

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020921\
 Data File : BN013607.D
 Acq On : 09 Feb 2021 17:28
 Operator : CG/JU
 Sample : M1335-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-TT-VPB-RW6-GW-318-320

Quant Time: Feb 10 01:47:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN020821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 08 15:13:18 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.555	152	6480	0.40	ng	0.00
7) Naphthalene-d8	10.315	136	25980	0.40	ng	# 0.00
13) Acenaphthene-d10	14.181	164	14279	0.40	ng	0.00
19) Phenanthrene-d10	16.934	188	30848	0.40	ng	# 0.00
29) Chrysene-d12	21.144	240	30682	0.40	ng	# 0.00
36) Perylene-d12	23.308	264	28085	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.179	112	1916	0.14	ng	0.00
5) Phenol-d6	6.734	99	1462	0.08	ng	0.00
8) Nitrobenzene-d5	8.680	82	3906	0.27	ng	-0.01
11) 2-Methylnaphthalene-d10	11.906	152	10341	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.678	330	1328	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.798	172	16777	0.31	ng	0.00
27) Fluoranthene-d10	18.975	212	30901	0.37	ng	0.00
31) Terphenyl-d14	19.585	244	32754	0.48	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.190	88	3622	0.50	ng	# 80
25) Phenanthrene	16.970	178	4344	0.05	ng	96
28) Fluoranthene	19.005	202	3903	0.04	ng	# 98
30) Pyrene	19.367	202	3450	0.04	ng	98
32) Benzo(a)anthracene	21.122	228	2987	0.04	ng	95
33) Chrysene	21.176	228	3235	0.03	ng	97
34) Bis(2-ethylhexyl)phtha...	21.080	149	5372	0.22	ng	96
35) Indeno(1,2,3-cd)pyrene	25.457	276	2414	0.02	ng	# 93
37) Benzo(b)fluoranthene	22.661	252	2608	0.03	ng	# 48
38) Benzo(k)fluoranthene	22.705	252	2821	0.03	ng	# 45
39) Benzo(a)pyrene	23.212	252	2250	0.03	ng	# 18
40) Dibenzo(a,h)anthracene	25.471	278	2267	0.03	ng	# 65
41) Benzo(g,h,i)perylene	26.111	276	2067	0.02	ng	# 80

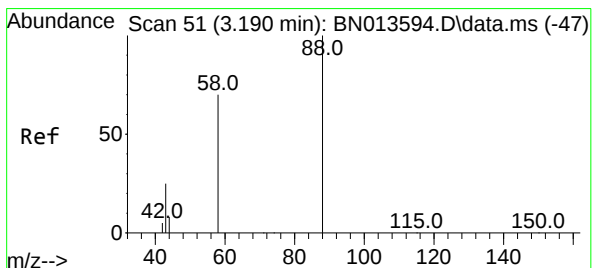
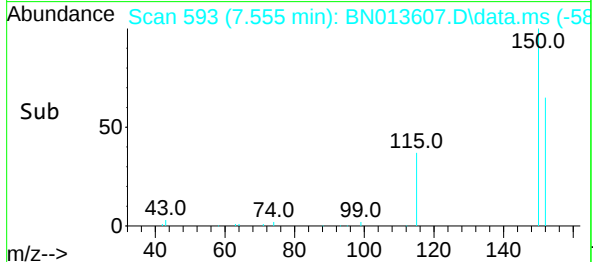
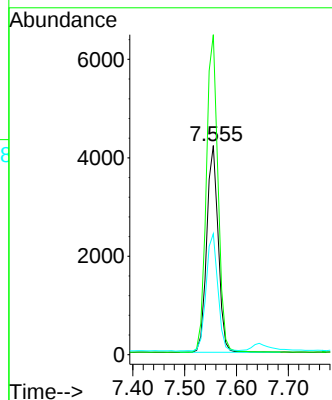
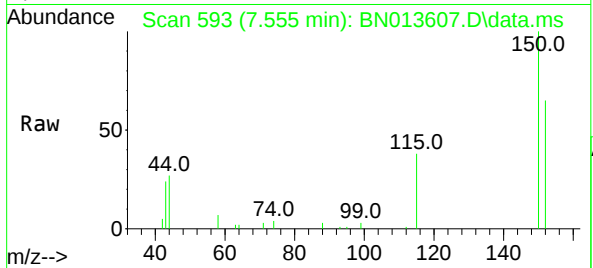
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.555 min Scan# 593
 Delta R.T. 0.000 min
 Lab File: BN013607.D
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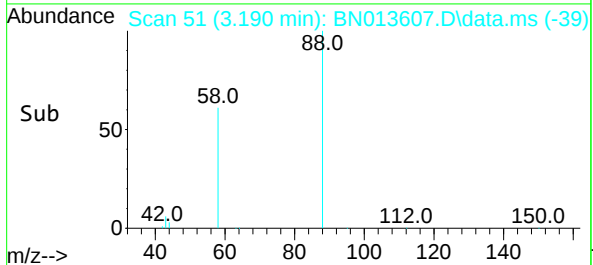
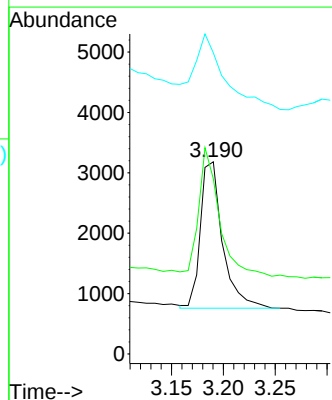
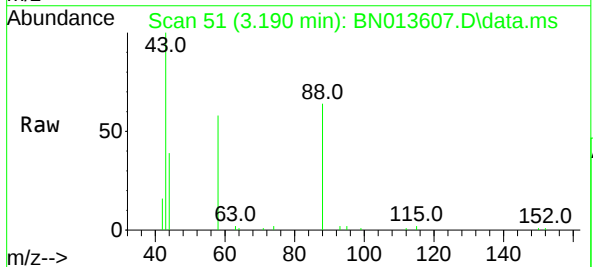
Instrument :
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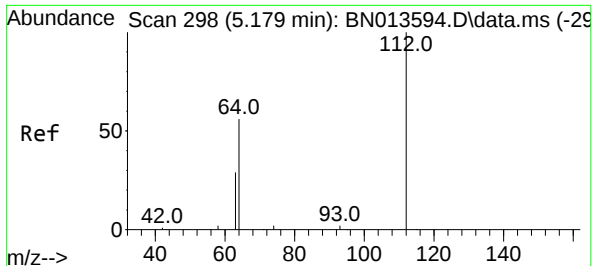
Tgt Ion:152 Resp: 6480
 Ion Ratio Lower Upper
 152 100
 150 153.0 121.8 182.8
 115 57.8 46.6 69.8



#2
 1,4-Dioxane
 Concen: 0.50 ng
 RT: 3.190 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: BN013607.D
 Acq: 09 Feb 2021 17:28

Tgt Ion: 88 Resp: 3622
 Ion Ratio Lower Upper
 88 100
 58 81.3 64.6 96.8
 43 70.6 26.6 40.0#

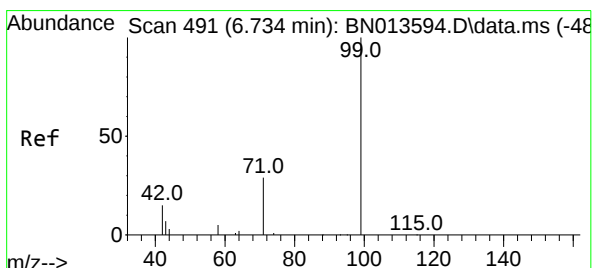
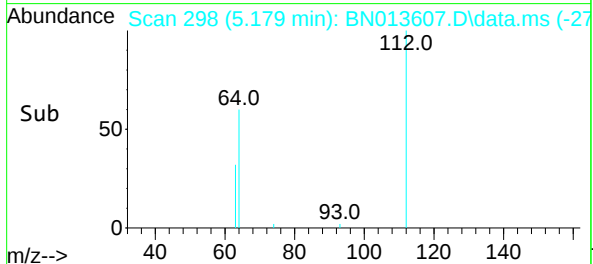
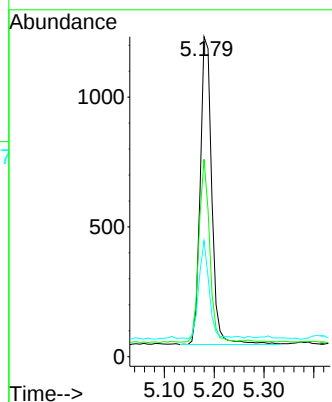
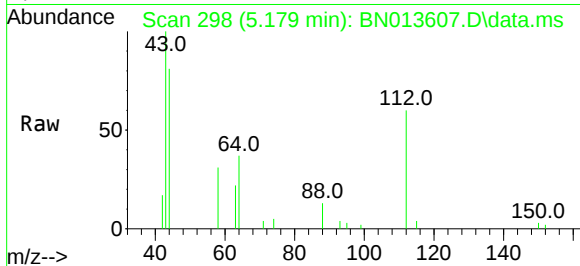




