

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
 Data File : BF122124.D
 Acq On : 26 Oct 2020 19:41
 Operator : JU/CG
 Sample : L4436-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 34B

Quant Time: Oct 27 00:55:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 26 17:27:32 2020
 Response via : Initial Calibration

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

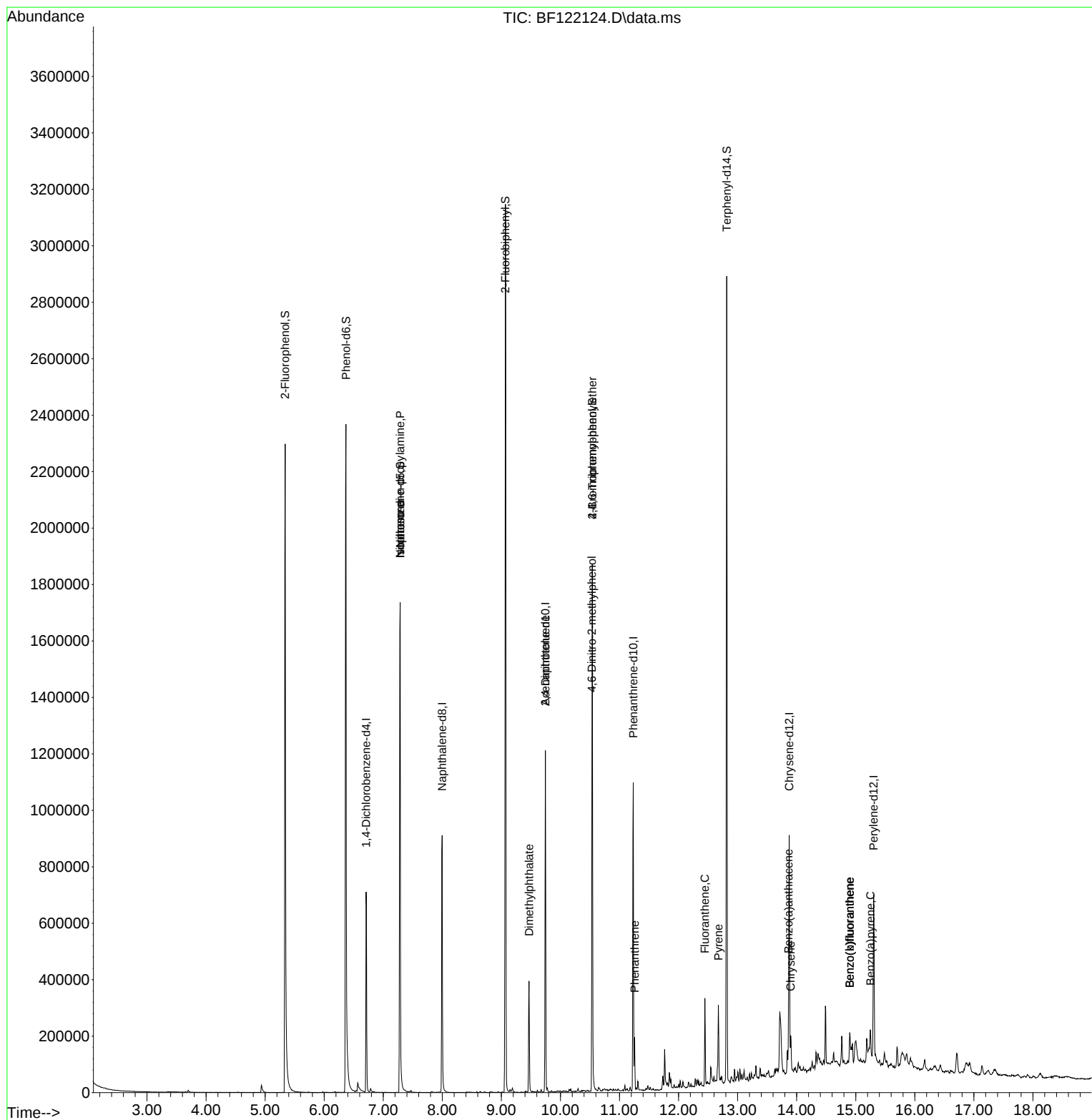
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	108810	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	430896	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	222582	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	385215	20.00	ng	0.00
76) Chrysene-d12	13.874	240	250872	20.00	ng	0.00
86) Perylene-d12	15.304	264	245804	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	704599	95.57	ng	0.00
7) Phenol-d6	6.369	99	887574	93.52	ng	0.00
23) Nitrobenzene-d5	7.287	82	616469	73.37	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	223932	81.33	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	1003246	66.32	ng	0.00
79) Terphenyl-d14	12.816	244	856519	65.07	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.363	77	1300	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.287	70	82613	15.29	ng	# 77
25) Isophorone	7.287	82	616465	38.80	ng	# 67
50) Dimethylphthalate	9.469	163	154306	9.48	ng	98
57) 2,4-Dinitrotoluene	9.745	165	28100	6.39	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.533	198	379	4.57	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	13281	2.98	ng	# 1
71) Phenanthrene	11.257	178	65874	3.12	ng	99
75) Fluoranthene	12.445	202	109120	4.82	ng	100
78) Pyrene	12.674	202	107067	5.60	ng	97
81) Benzo(a)anthracene	13.863	228	49517	3.01	ng	97
83) Chrysene	13.898	228	45310	2.81	ng	98
88) Benzo(b)fluoranthene	14.898	252	73344	4.41	ng	# 97
89) Benzo(k)fluoranthene	14.898	252	73344	4.65	ng	# 96
90) Benzo(a)pyrene	15.251	252	40939	2.85	ng	98

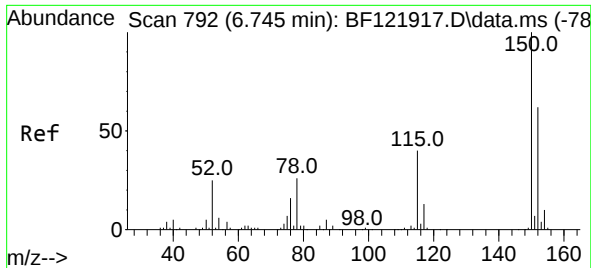
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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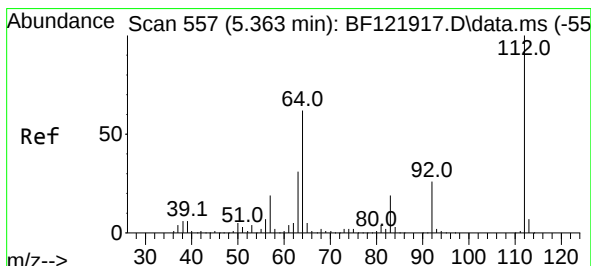
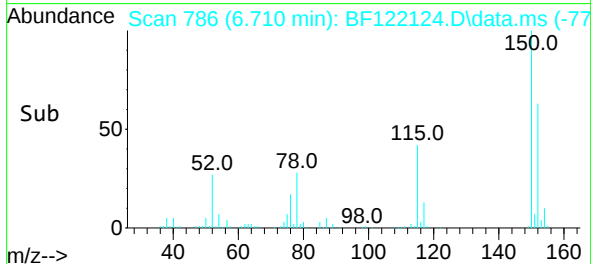
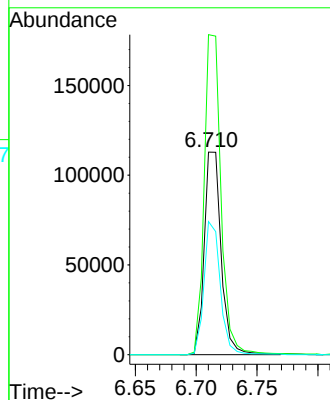
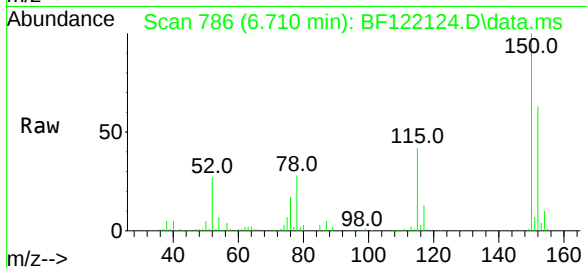




