

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
 Data File : BF133402.D
 Acq On : 16 May 2023 15:04
 Operator : CG\JU
 Sample : 02781-01RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP-WASTE-WASTER-5/12/23RE

Quant Time: May 16 15:40:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

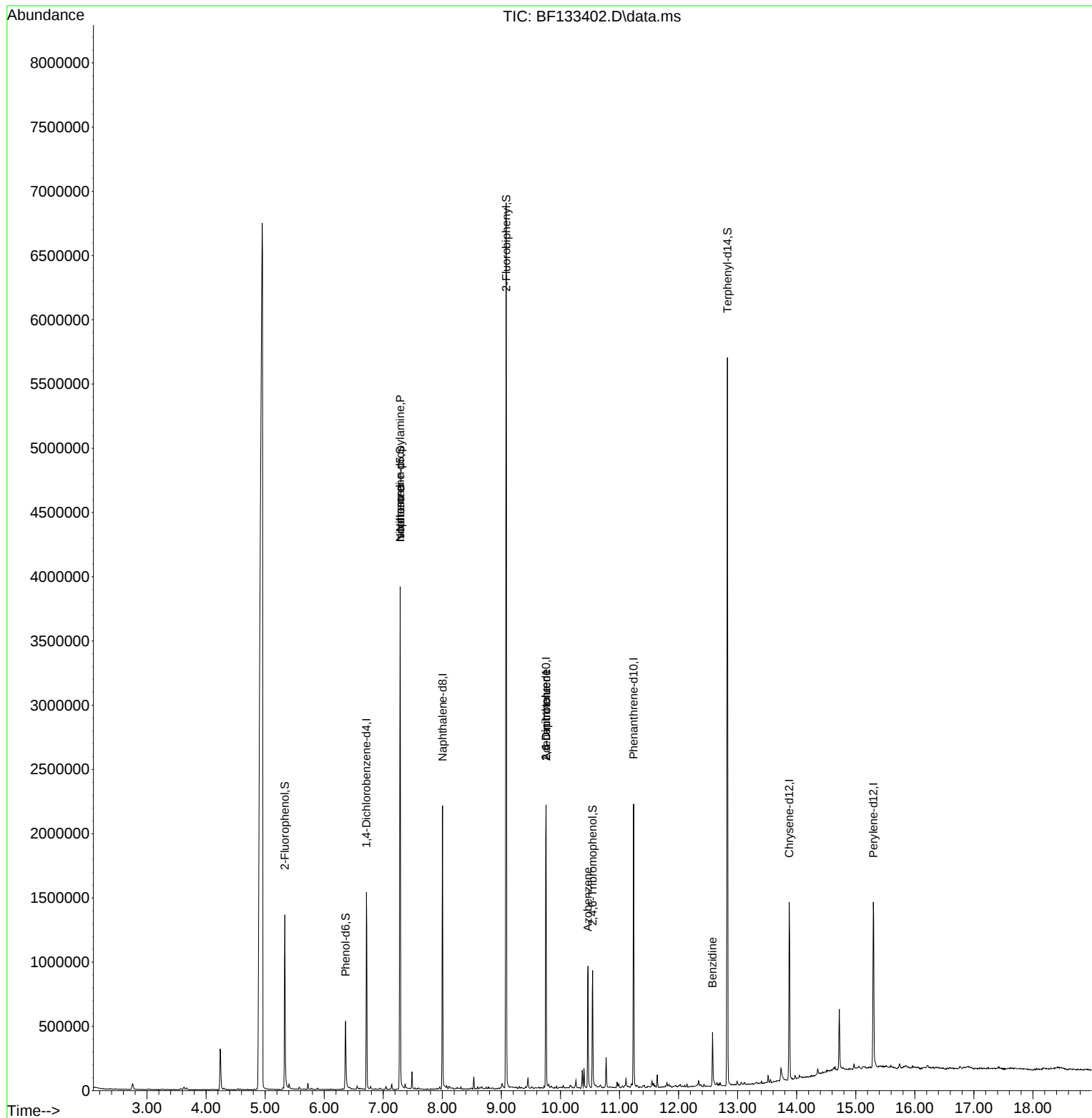
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	221752	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	876796	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	440578	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	731575	20.000	ng	0.00
76) Chrysene-d12	13.874	240	448035	20.000	ng	-0.01
86) Perylene-d12	15.298	264	561317	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	404355	27.545	ng	0.00
7) Phenol-d6	6.363	99	192243	10.551	ng	0.00
23) Nitrobenzene-d5	7.286	82	1195575	73.601	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	108760	24.546	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	2173661	82.540	ng	0.00
79) Terphenyl-d14	12.827	244	1967753	75.747	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.257	77	224	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.286	70	156711	13.815	ng	# 75
25) Isophorone	7.286	82	1195562	38.765	ng	# 63
51) 2,6-Dinitrotoluene	9.757	165	58449	8.453	ng	# 24
57) 2,4-Dinitrotoluene	9.757	165	58449	6.629	ng	# 23
63) Azobenzene	10.463	77	162484	5.286	ng	# 1
77) Benzidine	12.574	184	160982	21.248	ng	# 94

