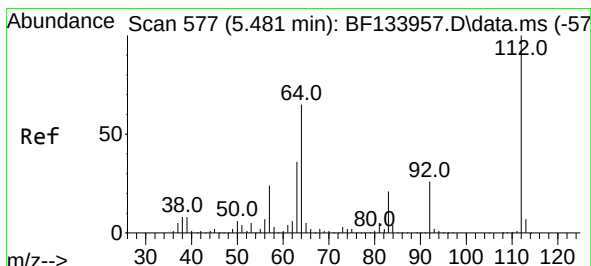
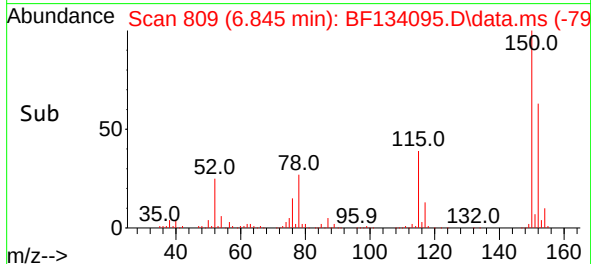
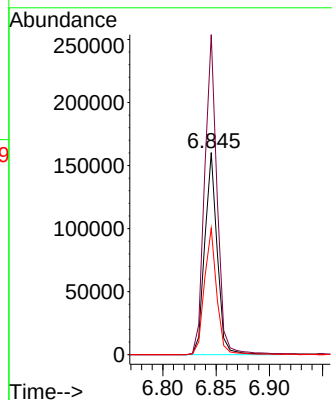
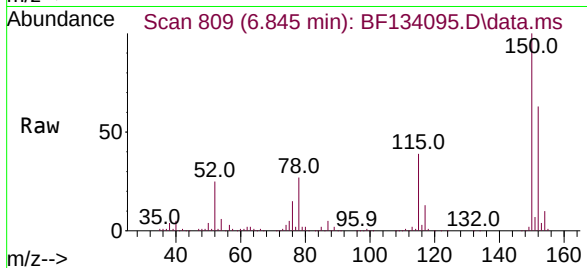




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134095.D
Acq: 06 Jul 2023 12:14

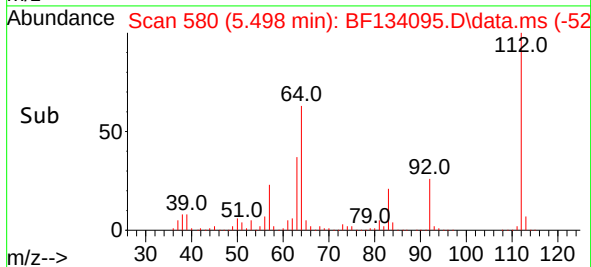
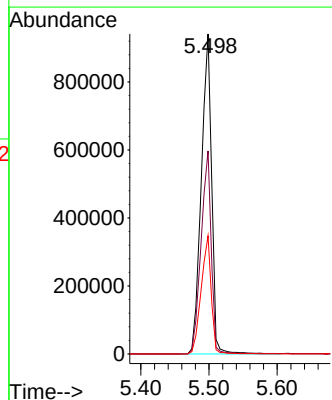
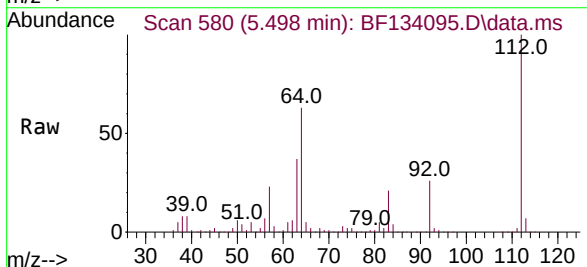
Instrument :
BNA_F
ClientSampleId :
PB153188BL

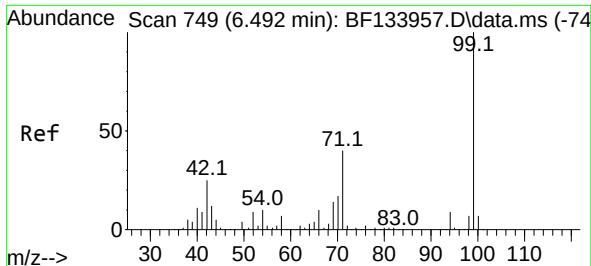
Tgt Ion:152 Resp: 130924
Ion Ratio Lower Upper
152 100
150 158.3 124.5 186.7
115 62.5 50.2 75.2



#5
2-Fluorophenol
Concen: 127.075 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF134095.D
Acq: 06 Jul 2023 12:14

Tgt Ion:112 Resp: 994592
Ion Ratio Lower Upper
112 100
64 63.5 52.1 78.1
63 36.9 28.6 42.8

