

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052121\
 Data File : BF124020.D
 Acq On : 21 May 2021 16:08
 Operator : JU/CG
 Sample : M2366-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JG-SPOILS-5-11-21-A

Quant Time: May 21 16:31:53 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

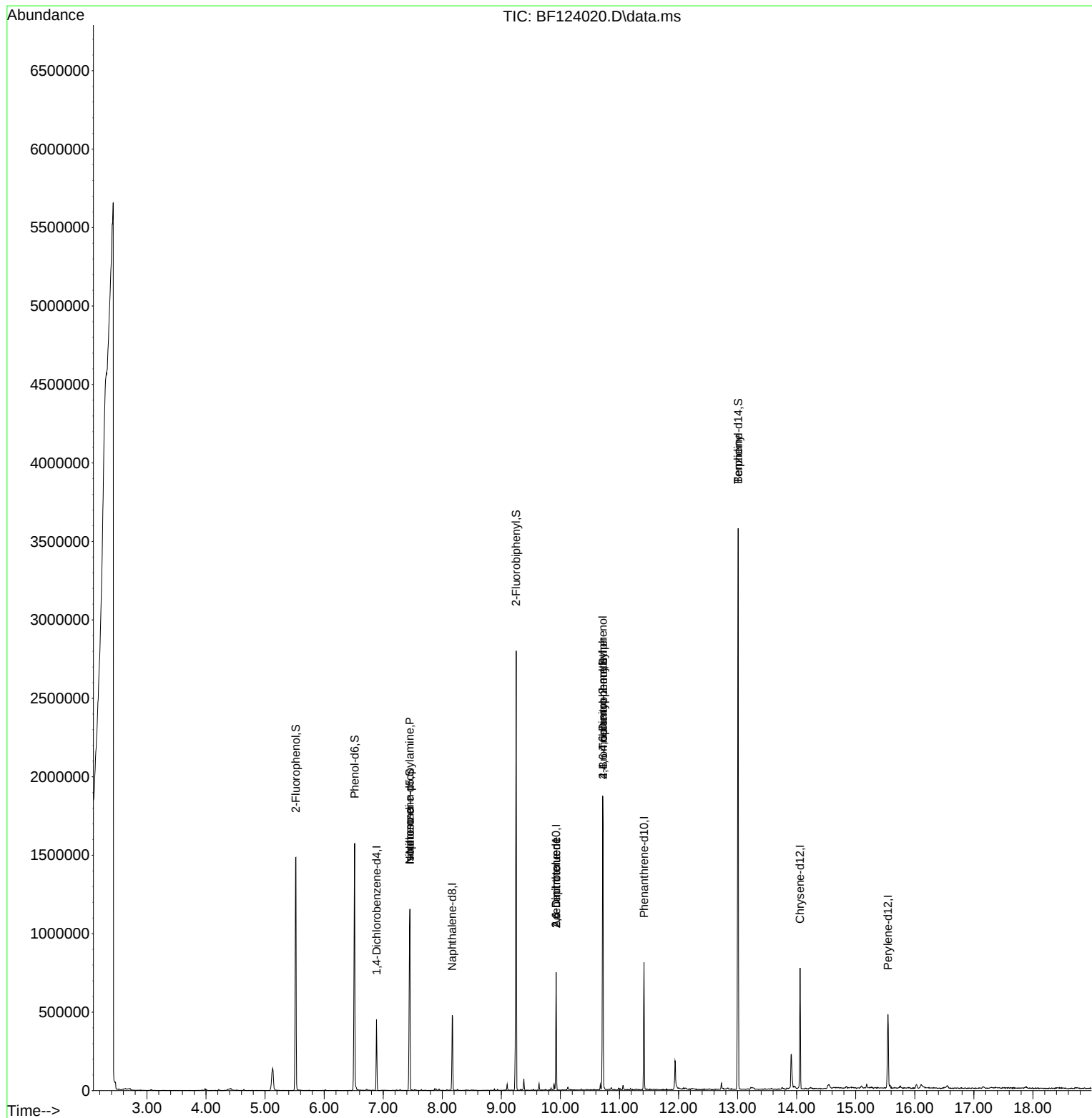
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	51755	20.00	ng	-0.02
21) Naphthalene-d8	8.169	136	209117	20.00	ng	#-0.02
39) Acenaphthene-d10	9.928	164	128284	20.00	ng	-0.02
64) Phenanthrene-d10	11.416	188	251886	20.00	ng	-0.01
76) Chrysene-d12	14.057	240	228058	20.00	ng	-0.01
86) Perylene-d12	15.545	264	204450	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	392102	106.37	ng	0.01
7) Phenol-d6	6.516	99	462726	96.77	ng	0.00
23) Nitrobenzene-d5	7.451	82	399690	82.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	198466	128.81	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	738674	70.86	ng	-0.01
79) Terphenyl-d14	13.010	244	1070405	71.09	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	55021	17.03	ng	# 79
25) Isophorone	7.451	82	399686	42.81	ng	# 69
51) 2,6-Dinitrotoluene	9.928	165	15817	7.64	ng	# 13
57) 2,4-Dinitrotoluene	9.928	165	15817	6.23	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.716	198	1003	5.99	ng	# 19
67) 4-Bromophenyl-phenylether	10.722	248	14544	4.39	ng	# 1
77) Benzidine	13.010	184	16156	2.94	ng	# 89