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

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Quant Time: May 16 15:40:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
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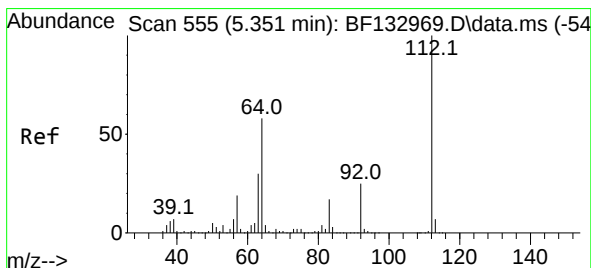
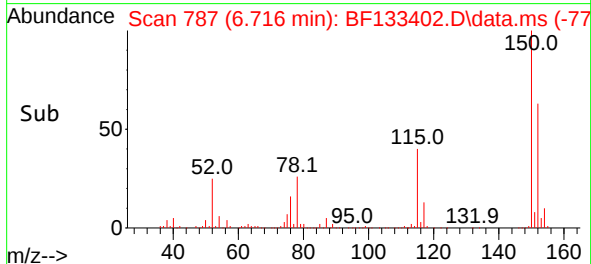
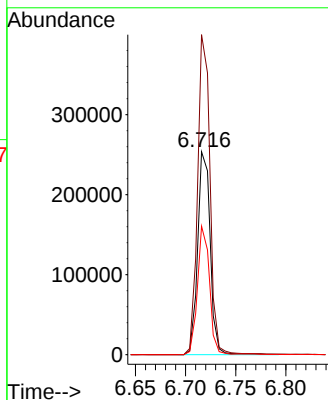
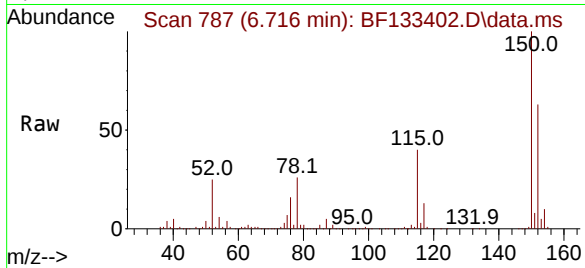




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

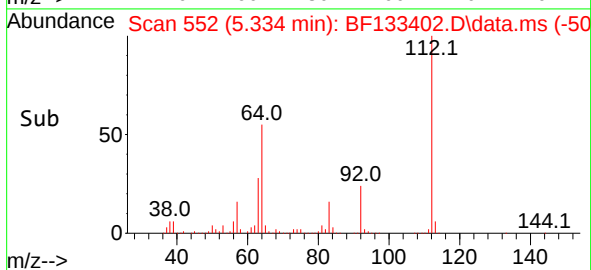
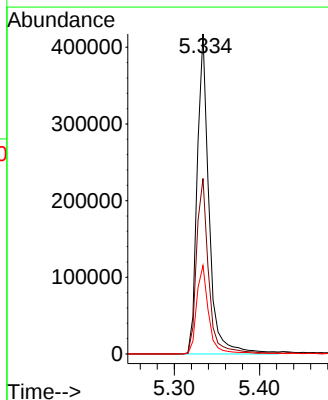
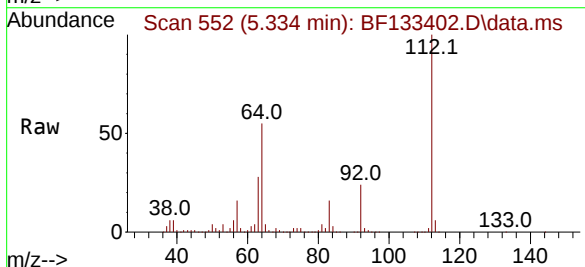
Instrument :
BNA_F
ClientSampleId :
MGP-WASTE-WASTER-5/12/23RE

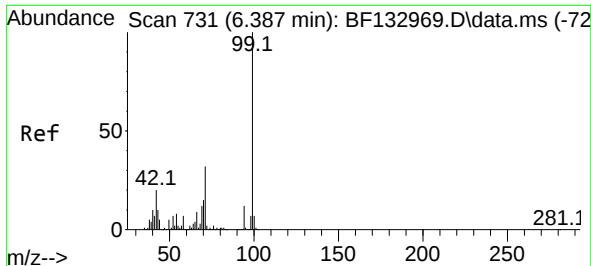
Tgt Ion:152 Resp: 221752
Ion Ratio Lower Upper
152 100
150 157.8 124.8 187.2
115 63.3 49.9 74.9



#5
2-Fluorophenol
Concen: 27.545 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

Tgt Ion:112 Resp: 404355
Ion Ratio Lower Upper
112 100
64 54.9 46.8 70.2
63 27.7 23.8 35.8

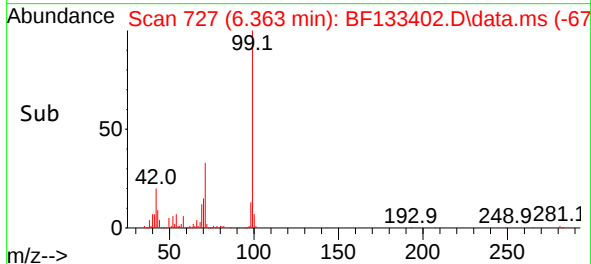
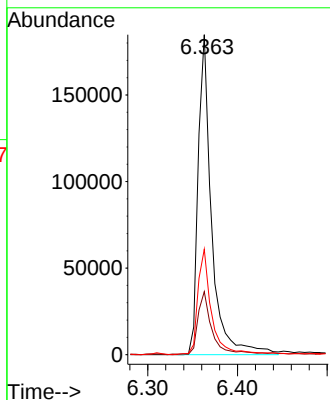
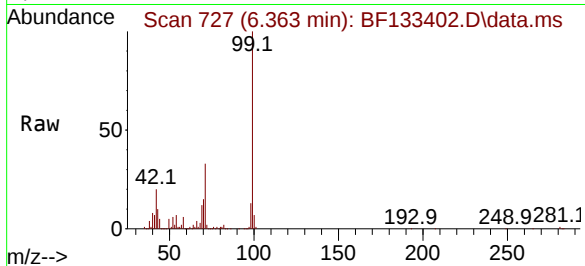




