

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051021\
 Data File : BN014558.D
 Acq On : 10 May 2021 15:35
 Operator : CG/JU
 Sample : M2333-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW8-GW-618-620

Quant Time: May 10 16:49:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN050721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 07 17:32:10 2021
 Response via : Initial Calibration

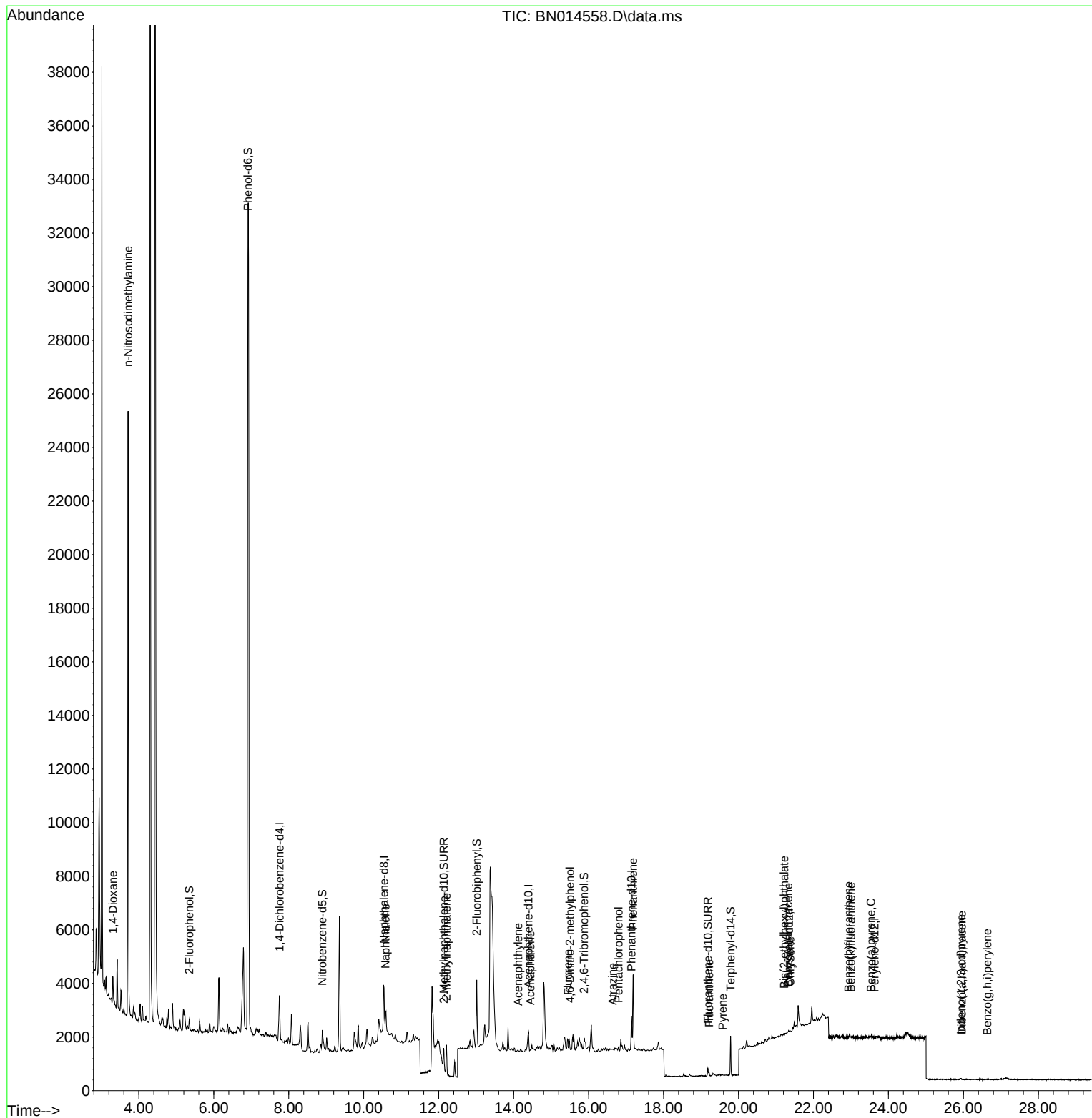
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.756	152	743	0.40	ng	# 0.00
7) Naphthalene-d8	10.543	136	2649	0.40	ng	# 0.00
13) Acenaphthene-d10	14.397	164	336	0.40	ng	# 0.00
19) Phenanthrene-d10	17.140	188	1712	0.40	ng	#-0.01
29) Chrysene-d12	21.345	240	25	0.40	ng	# 0.00
35) Perylene-d12	23.626	264	1	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	348	0.17	ng	0.00
5) Phenol-d6	6.911	99	602	0.21	ng	0.00
8) Nitrobenzene-d5	8.895	82	716	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.133	152	813	0.13	ng	0.00
14) 2,4,6-Tribromophenol	15.881	330	266	1.77	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	2072	1.70	ng	-0.01
27) Fluoranthene-d10	19.183	212	310	0.04	ng	0.00
31) Terphenyl-d14	19.789	244	1478	23.99	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.311	88	912	0.97	ng	# 81
3) n-Nitrosodimethylamine	3.714	42	1030	3.17	ng	# 1
9) Naphthalene	10.581	128	1093	0.16	ng	# 73
12) 2-Methylnaphthalene	12.204	142	750	0.15	ng	# 70
16) Acenaphthylene	14.118	152	36	0.03	ng	# 32
17) Acenaphthene	14.447	154	30	0.03	ng	# 4
18) Fluorene	15.450	166	279	0.23	ng	# 93
20) 4,6-Dinitro-2-methylph...	15.501	198	6	0.23	ng	# 1
23) Atrazine	16.641	200	56	0.08	ng	# 8
24) Pentachlorophenol	16.800	266	26	0.07	ng	# 5
25) Phenanthrene	17.189	178	3014	0.66	ng	96
28) Fluoranthene	19.213	202	124	0.02	ng	# 83
30) Pyrene	19.575	202	13	0.19	ng	# 78
32) Benzo(a)anthracene	21.324	228	24	0.32	ng	# 1
33) Chrysene	21.377	228	18	0.24	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.218	149	22	0.82	ng	# 40
36) Indeno(1,2,3-cd)pyrene	25.940	276	2	0.53	ng	# 51
37) Benzo(b)fluoranthene	22.938	252	6	1.81	ng	# 1
38) Benzo(k)fluoranthene	23.003	252	3	0.94	ng	# 1
39) Benzo(a)pyrene	23.533	252	7	2.43	ng	# 1
40) Dibenzo(a,h)anthracene	25.957	278	2	0.61	ng	# 1
41) Benzo(g,h,i)perylene	26.638	276	2	0.62	ng	# 1

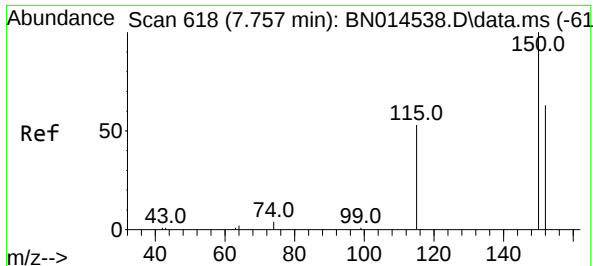
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051021\
Data File : BN014558.D
Acq On : 10 May 2021 15:35
Operator : CG/JU
Sample : M2333-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

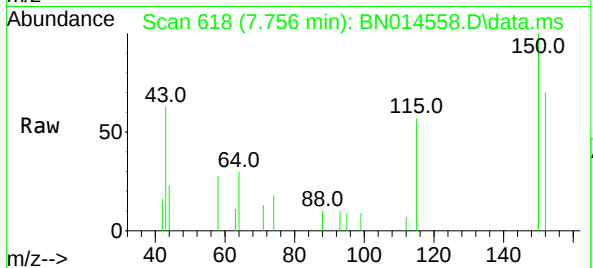
Quant Time: May 10 16:49:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN050721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 07 17:32:10 2021
Response via : Initial Calibration



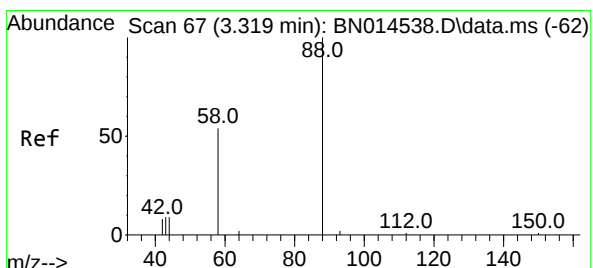
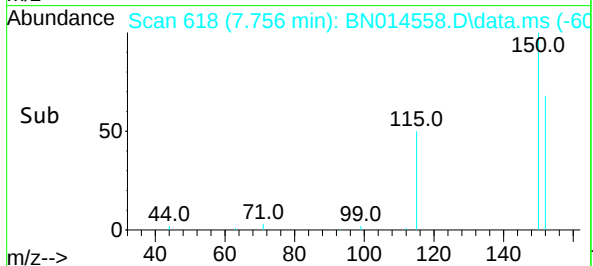
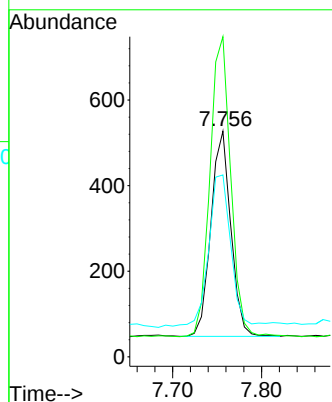


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.756 min Scan# 618
 Delta R.T. -0.001 min
 Lab File: BN014558.D
 Acq: 10 May 2021 15:35

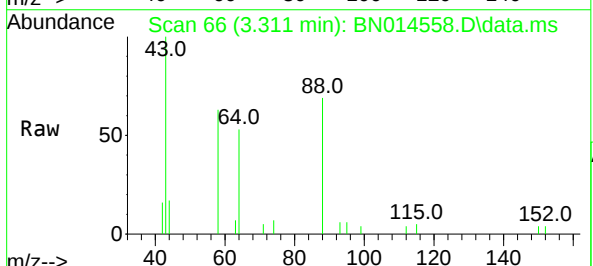
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW8-GW-618-620



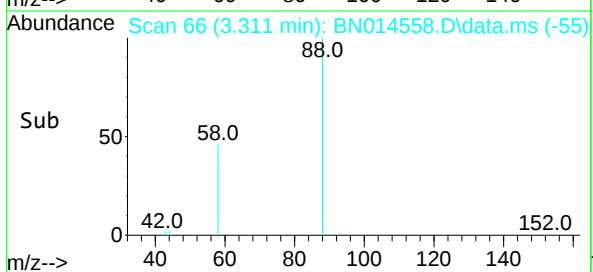
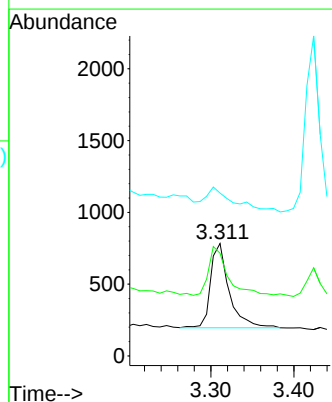
Tgt Ion:152 Resp: 743
 Ion Ratio Lower Upper
 152 100
 150 141.9 123.8 185.8
 115 80.6 47.0 70.4#

