

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052121\
 Data File : BN014698.D
 Acq On : 21 May 2021 18:00
 Operator : CG/JU
 Sample : M2383-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP-02-05122021

Quant Time: May 21 18:32:08 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 21 11:30:28 2021
 Response via : Initial Calibration

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

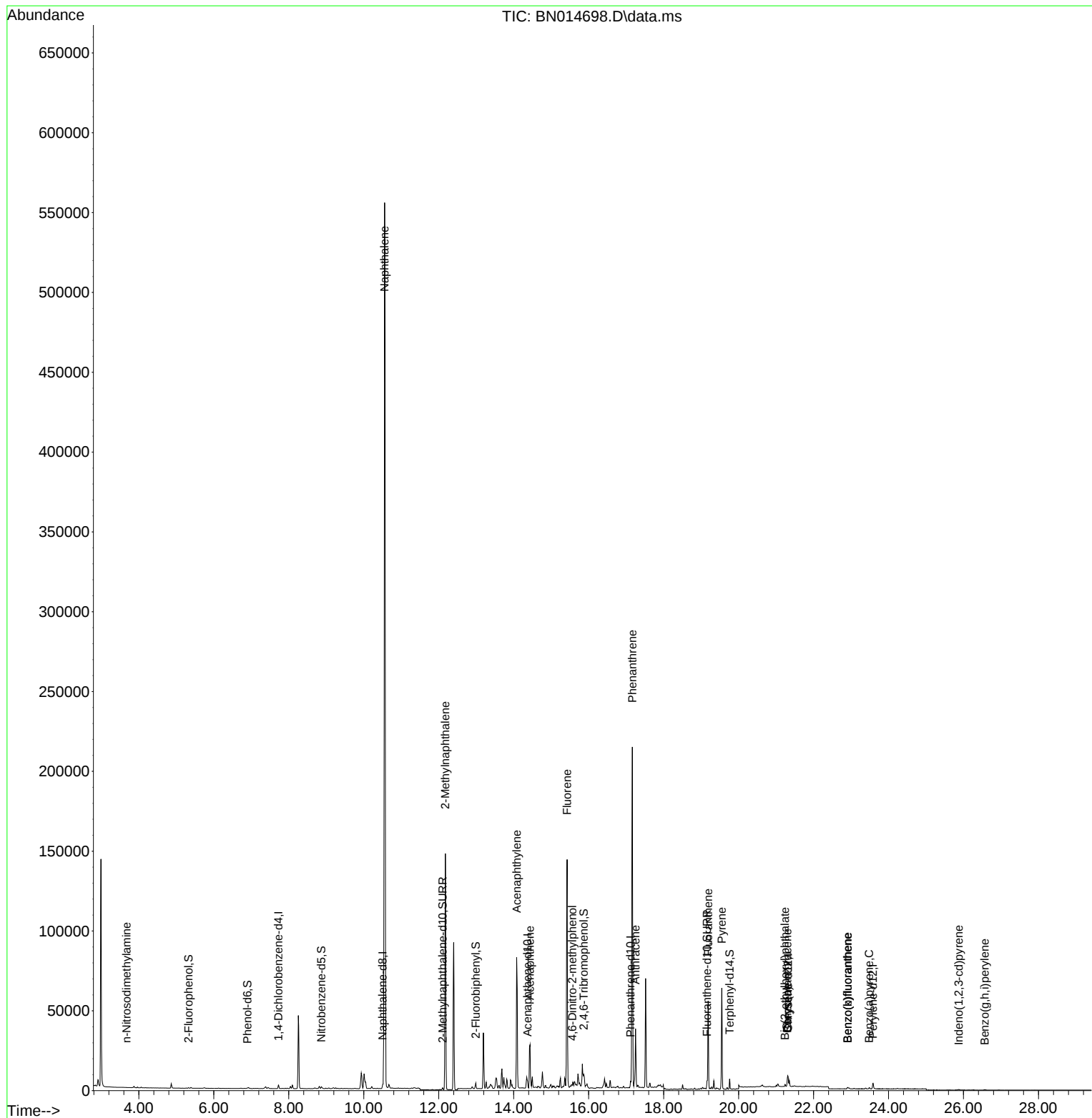
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	956	0.40	ng	# 0.00
7) Naphthalene-d8	10.505	136	3561	0.40	ng	# 0.00
13) Acenaphthene-d10	14.371	164	2601	0.40	ng	0.00
19) Phenanthrene-d10	17.116	188	5257	0.40	ng	# 0.00
29) Chrysene-d12	21.321	240	5327	0.40	ng	0.00
35) Perylene-d12	23.586	264	4799	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.324	112	315	0.12	ng	0.00
5) Phenol-d6	6.895	99	244	0.07	ng	0.00
8) Nitrobenzene-d5	8.870	82	1077	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.102	152	1820	0.21	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	527	0.44	ng	0.00
15) 2-Fluorobiphenyl	12.989	172	2970	0.31	ng	0.00
27) Fluoranthene-d10	19.156	212	6242	0.27	ng	0.00
31) Terphenyl-d14	19.761	244	6365	0.51	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.674	42	13	0.03	ng	# 1
9) Naphthalene	10.556	128	749989	79.72	ng	98
12) 2-Methylnaphthalene	12.177	142	95870	14.01	ng	# 90
16) Acenaphthylene	14.080	152	88294	9.22	ng	97
17) Acenaphthene	14.435	154	15527	2.19	ng	98
18) Fluorene	15.425	166	98020	10.29	ng	98
20) 4,6-Dinitro-2-methylph...	15.564	198	33	0.18	ng	# 1
25) Phenanthrene	17.164	178	225245	15.62	ng	99
26) Anthracene	17.249	178	38762	3.20	ng	# 89
28) Fluoranthene	19.185	202	50388	2.64	ng	97
30) Pyrene	19.553	202	56856	3.89	ng	96
32) Benzo(a)anthracene	21.300	228	3931	0.25	ng	93
33) Chrysene	21.300	228	2489	0.15	ng	96
34) Bis(2-ethylhexyl)phtha...	21.236	149	1213	0.28	ng	# 62
36) Indeno(1,2,3-cd)pyrene	25.869	276	557	0.03	ng	# 81
37) Benzo(b)fluoranthene	22.908	252	1578	0.10	ng	# 60
38) Benzo(k)fluoranthene	22.908	252	1578	0.09	ng	# 59
39) Benzo(a)pyrene	23.483	252	1108	0.08	ng	# 67
41) Benzo(g,h,i)perylene	26.567	276	533	0.03	ng	# 67

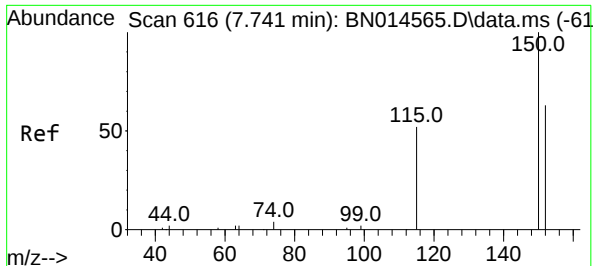
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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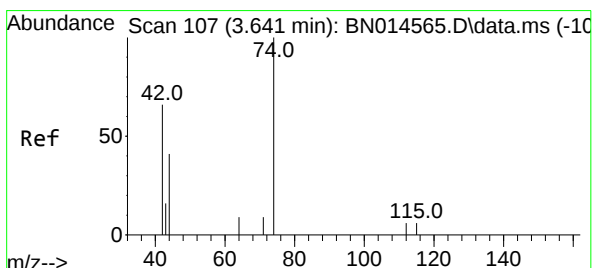
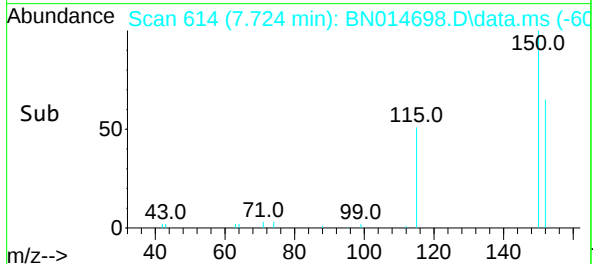
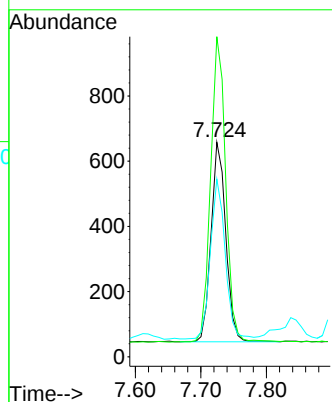
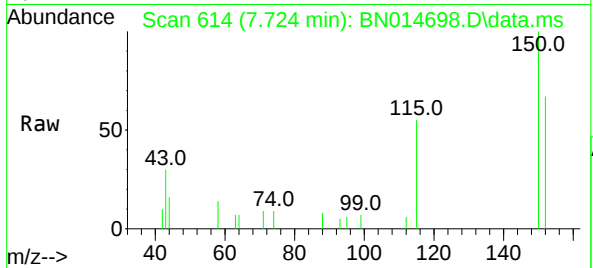




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.724 min Scan# 614
Delta R.T. -0.001 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

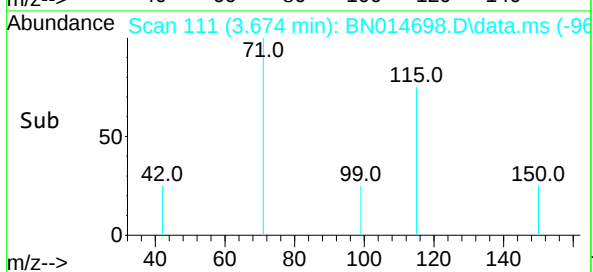
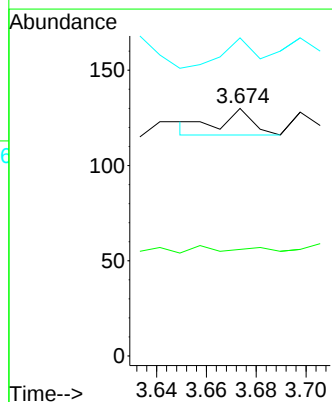
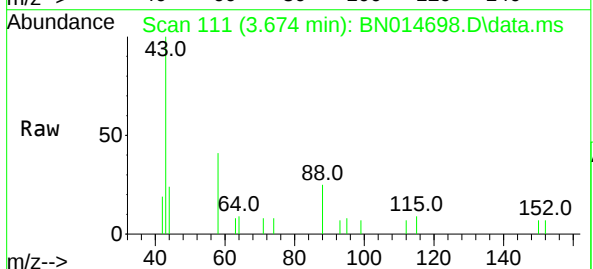
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BNA_N
ClientSampleId :
DUP-02-05122021

