

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052121\
 Data File : BF124023.D
 Acq On : 21 May 2021 17:46
 Operator : JU/CG
 Sample : M2366-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 21 18:20:35 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)

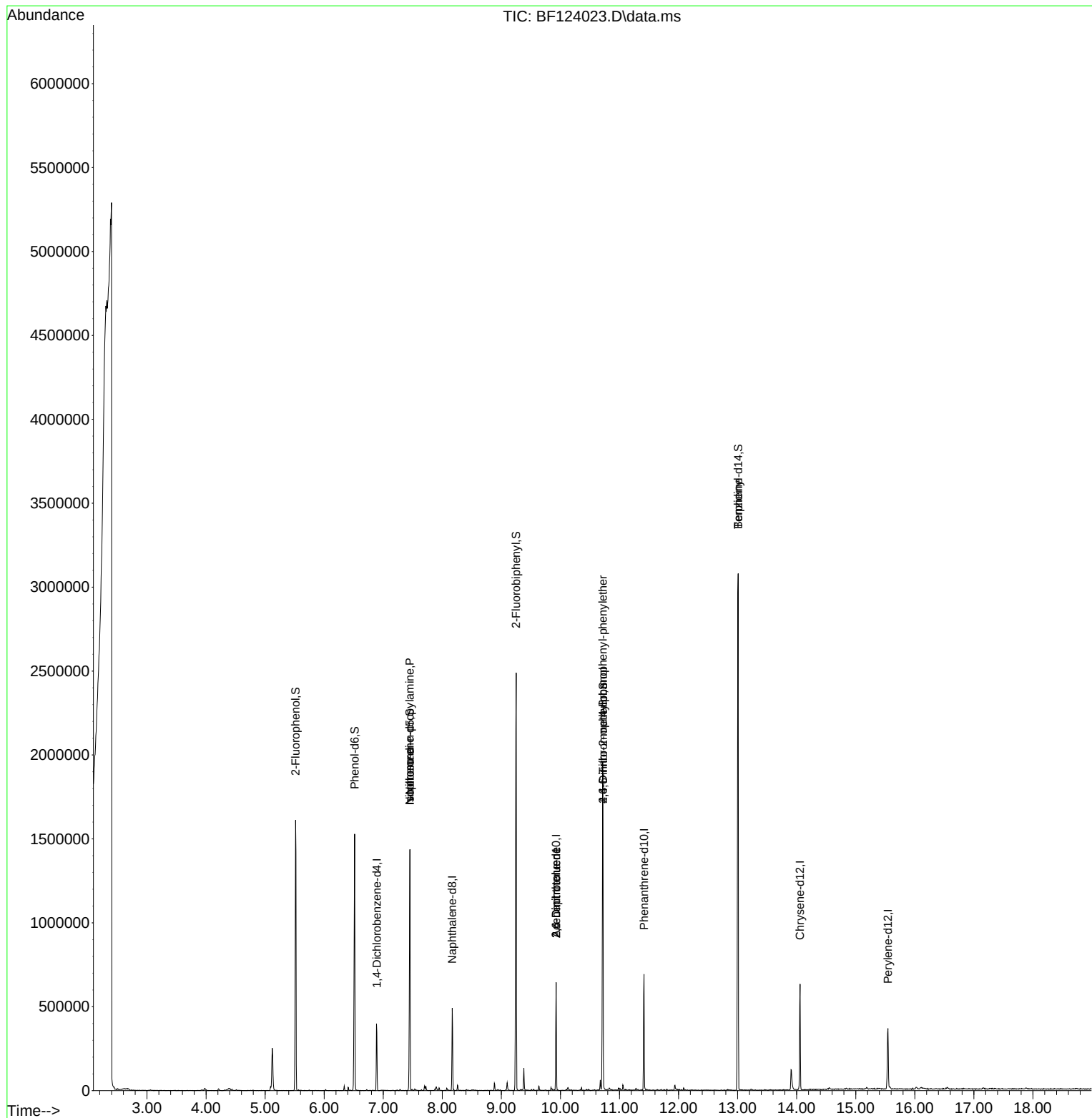
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	47151	20.00	ng	-0.01
21) Naphthalene-d8	8.169	136	187900	20.00	ng	-0.02
39) Acenaphthene-d10	9.927	164	109981	20.00	ng	-0.02
64) Phenanthrene-d10	11.416	188	216575	20.00	ng	-0.01
76) Chrysene-d12	14.057	240	191054	20.00	ng	-0.01
86) Perylene-d12	15.545	264	158938	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	373132	111.11	ng	0.00
7) Phenol-d6	6.516	99	410874	94.31	ng	0.00
23) Nitrobenzene-d5	7.451	82	400239	91.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.721	330	199020	150.66	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	733794	82.10	ng	-0.01
79) Terphenyl-d14	13.010	244	1059267	83.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	58899	20.01	ng	Qvalue # 79
25) Isophorone	7.451	82	400226	47.71	ng	# 69
51) 2,6-Dinitrotoluene	9.927	165	13787	7.76	ng	# 11
57) 2,4-Dinitrotoluene	9.927	165	13787	6.33	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.721	198	938	6.03	ng	# 33
67) 4-Bromophenyl-phenylether	10.716	248	13497	4.74	ng	# 1
77) Benzidine	13.010	184	17383	3.77	ng	# 96

