

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134109.D
 Acq On : 06 Jul 2023 21:53
 Operator : CG\JU
 Sample : 03475-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 07 01:33:16 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)

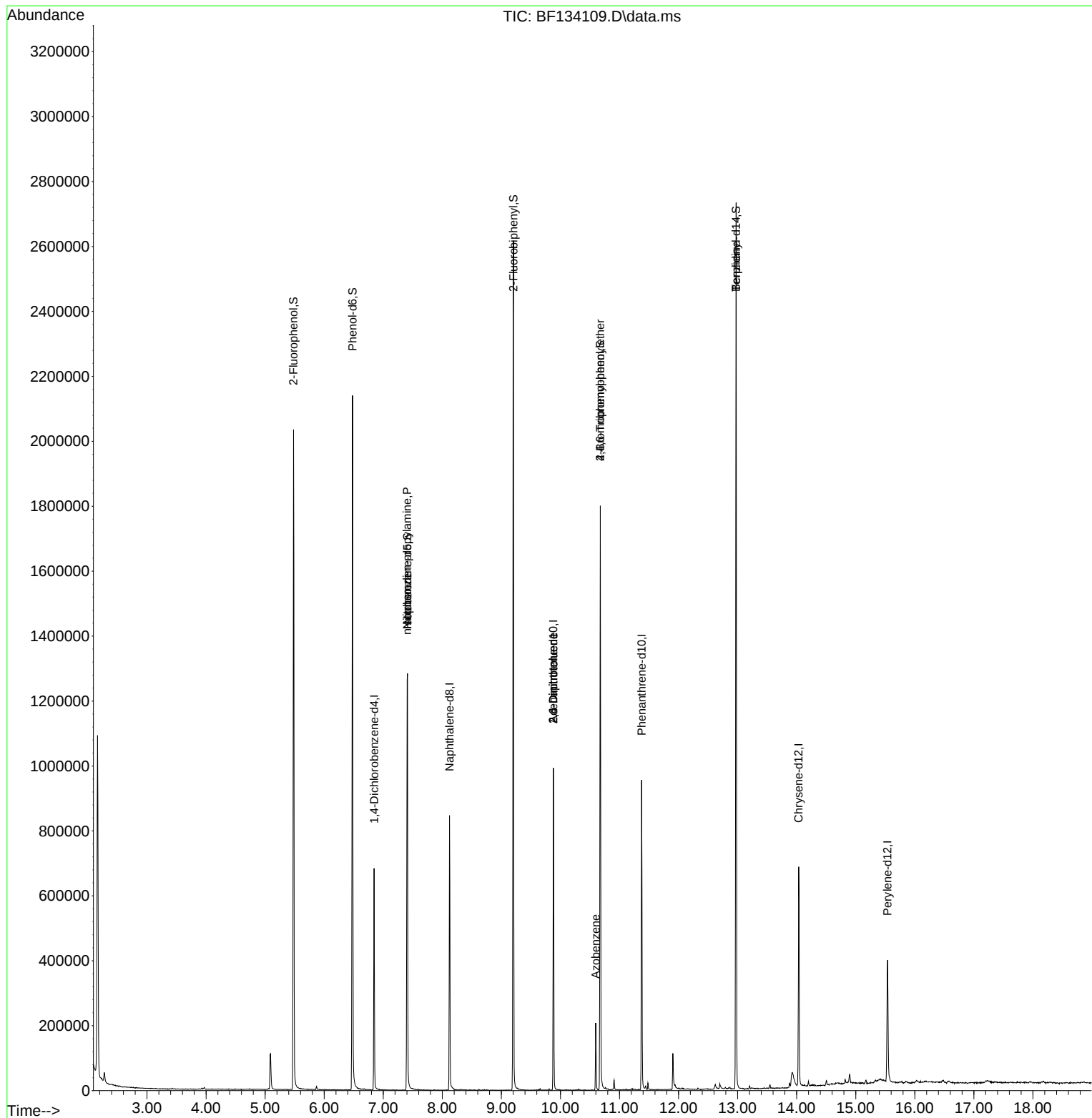
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	91311	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	362072	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	179914	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	346667	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	233930	20.000	ng	#-0.02
86) Perylene-d12	15.539	264	189958	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	528137	96.752	ng	0.00
7) Phenol-d6	6.481	99	620047	92.364	ng	-0.01
23) Nitrobenzene-d5	7.410	82	430218	64.051	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	210726	93.417	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	804822	65.038	ng	0.00
79) Terphenyl-d14	12.974	244	891023	61.302	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.481	77	1071	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	59936	14.079	ng	# 78
25) Isophorone	7.410	82	430213	35.242	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	22945	8.157	ng	# 23
57) 2,4-Dinitrotoluene	9.880	165	22945	6.177	ng	# 22
63) Azobenzene	10.598	77	34097	2.649	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	12529	3.400	ng	# 1
77) Benzidine	12.974	184	13543	2.433	ng	# 92

