

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052121\
 Data File : BF124024.D
 Acq On : 21 May 2021 18:19
 Operator : JU/CG
 Sample : M2366-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 22 01:38:42 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)

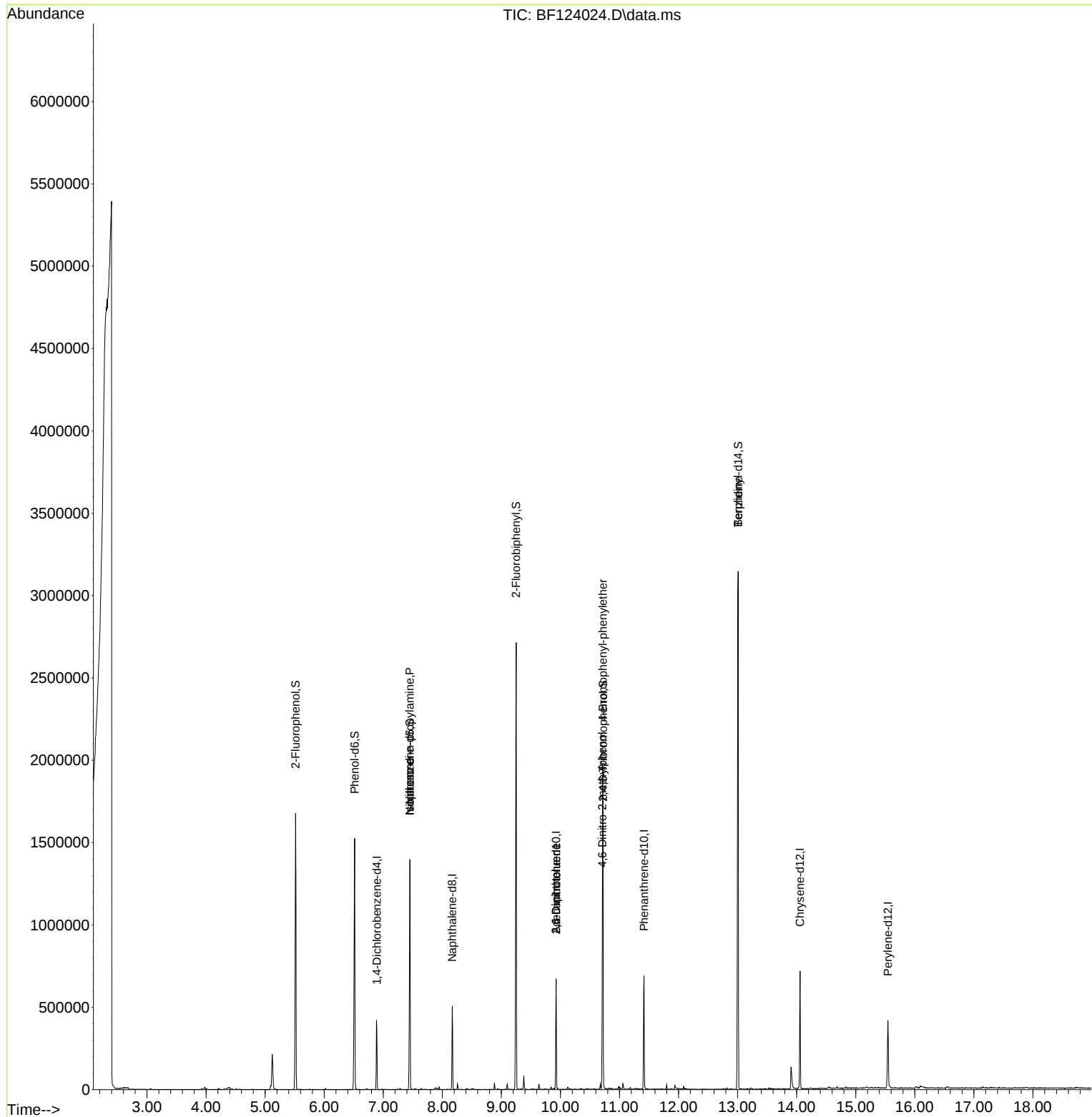
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	48840	20.00	ng	-0.01
21) Naphthalene-d8	8.169	136	189289	20.00	ng	#-0.02
39) Acenaphthene-d10	9.928	164	114947	20.00	ng	-0.02
64) Phenanthrene-d10	11.416	188	225459	20.00	ng	-0.01
76) Chrysene-d12	14.057	240	204658	20.00	ng	-0.01
86) Perylene-d12	15.545	264	161842	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	375217	107.87	ng	0.00
7) Phenol-d6	6.516	99	420367	93.16	ng	0.00
23) Nitrobenzene-d5	7.451	82	398590	90.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	200404	145.15	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	732327	78.40	ng	-0.01
79) Terphenyl-d14	13.010	244	1064600	78.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	58912	19.32	ng	# 71
25) Isophorone	7.451	82	398583	47.16	ng	# 69
51) 2,6-Dinitrotoluene	9.928	165	14161	7.63	ng	# 10
57) 2,4-Dinitrotoluene	9.928	165	14161	6.22	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.710	198	807	5.93	ng	# 38
67) 4-Bromophenyl-phenylether	10.716	248	14196	4.79	ng	# 1
77) Benzidine	13.010	184	17014	3.45	ng	# 93