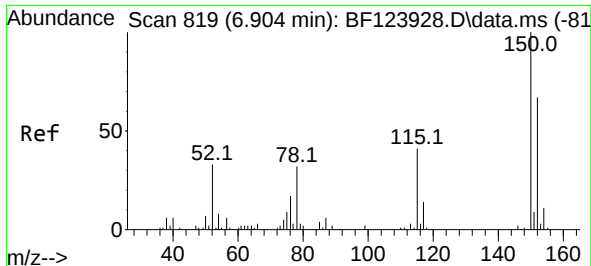
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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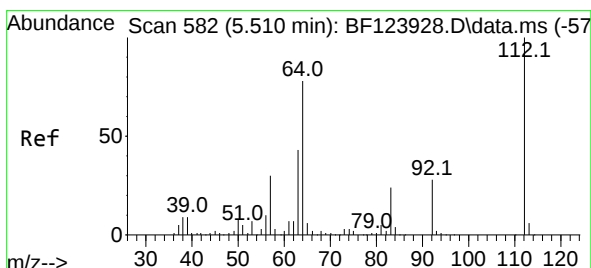
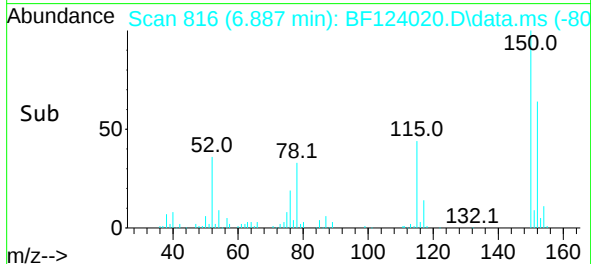
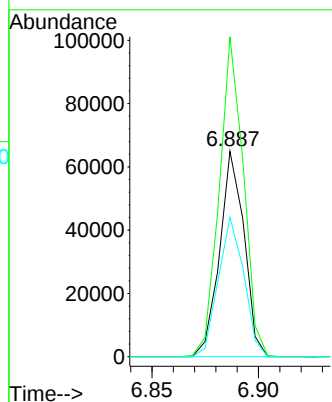
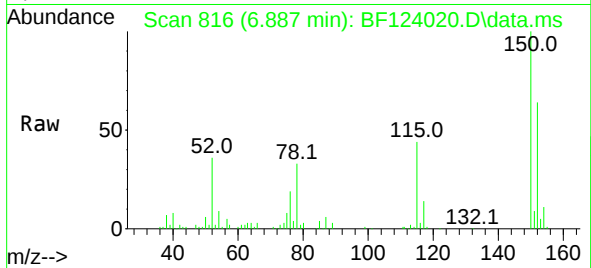




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.017 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

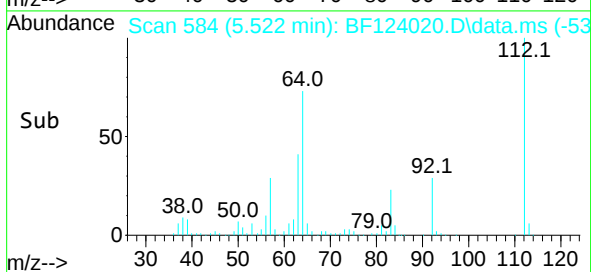
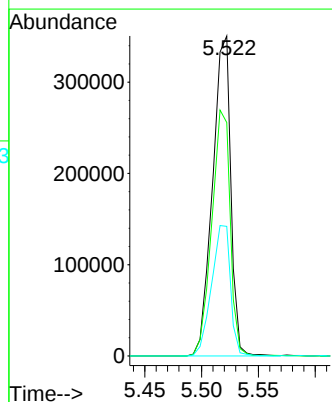
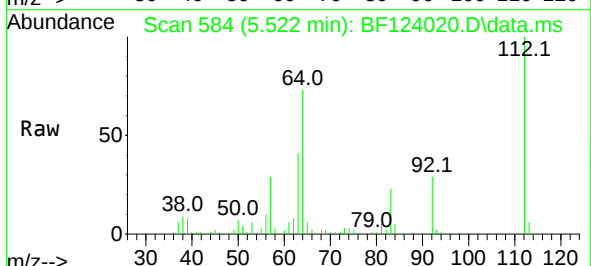
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A

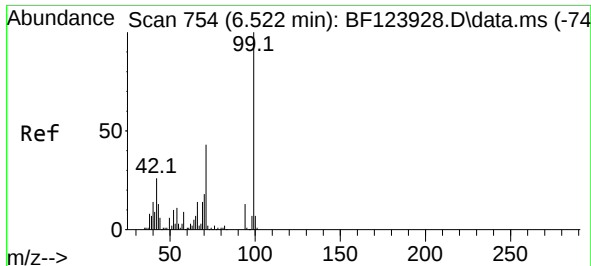
Tgt Ion:152 Resp: 51755
Ion Ratio Lower Upper
152 100
150 155.8 127.0 190.6
115 67.8 54.3 81.5



#5
2-Fluorophenol
Concen: 106.37 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.012 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

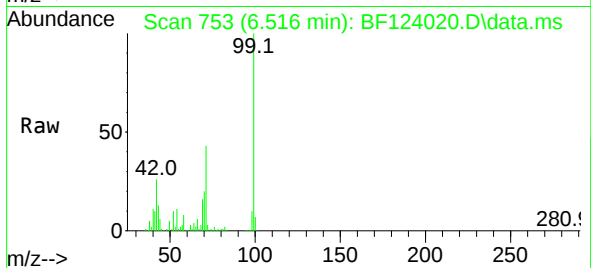
Tgt Ion:112 Resp: 392102
Ion Ratio Lower Upper
112 100
64 73.0 61.4 92.0
63 40.5 33.0 49.4



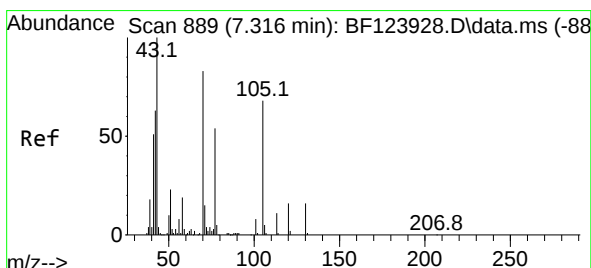
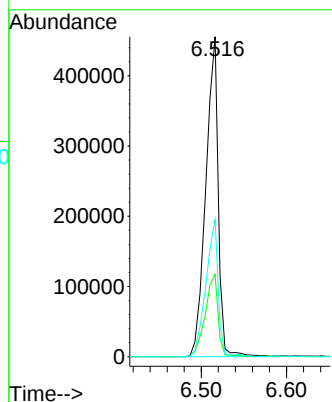
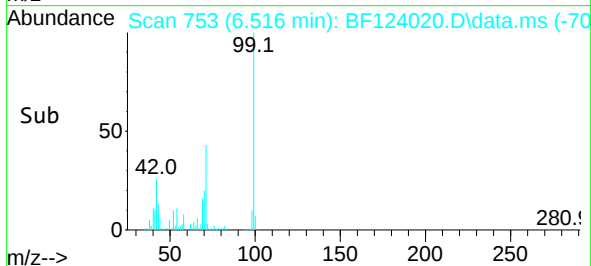