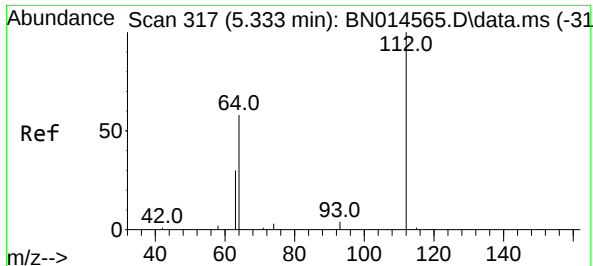
Tgt Ion:152 Resp: 956
Ion Ratio Lower Upper
152 100
150 149.2 123.8 185.8
115 82.8 47.0 70.4#



#3
n-Nitrosodimethylamine
Concen: 0.03 ng
RT: 3.674 min Scan# 111
Delta R.T. 0.024 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion: 42 Resp: 13
Ion Ratio Lower Upper
42 100
74 0.0 175.1 262.7#
44 107.7 7.5 11.3#

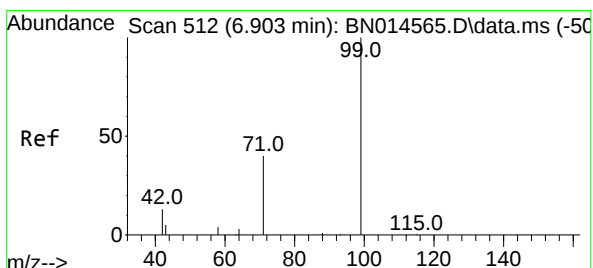
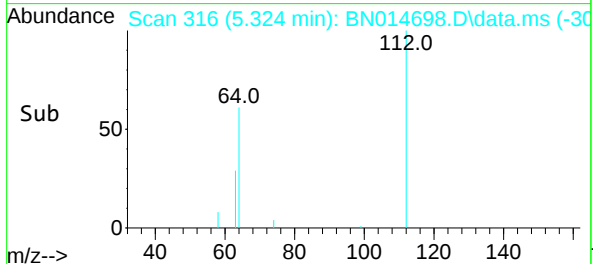
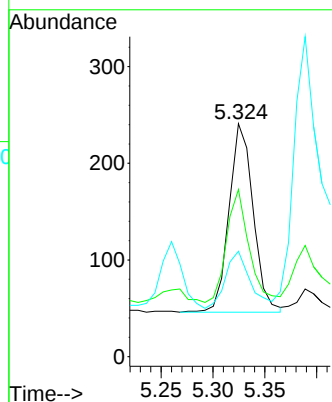
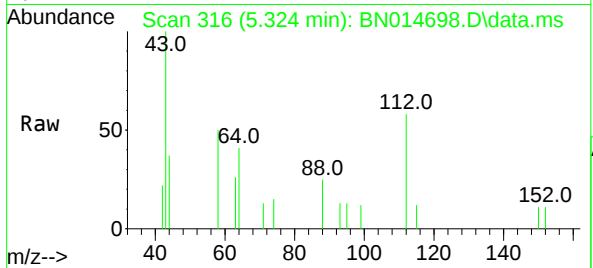




#4
2-Fluorophenol
Concen: 0.12 ng
RT: 5.324 min Scan# 316
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

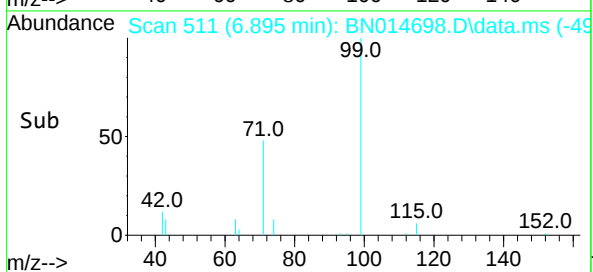
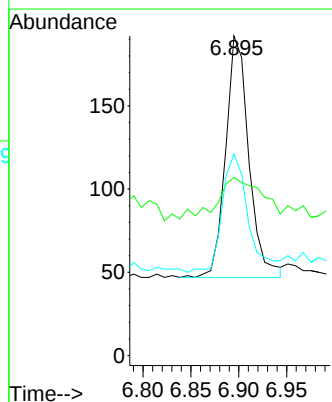
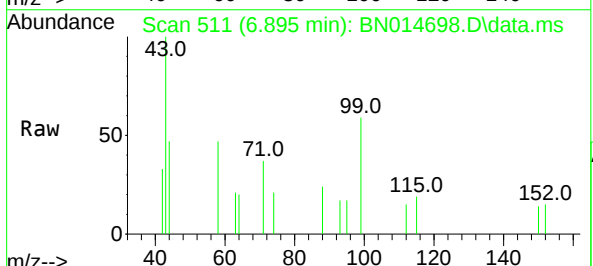
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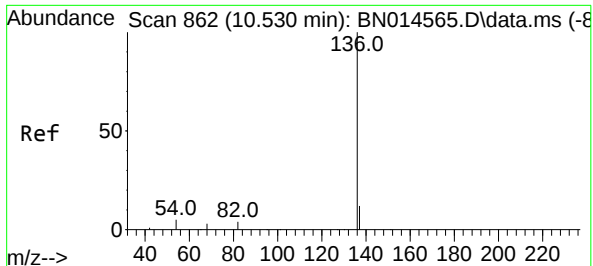
Tgt Ion:	112	Resp:	315
Ion	Ratio	Lower	Upper
112	100		
64	55.9	41.8	62.6
63	30.8	22.0	33.0



#5
Phenol-d6
Concen: 0.07 ng
RT: 6.895 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion:	99	Resp:	244
Ion	Ratio	Lower	Upper
99	100		
42	32.4	13.2	19.8#
71	53.7	26.2	39.2#

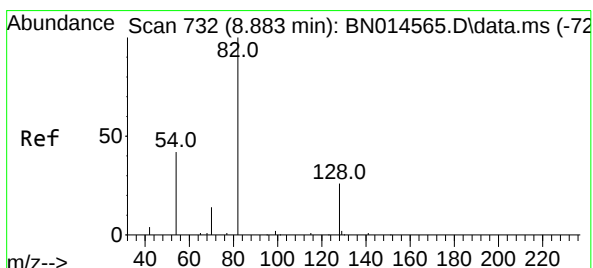
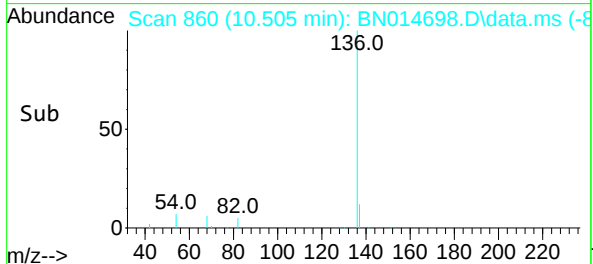
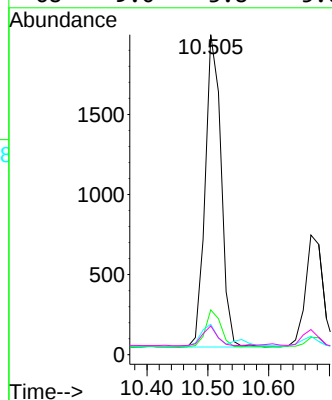
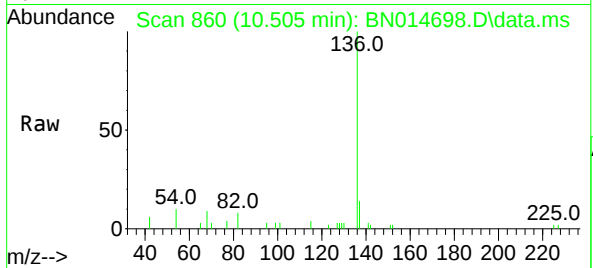




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.505 min Scan# 860
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

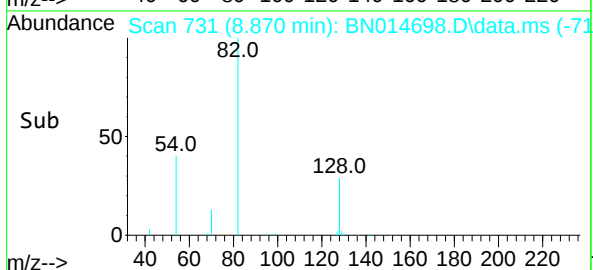
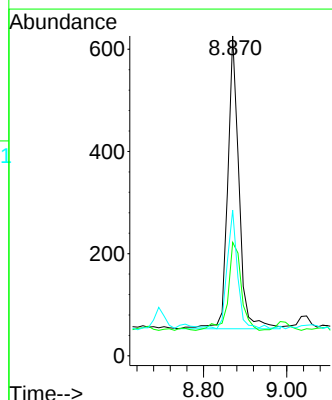
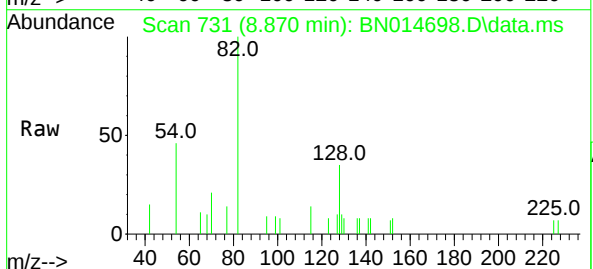
Instrument :
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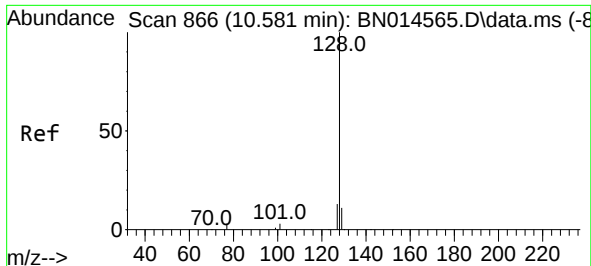
Tgt Ion:	136	Resp:	3561
Ion Ratio	Lower	Upper	
136	100		
137	14.0	8.9	13.3#
54	9.5	3.8	5.8#
68	9.0	3.8	5.6#



