

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111621\
 Data File : BN017472.D
 Acq On : 16 Nov 2021 12:30
 Operator : CG/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Nov 16 13:05:46 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 16 11:40:41 2021
 Response via : Initial Calibration

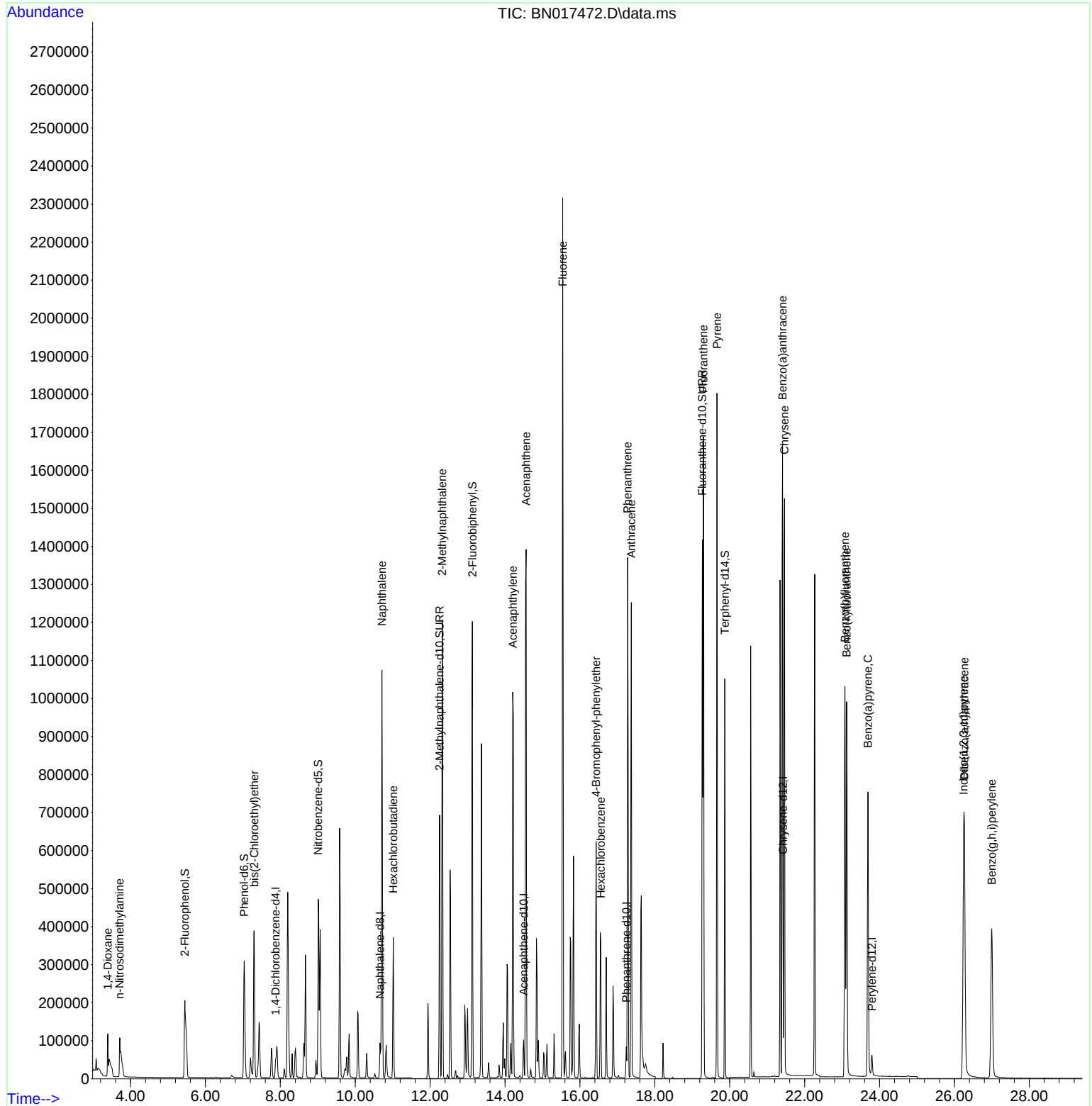
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	29771	0.400	ng	0.00
7) Naphthalene-d8	10.661	136	118230	0.400	ng	# 0.00
13) Acenaphthene-d10	14.498	164	61394	0.400	ng	0.00
19) Phenanthrene-d10	17.238	188	106083	0.400	ng	0.00
29) Chrysene-d12	21.420	240	90844	0.400	ng	# 0.00
35) Perylene-d12	23.797	264	74364	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.449	112	335347	4.885	ng	0.00
5) Phenol-d6	7.035	99	368047	4.868	ng	0.00
8) Nitrobenzene-d5	9.014	82	416091	5.865	ng	0.00
11) 2-Methylnaphthalene-d10	12.253	152	924508	5.311	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	13.128	172	1098699	4.705	ng	0.00
27) Fluoranthene-d10	19.268	212	1592100	5.886	ng	0.00
31) Terphenyl-d14	19.868	244	1056847	5.222	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.393	88	66660	3.999	ng	98
3) n-Nitrosodimethylamine	3.706	42	128202	5.013	ng	95
6) bis(2-Chloroethyl)ether	7.303	93	367631	4.615	ng	94
9) Naphthalene	10.712	128	1404594	4.509	ng	100
10) Hexachlorobutadiene	11.016	225	300337	4.918	ng	# 100
12) 2-Methylnaphthalene	12.324	142	873260	4.260	ng	98
16) Acenaphthylene	14.207	152	1268976	5.071	ng	100
17) Acenaphthene	14.562	154	820119	4.759	ng	96
18) Fluorene	15.539	166	936475	4.550	ng	100
21) 4-Bromophenyl-phenylether	16.435	248	311370	5.240	ng	# 71
22) Hexachlorobenzene	16.556	284	334441	5.021	ng	99
25) Phenanthrene	17.274	178	1412496	4.647	ng	100
26) Anthracene	17.372	178	1296216	5.119	ng	100
28) Fluoranthene	19.298	202	1522007	4.641	ng	99
30) Pyrene	19.660	202	1581099	5.387	ng	100
32) Benzo(a)anthracene	21.409	228	1472957	5.344	ng	98
33) Chrysene	21.462	228	1420545	4.843	ng	99
36) Indeno(1,2,3-cd)pyrene	26.245	276	1000204	3.842	ng	99
37) Benzo(b)fluoranthene	23.075	252	1362581	5.605	ng	100
38) Benzo(k)fluoranthene	23.123	252	1259589	5.180	ng	99
39) Benzo(a)pyrene	23.691	252	1143897	5.316	ng	99
40) Dibenzo(a,h)anthracene	26.265	278	779322	3.721	ng	99
41) Benzo(g,h,i)perylene	26.998	276	893469	3.956	ng	99

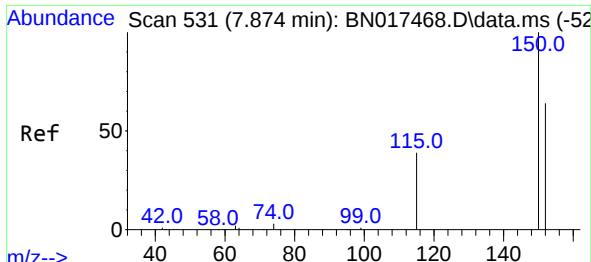
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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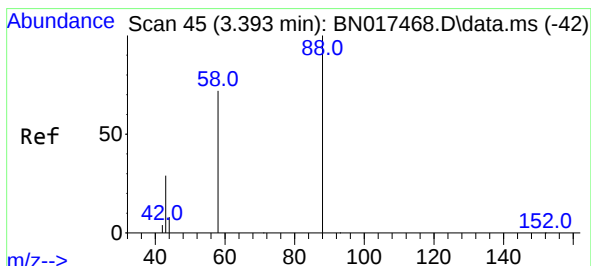
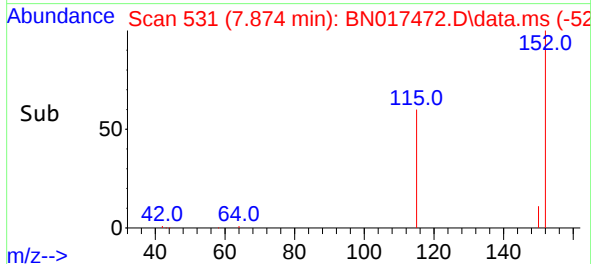
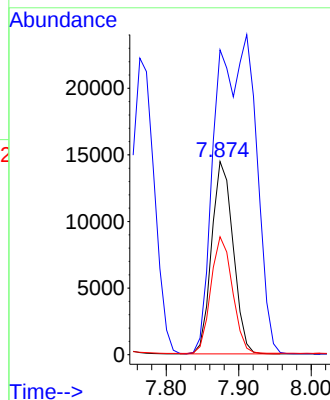
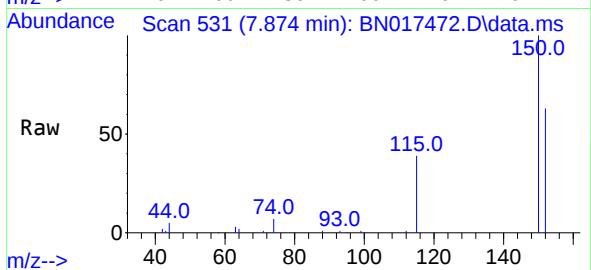




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.874 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

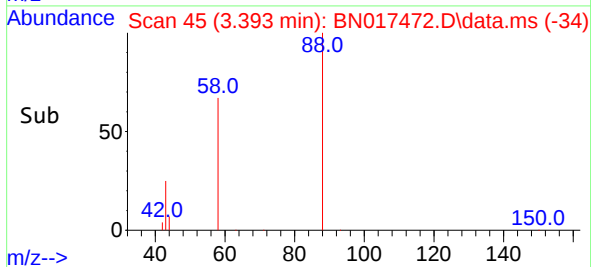
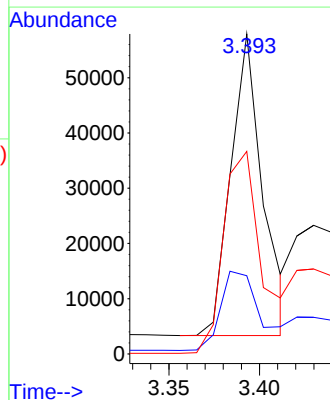
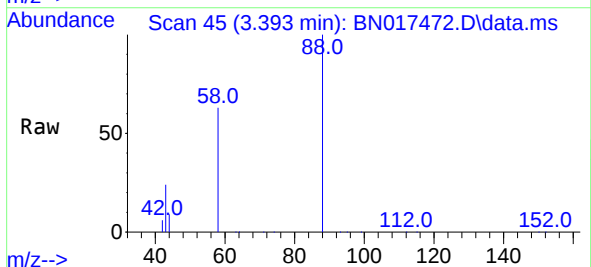
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

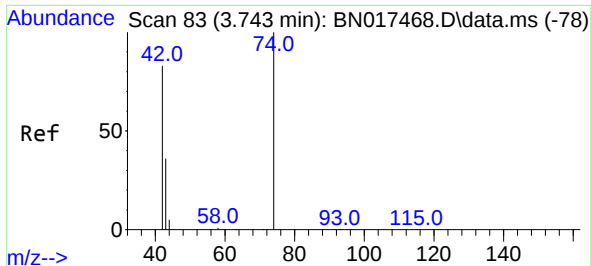
Tgt Ion:152 Resp: 29771
Ion Ratio Lower Upper
152 100
150 157.8 123.0 184.4
115 61.1 45.6 68.4