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

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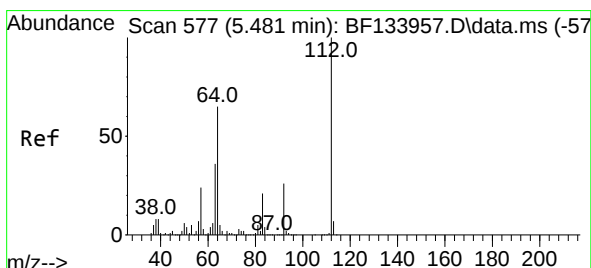
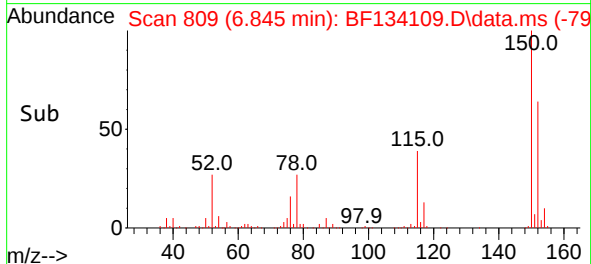
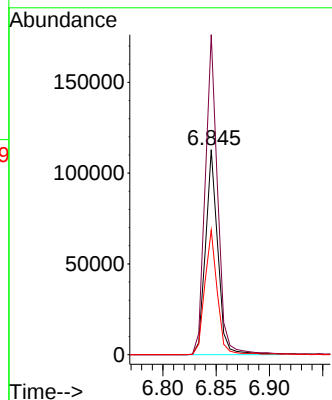
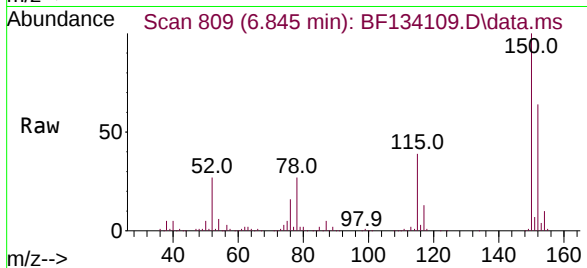




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

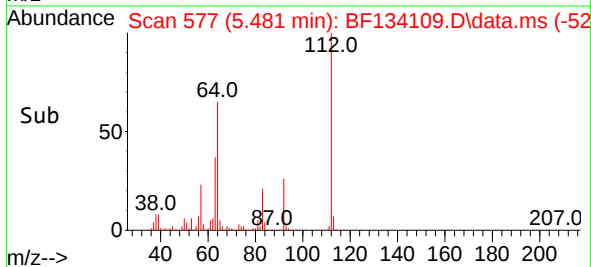
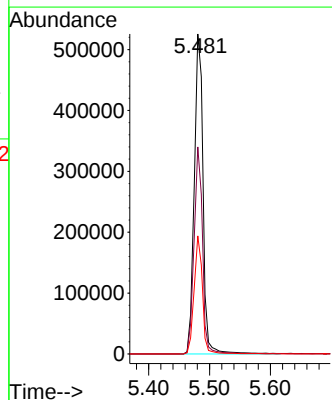
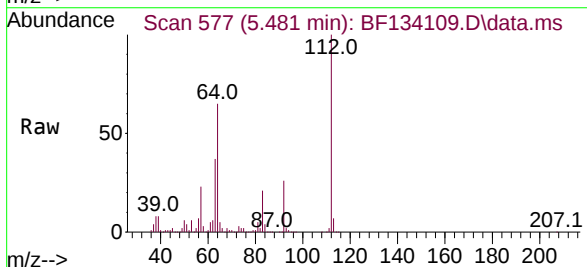
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 91311
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 60.8 50.2 75.2



#5
2-Fluorophenol
Concen: 96.752 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

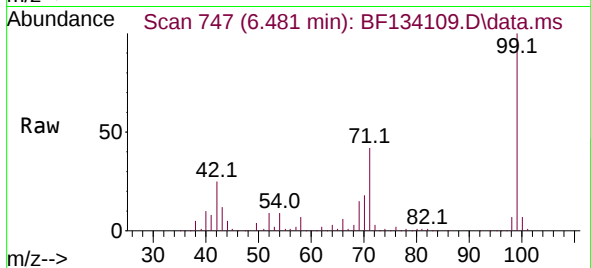
Tgt Ion:112 Resp: 528137
Ion Ratio Lower Upper
112 100
64 64.7 52.1 78.1
63 36.9 28.6 42.8



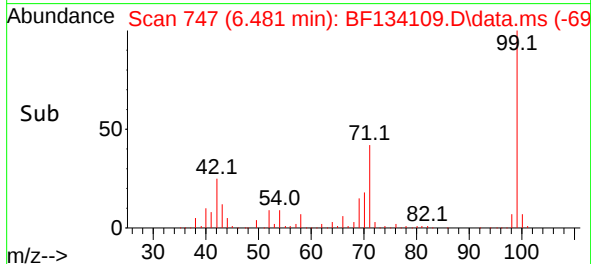
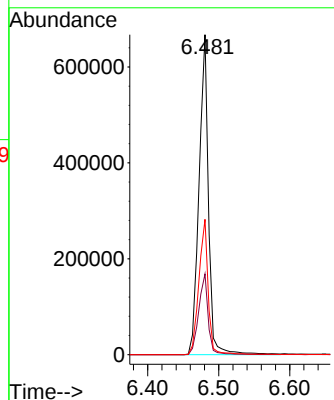


#7
Phenol-d6
Concen: 92.364 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

Instrument :
BNA_F
ClientSampleId :