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.710 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF122124.D
 Acq: 26 Oct 2020 19:41

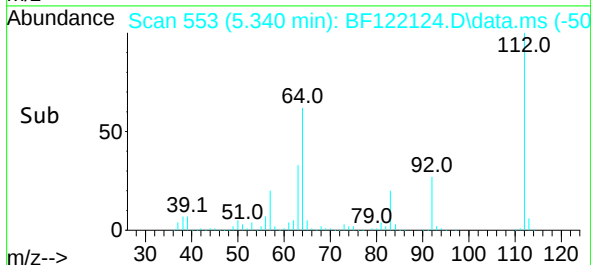
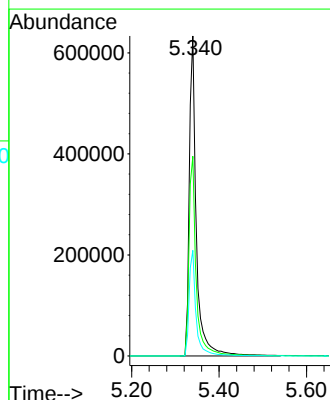
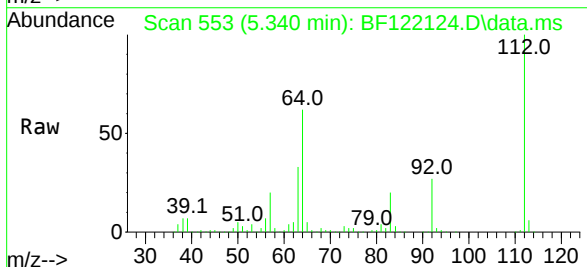
Instrument :
 BNA_F
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 34B

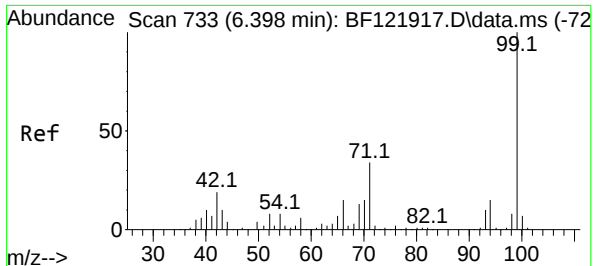
Tgt Ion:152 Resp: 108810
 Ion Ratio Lower Upper
 152 100
 150 158.0 125.3 187.9
 115 65.7 51.9 77.9



#5
 2-Fluorophenol
 Concen: 95.57 ng
 RT: 5.340 min Scan# 553
 Delta R.T. 0.006 min
 Lab File: BF122124.D
 Acq: 26 Oct 2020 19:41

Tgt Ion:112 Resp: 704599
 Ion Ratio Lower Upper
 112 100
 64 62.4 50.4 75.6
 63 33.0 25.8 38.6

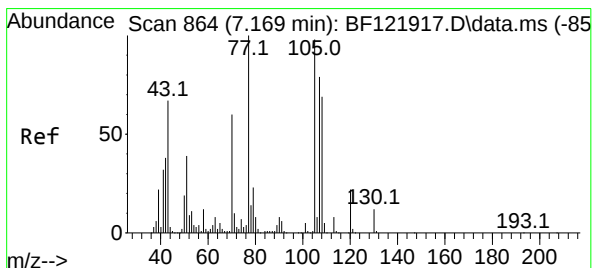
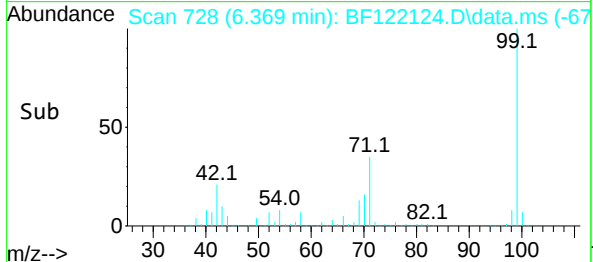
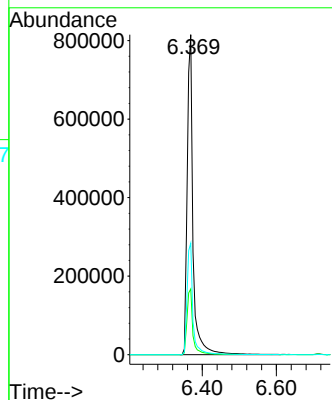
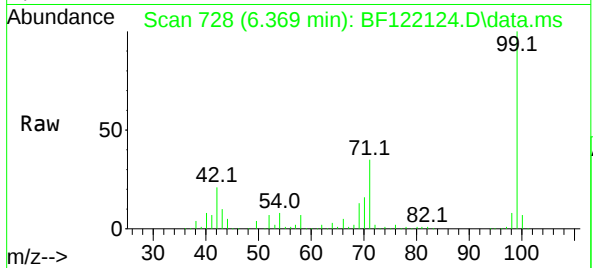




#7
Phenol-d6
Concen: 93.52 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

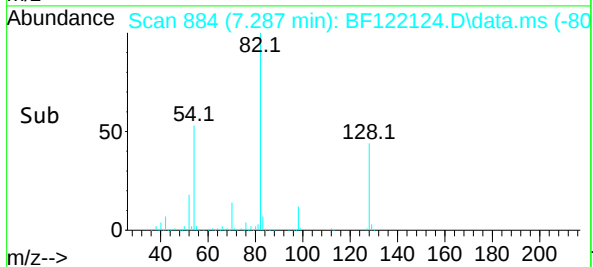
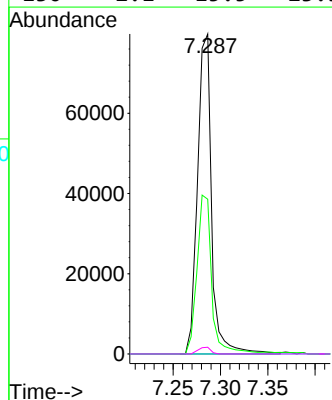
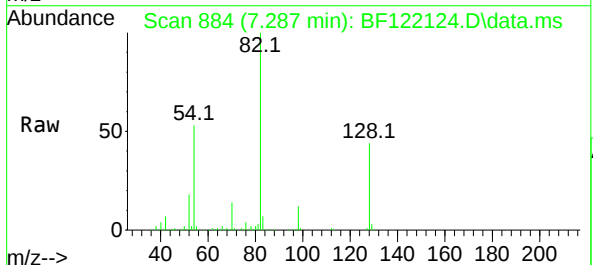
Instrument :
BNA_F
ClientSampleId :
34B

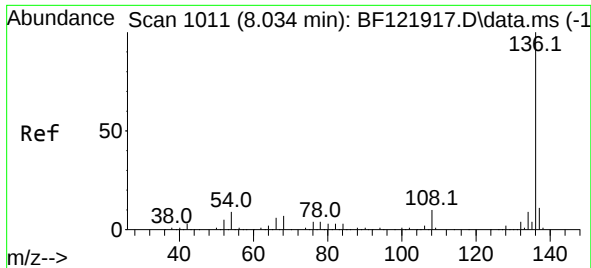
Tgt Ion: 99 Resp: 887574
Ion Ratio Lower Upper
99 100
42 20.6 15.9 23.9
71 34.9 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.29 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.147 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

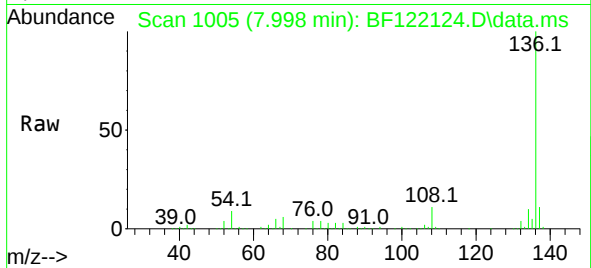
Tgt Ion: 70 Resp: 82613
Ion Ratio Lower Upper
70 100
42 48.4 50.2 75.4#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



