

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052521\
 Data File : BF124054.D
 Acq On : 25 May 2021 20:02
 Operator : JU/CG
 Sample : M2366-07RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 26 02:35:12 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)

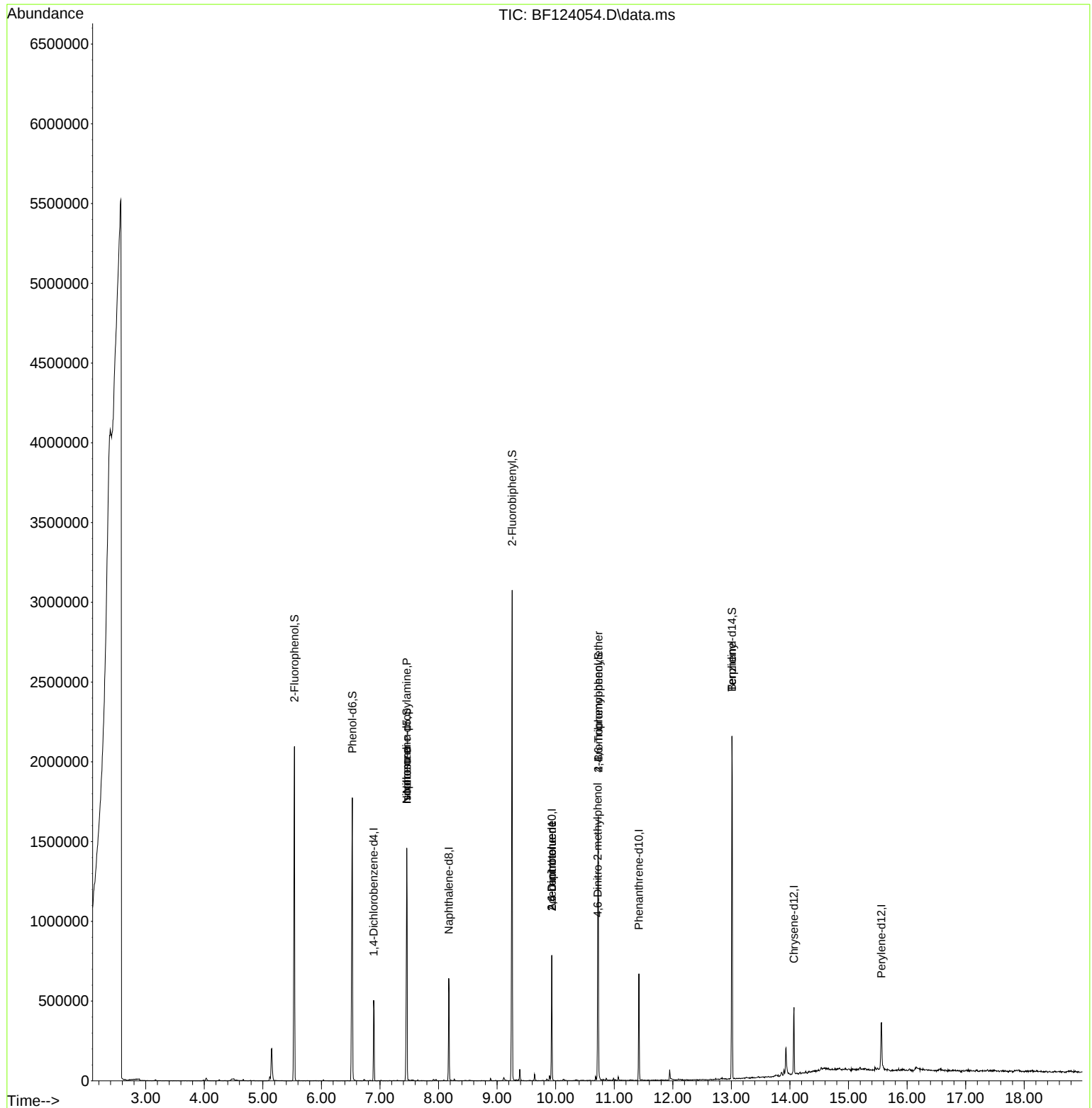
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	63175	20.00	ng	-0.01
21) Naphthalene-d8	8.175	136	250698	20.00	ng	-0.01
39) Acenaphthene-d10	9.933	164	132631	20.00	ng	-0.01
64) Phenanthrene-d10	11.422	188	207450	20.00	ng	0.00
76) Chrysene-d12	14.069	240	131699	20.00	ng	0.00
86) Perylene-d12	15.563	264	127780	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	455329	101.20	ng	0.03
7) Phenol-d6	6.528	99	540430	92.59	ng	0.00
23) Nitrobenzene-d5	7.457	82	492071	84.57	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	186256	116.92	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	846256	78.52	ng	0.00
79) Terphenyl-d14	13.010	244	678734	78.06	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	70774	17.94	ng	# 70
25) Isophorone	7.457	82	492152	43.97	ng	# 69
51) 2,6-Dinitrotoluene	9.933	165	17026	7.95	ng	# 13
57) 2,4-Dinitrotoluene	9.933	165	17026	6.48	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.716	198	1056	6.14	ng	# 61
67) 4-Bromophenyl-phenylether	10.728	248	12194	4.47	ng	# 1
77) Benzidine	13.010	184	11784	3.71	ng	98