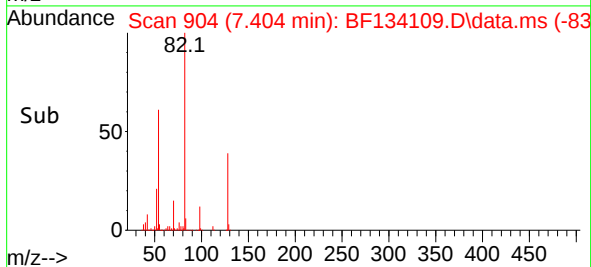
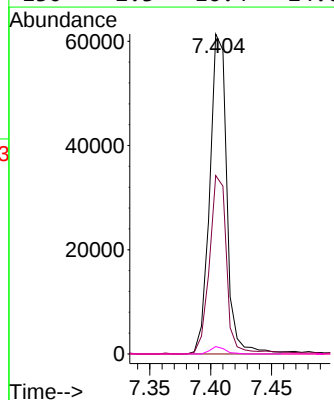
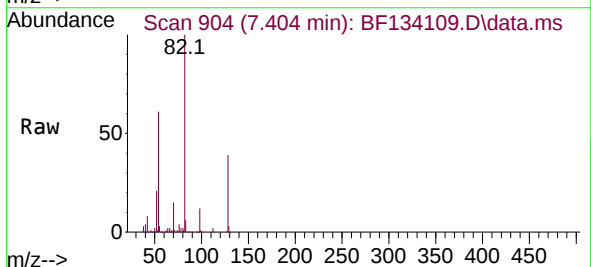


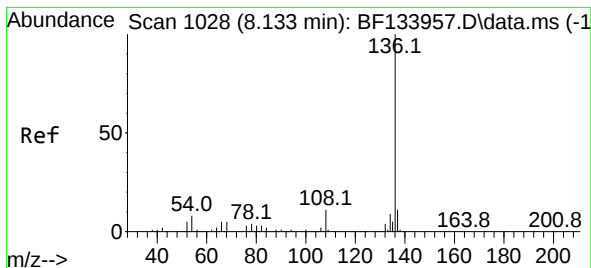
Tgt Ion: 99 Resp: 620047
Ion Ratio Lower Upper
99 100
42 25.3 19.8 29.6
71 42.3 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 14.079 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

Tgt Ion: 70 Resp: 59936
Ion Ratio Lower Upper
70 100
42 55.7 54.7 82.1
101 0.0 7.7 11.5#
130 2.3 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1

Delta R.T. -0.012 min

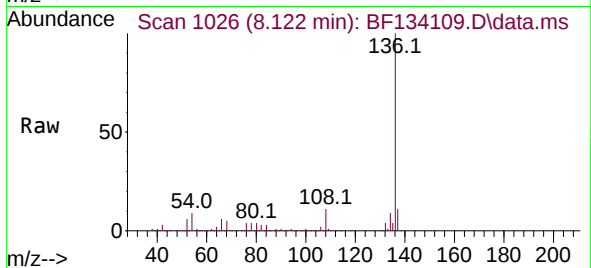
Lab File: BF134109.D

Acq: 06 Jul 2023 21:53

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 362072

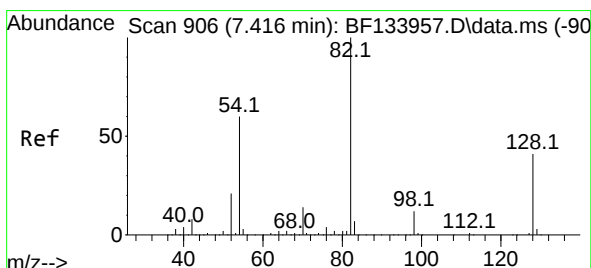
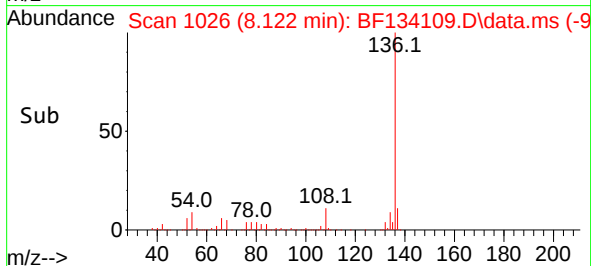
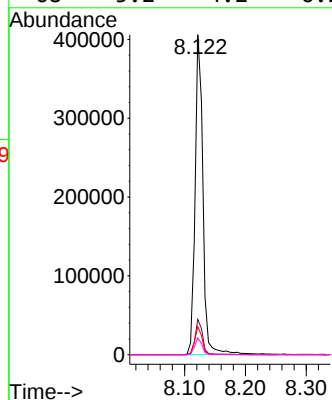
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 8.8 6.5 9.7

68 5.2 4.2 6.2



#23

Nitrobenzene-d5

Concen: 64.051 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF134109.D

Acq: 06 Jul 2023 21:53

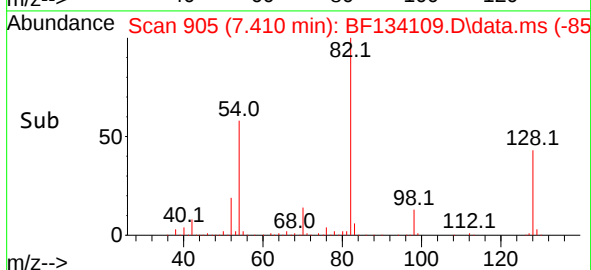
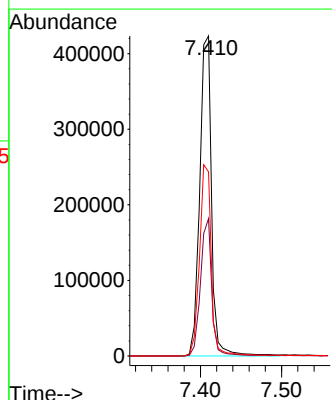
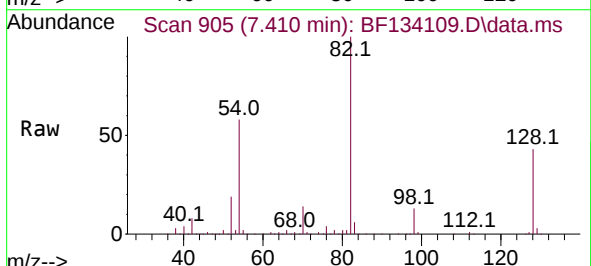
Tgt Ion: 82 Resp: 430218