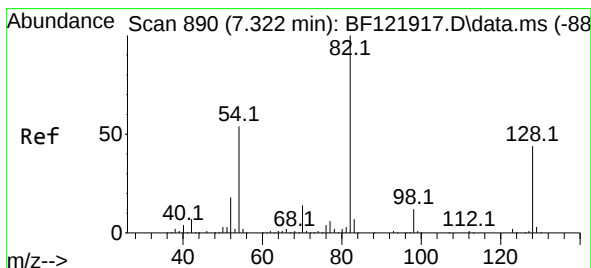
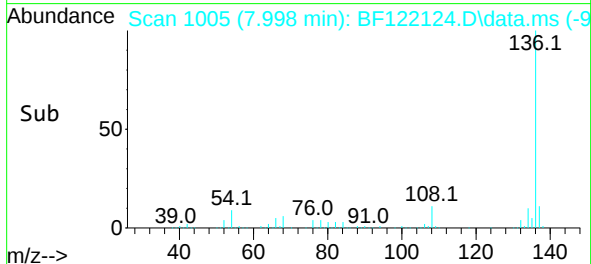
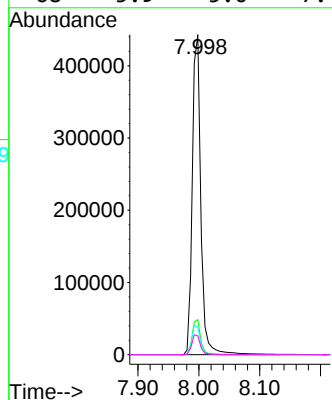


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

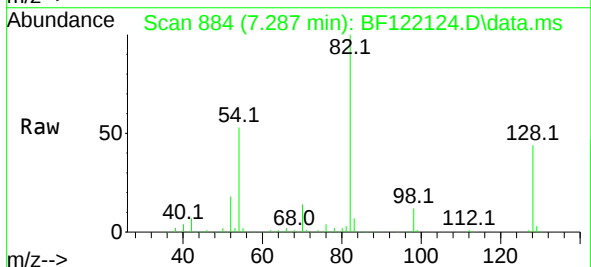
Instrument :
BNA_F
ClientSampleId :
34B



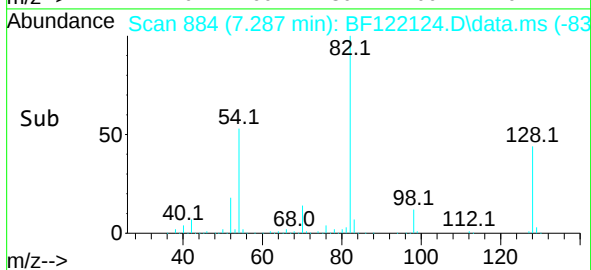
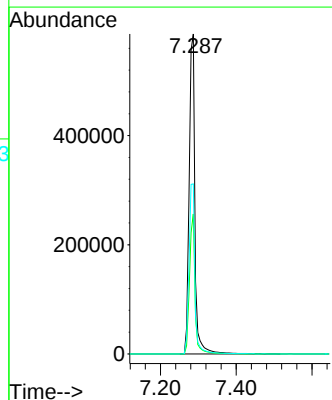
Tgt Ion:136 Resp: 430896
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 7.1 10.7
68 5.9 5.0 7.4

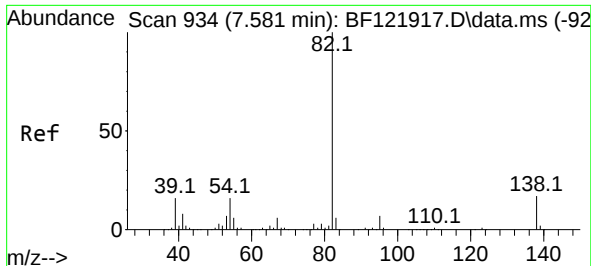


#23
Nitrobenzene-d5
Concen: 73.37 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41



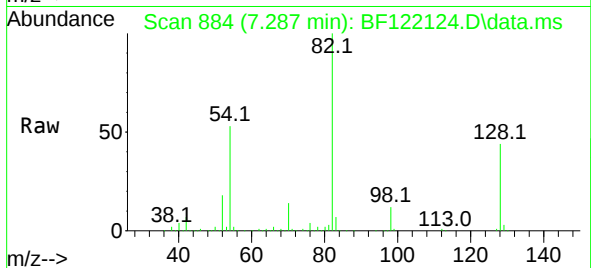
Tgt Ion: 82 Resp: 616469
Ion Ratio Lower Upper
82 100
128 43.8 35.0 52.4
54 53.1 43.9 65.9



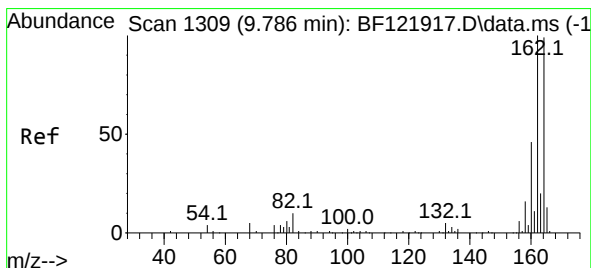
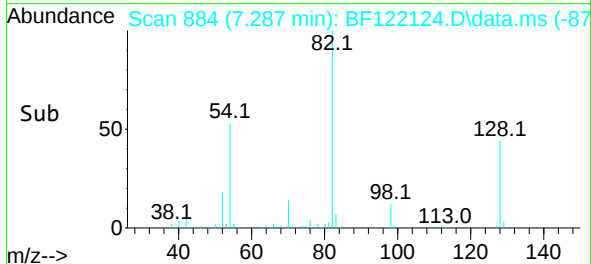
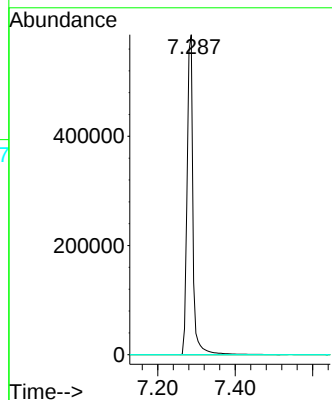


#25
Isophorone
Concen: 38.80 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.259 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

Instrument :
BNA_F
ClientSampleId :
34B

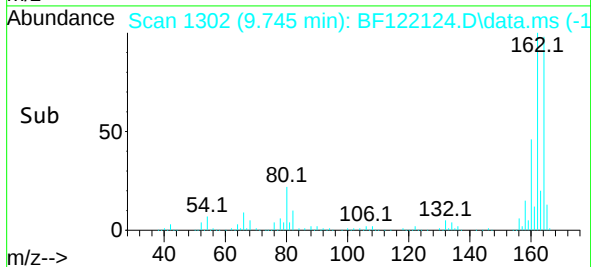
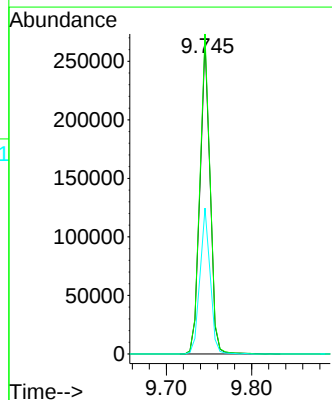
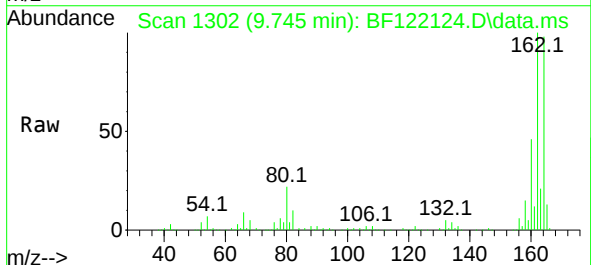