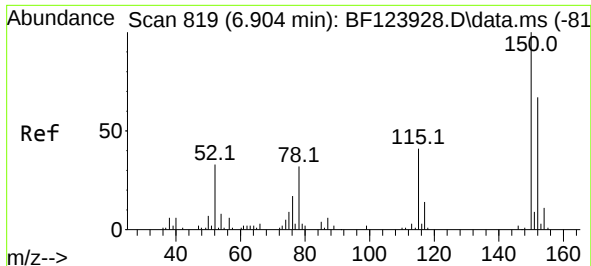
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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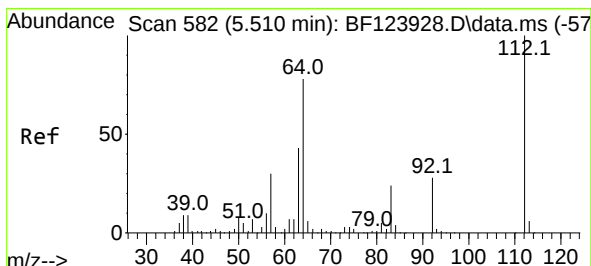
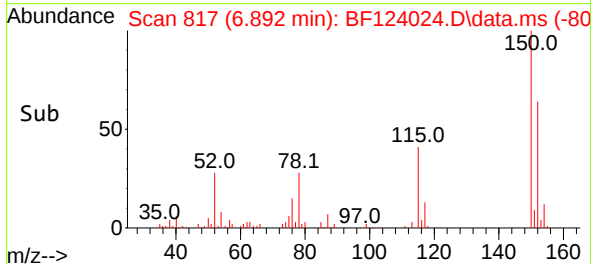
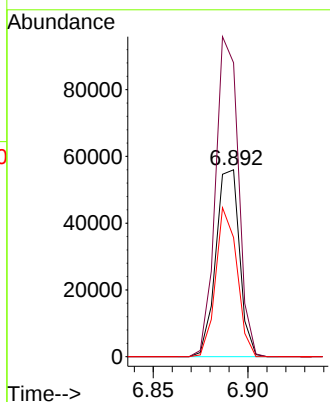
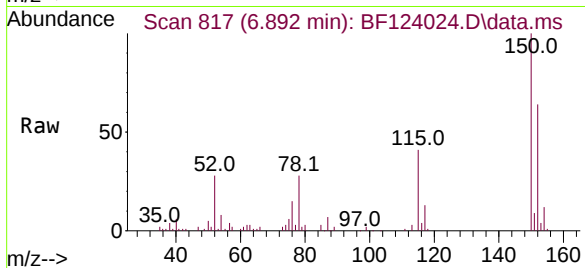




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

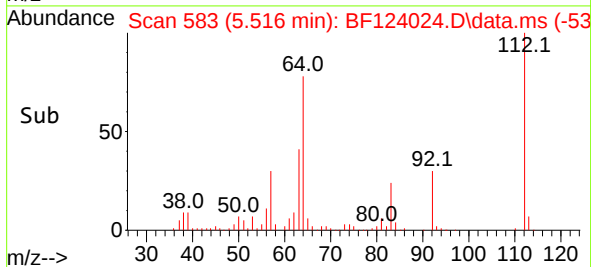
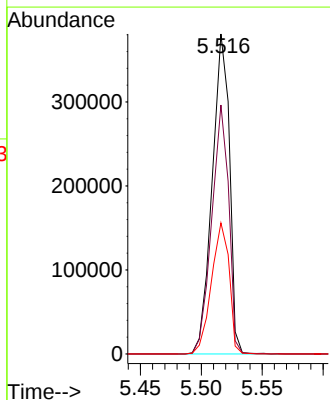
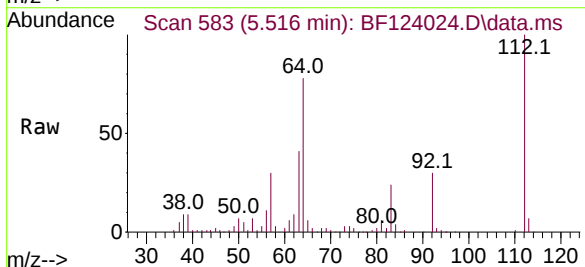
Instrument :
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ClientSampleId :
JG-SPOILS-5-11-21-C

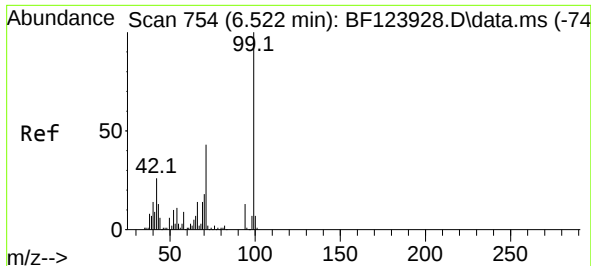
Tgt Ion:152 Resp: 48840
Ion Ratio Lower Upper
152 100
150 157.3 127.0 190.6
115 63.8 54.3 81.5



#5
2-Fluorophenol
Concen: 107.87 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

Tgt Ion:112 Resp: 375217
Ion Ratio Lower Upper
112 100
64 77.8 61.4 92.0
63 41.0 33.0 49.4

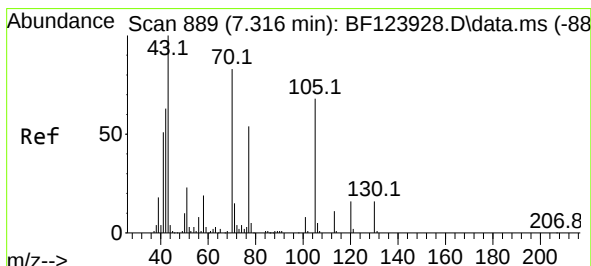
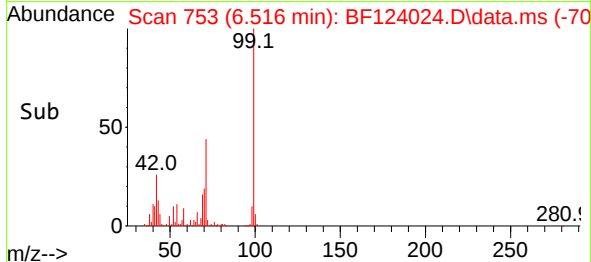
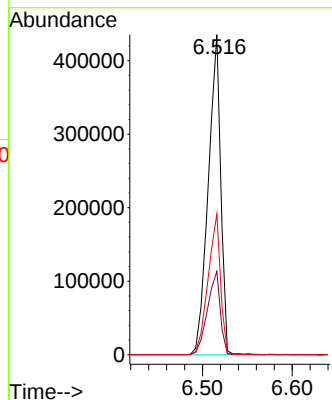
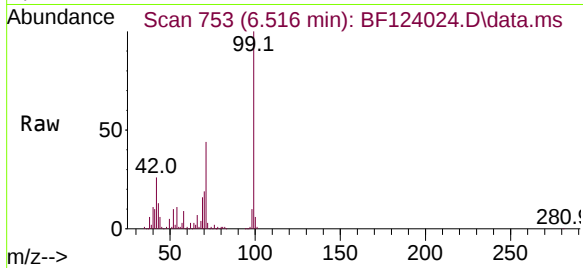