#2
1,4-Dioxane
Concen: 3.999 ng
RT: 3.393 min Scan# 45
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion: 88 Resp: 66660
Ion Ratio Lower Upper
88 100
43 32.5 24.7 37.1
58 79.9 63.0 94.6

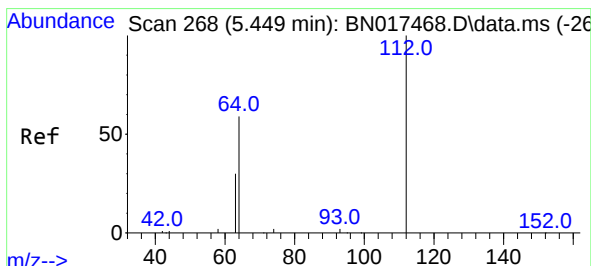
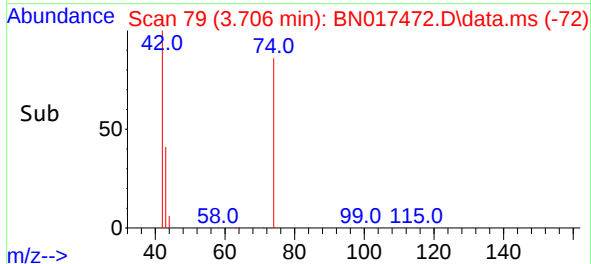
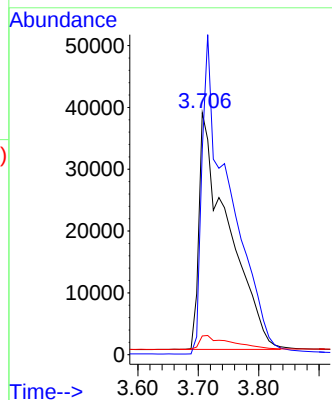
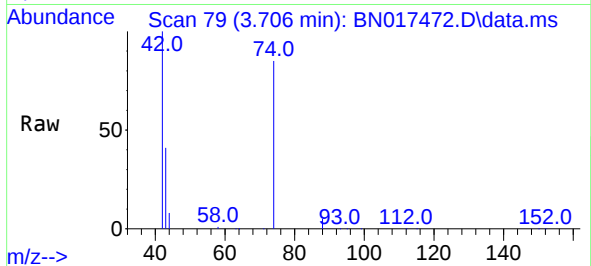




#3
n-Nitrosodimethylamine
Concen: 5.013 ng
RT: 3.706 min Scan# 79
Delta R.T. -0.037 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

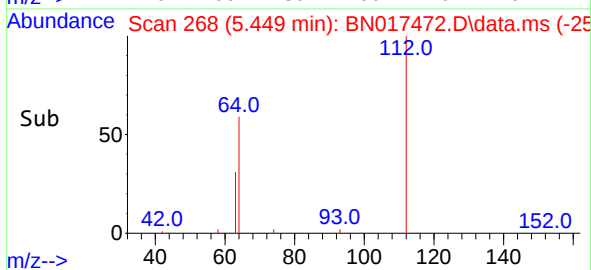
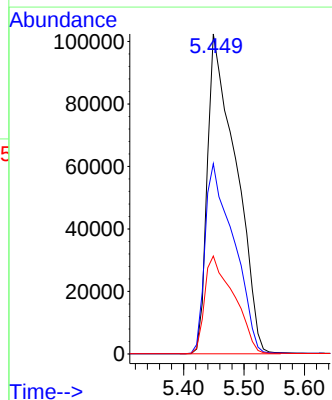
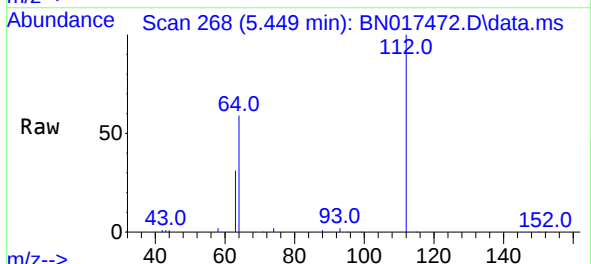
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ClientSampleId :
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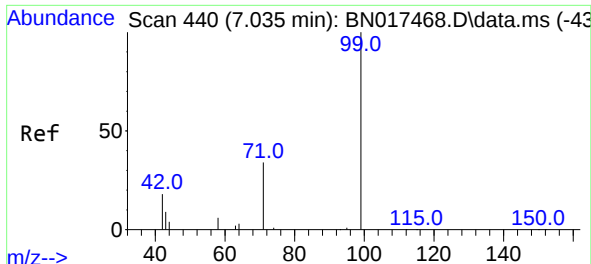
Tgt Ion: 42 Resp: 128202
Ion Ratio Lower Upper
42 100
74 127.8 97.8 146.6
44 6.3 5.5 8.3



#4
2-Fluorophenol
Concen: 4.885 ng
RT: 5.449 min Scan# 268
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion: 112 Resp: 335347
Ion Ratio Lower Upper
112 100
64 60.1 47.6 71.4
63 31.2 24.6 37.0

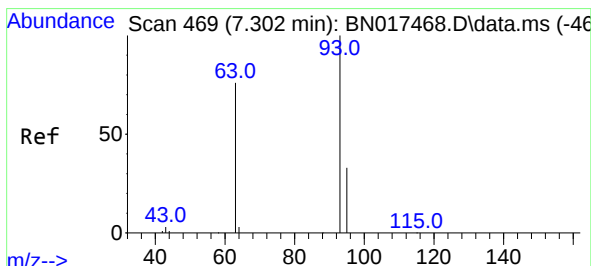
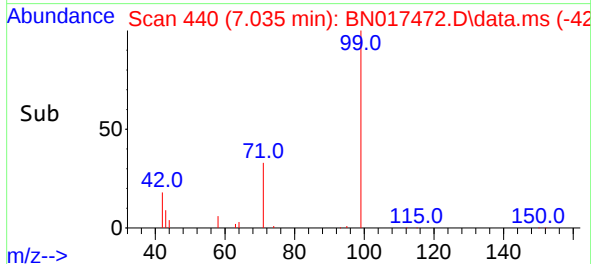
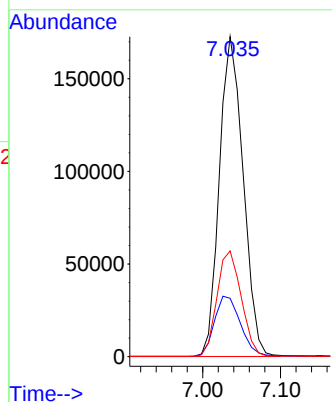
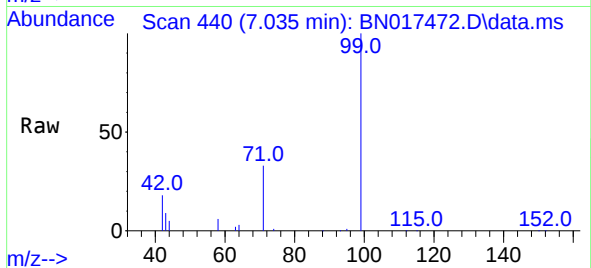




#5
Phenol-d6
Concen: 4.868 ng
RT: 7.035 min Scan# 440
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

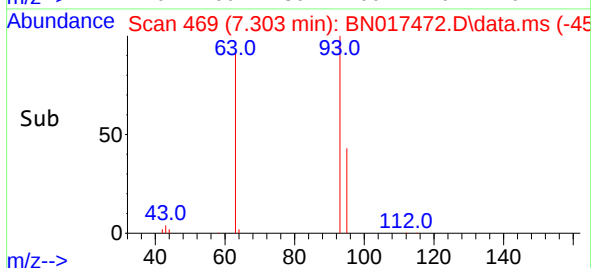
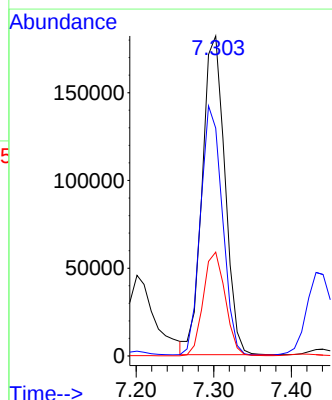
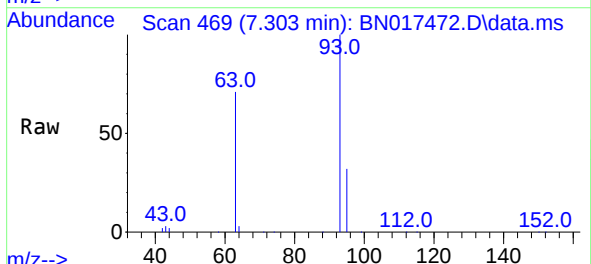
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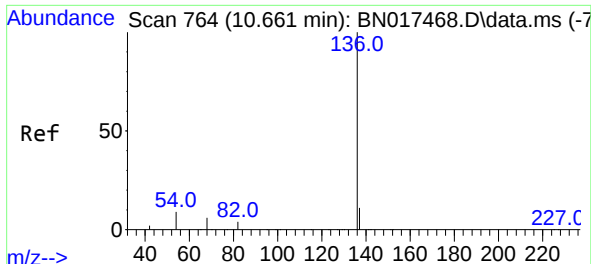
Tgt Ion: 99 Resp: 368047
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 33.6 24.8 37.2



#6
bis(2-Chloroethyl)ether
Concen: 4.615 ng
RT: 7.303 min Scan# 469
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion: 93 Resp: 367631
Ion Ratio Lower Upper
93 100
63 75.6 65.8 98.6
95 31.6 26.6 39.8

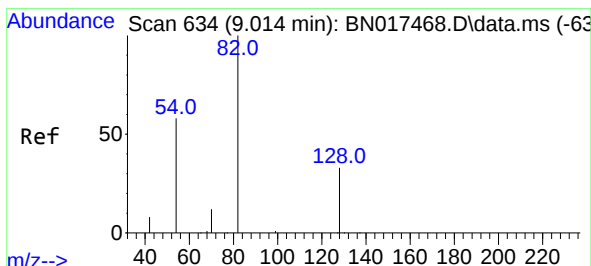
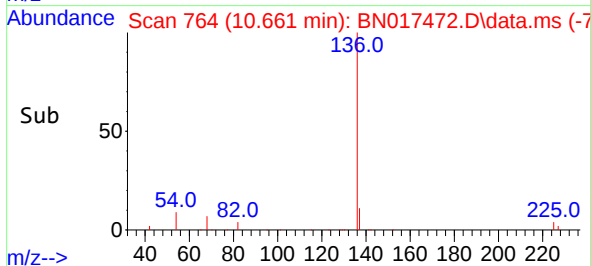
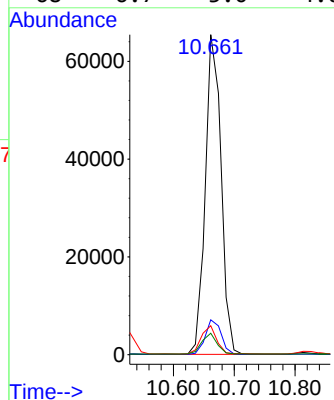
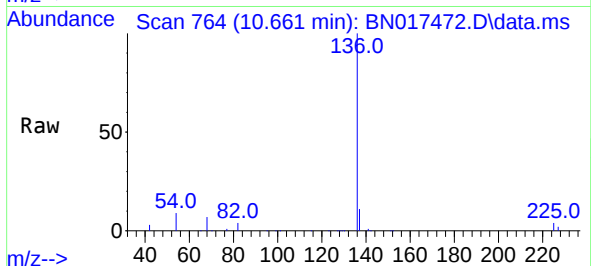