#4
2-Fluorophenol
Concen: 0.14 ng
RT: 5.179 min Scan# 298
Delta R.T. -0.000 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

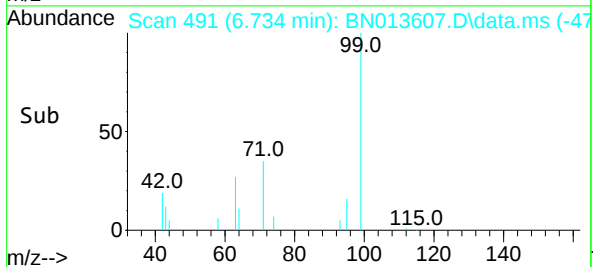
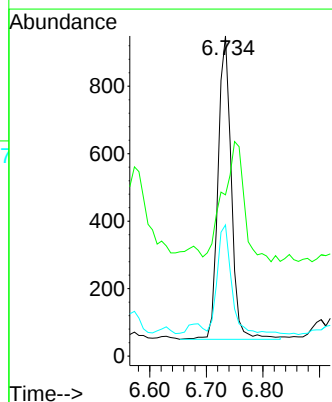
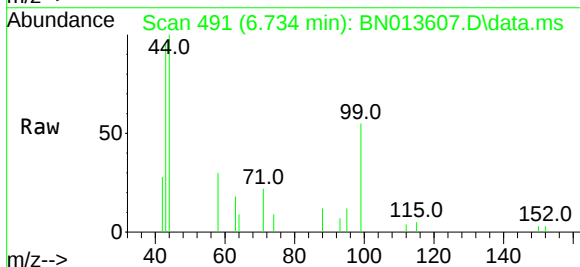
Instrument :
BNA_N
ClientSampleId :
BP-TT-VPB-RW6-GW-318-320

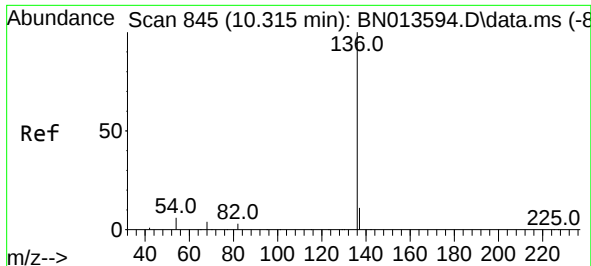
Tgt Ion:	112	Resp:	1916
Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.3	66.5
63	27.8	23.0	34.6



#5
Phenol-d6
Concen: 0.08 ng
RT: 6.734 min Scan# 491
Delta R.T. -0.000 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

Tgt Ion:	99	Resp:	1462
Ion	Ratio	Lower	Upper
99	100		
42	63.7	15.2	22.8#
71	39.9	26.1	39.1#

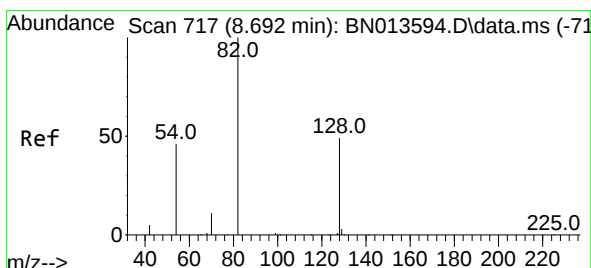
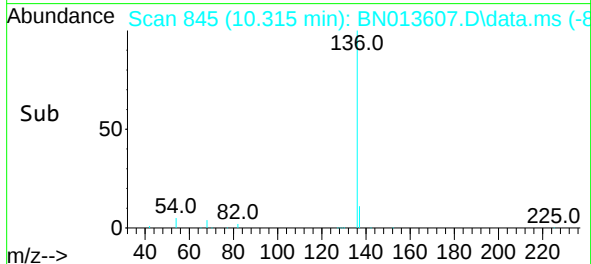
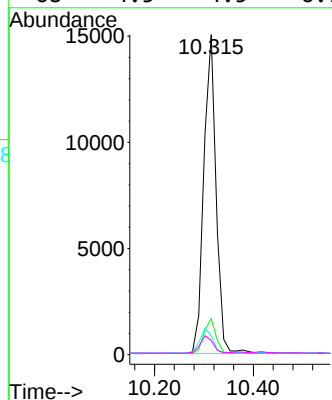
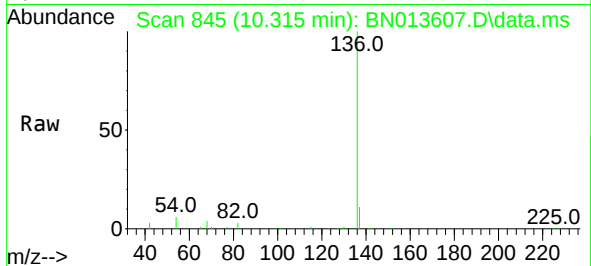




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.315 min Scan# 845
Delta R.T. -0.000 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

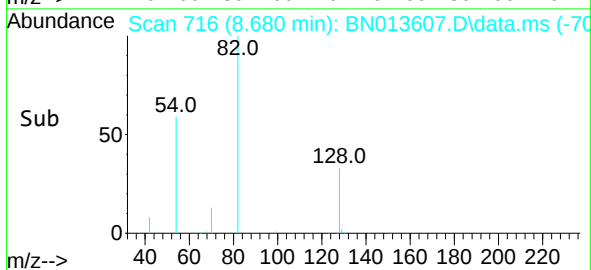
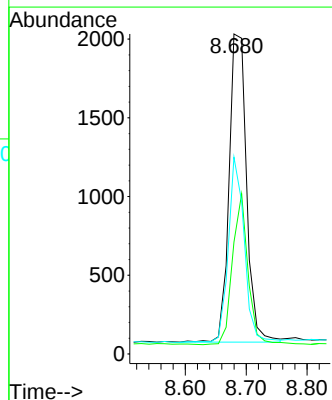
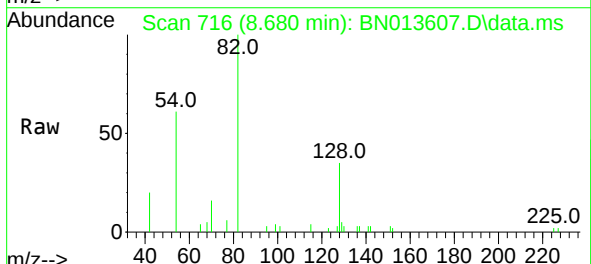
Instrument :
BNA_N
ClientSampleId :
BP-TT-VPB-RW6-GW-318-320

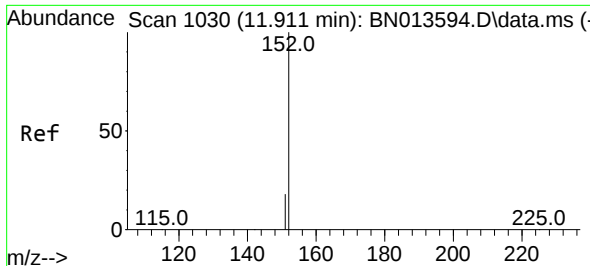
Tgt Ion:	136	Resp:	25980
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	5.8	6.4	9.6#
68	4.5	4.5	6.7#