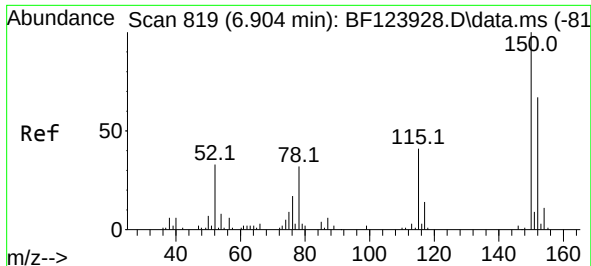
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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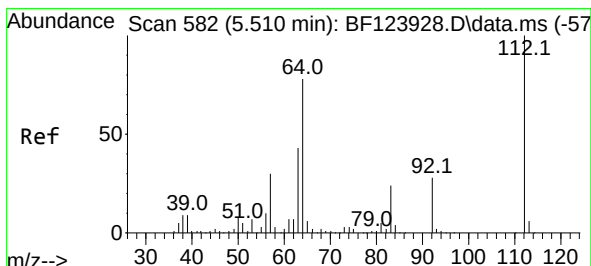
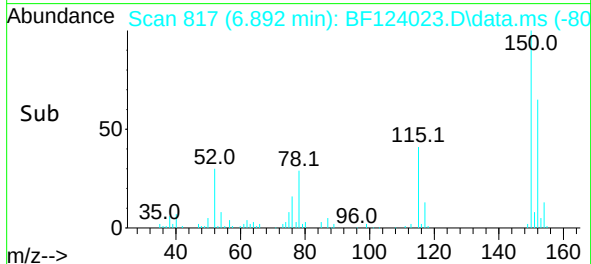
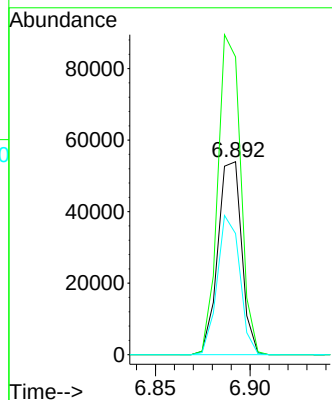
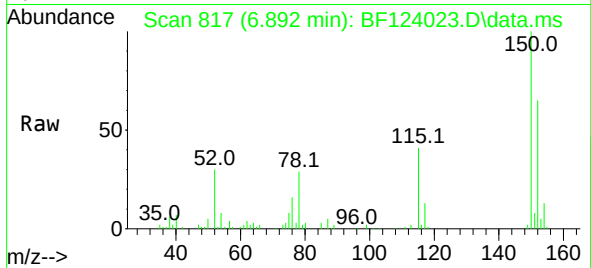




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

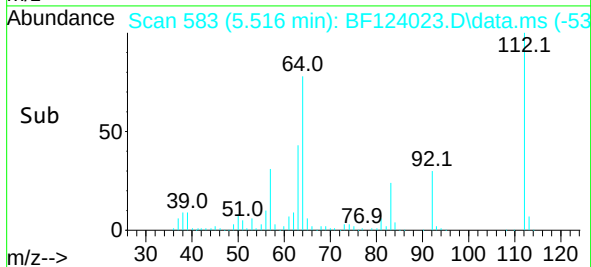
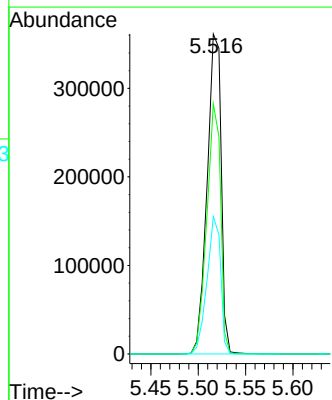
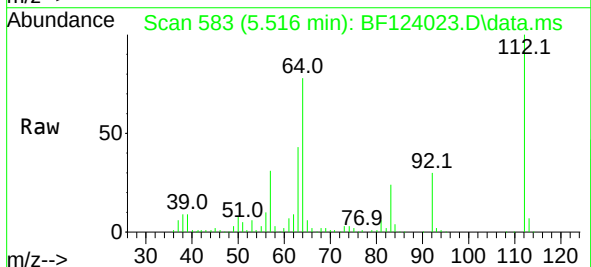
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-B

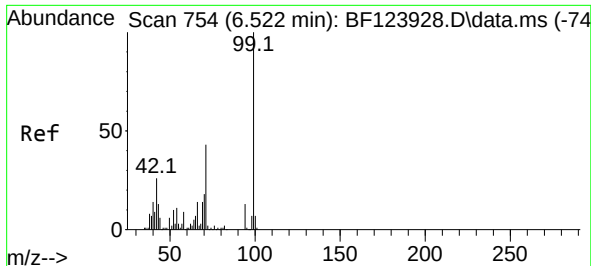
Tgt Ion:152 Resp: 47151
Ion Ratio Lower Upper
152 100
150 154.3 127.0 190.6
115 62.7 54.3 81.5



#5
2-Fluorophenol
Concen: 111.11 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

Tgt Ion:112 Resp: 373132
Ion Ratio Lower Upper
112 100
64 78.2 61.4 92.0
63 43.0 33.0 49.4

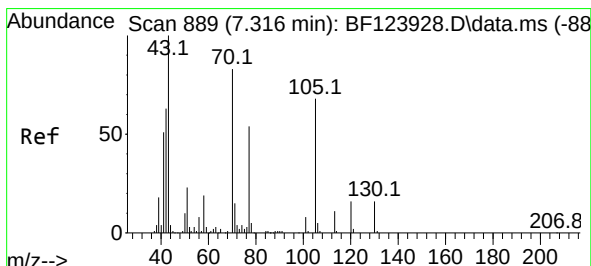
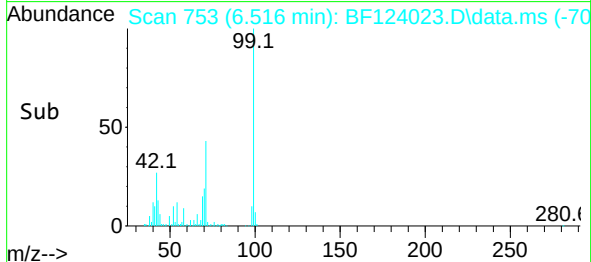
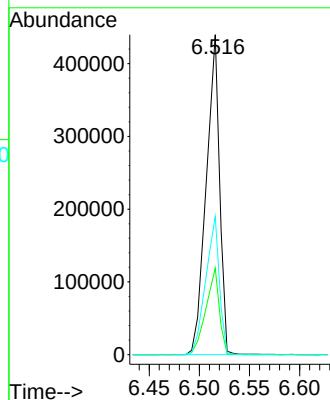
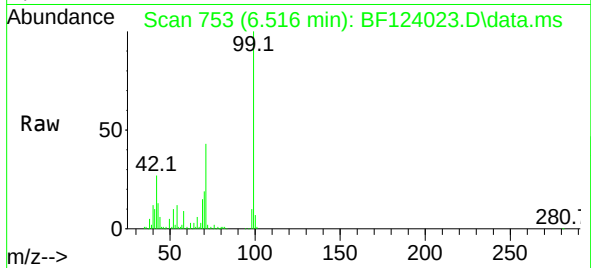