#7
Phenol-d6
Concen: 93.16 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

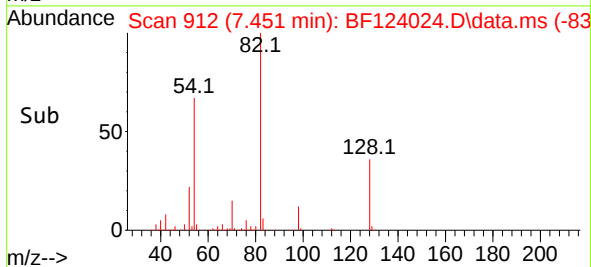
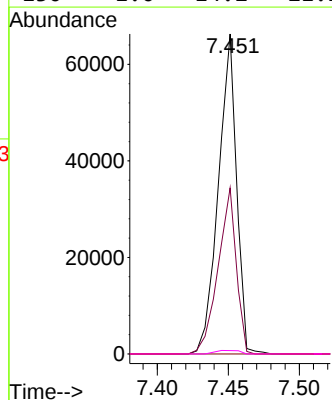
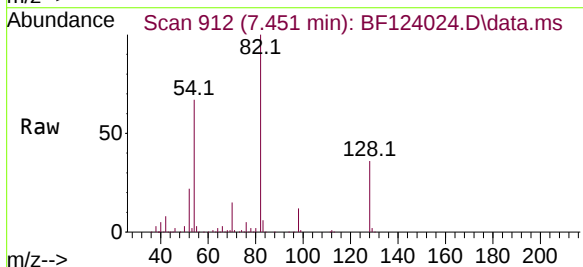
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-C

Tgt Ion: 99 Resp: 420367
Ion Ratio Lower Upper
99 100
42 26.0 19.8 29.8
71 44.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 19.32 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

Tgt Ion: 70 Resp: 58912
Ion Ratio Lower Upper
70 100
42 51.9 60.1 90.1#
101 0.0 7.4 11.2#
130 1.0 14.2 21.2#

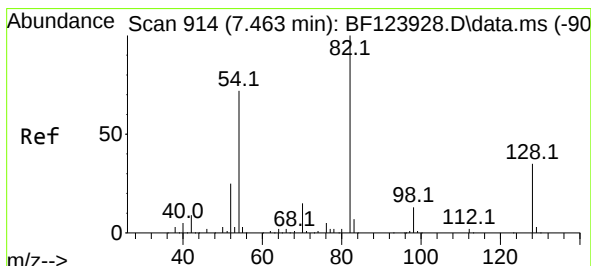
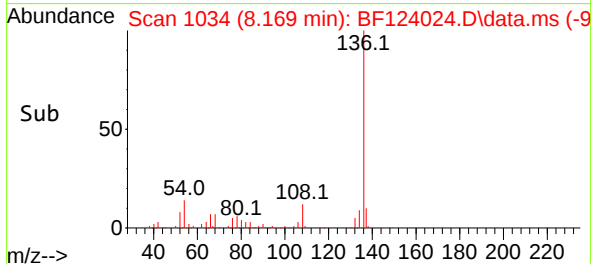
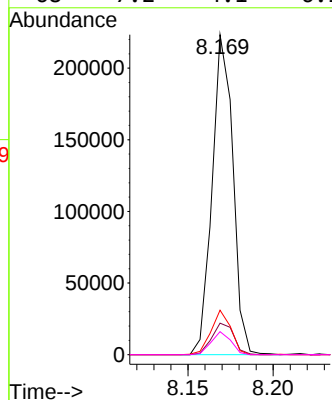
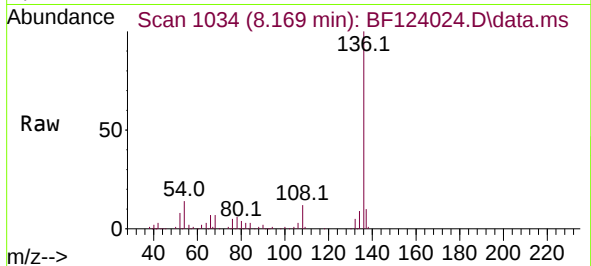




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.017 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

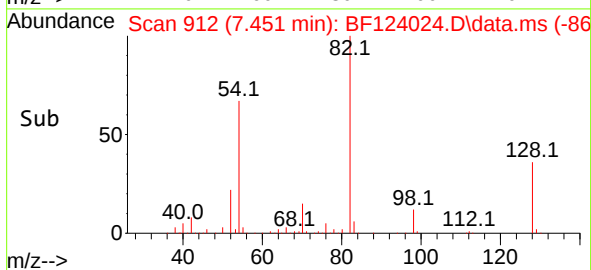
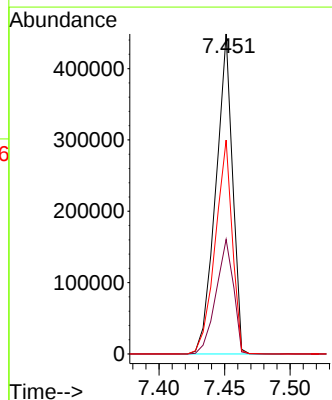
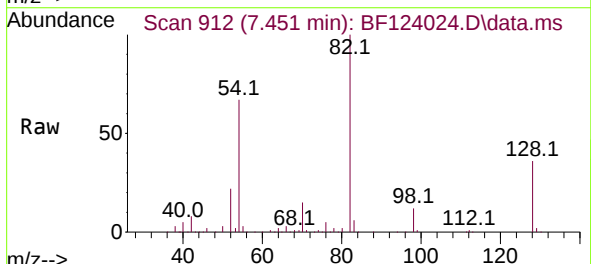
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-C