#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 8.870 min Scan# 731
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion:	82	Resp:	1077
Ion Ratio	Lower	Upper	
82	100		
128	35.5	29.5	44.3
54	45.5	36.9	55.3

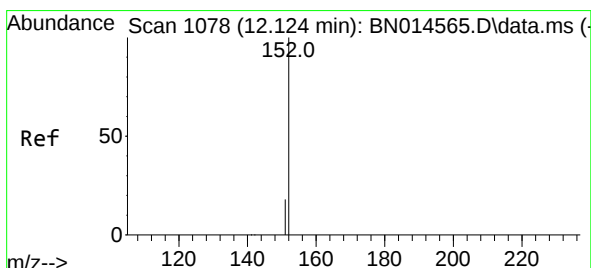
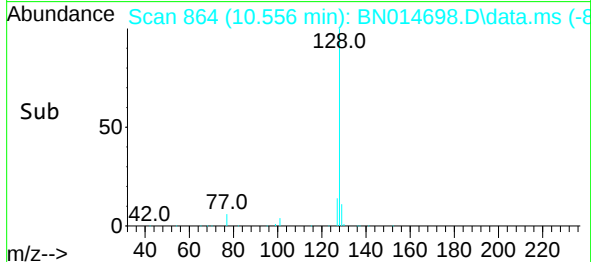
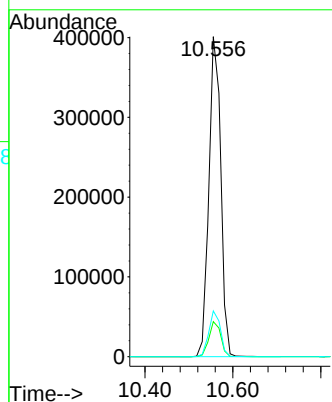
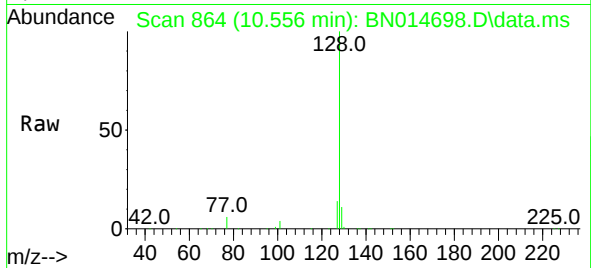




#9
Naphthalene
Concen: 79.72 ng
RT: 10.556 min Scan# 864
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

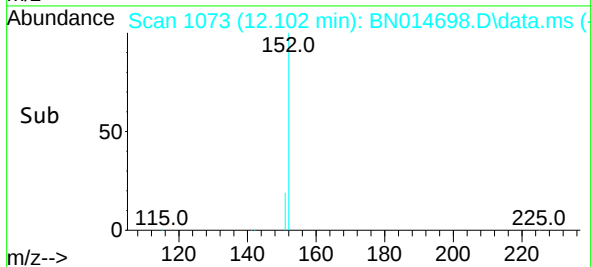
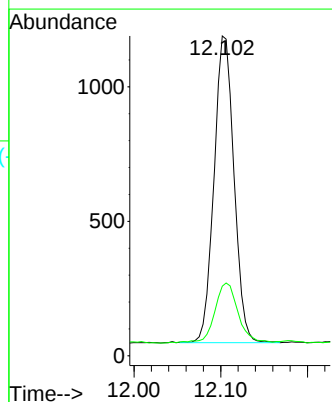
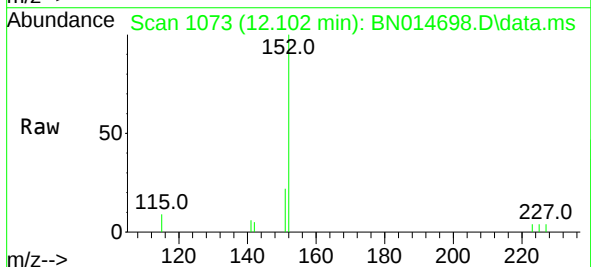
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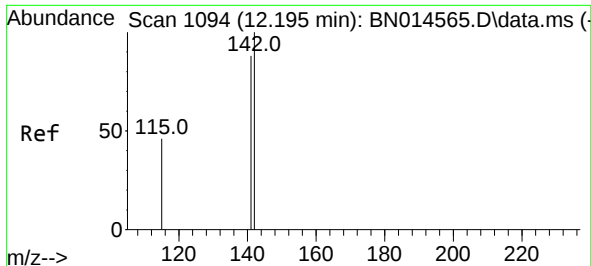
Tgt Ion:128 Resp: 749989
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 14.3 10.4 15.6



#11
2-Methylnaphthalene-d10
Concen: 0.21 ng
RT: 12.102 min Scan# 1073
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion:152 Resp: 1820
Ion Ratio Lower Upper
152 100
151 23.1 16.2 24.2

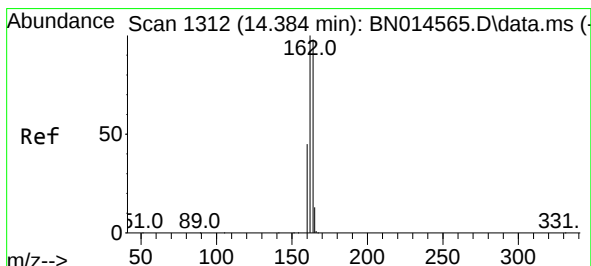
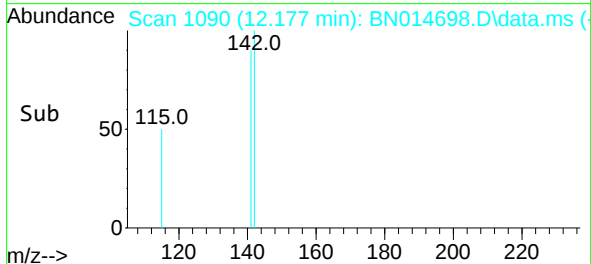
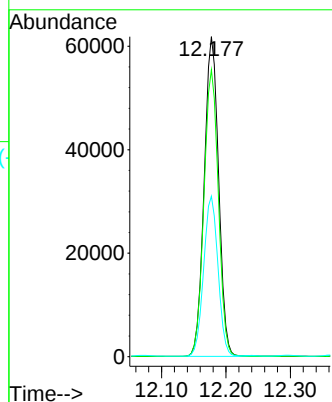
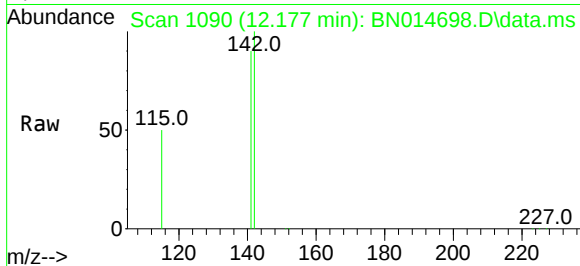




#12
2-Methylnaphthalene
Concen: 14.01 ng
RT: 12.177 min Scan# 1090
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

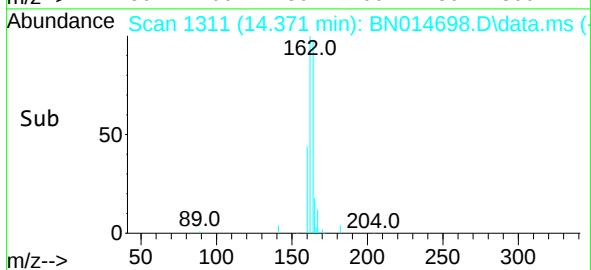
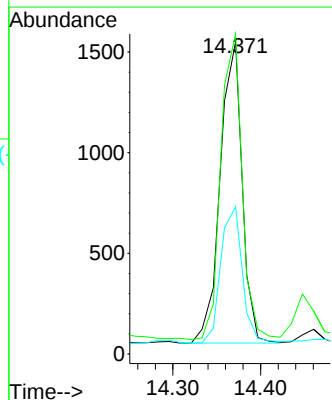
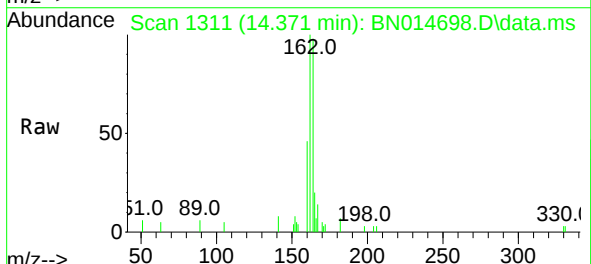
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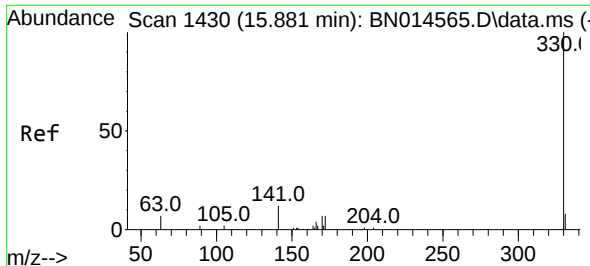
Tgt Ion:142 Resp: 95870
Ion Ratio Lower Upper
142 100
141 89.7 70.2 105.4
115 50.1 26.7 40.1#



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.371 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion:164 Resp: 2601
Ion Ratio Lower Upper
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162 102.5 78.6 118.0
160 47.1 35.8 53.8