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.661 min Scan# 764
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

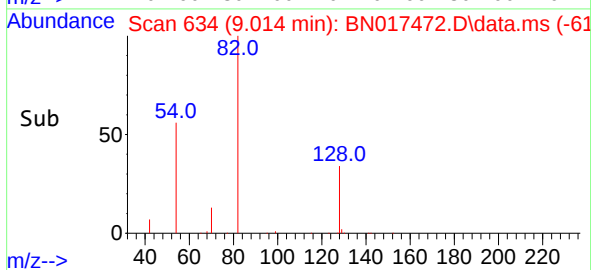
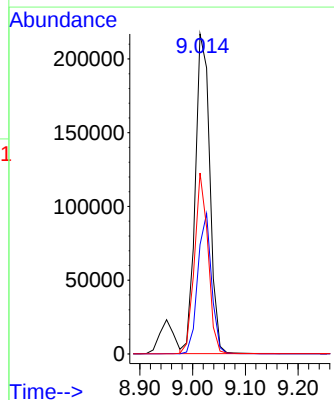
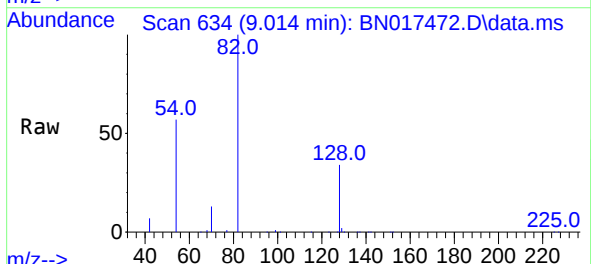
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ClientSampleId :
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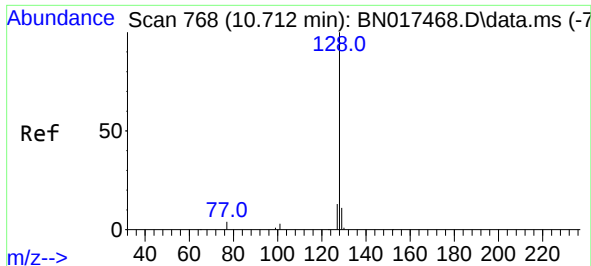
Tgt Ion:136 Resp: 118230
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.0 4.0 6.0#
68 6.7 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 5.865 ng
RT: 9.014 min Scan# 634
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion: 82 Resp: 416091
Ion Ratio Lower Upper
82 100
128 34.2 27.7 41.5
54 56.5 49.2 73.8

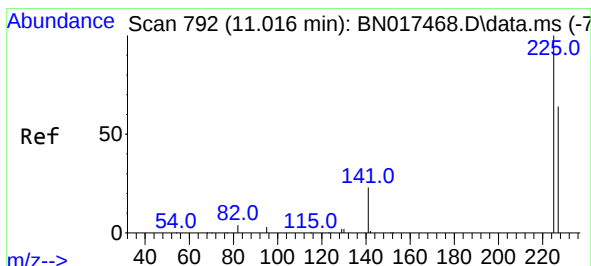
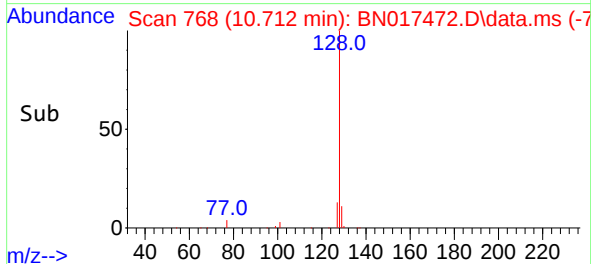
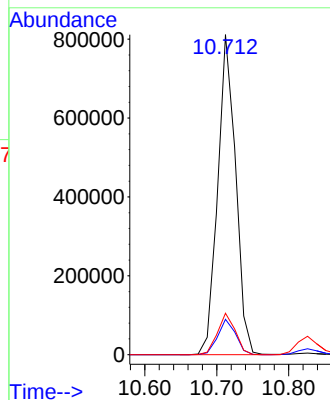
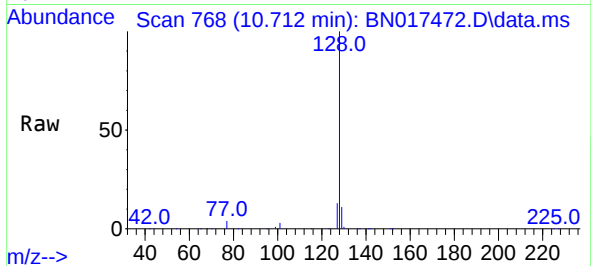




#9
Naphthalene
Concen: 4.509 ng
RT: 10.712 min Scan# 768
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

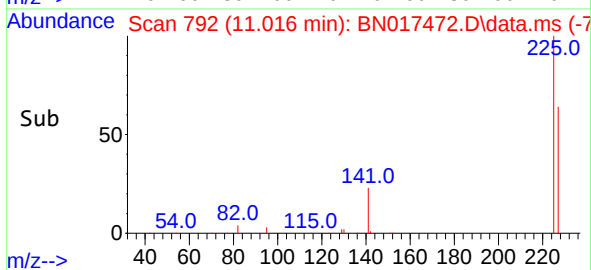
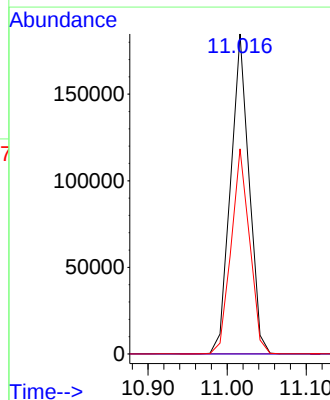
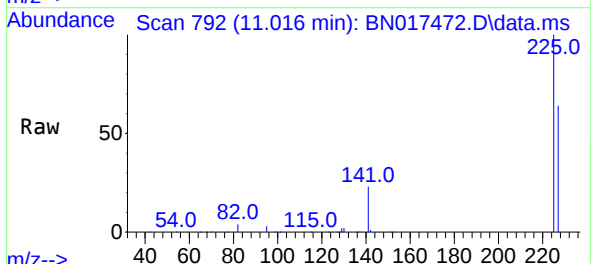
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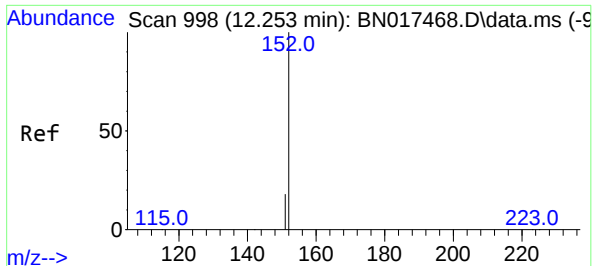
Tgt Ion:128 Resp: 1404594
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.9 10.6 15.8



#10
Hexachlorobutadiene
Concen: 4.918 ng
RT: 11.016 min Scan# 792
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:225 Resp: 300337
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 51.1 76.7

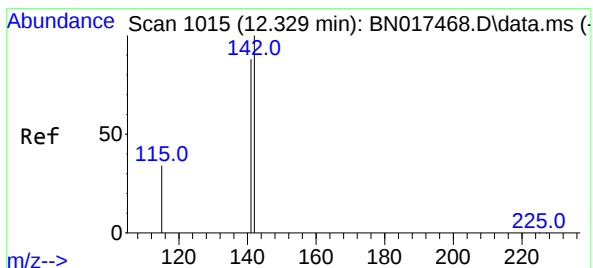
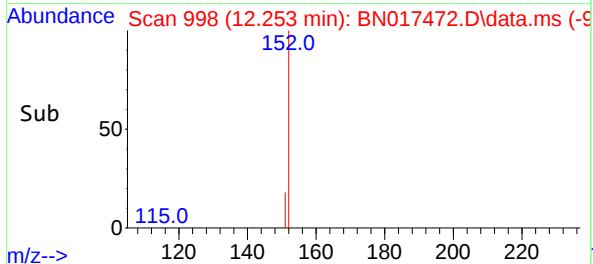
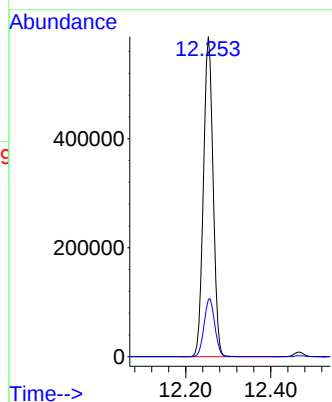
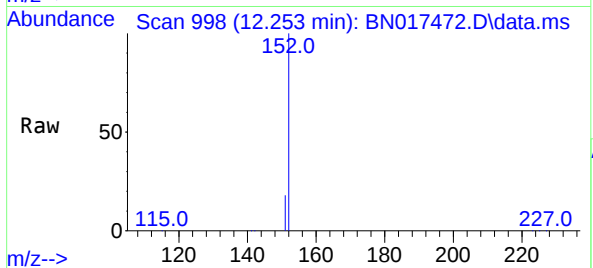




#11
2-Methylnaphthalene-d10
Concen: 5.311 ng
RT: 12.253 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

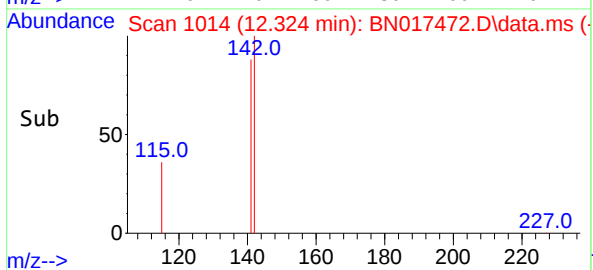
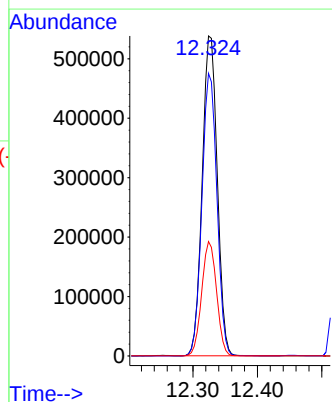
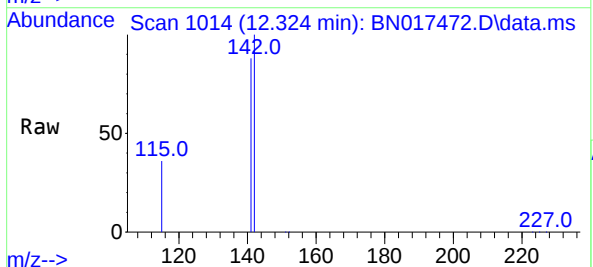
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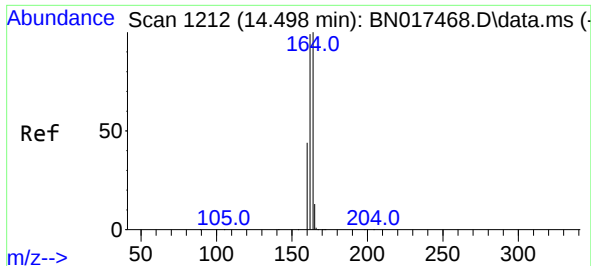
Tgt Ion:152 Resp: 924508
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4