#8
Nitrobenzene-d5
Concen: 0.27 ng
RT: 8.680 min Scan# 716
Delta R.T. -0.013 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

Tgt Ion:	82	Resp:	3906
Ion Ratio	Lower	Upper	
82	100		
128	35.0	39.2	58.8#
54	61.5	40.1	60.1#

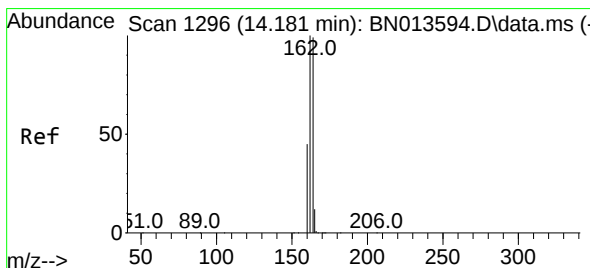
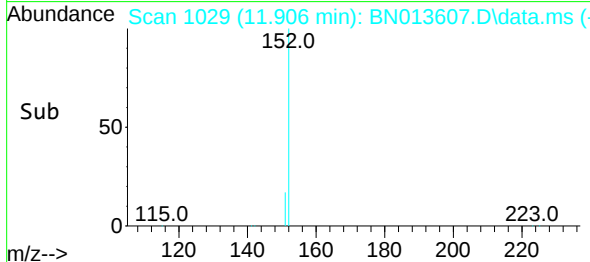
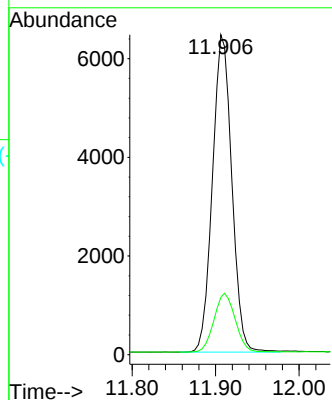
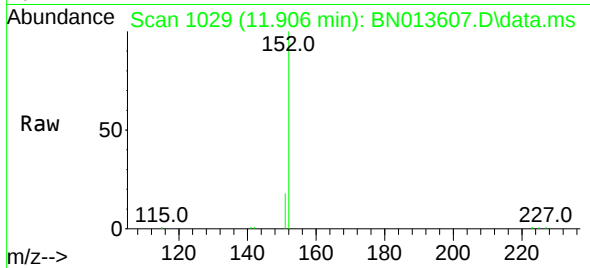




#11
2-Methylnaphthalene-d10
Concen: 0.26 ng
RT: 11.906 min Scan# 1029
Delta R.T. -0.004 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

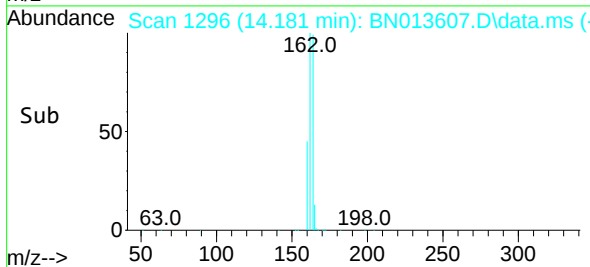
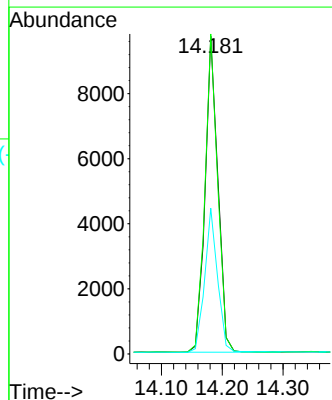
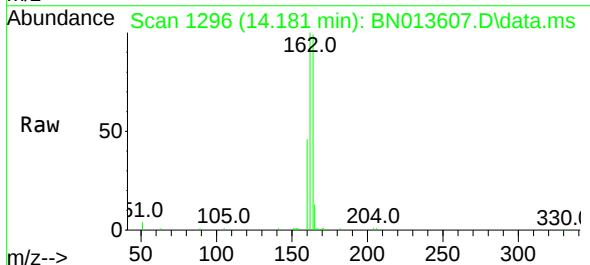
Instrument :
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ClientSampleId :
BP-TT-VPB-RW6-GW-318-320

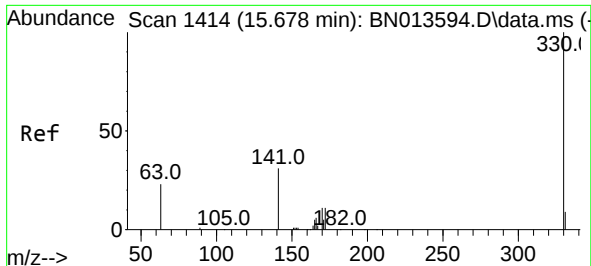
Tgt Ion:152 Resp: 10341
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.181 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

Tgt Ion:164 Resp: 14279
Ion Ratio Lower Upper
164 100
162 100.7 79.6 119.4
160 45.9 36.0 54.0

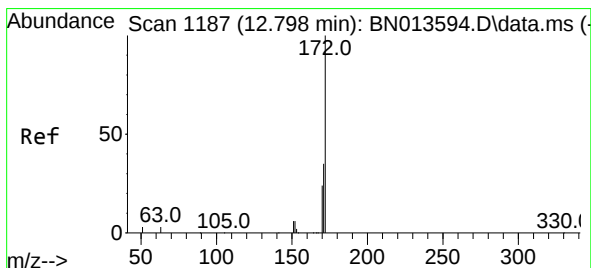
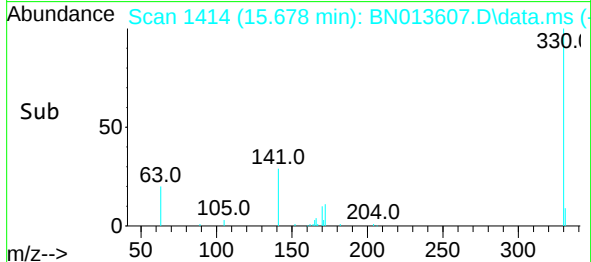
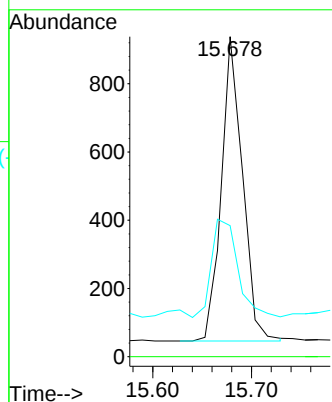
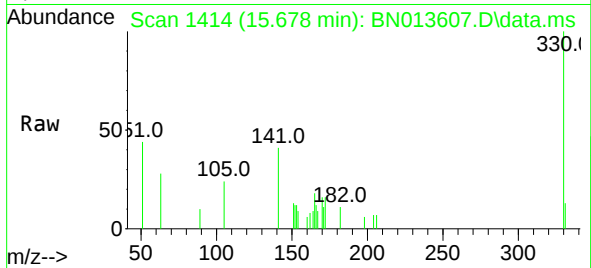




#14
2,4,6-Tribromophenol
Concen: 0.33 ng
RT: 15.678 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