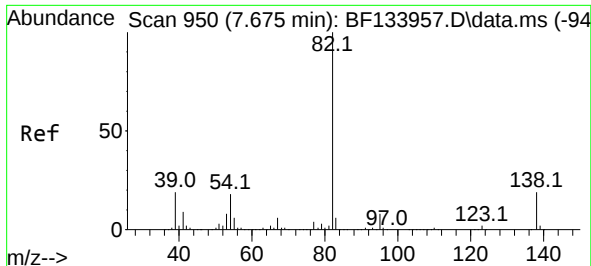
Ion Ratio Lower Upper

82 100

128 42.9 32.5 48.7

54 57.5 48.2 72.2

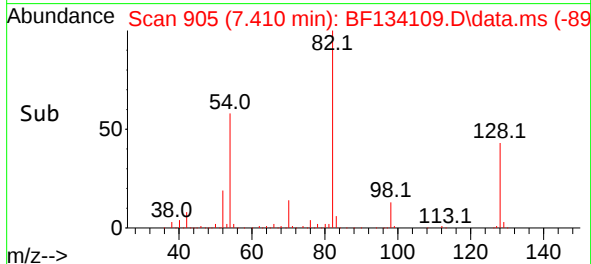
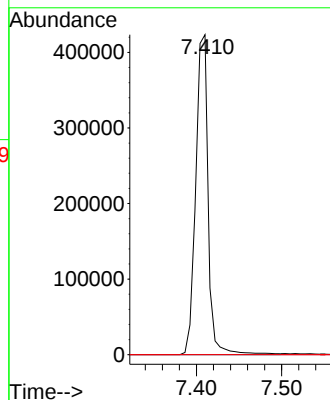
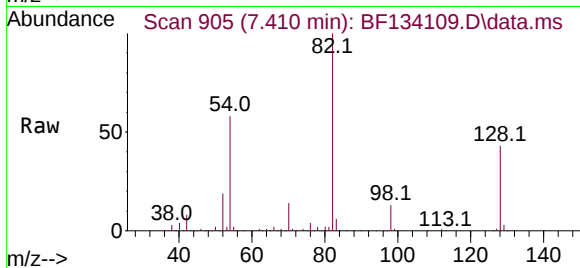




#25
Isophorone
Concen: 35.242 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

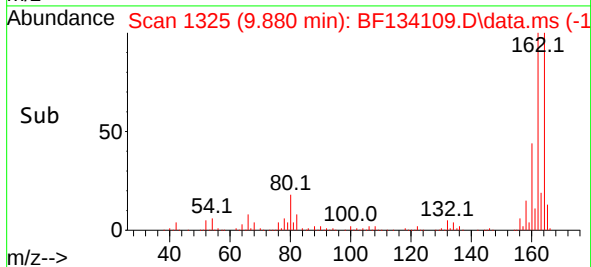
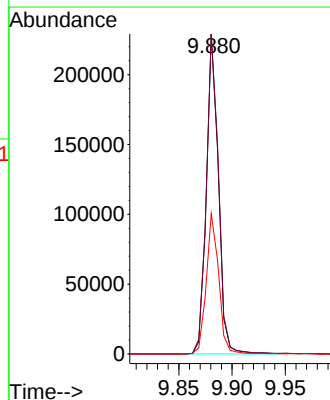
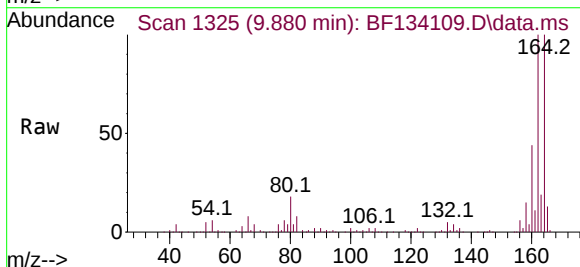
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 430213
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: BF134109.D
Acq: 06 Jul 2023 21:53

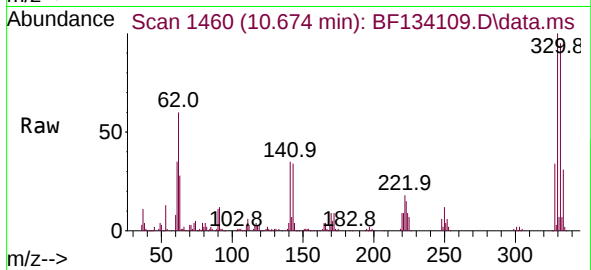
Tgt Ion:164 Resp: 179914
Ion Ratio Lower Upper
164 100
162 99.9 80.0 120.0
160 43.9 35.9 53.9