#12
2-Methylnaphthalene
Concen: 4.260 ng
RT: 12.324 min Scan# 1014
Delta R.T. -0.004 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:142 Resp: 873260
Ion Ratio Lower Upper
142 100
141 88.3 70.6 106.0
115 35.7 25.8 38.6

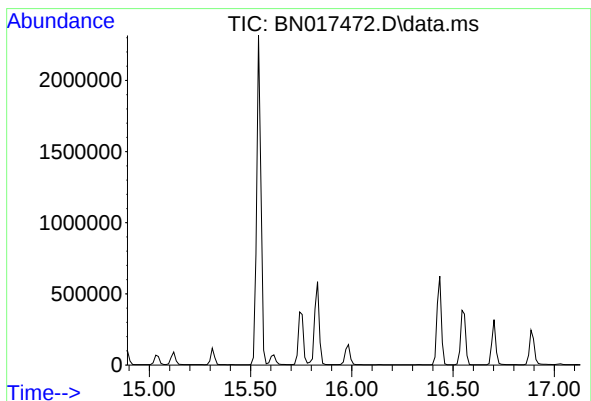
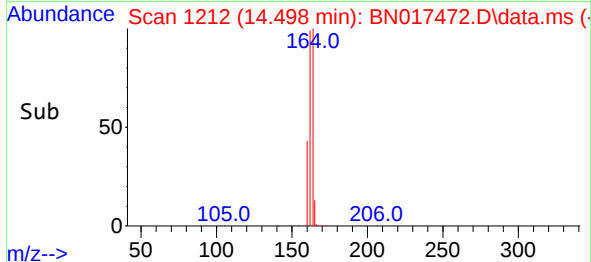
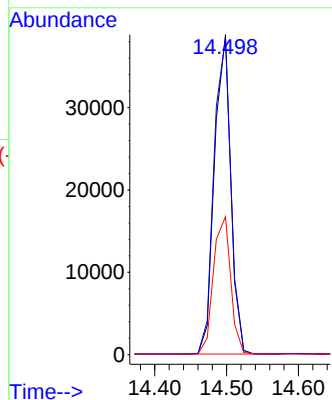
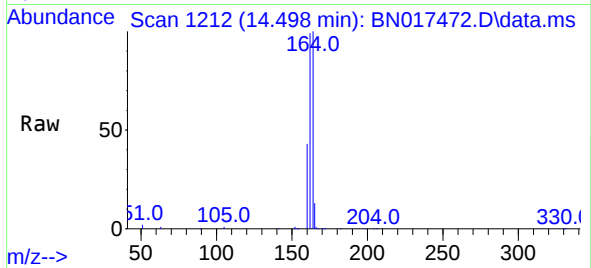




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.498 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN017472.D
 Acq: 16 Nov 2021 12:30

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

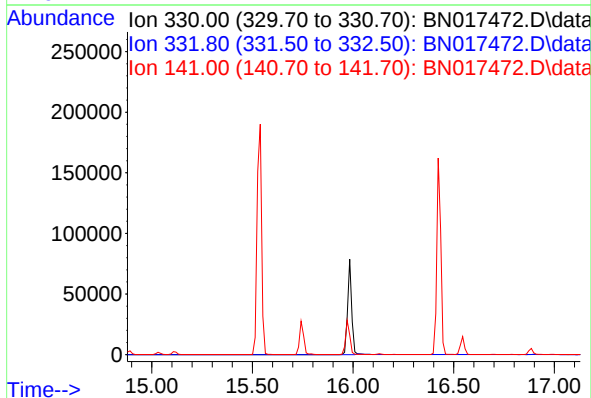
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 Ion Ratio Lower Upper
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 162 99.0 81.4 122.2
 160 43.2 36.8 55.2

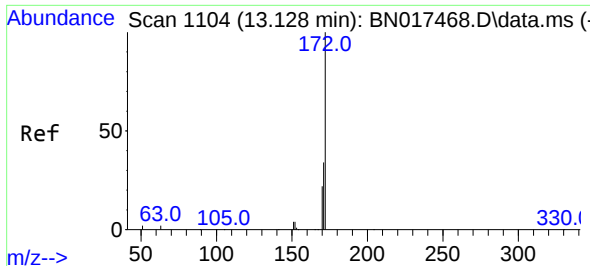


#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 15.98 min

Lab File: BN017472.D
 Acq: 16 Nov 2021 12:30

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 0.0
 141 36.1

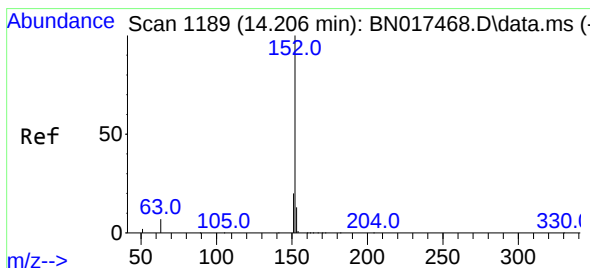
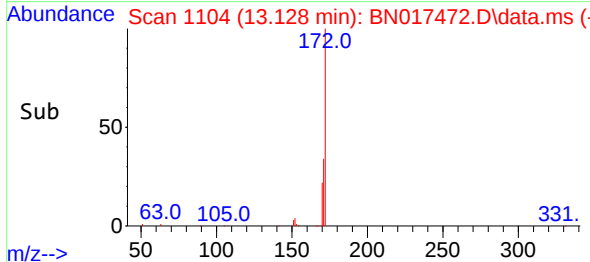
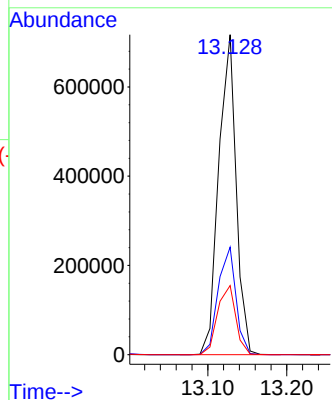
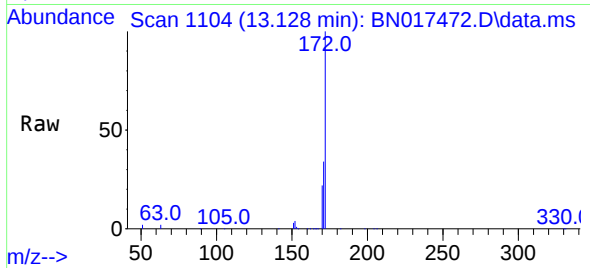




#15
2-Fluorobiphenyl
Concen: 4.705 ng
RT: 13.128 min Scan# 1104
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

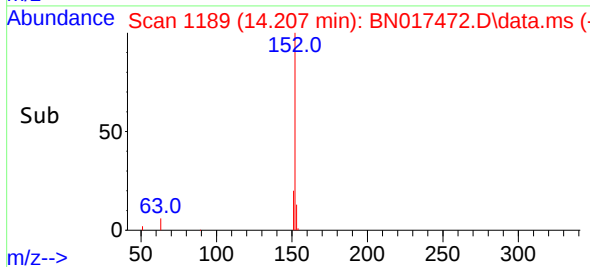
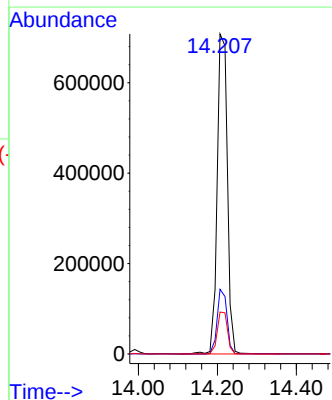
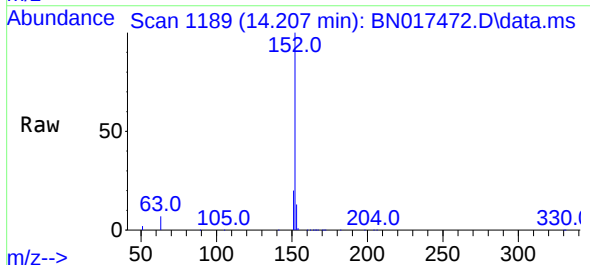
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

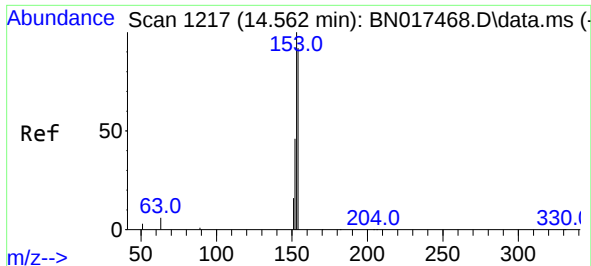
Tgt Ion:172 Resp: 1098699
Ion Ratio Lower Upper
172 100
171 33.6 28.7 43.1
170 21.6 19.4 29.2



#16
Acenaphthylene
Concen: 5.071 ng
RT: 14.207 min Scan# 1189
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:152 Resp: 1268976
Ion Ratio Lower Upper
152 100
151 19.4 15.5 23.3
153 13.2 10.4 15.6

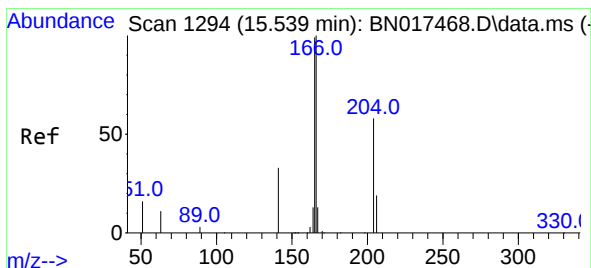
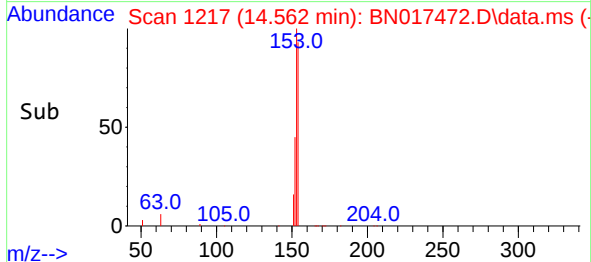
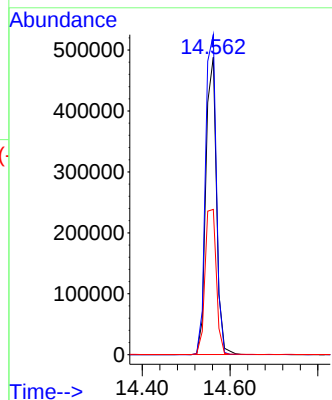
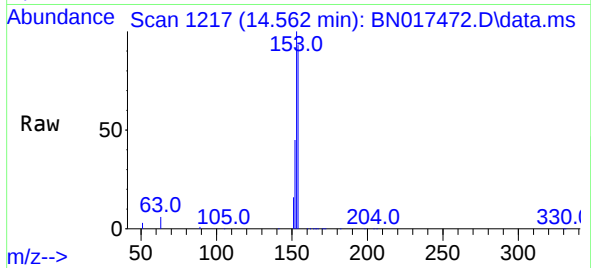