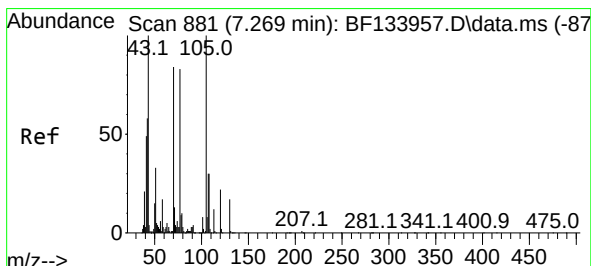
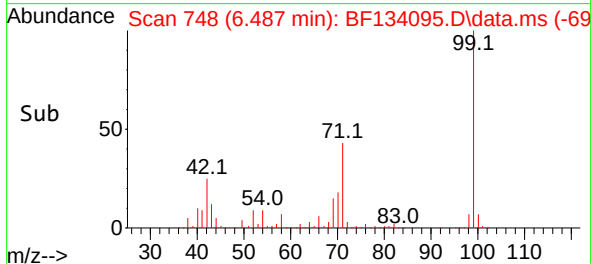
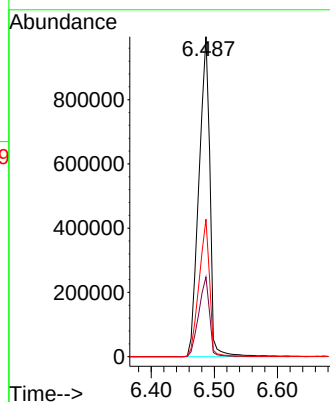
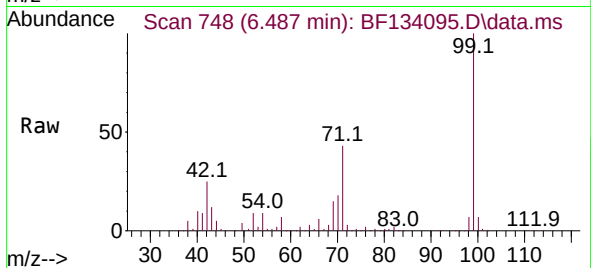




#7
Phenol-d6
Concen: 124.820 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134095.D
Acq: 06 Jul 2023 12:14

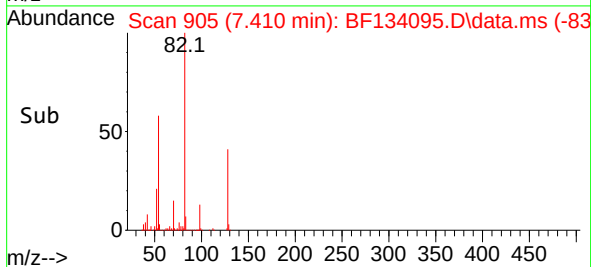
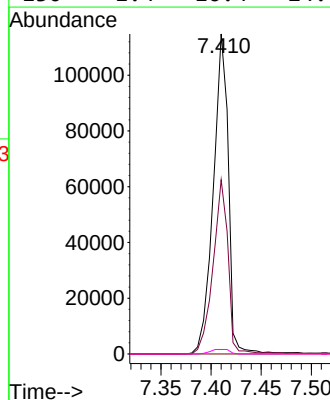
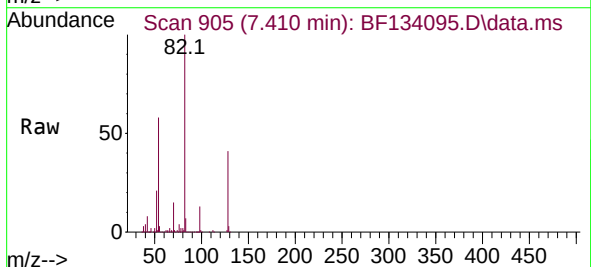
Instrument :
BNA_F
ClientSampleId :
PB153188BL

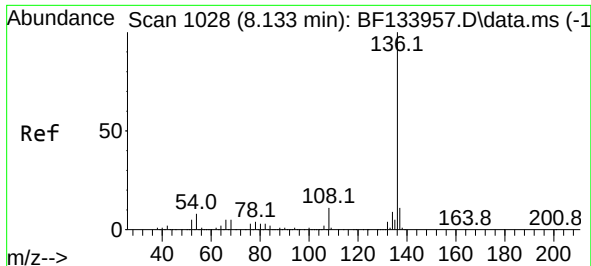
Tgt Ion: 99 Resp: 1201438
Ion Ratio Lower Upper
99 100
42 24.9 19.8 29.6
71 43.0 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 19.634 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134095.D
Acq: 06 Jul 2023 12:14

Tgt Ion: 70 Resp: 119850
Ion Ratio Lower Upper
70 100
42 54.4 54.7 82.1#
101 0.0 7.7 11.5#
130 1.4 16.4 24.6#