#7
Phenol-d6
Concen: 96.77 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

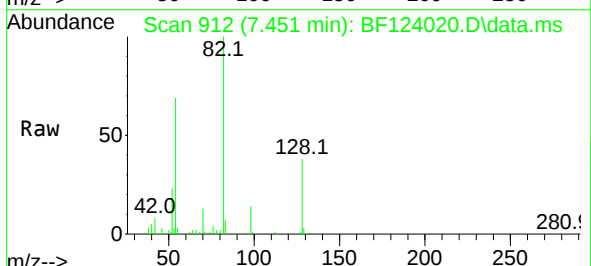
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A



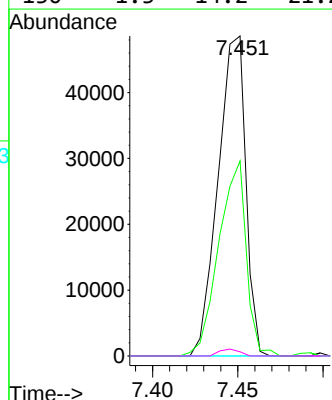
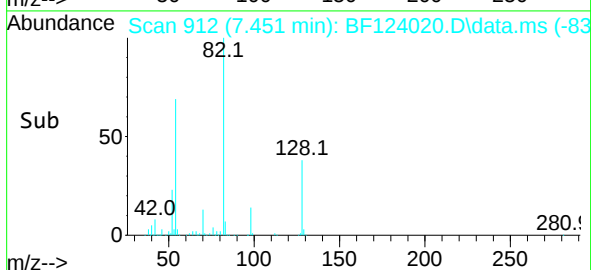
Tgt Ion: 99 Resp: 462726
Ion Ratio Lower Upper
99 100
42 25.7 19.8 29.8
71 42.8 31.1 46.7

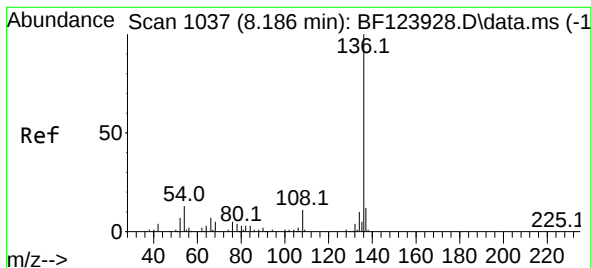


#19
n-Nitroso-di-n-propylamine
Concen: 17.03 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08



Tgt Ion: 70 Resp: 55021
Ion Ratio Lower Upper
70 100
42 61.0 60.1 90.1
101 0.0 7.4 11.2#
130 1.3 14.2 21.2#

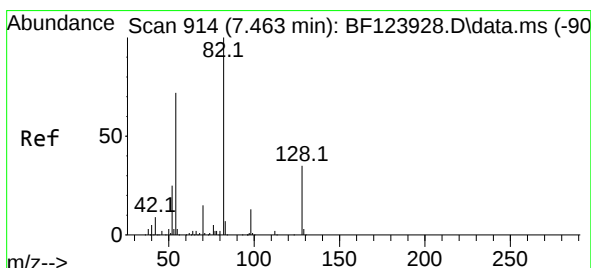
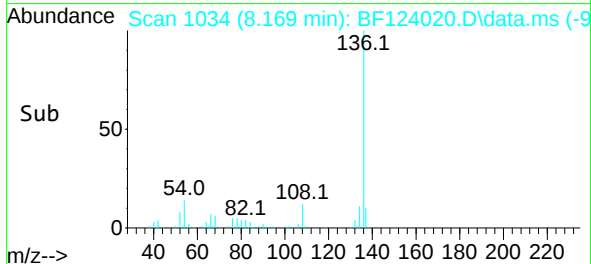
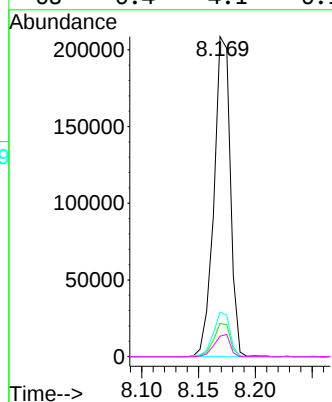
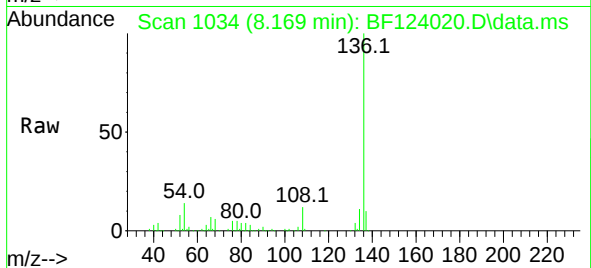




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.017 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