#17
Acenaphthene
Concen: 4.759 ng
RT: 14.562 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

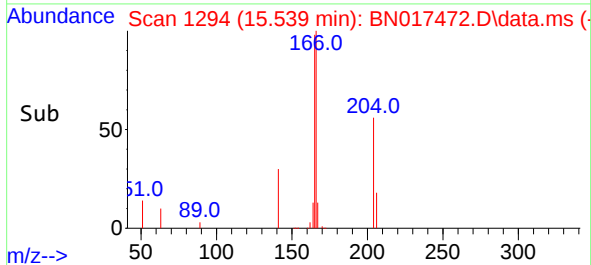
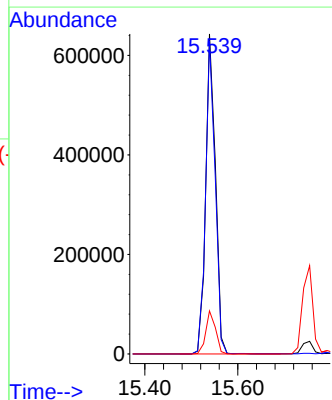
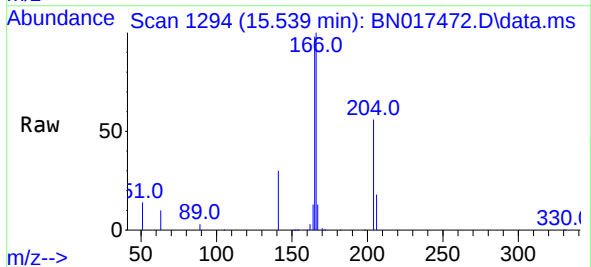
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

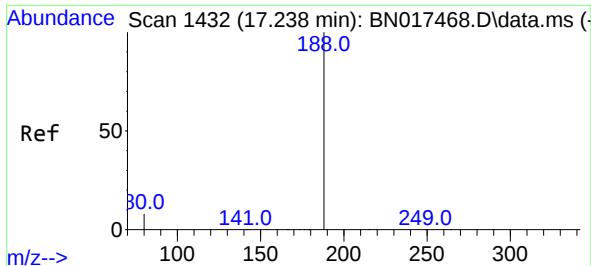
Tgt Ion:154 Resp: 820119
Ion Ratio Lower Upper
154 100
153 110.0 91.2 136.8
152 52.0 44.3 66.5



#18
Fluorene
Concen: 4.550 ng
RT: 15.539 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:166 Resp: 936475
Ion Ratio Lower Upper
166 100
165 96.9 77.9 116.9
167 13.5 10.9 16.3

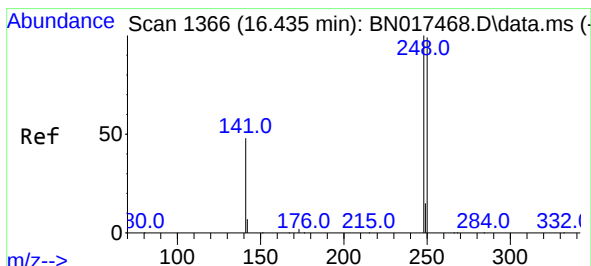
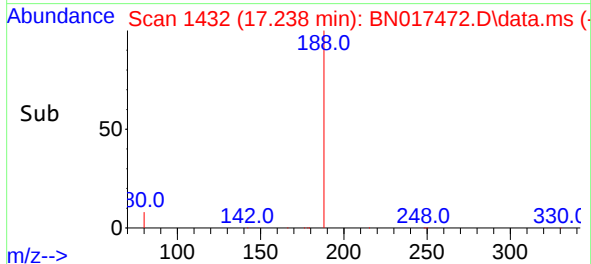
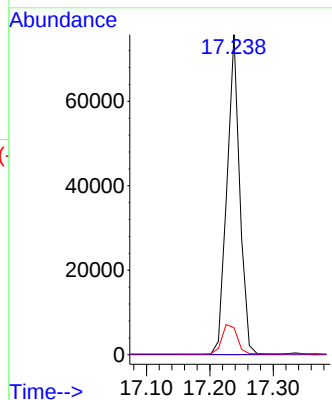
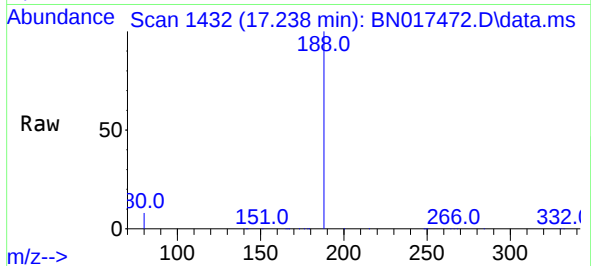




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.238 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

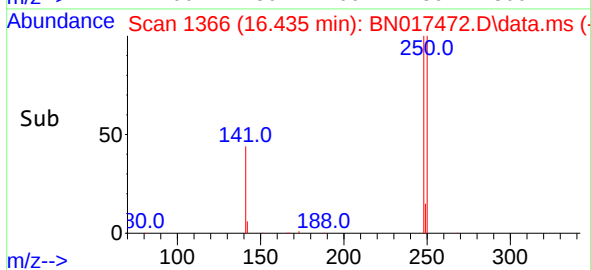
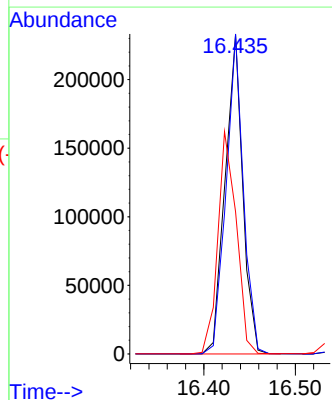
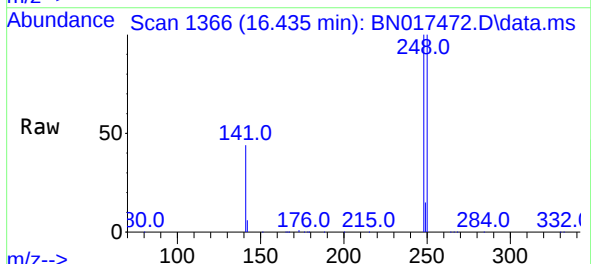
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

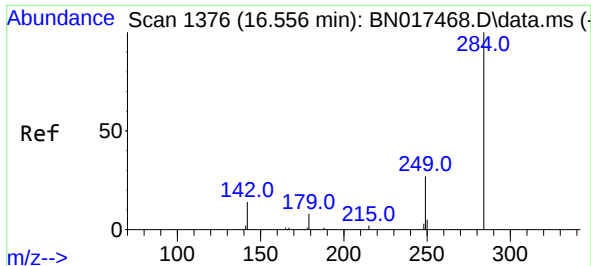
Tgt Ion:188 Resp: 106083
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 6.1 9.1



#21
4-Bromophenyl-phenylether
Concen: 5.240 ng
RT: 16.435 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:248 Resp: 311370
Ion Ratio Lower Upper
248 100
250 100.2 71.8 107.8
141 44.6 70.9 106.3

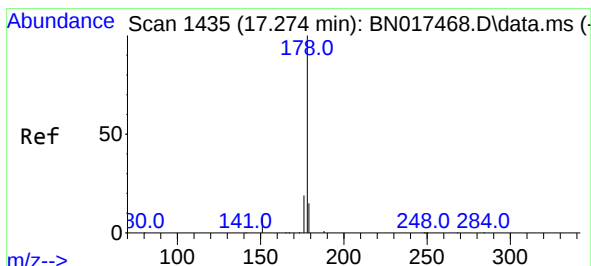
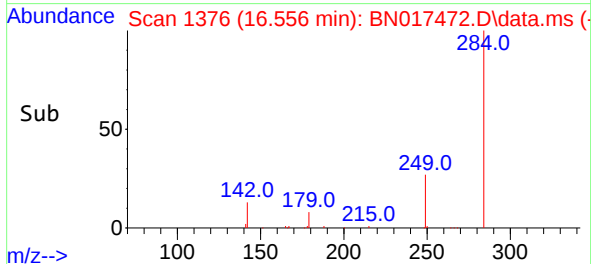
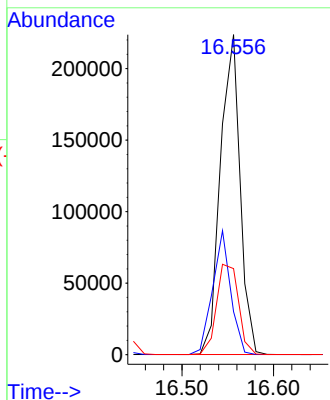
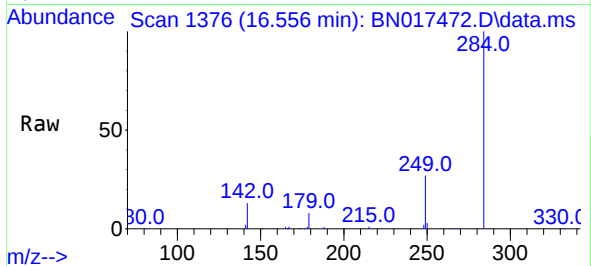




#22
Hexachlorobenzene
Concen: 5.021 ng
RT: 16.556 min Scan# 1376
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

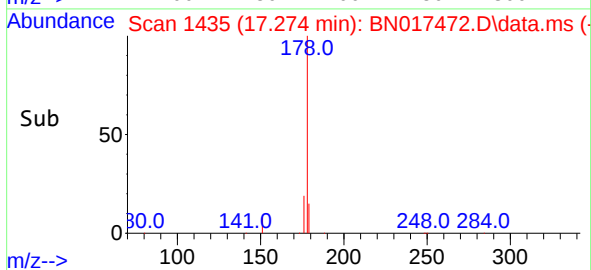
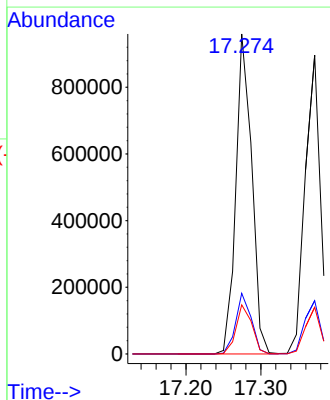
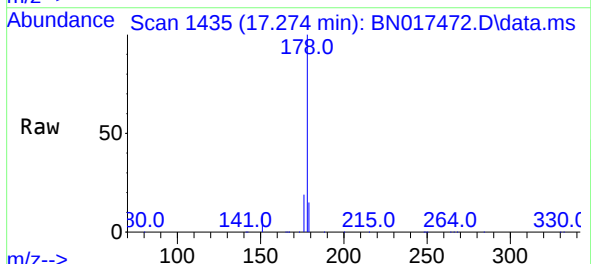
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