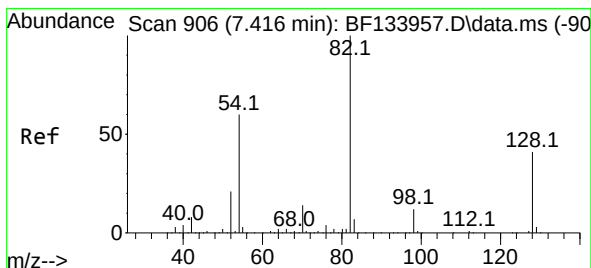
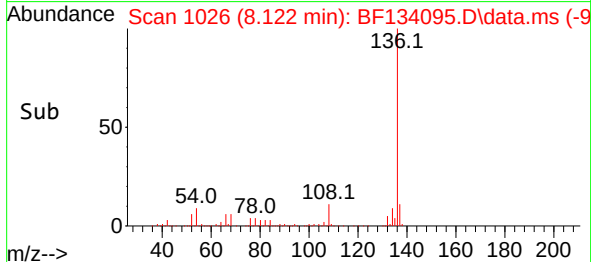
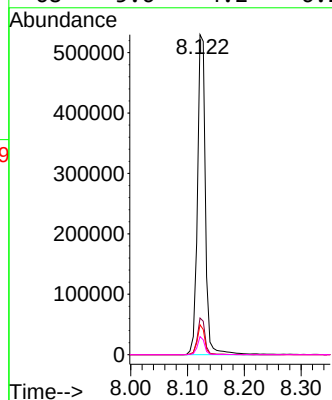
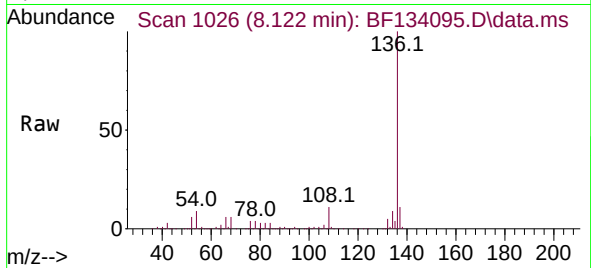




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134095.D
Acq: 06 Jul 2023 12:14

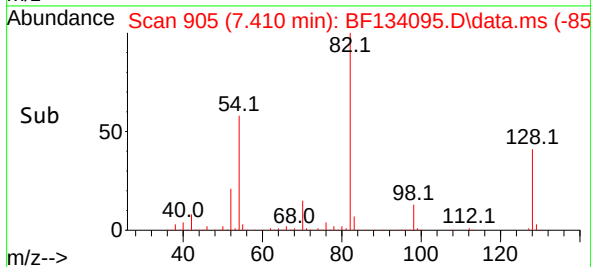
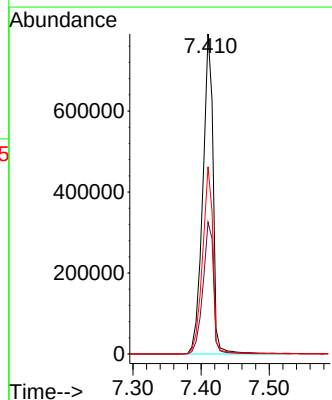
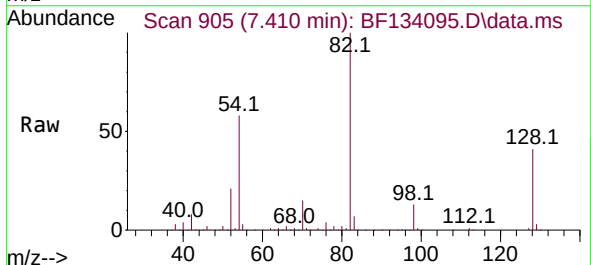
Instrument :
BNA_F
ClientSampleId :
PB153188BL

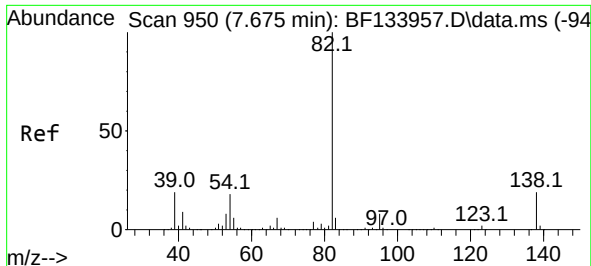
Tgt Ion:136 Resp: 521585
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 9.4 6.5 9.7
68 5.6 4.2 6.2



#23
Nitrobenzene-d5
Concen: 86.295 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134095.D
Acq: 06 Jul 2023 12:14

Tgt Ion: 82 Resp: 834989
Ion Ratio Lower Upper
82 100
128 41.2 32.5 48.7
54 58.5 48.2 72.2