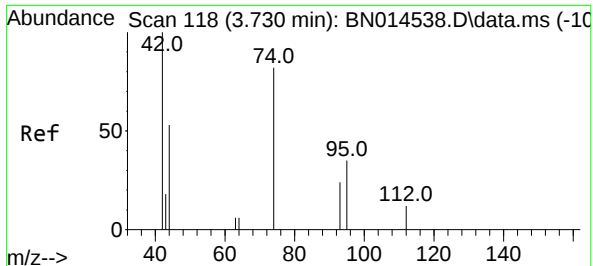


#2
 1,4-Dioxane
 Concen: 0.97 ng
 RT: 3.311 min Scan# 66
 Delta R.T. -0.008 min
 Lab File: BN014558.D
 Acq: 10 May 2021 15:35



Tgt Ion: 88 Resp: 912
 Ion Ratio Lower Upper
 88 100
 58 59.0 44.4 66.6
 43 46.4 15.9 23.9#

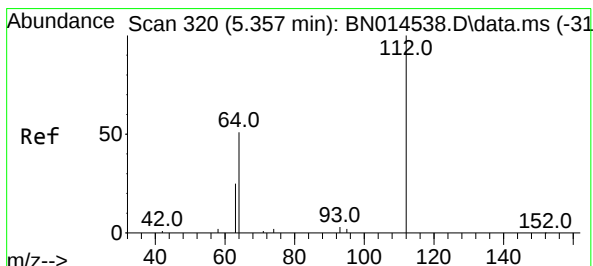
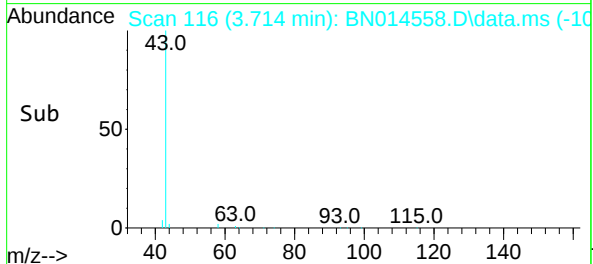
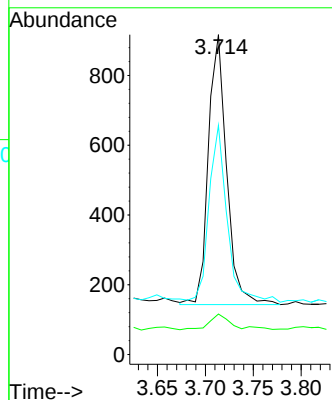
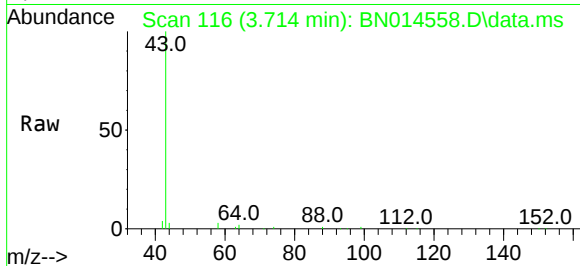




#3
n-Nitrosodimethylamine
Concen: 3.17 ng
RT: 3.714 min Scan# 116
Delta R.T. -0.016 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

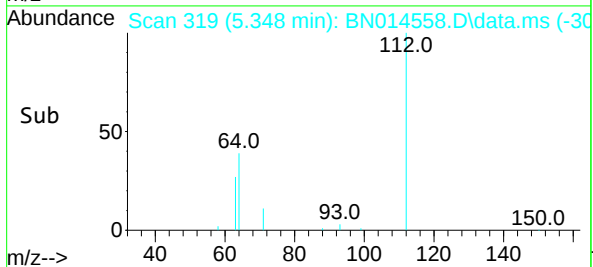
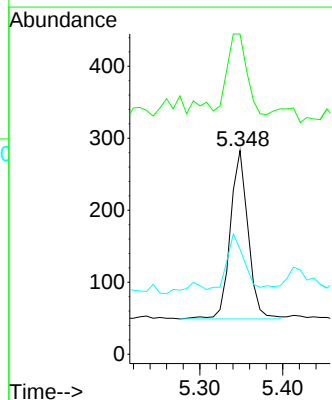
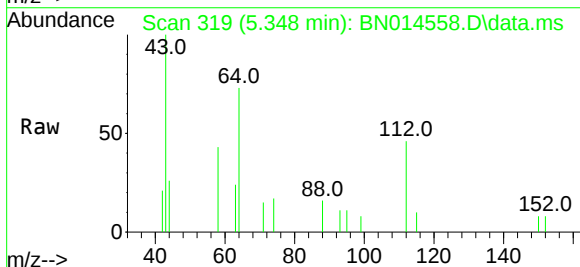
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

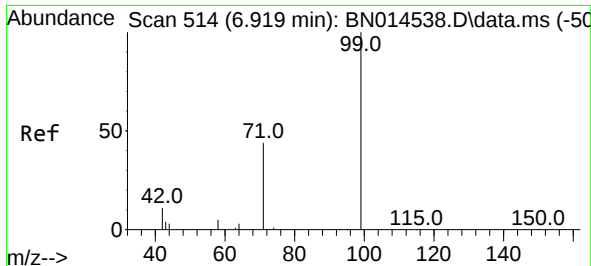
Tgt Ion: 42 Resp: 1030
Ion Ratio Lower Upper
42 100
74 6.1 175.1 262.7#
44 62.7 7.5 11.3#



#4
2-Fluorophenol
Concen: 0.17 ng
RT: 5.348 min Scan# 319
Delta R.T. -0.008 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion: 112 Resp: 348
Ion Ratio Lower Upper
112 100
64 55.2 41.8 62.6
63 31.6 22.0 33.0

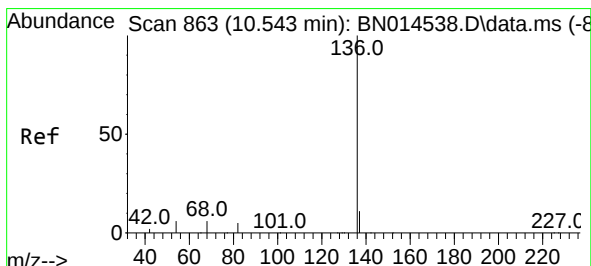
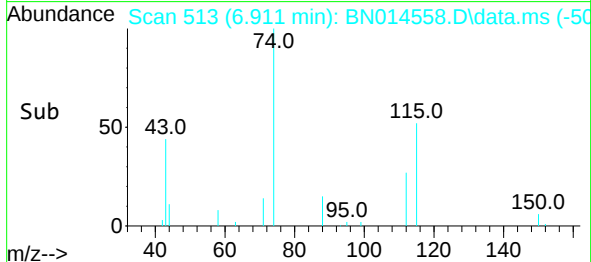
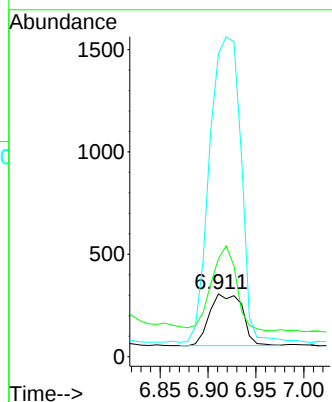
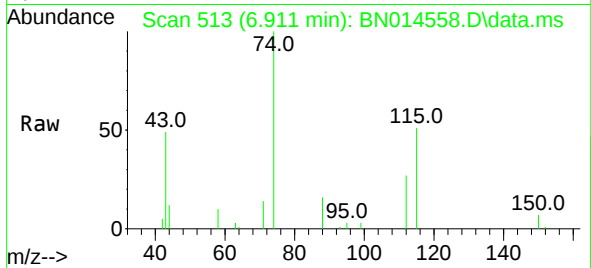




#5
Phenol-d6
Concen: 0.21 ng
RT: 6.911 min Scan# 513
Delta R.T. -0.008 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

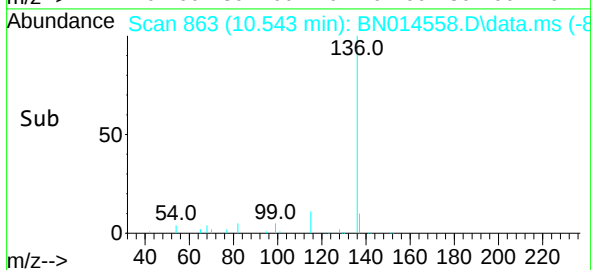
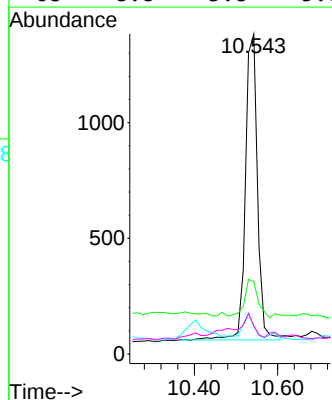
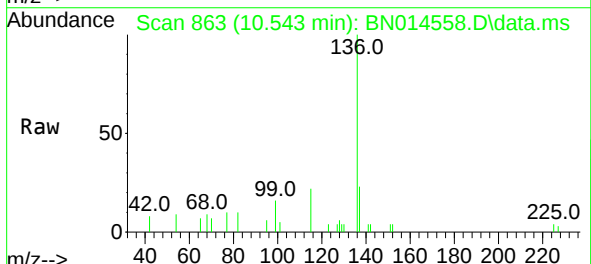
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

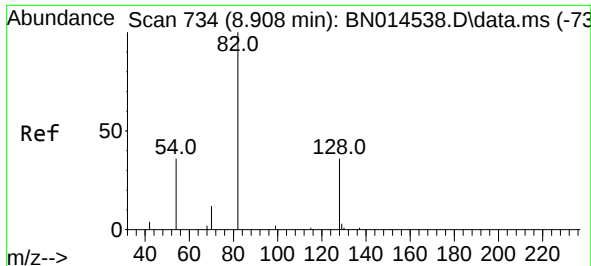
Tgt Ion: 99 Resp: 602
Ion Ratio Lower Upper
99 100
42 125.6 13.2 19.8#
71 562.1 26.2 39.2#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.543 min Scan# 863
Delta R.T. -0.000 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion: 136 Resp: 2649
Ion Ratio Lower Upper
136 100
137 22.6 8.9 13.3#
54 8.6 3.8 5.8#
68 8.8 3.8 5.6#