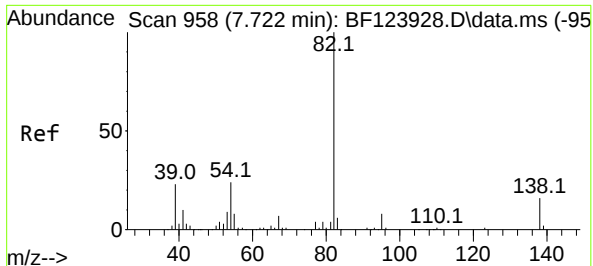
Tgt Ion:136	Resp: 189289
Ion Ratio	Lower Upper
136 100	
137 9.8	8.7 13.1
54 13.9	9.8 14.6
68 7.2	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 90.73 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

Tgt Ion: 82	Resp: 398590
Ion Ratio	Lower Upper
82 100	
128 35.8	29.4 44.2
54 66.9	54.1 81.1

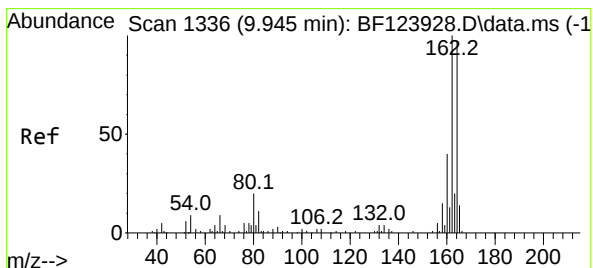
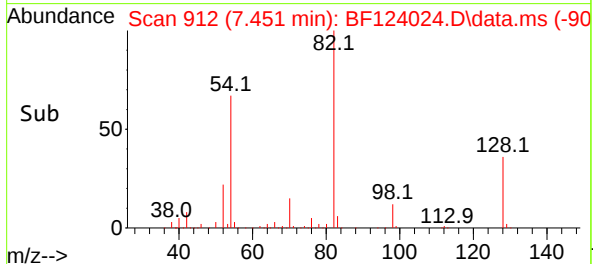
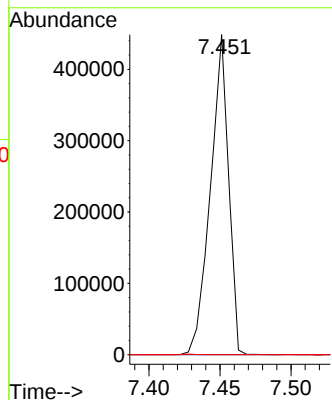
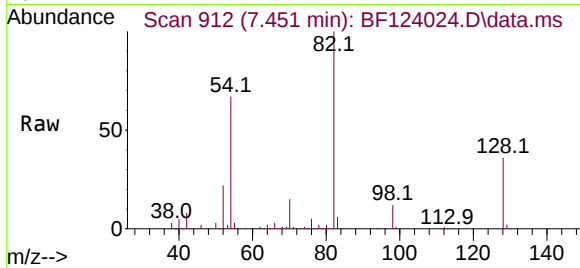




#25
Isophorone
Concen: 47.16 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.271 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

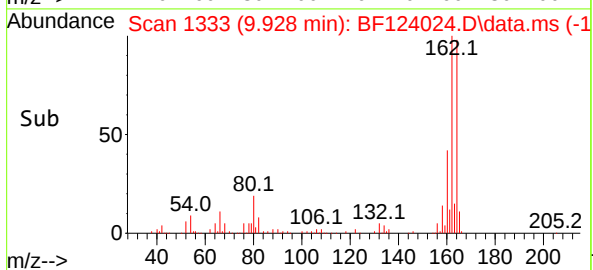
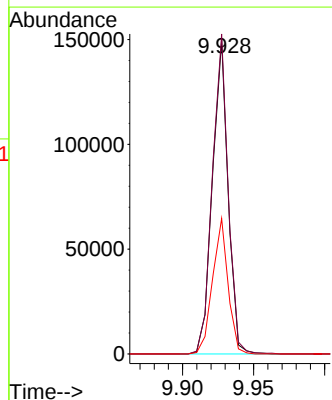
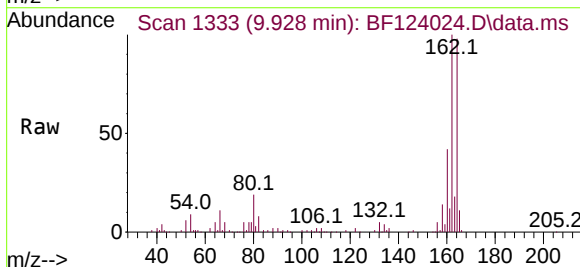
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-C

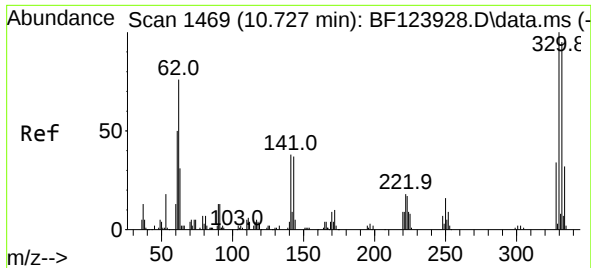
Tgt Ion: 82 Resp: 398583
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