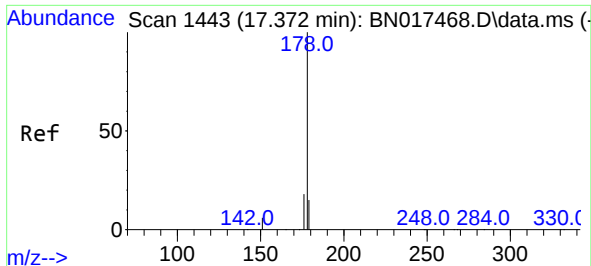
Tgt Ion:284 Resp: 334441
Ion Ratio Lower Upper
284 100
142 35.5 28.2 42.2
249 31.5 24.4 36.6



#25
Phenanthrene
Concen: 4.647 ng
RT: 17.274 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:178 Resp: 1412496
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.4 12.3 18.5



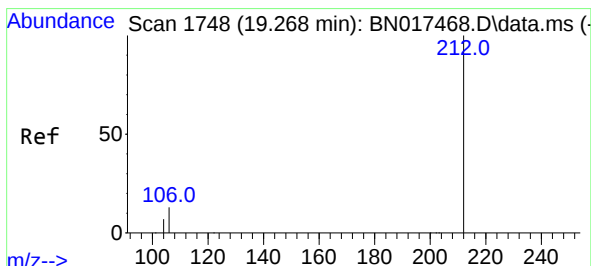
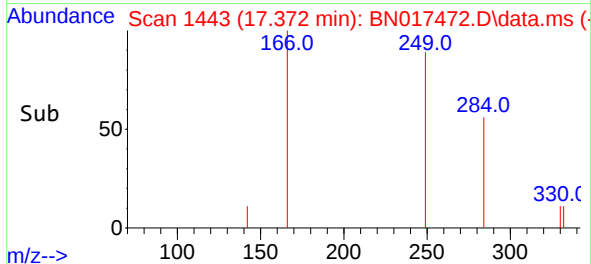
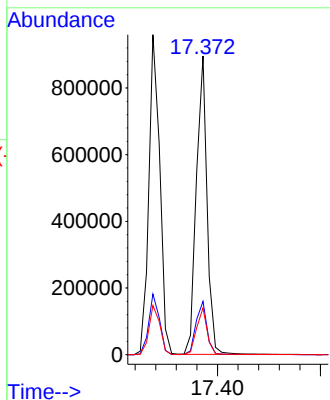
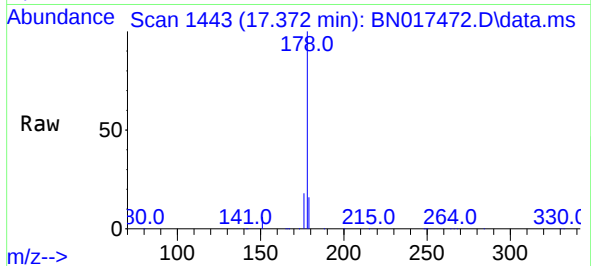


#26
 Anthracene
 Concen: 5.119 ng
 RT: 17.372 min Scan# 1443
 Delta R.T. 0.000 min
 Lab File: BN017472.D
 Acq: 16 Nov 2021 12:30

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Tgt Ion:178 Resp: 1296216

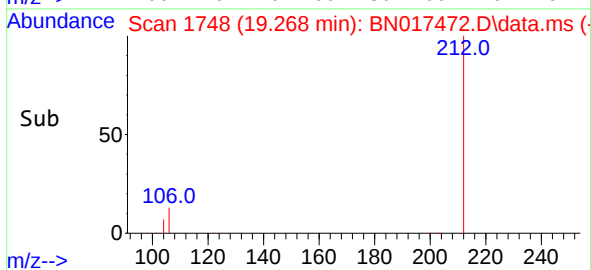
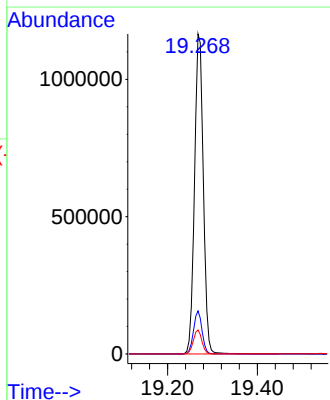
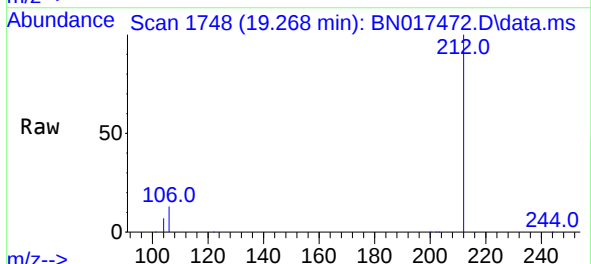
Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.4	12.2	18.4

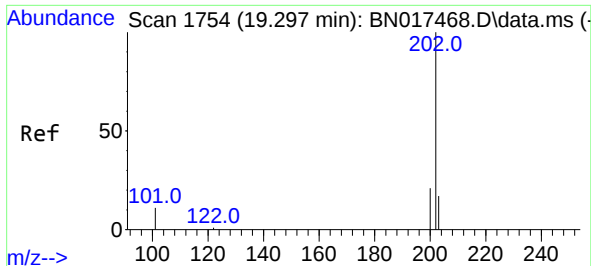


#27
 Fluoranthene-d10
 Concen: 5.886 ng
 RT: 19.268 min Scan# 1748
 Delta R.T. 0.000 min
 Lab File: BN017472.D
 Acq: 16 Nov 2021 12:30

Tgt Ion:212 Resp: 1592100

Ion	Ratio	Lower	Upper
212	100		
106	13.0	10.5	15.7
104	7.3	5.8	8.6

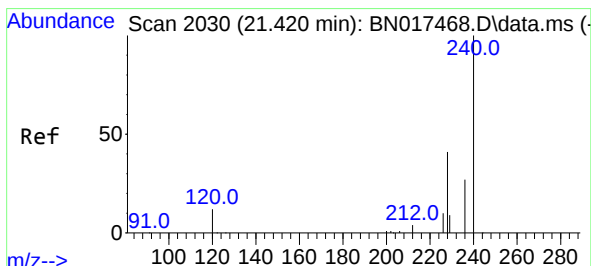
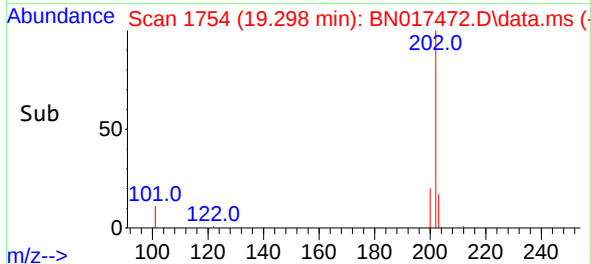
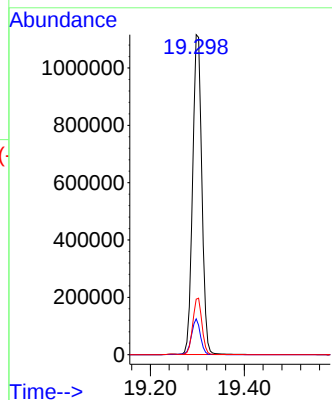
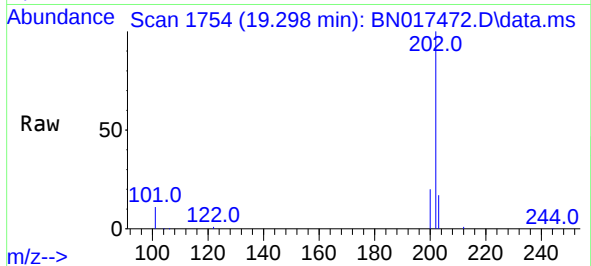




#28
Fluoranthene
Concen: 4.641 ng
RT: 19.298 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

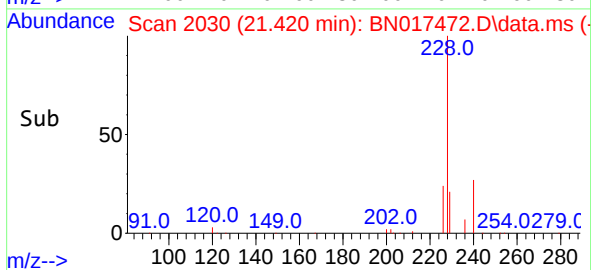
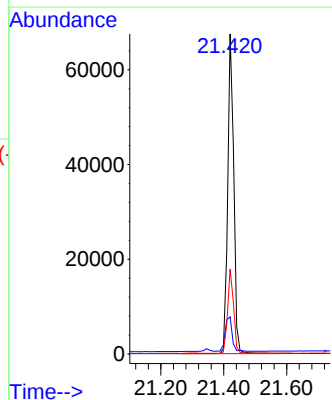
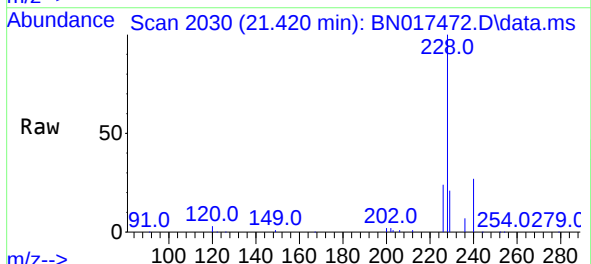
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

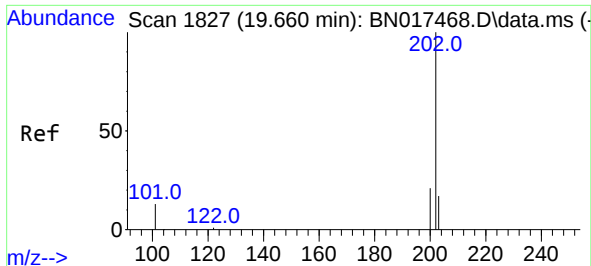
Tgt Ion:202 Resp: 1522007
Ion Ratio Lower Upper
202 100
101 10.9 8.9 13.3
203 17.6 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:240 Resp: 90844
Ion Ratio Lower Upper
240 100
120 11.6 4.2 6.2#
236 26.5 20.0 30.0