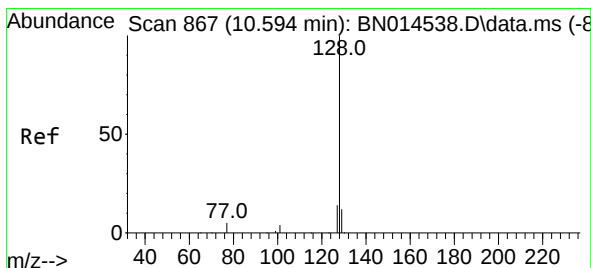
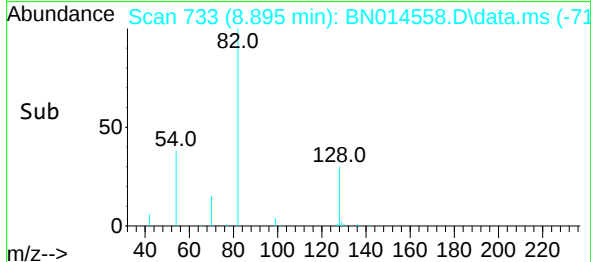
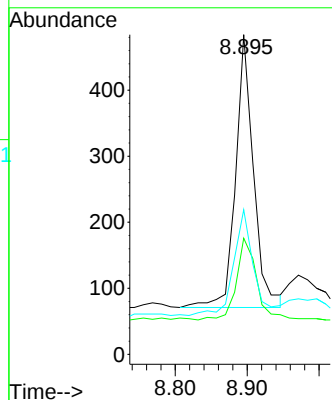
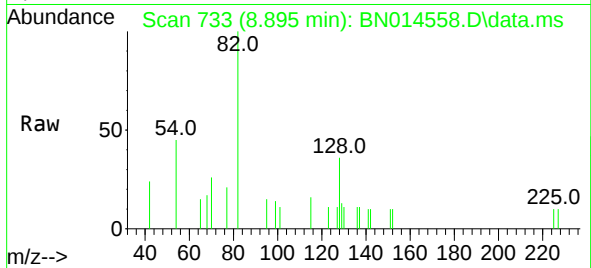




#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.895 min Scan# 733
Delta R.T. -0.013 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

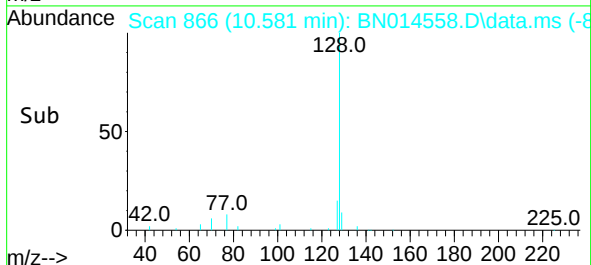
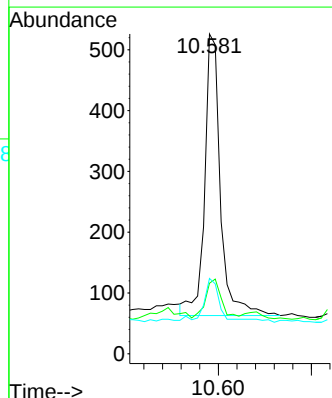
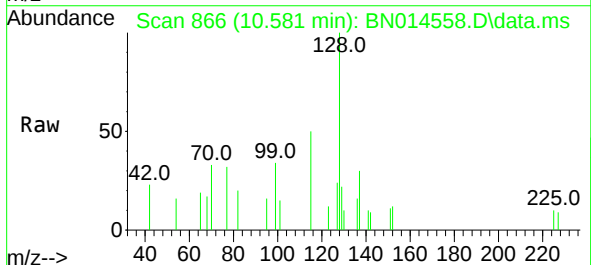
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

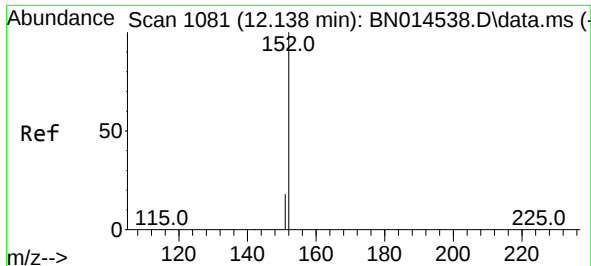
Tgt Ion: 82 Resp: 716
Ion Ratio Lower Upper
82 100
128 36.4 29.5 44.3
54 45.2 36.9 55.3



#9
Naphthalene
Concen: 0.16 ng
RT: 10.581 min Scan# 866
Delta R.T. -0.013 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion: 128 Resp: 1093
Ion Ratio Lower Upper
128 100
129 22.1 9.0 13.4#
127 23.6 10.4 15.6#

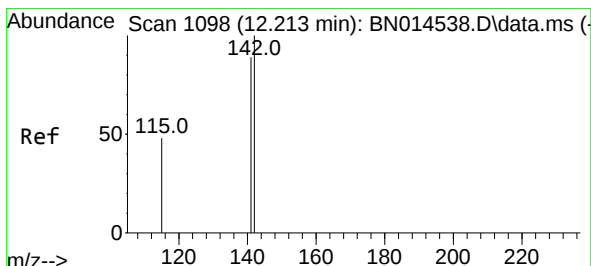
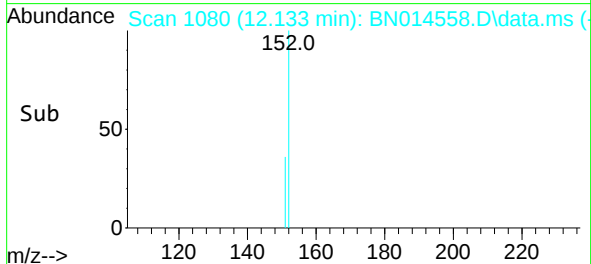
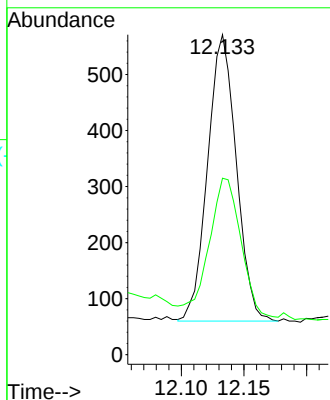
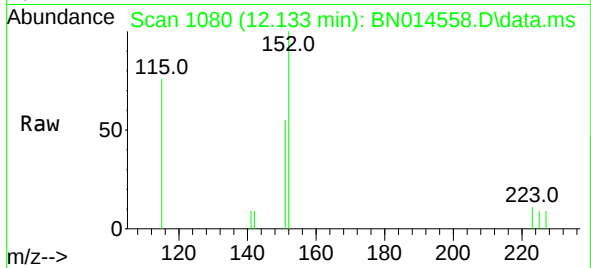




#11
2-Methylnaphthalene-d10
Concen: 0.13 ng
RT: 12.133 min Scan# 1080
Delta R.T. -0.005 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

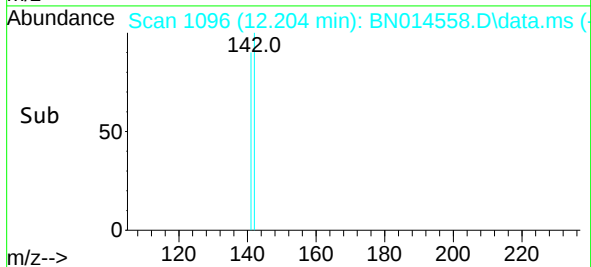
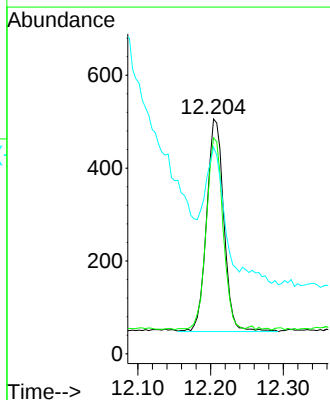
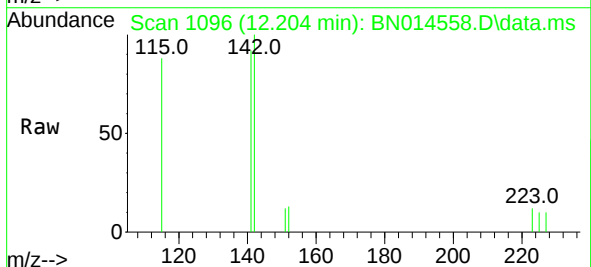
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

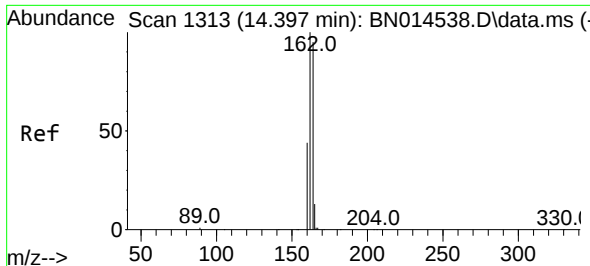
Tgt Ion:152 Resp: 813
Ion Ratio Lower Upper
152 100
151 53.3 16.2 24.2#



#12
2-Methylnaphthalene
Concen: 0.15 ng
RT: 12.204 min Scan# 1096
Delta R.T. -0.009 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:142 Resp: 750
Ion Ratio Lower Upper
142 100
141 91.9 70.2 105.4
115 87.9 26.7 40.1#

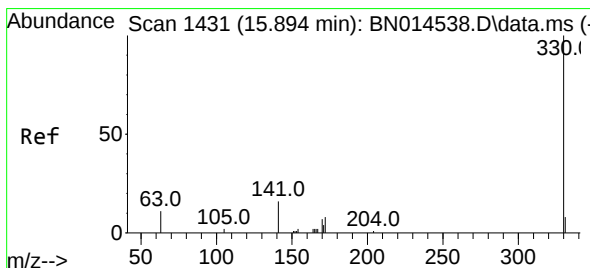
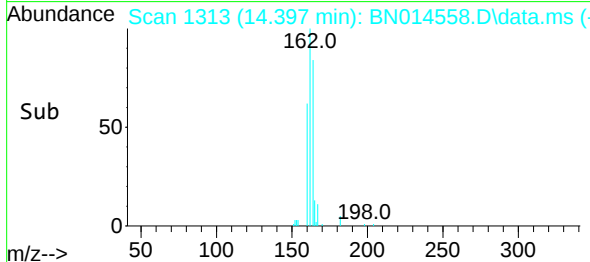
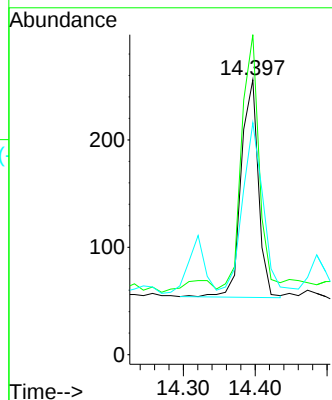
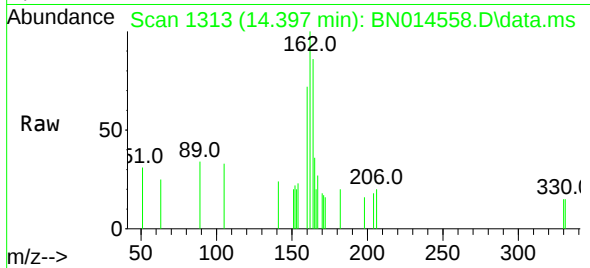




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.397 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