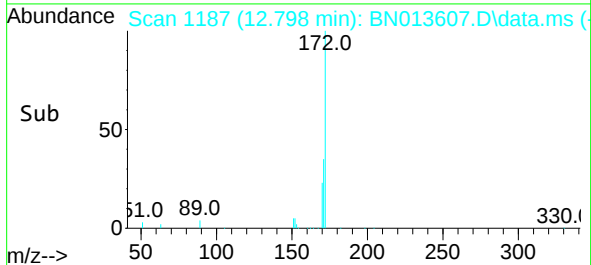
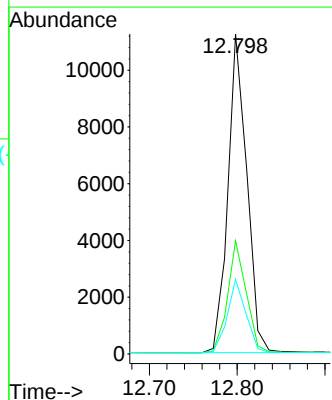
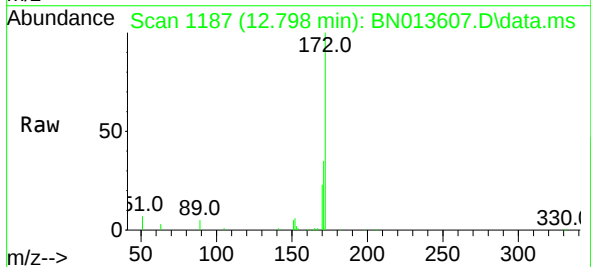
Instrument :
BNA_N
ClientSampleId :
BP-TT-VPB-RW6-GW-318-320

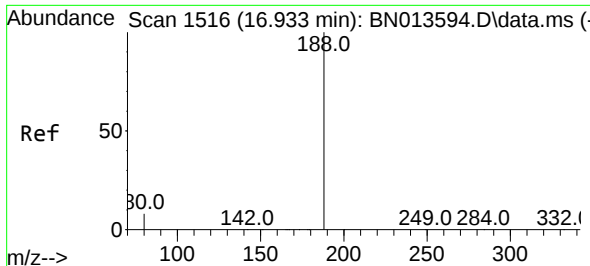
Tgt Ion:330 Resp: 1328
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 41.3 26.8 40.2#



#15
2-Fluorobiphenyl
Concen: 0.31 ng
RT: 12.798 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

Tgt Ion:172 Resp: 16777
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.3 18.9 28.3

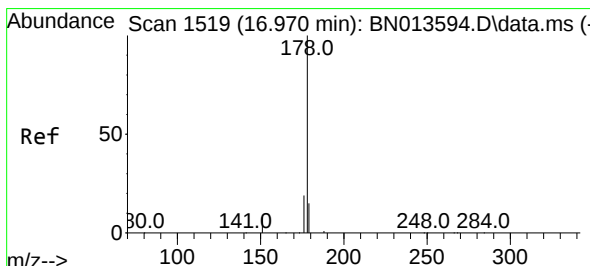
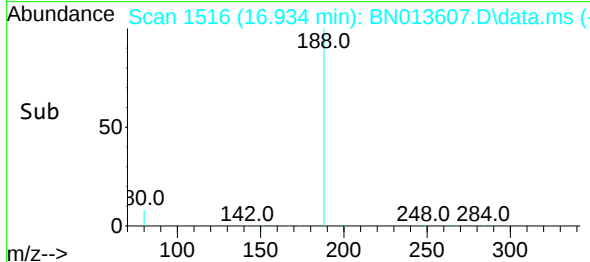
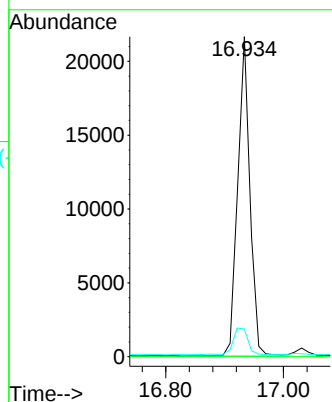
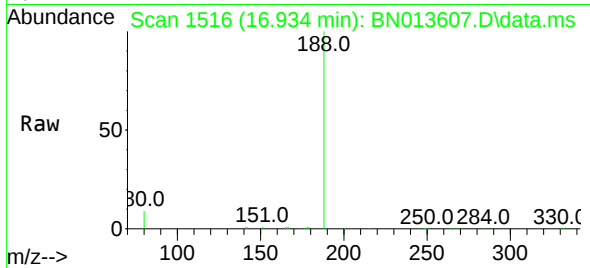




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.934 min Scan# 1516
Delta R.T. 0.001 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

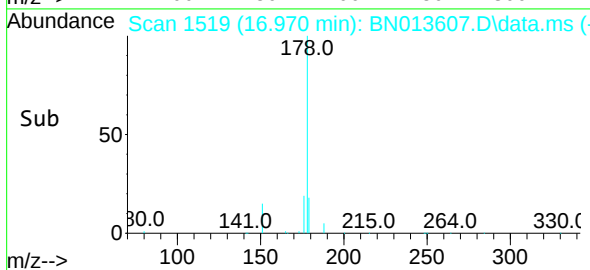
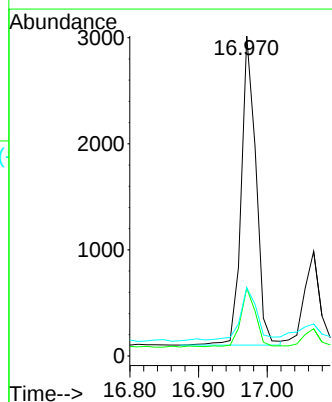
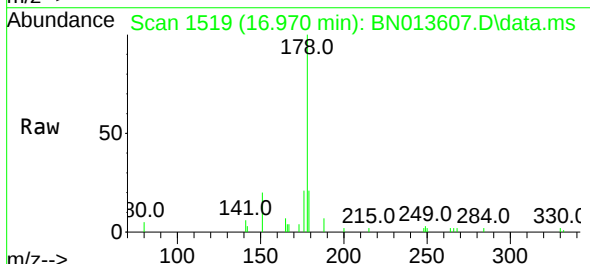
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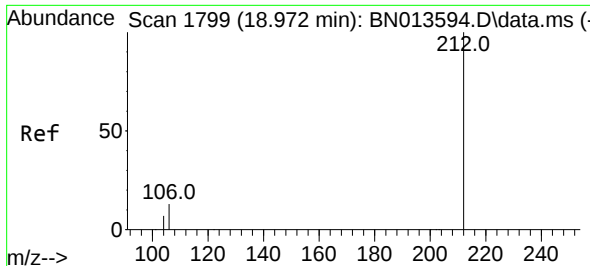
Tgt Ion:188 Resp: 30848
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.7 9.0 13.6#



#25
Phenanthrene
Concen: 0.05 ng
RT: 16.970 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

Tgt Ion:178 Resp: 4344
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.4
179 18.4 12.3 18.5

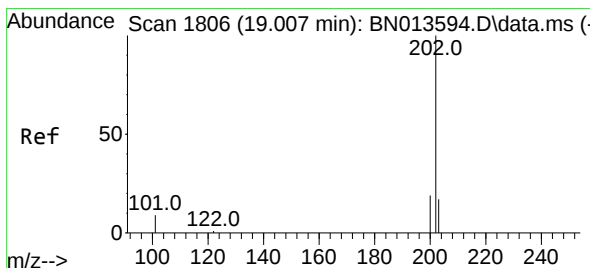
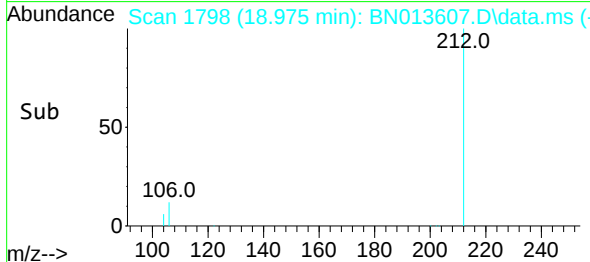
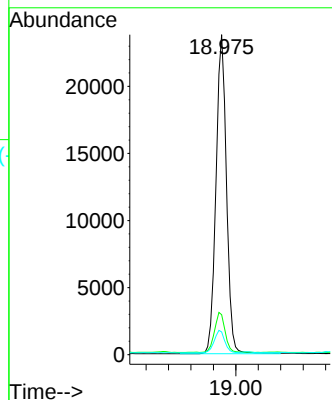
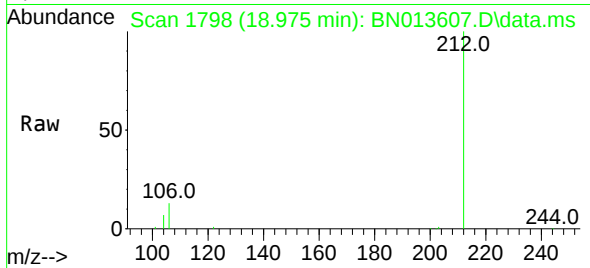