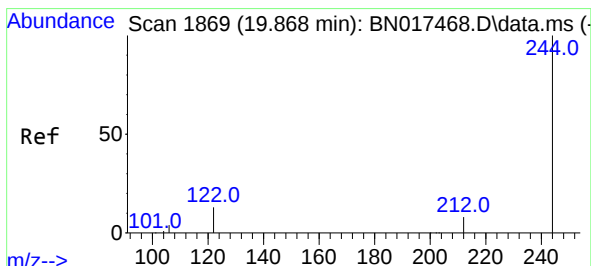
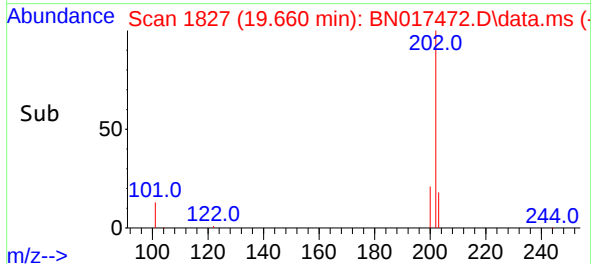
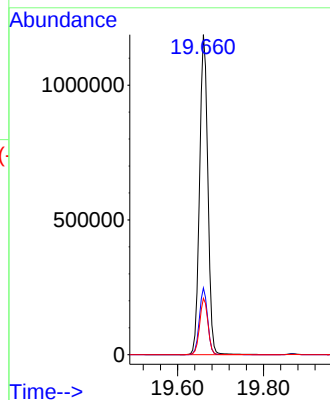
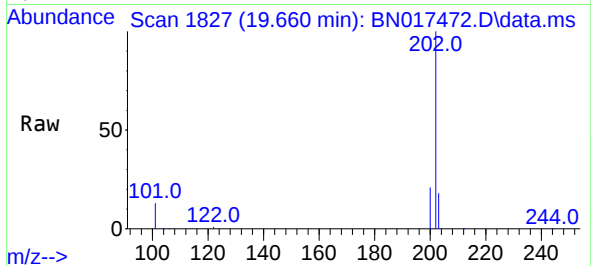




#30
Pyrene
Concen: 5.387 ng
RT: 19.660 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

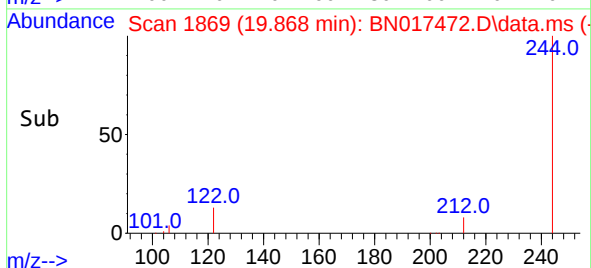
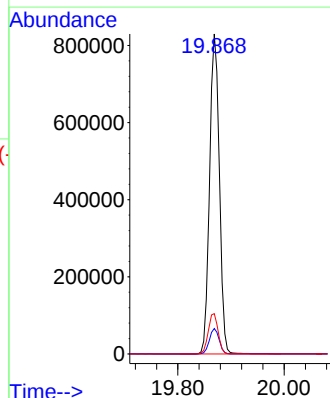
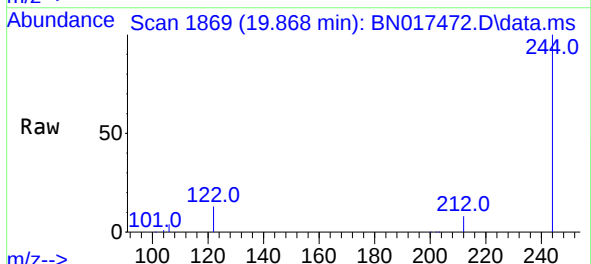
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

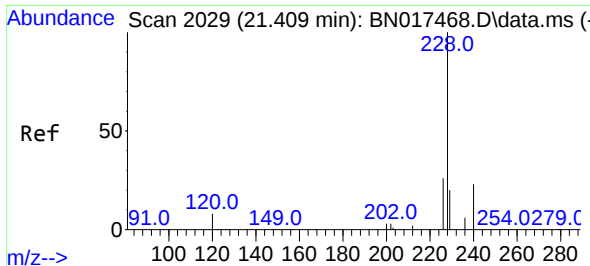
Tgt Ion:202 Resp: 1581099
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.7 14.0 21.0



#31
Terphenyl-d14
Concen: 5.222 ng
RT: 19.868 min Scan# 1869
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:244 Resp: 1056847
Ion Ratio Lower Upper
244 100
212 8.0 5.7 8.5
122 12.6 8.6 13.0

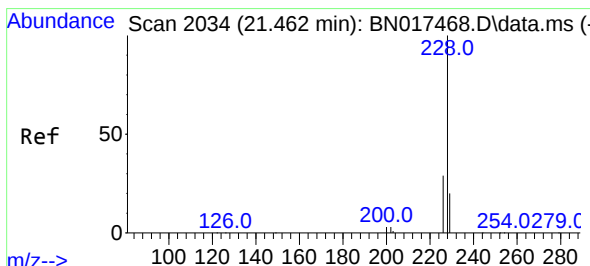
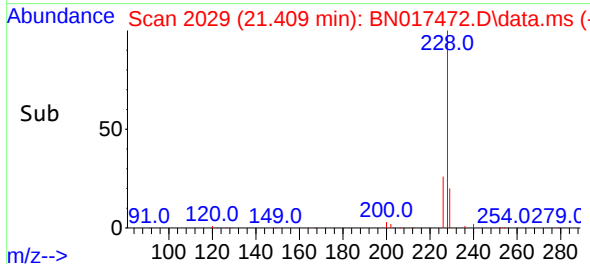
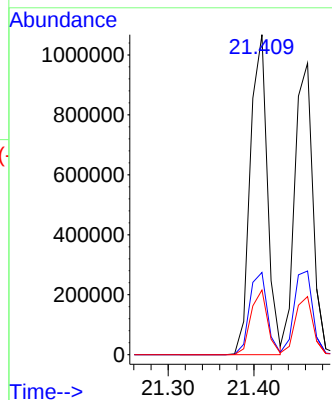
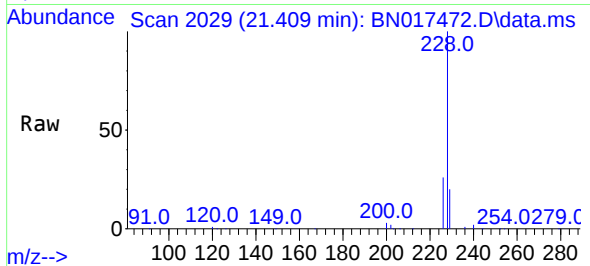




#32
Benzo(a)anthracene
Concen: 5.344 ng
RT: 21.409 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

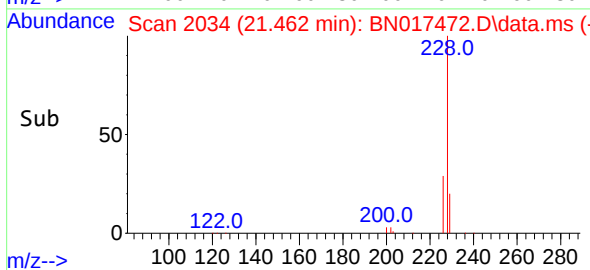
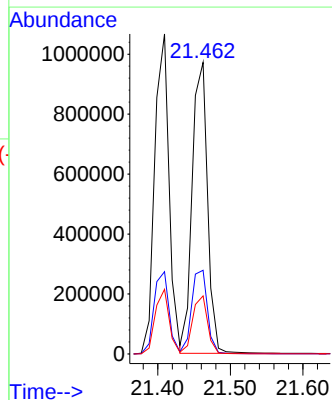
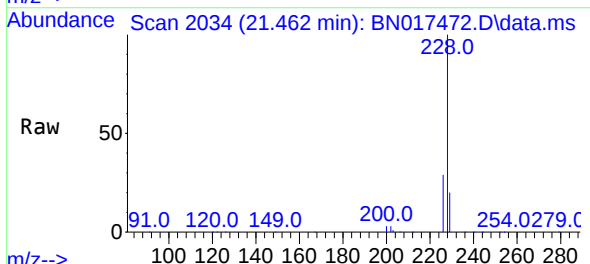
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

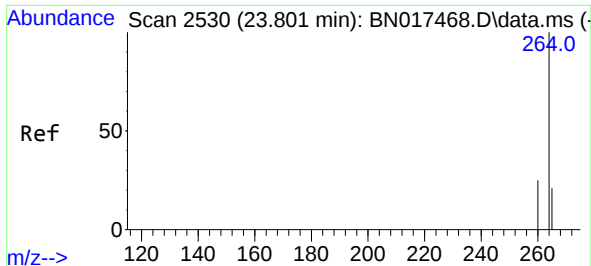
Tgt Ion:228 Resp: 1472957
Ion Ratio Lower Upper
228 100
226 25.7 21.3 31.9
229 20.2 15.7 23.5



#33
Chrysene
Concen: 4.843 ng
RT: 21.462 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:228 Resp: 1420545
Ion Ratio Lower Upper
228 100
226 28.7 23.3 34.9
229 20.0 15.6 23.4

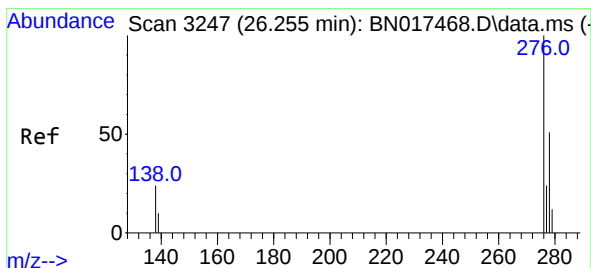
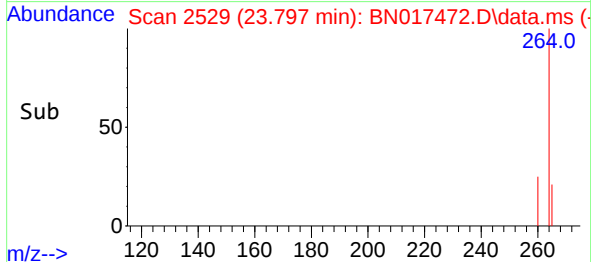
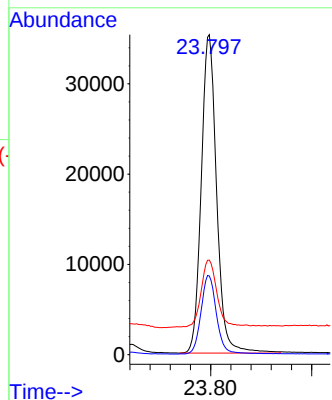
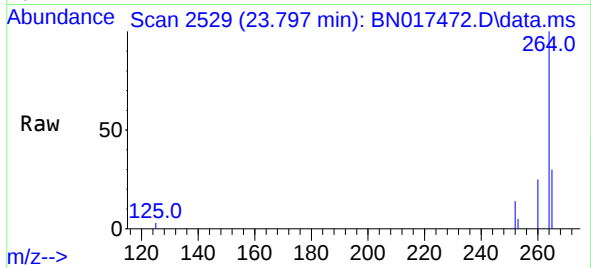




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.797 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BN017472.D
 Acq: 16 Nov 2021 12:30

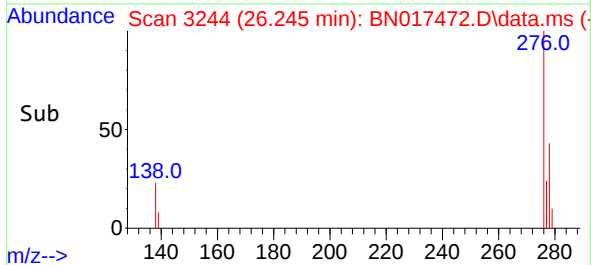
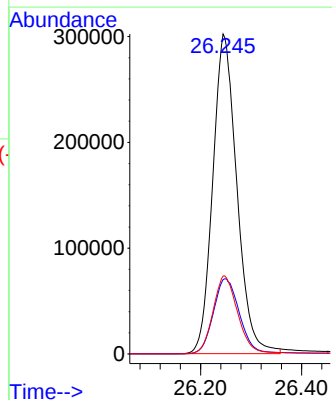
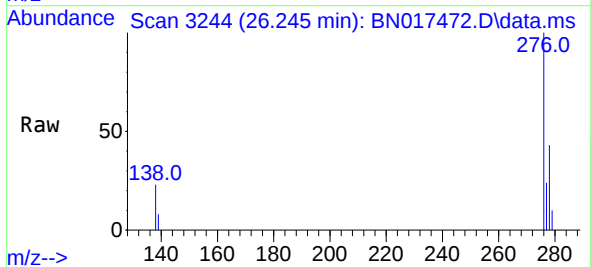
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