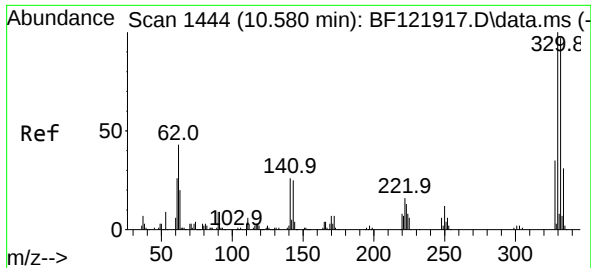
Tgt Ion: 82 Resp: 616465
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

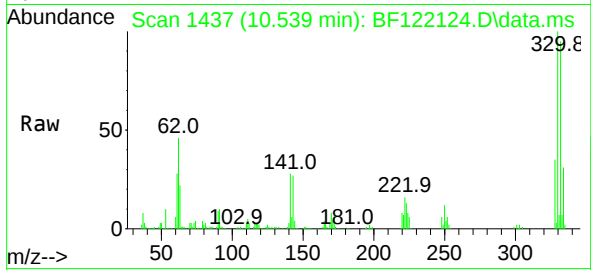
Tgt Ion: 164 Resp: 222582
Ion Ratio Lower Upper
164 100
162 102.2 83.2 124.8
160 46.6 37.5 56.3



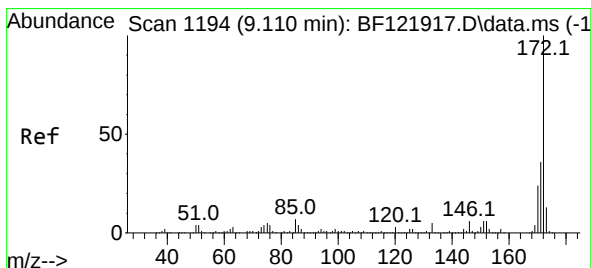
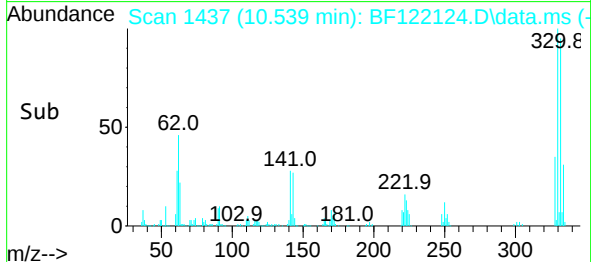
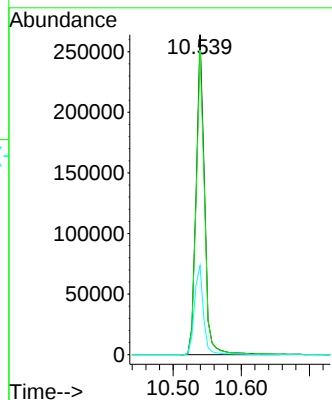


#42
2,4,6-Tribromophenol
Concen: 81.33 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

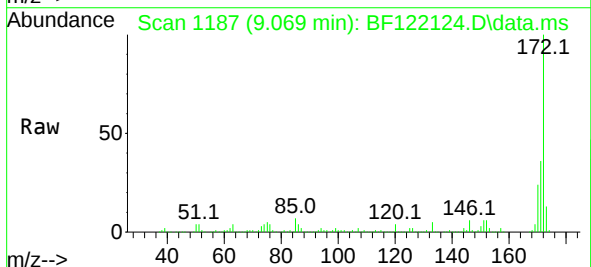
Instrument :
BNA_F
ClientSampled :
34B



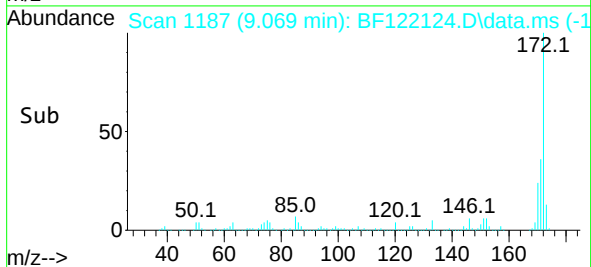
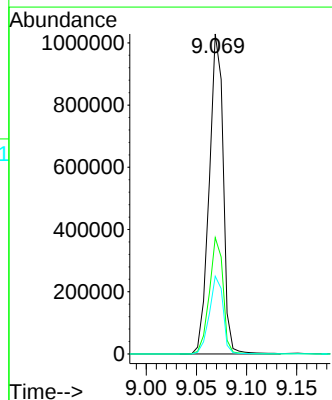
Tgt Ion: 330 Resp: 223932
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 30.0 22.3 33.5

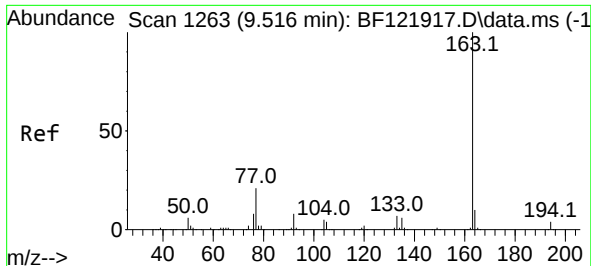


#45
2-Fluorobiphenyl
Concen: 66.32 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41



Tgt Ion: 172 Resp: 1003246
Ion Ratio Lower Upper
172 100
171 36.3 29.1 43.7
170 24.3 19.8 29.6

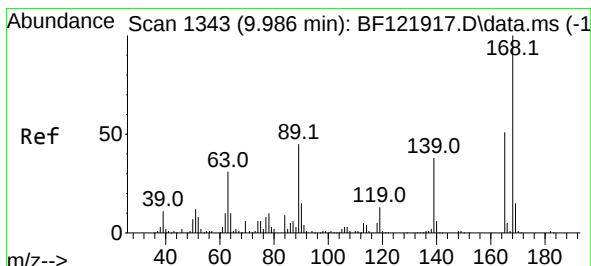
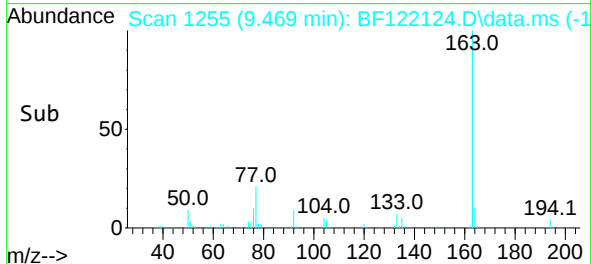
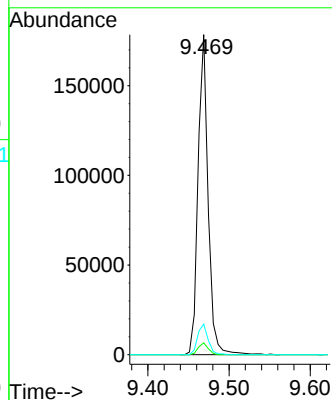
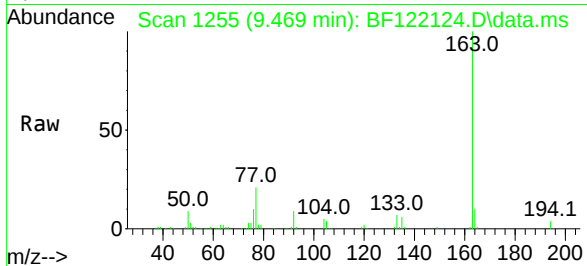




#50
Dimethylphthalate
Concen: 9.48 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