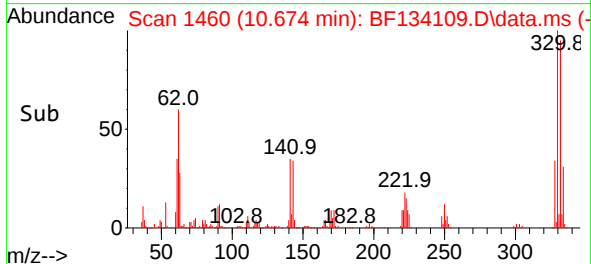
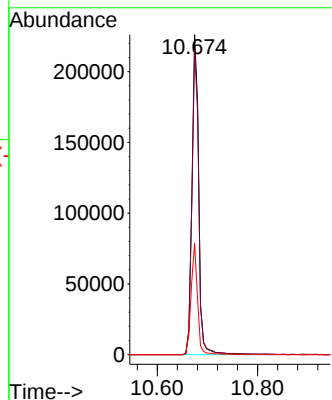


#42
2,4,6-Tribromophenol
Concen: 93.417 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

Instrument :
BNA_F
ClientSampleId :

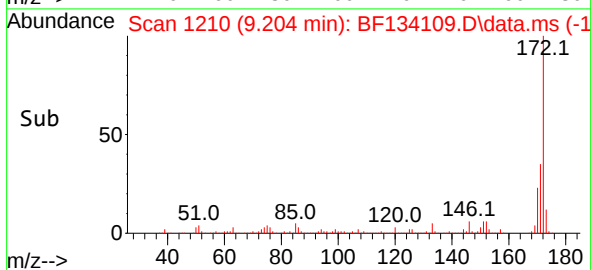
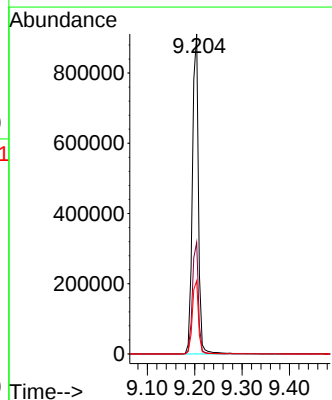
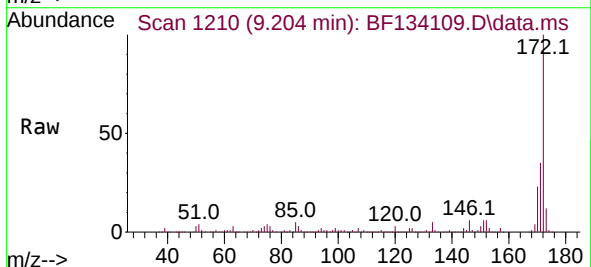


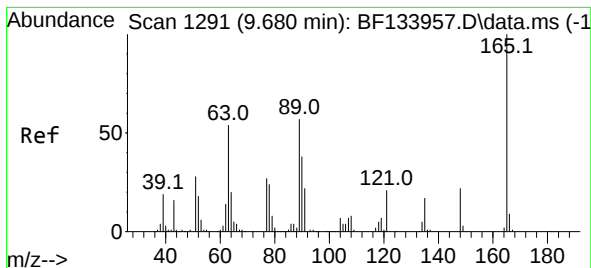
Tgt Ion:330 Resp: 210726
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 33.3 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 65.038 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

Tgt Ion:172 Resp: 804822
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 22.9 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.157 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134109.D

Acq: 06 Jul 2023 21:53

Instrument :

BNA_F

ClientSampleId :

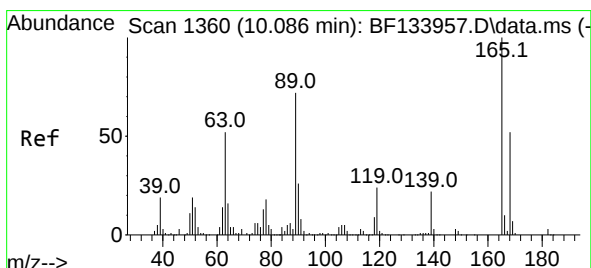
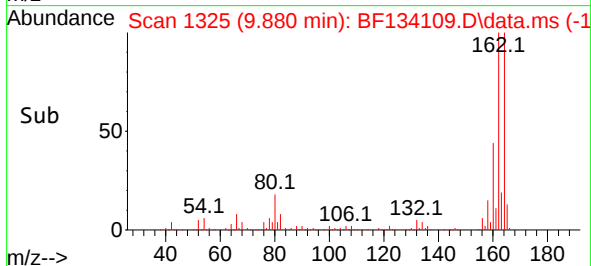
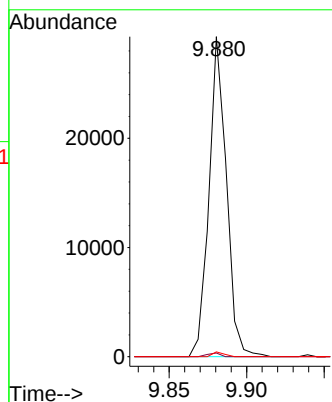
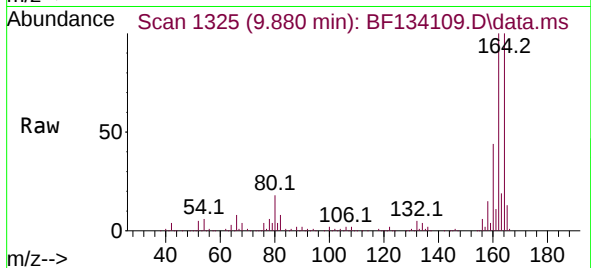
Tgt Ion:165 Resp: 22945

Ion Ratio Lower Upper

165 100

63 1.2 48.5 72.7#

89 1.5 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.177 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.206 min