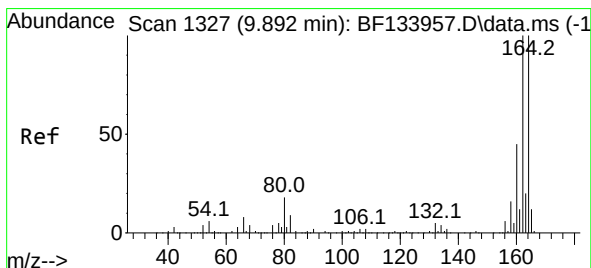
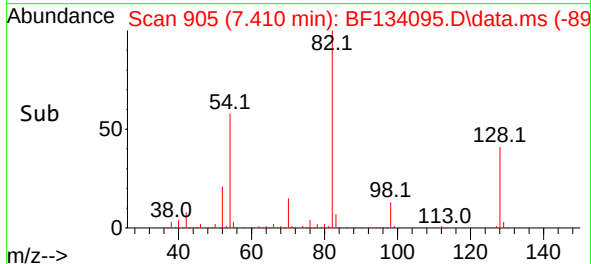
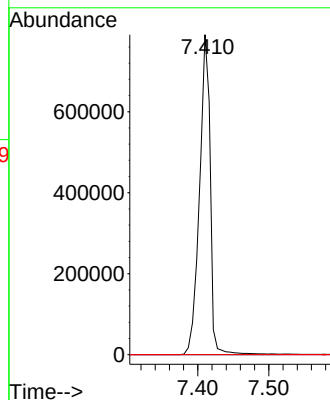
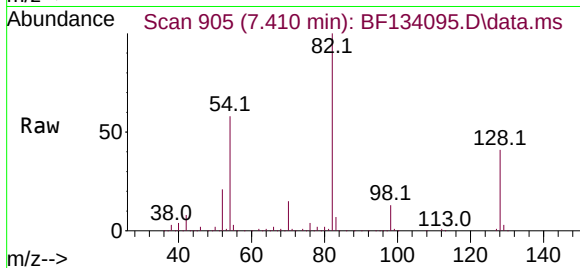




#25
Isophorone
Concen: 47.482 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134095.D
Acq: 06 Jul 2023 12:14

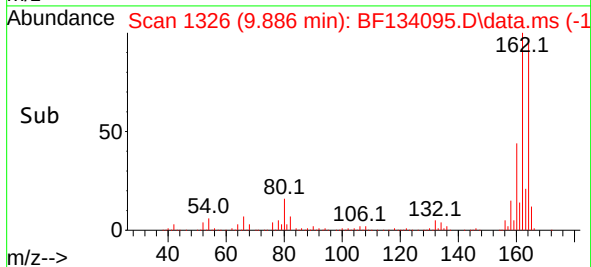
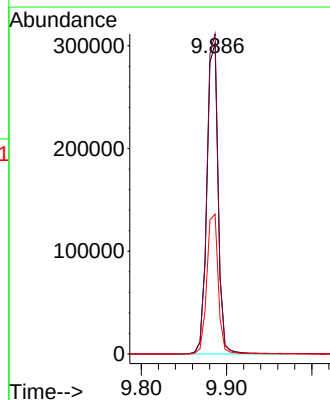
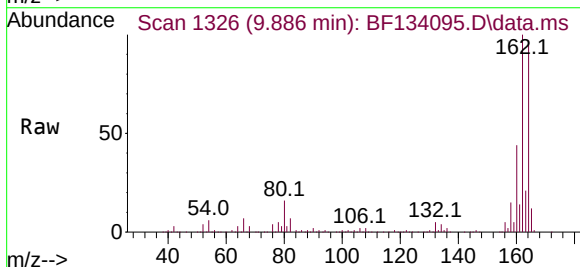
Instrument :
BNA_F
ClientSampleId :
PB153188BL

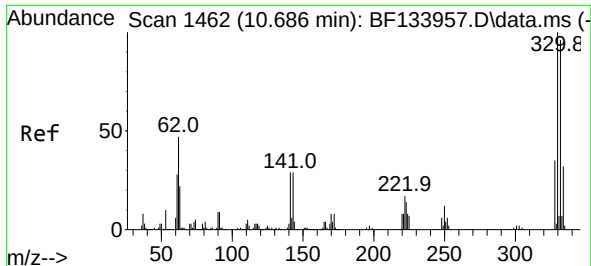
Tgt Ion: 82 Resp: 834981
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134095.D
Acq: 06 Jul 2023 12:14

Tgt Ion:164 Resp: 276325
Ion Ratio Lower Upper
164 100
162 103.0 80.0 120.0
160 45.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 130.868 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF134095.D

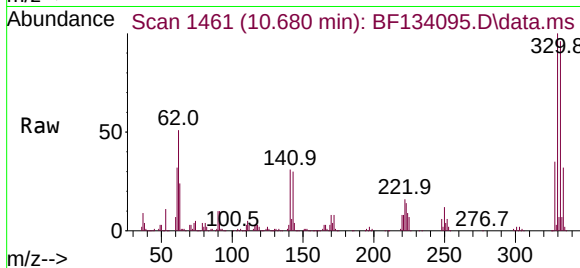
Acq: 06 Jul 2023 12:14

Instrument :

BNA_F

ClientSampleId :