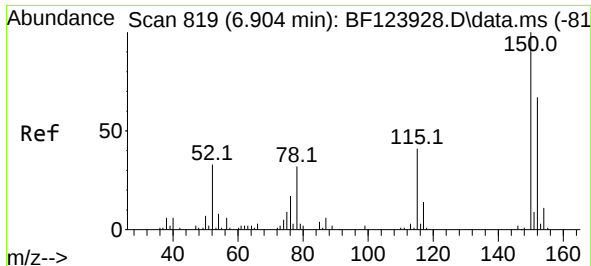
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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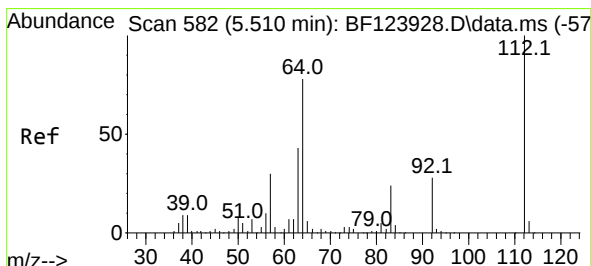
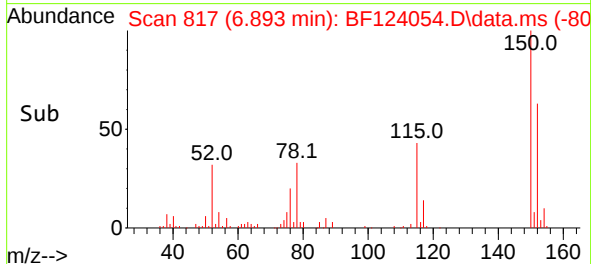
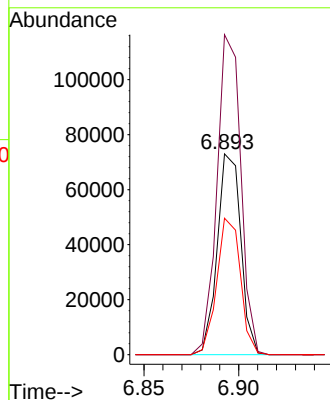
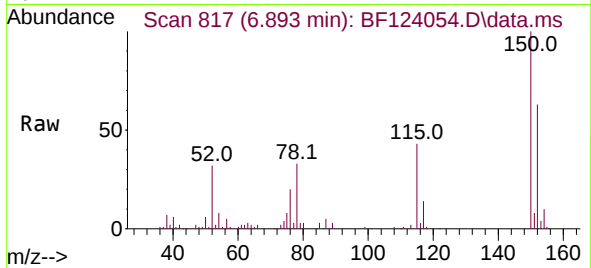




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.893 min Scan# 817
Delta R.T. -0.011 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

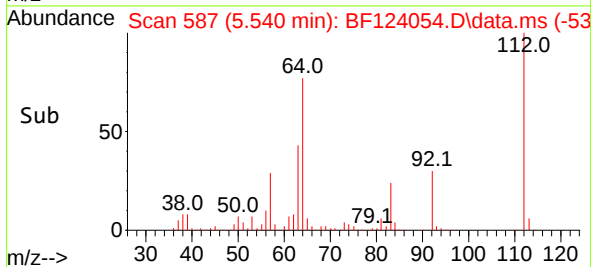
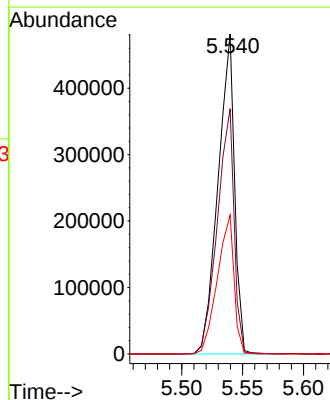
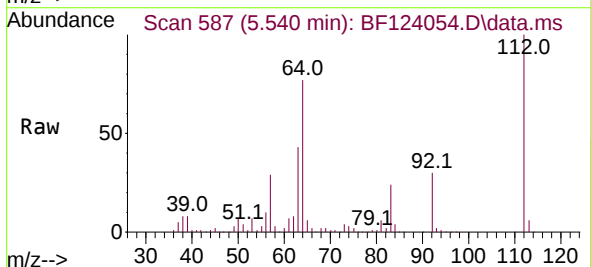
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A

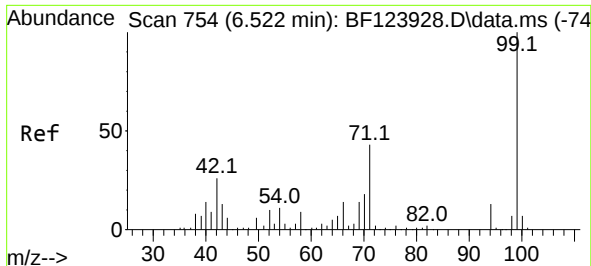
Tgt Ion:152 Resp: 63175
Ion Ratio Lower Upper
152 100
150 159.4 127.0 190.6
115 67.9 54.3 81.5



#5
2-Fluorophenol
Concen: 101.20 ng
RT: 5.540 min Scan# 587
Delta R.T. 0.030 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

Tgt Ion:112 Resp: 455329
Ion Ratio Lower Upper
112 100
64 76.7 61.4 92.0
63 43.4 33.0 49.4

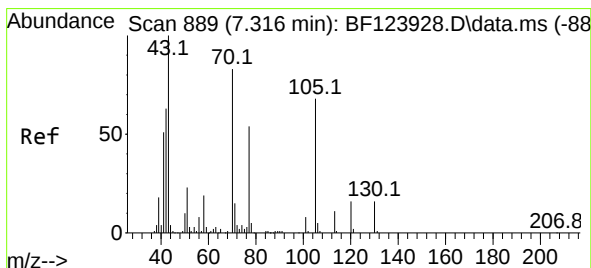
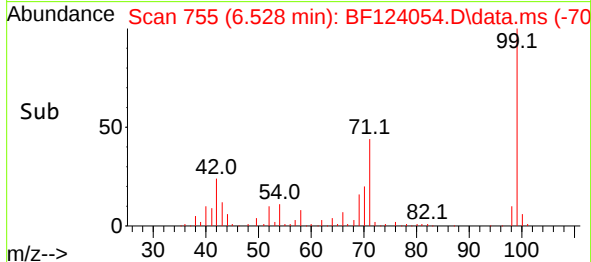
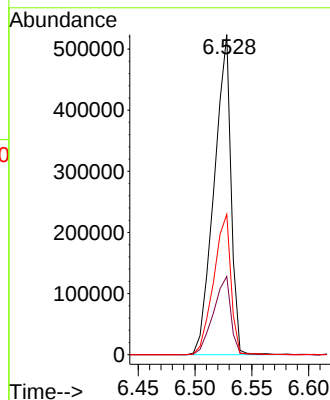
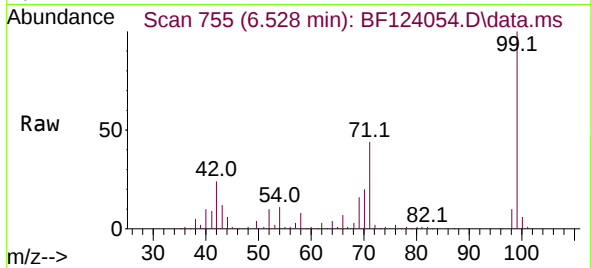