#7
Phenol-d6
Concen: 94.31 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

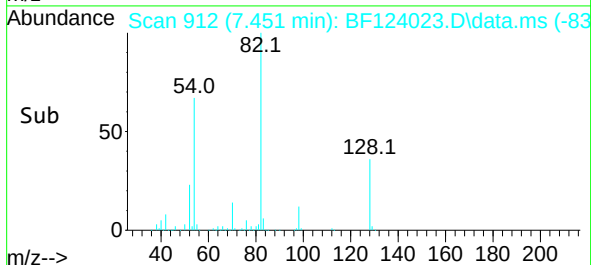
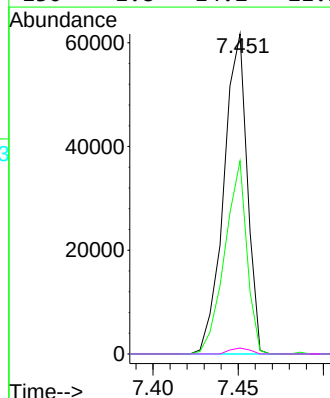
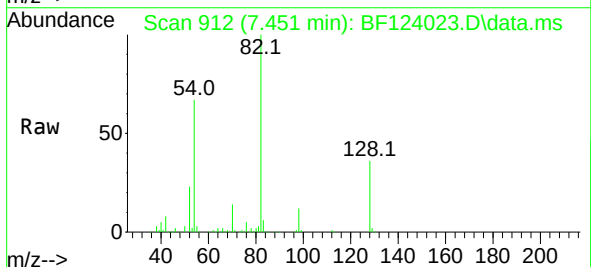
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-B

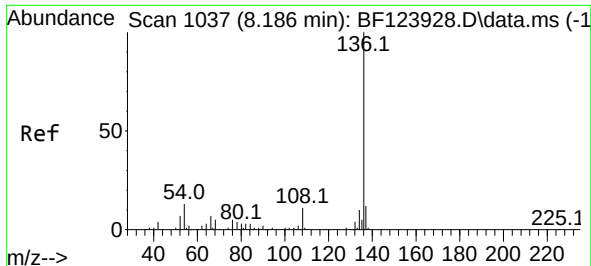
Tgt Ion: 99 Resp: 410874
Ion Ratio Lower Upper
99 100
42 27.1 19.8 29.8
71 43.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 20.01 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

Tgt Ion: 70 Resp: 58899
Ion Ratio Lower Upper
70 100
42 60.3 60.1 90.1
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#



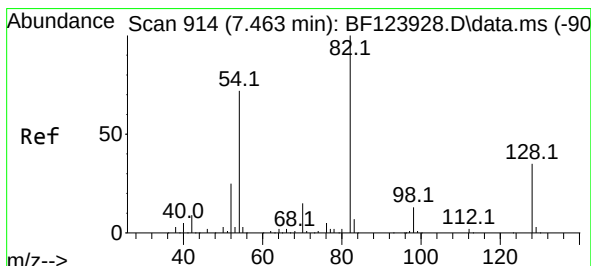
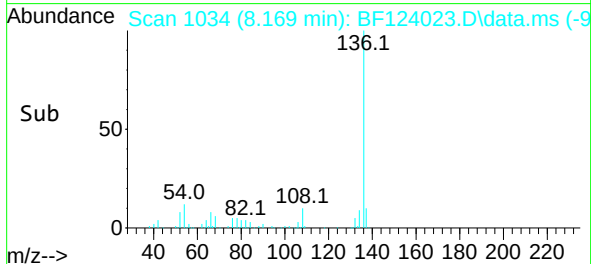
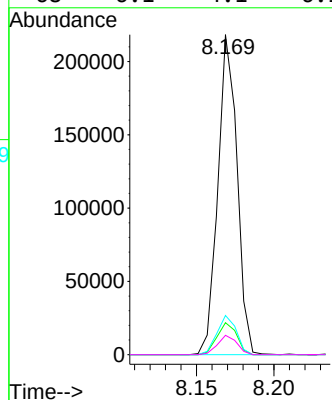
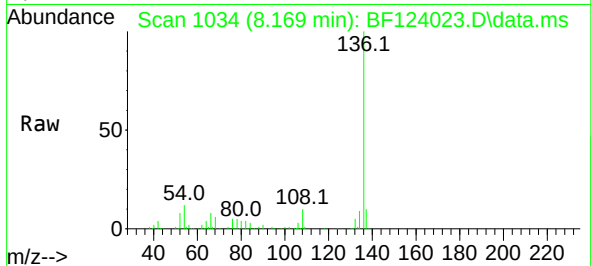


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.017 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