PB153188BL



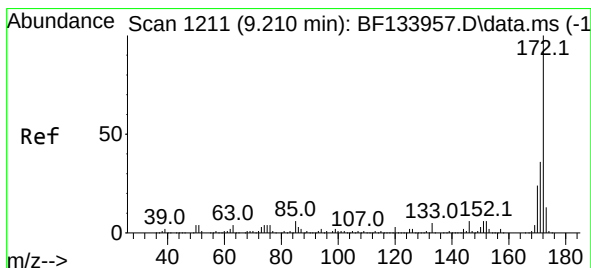
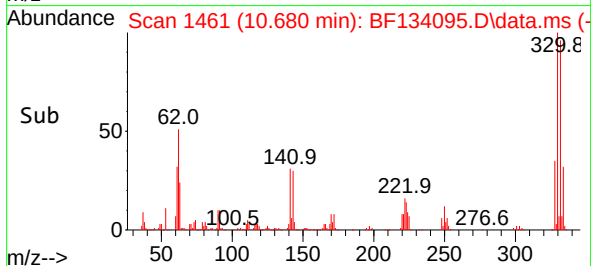
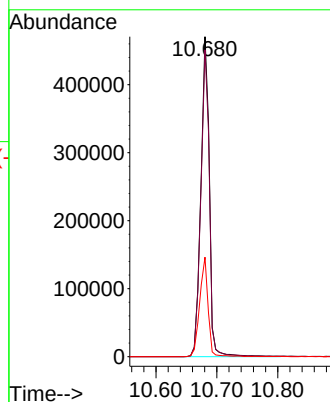
Tgt Ion:330 Resp: 453401

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 31.0 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 82.259 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134095.D

Acq: 06 Jul 2023 12:14

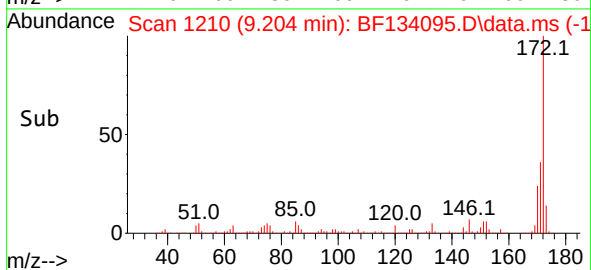
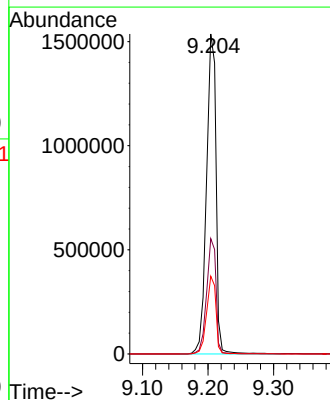
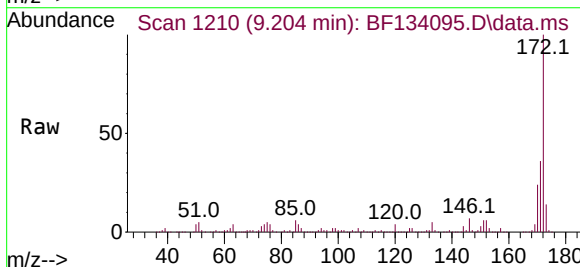
Tgt Ion:172 Resp: 1563401

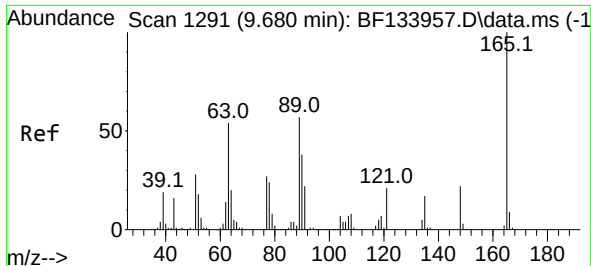
Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

170 24.3 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 7.951 ng

RT: 9.886 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF134095.D

Acq: 06 Jul 2023 12:14

Instrument :

BNA_F

ClientSampleId :

PB153188BL

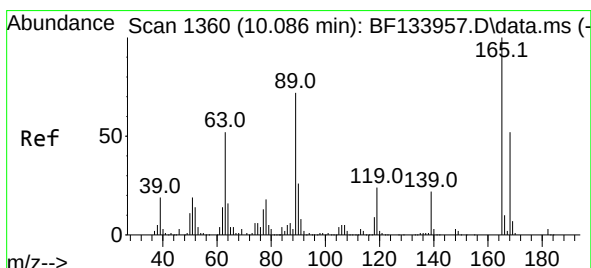
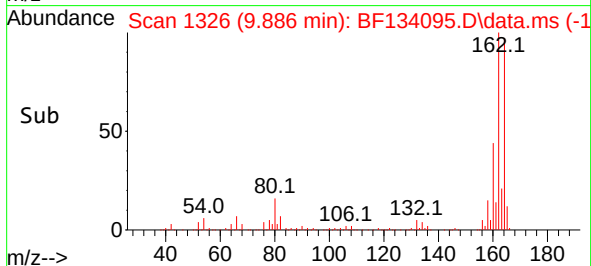
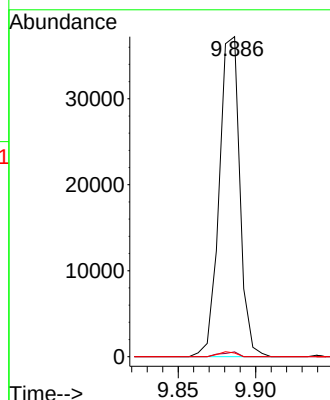
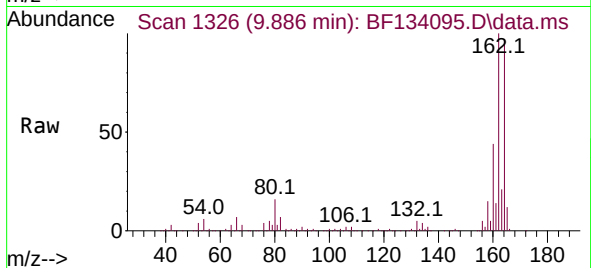
Tgt Ion:165 Resp: 34350