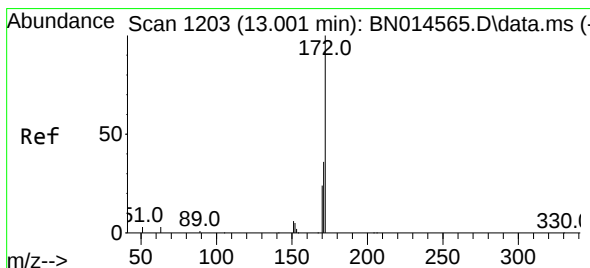
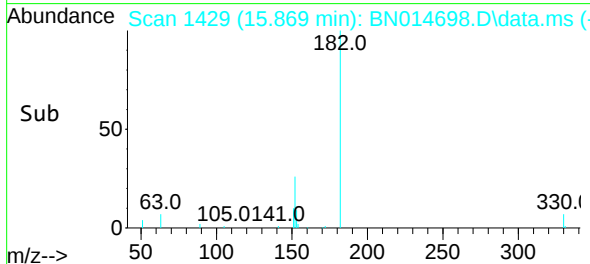
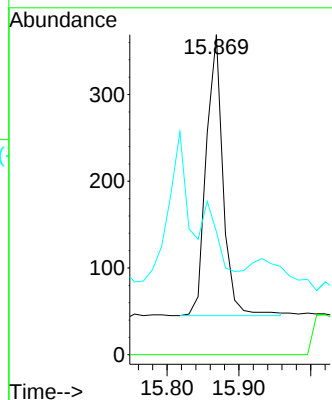
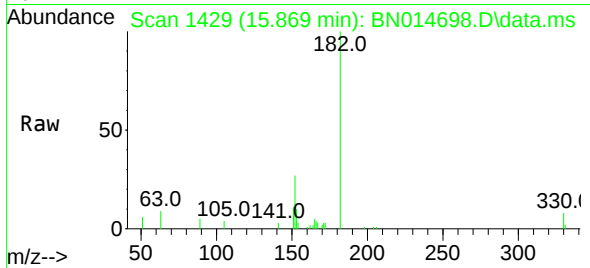




#14
2,4,6-Tribromophenol
Concen: 0.44 ng
RT: 15.869 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

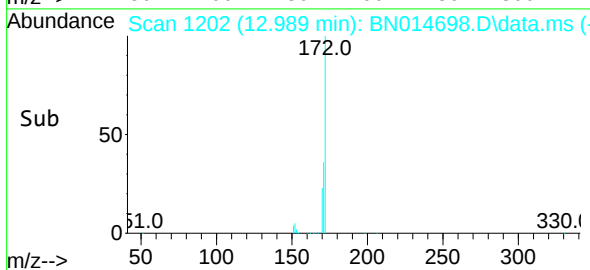
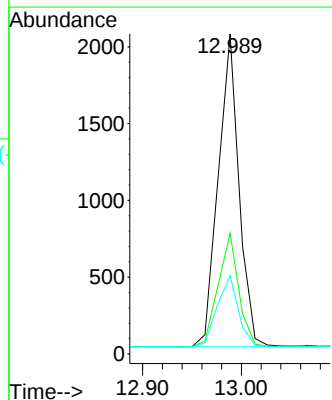
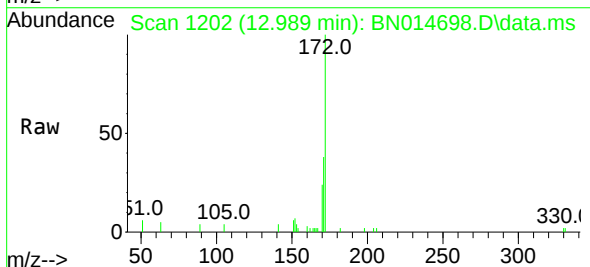
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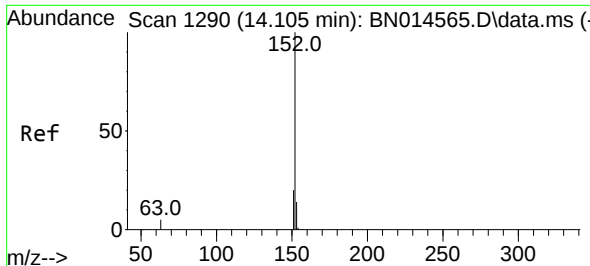
Tgt Ion:330 Resp: 527
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 27.0 40.4#



#15
2-Fluorobiphenyl
Concen: 0.31 ng
RT: 12.989 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion:172 Resp: 2970
Ion Ratio Lower Upper
172 100
171 37.7 27.1 40.7
170 24.4 18.3 27.5

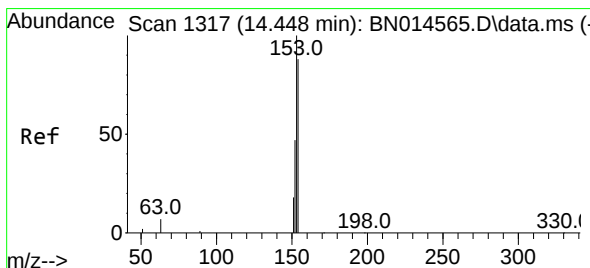
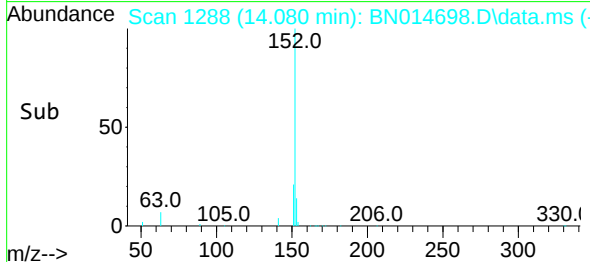
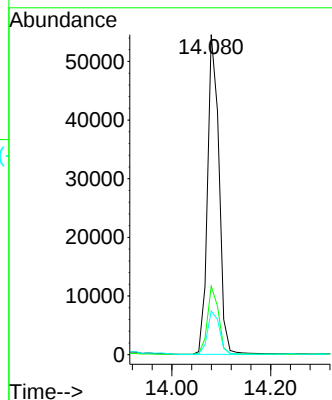
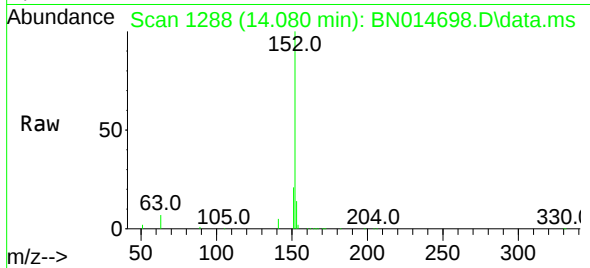




#16
Acenaphthylene
Concen: 9.22 ng
RT: 14.080 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

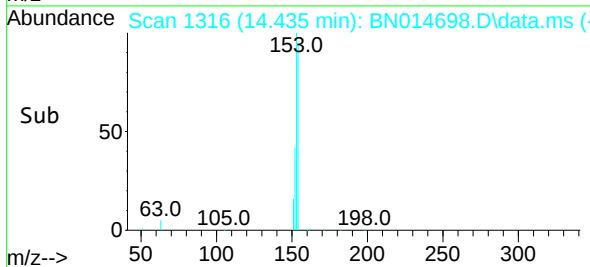
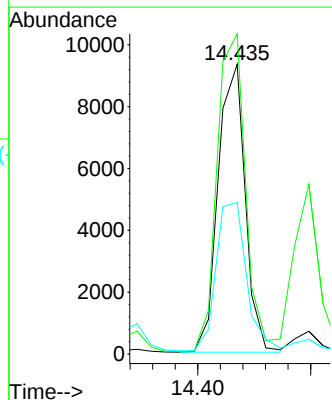
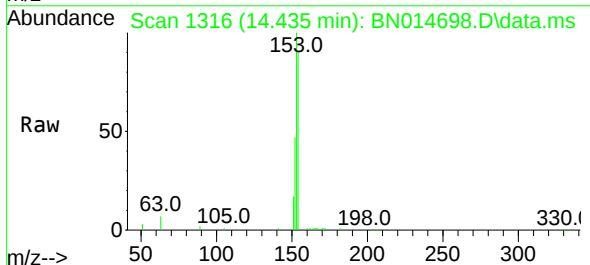
Instrument :
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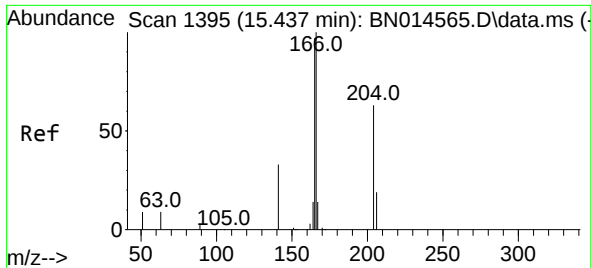
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Ion Ratio Lower Upper
152 100
151 20.8 15.6 23.4
153 14.2 10.5 15.7



#17
Acenaphthene
Concen: 2.19 ng
RT: 14.435 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion:154 Resp: 15527
Ion Ratio Lower Upper
154 100
153 115.3 90.2 135.4
152 57.7 46.2 69.2

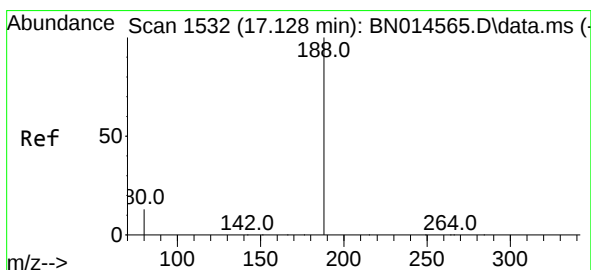
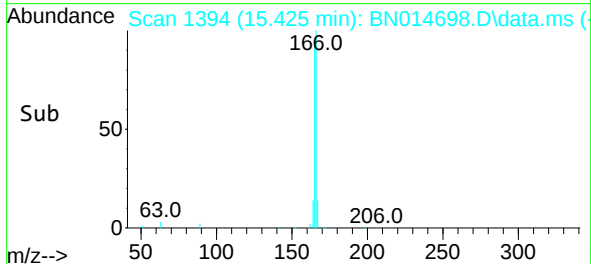
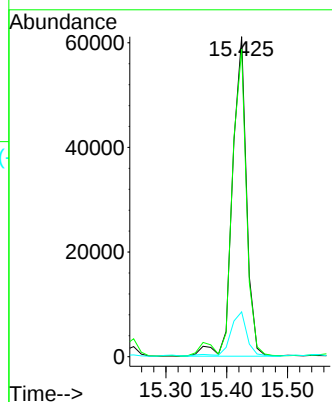
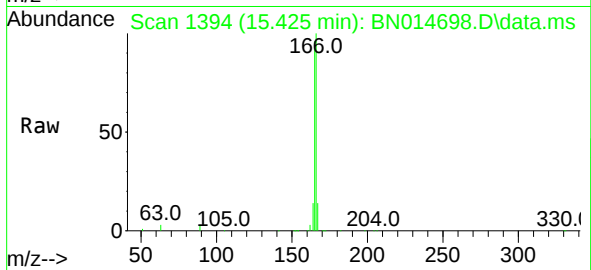