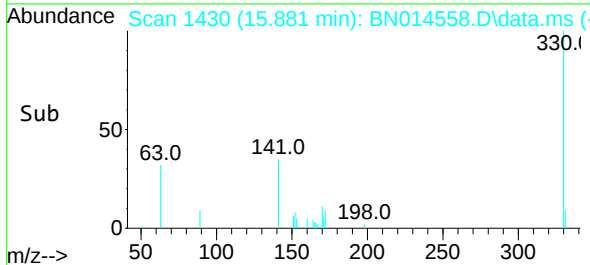
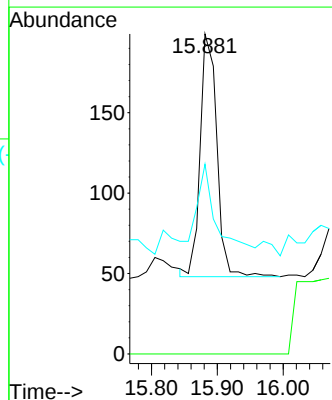
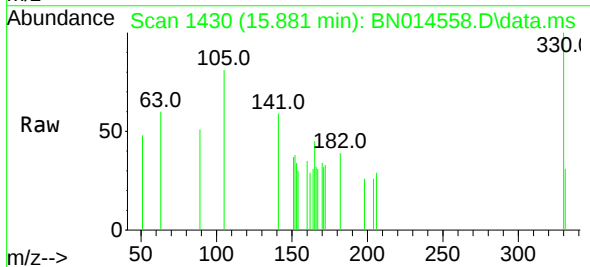
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

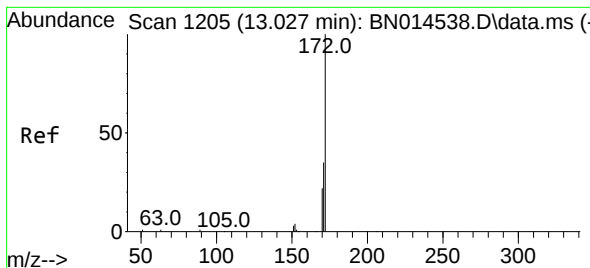
Tgt Ion:164 Resp: 336
Ion Ratio Lower Upper
164 100
162 116.4 78.6 118.0
160 84.4 35.8 53.8#



#14
2,4,6-Tribromophenol
Concen: 1.77 ng
RT: 15.881 min Scan# 1430
Delta R.T. -0.013 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:330 Resp: 266
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 32.7 27.0 40.4

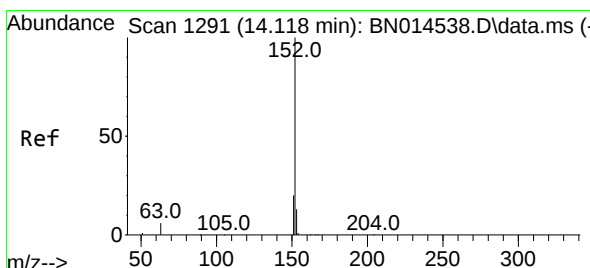
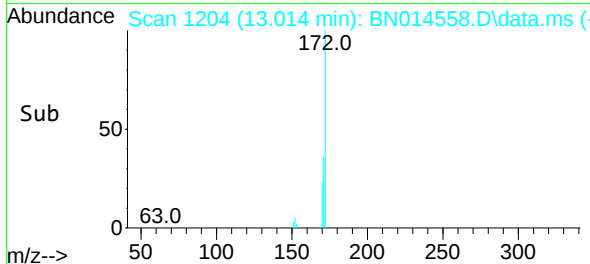
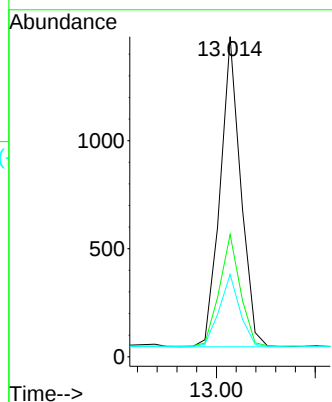
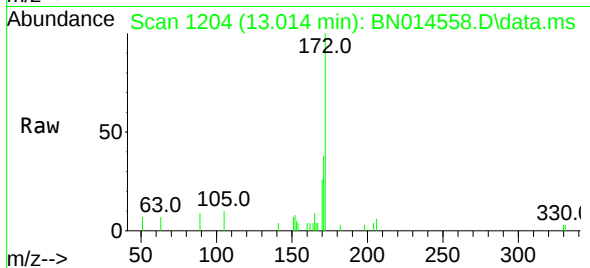




#15
2-Fluorobiphenyl
Concen: 1.70 ng
RT: 13.014 min Scan# 1204
Delta R.T. -0.013 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

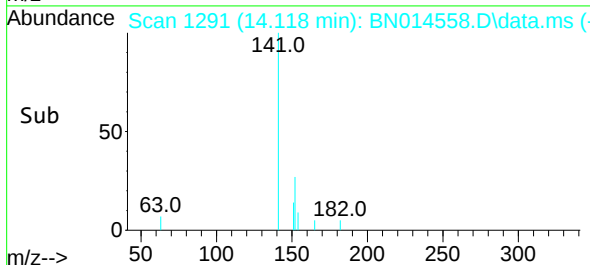
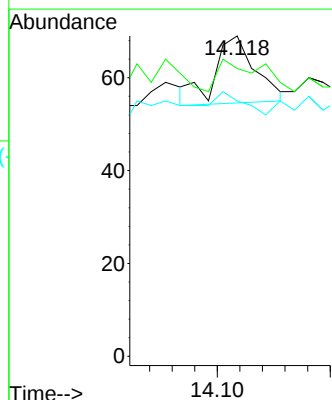
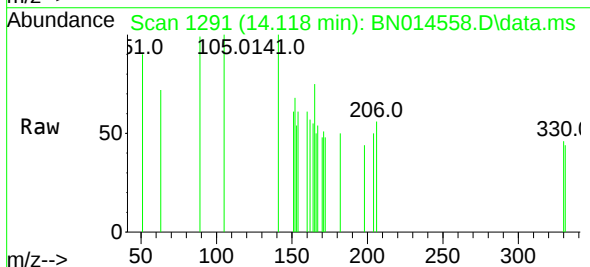
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

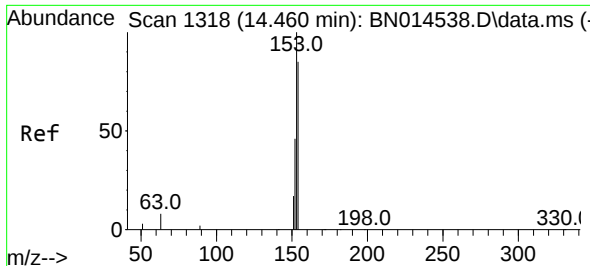
Tgt Ion:	172	Resp:	2072
Ion	Ratio	Lower	Upper
172	100		
171	38.2	27.1	40.7
170	25.7	18.3	27.5



#16
Acenaphthylene
Concen: 0.03 ng
RT: 14.118 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:	152	Resp:	36
Ion	Ratio	Lower	Upper
152	100		
151	63.9	15.6	23.4#
153	22.2	10.5	15.7#

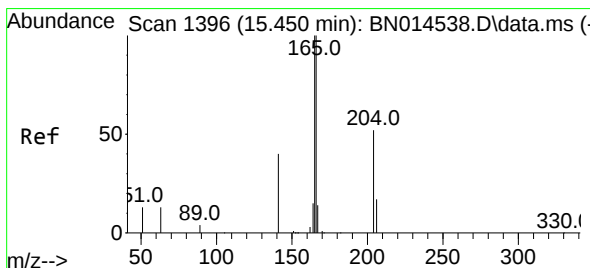
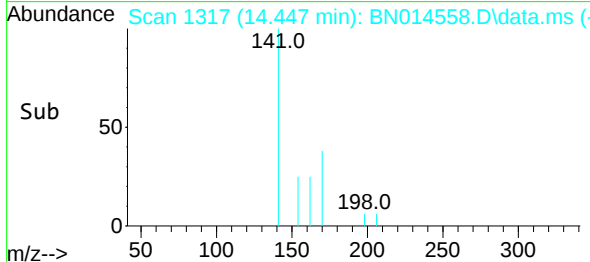
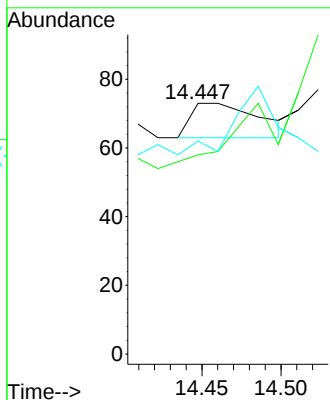
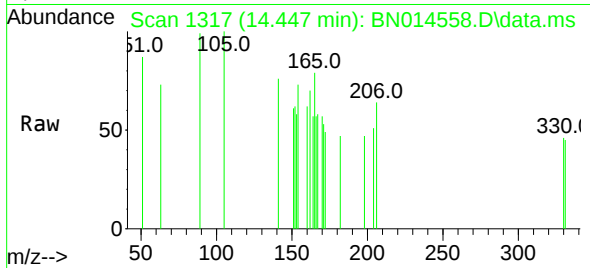




#17
Acenaphthene
Concen: 0.03 ng
RT: 14.447 min Scan# 1317
Delta R.T. -0.013 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

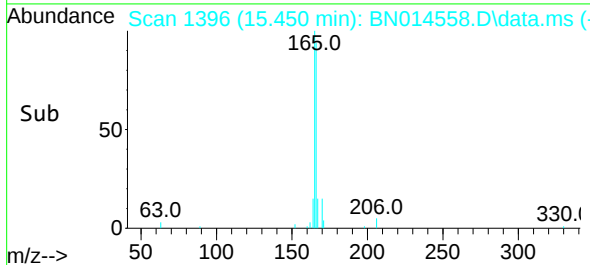
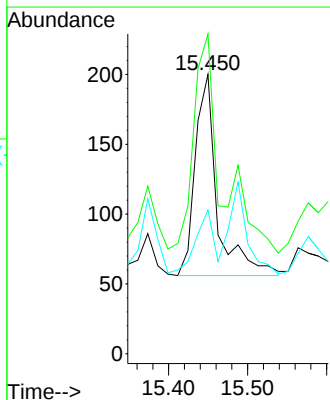
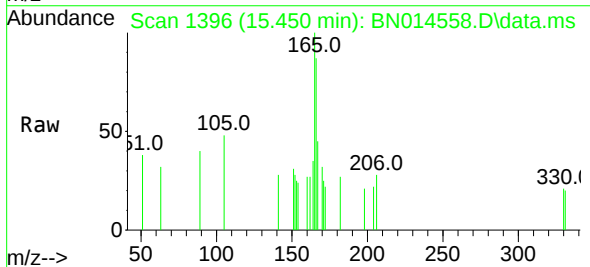
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

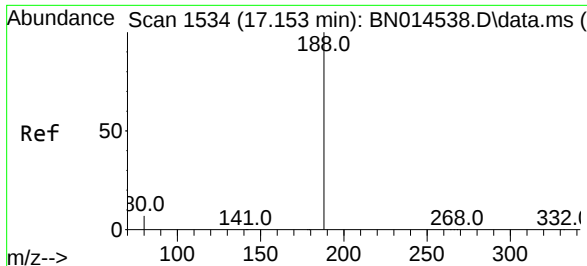
Tgt Ion:154 Resp: 30
Ion Ratio Lower Upper
154 100
153 0.0 90.2 135.4#
152 0.0 46.2 69.2#