#7
Phenol-d6
Concen: 10.551 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

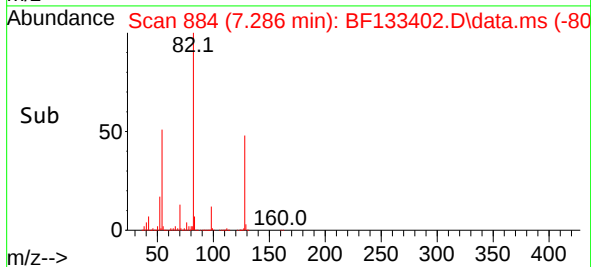
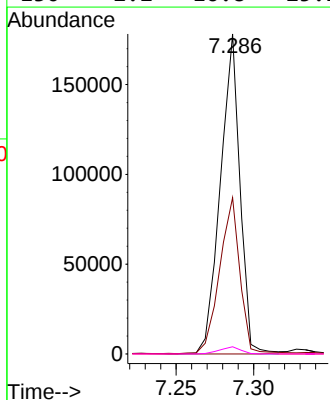
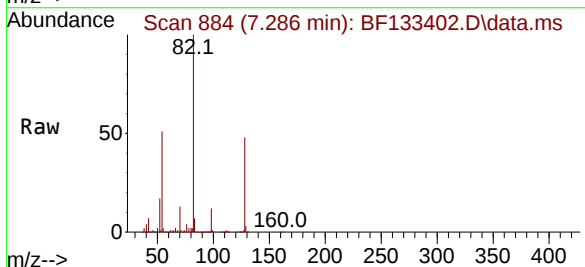
Instrument :
BNA_F
ClientSampleId :
MGP-WASTE-WASTER-5/12/23RE

Tgt Ion: 99 Resp: 192243
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 33.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.815 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

Tgt Ion: 70 Resp: 156711
Ion Ratio Lower Upper
70 100
42 48.9 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

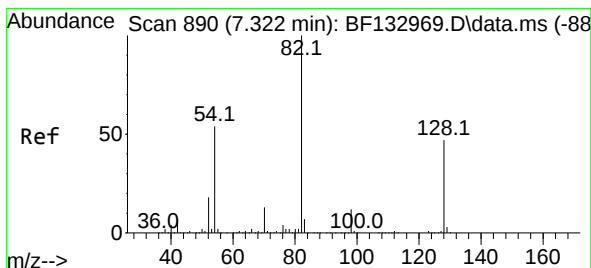
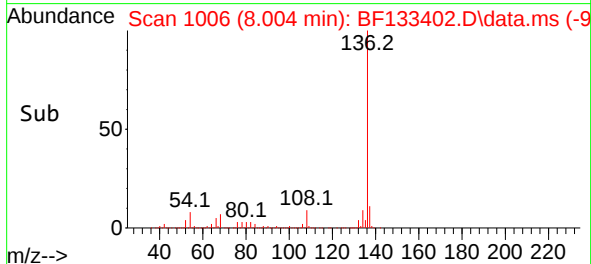
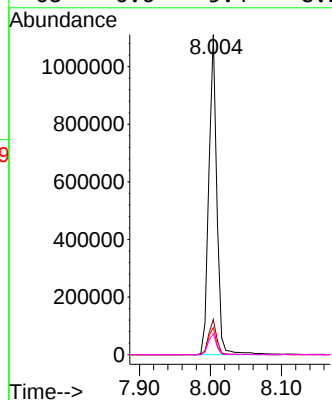
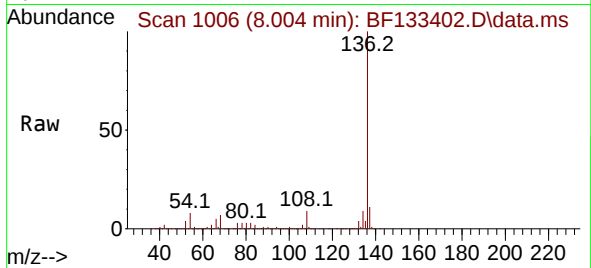




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

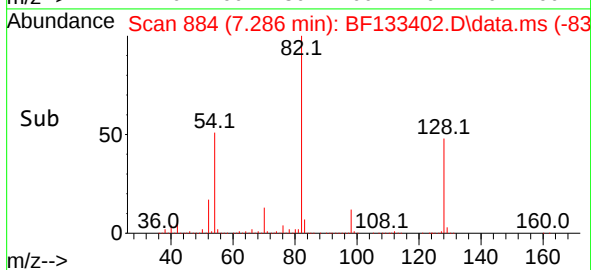
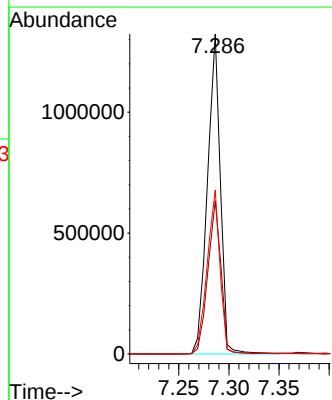
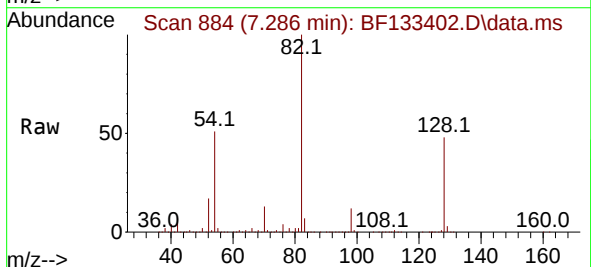
Instrument :
BNA_F
ClientSampleId :
MGP-WASTE-WASTER-5/12/23RE