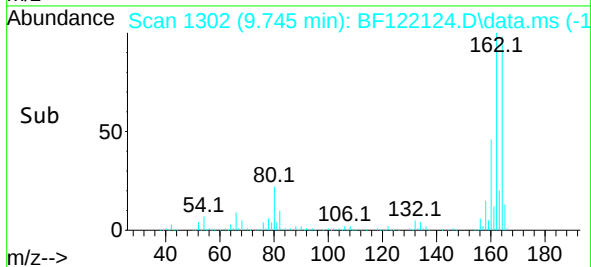
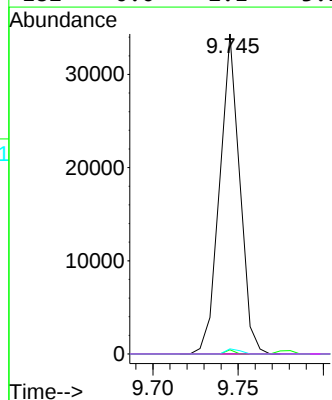
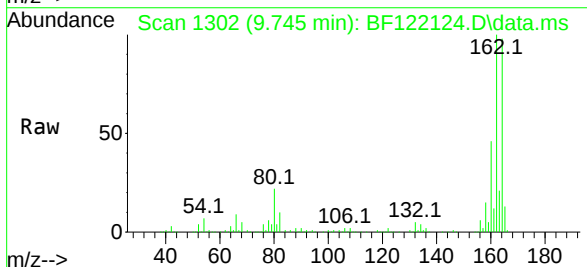
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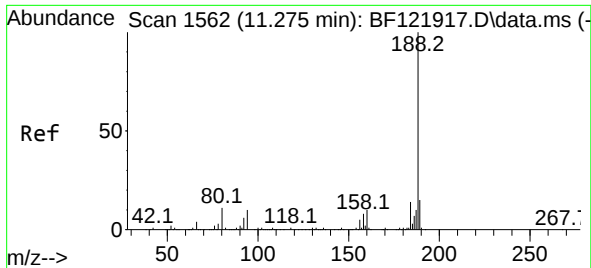
Tgt Ion:163 Resp: 154306
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 9.6 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.39 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

Tgt Ion:165 Resp: 28100
Ion Ratio Lower Upper
165 100
63 1.3 41.3 61.9#
89 1.6 61.8 92.8#
182 0.0 2.1 3.1#

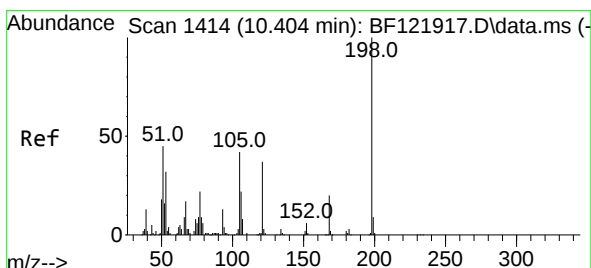
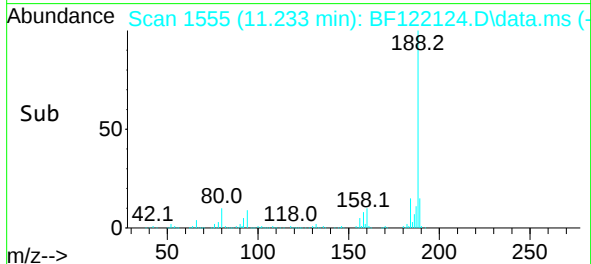
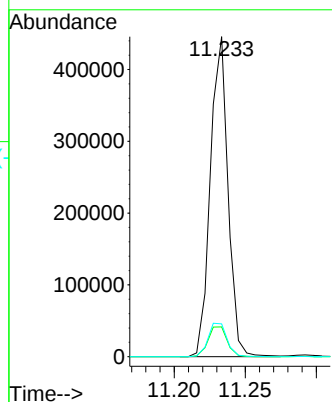
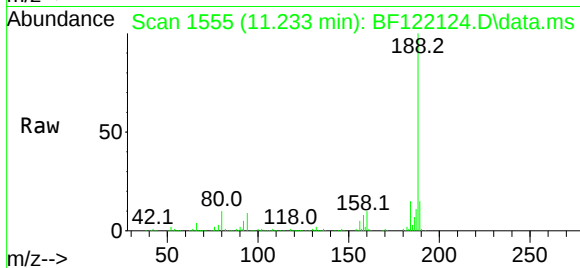




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

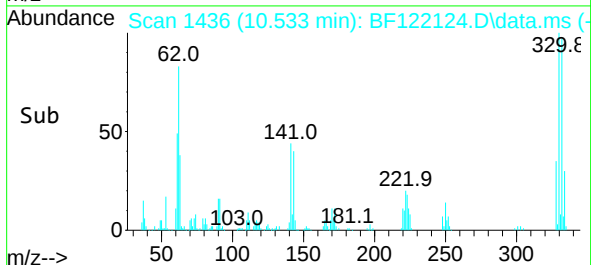
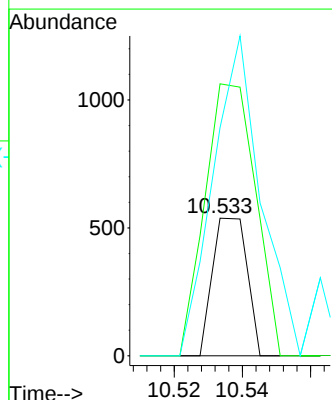
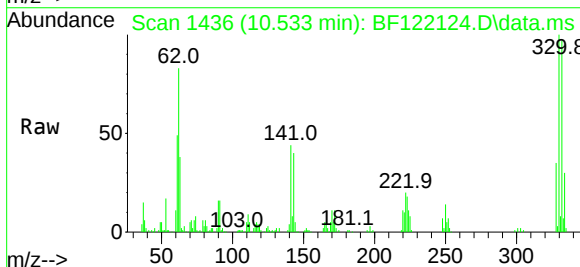
Instrument :
BNA_F
ClientSampled :
34B

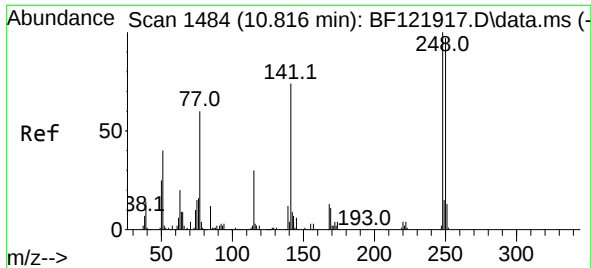
Tgt Ion:188 Resp: 385215
Ion Ratio Lower Upper
188 100
94 9.3 8.3 12.5
80 10.3 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.57 ng
RT: 10.533 min Scan# 1436
Delta R.T. 0.159 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

Tgt Ion:198 Resp: 379
Ion Ratio Lower Upper
198 100
51 197.6 29.6 69.6#
105 165.8 24.4 64.4#

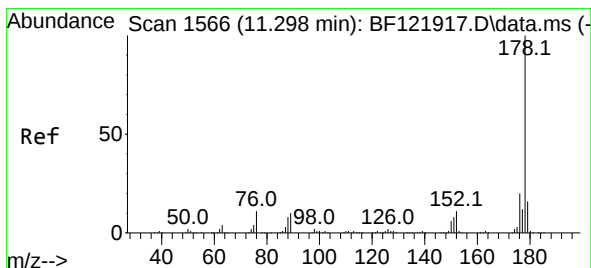
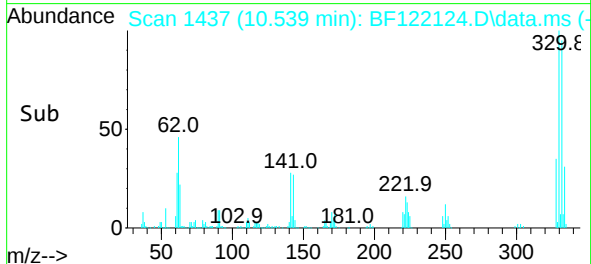
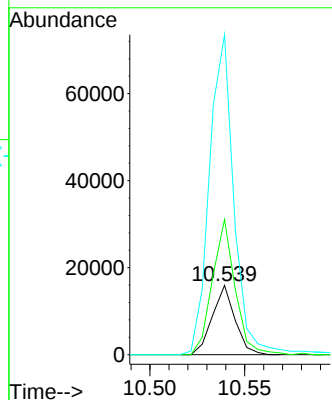
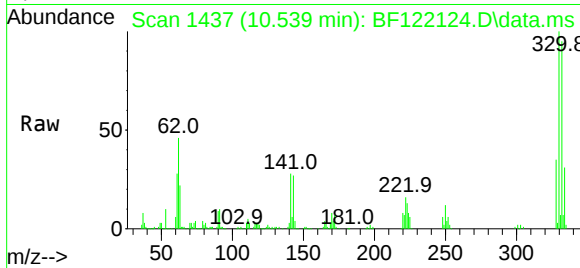