Lab File: BF134109.D

Acq: 06 Jul 2023 21:53

Tgt Ion:165 Resp: 22945

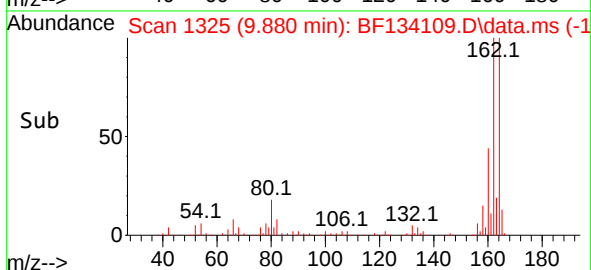
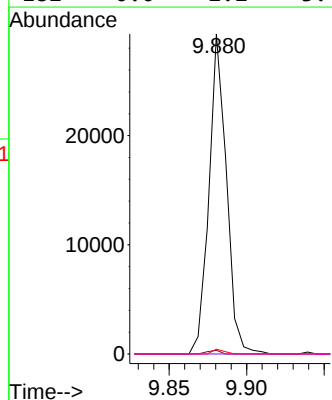
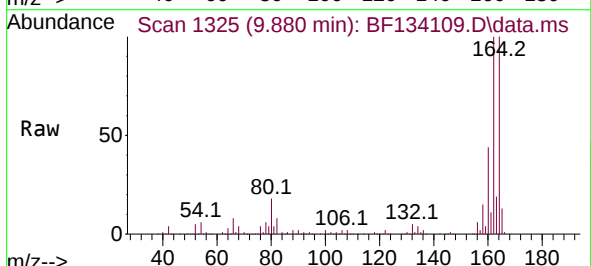
Ion Ratio Lower Upper

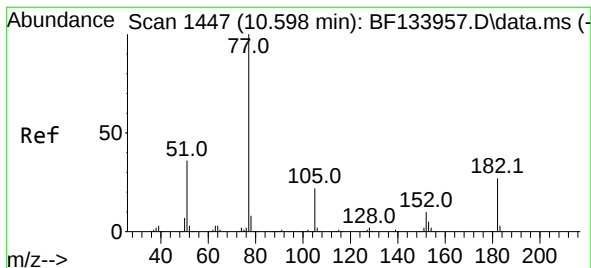
165 100

63 1.2 42.2 63.2#

89 1.5 57.4 86.2#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.649 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.000 min

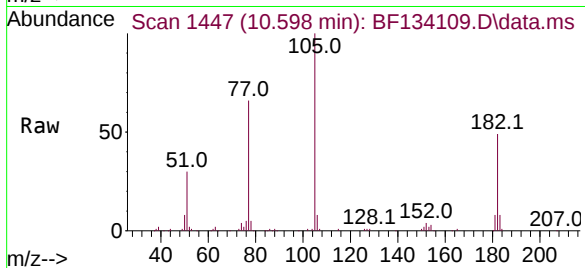
Lab File: BF134109.D

Acq: 06 Jul 2023 21:53

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 34097

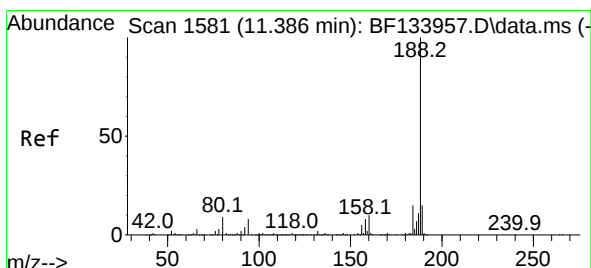
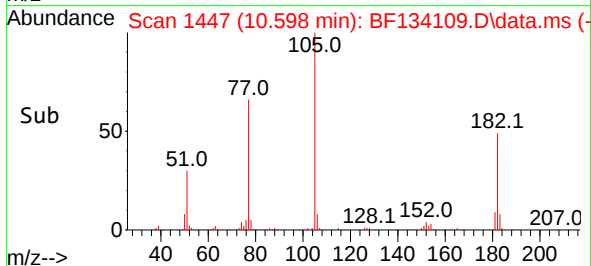
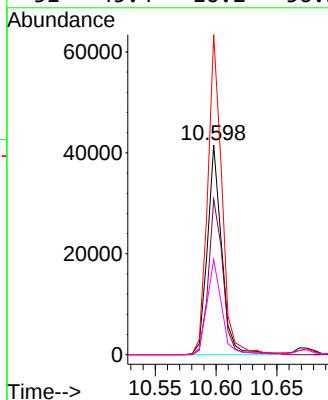
Ion Ratio Lower Upper