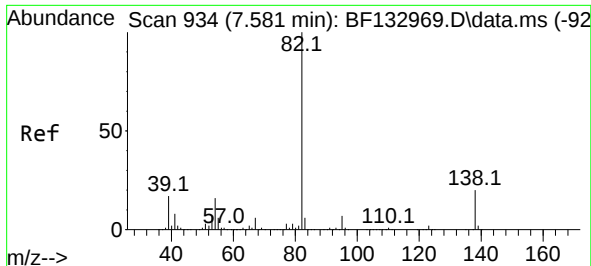
Tgt Ion:136 Resp: 876796
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.5 7.0 10.4
68 6.6 5.4 8.2



#23
Nitrobenzene-d5
Concen: 73.601 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

Tgt Ion: 82 Resp: 1195575
Ion Ratio Lower Upper
82 100
128 47.9 37.7 56.5
54 51.2 43.0 64.4





#25

Isophorone

Concen: 38.765 ng

RT: 7.286 min Scan# 81

Delta R.T. -0.265 min

Lab File: BF133402.D

Acq: 16 May 2023 15:04

Instrument :

BNA_F

ClientSampleId :

MGP-WASTE-WASTER-5/12/23RE

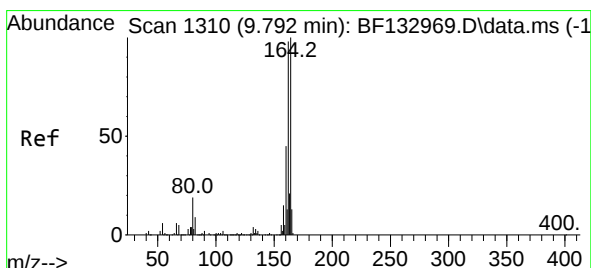
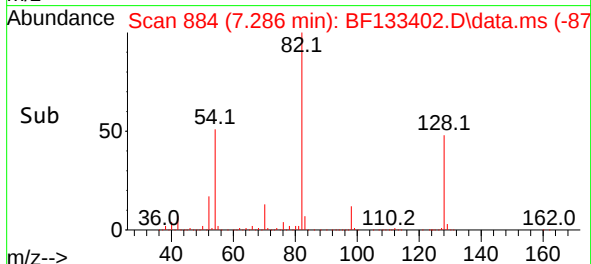
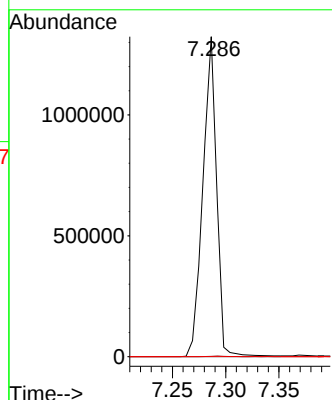
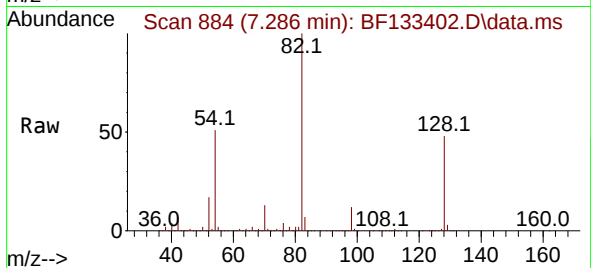
Tgt Ion: 82 Resp: 1195562

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

138 0.0 16.0 24.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF133402.D

Acq: 16 May 2023 15:04

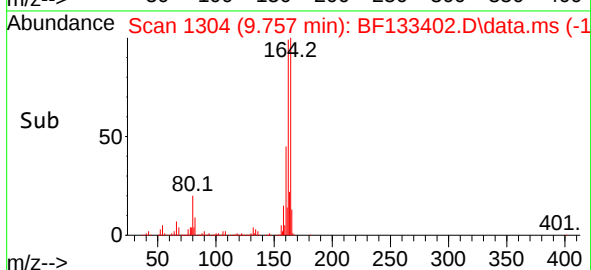
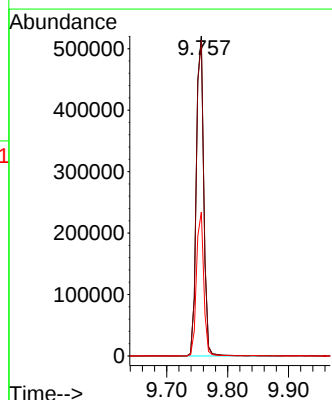
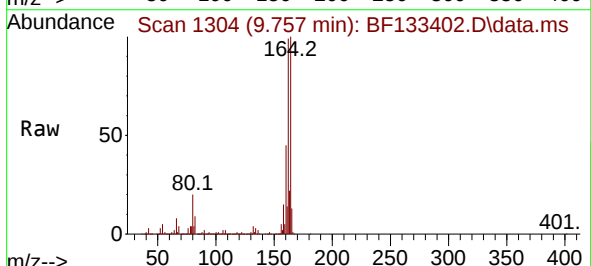
Tgt Ion:164 Resp: 440578

