

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070823\
 Data File : BF134180.D
 Acq On : 09 Jul 2023 09:55
 Operator : CG\JU
 Sample : 03492-07RE
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 10 01:51:11 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)

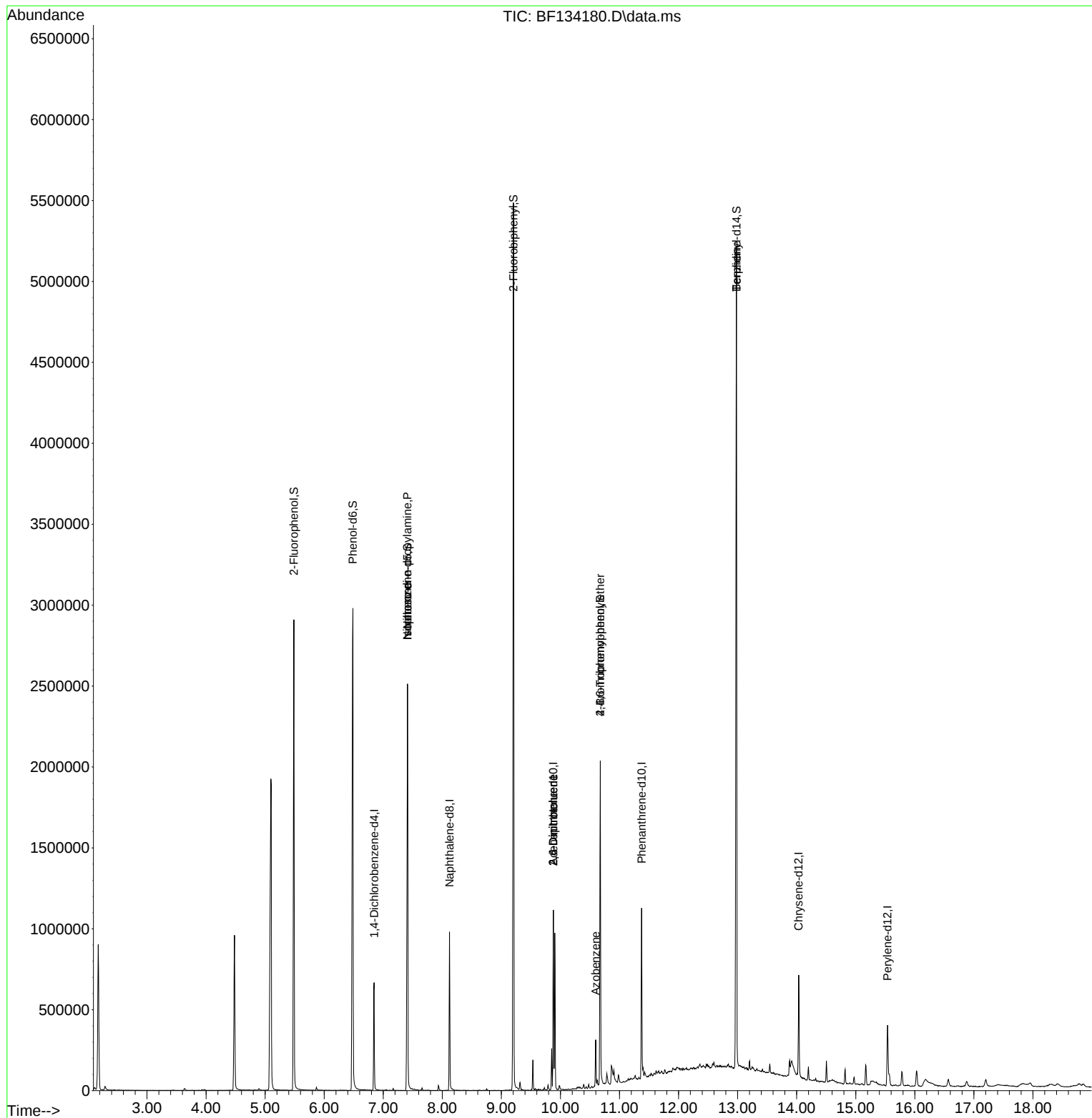
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	103076	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	397853	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	204806	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	379424	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	215008	20.000	ng	-0.02
86) Perylene-d12	15.539	264	191145	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	745969	121.060	ng	0.00
7) Phenol-d6	6.487	99	1134412	149.697	ng	0.00
23) Nitrobenzene-d5	7.410	82	873281	118.321	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	240216	93.547	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1744046	123.808	ng	0.00
79) Terphenyl-d14	12.980	244	2029882	151.945	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.487	77	2356	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	125485	26.111	ng	# 77
25) Isophorone	7.410	82	873271	65.103	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	25190	7.867	ng	# 24
57) 2,4-Dinitrotoluene	9.880	165	25190	5.957	ng	# 22
63) Azobenzene	10.598	77	51836	3.538	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	14660	3.635	ng	# 1
77) Benzidine	12.980	184	27778	5.430	ng	# 94