#7
Phenol-d6
Concen: 92.59 ng
RT: 6.528 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

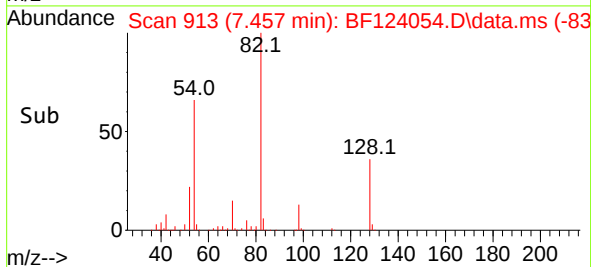
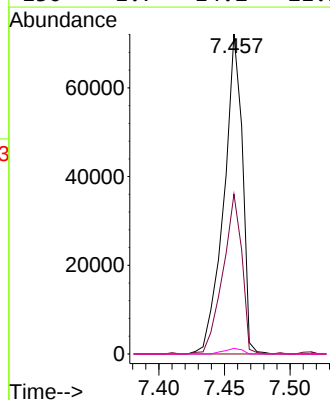
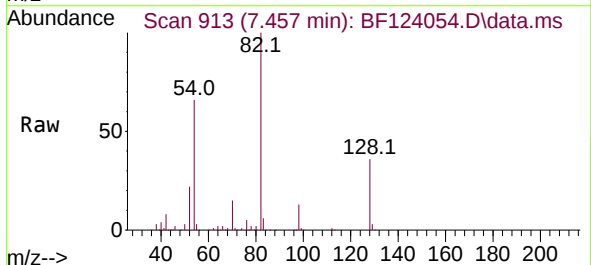
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A

Tgt Ion: 99 Resp: 540430
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.8
71 43.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.94 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.141 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

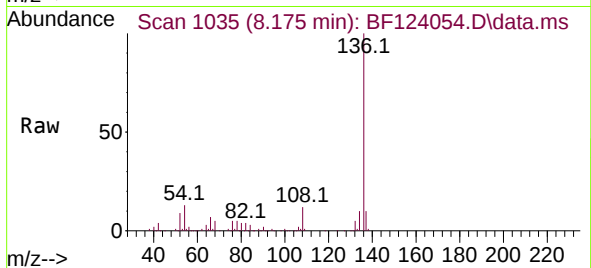
Tgt Ion: 70 Resp: 70774
Ion Ratio Lower Upper
70 100
42 49.9 60.1 90.1#
101 0.0 7.4 11.2#
130 1.7 14.2 21.2#



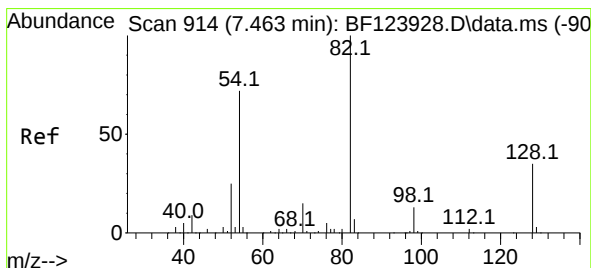
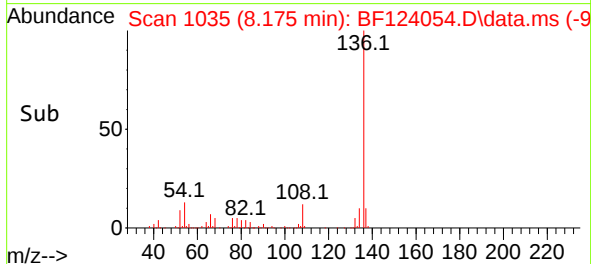
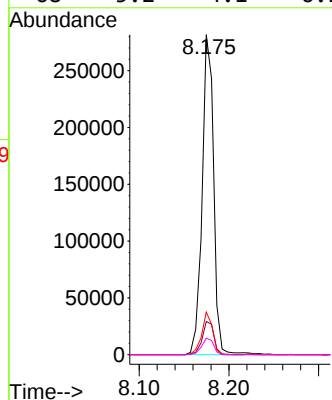


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

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

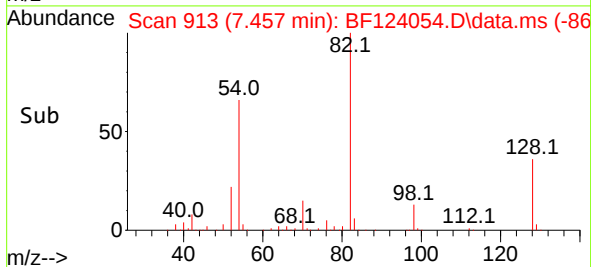
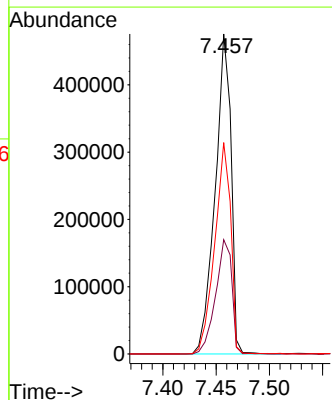
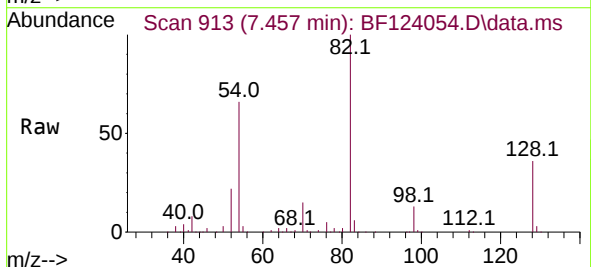