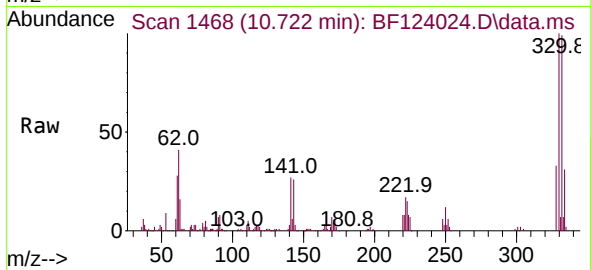
Tgt Ion:164 Resp: 114947
Ion Ratio Lower Upper
164 100
162 101.9 80.7 121.1
160 43.2 37.3 55.9



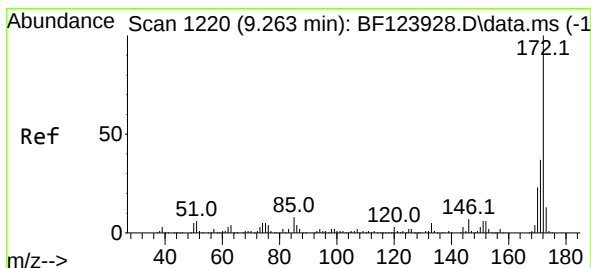
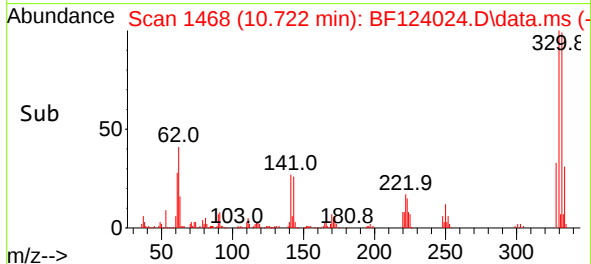
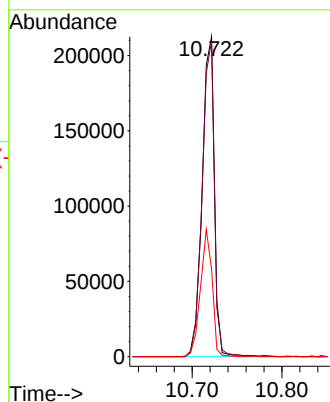


#42
2,4,6-Tribromophenol
Concen: 145.15 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

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

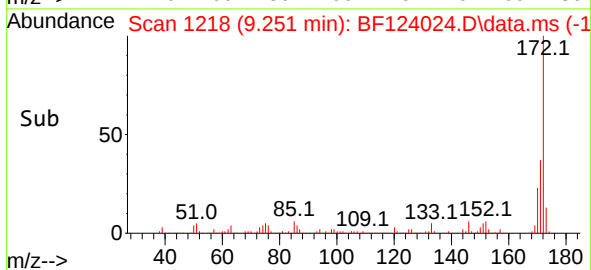
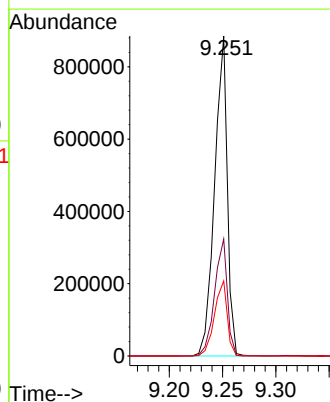
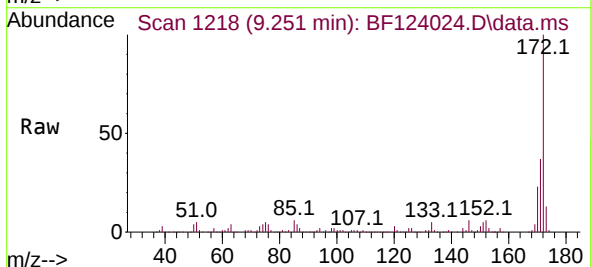


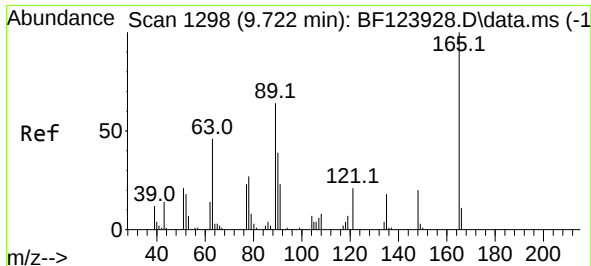
Tgt Ion:330 Resp: 200404
Ion Ratio Lower Upper
330 100
332 98.1 77.1 115.7
141 38.2 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 78.40 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

Tgt Ion:172 Resp: 732327
Ion Ratio Lower Upper
172 100
171 36.6 28.1 42.1
170 23.5 19.2 28.8

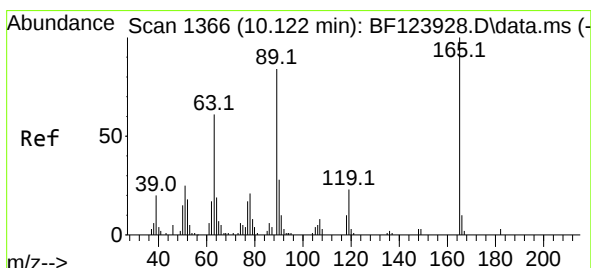
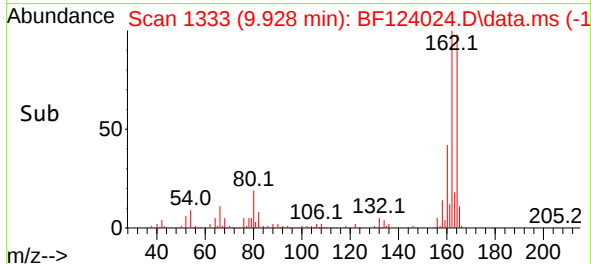
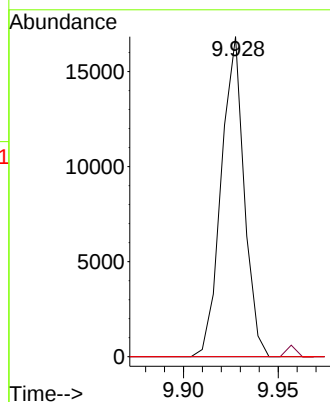
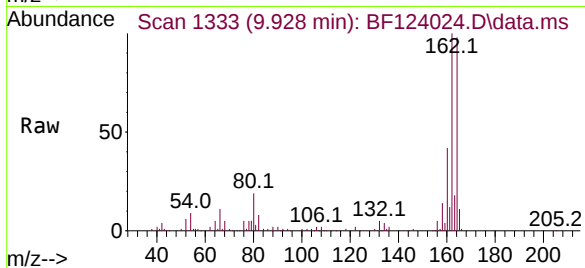