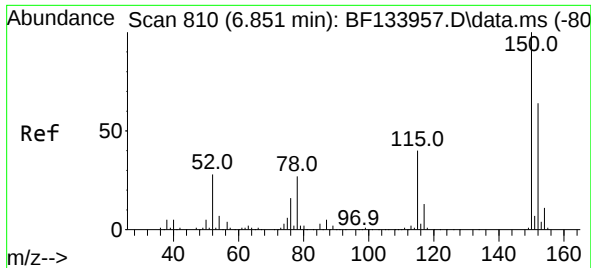
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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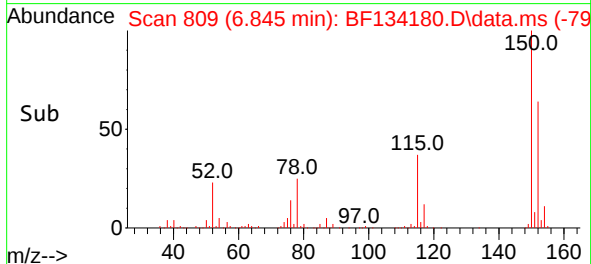
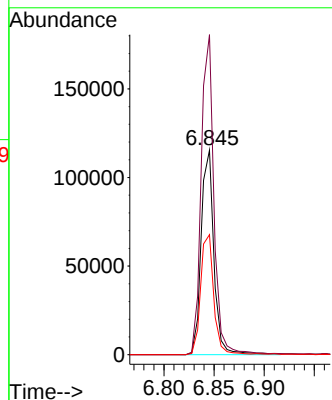
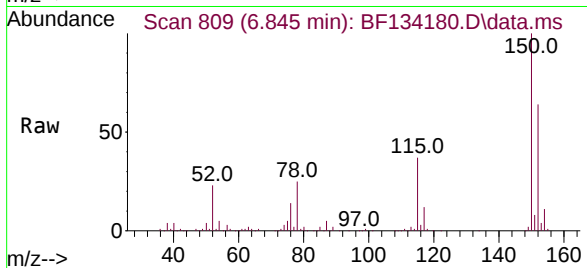




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

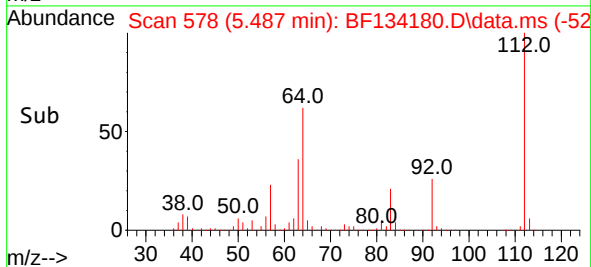
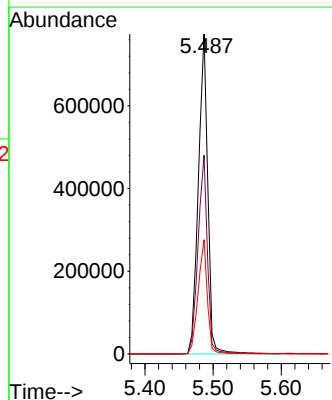
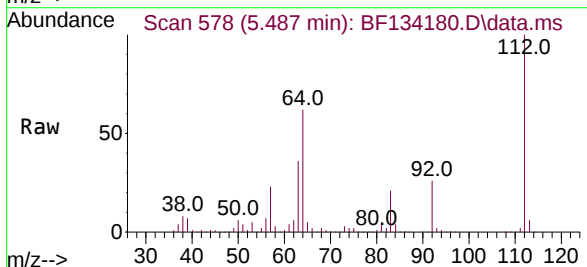
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 103076
Ion Ratio Lower Upper
152 100
150 156.5 124.5 186.7
115 58.7 50.2 75.2



#5
2-Fluorophenol
Concen: 121.060 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

Tgt Ion:112 Resp: 745969
Ion Ratio Lower Upper
112 100
64 62.1 52.1 78.1
63 35.7 28.6 42.8





#7

Phenol-d6

Concen: 149.697 ng

RT: 6.487 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134180.D

Acq: 09 Jul 2023 09:55

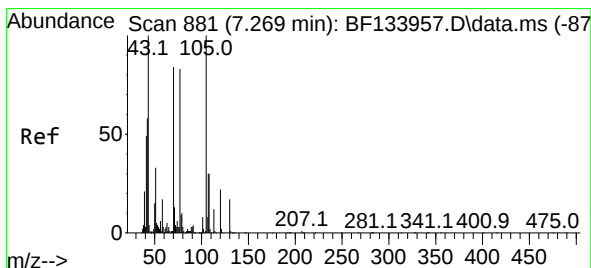
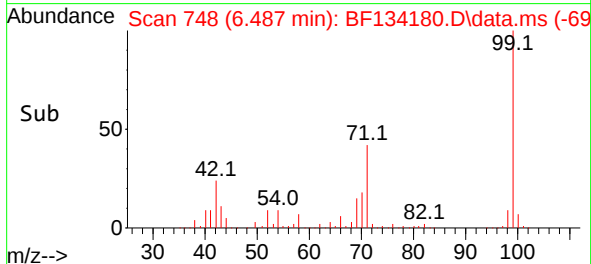
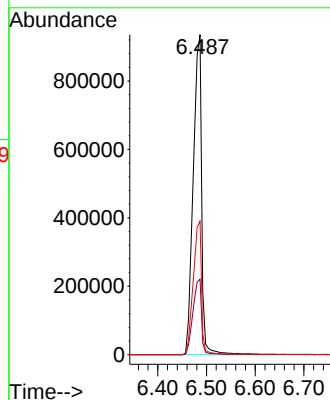
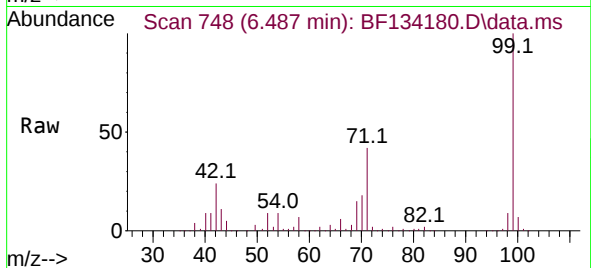
Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 99 Resp: 1134412