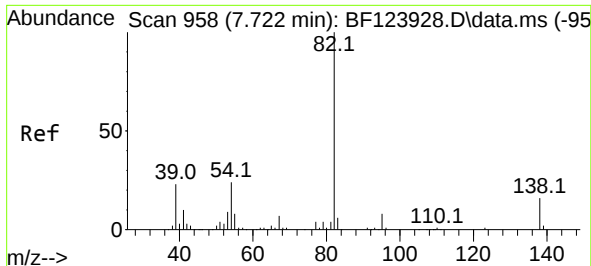
Tgt Ion:	136	Resp:	250698
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.7	13.1
54	13.3	9.8	14.6
68	5.2	4.1	6.1



#23
Nitrobenzene-d5
Concen: 84.57 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

Tgt Ion:	82	Resp:	492071
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.4	44.2
54	66.1	54.1	81.1

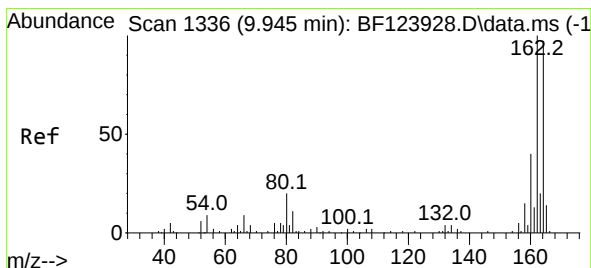
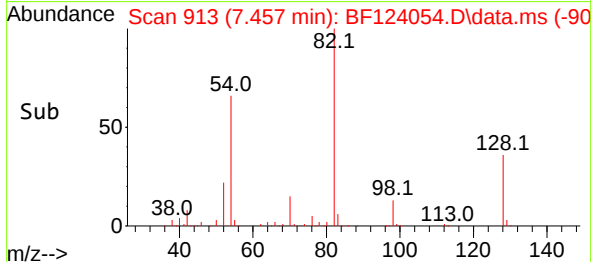
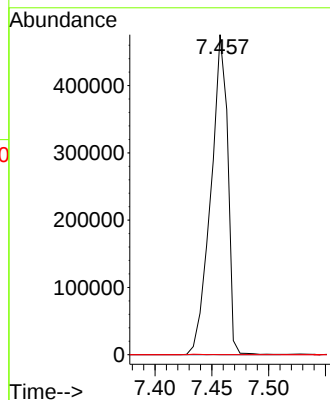
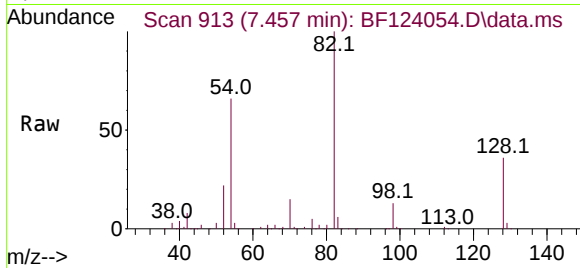




#25
Isophorone
Concen: 43.97 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.265 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

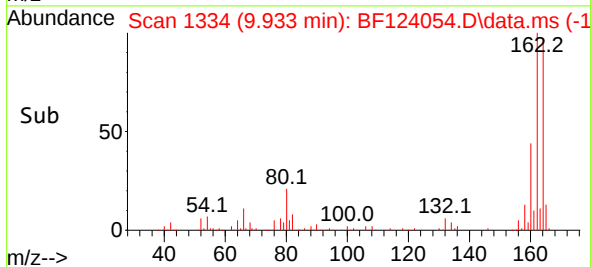
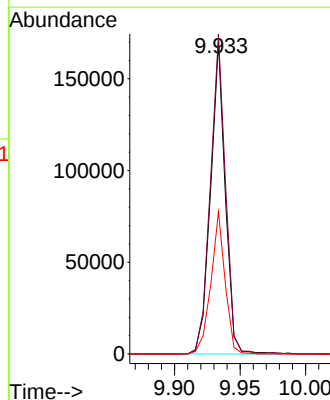
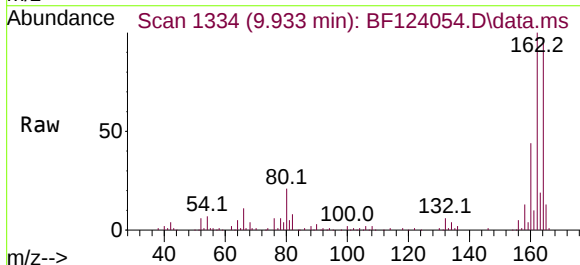
Instrument :
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ClientSampleId :
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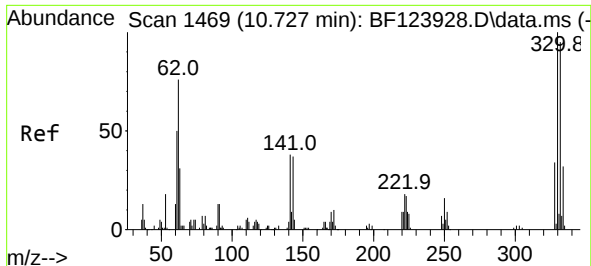
Tgt Ion: 82 Resp: 492152
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

Tgt Ion: 164 Resp: 132631
Ion Ratio Lower Upper
164 100
162 102.7 80.7 121.1
160 45.7 37.3 55.9