77 100

182 74.1 6.8 46.8#

105 152.6 2.3 42.3#

51 45.4 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: BF134109.D

Acq: 06 Jul 2023 21:53

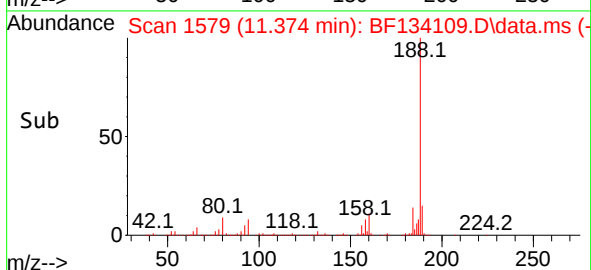
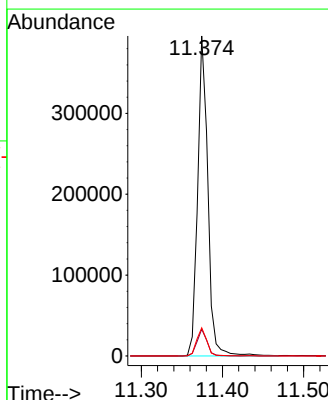
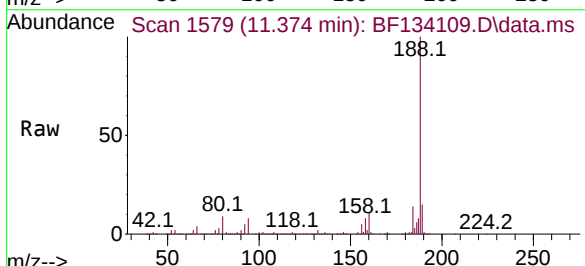
Tgt Ion: 188 Resp: 346667

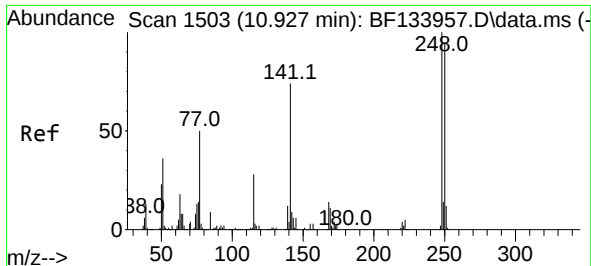
Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 8.8 7.3 10.9

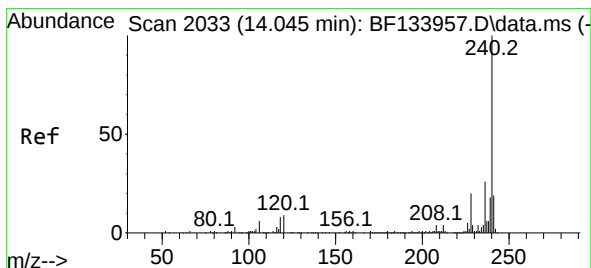
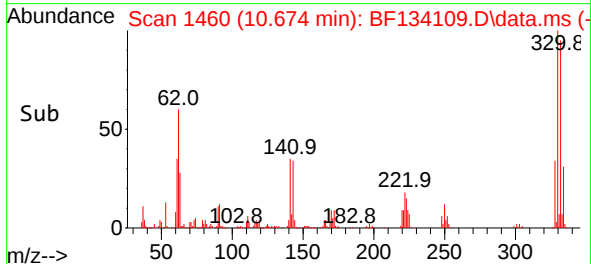
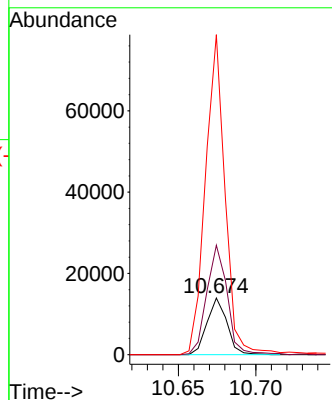
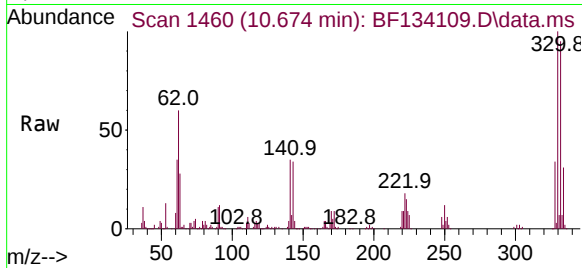




#67
4-Bromophenyl-phenylether
Concen: 3.400 ng
RT: 10.674 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

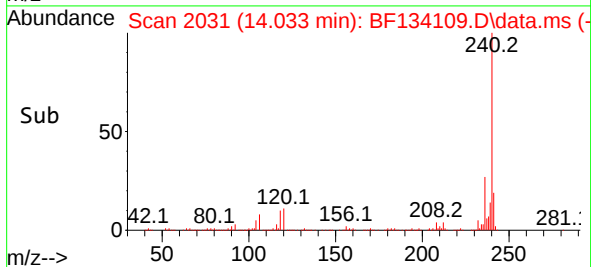
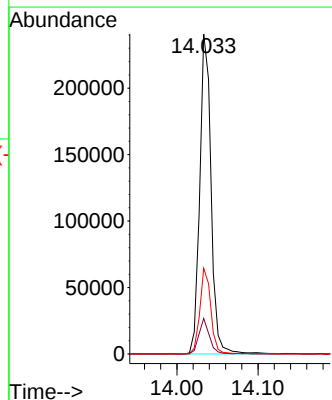
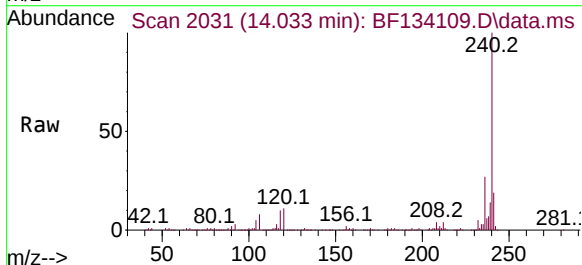
Instrument :
BNA_F
ClientSampleId :