#18
Fluorene
Concen: 0.23 ng
RT: 15.450 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:166 Resp: 279
Ion Ratio Lower Upper
166 100
165 103.2 78.4 117.6
167 22.6 10.7 16.1#

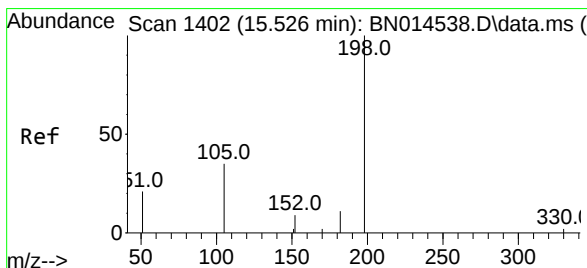
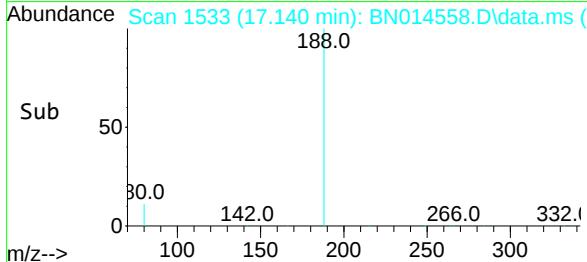
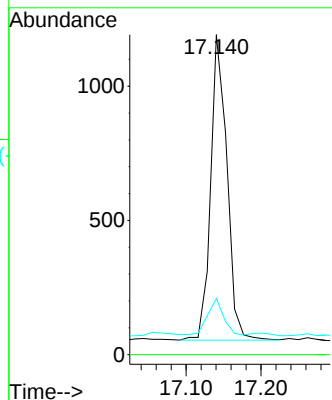
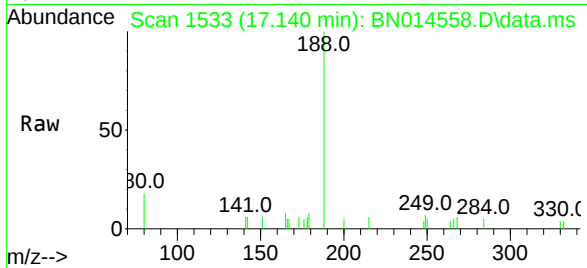




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.140 min Scan# 1533
Delta R.T. -0.013 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

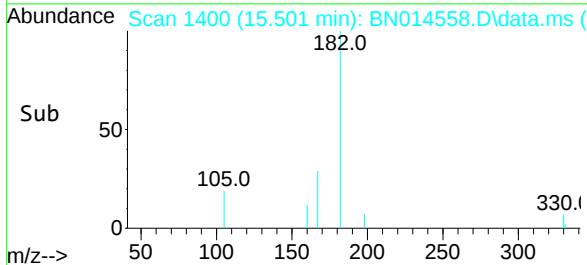
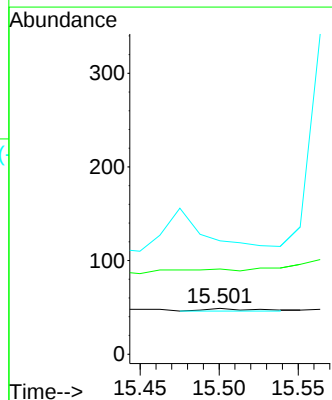
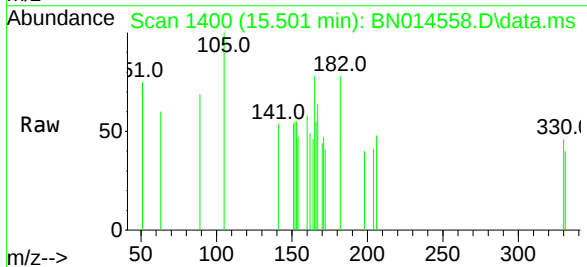
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

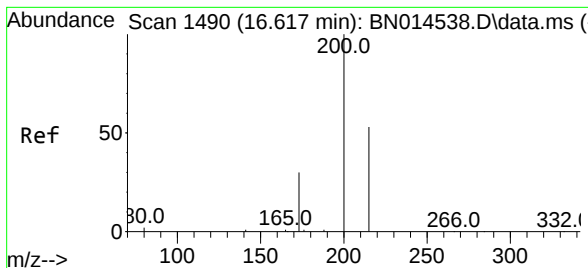
Tgt Ion:188 Resp: 1712
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.5 5.2 7.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.23 ng
RT: 15.501 min Scan# 1400
Delta R.T. -0.025 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:198 Resp: 6
Ion Ratio Lower Upper
198 100
51 185.7 865.3 1297.9#
105 246.9 93.6 140.4#

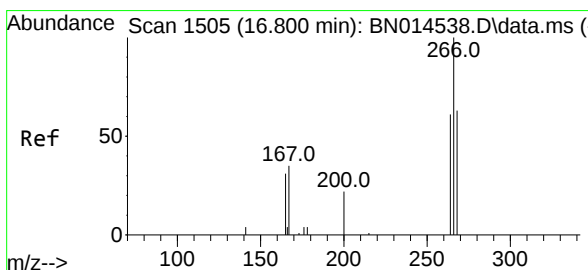
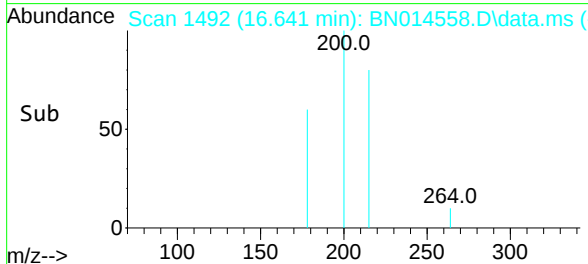
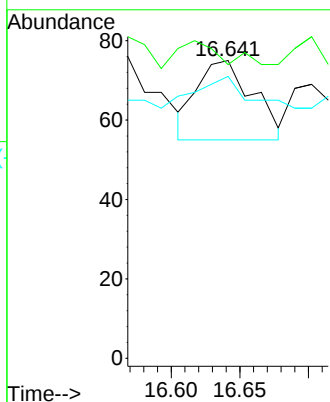
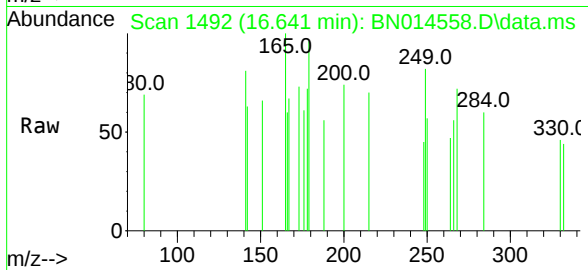




#23
Atrazine
Concen: 0.08 ng
RT: 16.641 min Scan# 1492
Delta R.T. 0.024 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

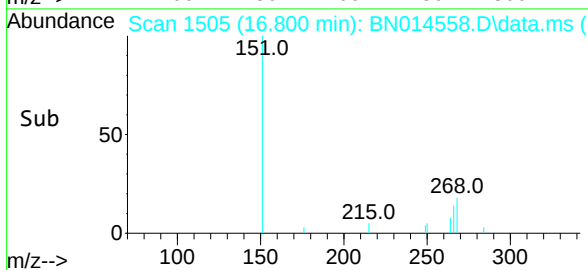
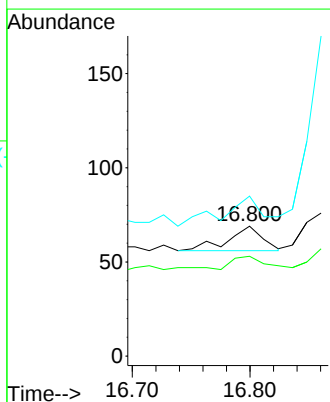
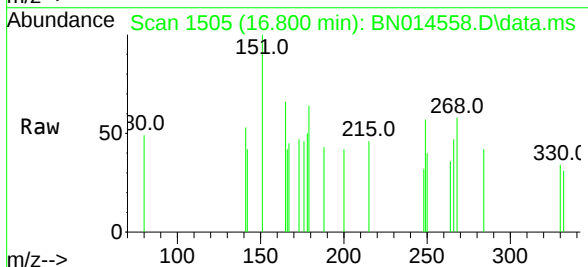
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

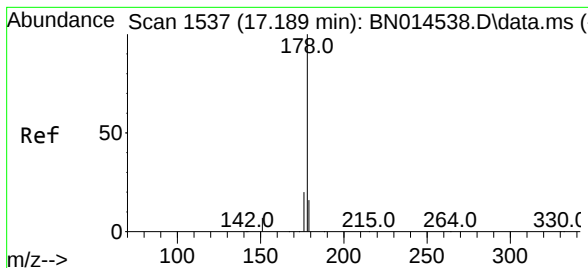
Tgt Ion:200 Resp: 56
Ion Ratio Lower Upper
200 100
173 98.7 23.0 34.6#
215 94.7 38.6 57.8#



#24
Pentachlorophenol
Concen: 0.07 ng
RT: 16.800 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:266 Resp: 26
Ion Ratio Lower Upper
266 100
264 34.6 24.2 36.4
268 130.8 25.2 37.8#

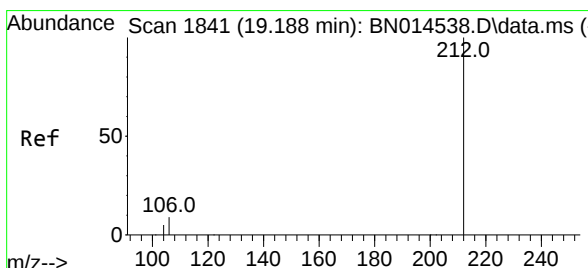
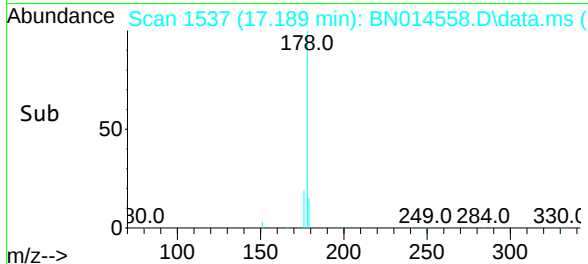
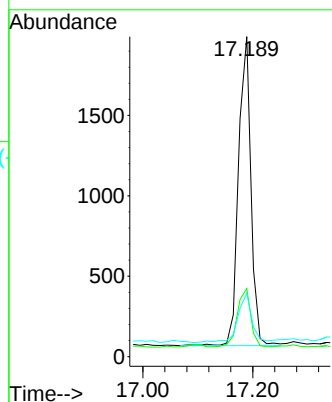
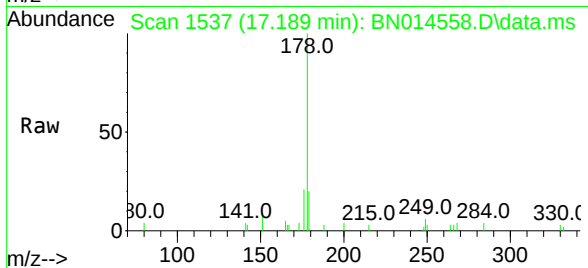