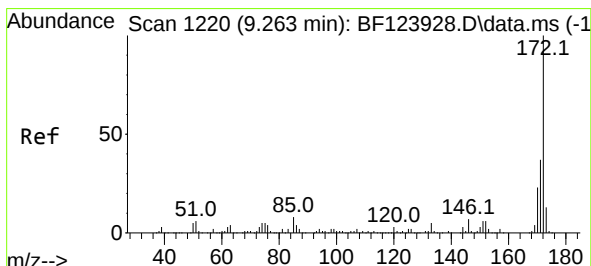
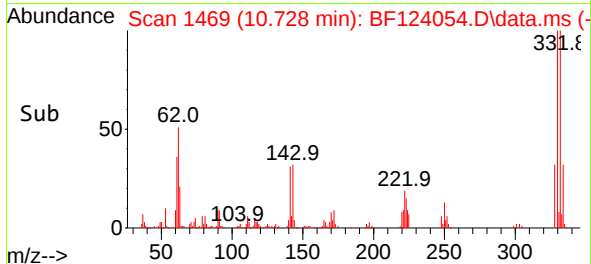
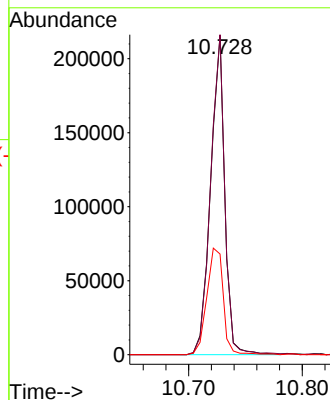
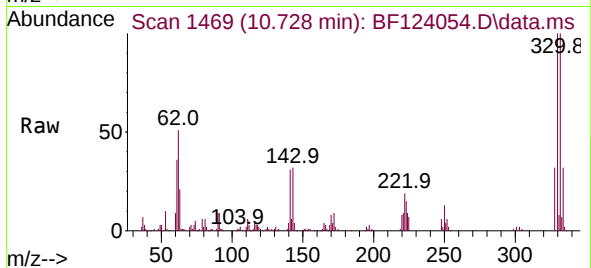




#42
2,4,6-Tribromophenol
Concen: 116.92 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

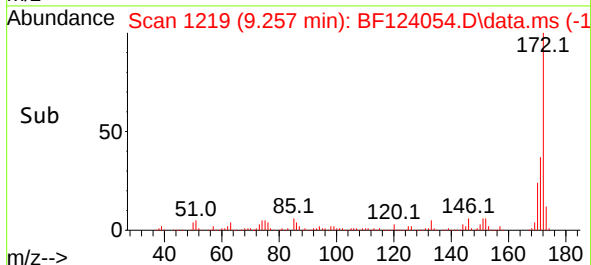
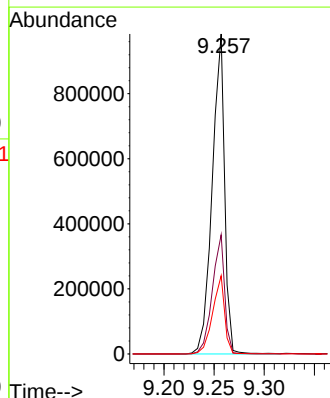
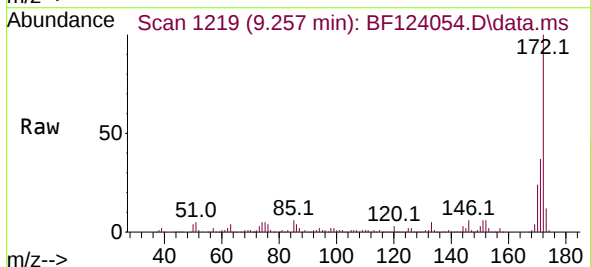
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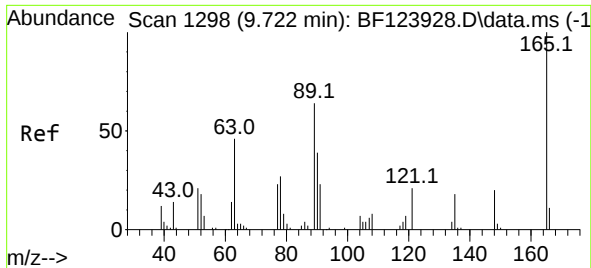
Tgt Ion: 330 Resp: 186256
Ion Ratio Lower Upper
330 100
332 100.5 77.1 115.7
141 38.8 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 78.52 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

Tgt Ion: 172 Resp: 846256
Ion Ratio Lower Upper
172 100
171 37.2 28.1 42.1
170 24.4 19.2 28.8

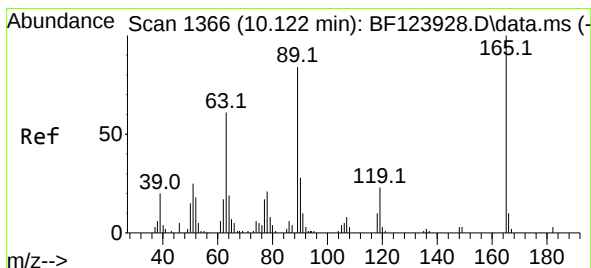
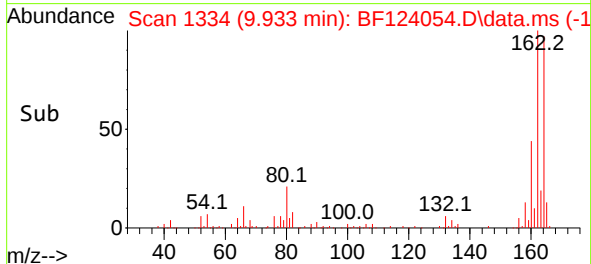
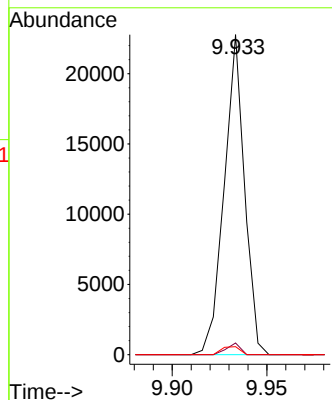
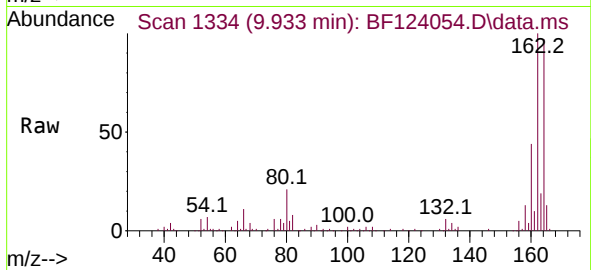