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

Tgt Ion:136 Resp: 187900

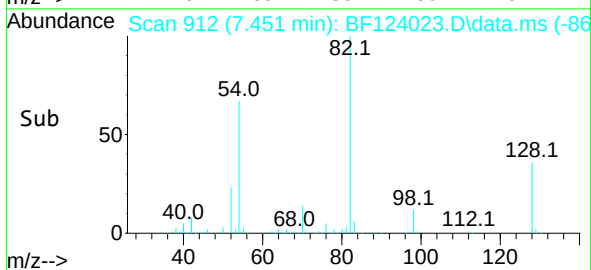
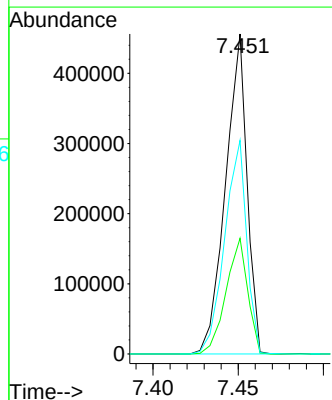
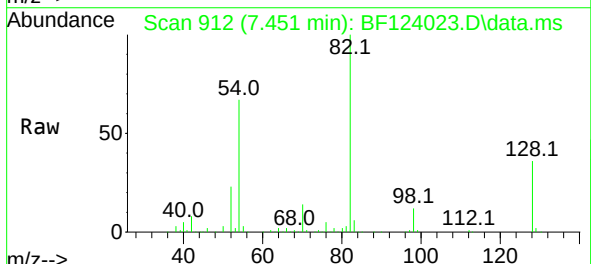
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.7	13.1
54	12.3	9.8	14.6
68	6.1	4.1	6.1

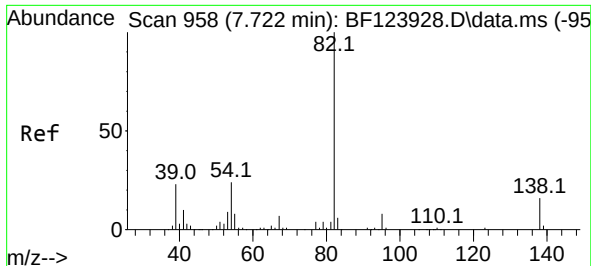


#23
Nitrobenzene-d5
Concen: 91.78 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

Tgt Ion: 82 Resp: 400239

Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.4	44.2
54	66.8	54.1	81.1

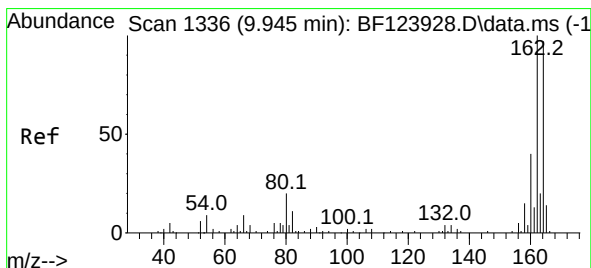
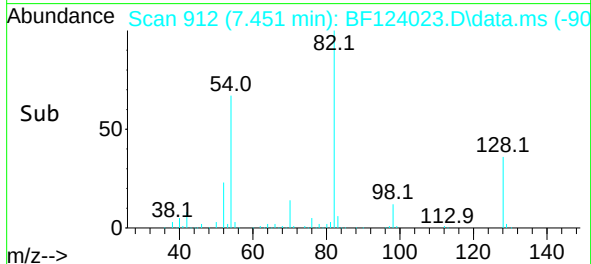
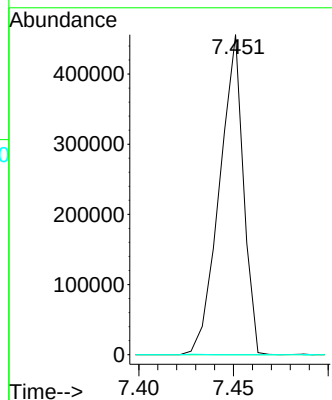
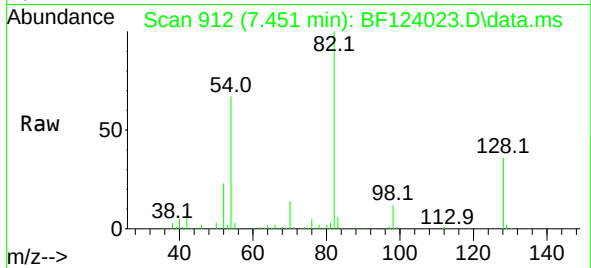




#25
Isophorone
Concen: 47.71 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.271 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

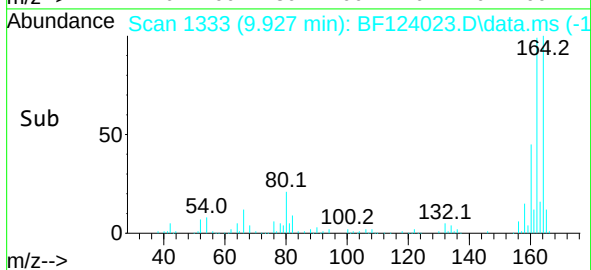
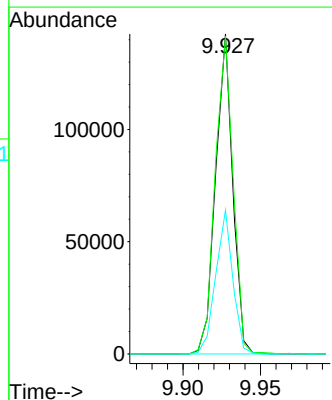
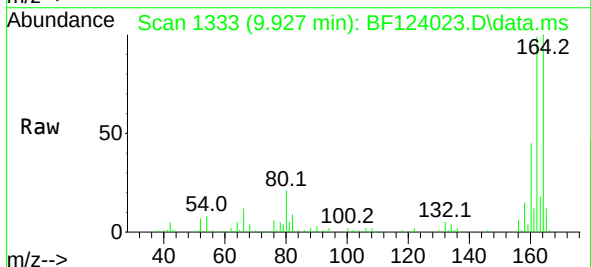
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-B

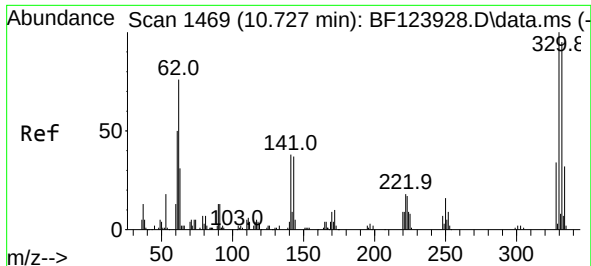
Tgt Ion: 82 Resp: 400226
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