Ion Ratio Lower Upper

164 100

162 98.6 78.7 118.1

160 44.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 24.546 ng

RT: 10.545 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133402.D

Acq: 16 May 2023 15:04

Instrument :

BNA_F

ClientSampleId :

MGP-WASTE-WASTER-5/12/23RE

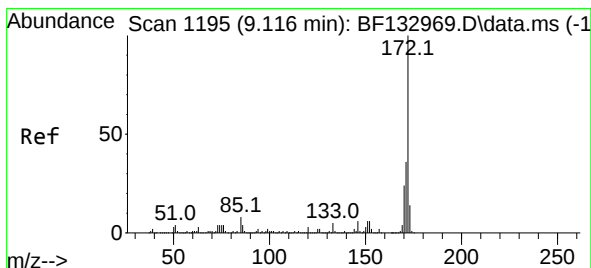
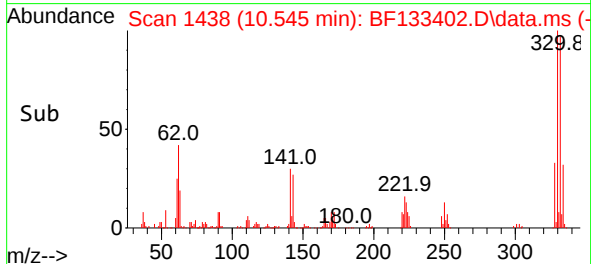
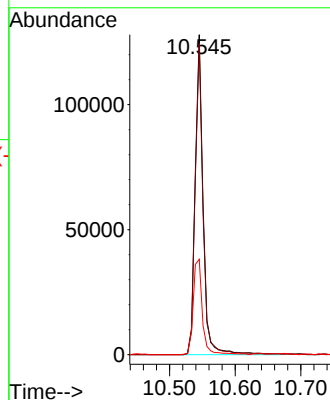
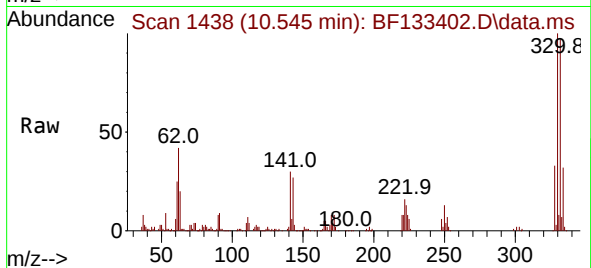
Tgt Ion:330 Resp: 108760

Ion Ratio Lower Upper

330 100

332 95.0 77.1 115.7

141 34.2 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 82.540 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133402.D

Acq: 16 May 2023 15:04

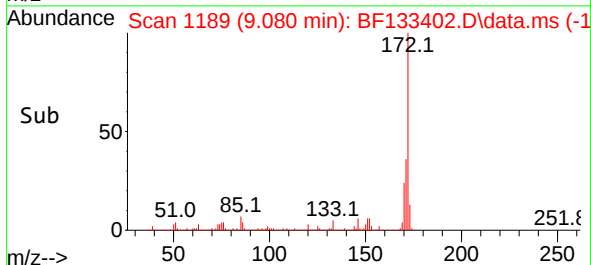
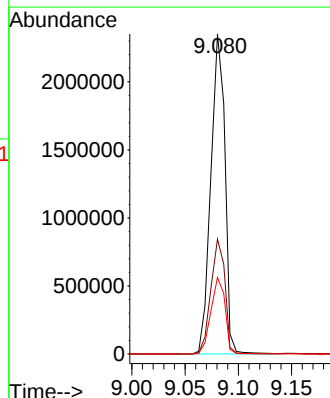
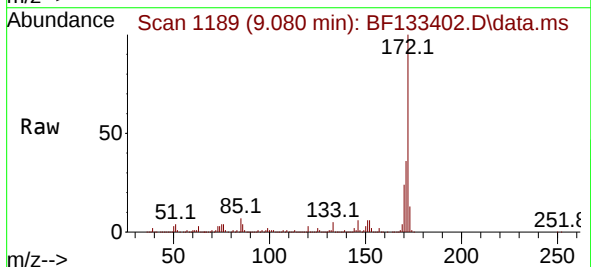
Tgt Ion:172 Resp: 2173661

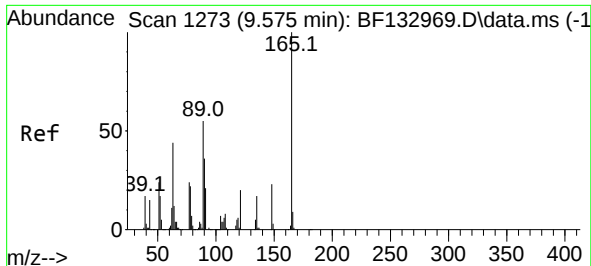
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.9 19.4 29.2