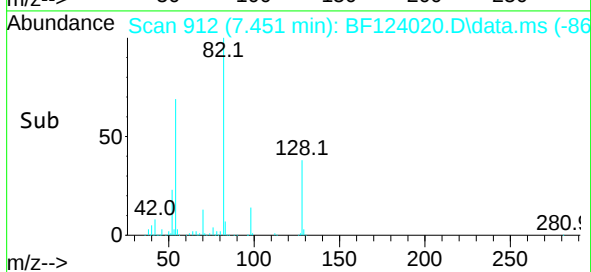
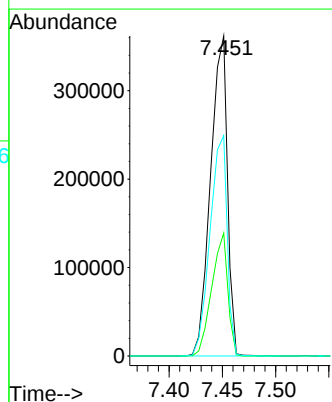
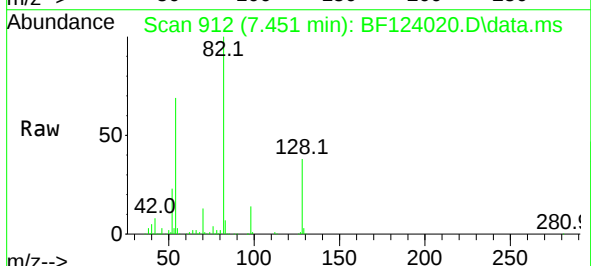
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A

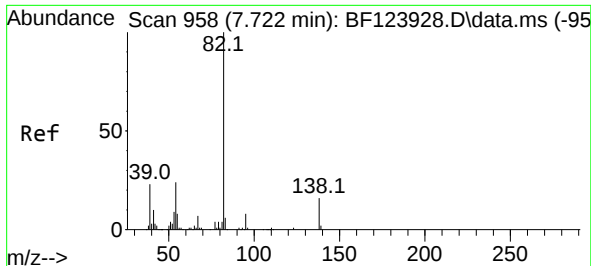
Tgt Ion:	136	Resp:	209117
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.7	13.1
54	13.9	9.8	14.6
68	6.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 82.35 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

Tgt Ion:	82	Resp:	399690
Ion Ratio	Lower	Upper	
82	100		
128	38.4	29.4	44.2
54	68.8	54.1	81.1

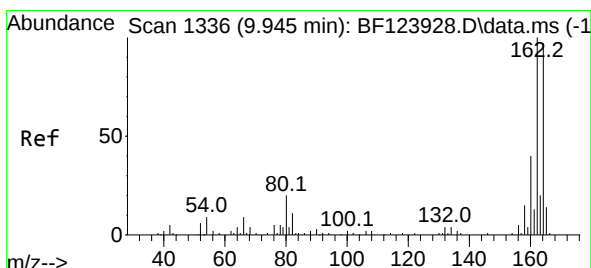
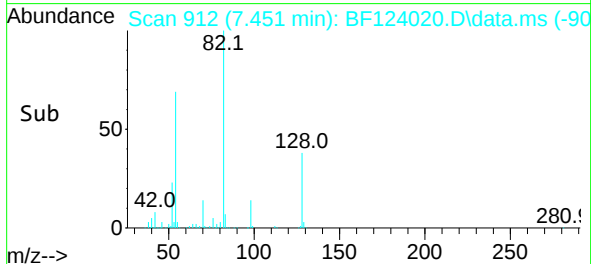
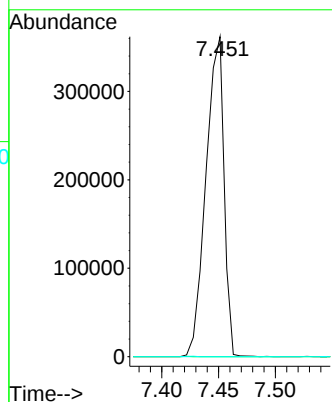
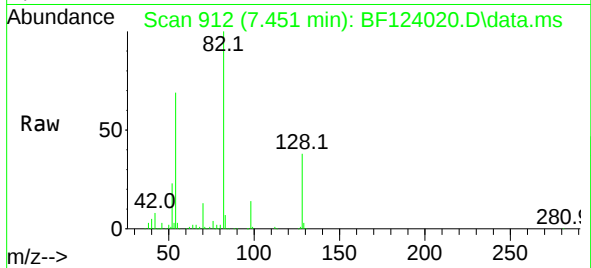




#25
Isophorone
Concen: 42.81 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.270 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

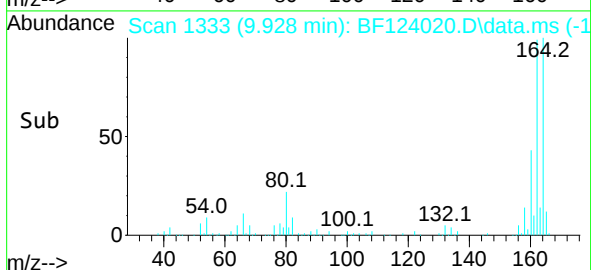
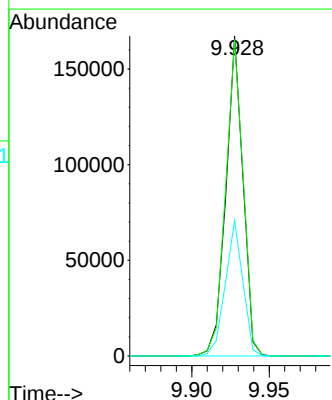
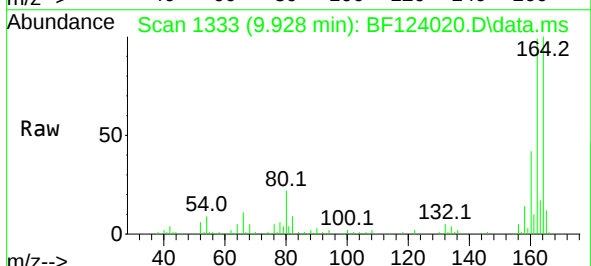
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A

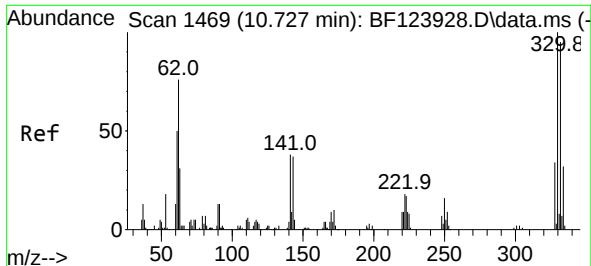
Tgt Ion: 82 Resp: 399686
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.017 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