Ion Ratio Lower Upper

165 100

63 1.5 48.5 72.7#

89 1.1 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.021 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.200 min

Lab File: BF134095.D

Acq: 06 Jul 2023 12:14

Tgt Ion:165 Resp: 34350

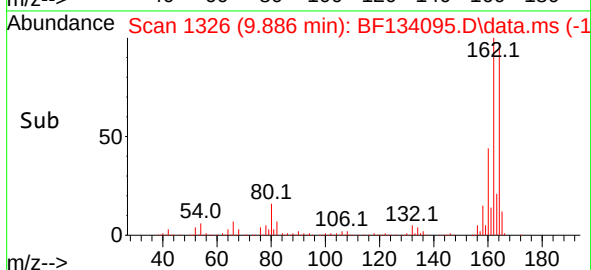
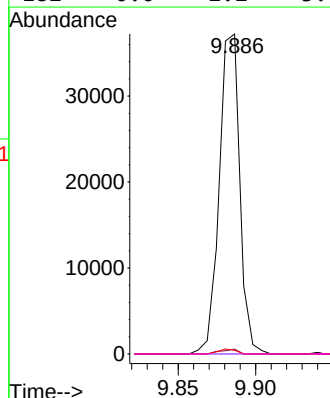
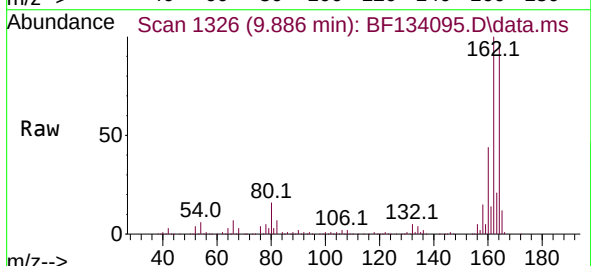
Ion Ratio Lower Upper

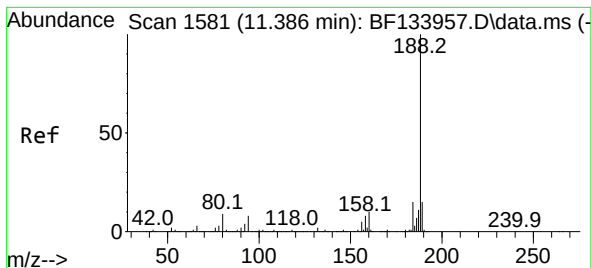
165 100

63 1.5 42.2 63.2#

89 1.1 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134095.D

Acq: 06 Jul 2023 12:14

Instrument :

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ClientSampleId :

PB153188BL

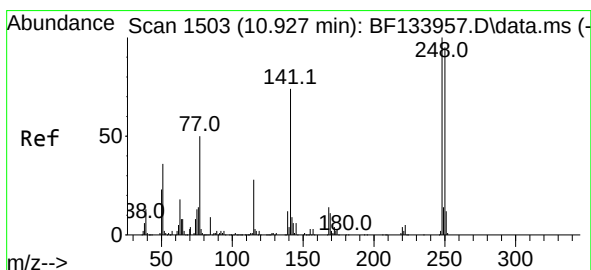
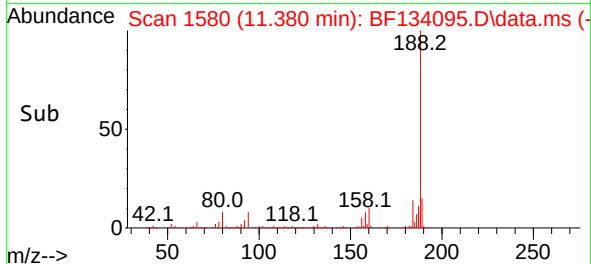
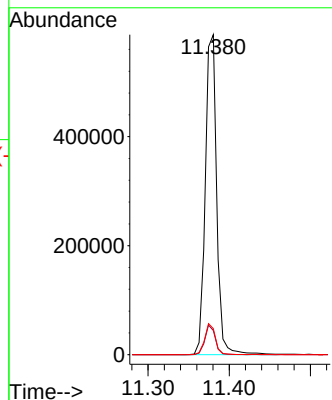
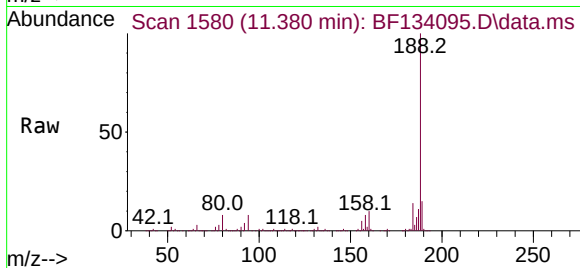
Tgt Ion:188 Resp: 571303