#67
4-Bromophenyl-phenylether
Concen: 2.98 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

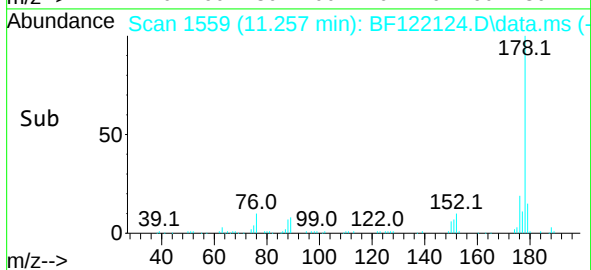
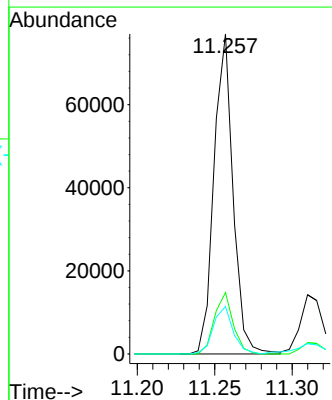
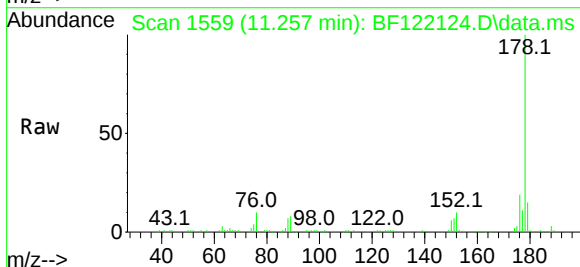
Instrument :
BNA_F
ClientSampleId :
34B

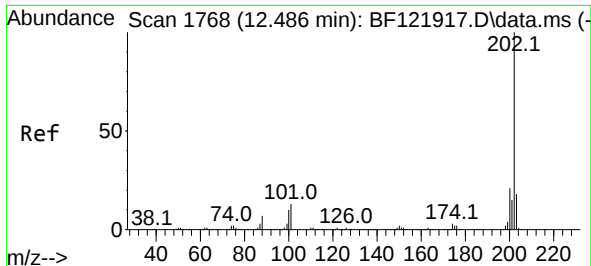
Tgt Ion:248 Resp: 13281
Ion Ratio Lower Upper
248 100
250 195.3 77.0 115.6#
141 462.2 53.7 80.5#



#71
Phenanthrene
Concen: 3.12 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

Tgt Ion:178 Resp: 65874
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 14.8 12.2 18.4

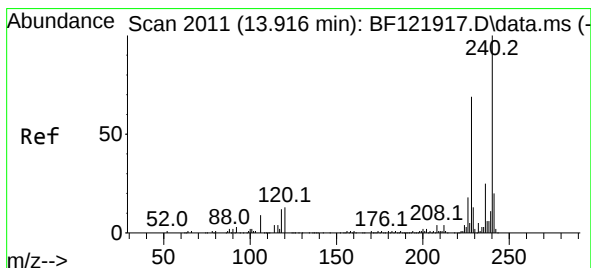
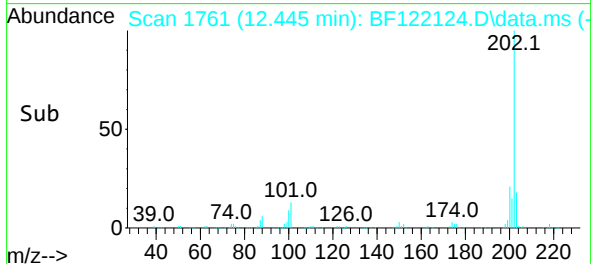
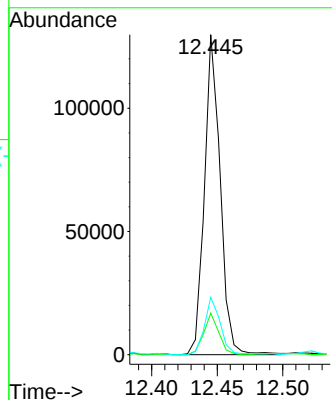
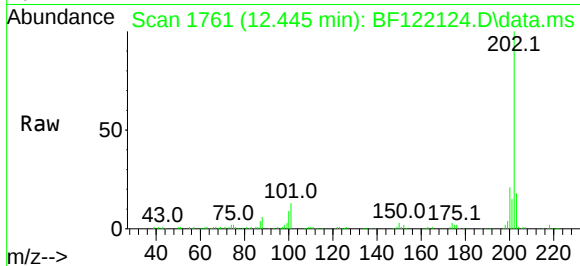




#75
Fluoranthene
Concen: 4.82 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

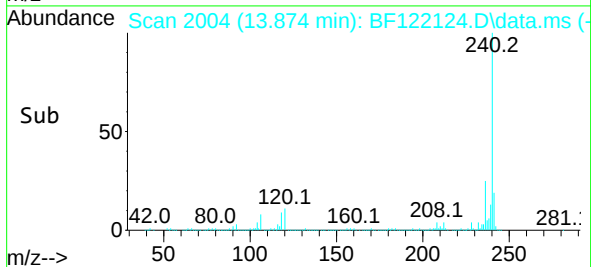
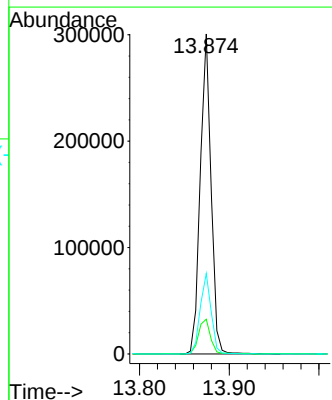
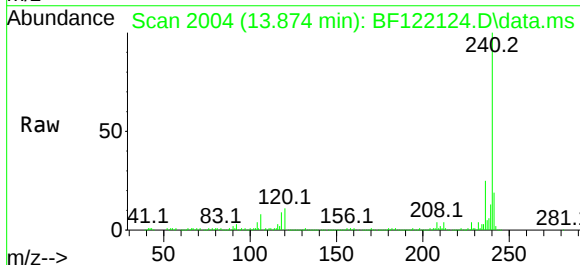
Instrument :
BNA_F
ClientSampleId :
34B

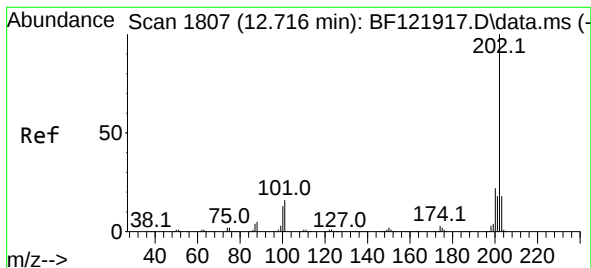
Tgt Ion:202 Resp: 109120
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.4
203 17.9 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

Tgt Ion:240 Resp: 250872
Ion Ratio Lower Upper
240 100
120 10.9 9.2 13.8
236 25.2 20.9 31.3