#51
2,6-Dinitrotoluene
Concen: 7.63 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

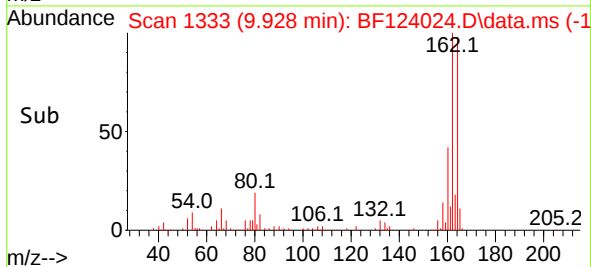
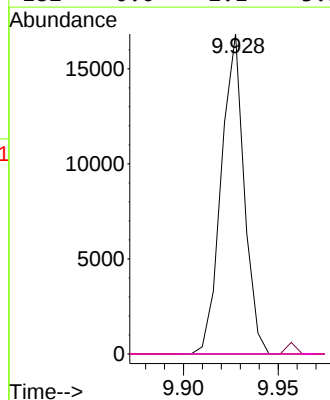
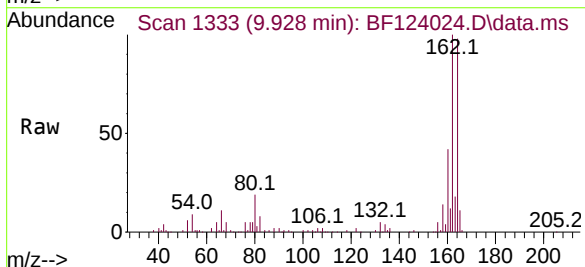
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JG-SPOILS-5-11-21-C

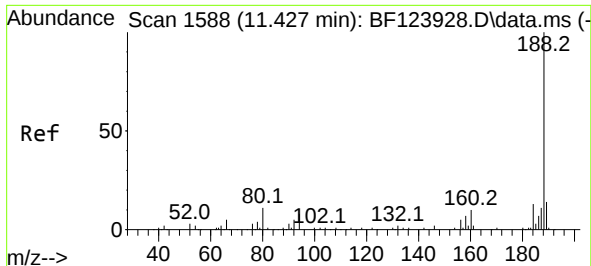
Tgt Ion:165 Resp: 14161
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.22 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

Tgt Ion:165 Resp: 14161
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

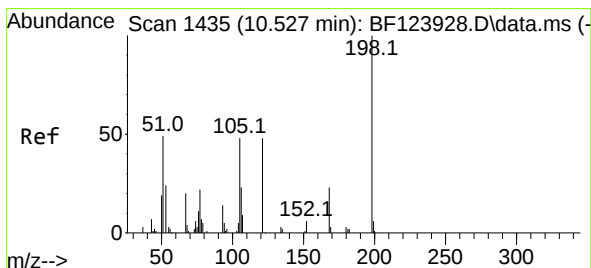
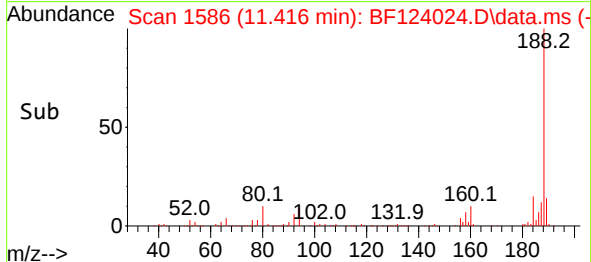
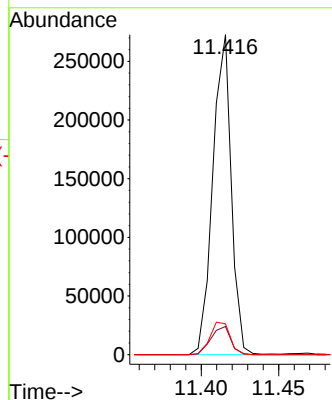
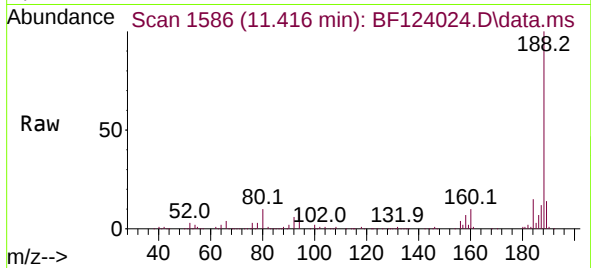




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.011 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