#51
2,6-Dinitrotoluene
Concen: 7.95 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.212 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

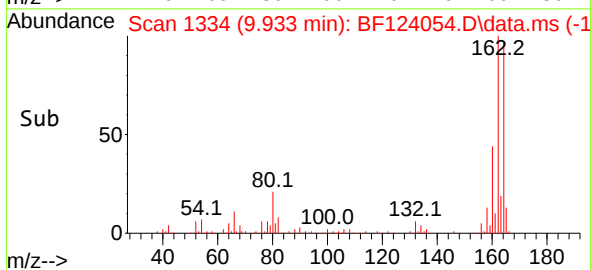
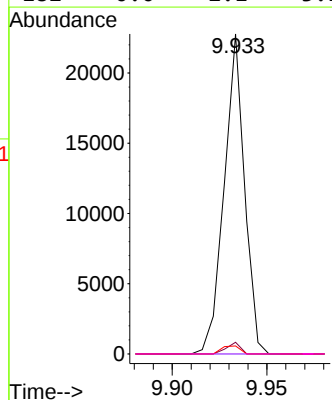
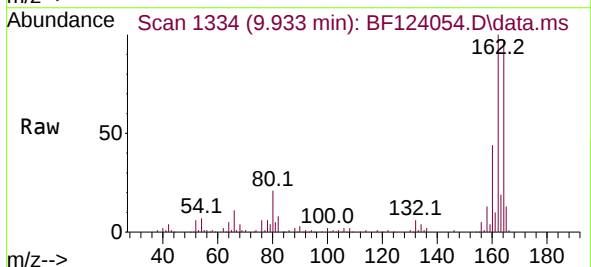
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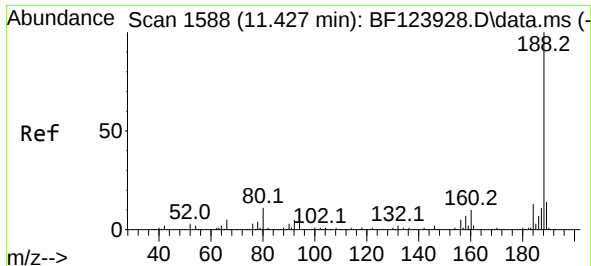
Tgt Ion:165 Resp: 17026
Ion Ratio Lower Upper
165 100
63 3.6 67.7 101.5#
89 2.5 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.48 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

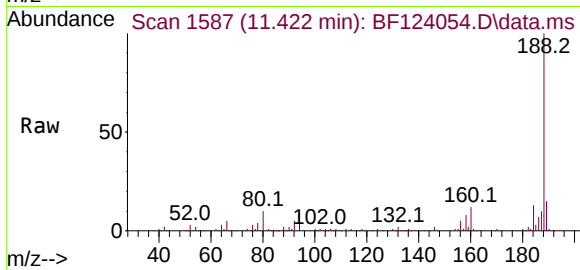
Tgt Ion:165 Resp: 17026
Ion Ratio Lower Upper
165 100
63 3.6 43.5 65.3#
89 2.5 67.7 101.5#
182 0.0 2.1 3.1#



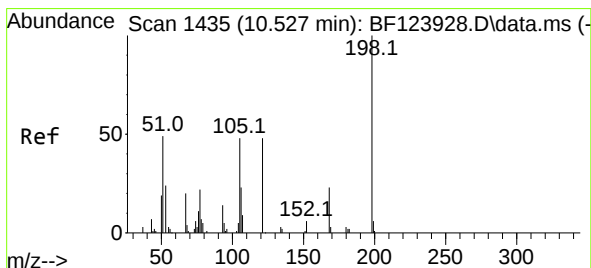
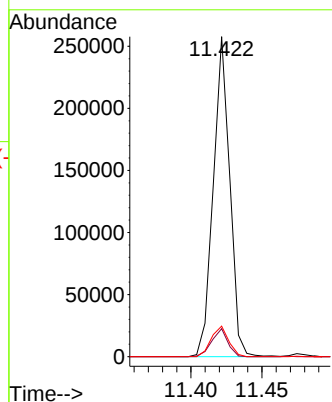
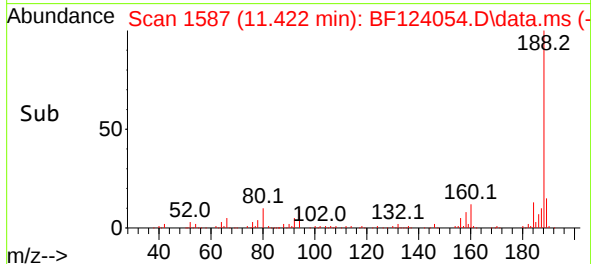


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.005 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

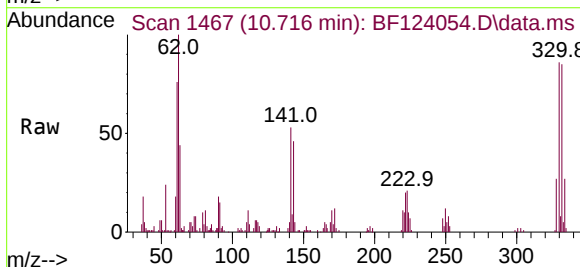
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A