#18
Fluorene
Concen: 10.29 ng
RT: 15.425 min Scan# 1394
Delta R.T. -0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

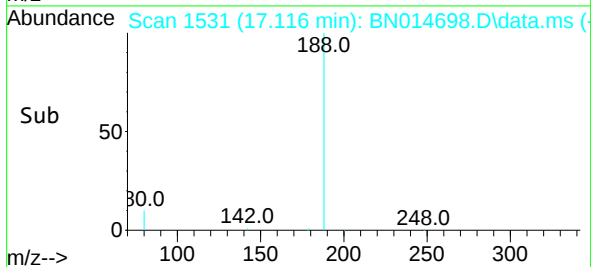
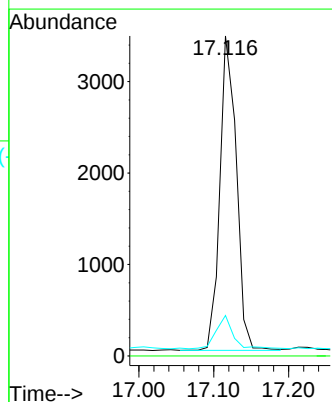
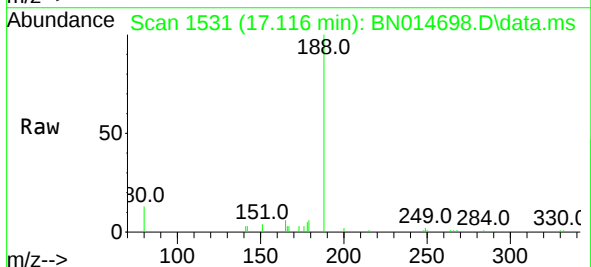
Instrument :
BNA_N
ClientSampleId :
DUP-02-05122021

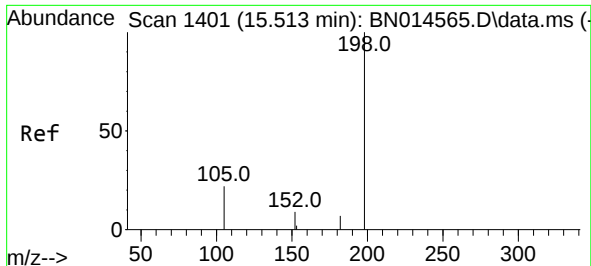
Tgt Ion:166 Resp: 98020
Ion Ratio Lower Upper
166 100
165 98.9 78.4 117.6
167 16.0 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.116 min Scan# 1531
Delta R.T. -0.001 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion:188 Resp: 5257
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.7 5.2 7.8#

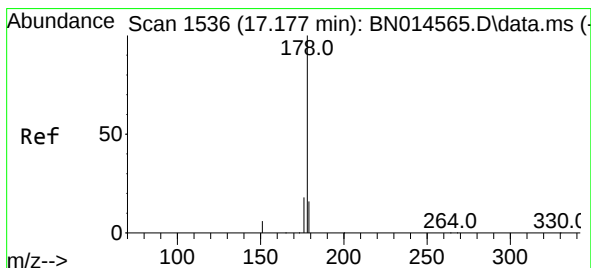
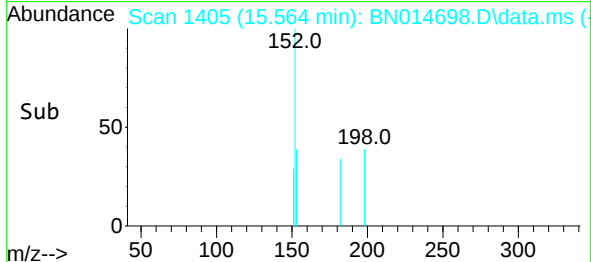
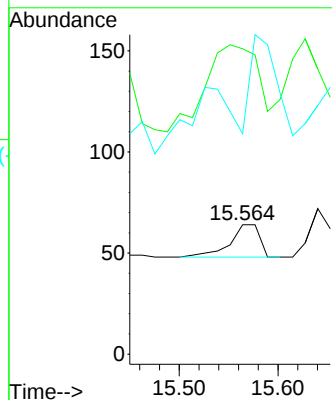
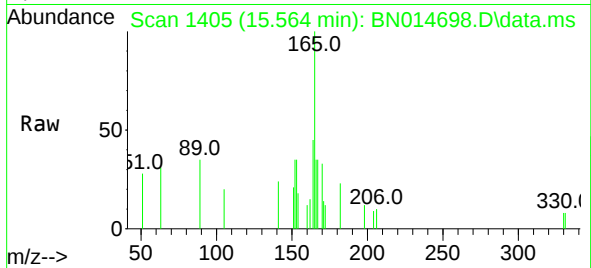




#20
4,6-Dinitro-2-methylphenol
Concen: 0.18 ng
RT: 15.564 min Scan# 1405
Delta R.T. 0.063 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

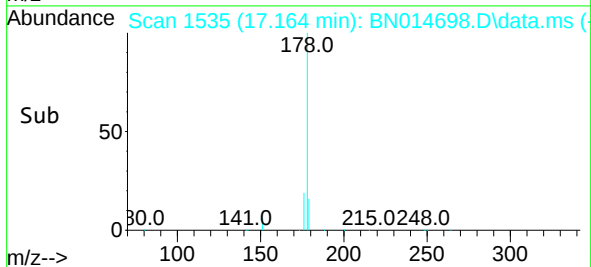
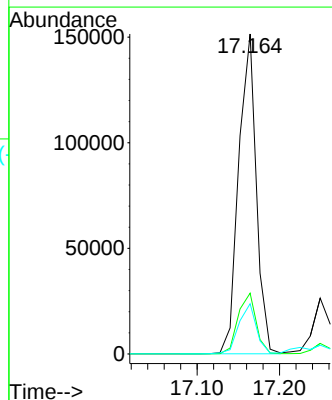
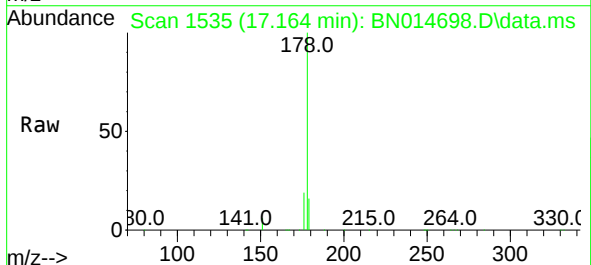
Instrument :
BNA_N
ClientSampleId :
DUP-02-05122021

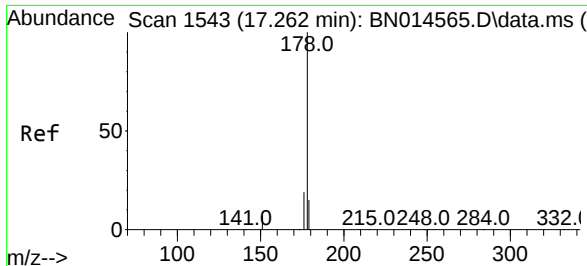
Tgt Ion:198 Resp: 33
Ion Ratio Lower Upper
198 100
51 235.9 865.3 1297.9#
105 170.3 93.6 140.4#



#25
Phenanthrene
Concen: 15.62 ng
RT: 17.164 min Scan# 1535
Delta R.T. -0.001 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion:178 Resp: 225245
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 15.8 12.4 18.6

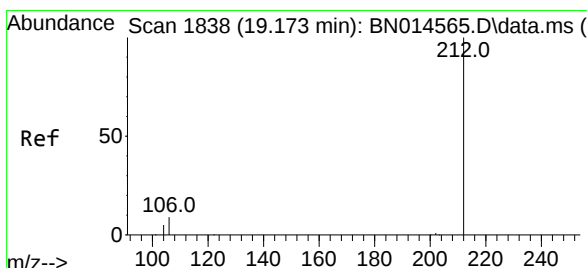
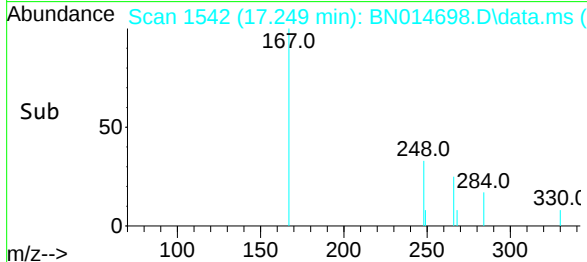
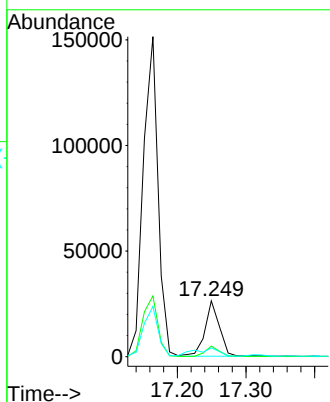
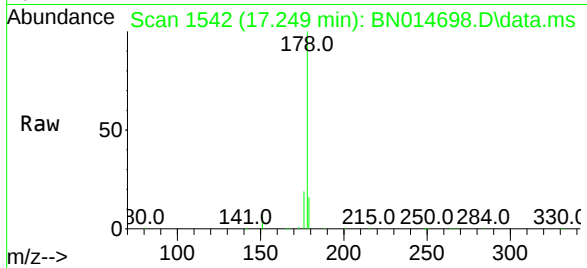




#26
 Anthracene
 Concen: 3.20 ng
 RT: 17.249 min Scan# 1542
 Delta R.T. -0.001 min
 Lab File: BN014698.D
 Acq: 21 May 2021 18:00