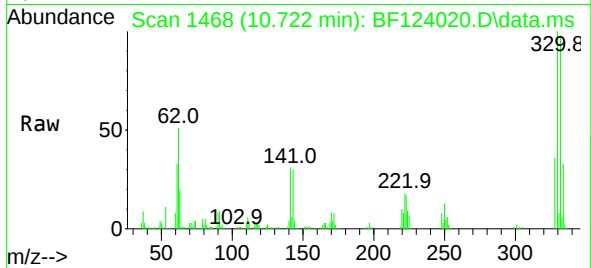
Tgt Ion: 164 Resp: 128284
Ion Ratio Lower Upper
164 100
162 98.9 80.7 121.1
160 42.4 37.3 55.9



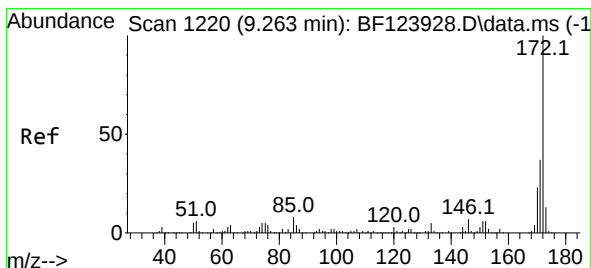
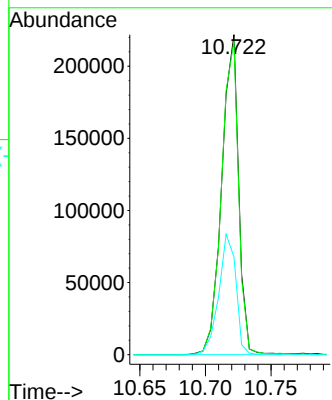
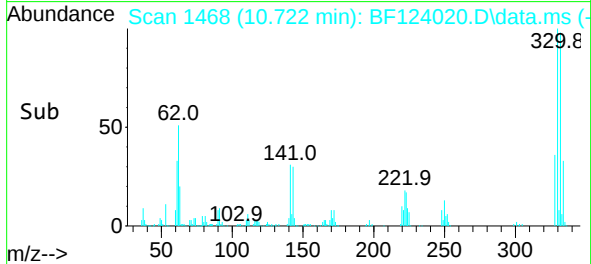


#42
2,4,6-Tribromophenol
Concen: 128.81 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

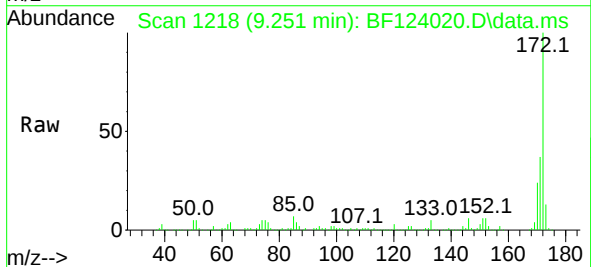
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ClientSampleId :
JG-SPOILS-5-11-21-A



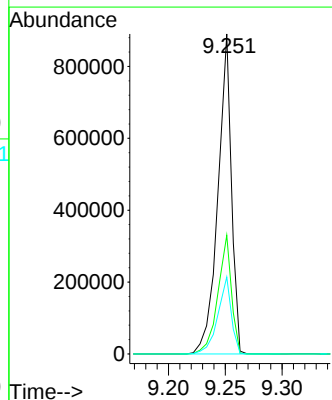
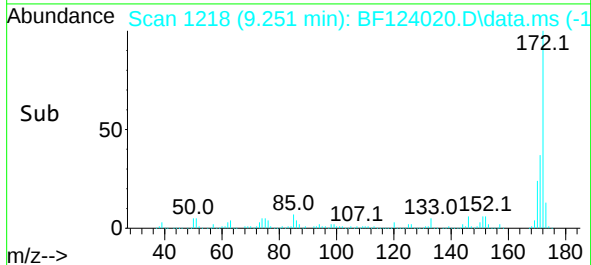
Tgt Ion: 330 Resp: 198466
Ion Ratio Lower Upper
330 100
332 98.8 77.1 115.7
141 38.4 27.9 41.9

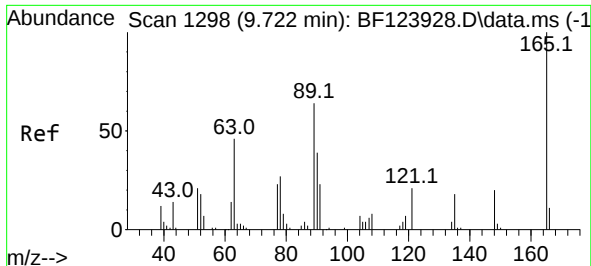


#45
2-Fluorobiphenyl
Concen: 70.86 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08



Tgt Ion: 172 Resp: 738674
Ion Ratio Lower Upper
172 100
171 37.1 28.1 42.1
170 24.1 19.2 28.8