#25
Phenanthrene
Concen: 0.66 ng
RT: 17.189 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

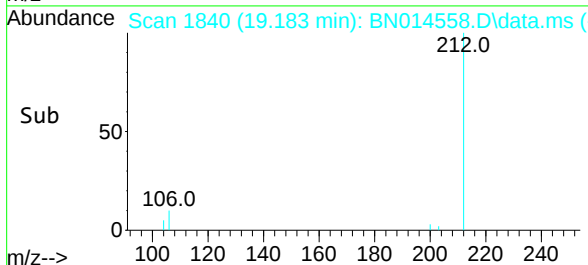
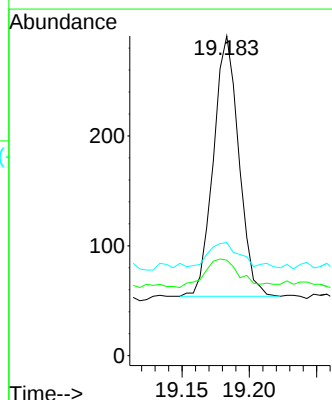
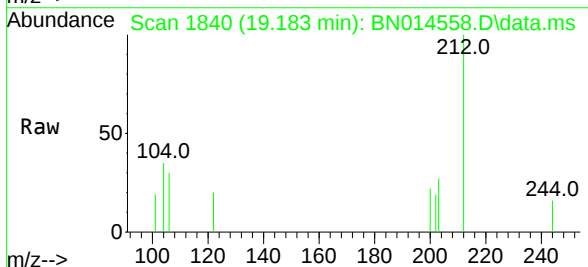
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

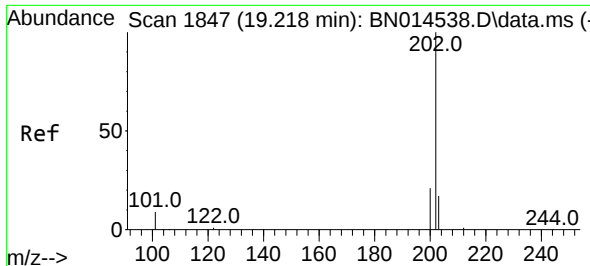
Tgt Ion:	178	Resp:	3014
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.2	22.8
179	18.1	12.4	18.6



#27
Fluoranthene-d10
Concen: 0.04 ng
RT: 19.183 min Scan# 1840
Delta R.T. -0.005 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:	212	Resp:	310
Ion Ratio	Lower	Upper	
212	100		
106	15.5	10.1	15.1#
104	12.3	5.4	8.2#

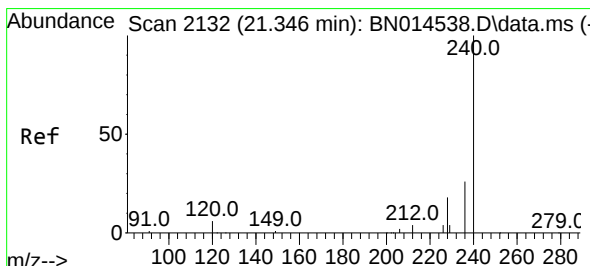
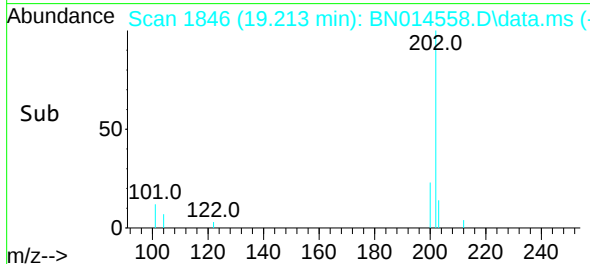
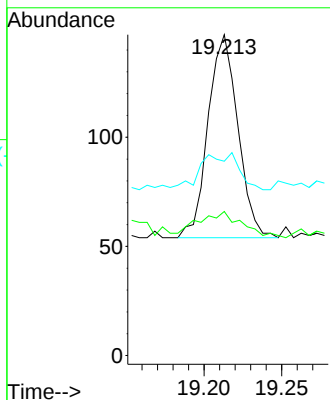
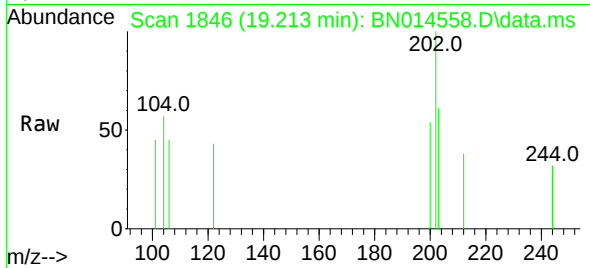




#28
Fluoranthene
Concen: 0.02 ng
RT: 19.213 min Scan# 1846
Delta R.T. -0.005 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

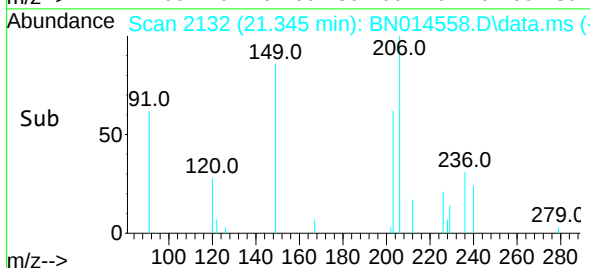
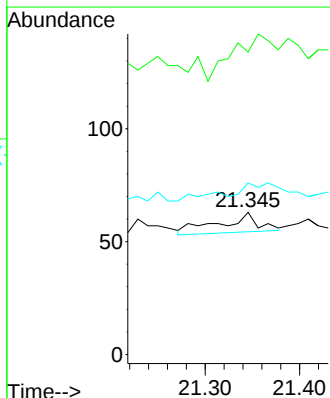
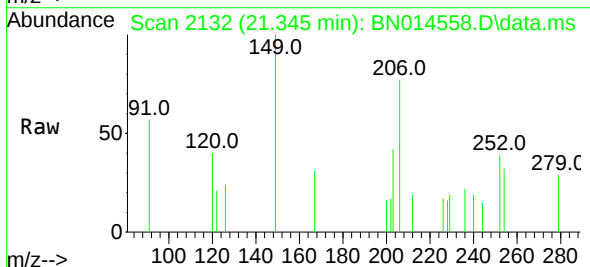
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

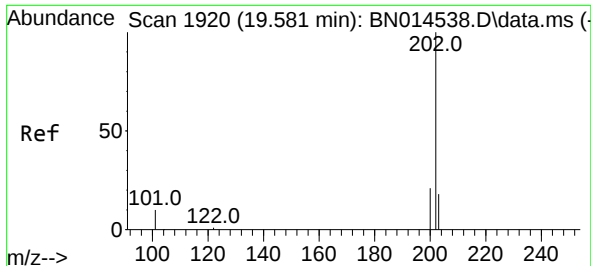
Tgt Ion:202 Resp: 124
Ion Ratio Lower Upper
202 100
101 19.4 8.4 12.6#
203 22.6 13.5 20.3#



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.345 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:240 Resp: 25
Ion Ratio Lower Upper
240 100
120 212.7 5.8 8.8#
236 120.6 20.6 30.8#

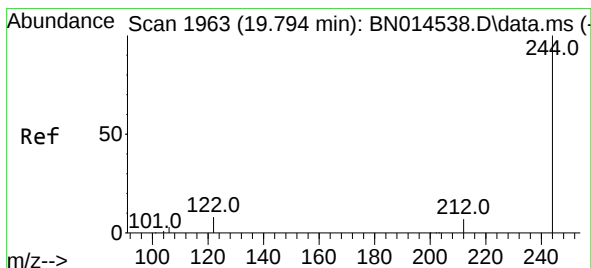
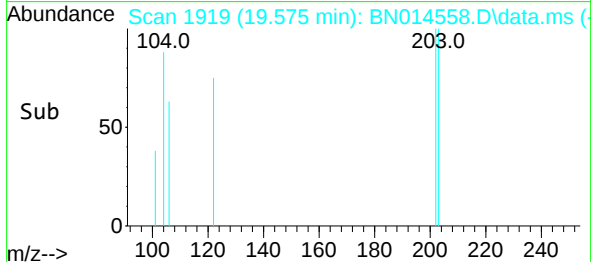
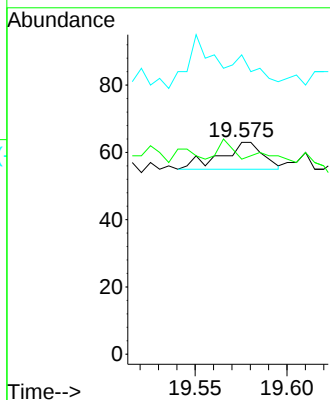
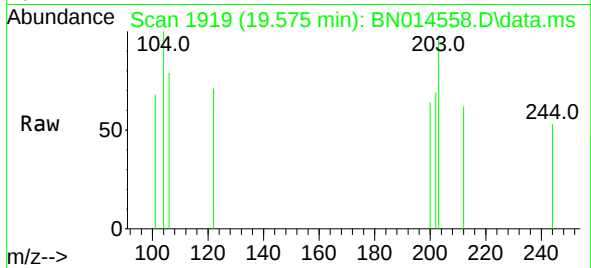




#30
Pyrene
Concen: 0.19 ng
RT: 19.575 min Scan# 1919
Delta R.T. -0.005 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

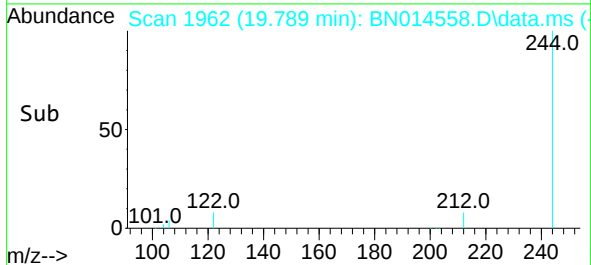
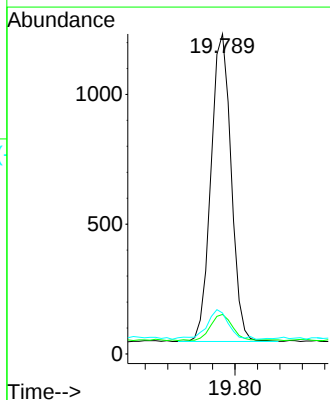
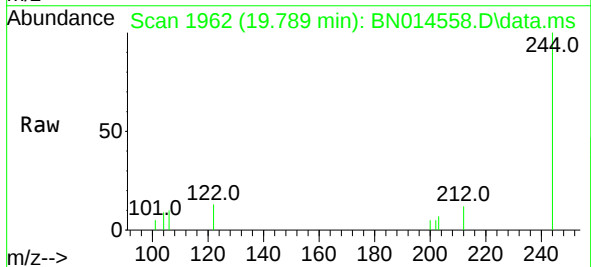
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