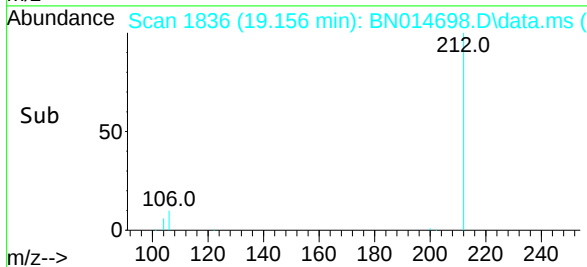
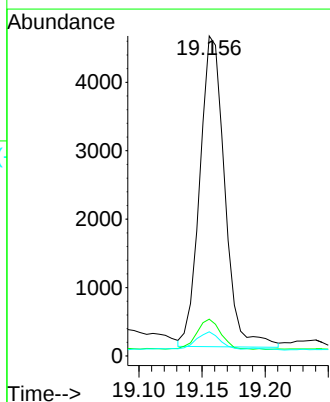
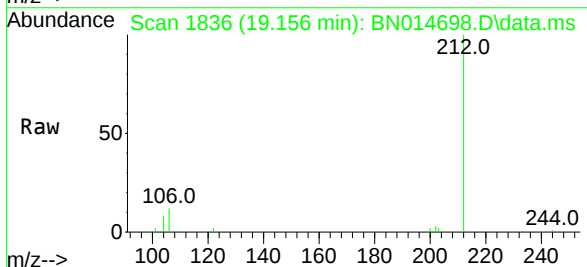
Instrument :
 BNA_N
 ClientSampleId :
 DUP-02-05122021

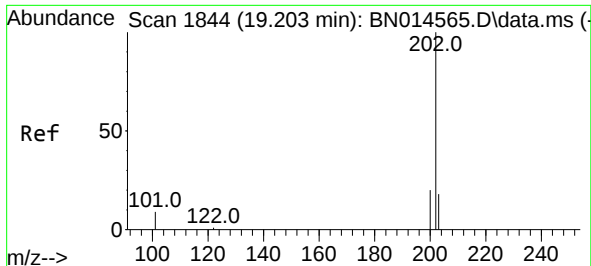
Tgt Ion:178 Resp: 38762
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.8 22.2
 179 24.7 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.27 ng
 RT: 19.156 min Scan# 1836
 Delta R.T. -0.003 min
 Lab File: BN014698.D
 Acq: 21 May 2021 18:00

Tgt Ion:212 Resp: 6242
 Ion Ratio Lower Upper
 212 100
 106 9.3 10.1 15.1#
 104 6.4 5.4 8.2

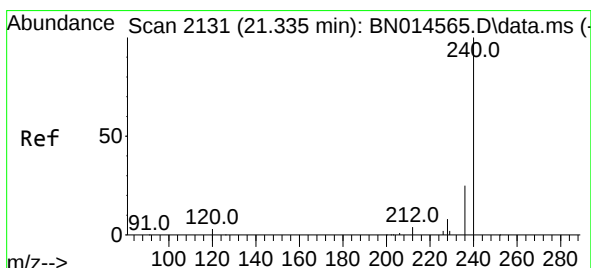
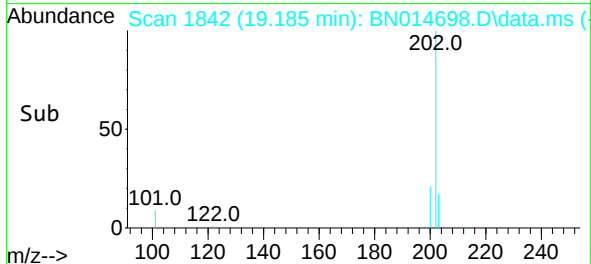
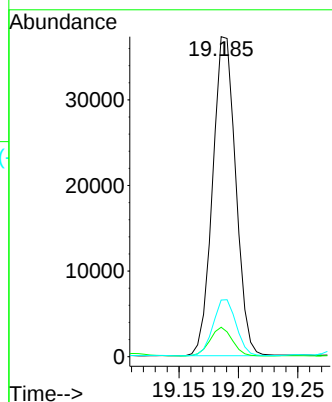
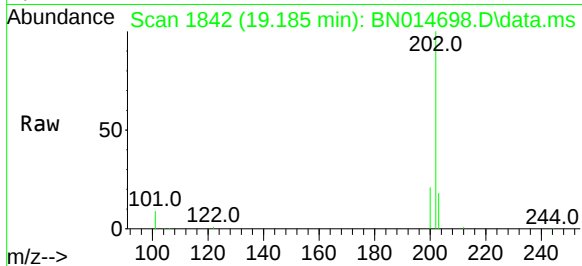




#28
Fluoranthene
Concen: 2.64 ng
RT: 19.185 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

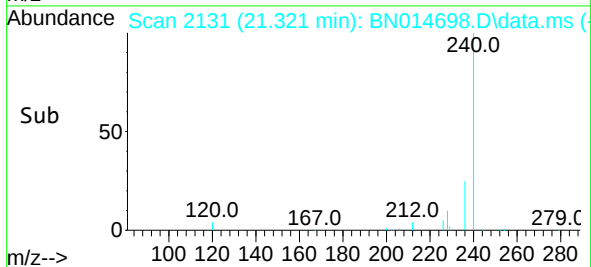
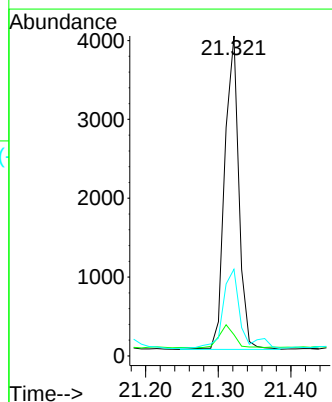
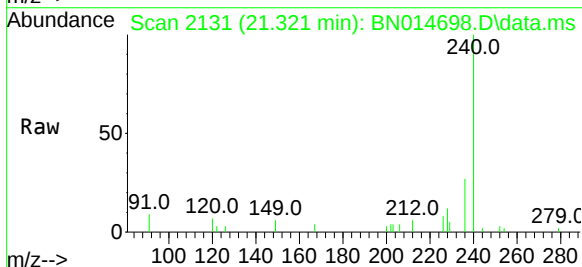
Instrument :
BNA_N
ClientSampleId :
DUP-02-05122021

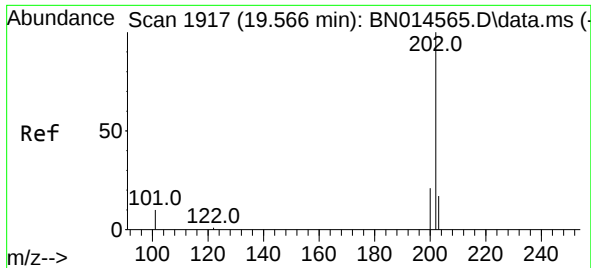
Tgt Ion:202 Resp: 50388
Ion Ratio Lower Upper
202 100
101 8.6 8.4 12.6
203 17.6 13.5 20.3



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.321 min Scan# 2131
Delta R.T. 0.008 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion:240 Resp: 5327
Ion Ratio Lower Upper
240 100
120 6.7 5.8 8.8
236 27.1 20.6 30.8

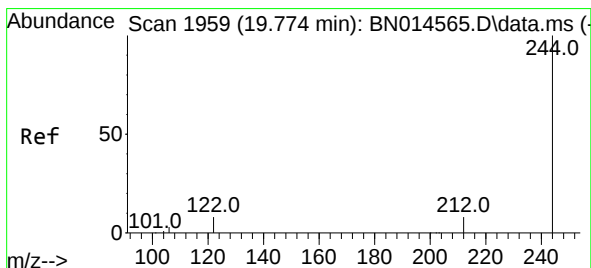
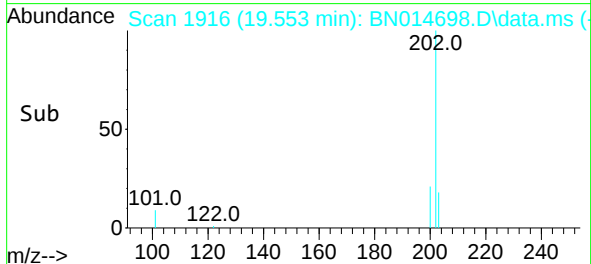
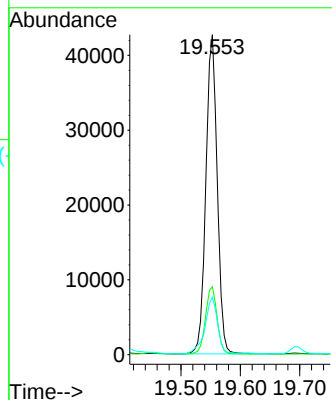
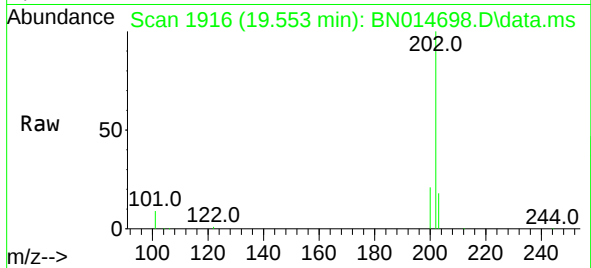




#30
 Pyrene
 Concen: 3.89 ng
 RT: 19.553 min Scan# 1916
 Delta R.T. 0.002 min
 Lab File: BN014698.D
 Acq: 21 May 2021 18:00

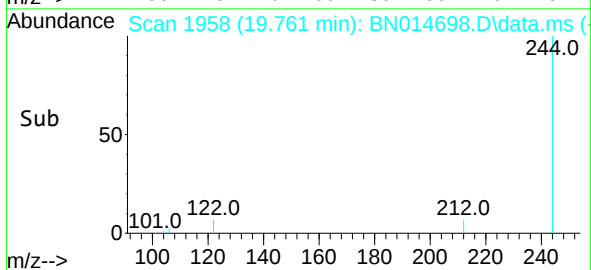
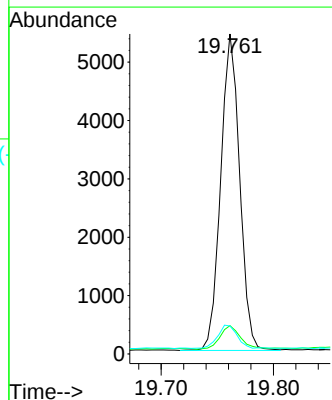
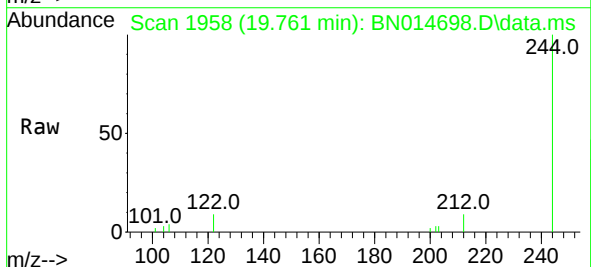
Instrument :
 BNA_N
 ClientSampleId :
 DUP-02-05122021