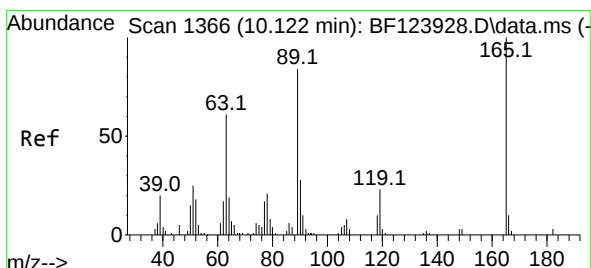
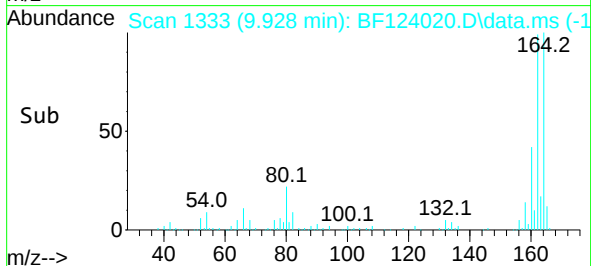
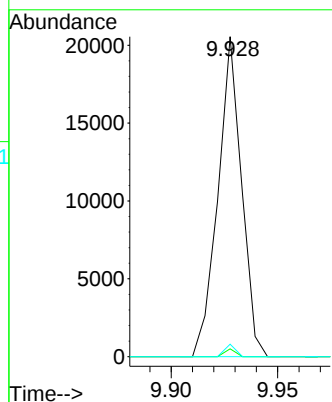
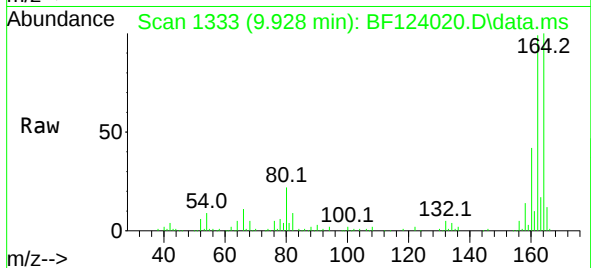




#51
2,6-Dinitrotoluene
Concen: 7.64 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

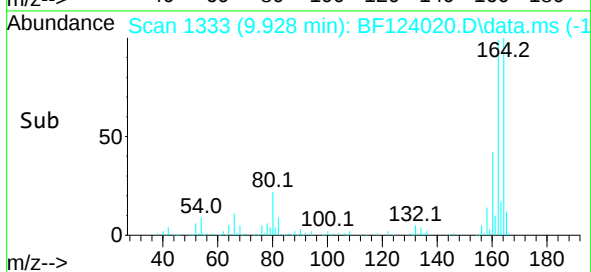
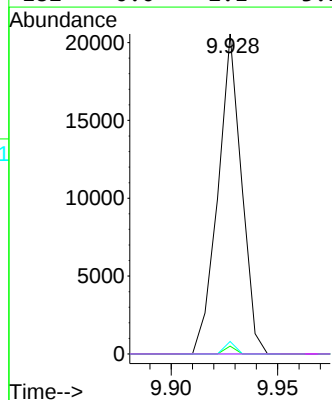
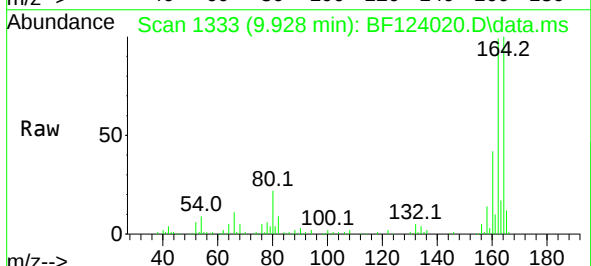
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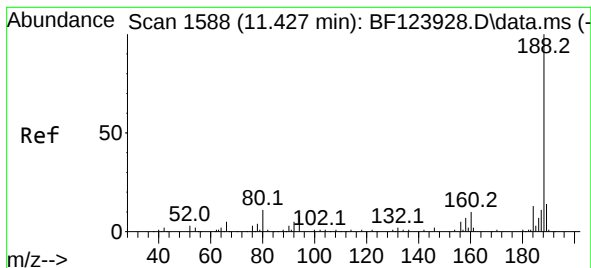
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Ion Ratio Lower Upper
165 100
63 2.5 67.7 101.5#
89 3.9 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.23 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

Tgt Ion:165 Resp: 15817
Ion Ratio Lower Upper
165 100
63 2.5 43.5 65.3#
89 3.9 67.7 101.5#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.011 min

Lab File: BF124020.D

Acq: 21 May 2021 16:08

Tgt Ion:188 Resp: 251886

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

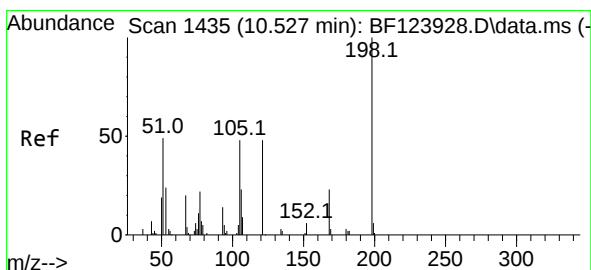
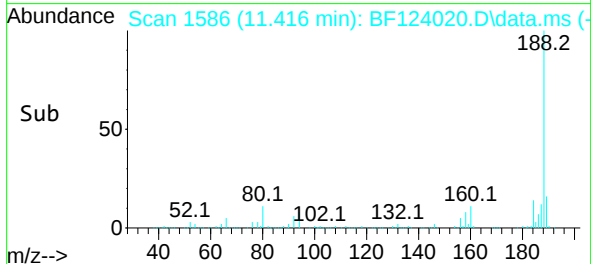
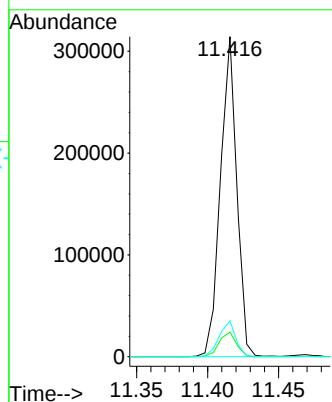
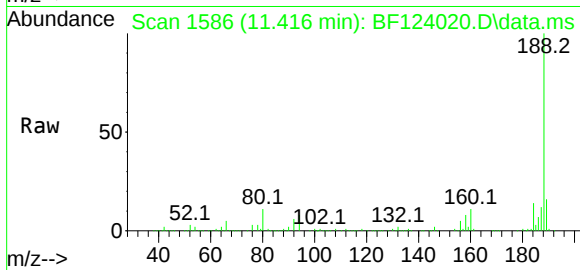
80 11.2 8.2 12.2

Instrument :

BNA_F

ClientSampleId :