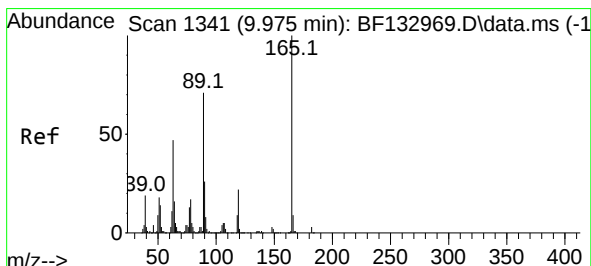
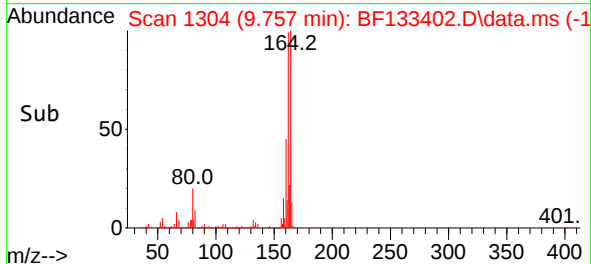
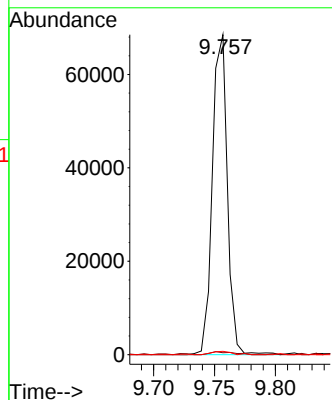
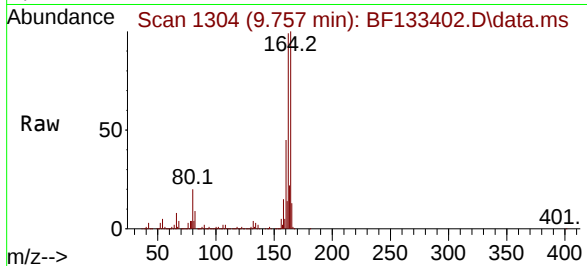




#51
2,6-Dinitrotoluene
Concen: 8.453 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

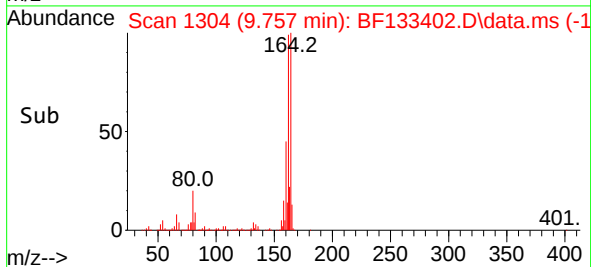
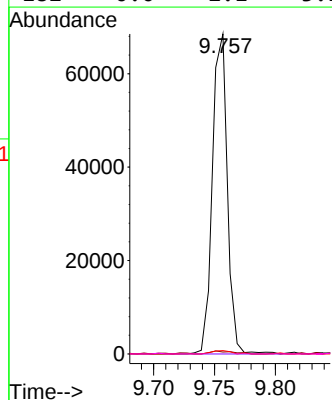
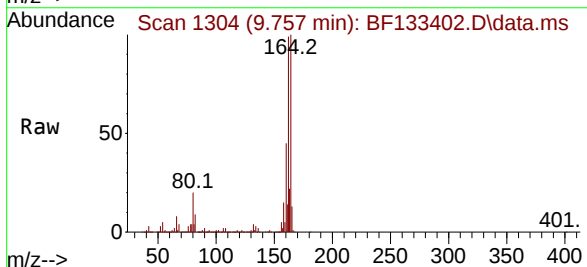
Instrument :
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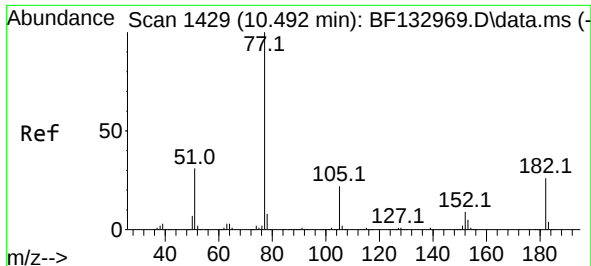
Tgt Ion:165 Resp: 58449
Ion Ratio Lower Upper
165 100
63 0.6 45.9 68.9#
89 1.1 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.629 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

Tgt Ion:165 Resp: 58449
Ion Ratio Lower Upper
165 100
63 0.6 37.7 56.5#
89 1.1 57.0 85.4#
182 0.0 2.1 3.1#