#27
Fluoranthene-d10
Concen: 0.37 ng
RT: 18.975 min Scan# 1798
Delta R.T. 0.003 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

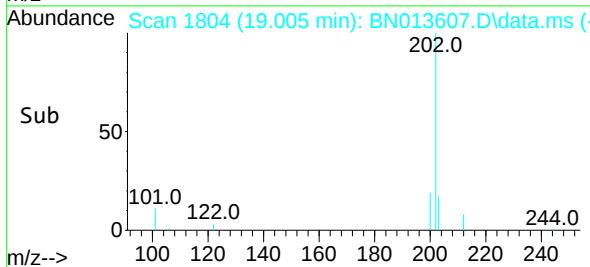
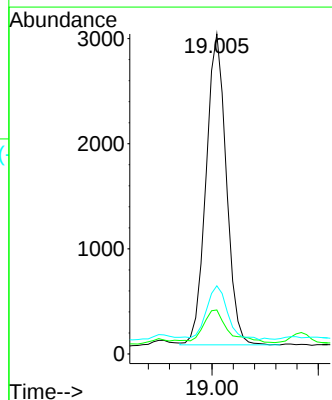
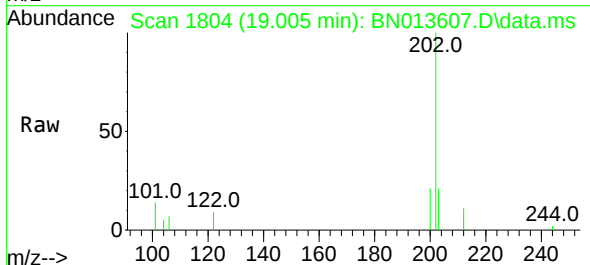
Instrument :
BNA_N
ClientSampleId :
BP-TT-VPB-RW6-GW-318-320

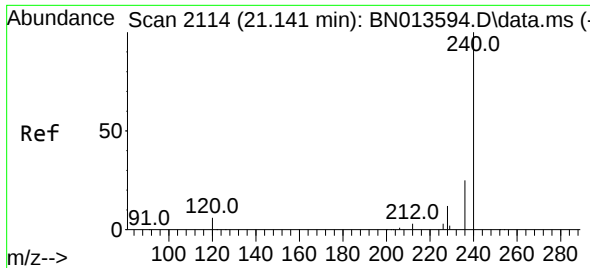
Tgt Ion:212 Resp: 30901
Ion Ratio Lower Upper
212 100
106 12.6 9.7 14.5
104 7.1 5.5 8.3



#28
Fluoranthene
Concen: 0.04 ng
RT: 19.005 min Scan# 1804
Delta R.T. -0.002 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

Tgt Ion:202 Resp: 3903
Ion Ratio Lower Upper
202 100
101 12.3 8.1 12.1#
203 17.5 13.9 20.9

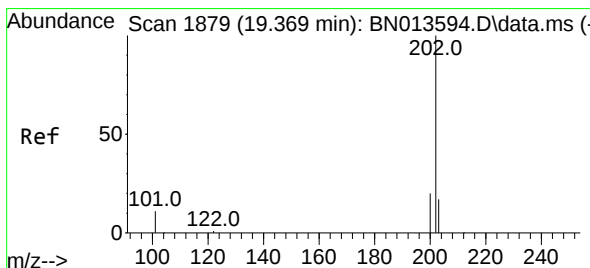
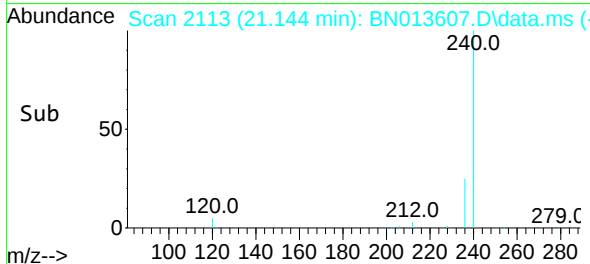
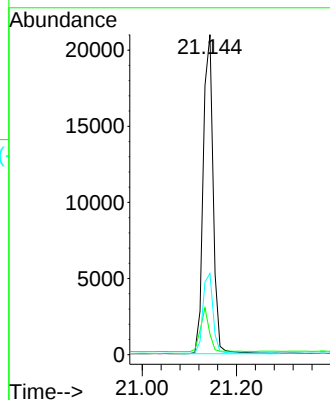
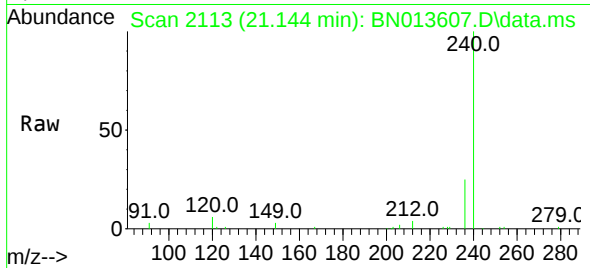




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.144 min Scan# 2113
Delta R.T. 0.003 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

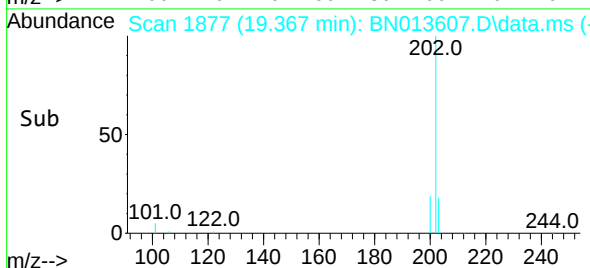
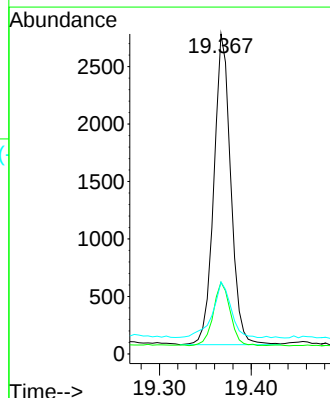
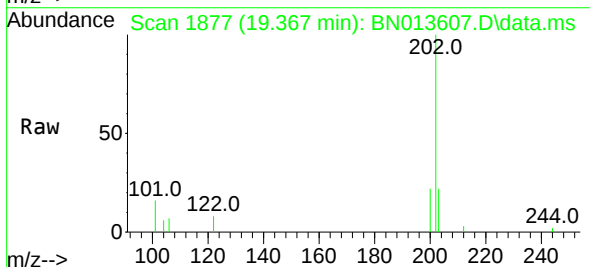
Instrument :
BNA_N
ClientSampleId :
BP-TT-VPB-RW6-GW-318-320

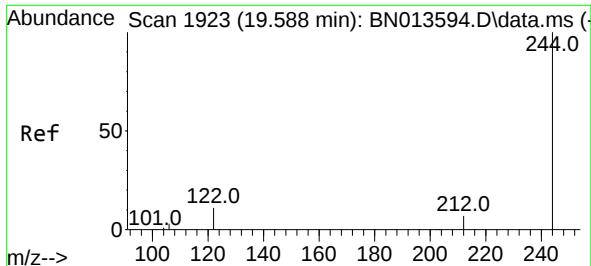
Tgt Ion:240 Resp: 30682
Ion Ratio Lower Upper
240 100
120 6.4 10.2 15.4#
236 25.4 21.3 31.9



#30
Pyrene
Concen: 0.04 ng
RT: 19.367 min Scan# 1877
Delta R.T. -0.002 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

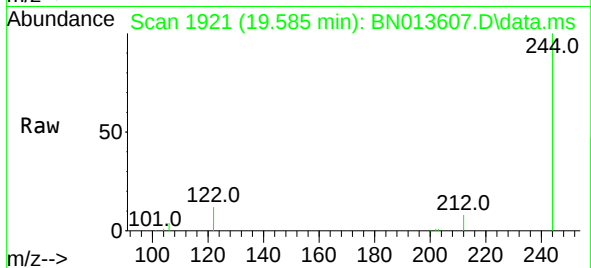
Tgt Ion:202 Resp: 3450
Ion Ratio Lower Upper
202 100
200 20.5 16.3 24.5
203 19.3 14.0 21.0