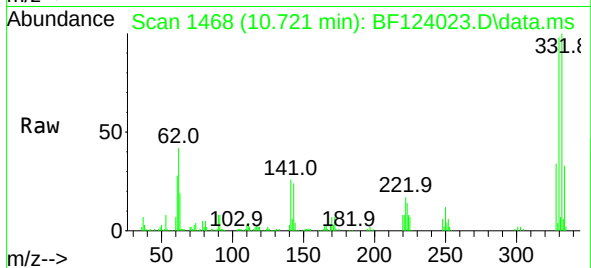
Tgt Ion: 164 Resp: 109981
Ion Ratio Lower Upper
164 100
162 99.3 80.7 121.1
160 45.0 37.3 55.9



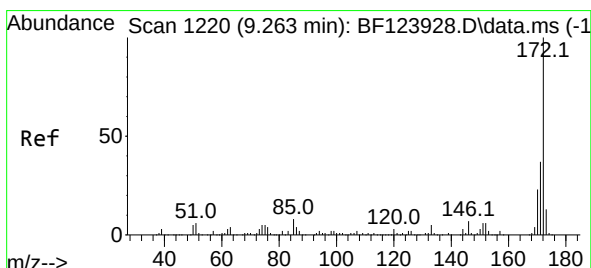
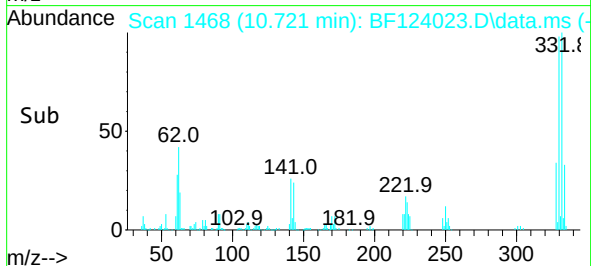
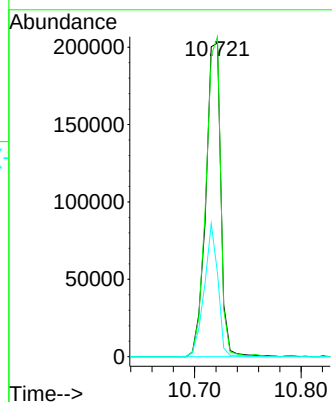


#42
2,4,6-Tribromophenol
Concen: 150.66 ng
RT: 10.721 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

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

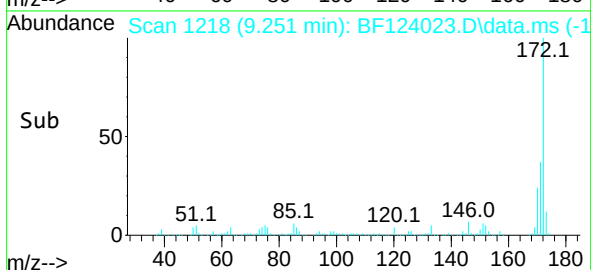
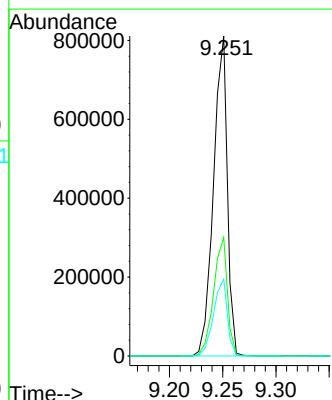
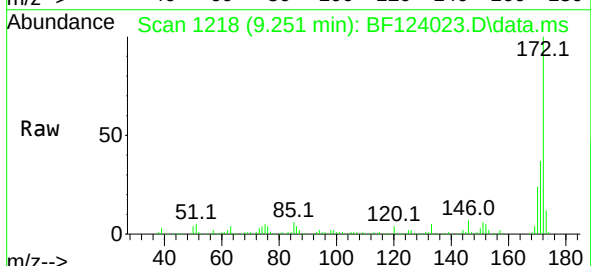


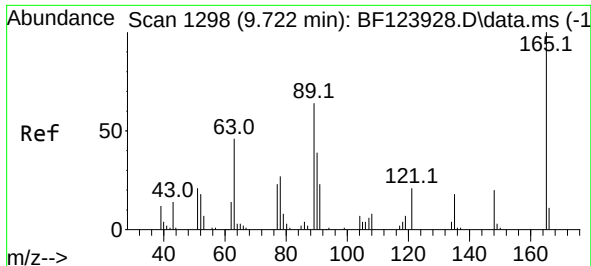
Tgt Ion:330 Resp: 199020
Ion Ratio Lower Upper
330 100
332 99.1 77.1 115.7
141 38.4 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 82.10 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

Tgt Ion:172 Resp: 733794
Ion Ratio Lower Upper
172 100
171 37.1 28.1 42.1
170 24.0 19.2 28.8