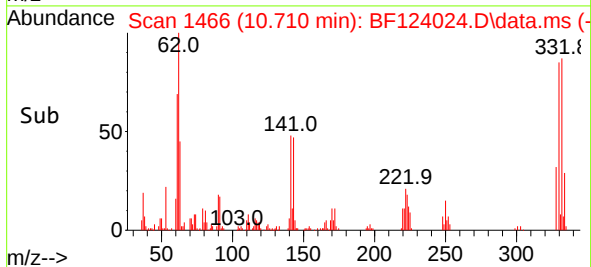
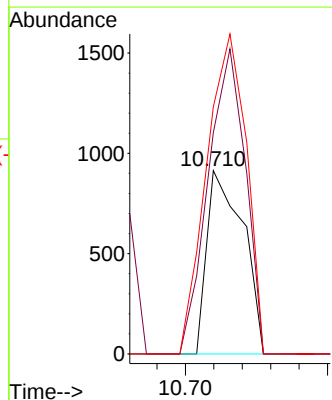
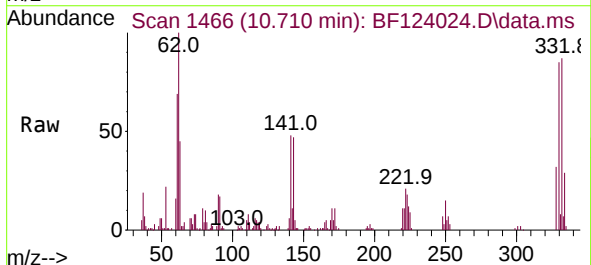
Instrument :
BNA_F
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JG-SPOILS-5-11-21-C

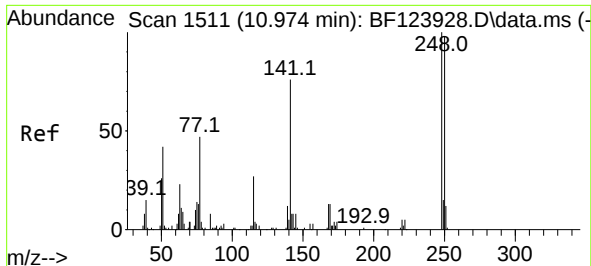
Tgt Ion:188 Resp: 225459
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 9.7 8.2 12.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.93 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.183 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

Tgt Ion:198 Resp: 807
Ion Ratio Lower Upper
198 100
51 120.7 64.8 104.8#
105 134.7 42.6 82.6#

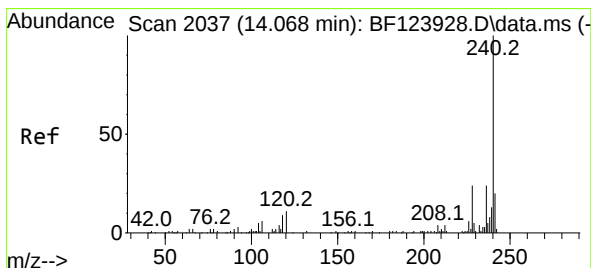
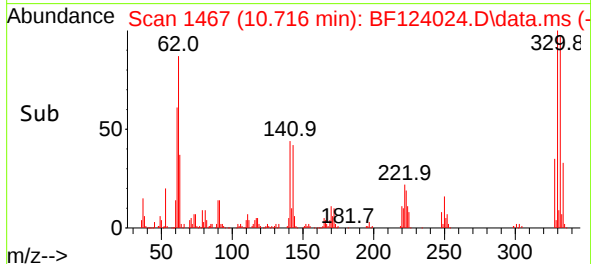
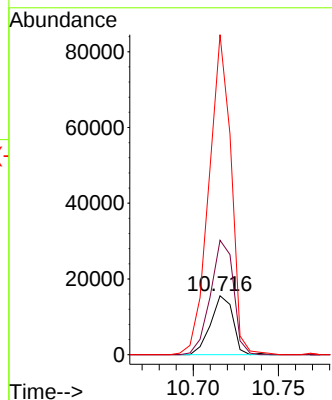
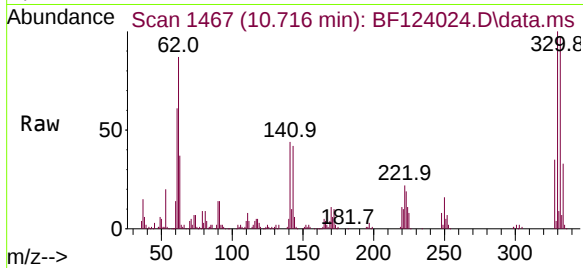




#67
4-Bromophenyl-phenylether
Concen: 4.79 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.259 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

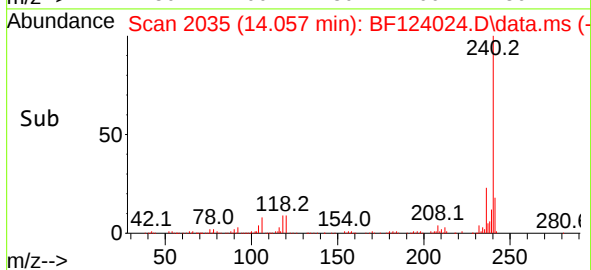
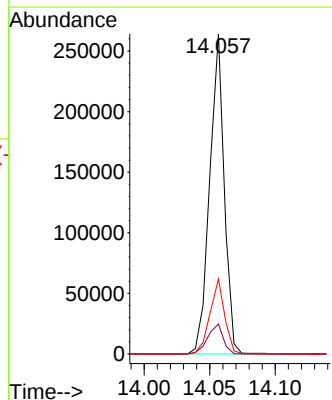
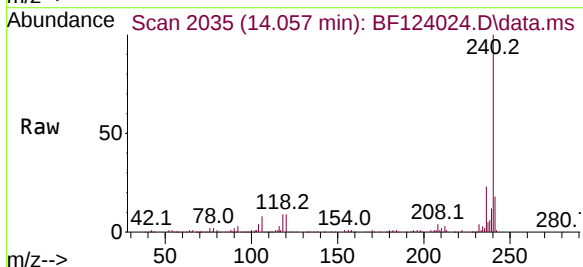
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-C