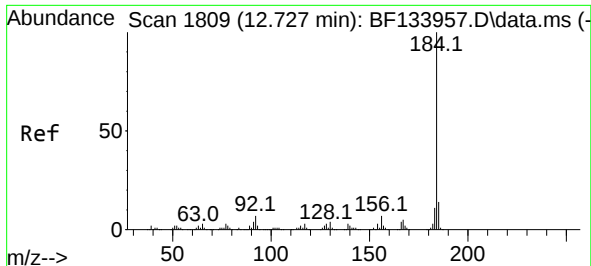
Tgt Ion:248 Resp: 12529
Ion Ratio Lower Upper
248 100
250 192.9 76.2 114.4#
141 564.2 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

Tgt Ion:240 Resp: 233930
Ion Ratio Lower Upper
240 100
120 11.1 7.4 11.0#
236 26.7 21.0 31.6

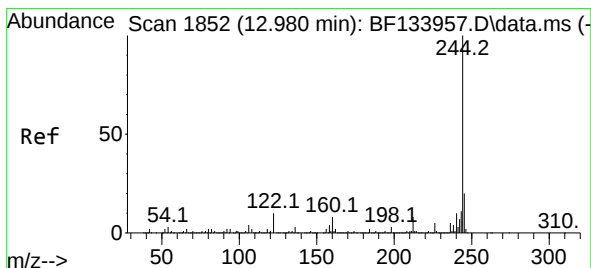
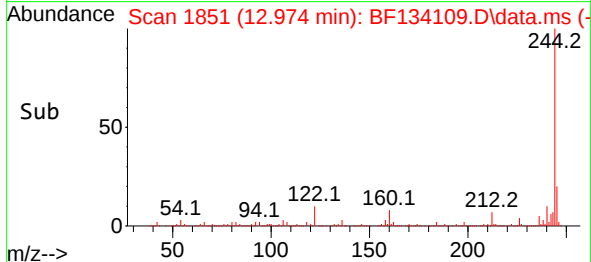
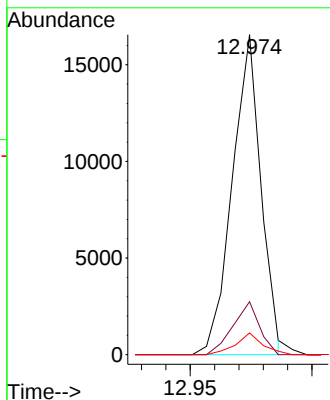
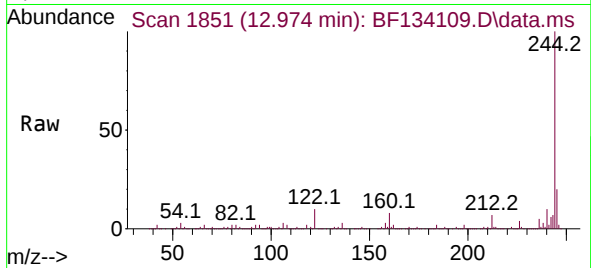




#77
Benzidine
Concen: 2.433 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

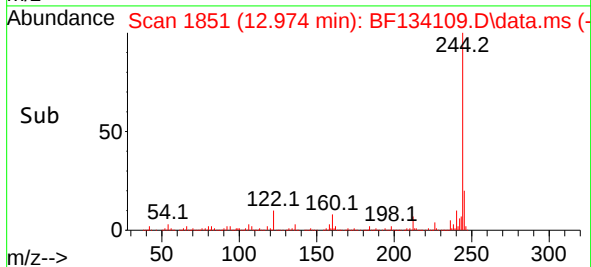
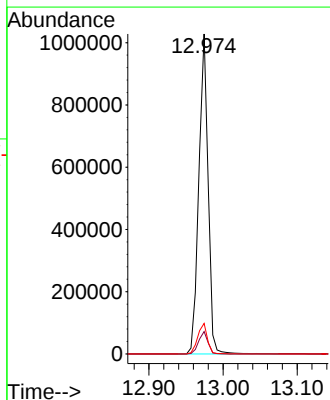
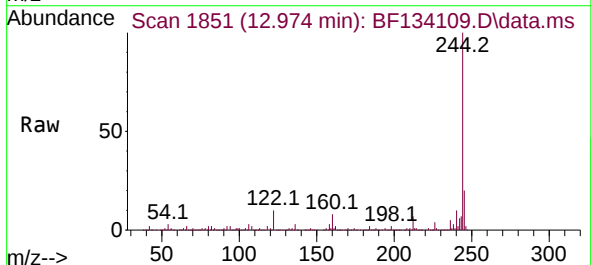
Instrument :
BNA_F
ClientSampleId :

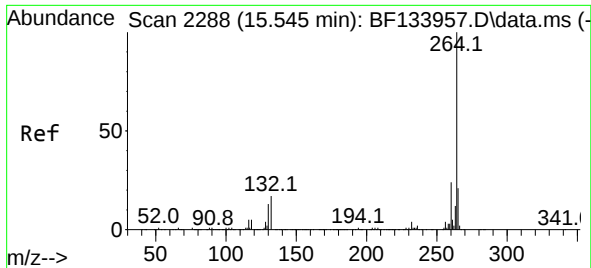
Tgt Ion:184 Resp: 13543
Ion Ratio Lower Upper
184 100
185 16.6 11.6 17.4
183 6.8 8.8 13.2#



#79
Terphenyl-d14
Concen: 61.302 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF134109.D
Acq: 06 Jul 2023 21:53

Tgt Ion:244 Resp: 891023
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.6 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: BF134109.D
 Acq: 06 Jul 2023 21:53

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:264 Resp: 189958
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.5 29.3
 265 20.5 16.6 25.0