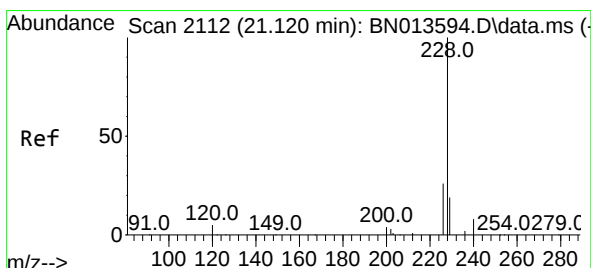
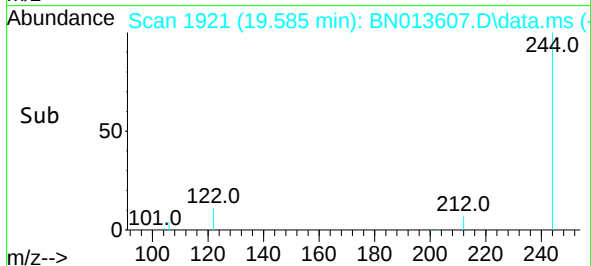
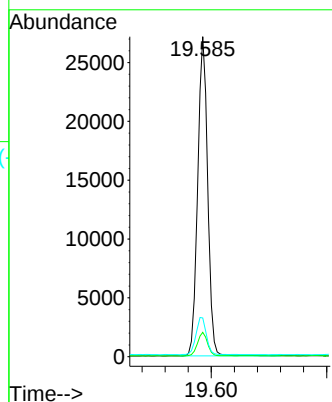


#31
 Terphenyl-d14
 Concen: 0.48 ng
 RT: 19.585 min Scan# 1921
 Delta R.T. -0.002 min
 Lab File: BN013607.D
 Acq: 09 Feb 2021 17:28

Instrument :
 BNA_N
 ClientSampleId :
 BP-TT-VPB-RW6-GW-318-320

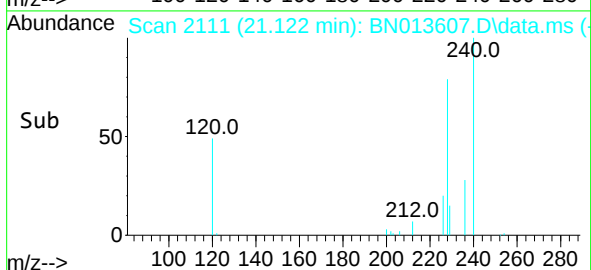
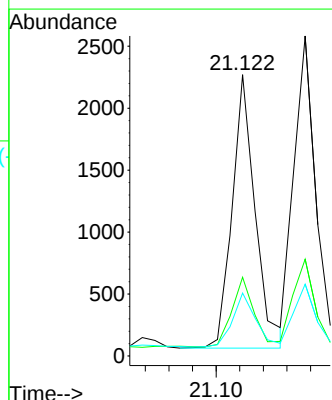
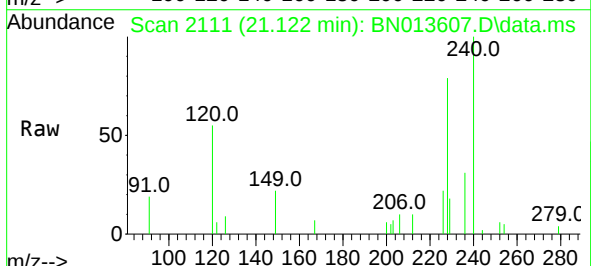


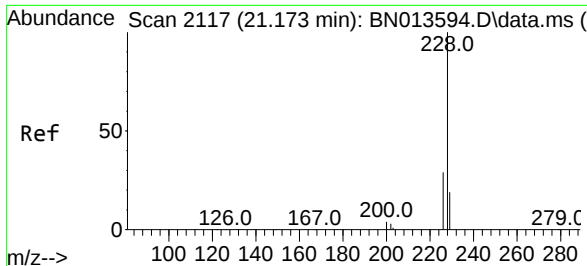
Tgt Ion:244 Resp: 32754
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 12.1 9.8 14.8



#32
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 21.122 min Scan# 2111
 Delta R.T. 0.003 min
 Lab File: BN013607.D
 Acq: 09 Feb 2021 17:28

Tgt Ion:228 Resp: 2987
 Ion Ratio Lower Upper
 228 100
 226 28.0 20.5 30.7
 229 22.4 16.2 24.4

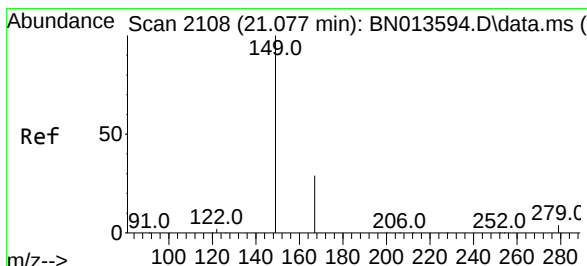
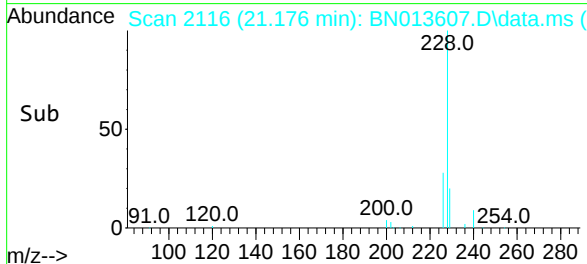
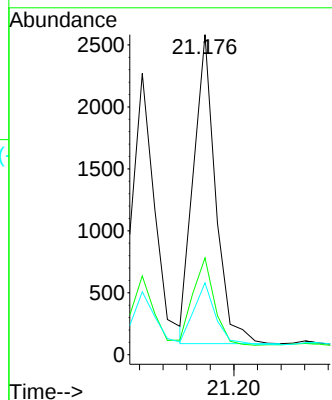
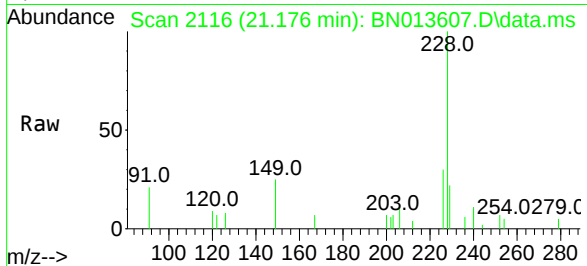




#33
Chrysene
Concen: 0.03 ng
RT: 21.176 min Scan# 2116
Delta R.T. 0.003 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

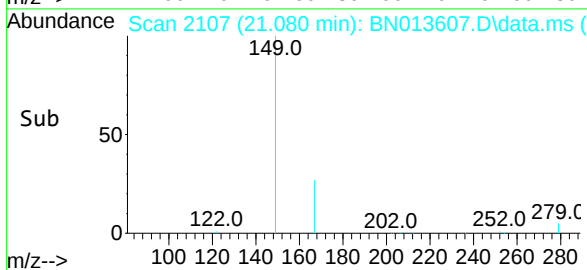
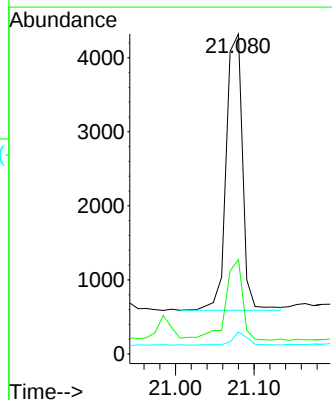
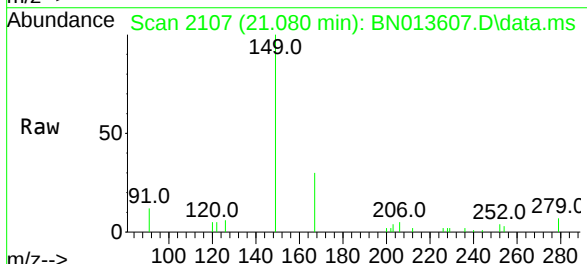
Instrument :
BNA_N
ClientSampleId :
BP-TT-VPB-RW6-GW-318-320