Ion	Ratio	Lower	Upper
99	100		
42	23.6	19.8	29.6
71	41.7	31.9	47.9



#19

n-Nitroso-di-n-propylamine

Concen: 26.111 ng

RT: 7.410 min Scan# 905

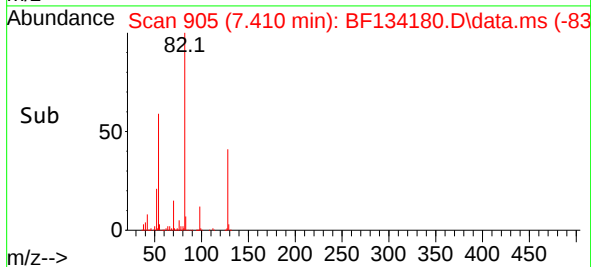
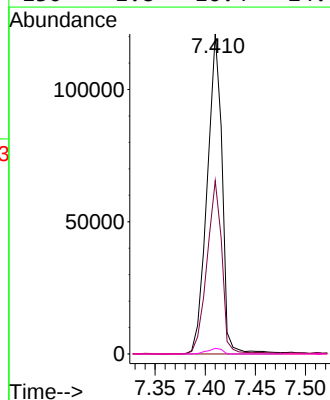
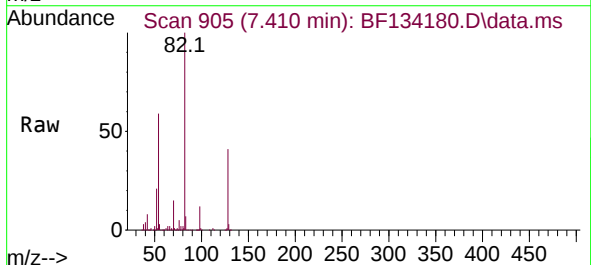
Delta R.T. 0.141 min

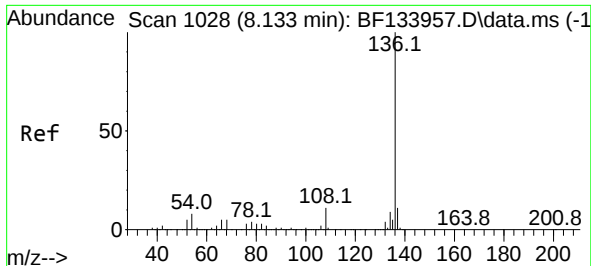
Lab File: BF134180.D

Acq: 09 Jul 2023 09:55

Tgt Ion: 70 Resp: 125485

Ion	Ratio	Lower	Upper
70	100		
42	54.2	54.7	82.1#
101	0.0	7.7	11.5#
130	1.8	16.4	24.6#



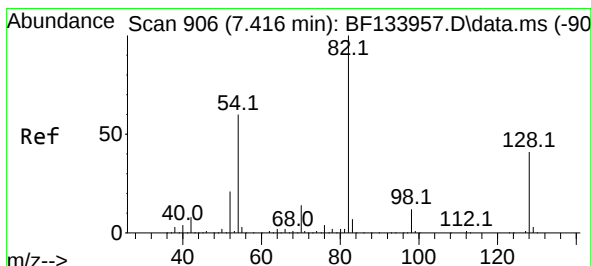
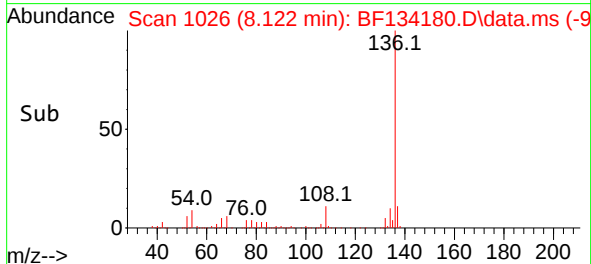
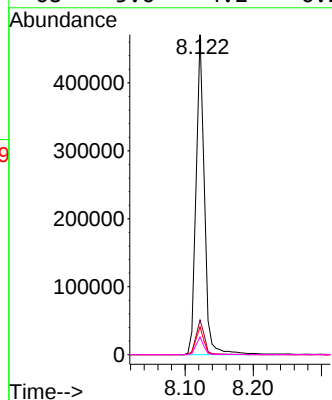
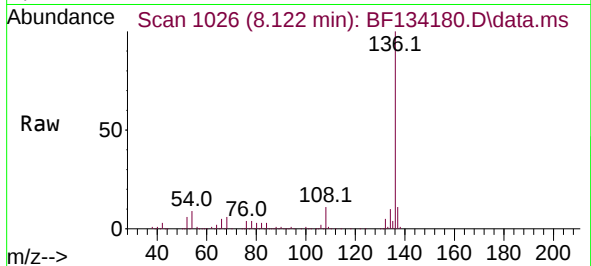


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 397853

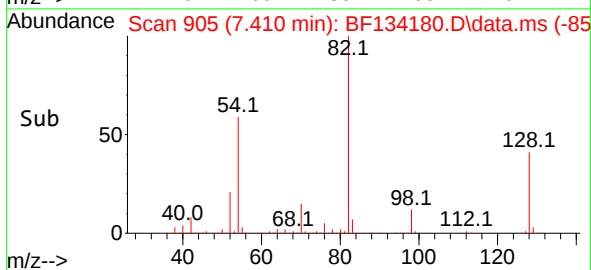
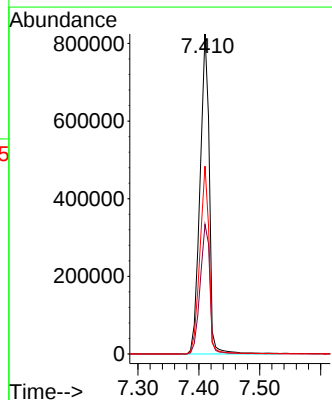
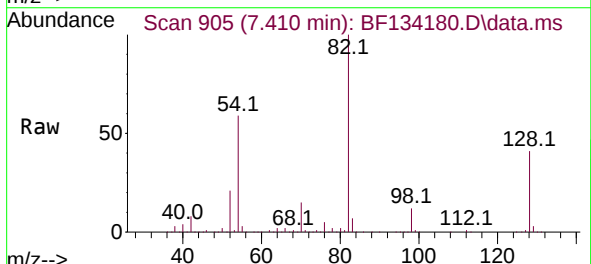
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	8.7	6.5	9.7
68	5.6	4.2	6.2