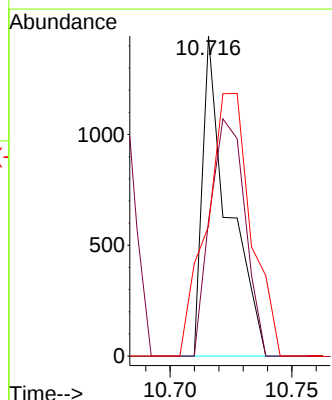
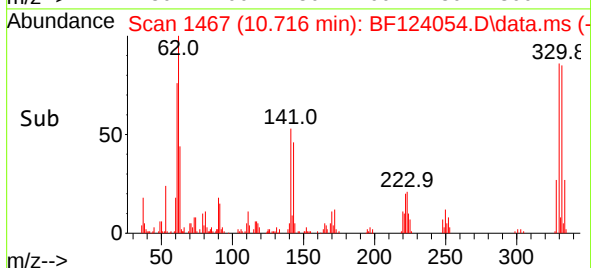
Tgt Ion:188 Resp: 207450
Ion Ratio Lower Upper
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94 8.7 6.9 10.3
80 9.6 8.2 12.2

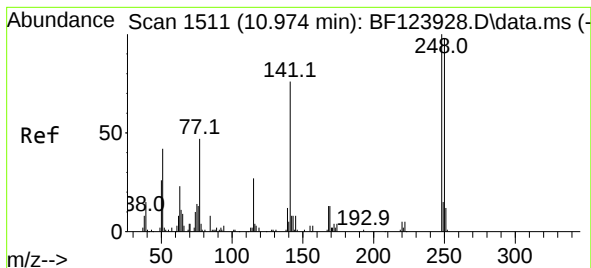


#65
4,6-Dinitro-2-methylphenol
Concen: 6.14 ng
RT: 10.716 min Scan# 1467
Delta R.T. 0.189 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02



Tgt Ion:198 Resp: 1056
Ion Ratio Lower Upper
198 100
51 42.3 64.8 104.8#
105 40.6 42.6 82.6#

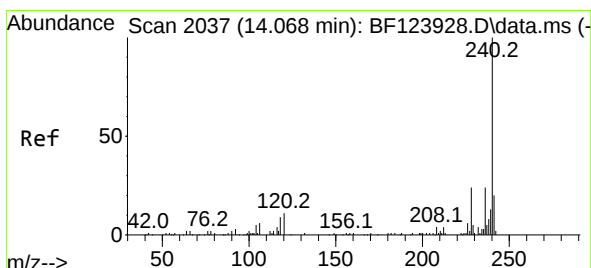
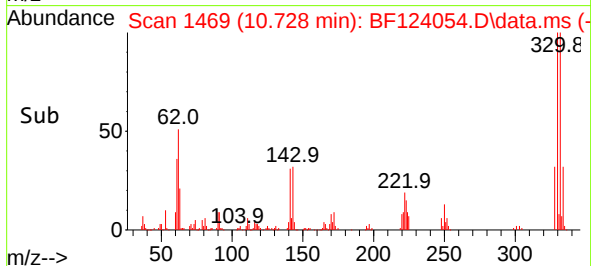
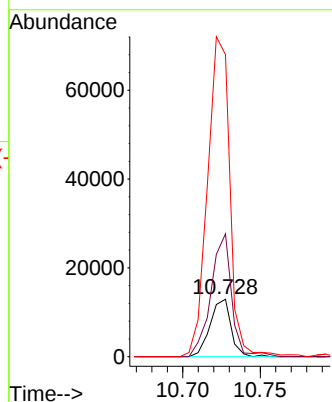
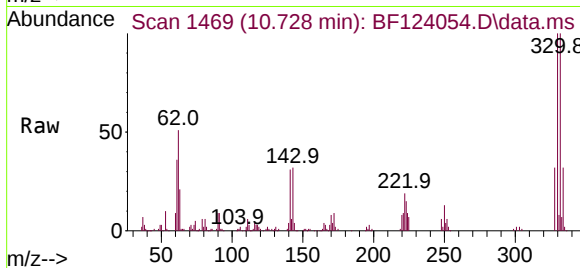




#67
4-Bromophenyl-phenylether
Concen: 4.47 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

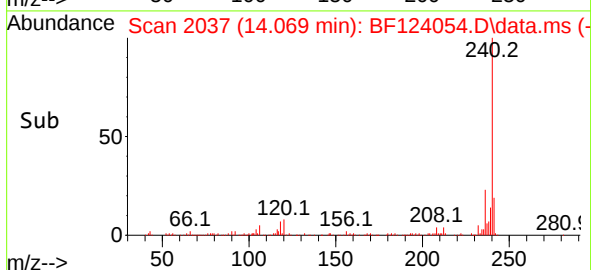
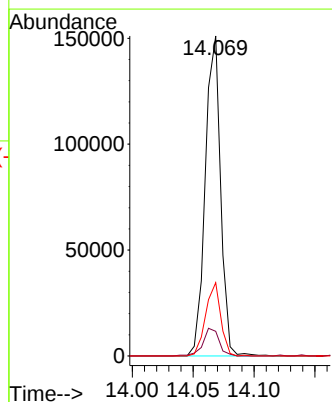
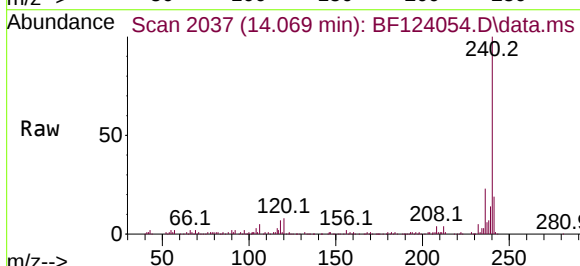
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A