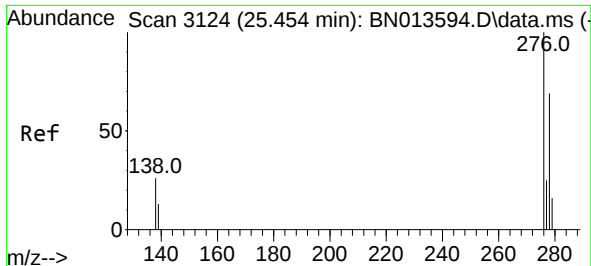
Tgt Ion:228	Resp:	3235
Ion Ratio	Lower	Upper
228	100	
226	30.3	24.3 36.5
229	22.5	15.1 22.7



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.22 ng
RT: 21.080 min Scan# 2107
Delta R.T. 0.003 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

Tgt Ion:149	Resp:	5372
Ion Ratio	Lower	Upper
149	100	
167	29.8	22.1 33.1
279	4.5	3.5 5.3

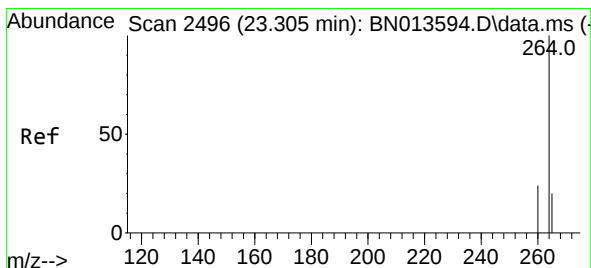
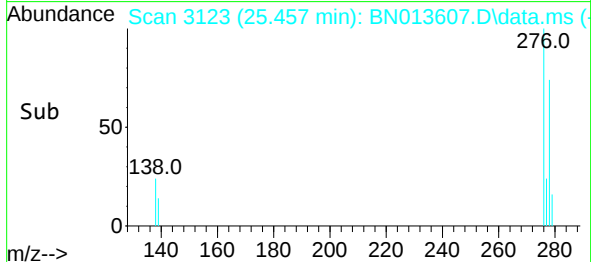
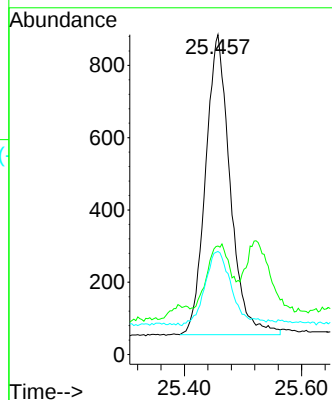
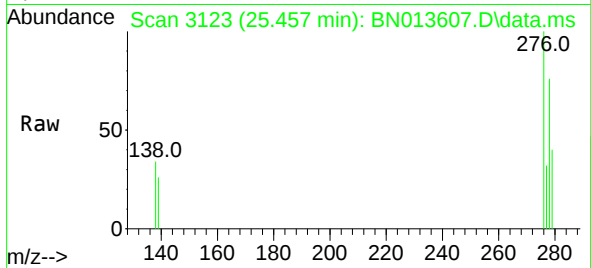




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 25.457 min Scan# 3123
Delta R.T. 0.003 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

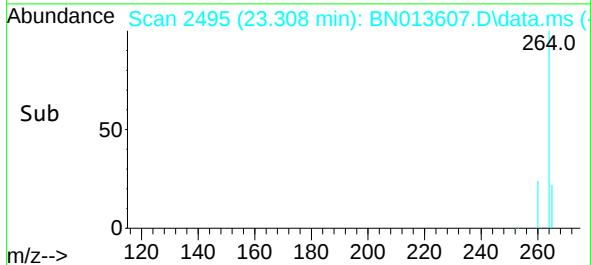
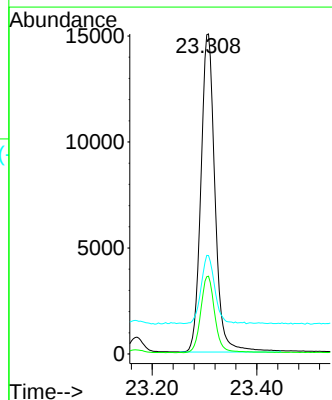
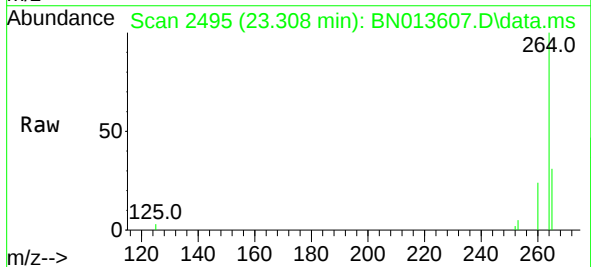
Instrument :
BNA_N
ClientSampleId :
BP-TT-VPB-RW6-GW-318-320

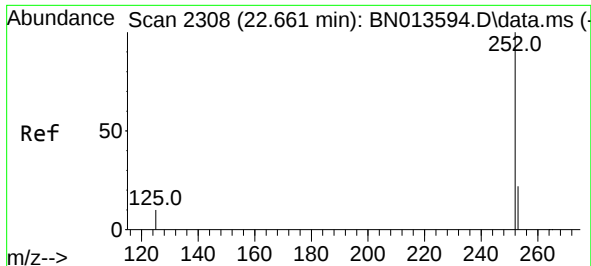
Tgt Ion:276 Resp: 2414
Ion Ratio Lower Upper
276 100
138 19.3 19.8 29.6#
277 26.1 19.9 29.9



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.308 min Scan# 2495
Delta R.T. 0.003 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

Tgt Ion:264 Resp: 28085
Ion Ratio Lower Upper
264 100
260 24.3 19.3 28.9
265 30.8 66.2 99.4#

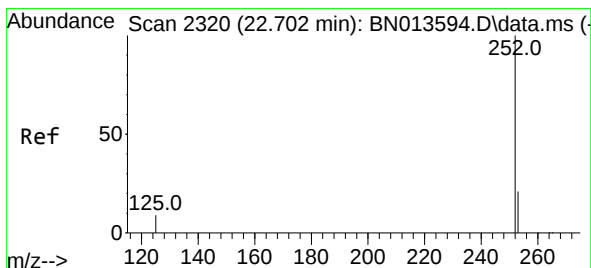
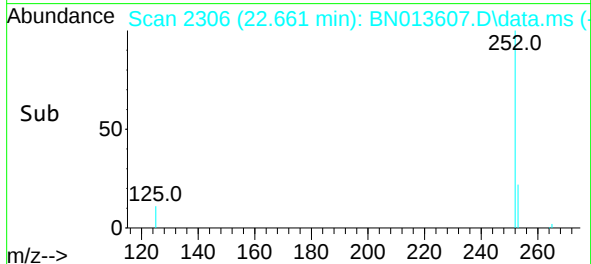
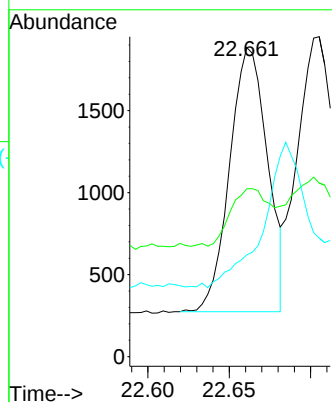
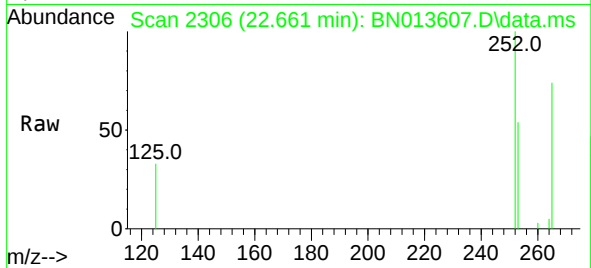