#23
Nitrobenzene-d5
Concen: 118.321 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

Tgt Ion: 82 Resp: 873281

Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.5	48.7
54	58.7	48.2	72.2

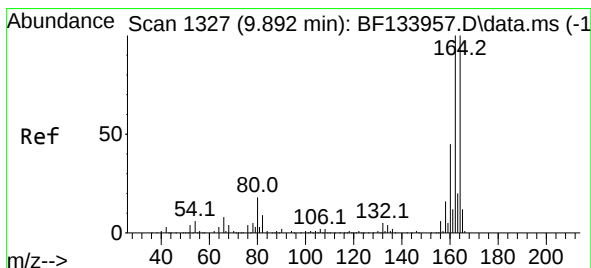
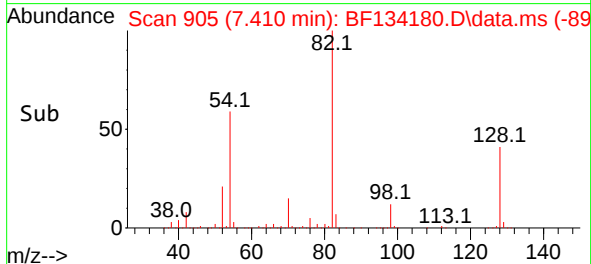
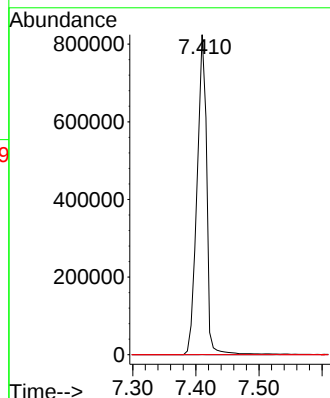
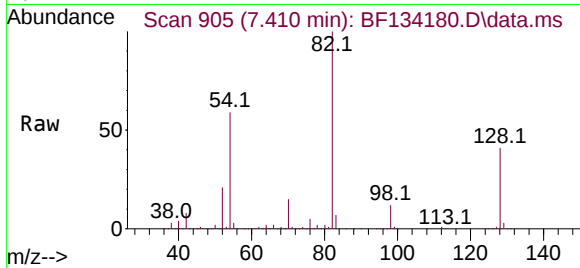




#25
Isophorone
Concen: 65.103 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

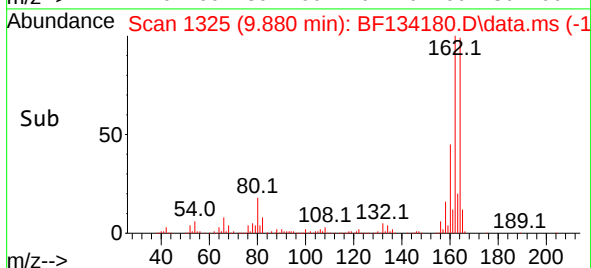
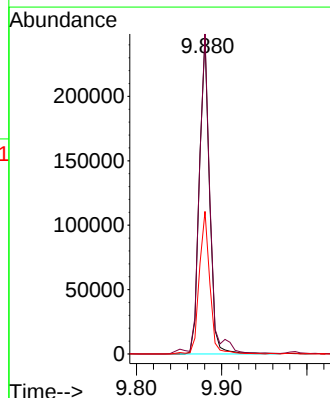
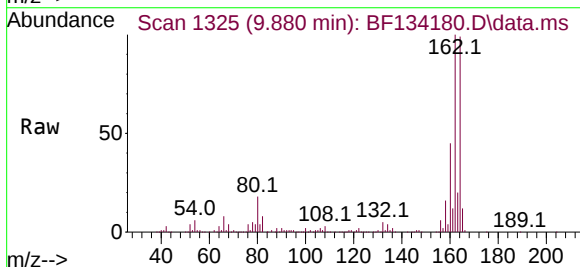
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 873271
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: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

Tgt Ion:164 Resp: 204806
Ion Ratio Lower Upper
164 100
162 101.1 80.0 120.0
160 45.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 93.547 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

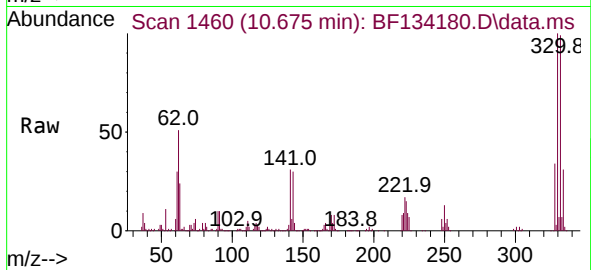
Lab File: BF134180.D

Acq: 09 Jul 2023 09:55

Instrument :

BNA_F

ClientSampleId :