Ion Ratio Lower Upper

188 100

94 7.6 6.4 9.6

80 8.2 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.576 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.247 min

Lab File: BF134095.D

Acq: 06 Jul 2023 12:14

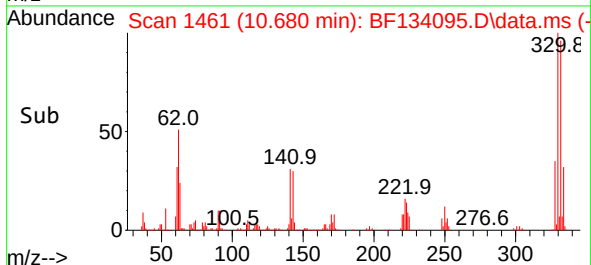
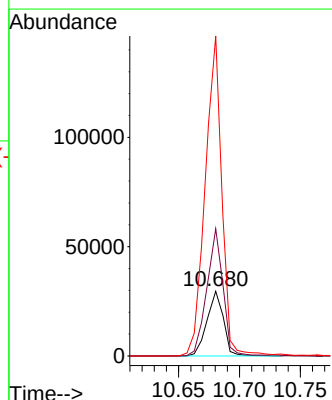
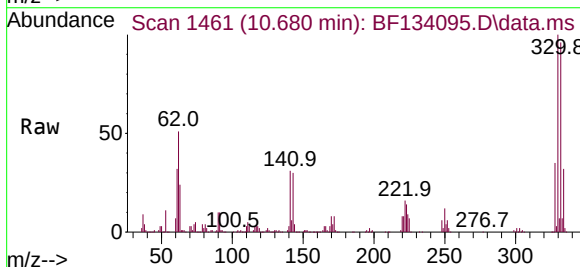
Tgt Ion:248 Resp: 27788

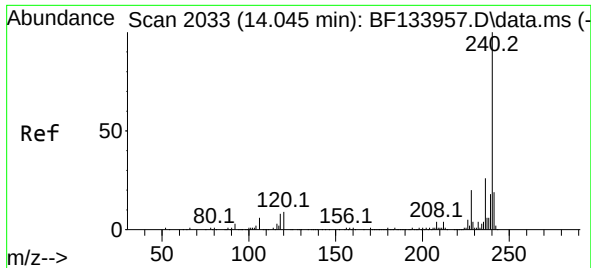
Ion Ratio Lower Upper

248 100

250 196.8 76.2 114.4#

141 494.8 59.0 88.4#

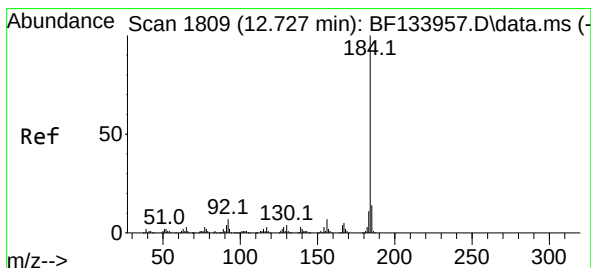
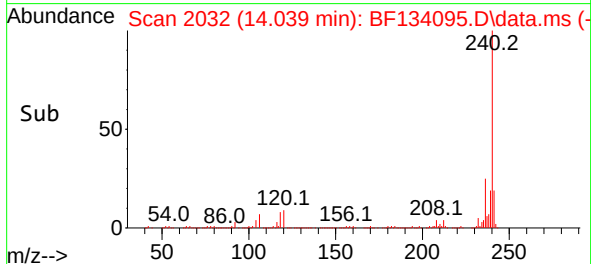
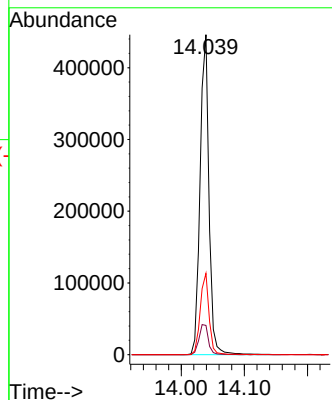
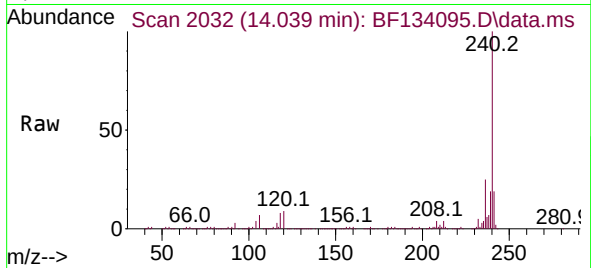




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF134095.D
Acq: 06 Jul 2023 12:14