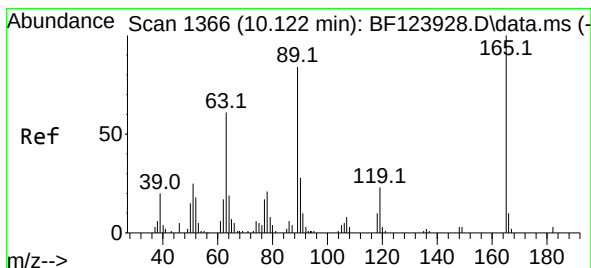
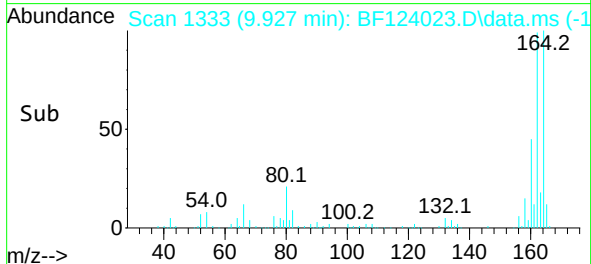
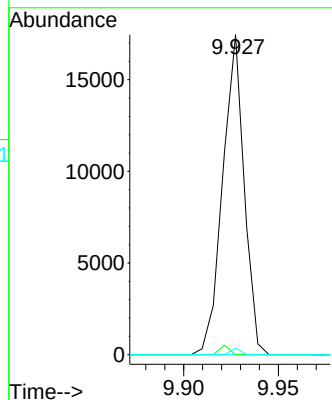
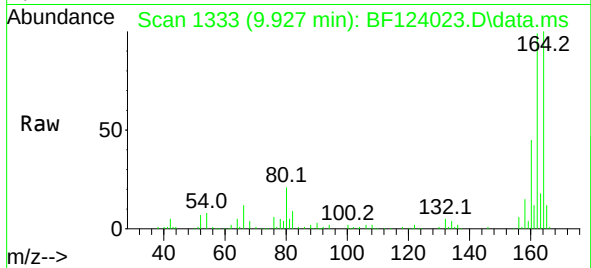




#51
2,6-Dinitrotoluene
Concen: 7.76 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

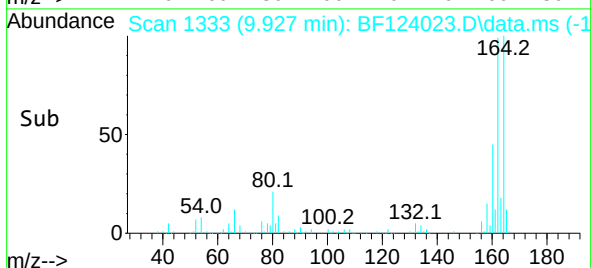
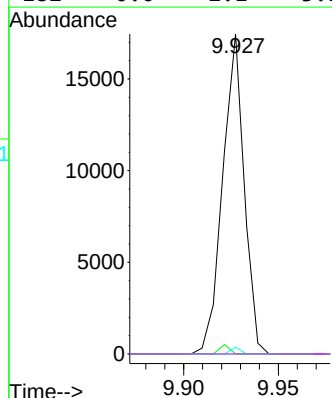
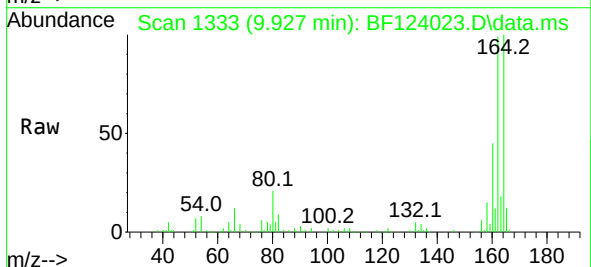
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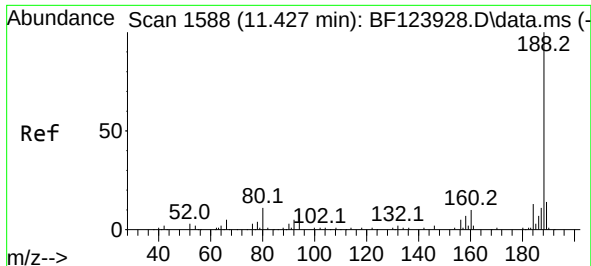
Tgt Ion:165 Resp: 13787
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 2.1 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.33 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

Tgt Ion:165 Resp: 13787
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 2.1 67.7 101.5#
182 0.0 2.1 3.1#

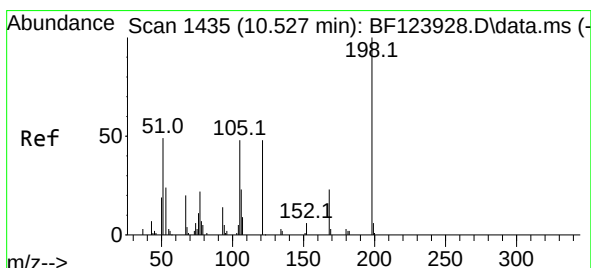
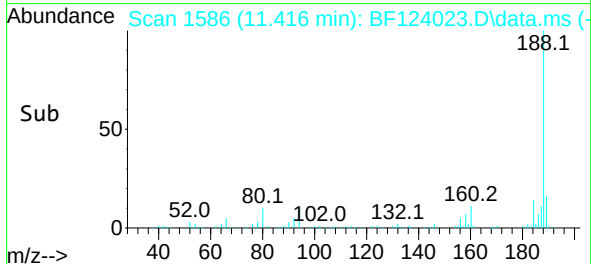
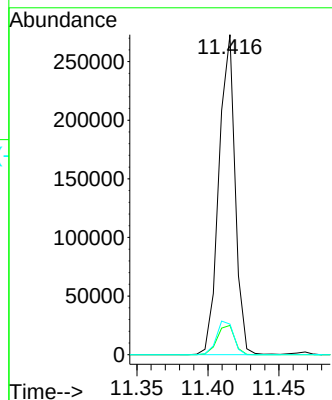
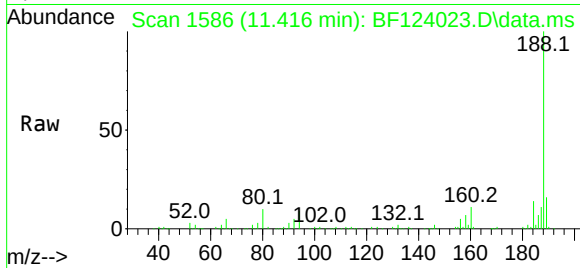




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.011 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