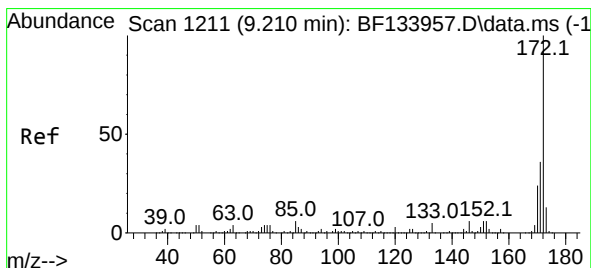
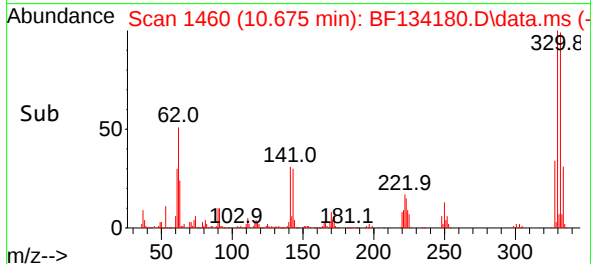
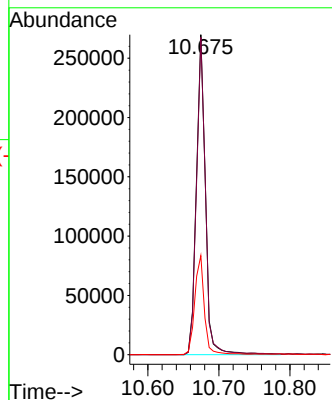
Tgt Ion:330 Resp: 240216

Ion Ratio Lower Upper

330 100

332 98.6 77.0 115.6

141 33.0 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 123.808 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134180.D

Acq: 09 Jul 2023 09:55

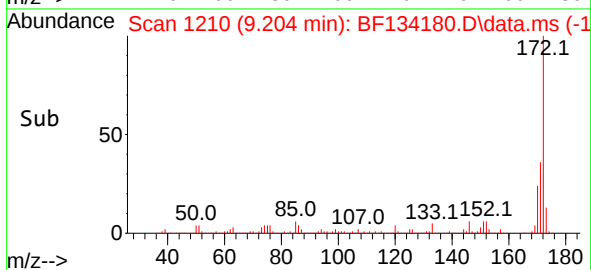
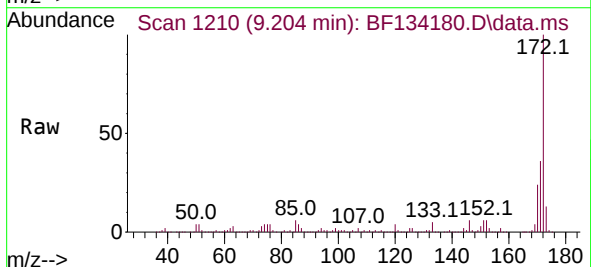
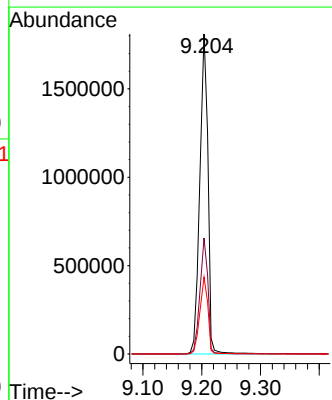
Tgt Ion:172 Resp: 1744046

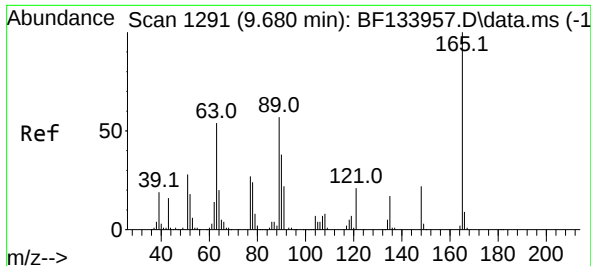
Ion Ratio Lower Upper

172 100

171 36.3 28.6 43.0

170 24.0 19.4 29.0

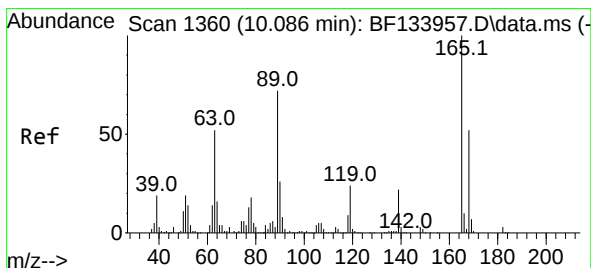
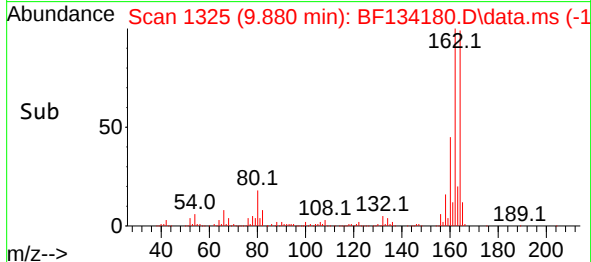
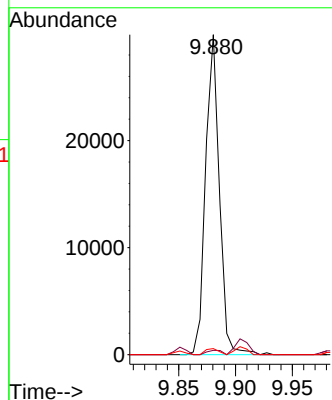
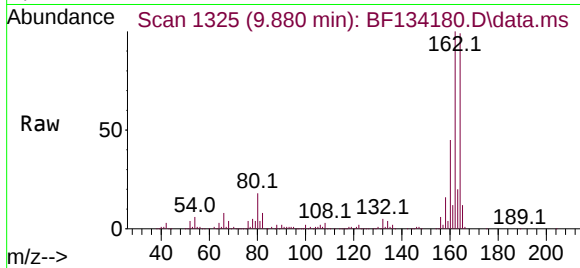




#51
2,6-Dinitrotoluene
Concen: 7.867 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