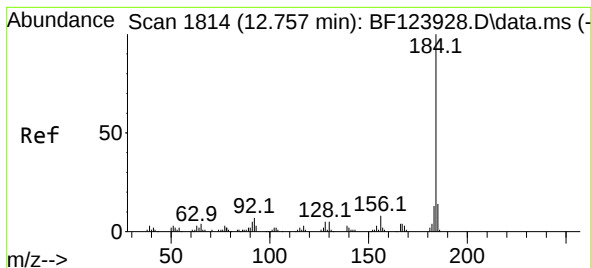
Tgt Ion:248 Resp: 14196
Ion Ratio Lower Upper
248 100
250 194.2 77.4 116.2#
141 543.0 63.7 95.5#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124024.D
Acq: 21 May 2021 18:19

Tgt Ion:240 Resp: 204658
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 23.4 19.0 28.4





#77

Benzidine

Concen: 3.45 ng

RT: 13.010 min Scan# 1857

Delta R.T. 0.253 min

Lab File: BF124024.D

Acq: 21 May 2021 18:19

Tgt Ion:184 Resp: 17014

Ion Ratio Lower Upper

184 100

185 19.2 12.1 18.1#

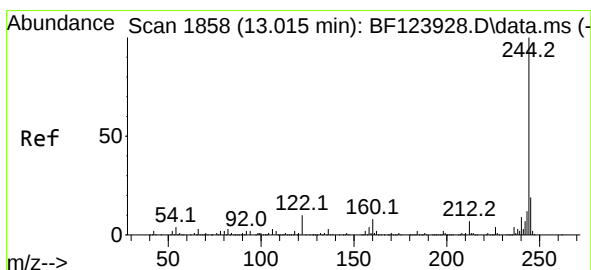
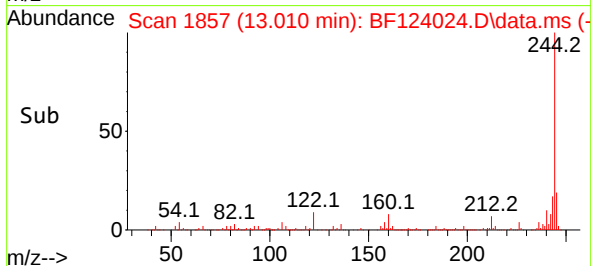
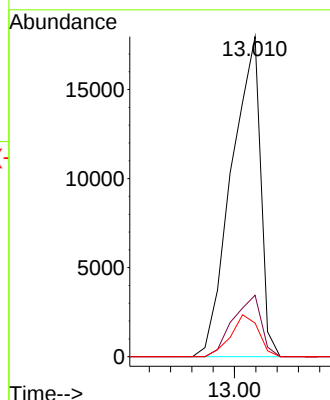
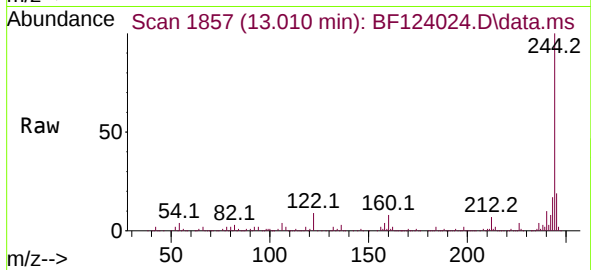
183 10.5 7.8 11.8

Instrument :

BNA_F

ClientSampleId :

JG-SPOILS-5-11-21-C



#79

Terphenyl-d14

Concen: 78.78 ng

RT: 13.010 min Scan# 1857

Delta R.T. -0.006 min

Lab File: BF124024.D

Acq: 21 May 2021 18:19

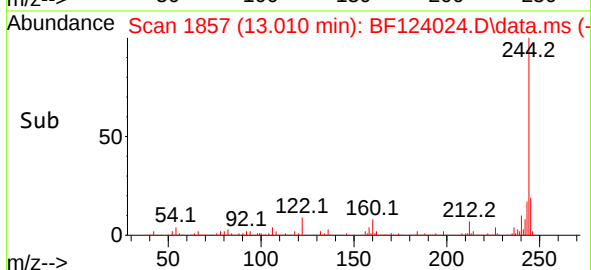
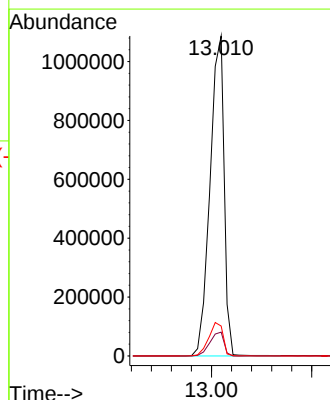
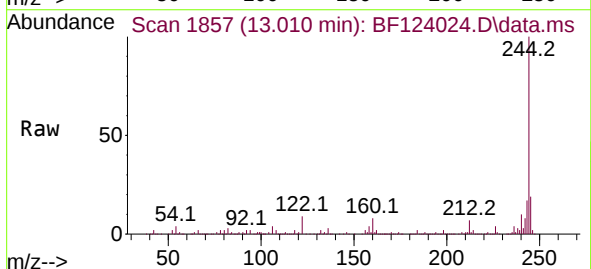
Tgt Ion:244 Resp: 1064600

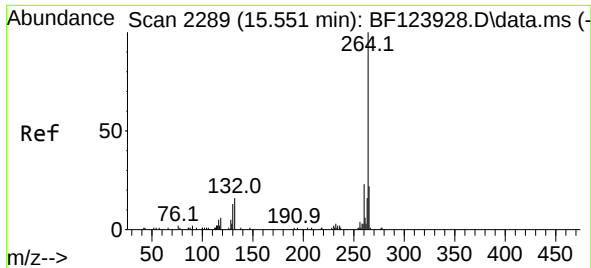
Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 9.4 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: BF124024.D
 Acq: 21 May 2021 18:19

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

Tgt Ion:264 Resp: 161842
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 20.0 17.8 26.8