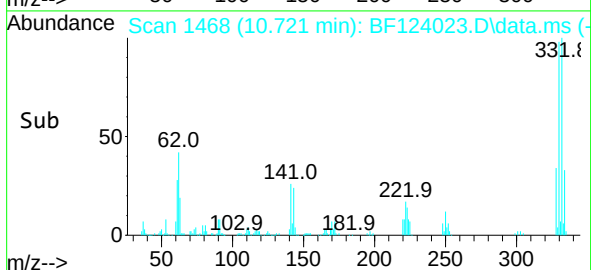
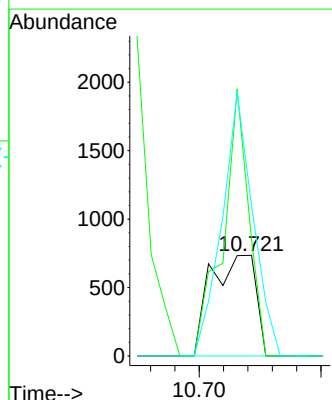
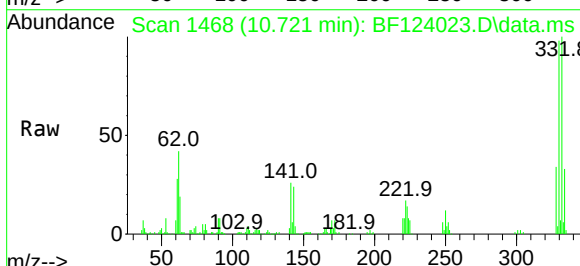
Instrument :
BNA_F
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JG-SPOILS-5-11-21-B

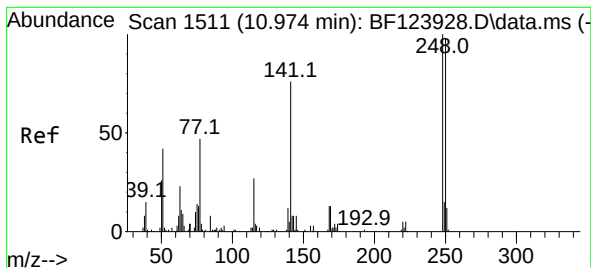
Tgt Ion:188 Resp: 216575
Ion Ratio Lower Upper
188 100
94 9.2 6.9 10.3
80 9.6 8.2 12.2



#65
4,6-Dinitro-2-methylphenol
Concen: 6.03 ng
RT: 10.721 min Scan# 1468
Delta R.T. 0.194 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

Tgt Ion:198 Resp: 938
Ion Ratio Lower Upper
198 100
51 115.5 64.8 104.8#
105 149.4 42.6 82.6#

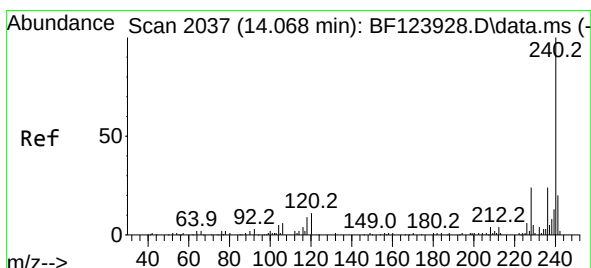
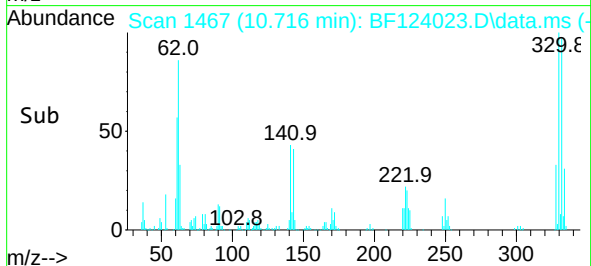
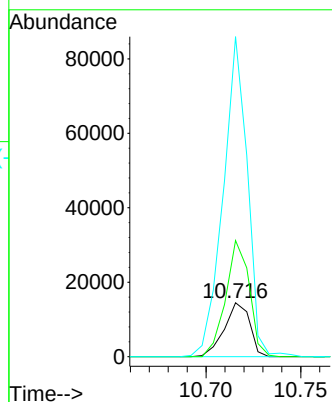
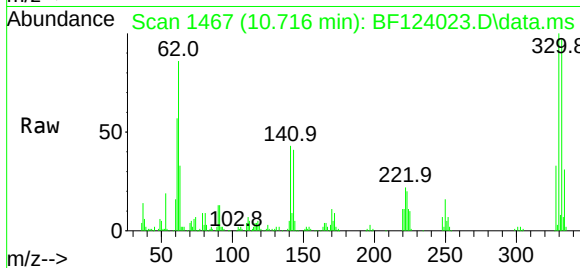




#67
4-Bromophenyl-phenylether
Concen: 4.74 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.259 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

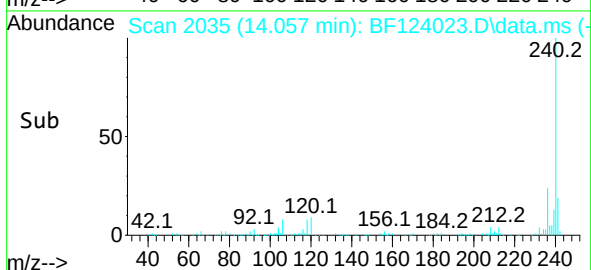
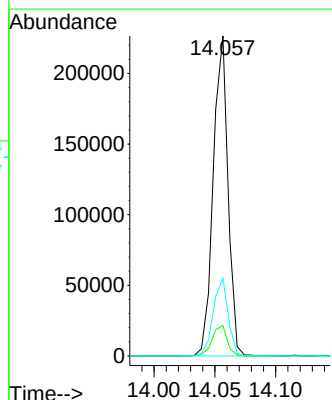
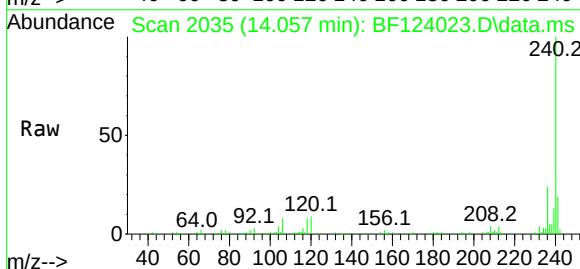
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-B