#78

Pyrene

Concen: 5.60 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF122124.D

Acq: 26 Oct 2020 19:41

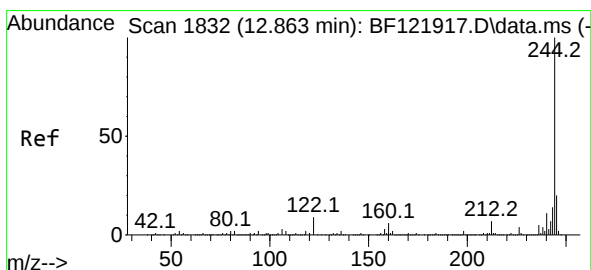
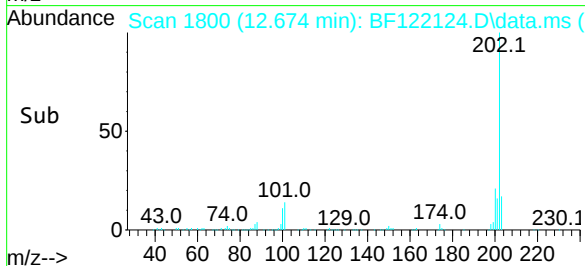
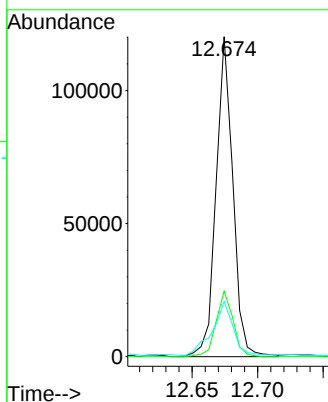
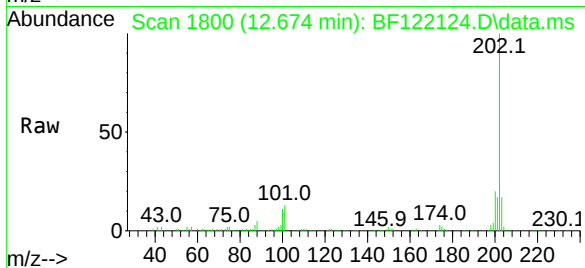
Tgt Ion:202 Resp: 107067

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

203 17.3 14.6 21.8



#79

Terphenyl-d14

Concen: 65.07 ng

RT: 12.816 min Scan# 1824

Delta R.T. 0.000 min

Lab File: BF122124.D

Acq: 26 Oct 2020 19:41

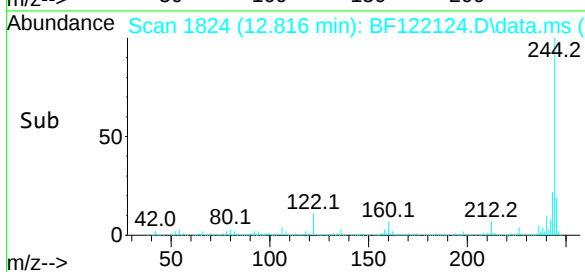
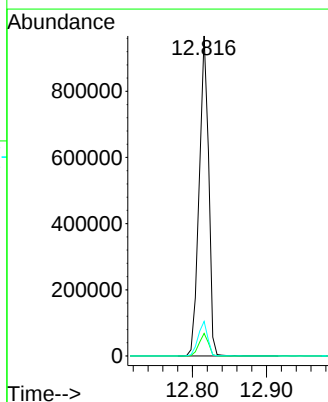
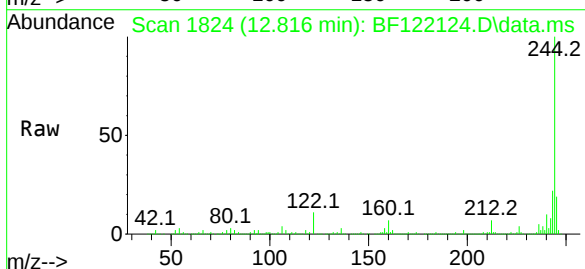
Tgt Ion:244 Resp: 856519

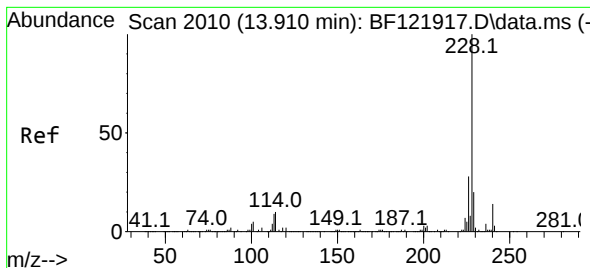
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 10.8 8.1 12.1

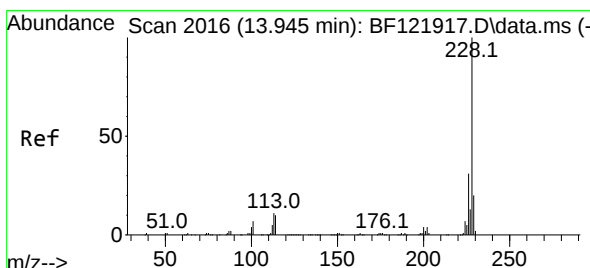
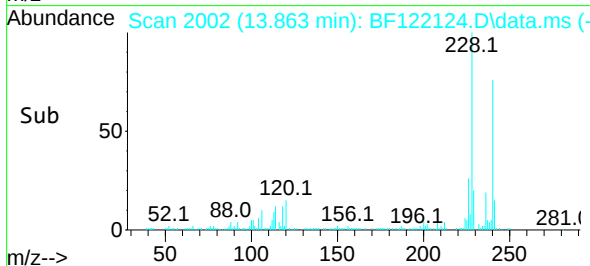
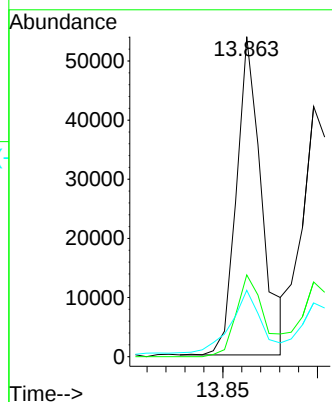
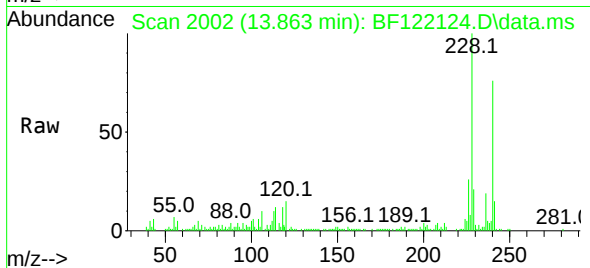




#81
Benzo(a)anthracene
Concen: 3.01 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

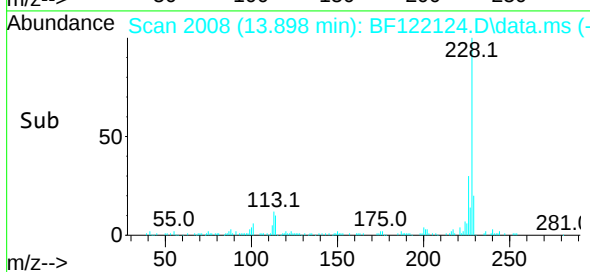
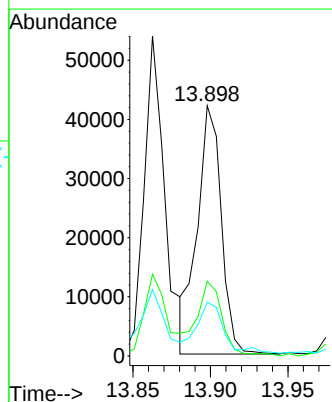
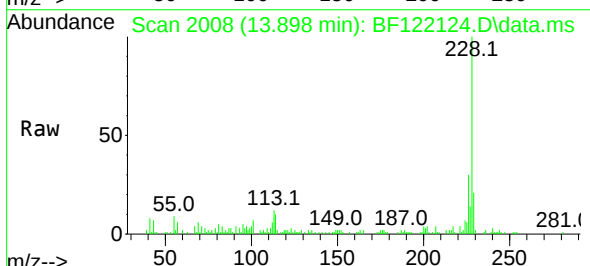
Instrument :
BNA_F
ClientSampleId :
34B