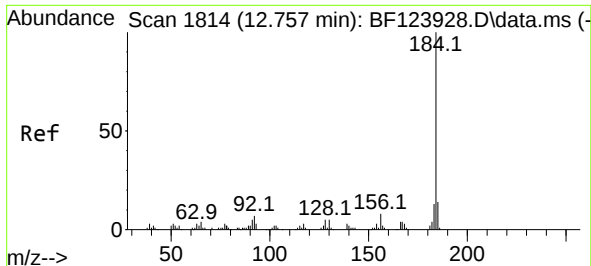
Tgt Ion:248 Resp: 12194
Ion Ratio Lower Upper
248 100
250 213.9 77.4 116.2#
141 525.7 63.7 95.5#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.069 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

Tgt Ion:240 Resp: 131699
Ion Ratio Lower Upper
240 100
120 7.7 7.2 10.8
236 22.9 19.0 28.4

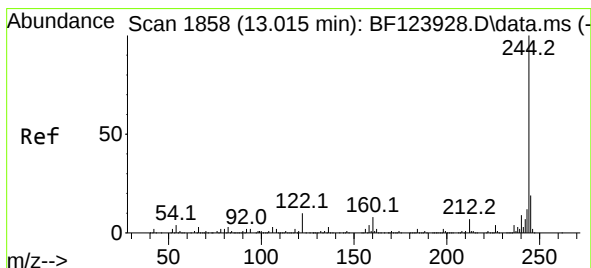
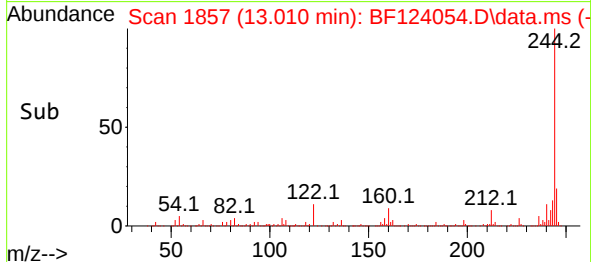
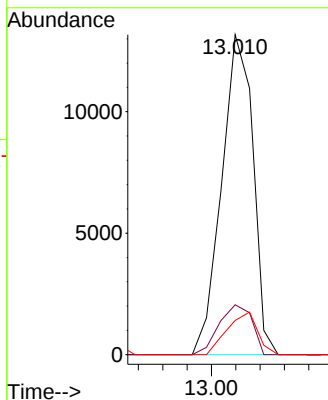
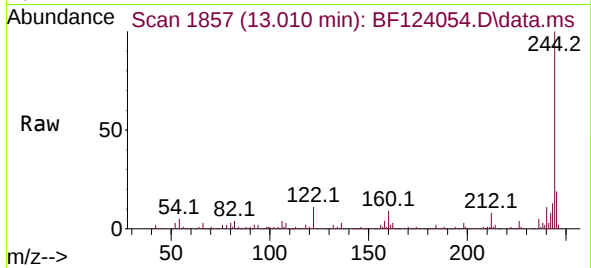




#77
Benzidine
Concen: 3.71 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.253 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

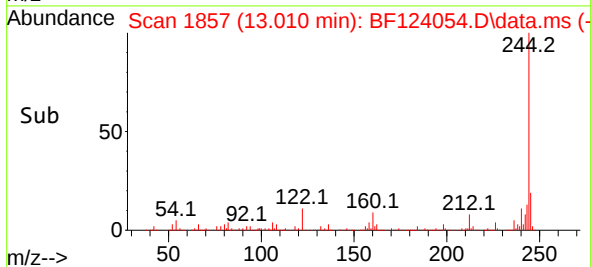
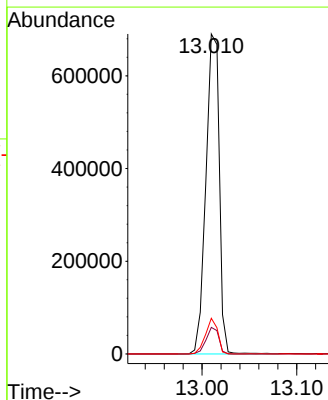
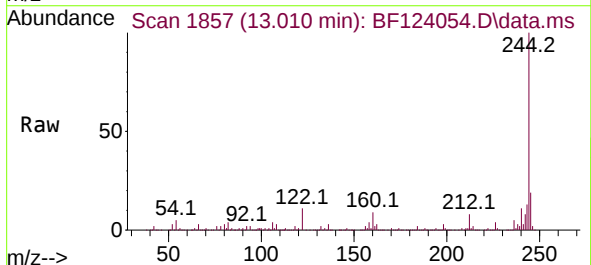
Instrument :
BNA_F
ClientSampleId :
JG-SPOILS-5-11-21-A

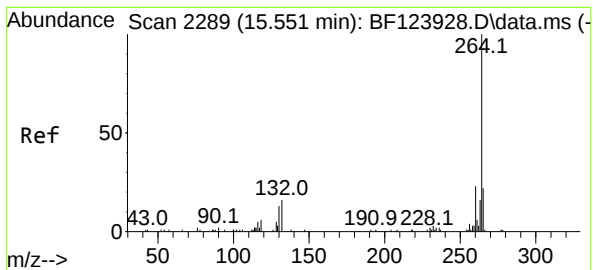
Tgt Ion:184 Resp: 11784
Ion Ratio Lower Upper
184 100
185 15.6 12.1 18.1
183 10.7 7.8 11.8



#79
Terphenyl-d14
Concen: 78.06 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF124054.D
Acq: 25 May 2021 20:02

Tgt Ion:244 Resp: 678734
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 11.2 9.7 14.5





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.563 min Scan# 2291
 Delta R.T. 0.012 min
 Lab File: BF124054.D
 Acq: 25 May 2021 20:02

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

Tgt Ion:264	Resp:	127780
Ion Ratio	Lower	Upper
264	100	
260	22.3	18.7 28.1
265	21.7	17.8 26.8