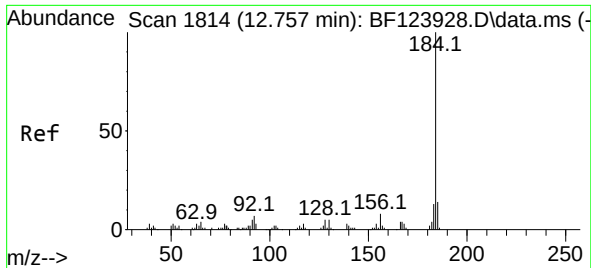
Tgt Ion:248 Resp: 13497
Ion Ratio Lower Upper
248 100
250 215.2 77.4 116.2#
141 593.2 63.7 95.5#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

Tgt Ion:240 Resp: 191054
Ion Ratio Lower Upper
240 100
120 9.5 7.2 10.8
236 24.3 19.0 28.4

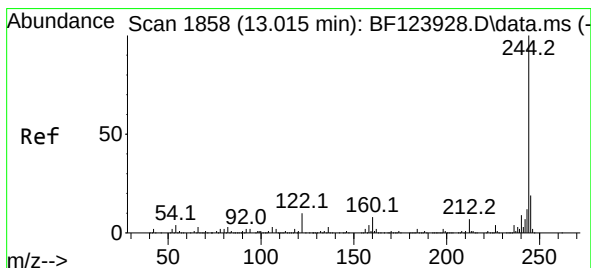
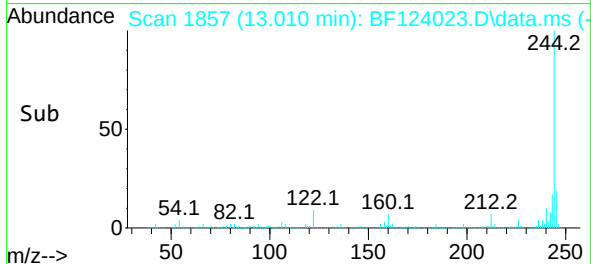
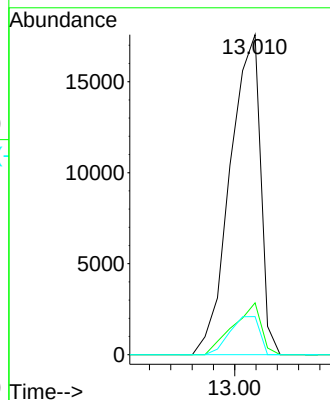
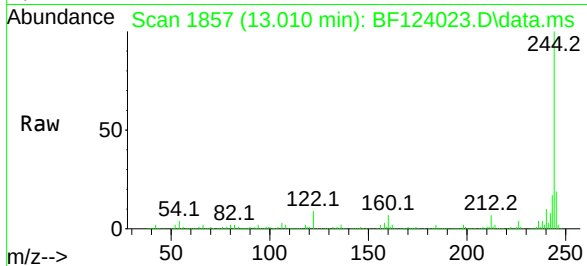




#77
Benzidine
Concen: 3.77 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.253 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

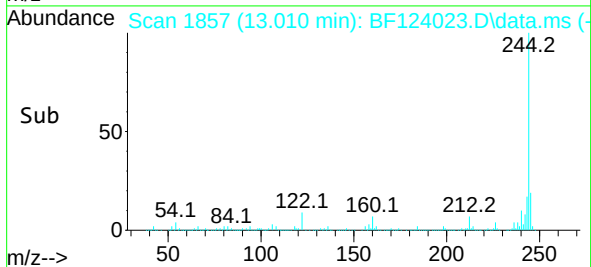
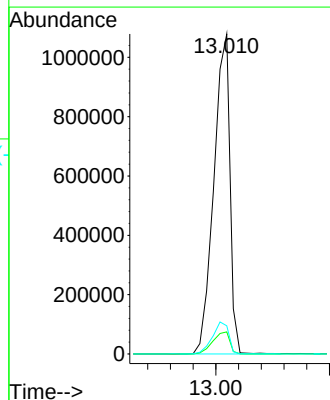
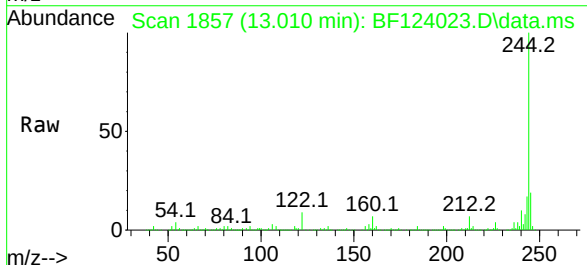
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-B

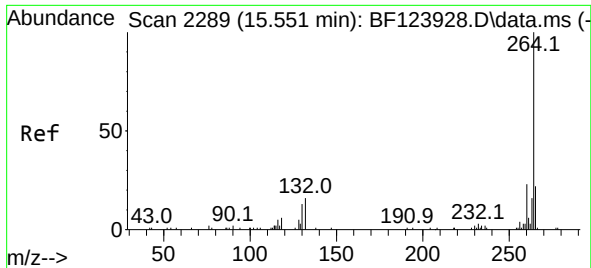
Tgt Ion:184 Resp: 17383
Ion Ratio Lower Upper
184 100
185 16.2 12.1 18.1
183 11.9 7.8 11.8#



#79
Terphenyl-d14
Concen: 83.97 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF124023.D
Acq: 21 May 2021 17:46

Tgt Ion:244 Resp: 1059267
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 8.8 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: BF124023.D
 Acq: 21 May 2021 17:46

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

Tgt Ion:264 Resp: 158938
 Ion Ratio Lower Upper
 264 100
 260 19.5 18.7 28.1
 265 20.3 17.8 26.8