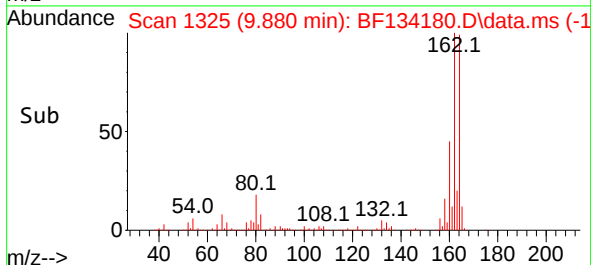
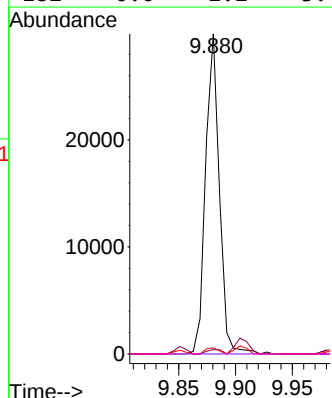
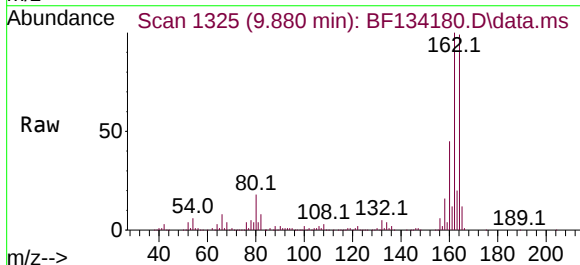
Instrument :
BNA_F
ClientSampleId :

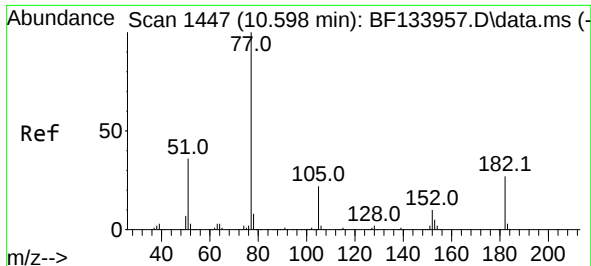
Tgt Ion:165 Resp: 25190
Ion Ratio Lower Upper
165 100
63 1.3 48.5 72.7#
89 1.9 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 5.957 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

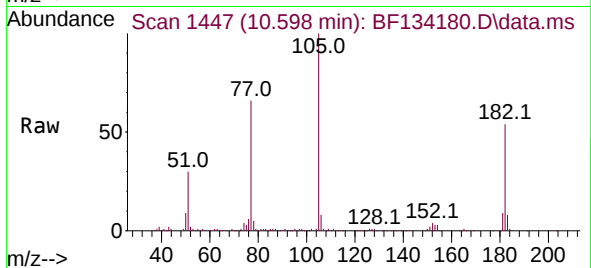
Tgt Ion:165 Resp: 25190
Ion Ratio Lower Upper
165 100
63 1.3 42.2 63.2#
89 1.9 57.4 86.2#
182 0.0 2.2 3.4#



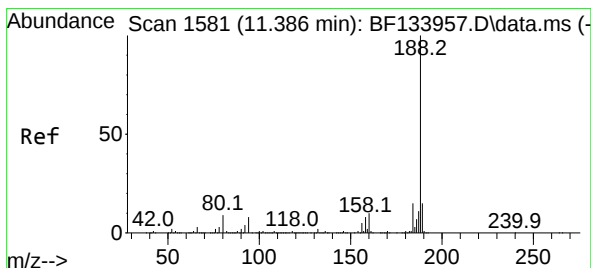
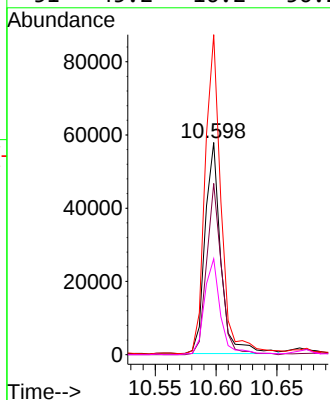
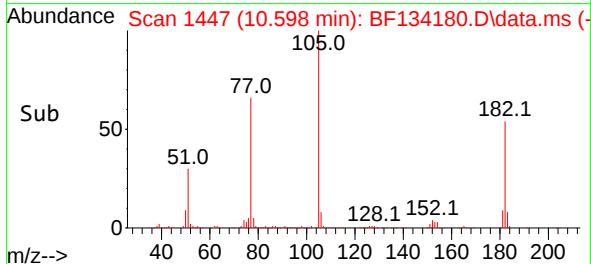


#63
 Azobenzene
 Concen: 3.538 ng
 RT: 10.598 min Scan# 1447
 Delta R.T. -0.000 min
 Lab File: BF134180.D
 Acq: 09 Jul 2023 09:55

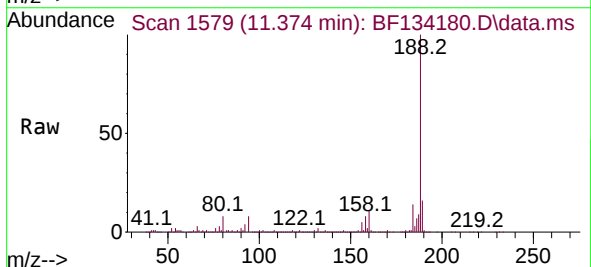
Instrument :
 BNA_F
 ClientSampleId :