JG-SPOILS-5-11-21-A



#65

4,6-Dinitro-2-methylphenol

Concen: 5.99 ng

RT: 10.716 min Scan# 1467

Delta R.T. 0.189 min

Lab File: BF124020.D

Acq: 21 May 2021 16:08

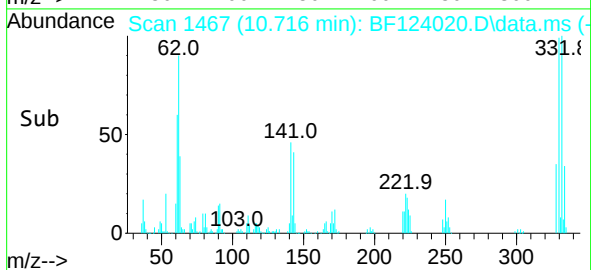
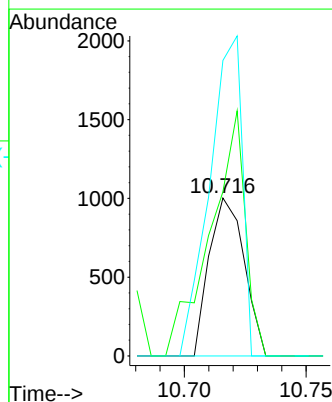
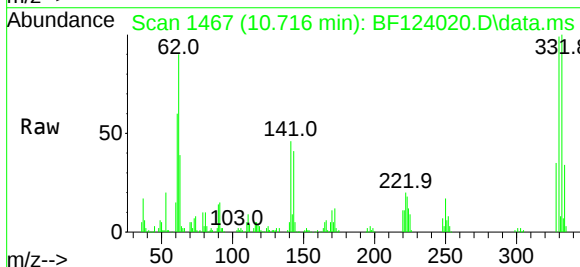
Tgt Ion:198 Resp: 1003

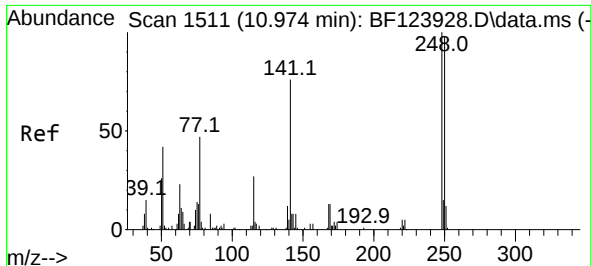
Ion Ratio Lower Upper

198 100

51 104.0 64.8 104.8

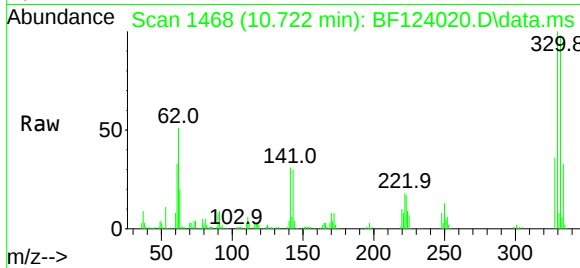
105 187.2 42.6 82.6#



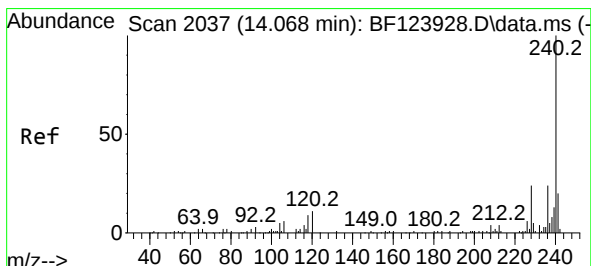
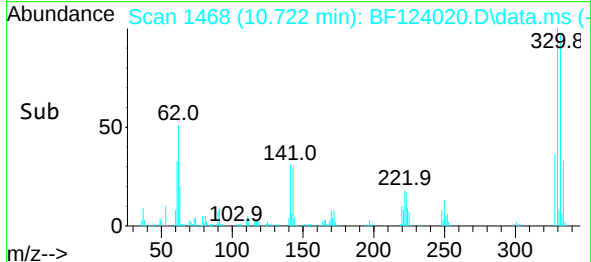
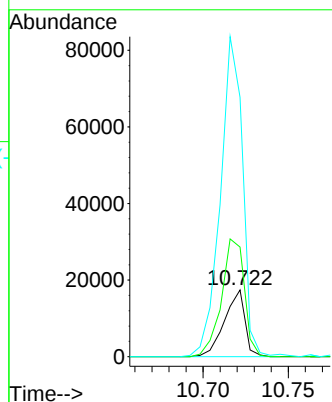


#67
4-Bromophenyl-phenylether
Concen: 4.39 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.253 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A

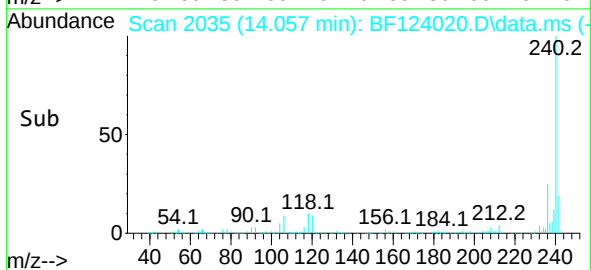
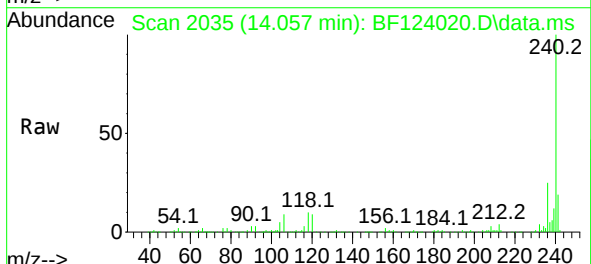
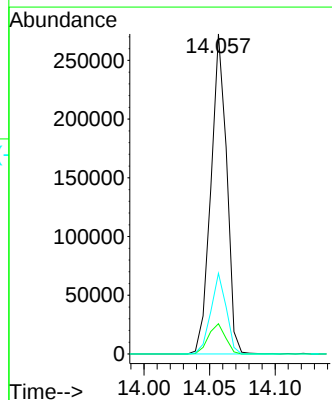