#37
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.661 min Scan# 2306
Delta R.T. -0.001 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

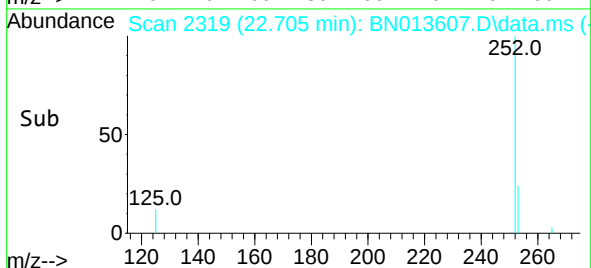
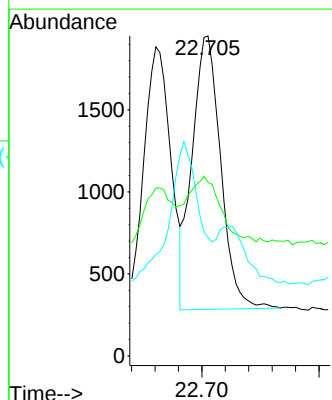
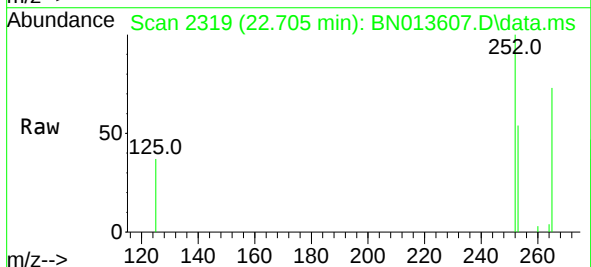
Instrument :
BNA_N
ClientSampleId :
BP-TT-VPB-RW6-GW-318-320

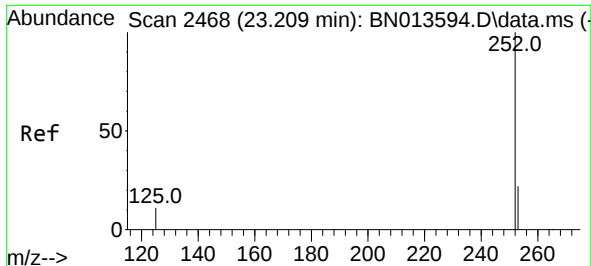
Tgt Ion:252 Resp: 2608
Ion Ratio Lower Upper
252 100
253 54.3 20.4 30.6#
125 32.9 11.6 17.4#



#38
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 22.705 min Scan# 2319
Delta R.T. 0.003 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

Tgt Ion:252 Resp: 2821
Ion Ratio Lower Upper
252 100
253 54.2 20.5 30.7#
125 37.1 12.3 18.5#





#39

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.212 min Scan# 2467

Delta R.T. 0.003 min

Lab File: BN013607.D

Acq: 09 Feb 2021 17:28

Tgt Ion:252 Resp: 2250

Ion Ratio Lower Upper

252 100

253 70.3 21.8 32.6#

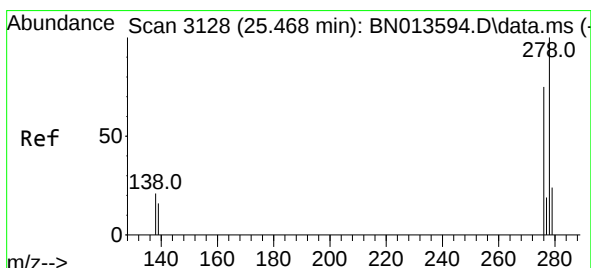
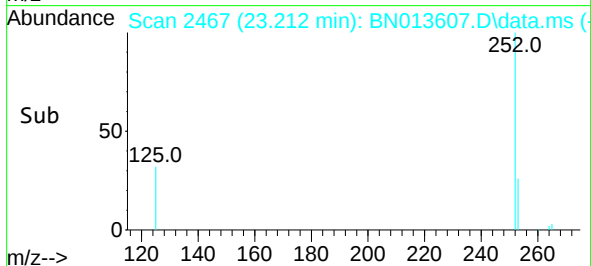
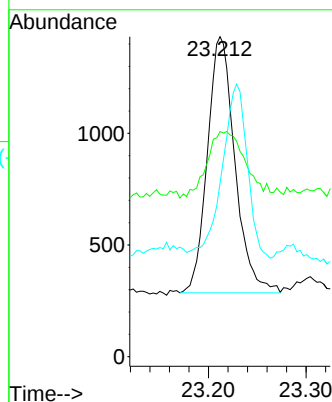
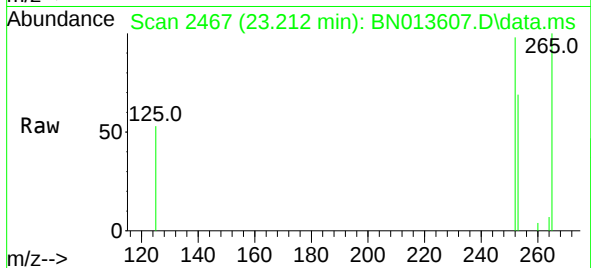
125 54.2 14.6 21.8#

Instrument :

BNA_N

ClientSampleId :

BP-TT-VPB-RW6-GW-318-320



#40

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 25.471 min Scan# 3127

Delta R.T. 0.003 min

Lab File: BN013607.D

Acq: 09 Feb 2021 17:28

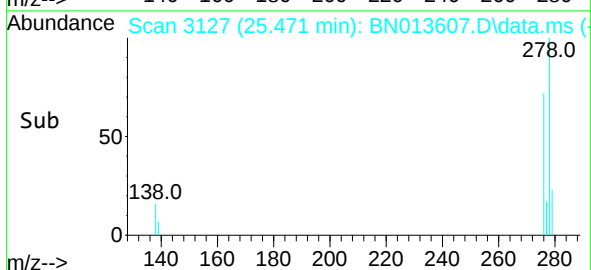
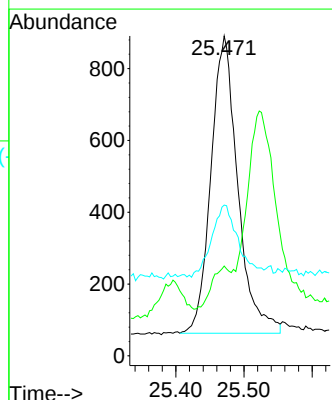
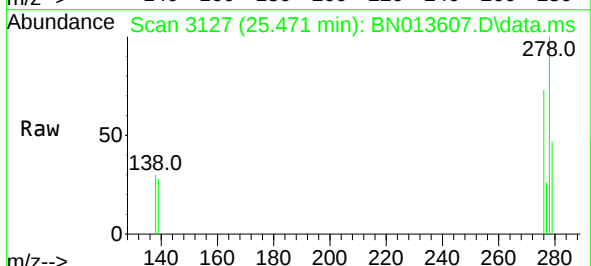
Tgt Ion:278 Resp: 2267

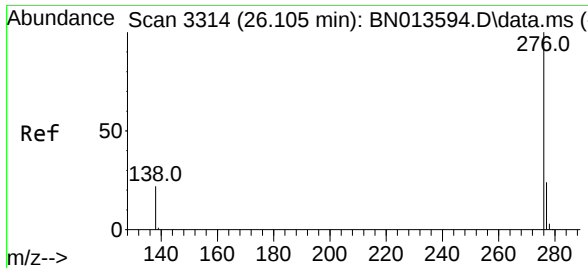
Ion Ratio Lower Upper

278 100

139 28.1 13.1 19.7#

279 47.1 21.4 32.0#





#41
Benzo(g,h,i)perylene
Concen: 0.02 ng
RT: 26.111 min Scan# 3314
Delta R.T. 0.006 min
Lab File: BN013607.D
Acq: 09 Feb 2021 17:28

Instrument :
BNA_N
ClientSampleId :
BP-TT-VPB-RW6-GW-318-320

Tgt Ion:276 Resp: 2067
Ion Ratio Lower Upper
276 100
277 34.1 20.0 30.0#
138 32.9 17.8 26.8#