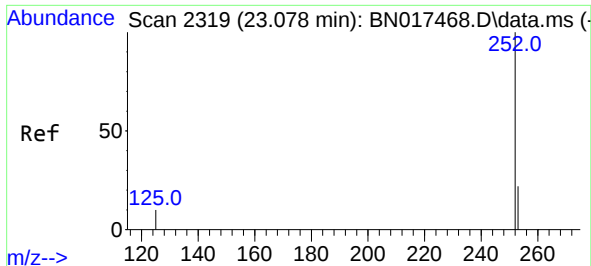
Tgt Ion:264 Resp: 74364
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.4 29.2
 265 29.6 18.6 28.0#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 3.842 ng
 RT: 26.245 min Scan# 3244
 Delta R.T. -0.010 min
 Lab File: BN017472.D
 Acq: 16 Nov 2021 12:30

Tgt Ion:276 Resp: 1000204
 Ion Ratio Lower Upper
 276 100
 138 25.4 19.7 29.5
 277 24.9 20.0 30.0

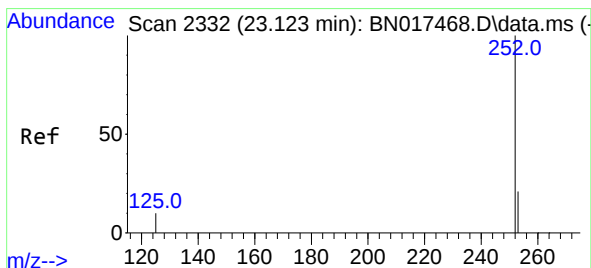
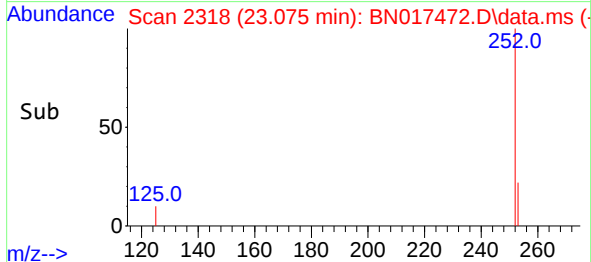
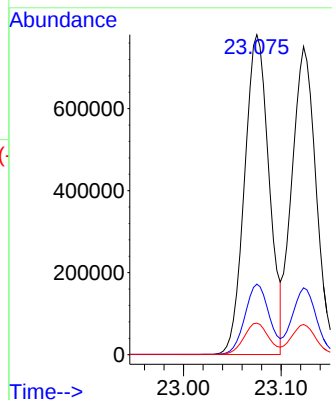
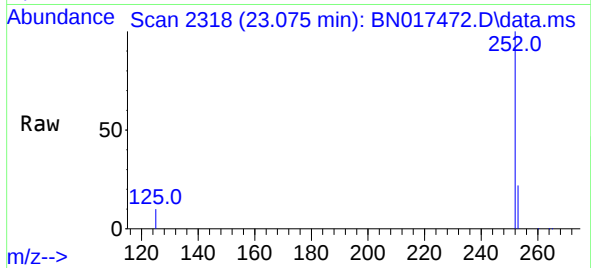




#37
Benzo(b)fluoranthene
Concen: 5.605 ng
RT: 23.075 min Scan# 2319
Delta R.T. -0.003 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

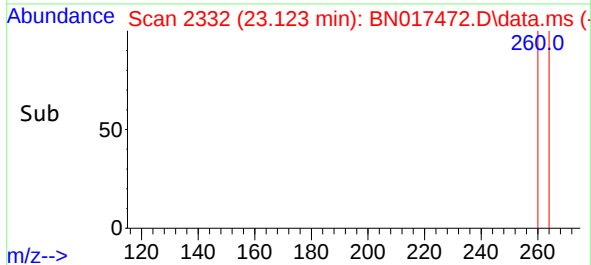
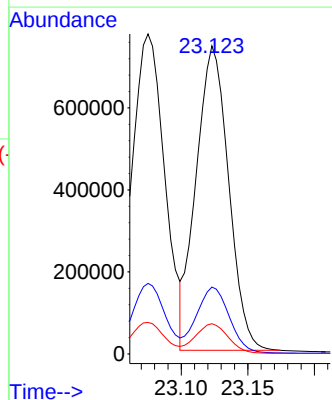
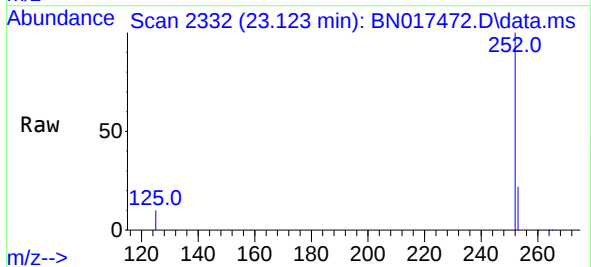
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

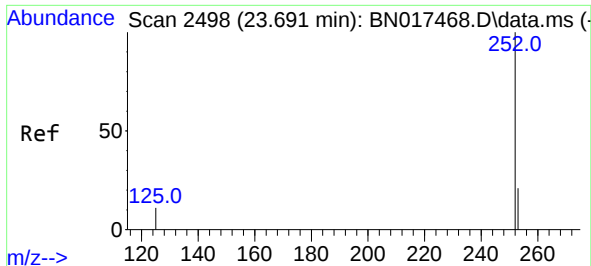
Tgt Ion:252 Resp: 1362581
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 9.9 7.8 11.8



#38
Benzo(k)fluoranthene
Concen: 5.180 ng
RT: 23.123 min Scan# 2332
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:252 Resp: 1259589
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 9.8 8.2 12.2

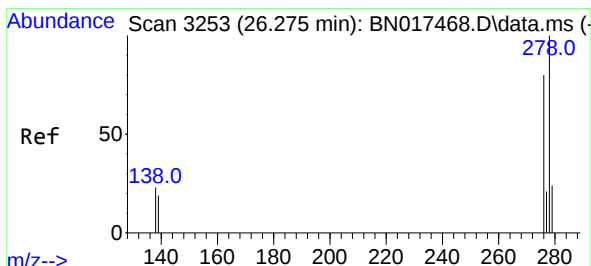
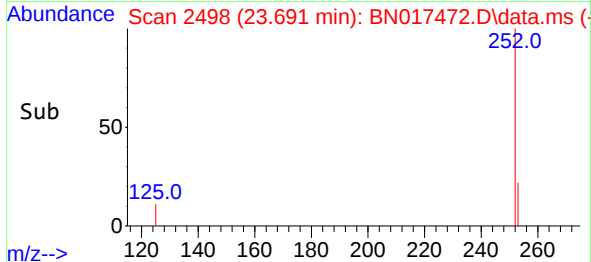
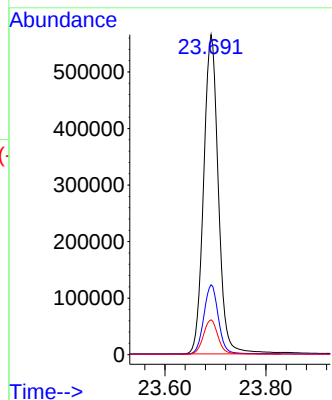
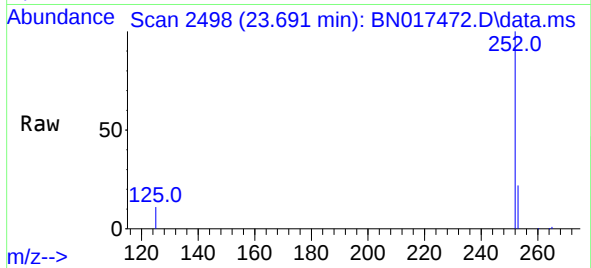




#39
Benzo(a)pyrene
Concen: 5.316 ng
RT: 23.691 min Scan# 2498
Delta R.T. 0.000 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

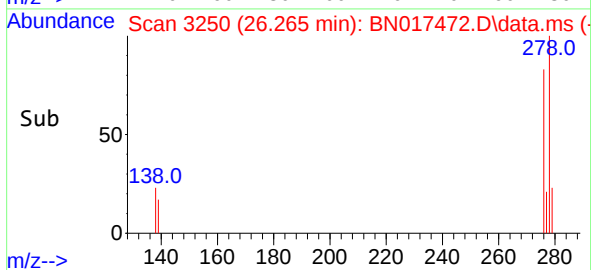
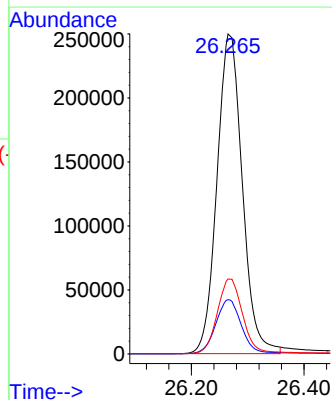
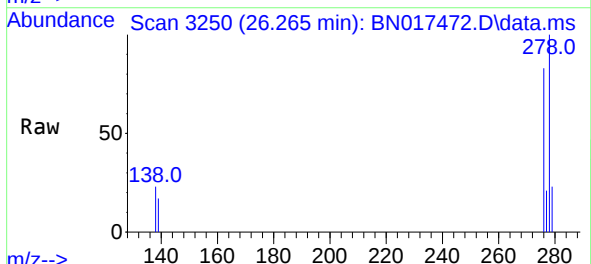
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

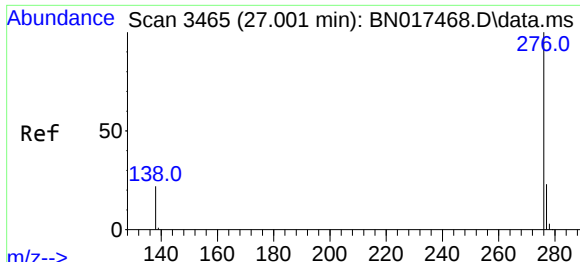
Tgt Ion:252 Resp: 1143897
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 10.9 9.2 13.8



#40
Dibenzo(a,h)anthracene
Concen: 3.721 ng
RT: 26.265 min Scan# 3250
Delta R.T. -0.010 min
Lab File: BN017472.D
Acq: 16 Nov 2021 12:30

Tgt Ion:278 Resp: 779322
Ion Ratio Lower Upper
278 100
139 16.9 13.0 19.6
279 23.4 19.2 28.8





#41
 Benzo(g,h,i)perylene
 Concen: 3.956 ng
 RT: 26.998 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: BN017472.D
 Acq: 16 Nov 2021 12:30

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Tgt Ion:276 Resp: 893469
 Ion Ratio Lower Upper
 276 100
 277 23.8 19.0 28.4
 138 22.1 17.1 25.7