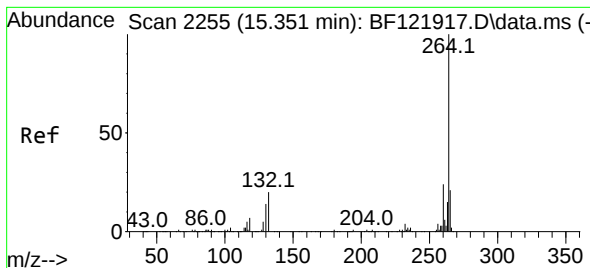
Tgt Ion:228 Resp: 49517
Ion Ratio Lower Upper
228 100
226 25.5 22.3 33.5
229 20.7 16.2 24.4



#83
Chrysene
Concen: 2.81 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

Tgt Ion:228 Resp: 45310
Ion Ratio Lower Upper
228 100
226 29.8 24.6 37.0
229 21.5 15.9 23.9



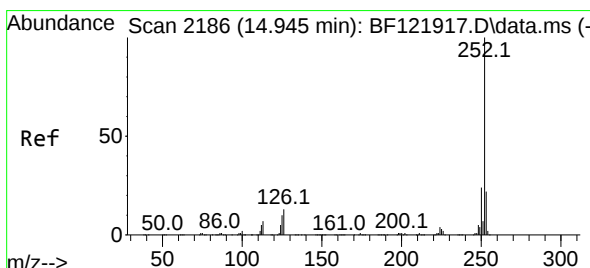
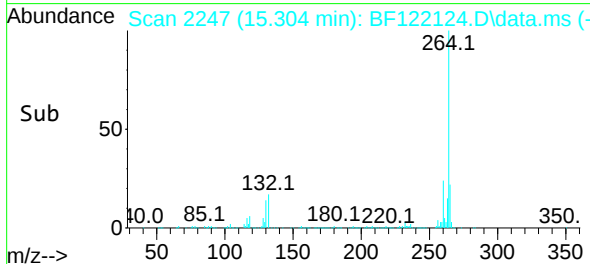
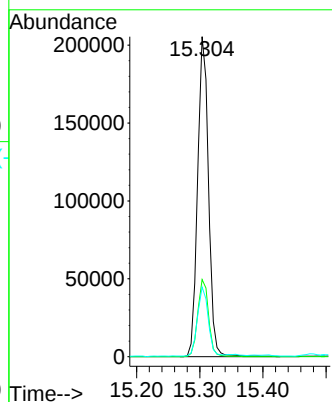
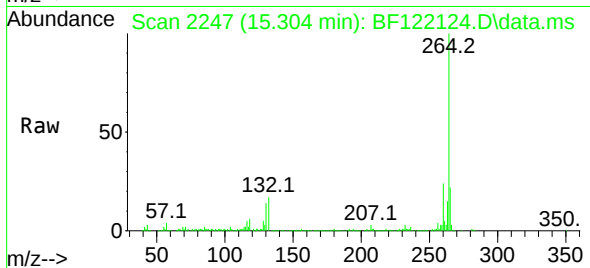


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.304 min Scan# 2247
Delta R.T. -0.000 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

Instrument :
BNA_F
ClientSampleId :
34B

Tgt Ion:264 Resp: 245804

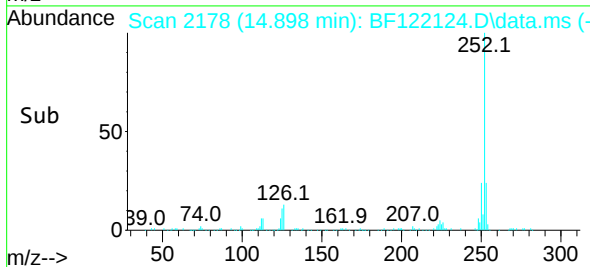
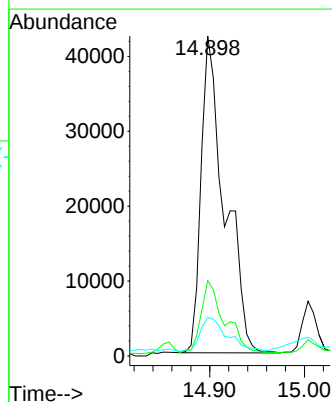
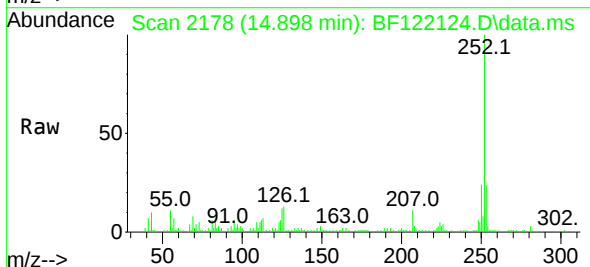
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	21.8	17.3	25.9

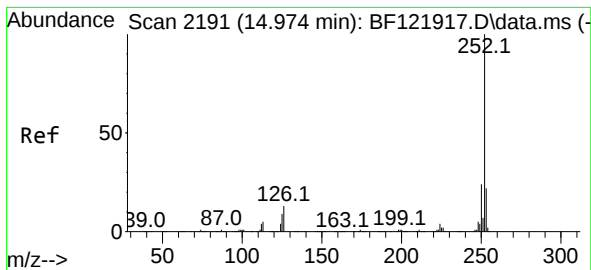


#88
Benzo(b)fluoranthene
Concen: 4.41 ng
RT: 14.898 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BF122124.D
Acq: 26 Oct 2020 19:41

Tgt Ion:252 Resp: 73344

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	12.1	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 4.65 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.029 min

Lab File: BF122124.D

Acq: 26 Oct 2020 19:41

Tgt Ion:252 Resp: 73344

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

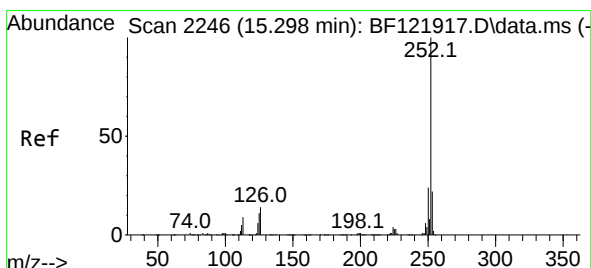
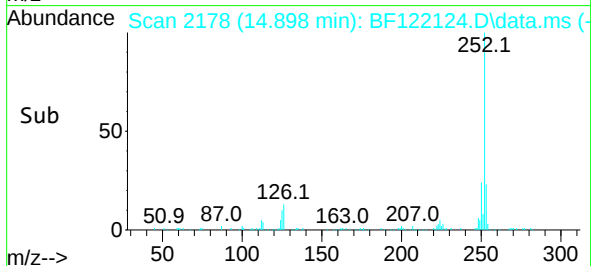
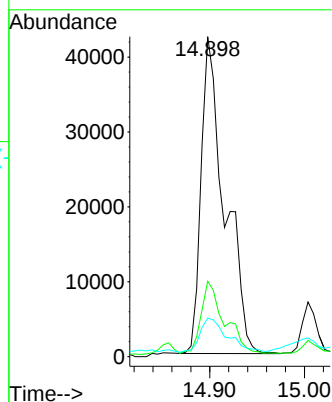
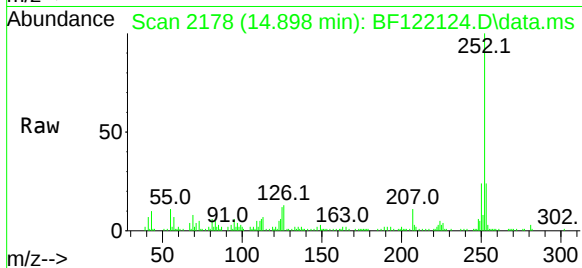
125 12.1 7.7 11.5#

Instrument :

BNA_F

ClientSampled :

34B



#90

Benzo(a)pyrene

Concen: 2.85 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.000 min

Lab File: BF122124.D

Acq: 26 Oct 2020 19:41

Tgt Ion:252 Resp: 40939

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 10.9 8.6 13.0