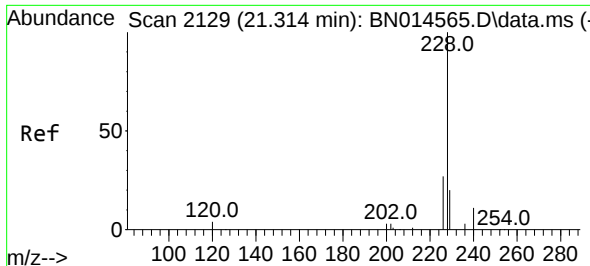
Tgt Ion:202 Resp: 56856
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.3 24.5
 203 19.8 14.0 21.0



#31
 Terphenyl-d14
 Concen: 0.51 ng
 RT: 19.761 min Scan# 1958
 Delta R.T. 0.002 min
 Lab File: BN014698.D
 Acq: 21 May 2021 18:00

Tgt Ion:244 Resp: 6365
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.0 9.0
 122 8.8 9.3 13.9#

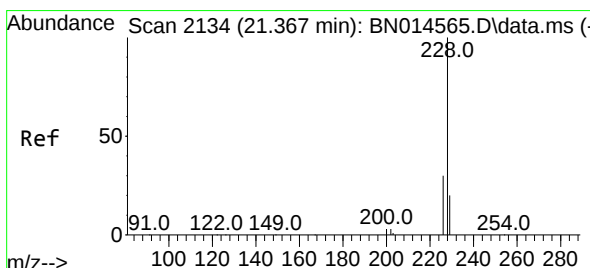
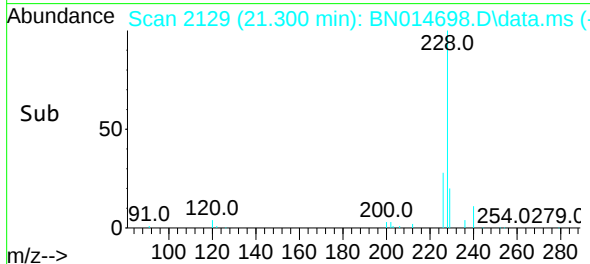
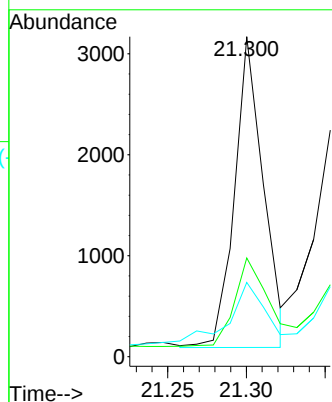
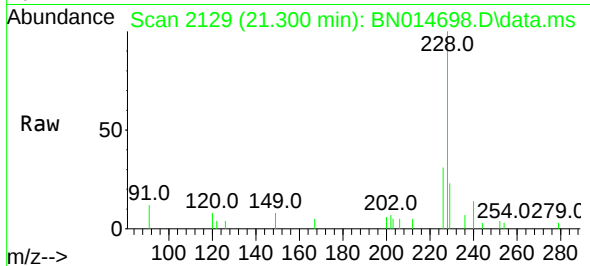




#32
Benzo(a)anthracene
Concen: 0.25 ng
RT: 21.300 min Scan# 2129
Delta R.T. -0.003 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

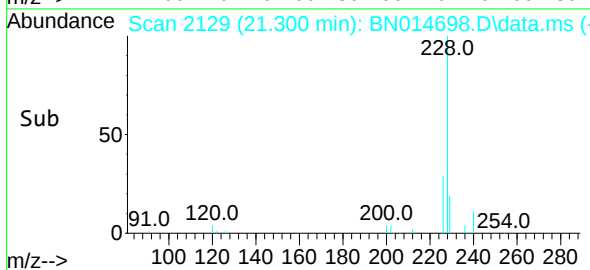
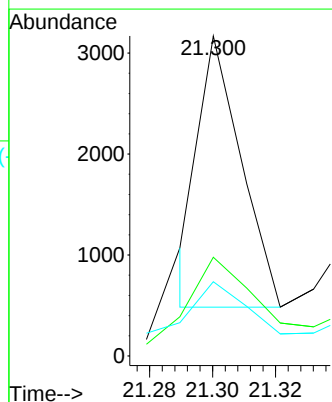
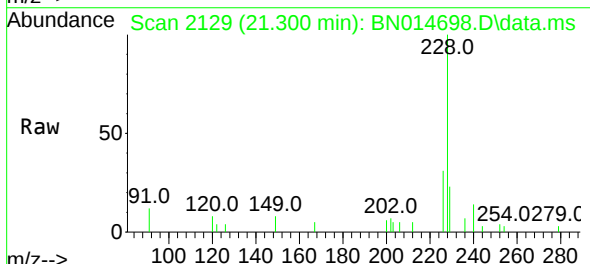
Instrument :
BNA_N
ClientSampleId :
DUP-02-05122021

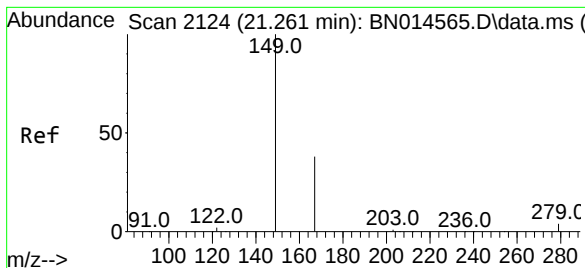
Tgt Ion:	228	Resp:	3931
Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.7	32.5
229	23.2	15.7	23.5



#33
Chrysene
Concen: 0.15 ng
RT: 21.300 min Scan# 2129
Delta R.T. -0.056 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

Tgt Ion:	228	Resp:	2489
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.6
229	23.2	15.6	23.4

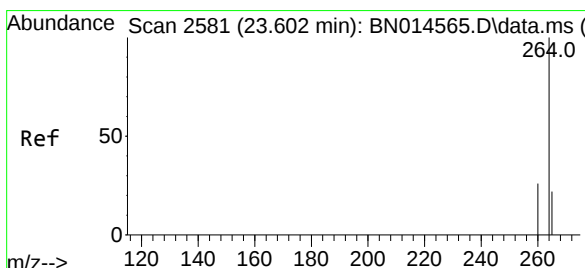
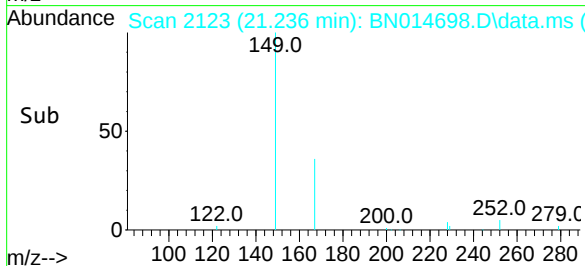
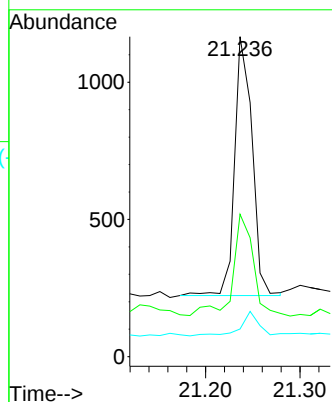
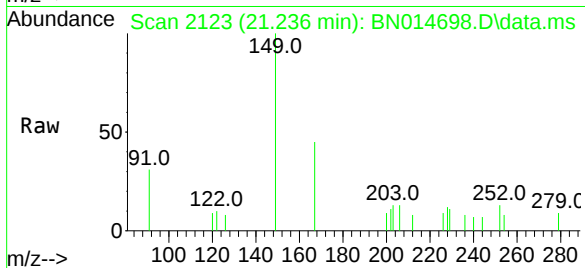




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.28 ng
 RT: 21.236 min Scan# 2123
 Delta R.T. -0.003 min
 Lab File: BN014698.D
 Acq: 21 May 2021 18:00

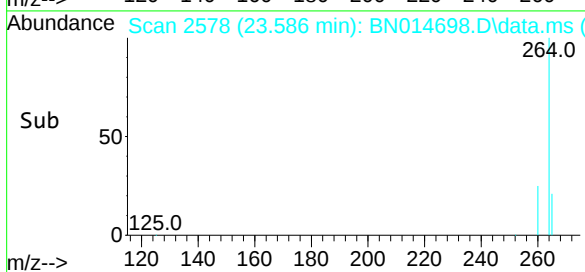
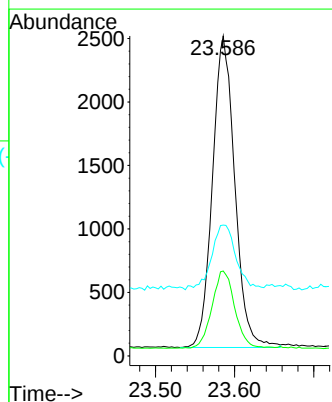
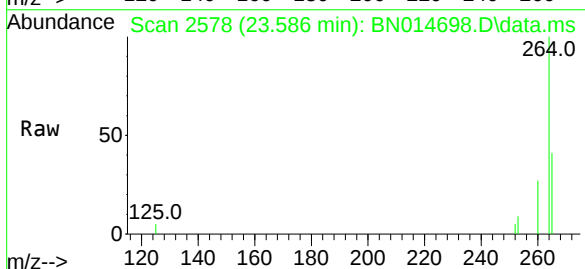
Instrument :
 BNA_N
 ClientSampleId :
 DUP-02-05122021