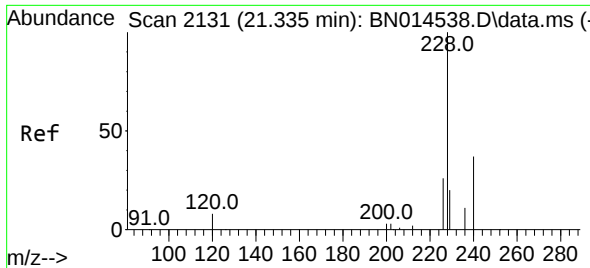
Tgt Ion:202 Resp: 13
Ion Ratio Lower Upper
202 100
200 23.1 16.3 24.5
203 0.0 14.0 21.0#



#31
Terphenyl-d14
Concen: 23.99 ng
RT: 19.789 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:244 Resp: 1478
Ion Ratio Lower Upper
244 100
212 12.3 6.0 9.0#
122 12.8 9.3 13.9

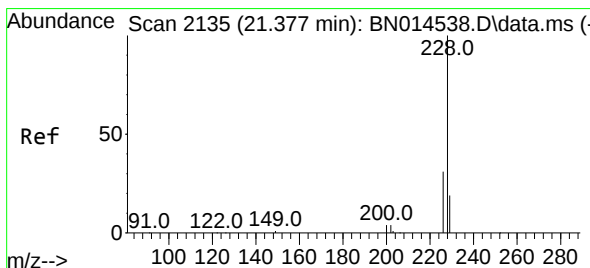
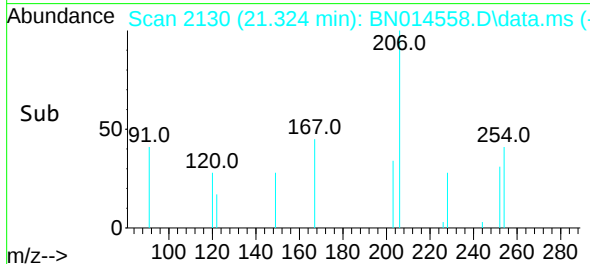
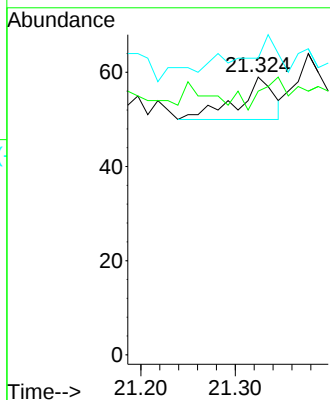
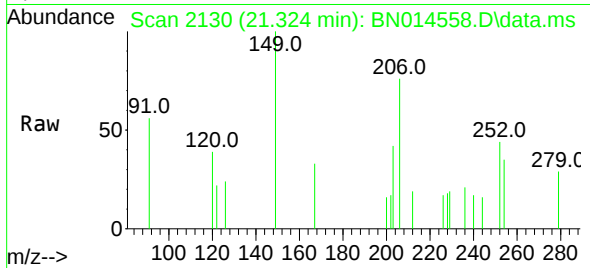




#32
Benzo(a)anthracene
Concen: 0.32 ng
RT: 21.324 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

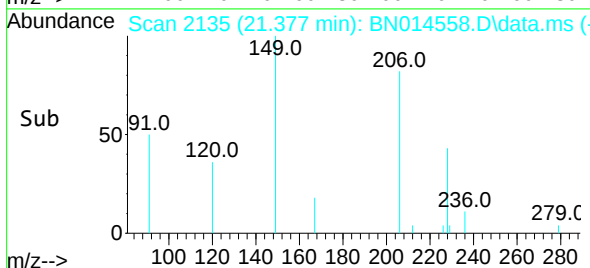
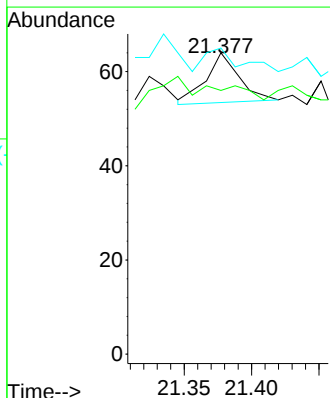
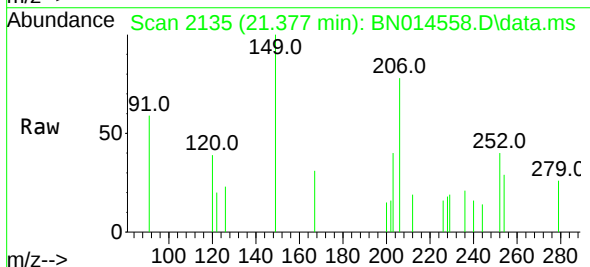
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

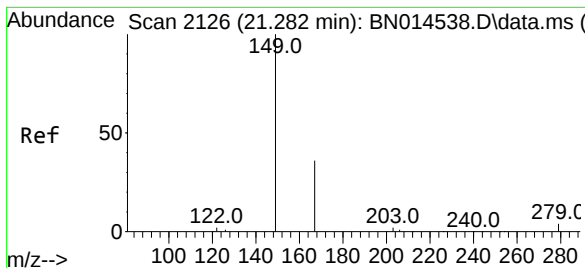
Tgt Ion:228 Resp: 24
Ion Ratio Lower Upper
228 100
226 94.9 21.7 32.5#
229 106.8 15.7 23.5#



#33
Chrysene
Concen: 0.24 ng
RT: 21.377 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:228 Resp: 18
Ion Ratio Lower Upper
228 100
226 87.5 23.8 35.6#
229 101.6 15.6 23.4#

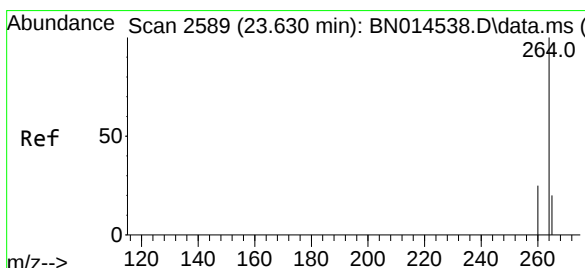
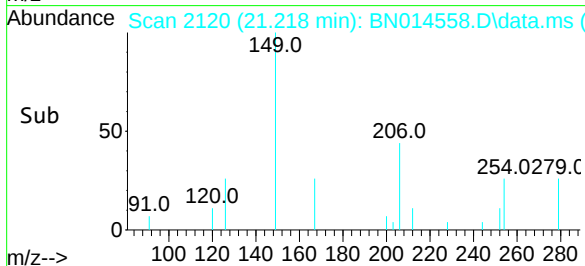
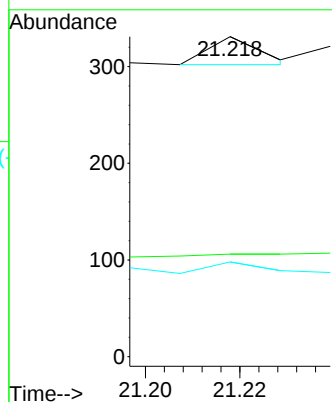
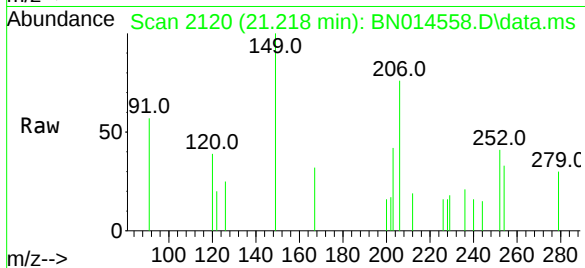




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.82 ng
RT: 21.218 min Scan# 2120
Delta R.T. -0.064 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

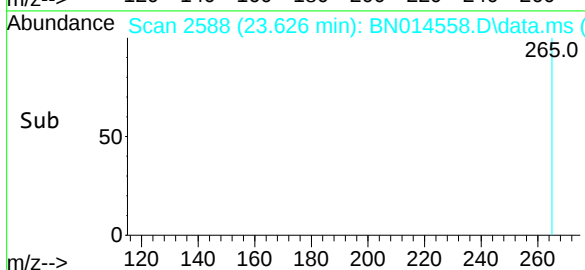
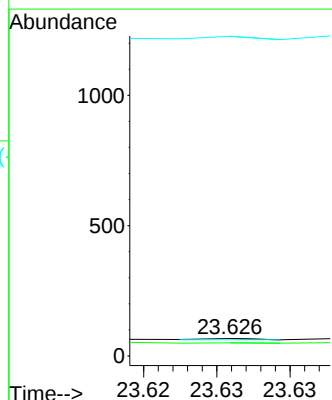
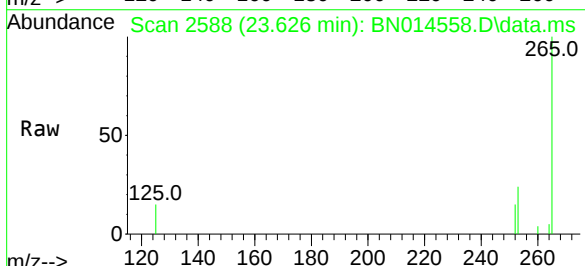
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

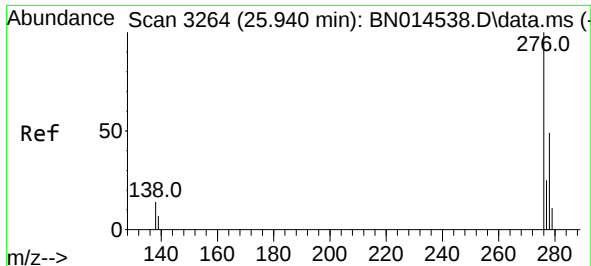
Tgt Ion:149 Resp: 22
Ion Ratio Lower Upper
149 100
167 0.0 20.5 30.7#
279 45.5 2.9 4.3#



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.626 min Scan# 2588
Delta R.T. -0.004 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:264 Resp: 1
Ion Ratio Lower Upper
264 100
260 74.6 19.5 29.3#
265 1831.3 35.4 53.0#