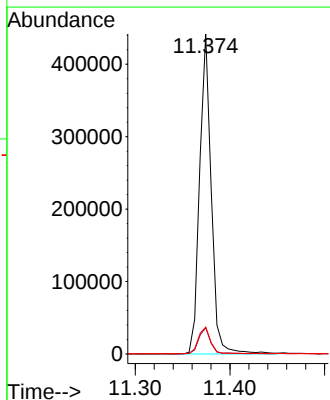
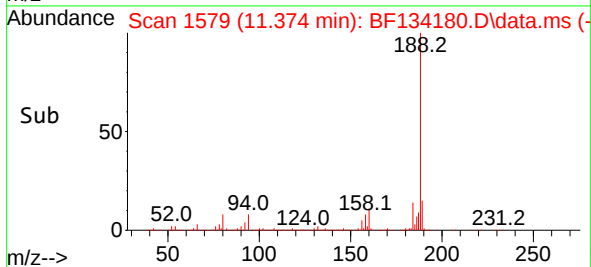
Tgt Ion: 77 Resp: 51836
 Ion Ratio Lower Upper
 77 100
 182 80.7 6.8 46.8#
 105 150.8 2.3 42.3#
 51 45.2 16.2 56.2

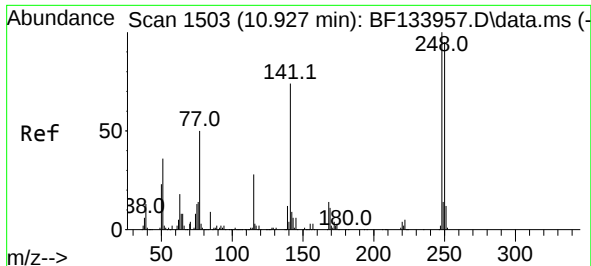


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.374 min Scan# 1579
 Delta R.T. -0.012 min
 Lab File: BF134180.D
 Acq: 09 Jul 2023 09:55



Tgt Ion: 188 Resp: 379424
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.4 9.6
 80 8.4 7.3 10.9

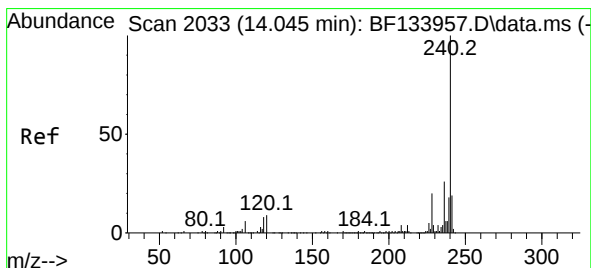
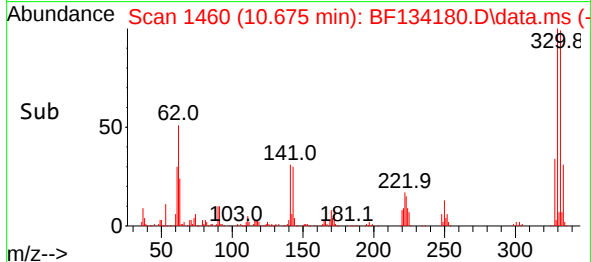
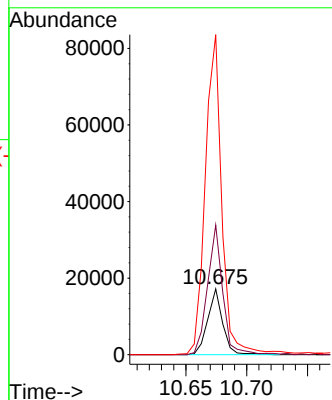
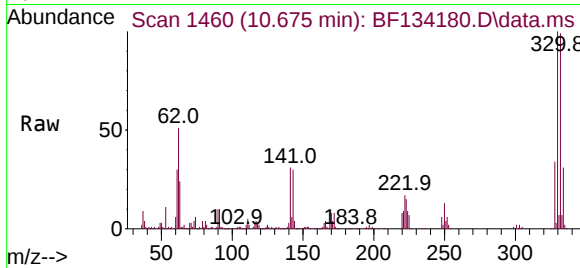




#67
4-Bromophenyl-phenylether
Concen: 3.635 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

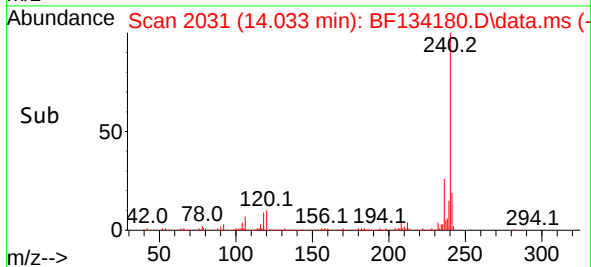
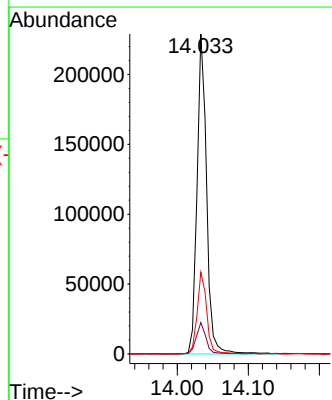
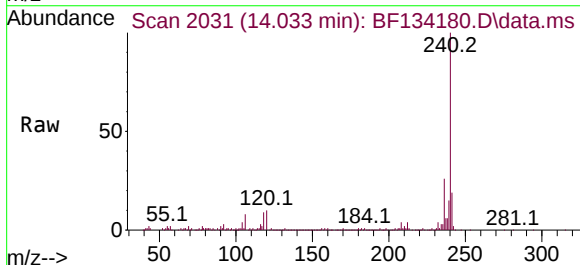
Instrument :
BNA_F
ClientSampleId :

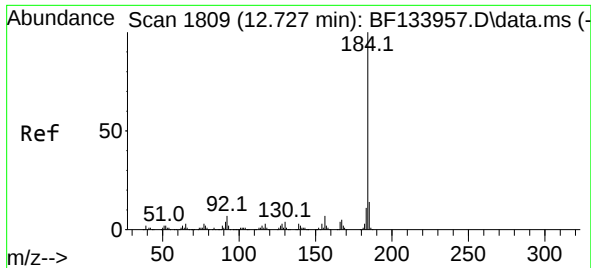
Tgt Ion:248 Resp: 14660
Ion Ratio Lower Upper
248 100
250 197.1 76.2 114.4#
141 486.7 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