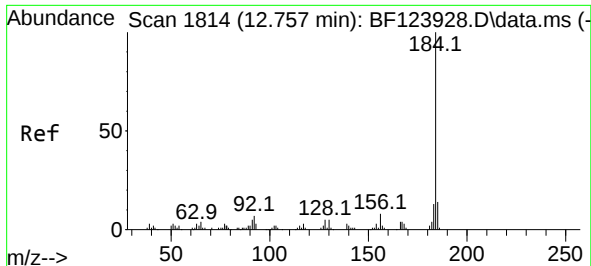
Tgt Ion:248 Resp: 14544
Ion Ratio Lower Upper
248 100
250 164.2 77.4 116.2#
141 388.7 63.7 95.5#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

Tgt Ion:240 Resp: 228058
Ion Ratio Lower Upper
240 100
120 9.5 7.2 10.8
236 25.2 19.0 28.4

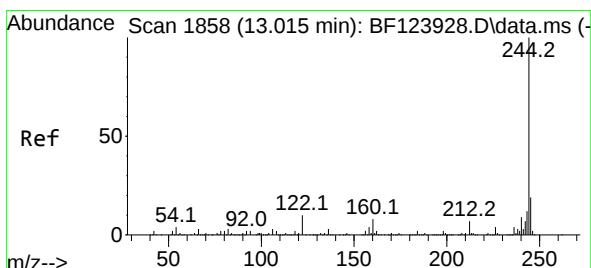
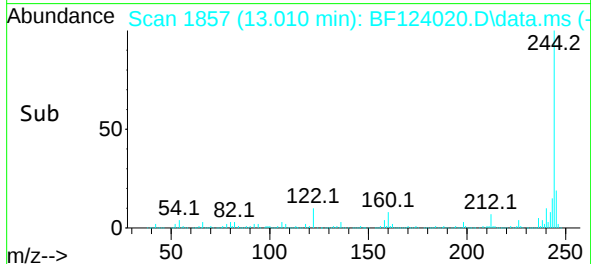
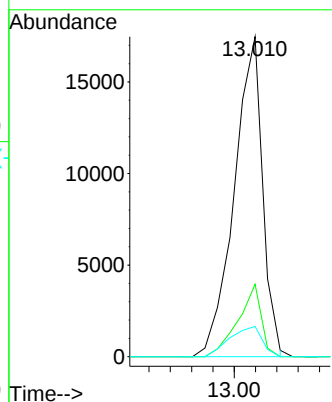
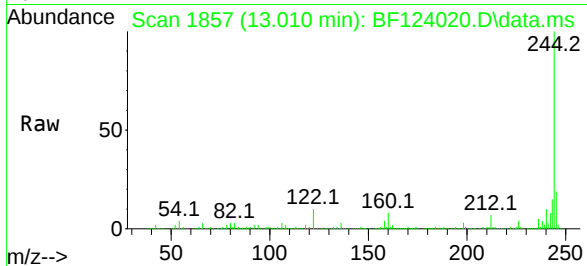




#77
Benzidine
Concen: 2.94 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.253 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

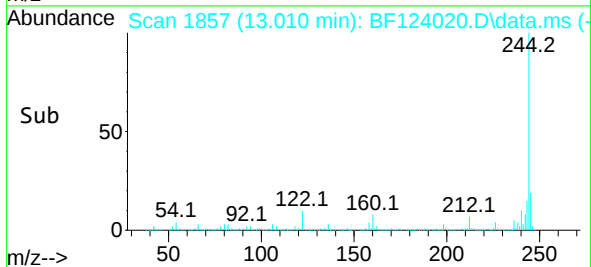
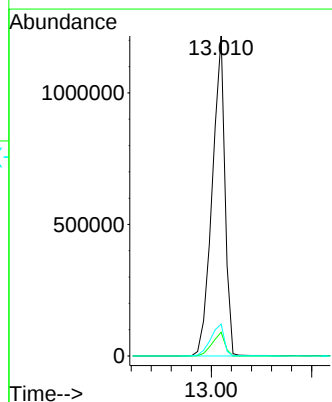
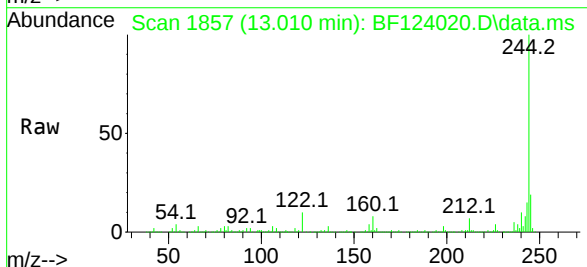
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A

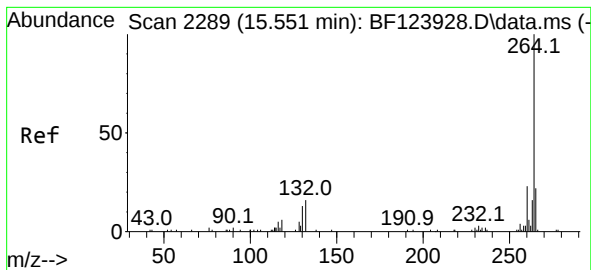
Tgt Ion:184 Resp: 16156
Ion Ratio Lower Upper
184 100
185 22.6 12.1 18.1#
183 9.4 7.8 11.8



#79
Terphenyl-d14
Concen: 71.09 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF124020.D
Acq: 21 May 2021 16:08

Tgt Ion:244 Resp: 1070405
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 9.9 9.7 14.5





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.545 min Scan# 2288
 Delta R.T. -0.006 min
 Lab File: BF124020.D
 Acq: 21 May 2021 16:08

Instrument :
 BNA_F
 ClientSampleId :
 JG-SPOILS-5-11-21-A

Tgt Ion:264 Resp: 204450
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 20.8 17.8 26.8