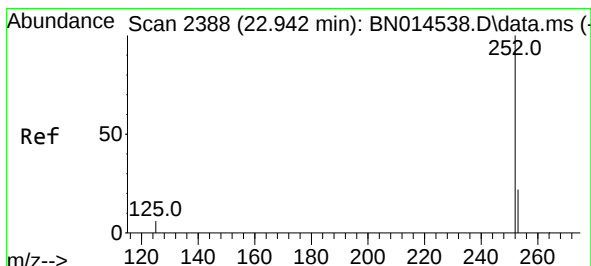
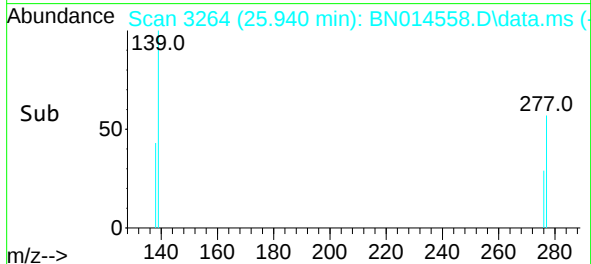
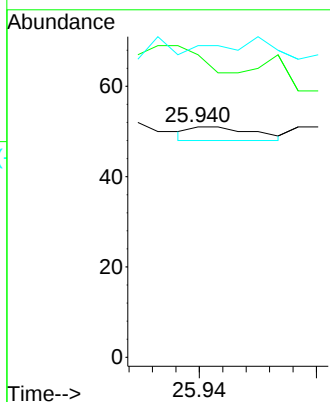
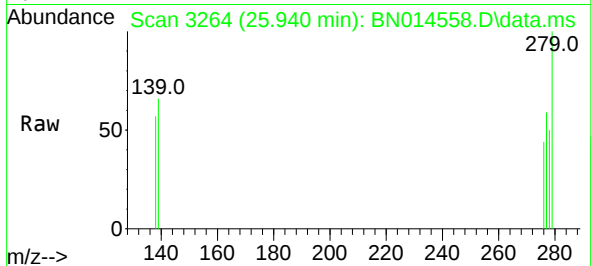




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.53 ng
RT: 25.940 min Scan# 3264
Delta R.T. -0.000 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

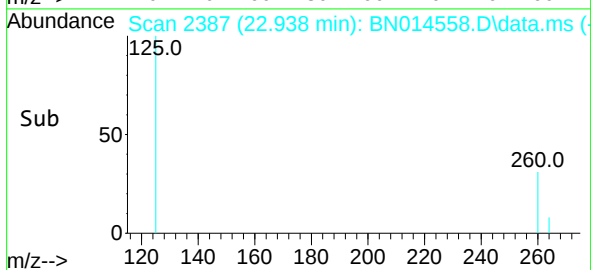
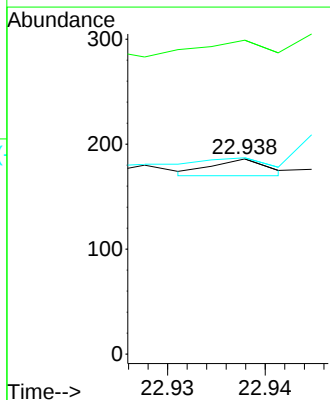
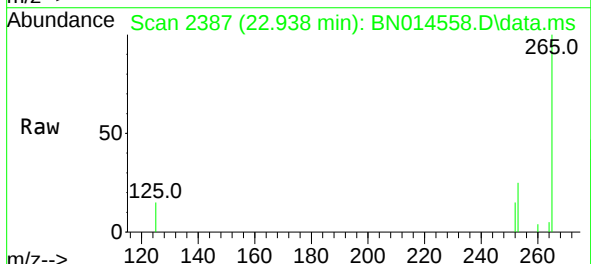
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

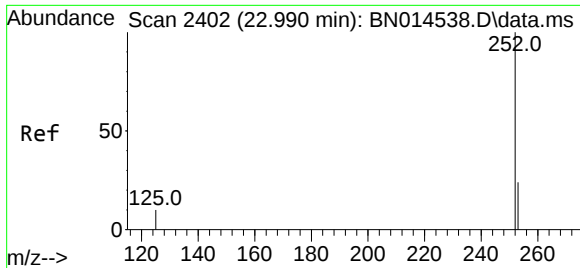
Tgt Ion:276 Resp: 2
Ion Ratio Lower Upper
276 100
138 0.0 18.8 28.2#
277 0.0 19.8 29.8#



#37
Benzo(b)fluoranthene
Concen: 1.81 ng
RT: 22.938 min Scan# 2387
Delta R.T. -0.004 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

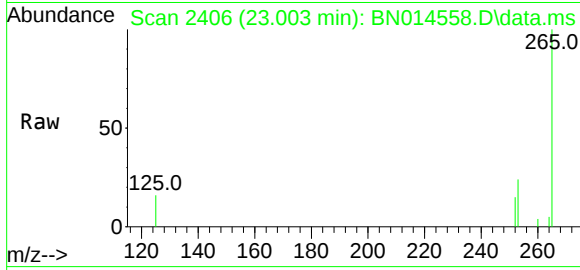
Tgt Ion:252 Resp: 6
Ion Ratio Lower Upper
252 100
253 160.8 19.6 29.4#
125 100.5 10.3 15.5#



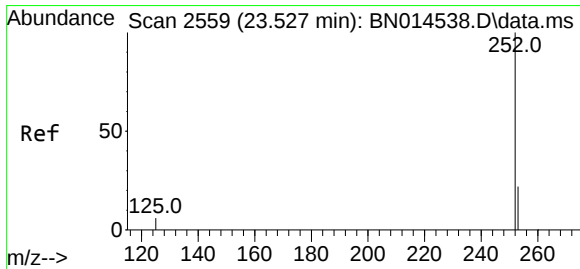
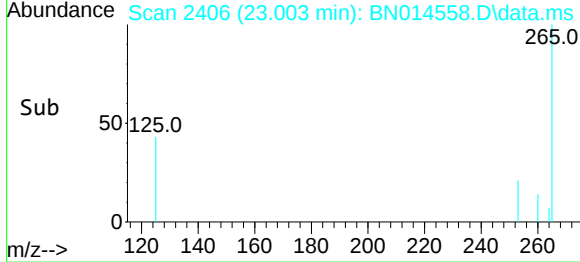
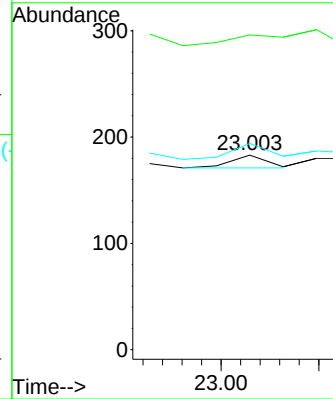


#38
Benzo(k)fluoranthene
Concen: 0.94 ng
RT: 23.003 min Scan# 2406
Delta R.T. 0.013 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

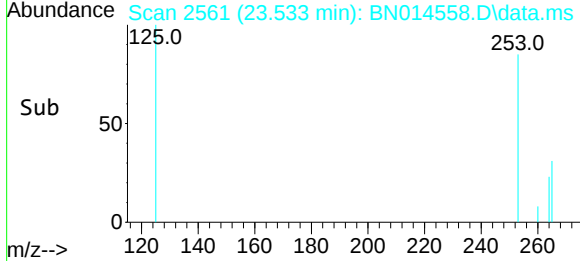
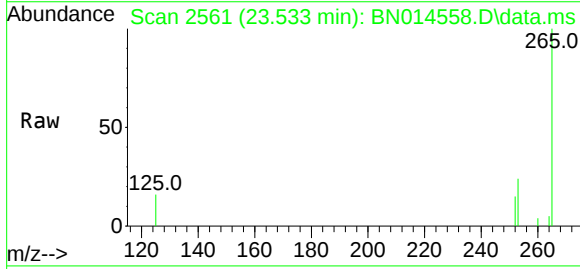
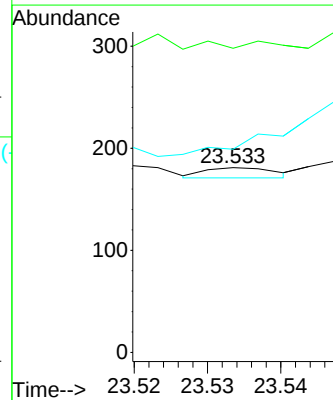


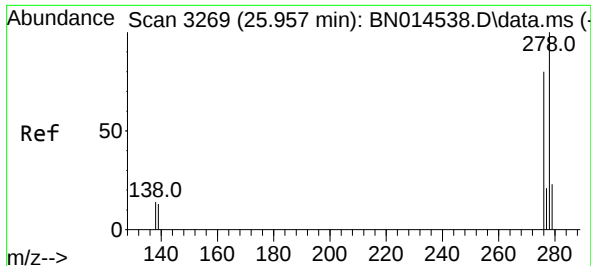
Tgt Ion:252 Resp: 3
Ion Ratio Lower Upper
252 100
253 161.7 19.7 29.5#
125 106.0 9.7 14.5#



#39
Benzo(a)pyrene
Concen: 2.43 ng
RT: 23.533 min Scan# 2561
Delta R.T. 0.007 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:252 Resp: 7
Ion Ratio Lower Upper
252 100
253 164.6 21.8 32.6#
125 109.9 14.9 22.3#

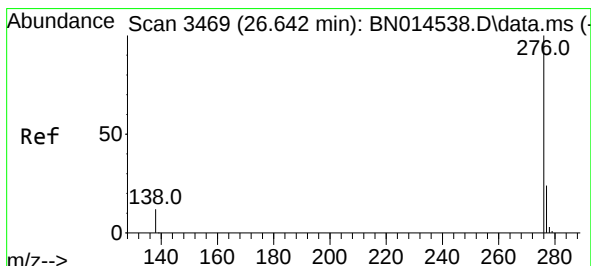
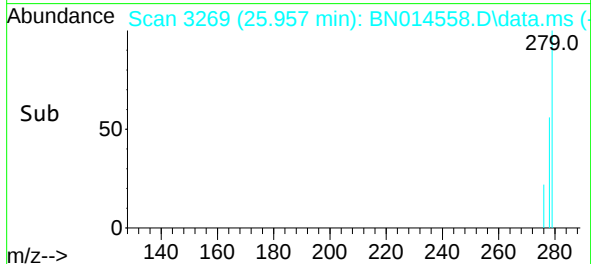
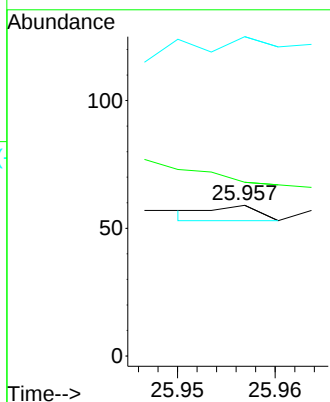
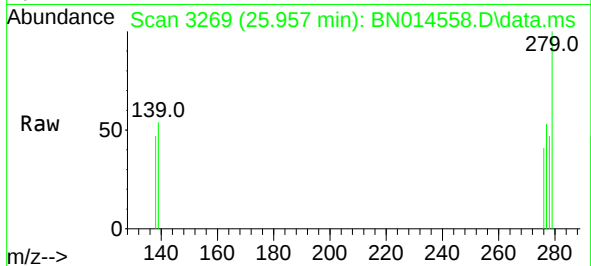




#40
Dibenzo(a,h)anthracene
Concen: 0.61 ng
RT: 25.957 min Scan# 3269
Delta R.T. -0.000 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW8-GW-618-620

Tgt Ion:278 Resp: 2
Ion Ratio Lower Upper
278 100
139 115.3 13.9 20.9#
279 211.9 20.7 31.1#



#41
Benzo(g,h,i)perylene
Concen: 0.62 ng
RT: 26.638 min Scan# 3468
Delta R.T. -0.004 min
Lab File: BN014558.D
Acq: 10 May 2021 15:35

Tgt Ion:276 Resp: 2
Ion Ratio Lower Upper
276 100
277 130.8 19.6 29.4#
138 111.5 17.5 26.3#