Tgt Ion:240 Resp: 215008
Ion Ratio Lower Upper
240 100
120 9.8 7.4 11.0
236 25.6 21.0 31.6

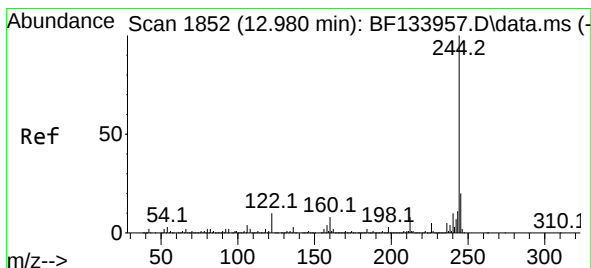
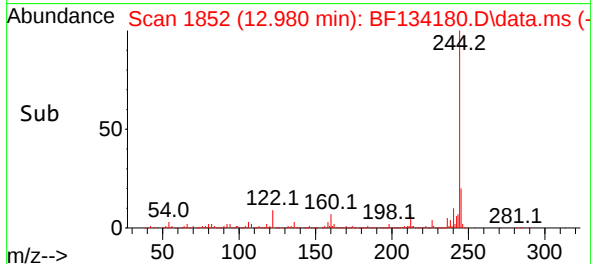
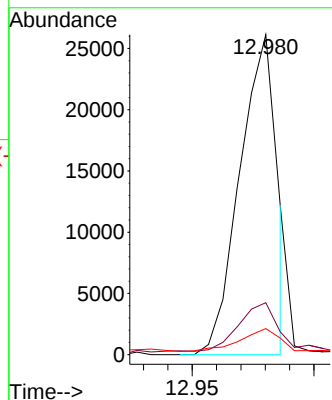
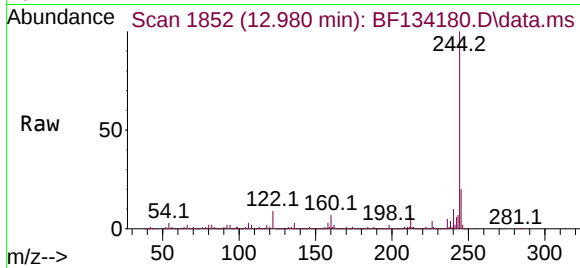




#77
Benzidine
Concen: 5.430 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.253 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

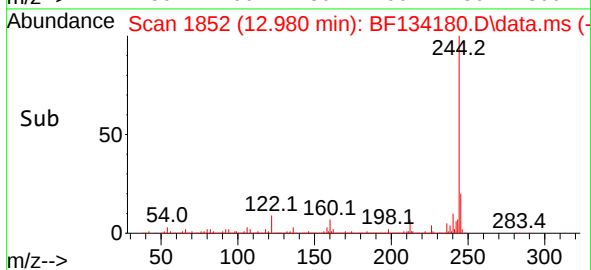
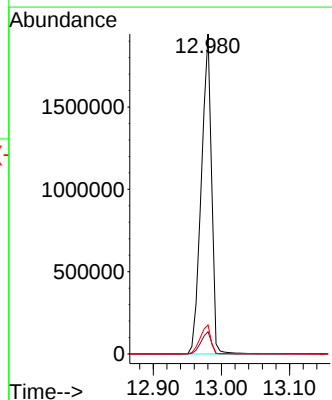
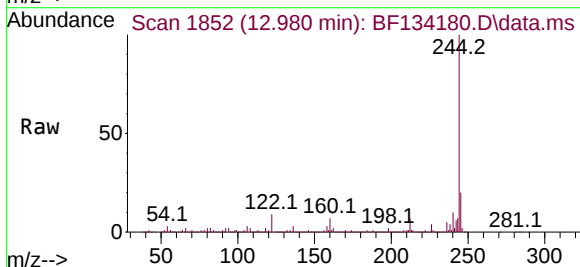
Instrument :
BNA_F
ClientSampleId :

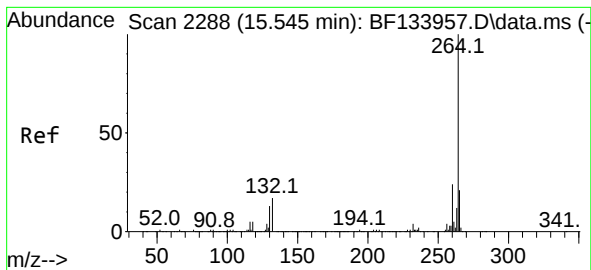
Tgt Ion:184 Resp: 27778
Ion Ratio Lower Upper
184 100
185 16.2 11.6 17.4
183 8.2 8.8 13.2#



#79
Terphenyl-d14
Concen: 151.945 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF134180.D
Acq: 09 Jul 2023 09:55

Tgt Ion:244 Resp: 2029882
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.1 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.012 min

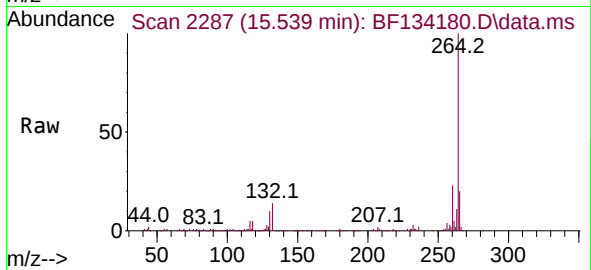
Lab File: BF134180.D

Acq: 09 Jul 2023 09:55

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:264 Resp: 191145

Ion Ratio Lower Upper

264 100

260 22.8 19.5 29.3

265 20.1 16.6 25.0