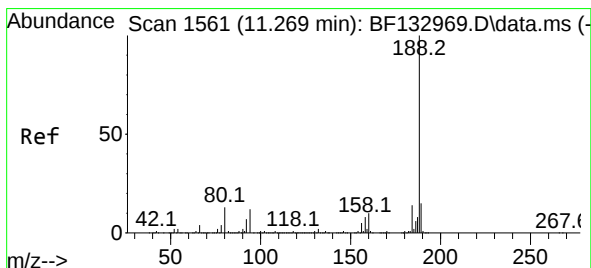
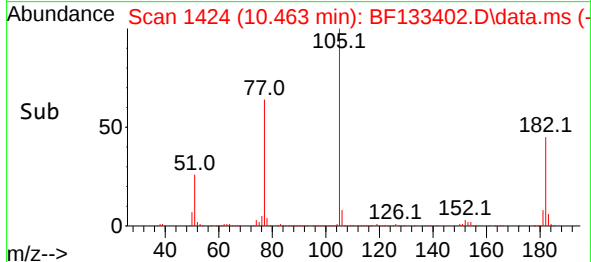
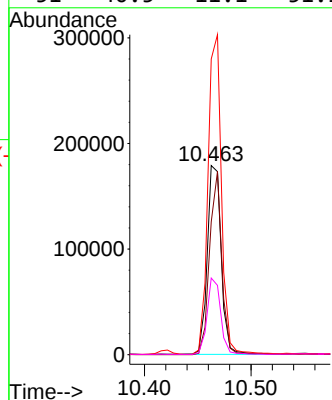
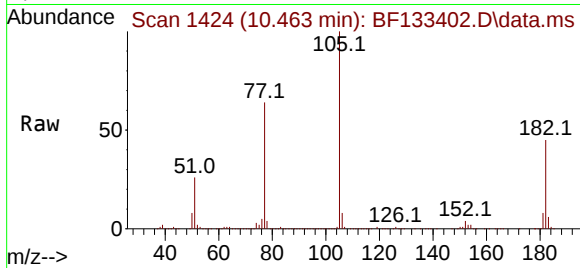




#63
Azobenzene
Concen: 5.286 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

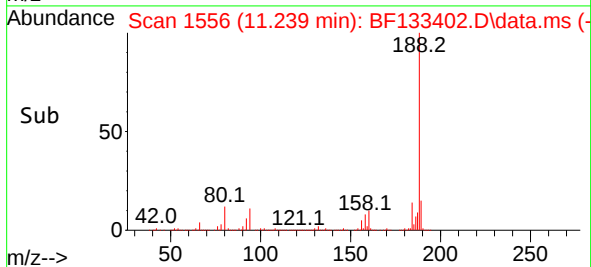
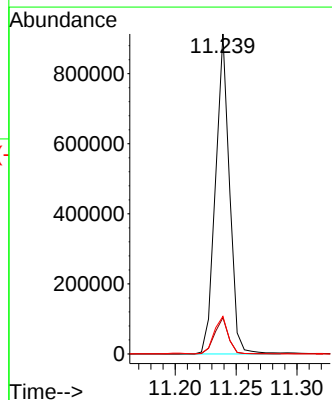
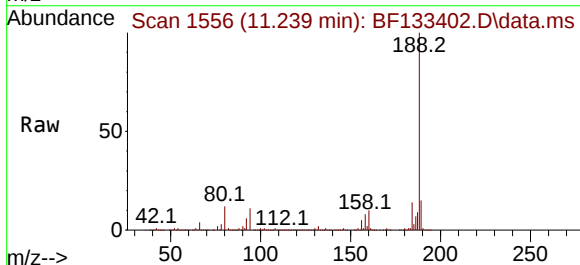
Instrument : BNA_F
ClientSampleId : MGP-WASTE-WASTER-5/12/23RE

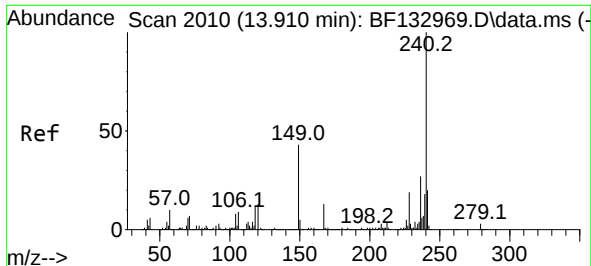
Tgt Ion: 77 Resp: 162484
Ion Ratio Lower Upper
77 100
182 70.2 5.9 45.9#
105 156.3 2.3 42.3#
51 40.5 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

Tgt Ion:188 Resp: 731575
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 11.7 10.4 15.6

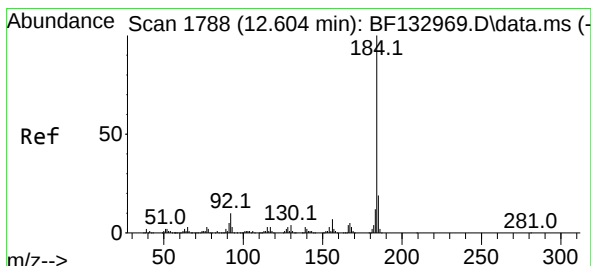
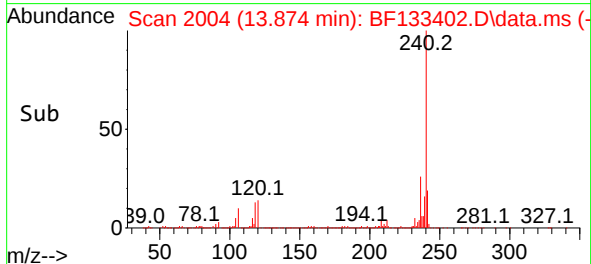
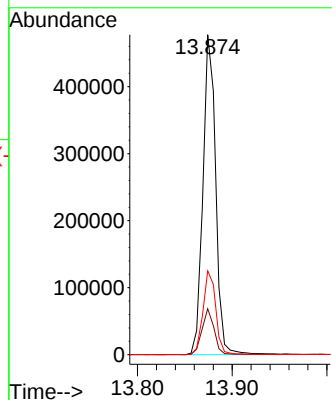
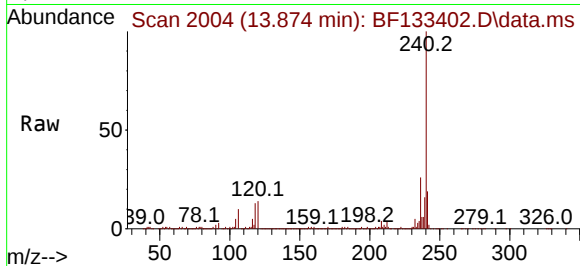