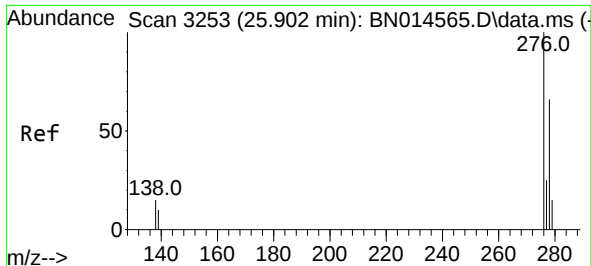
Tgt Ion:149 Resp: 1213
 Ion Ratio Lower Upper
 149 100
 167 46.1 20.5 30.7#
 279 9.9 2.9 4.3#



#35
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.586 min Scan# 2578
 Delta R.T. 0.000 min
 Lab File: BN014698.D
 Acq: 21 May 2021 18:00

Tgt Ion:264 Resp: 4799
 Ion Ratio Lower Upper
 264 100
 260 26.5 19.5 29.3
 265 40.9 35.4 53.0

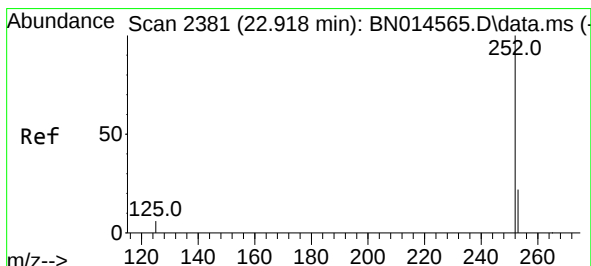
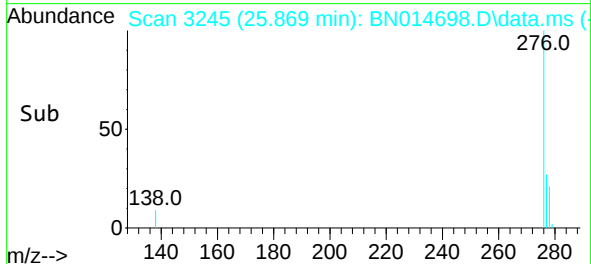
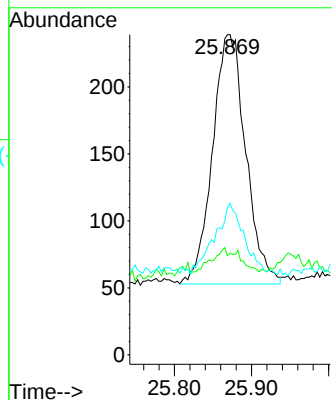
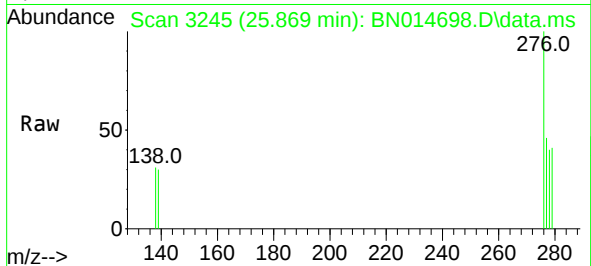




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 25.869 min Scan# 3245
Delta R.T. 0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

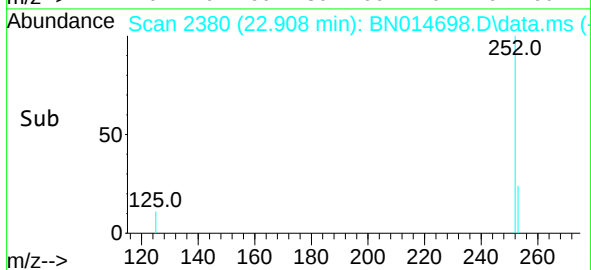
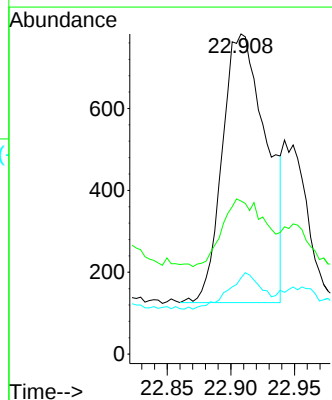
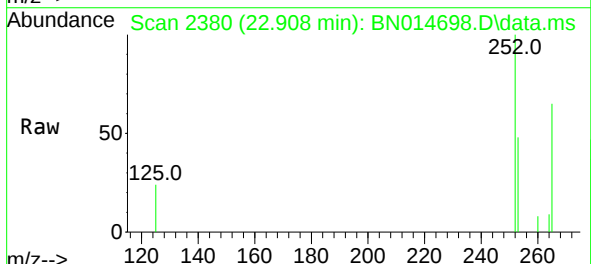
Instrument :
BNA_N
ClientSampleId :
DUP-02-05122021

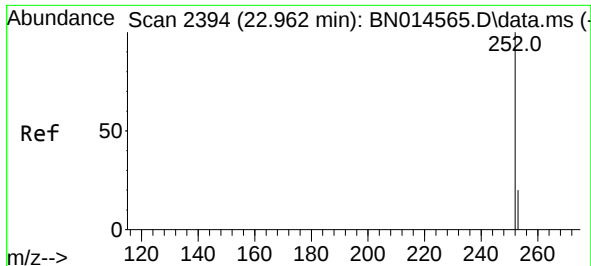
Tgt Ion:276 Resp: 557
Ion Ratio Lower Upper
276 100
138 5.2 18.8 28.2#
277 25.3 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 0.10 ng
RT: 22.908 min Scan# 2380
Delta R.T. 0.007 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

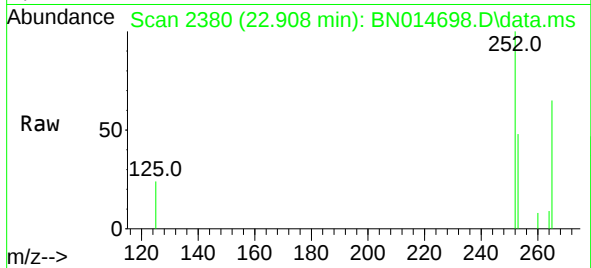
Tgt Ion:252 Resp: 1578
Ion Ratio Lower Upper
252 100
253 47.8 19.6 29.4#
125 23.8 10.3 15.5#



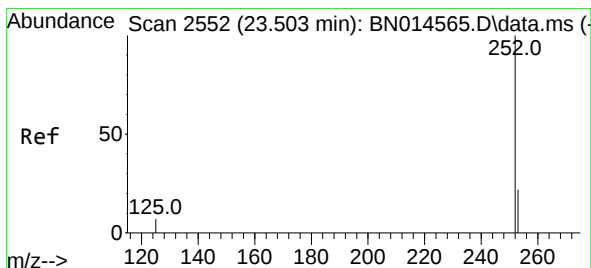
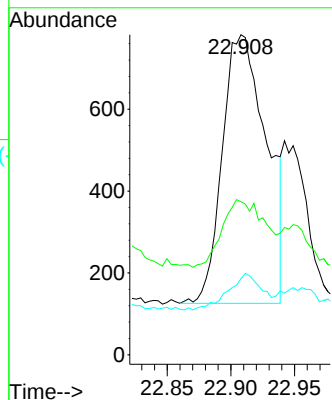


#38
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.908 min Scan# 2380
Delta R.T. -0.037 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00

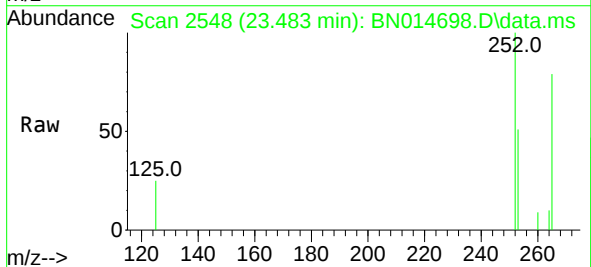
Instrument :
BNA_N
ClientSampleId :
DUP-02-05122021



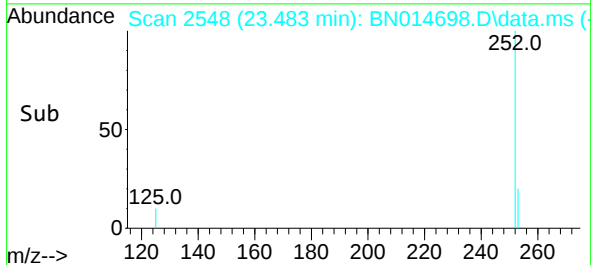
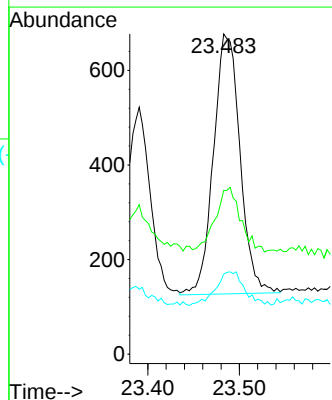
Tgt Ion:252 Resp: 1578
Ion Ratio Lower Upper
252 100
253 47.8 19.7 29.5#
125 23.8 9.7 14.5#

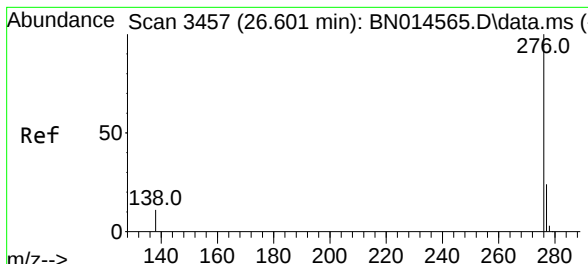


#39
Benzo(a)pyrene
Concen: 0.08 ng
RT: 23.483 min Scan# 2548
Delta R.T. 0.000 min
Lab File: BN014698.D
Acq: 21 May 2021 18:00



Tgt Ion:252 Resp: 1108
Ion Ratio Lower Upper
252 100
253 51.1 21.8 32.6#
125 25.0 14.9 22.3#





#41
 Benzo(g,h,i)perylene
 Concen: 0.03 ng
 RT: 26.567 min Scan# 3449
 Delta R.T. 0.000 min
 Lab File: BN014698.D
 Acq: 21 May 2021 18:00

Instrument :
 BNA_N
 ClientSampleId :
 DUP-02-05122021

Tgt Ion:	276	Resp:	533
Ion Ratio	Lower	Upper	
276	100		
277	44.7	19.6	29.4#
138	33.5	17.5	26.3#