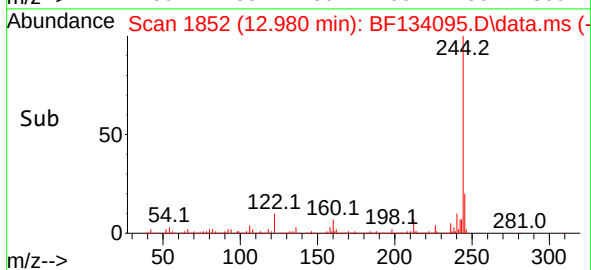
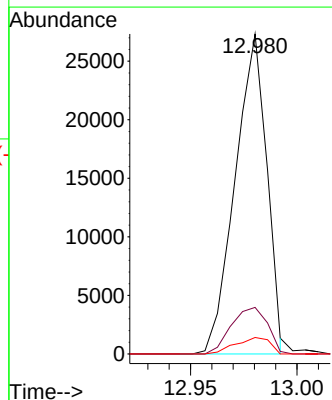
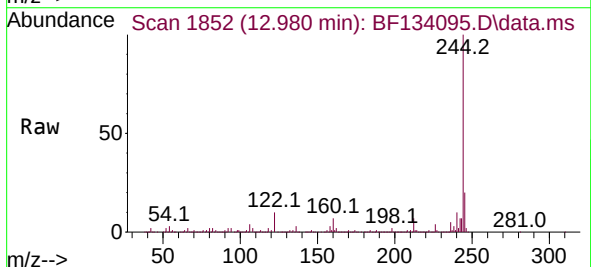
Instrument :
BNA_F
ClientSampleId :
PB153188BL

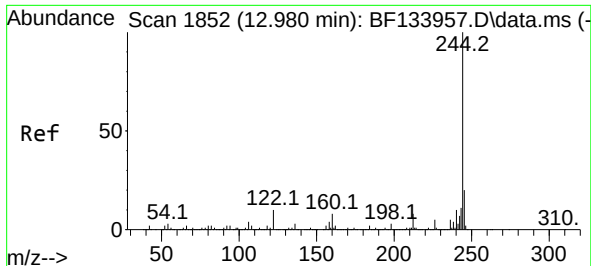
Tgt Ion:240 Resp: 433441
Ion Ratio Lower Upper
240 100
120 9.2 7.4 11.0
236 25.4 21.0 31.6



#77
Benzidine
Concen: 2.735 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.253 min
Lab File: BF134095.D
Acq: 06 Jul 2023 12:14

Tgt Ion:184 Resp: 28212
Ion Ratio Lower Upper
184 100
185 14.6 11.6 17.4
183 5.1 8.8 13.2#

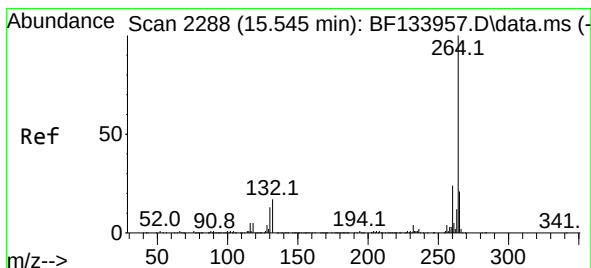
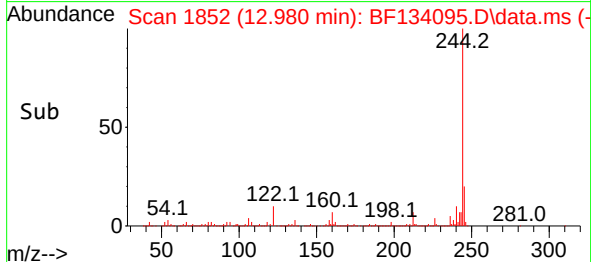
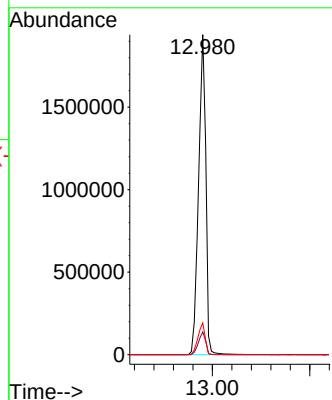
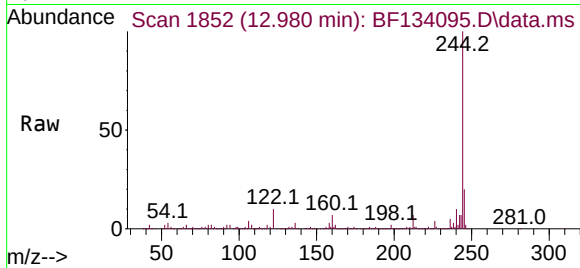




#79
 Terphenyl-d14
 Concen: 75.092 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134095.D
 Acq: 06 Jul 2023 12:14

Instrument :
 BNA_F
 ClientSampleId :
 PB153188BL

Tgt Ion:244 Resp: 2022342
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.9 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: BF134095.D
 Acq: 06 Jul 2023 12:14

Tgt Ion:264 Resp: 370156
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 21.6 16.6 25.0