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

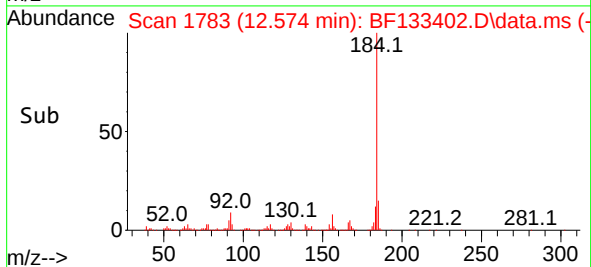
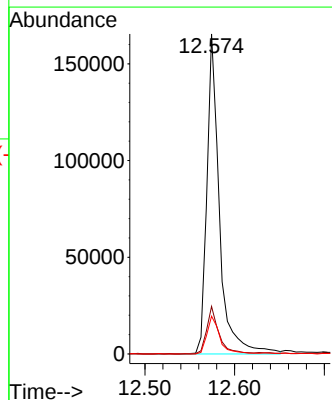
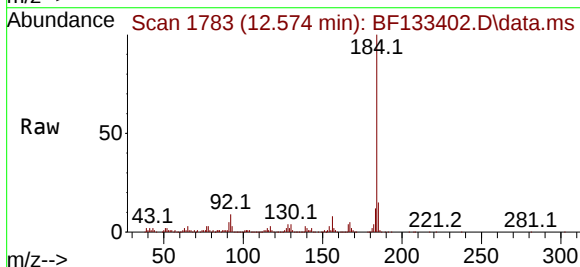
Instrument :
BNA_F
ClientSampleId :
MGP-WASTE-WASTER-5/12/23RE

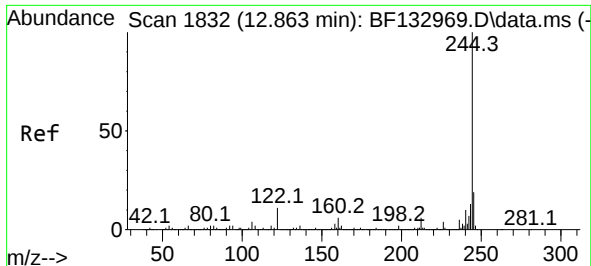
Tgt Ion:240 Resp: 448035
Ion Ratio Lower Upper
240 100
120 14.3 10.5 15.7
236 26.2 21.5 32.3



#77
Benzidine
Concen: 21.248 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

Tgt Ion:184 Resp: 160982
Ion Ratio Lower Upper
184 100
185 14.9 15.4 23.2#
183 11.8 9.4 14.0

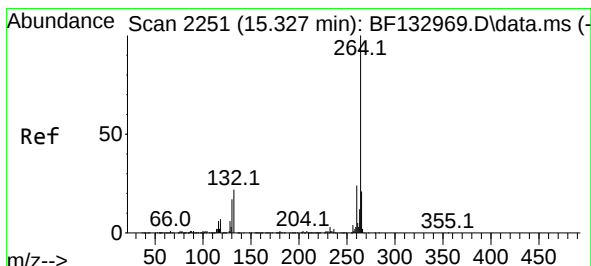
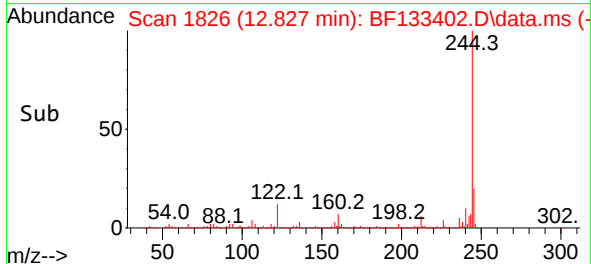
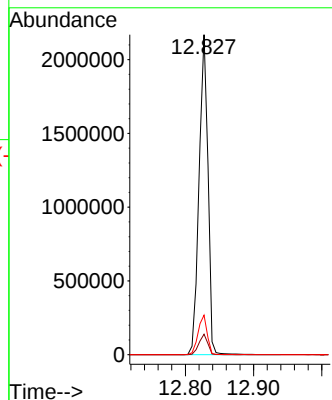
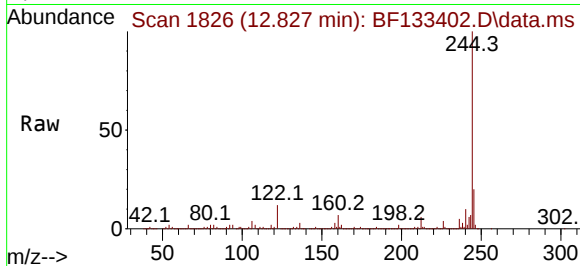




#79
 Terphenyl-d14
 Concen: 75.747 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF133402.D
 Acq: 16 May 2023 15:04

Instrument :
 BNA_F
 ClientSampleId :
 MGP-WASTE-WASTER-5/12/23RE

Tgt Ion:244 Resp: 1967753
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 12.4 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.298 min Scan# 2246
 Delta R.T. -0.006 min
 Lab File: BF133402.D
 Acq: 16 May 2023 15:04

Tgt Ion:264 Resp: 561317
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.8 28.2
 265 21.6 17.0 25.4

